

## **Measurement Campaign Silent Cities Hotspots – 07/2020**

## IMPRESSUM

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LE GOUVERNEMENT  
DU GRAND-DUCHÉ DE LUXEMBOURG  
Ministère de l'Environnement, du Climat  
et du Développement durable

Administration de l'environnement



## 1. Objet

La campagne de mesure fut suggérée et initiée par Madame Gabriela Ventrice et Schroeder&Associés dans le cadre du Projet « Silent Cities », un programme de monitoring environnemental participatif à large échelle, ayant pour but de documenter une modification exceptionnelle du paysage sonore urbain due au ralentissement économique causé par les restrictions dues à la pandémie COVID19.

L'Administration de l'Environnement a mandaté Schroeder&Associés, en tant que bureau spécialisé et agréé, pour la réalisation des mesures de niveaux sonores en 10 points d'immission préalablement choisis.

Ont finalement été choisis 13 points d'immission, dénommés dorénavant « IP (Immission Point) », localisés sur le territoire de la Ville de Luxembourg (Millebaach, Cessange, Gasperich, blvd. Royal, Glacis), de la Commune de Esch-sur-Alzette (Gare), de la Commune de Dudelange (rte de Luxembourg), de la Commune de Sanem (Belvaux), de la Commune de Mondercange (Pontpierre), de la Commune de Diekirch (Sauerwiss), de la Commune de Mersch (Lankheck), de la Commune d'Ettelbrück (rue Pierre Wiser) et de la Commune de Walferdange (Heisdorf).

Les mesures du confinement ont conduit à une forte diminution de la présence humaine dans l'espace public. Les moyens de transports (privés et publics), ainsi que les activités professionnelles et de loisir, ont été réduits de manière considérable. Les sons produits par ces activités ont baissé en intensité. La mission avait pour but de mesurer les niveaux de pression acoustique afin de collecter un nombre suffisant et représentatif de données permettant, par traitement statistique, de produire des indicateurs de bruit représentatifs de l'environnement sonore au point d'immission dans le contexte du déconfinement progressif après le lock-down décrété à partir du 15 mars.

Pour 8 des 13 points d'immissions existent des données de niveaux sonores recueillies lors d'une campagne de mesure datant de 2019. Ceci permet donc de comparer les valeurs établies en 2019 avec les valeurs actuelles, respectivement d'observer l'évolution du paysage sonore durant la phase du déconfinement progressif vis-à-vis de ces valeurs de référence.

## 2. Le projet « Silent Cities »

La pandémie mondiale de COVID-19 à laquelle le monde entier est actuellement confronté a obligé la plupart des pays du monde à mettre en place des mesures de distanciation sociale et/ou de confinement drastique de la population.

Un effet notable de ces mesures est la réduction de nombreuses activités économiques urbaines. Ce déclin des activités est directement lié à la réduction de plusieurs flux physiques inter et intra-urbains, au premier rang desquels figurent les déplacements individuels - tous modes confondus - et le transport motorisé de personnes et de marchandises.

Ces déplacements et transports sont deux sources majeures de bruit anthropique dans tous les espaces, tant urbains que ruraux.

En partant de la situation anormale générée par la pandémie COVID-19 dans des territoires placés dans un confinement plus ou moins strict, le projet a proposé à la communauté internationale « Ecoacoustics » de participer à une collection d'environnements sonores urbains pour documenter ces paysages sonores rares. Sur la base d'un suivi écoacoustique mondial standardisé sur plusieurs semaines, voire mois, trois objectifs scientifiques sont possibles :

- étudier dans des "espaces ordinaires" la diversité écoacoustique habituellement masquée par le bruit anthropique ;
- étudier la relation entre la biophonie et l'anthropophonie dans les différents niveaux d'activité économique, car l'activité économique du territoire sera lentement rétablie ;
- de caractériser finement la relation entre le bruit anthropique et le niveau d'activité économique stable d'un territoire.

## 3. L'approche de la présente campagne

Étant lié aux protocoles de mesure de d'acquisition des données environnementales imposées par le projet collaboratif « Silent Cities », S&A ont développé des routines de traitement de données afin d'extraire des fichiers audios enregistrés aux différents points d'immission, les valeurs du niveau sonore équivalent. De cette façon, les données recueillies lors de la campagne présente peuvent être mis en corrélation avec les données déjà existantes issues de la campagne de mesure 2019.

Au total, quelque 112.000 fichiers audio ont été analysés et traités pour la présente, représentant quelque 700 GO de datas.

Lorsque les niveaux sonores pertinents d'un point d'immission ont été établis lors de la campagne de mesure 2019, les informations suivantes peuvent être extraites :

- rapport entre biophonie/géophonie et anthropophonie au point d'immission, prenant comme niveau biophonie le niveau sonore inférieur à celui en début de la phase de déconfinement 1
- relation entre bruit anthropique et niveau d'activité économique stable
- évolution des niveaux sonores pertinents tout au long des différentes phases de déconfinement 1, 2 et 3.

À défaut de valeurs de référence issues de la campagne de mesures 2019, seule l'évolution des niveaux sonores pertinents durant les phases de déconfinement peuvent être constatées.

## 4. Méthodologie d'acquisition et de traitement des données

Afin d'adhérer pleinement aux prémisses et stipulations du projet « Silent Cities », les mesures sonométriques furent réalisées au moyen d'un « audiologger » du type AUDIOMOTH. Cet appareil simpliste permet d'enregistrer en toute autonomie des événements sonores.



**L'appareil ne répond pas aux demandes normatives d'un sonomètre/analyseur acoustique, les mesures faites ne pourront donc être invoquées comme répondant aux normes afférentes régissant le mesurage et l'évaluation de bruits environnementaux.**

L'Audiomoth ne peut pas être calibré avec exactitude. Durant les mesures, les appareils furent placés dans un boîtier dédié permettant de les protéger contre les aléas de la météo. Ce boîtier pourra lui-aussi ajouter une incertitude de mesure.

Post-mesures, une calibration sommaire a été faite en comparant les niveaux sonores enregistrées par l'Audiomoth dans un champ sonore défini aux valeurs mesurées par un sonomètre calibré de classe 1. La différence entre les deux valeurs fut prise comme valeur de correction à appliquer aux résultats de mesure de la campagne.

**Il est à noter qu'une incertitude de mesure demeure et que toutes les informations de niveaux sonores absolus doivent être considérées avec une marge d'erreur de  $\pm 3$  dB.**

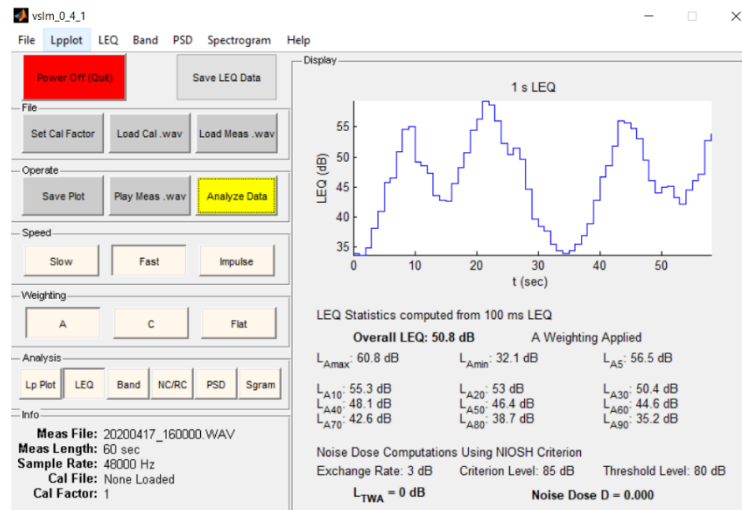
Cependant, les valeurs relatives des niveaux sonores établies pendant le mesurage peuvent être acceptées et prises en considération, l'évolution des dernières étant l'information primaire et remarquable de la présente campagne de mesure.

**L'échantillonnage :** Suivant les consignes du projet « Silent Cities », un échantillonnage temporel a été choisi de la manière suivante : pause 540 secondes – enregistrement 60 secondes, représentant un rapport 9/1, respectivement une couverture de 10%.

Six minutes d'enregistrement total représentant une heure entière font que ce bref laps de temps perde en représentativité et que les données deviennent plus aléatoires, surtout dans des situations où les émergences des événements sonores revêtent un caractère stochastique : la prise en compte durant 6 minutes d'un flux continu de voitures durant une heure (0317 Lday) donnera une valeur représentative du niveau sonore, tandis que les mêmes 6 minutes enregistrées pour des passages de voitures aléatoires et singuliers (0318 Lnight) risquent de ne pas représenter correctement le niveau sonore équivalent pour l'heure entière. **Cette imprécision est due au protocole de mesurage et ne saura être compensée.**

Cependant, le lissage par interpolation linéaire des valeurs  $L_{day}$ ,  $L_{evening}$ ,  $L_{night}$  et  $L_{den}$  mesurées aux différents points d'immission, et ce sur toute la campagne de mesure, permettra de dégager des courbes de tendance établies, représentatives, fiables et significatives dans la limite de l'incertitude absolue de calibration.

L'analyse des fichiers audio et le calcul du niveau équivalent  $L_{eq,1'}$  fut réalisée à l'aide de l'application VSLM et d'une routine MATLAB. Les indicateurs  $L_{day}$ ,  $L_{evening}$ ,  $L_{night}$  et  $L_{den}$  furent ensuite établis à l'aide d'un tableau EXCEL générant aussi les visuels respectifs.



Tous les indicateurs repris dans le présent rapport sont des niveaux sonores ou niveaux équivalents exprimés avec la pondération fréquentielle A.

L'indicateur  $L_{den}$  (day - evening - night, soit jour - soir - nuit) correspond au niveau de bruit pondéré sur une période de 24h, évalué à partir des niveaux de bruit équivalents  $L_d$  (day, 7h-19h),  $L_e$  (evening, 19h-23h) et  $L_n$  (night, 23h-7h) calculés indépendamment. Les niveaux de soirée ( $L_{evening}$ ) et de nuit ( $L_n$ ) sont **pénalisés respectivement de 5 et 10 dB(A)**, pour traduire le ressenti plus gênants durant ces périodes par les personnes exposées et défini dans la formule suivante:

$$L_{den} = 10 \log \left[ \frac{1}{24} \left( 12 \times 10^{\frac{L_d}{10}} + 4 \times 10^{\frac{L_e+5}{10}} + 8 \times 10^{\frac{L_n+10}{10}} \right) \right]$$

Aucune pénalisation n'est appliquée pour le calcul de l'indicateur  $L_n$  (night equivalent level) [dB(A)] considéré lors de l'évaluation des perturbations sur le sommeil.

## 5. Description des emplacements de mesure

L'Administration de l'Environnement a suggéré et choisi les points de mesure en concordance avec les points d'immission issus de la campagne de mesure 2019 et se situant dans des zones « hot spot », avec le but de caractériser plus en détail ces zones et de déterminer l'impact par les bruits de trafic routier ou autres dans ces zones.

Schroeder&Associés ont d'ailleurs pu réactiver les points d'immission de 2019 choisis pour la présente campagne, à l'exception de celui d'Ettelbrück qui a été déplacé dans une zone d'habitation. Les lieux peuvent être caractérisés comme suivant :

- endroit estimé comme représentatif pour l'environnement sonore
- endroit où il est possible de sécuriser les équipements techniques
- accueil favorable et bienveillant des propriétaires ou des autorités locales, permission d'installer les équipements pour une durée de 2 mois.

D'une manière générale, l'accueil qui nous était réservé lors de nos demandes de mesurage était positif, voir chaleureux et très constructif. S&A remercie vivement toutes les personnes permettant la mise en place des équipements.

Les conditions météorologiques (vents, tempêtes, fortes pluies, ...) durant la période avril – juin 2020 n'ont que sommairement influencé l'acquisition des données de niveaux sonores, puisque la situation météorologique générale fut stable et sans incidents majeurs. L'absence de bonnets ou protections pare-vent pourra néanmoins avoir influencé les mesures sonométriques.

Il a été convenu avec l'Administration de l'Environnement que les données météorologiques et les vitesses de vent enregistrées à l'aéroport du Findel (voir annexes) serviraient comme indicateur représentatif des vitesses et rafales de vent pour l'intégralité des points d'immission. Pour la présente campagne, aucune donnée n'a été exclue pour cause de conditions météorologiques défavorables.

Outre ces influences éventuelles dues aux conditions météorologiques, il y eut un autre facteur technique qui impactait les mesures : les équipements fonctionnant au moyen de piles électriques, certaines d'entre elles ne disposaient pas de la capacité de performance affichée, la mesure fut donc interrompue avant que l'échange programmé des piles n'ait eu lieu. L'absence de ces datas, quant à elle, n'a aucune incidence notable et directe sur les courbes de tendance respectives.

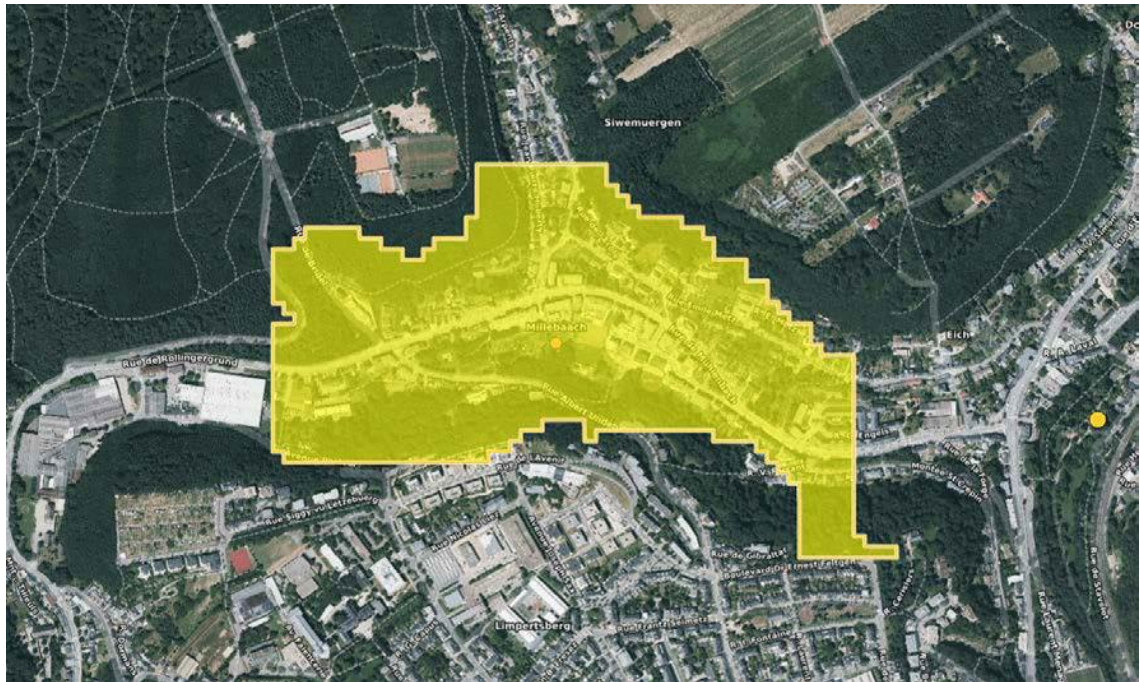


## 5.1 IP0311 Luxembourg, rue de Mühlenbach (Hotspot LUXE\_018)

Point d'immission : Trottoir rue de Mühlenbach, 131 L-2168 Luxembourg

Coordonnées LUREF : 76871 E | 76913 N élévation 247.3 m

- Trafic bus moyen
- Principale source de bruit : Rue de Mühlenbach (RN 55)

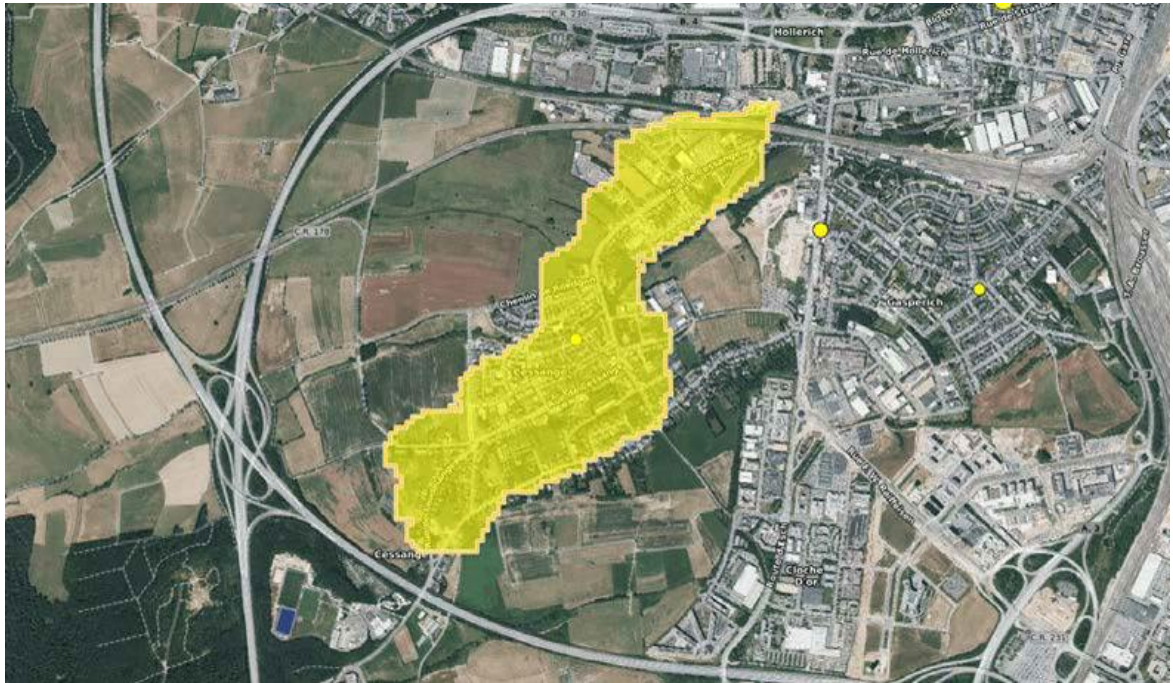




## 5.2 IP0312 Luxembourg, rue de Cessange (Hotspot Luxe\_040)

Point d'immission : 2<sup>ème</sup> étage maison privée rue de Cessange, 113 L-1321 Luxembourg  
Coordonnées LUREF : 75721 E | 73253 N élévation 271.2 m

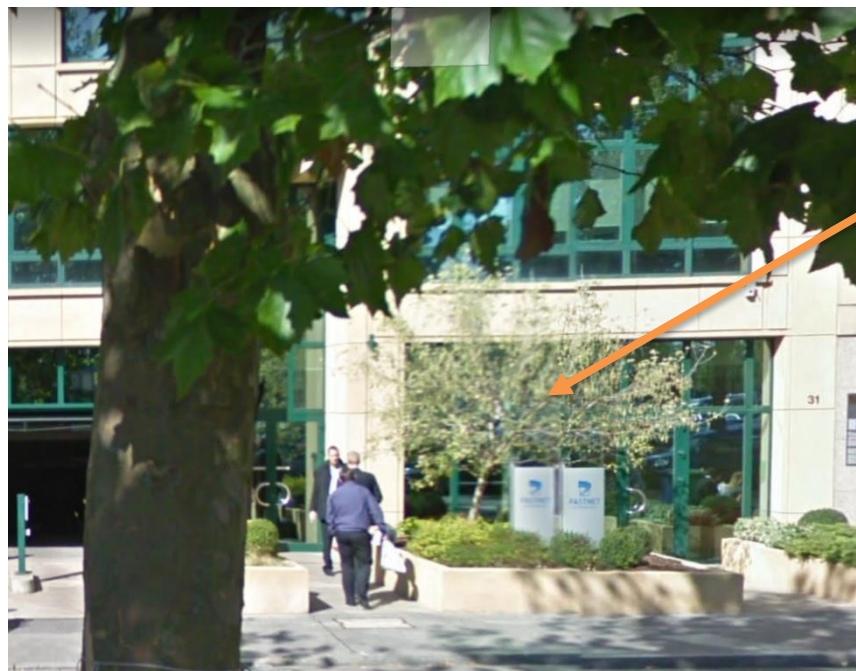
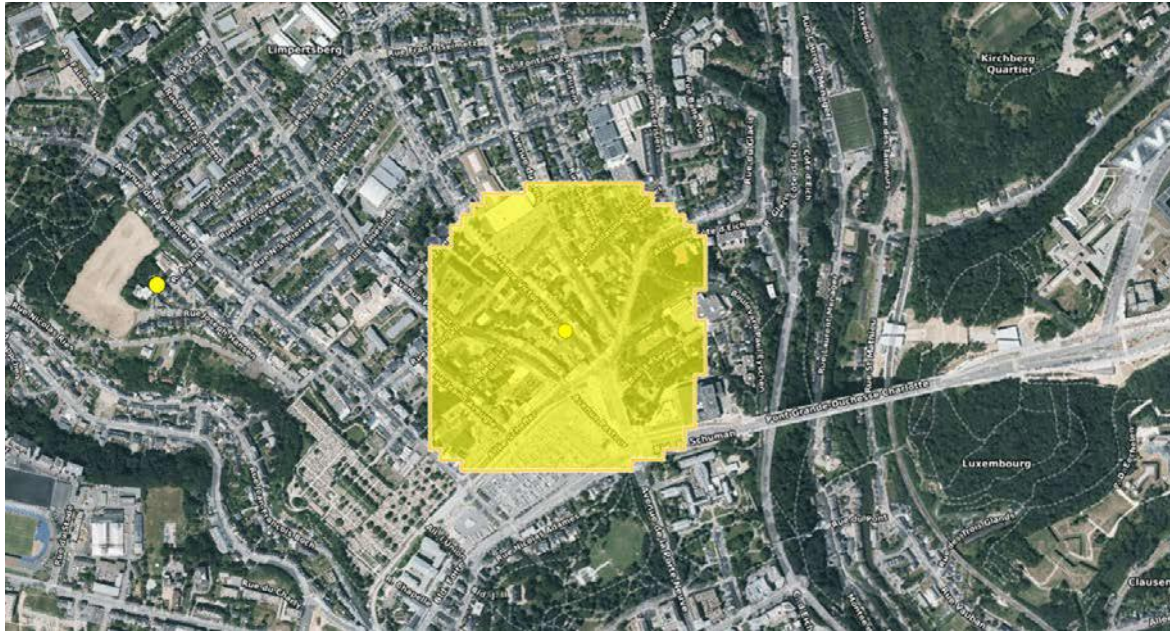
- Trafic bus moyen
- Principale source de bruit : RN 179





### 5.3 IP0313 Luxembourg, allée Scheffer (Hotspot Luxe\_004)

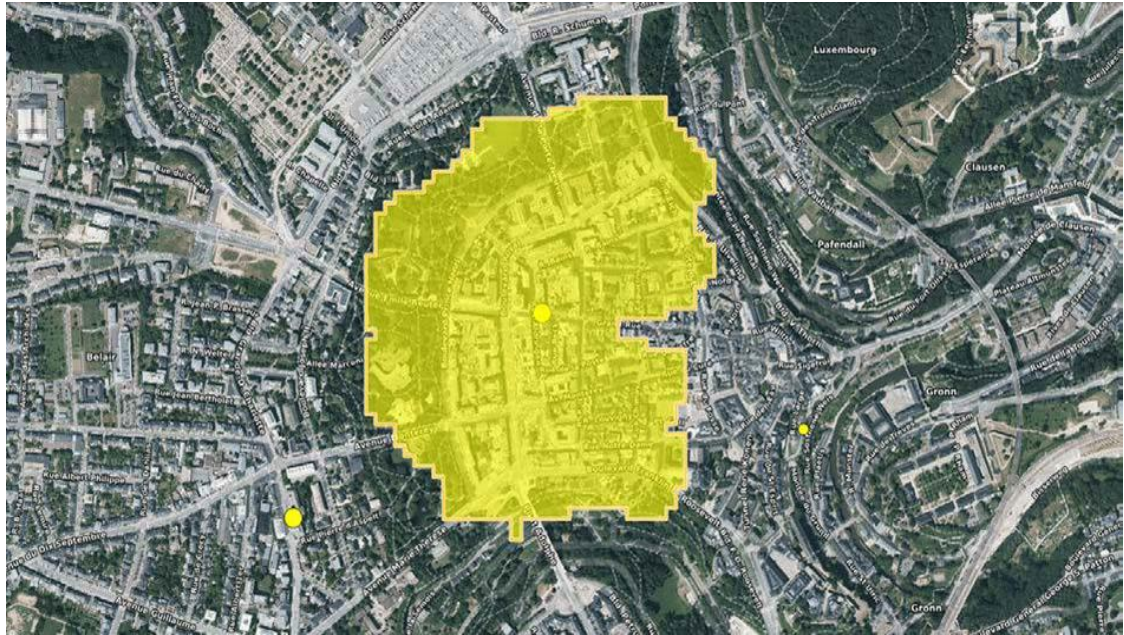
Point d'immission : sur branche d'arbre devant allée Scheffer, 31 L-2520 Luxembourg  
Coordonnées LUREF : 76770 E | 75892 N élévation 313 m  
- Sources de bruit principales : Parking Glacis, Boulevard Schumann, Allée Scheffer





## 5.4 IP0314 Luxembourg, blvd Royal (Hotspot Luxe\_002B)

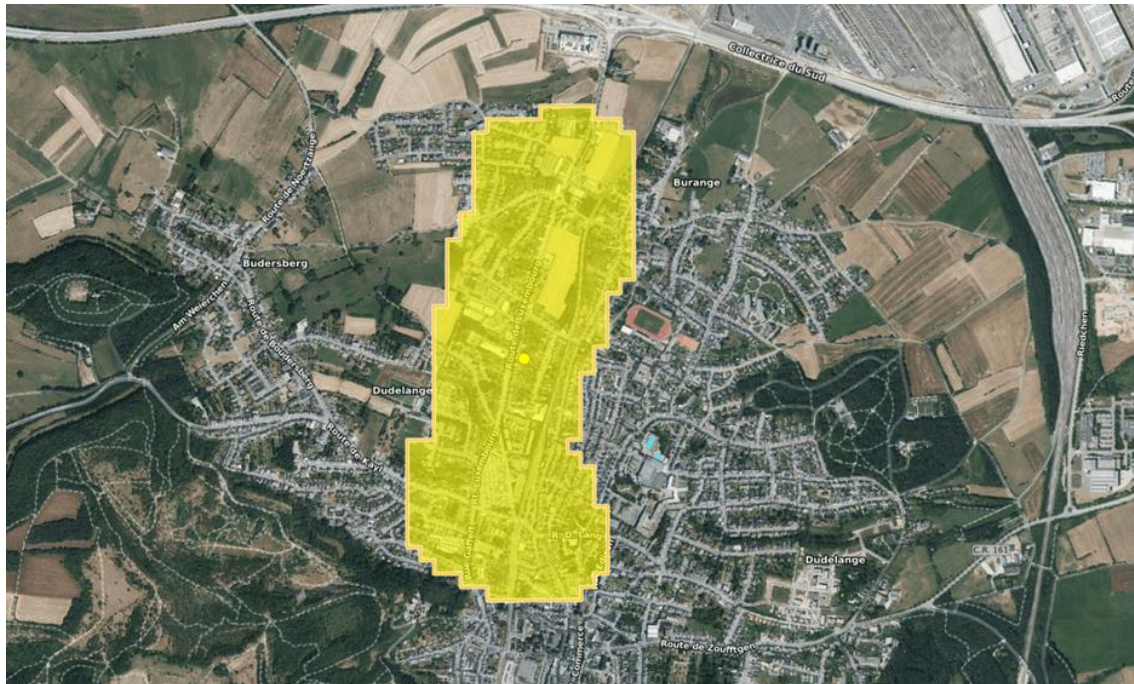
Point d'immission : sur branche d'arbre devant BdL, boulevard Royal, 14 L-2520 Luxembourg  
Coordonnées LUREF : 76913 E | 75418 N élévation 307.2 m  
- Sources de bruit principales : trafic routier dense





## 5.5 IP0317 Dudelange, route de Luxembourg (Hotspot Dude\_054)

Point d'immission : maison privée, route de Luxembourg, 74 L-3515 Dudelange  
Coordonnées LUREF : 73797 E | 61469 N élévation 290.4 m  
- Sources de bruit principales : trafic routier



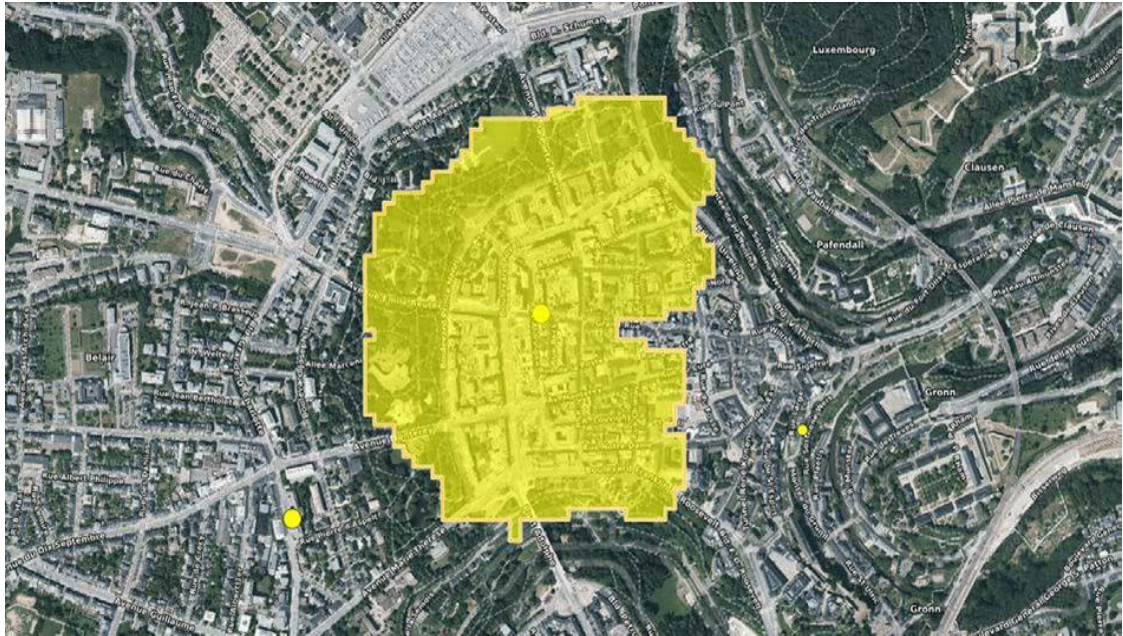


## 5.6 IP0318 Luxembourg, Gasperich (Hotspot Luxe\_026)

Point d'immission : balcon 1<sup>er</sup> étage, rue de Gasperich, 17 L-1617 Luxembourg

Coordonnées LUREF : 76834 E | 72957 N élévation 297.4 m

- Sources de bruit principales : trafic routier, bruits d'équipements techniques dans alentours



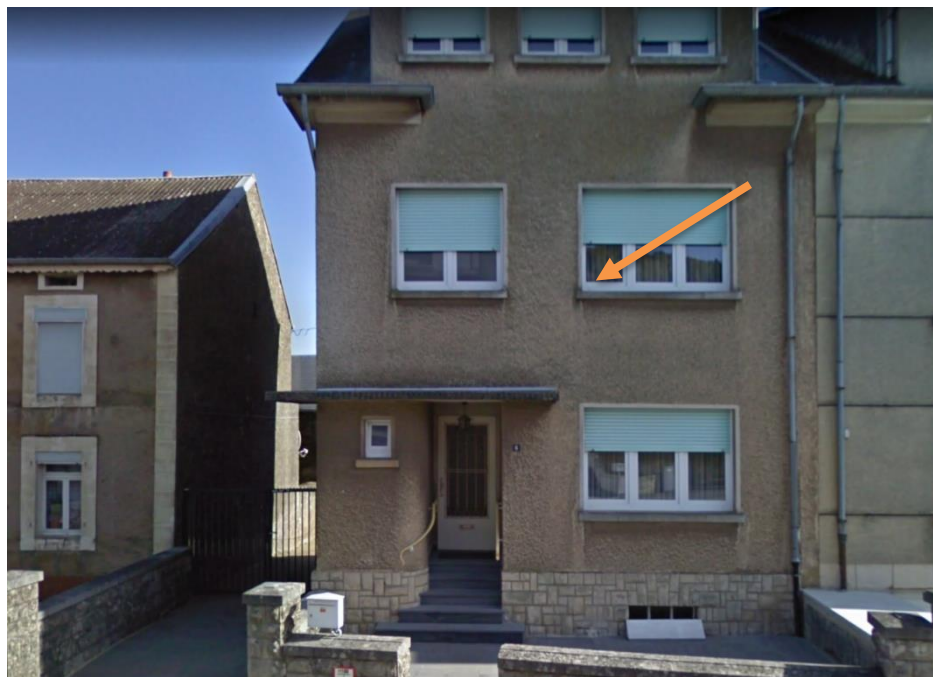
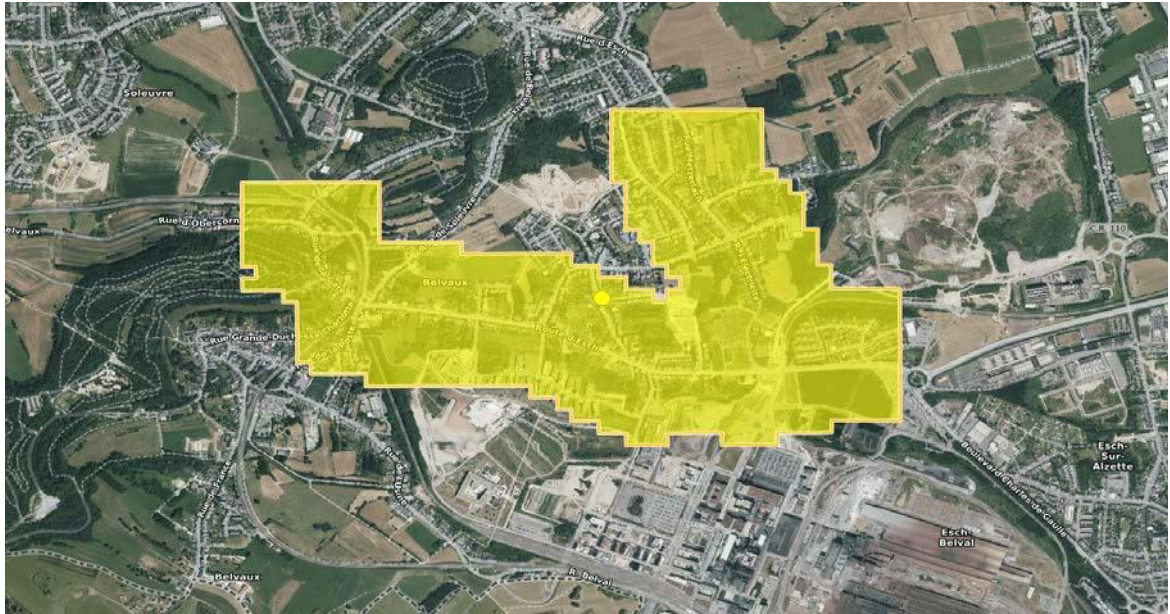


## 5.7 IP0319 Sanem, Belvaux (Hotspot Sane\_036)

Point d'immission : balcon 1<sup>er</sup> étage, rue de Soleuvre, 6 L-4487 Belvaux

Coordonnées LUREF : 62749 E | 64142 N élévation 336.8 m

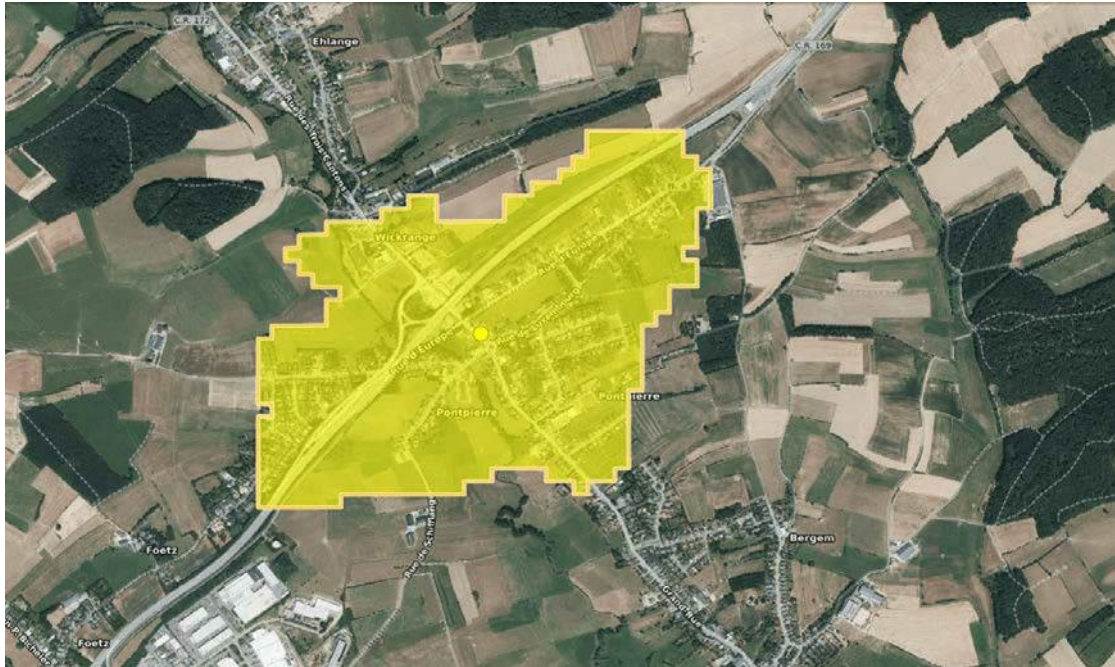
- Sources de bruit principales : trafic routier et ferroviaire



## 5.8 IP0326 Mondercange, Pontpierre (Hotspot Mond\_035)

Point d'immission : trottoir, rue de Luxembourg, 2 L-4393 Pontpierre  
Coordonnées LUREF : 69783 E | 66848 N élévation 283.7 m

- Sources de bruit principales : trafic routier





## 5.9 IP0327 Esch/Alzette, Gare

Point d'immission : trottoir, boulevard Kennedy, 11 L-4170 Esch/Alzette  
Coordonnées LUREF : 66692 E | 62120 N élévation 291.2 m  
- Sources de bruit principales : trafic routier et ferroviaire

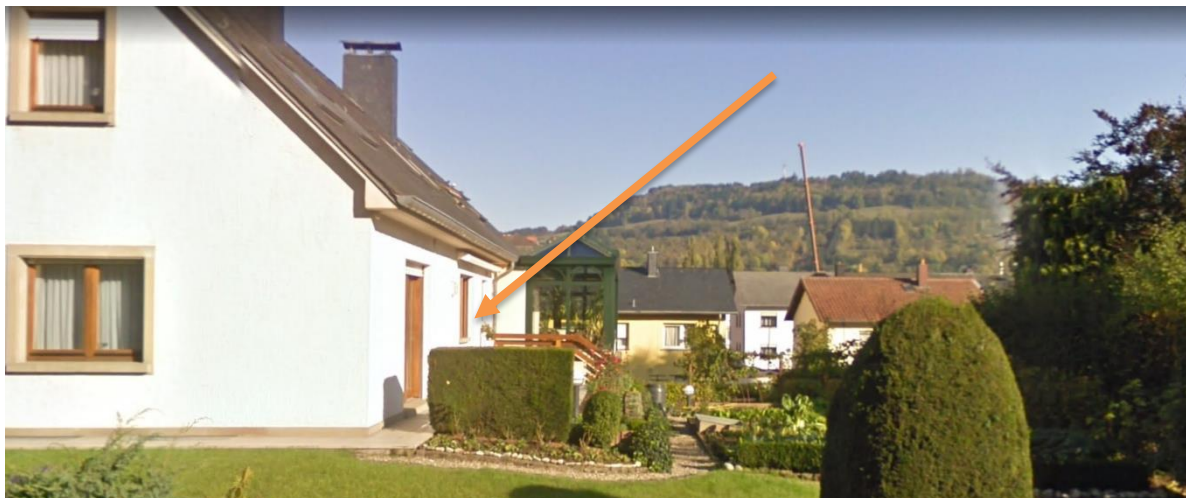
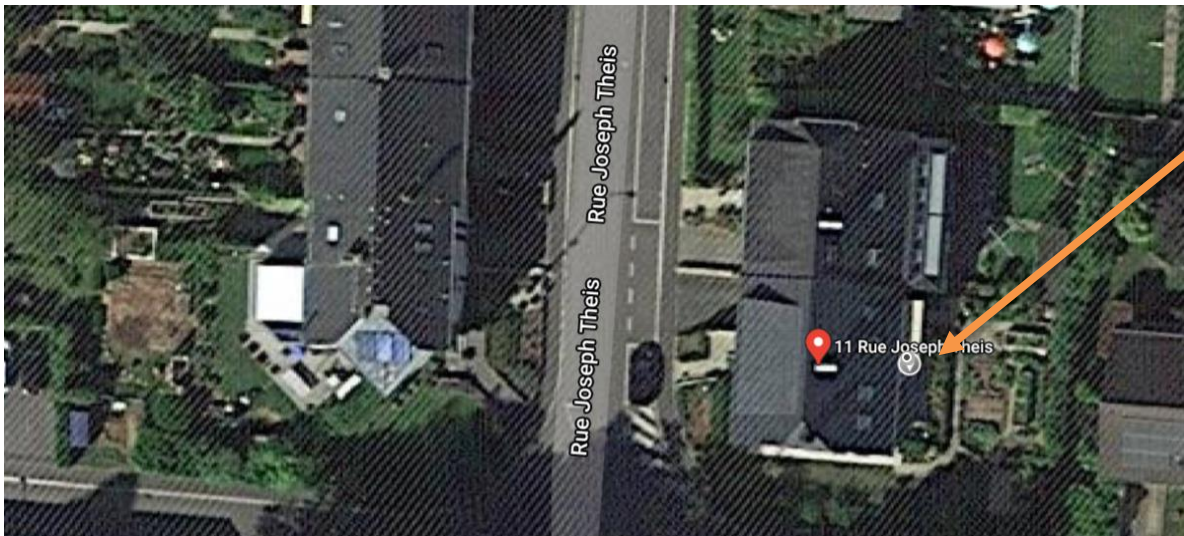


## 5.10 IP0328 Diekirch Sauerwiss

Point d'immission : jardin, rue Jos Theis 11 L-9282 Diekirch

Coordonnées LUREF : 79436 E | 103178 N élévation 196.8 m

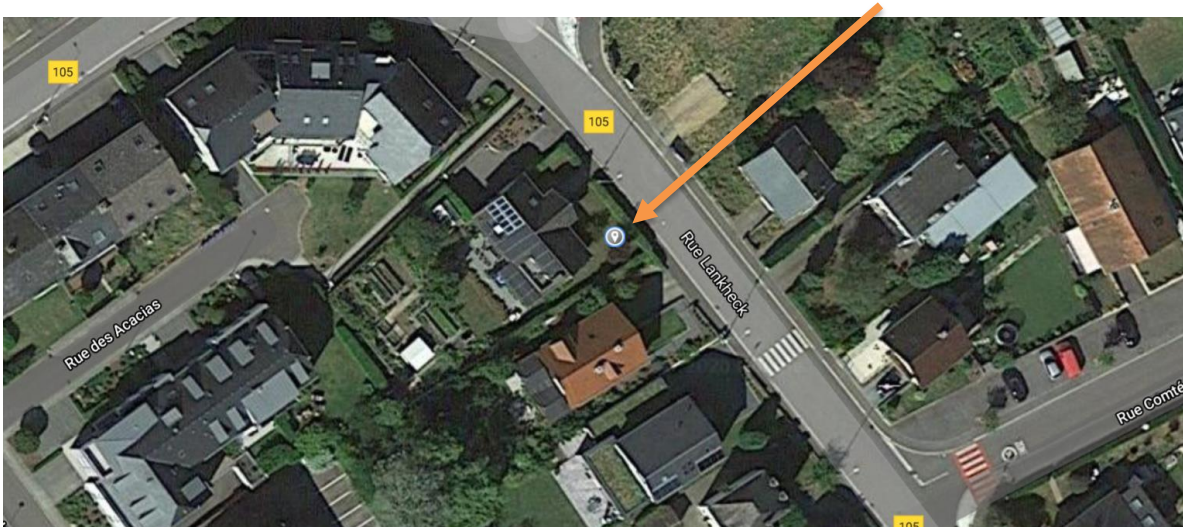
- Sources de bruit principales : trafic routier intermittent dans lotissement, trafic soutenu depuis RN14





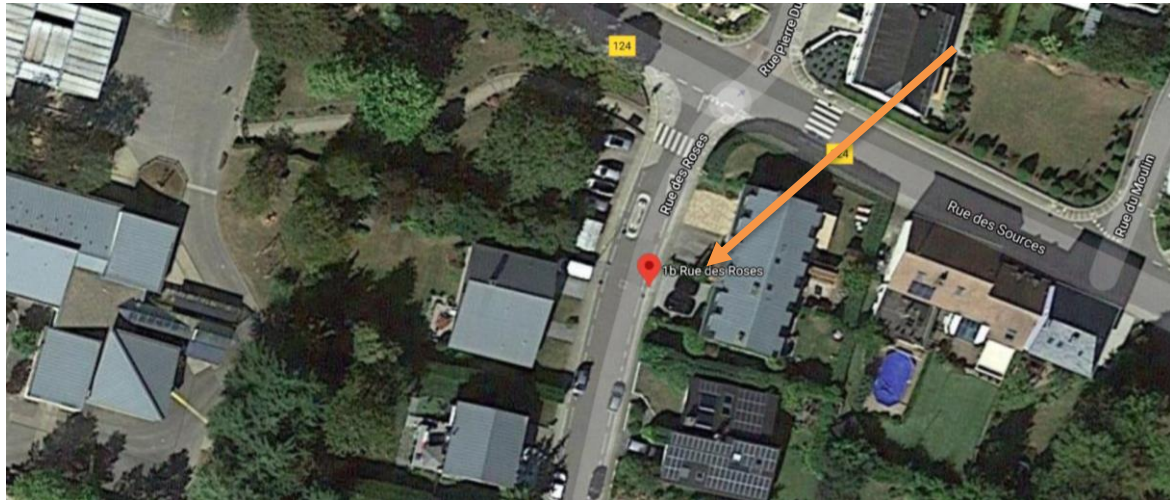
## 5.11 IP0329 Mersch

Point d'immission : sur branche d'arbre, rue Lankheck 35, L-7542 Mersch  
Coordonnées LUREF : 74799 E | 90113 N élévation 233.3 m  
- Sources de bruit principales : trafic routier soutenu



## 5.12 IP0330 Heisdorf

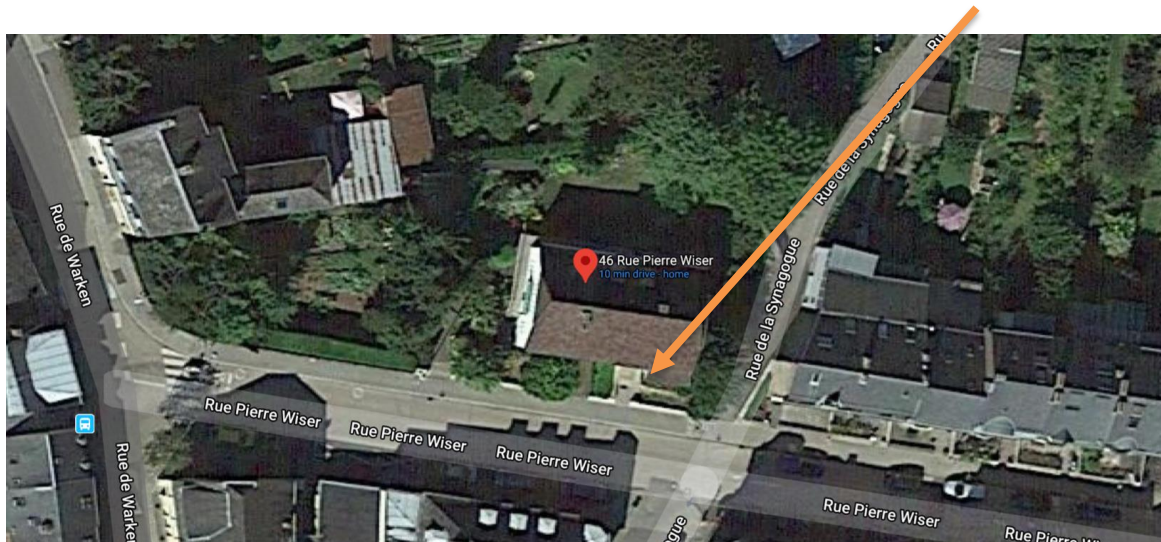
Point d'immission : balcon, rue des Roses 1b, L-7335 Heisdorf  
Coordonnées LUREF : 78112 E | 82031 N élévation 245.7 m  
- Sources de bruit principales : trafic routier intermittent





## 5.13 IP0331 Ettelbrück

Point d'immission : fenêtre, rue Pierre Wiser 46, L-9092 Ettelbrück  
Coordonnées LUREF : 74994 E | 101554 N élévation 202.0 m  
- Sources de bruit principales : trafic routier intermittent



## 6. Le déconfinement au Grand-Duché de Luxembourg

Les mesures prises par le Gouvernement pour limiter la propagation du virus et pour protéger les personnes à risque sont entrées en vigueur le 16 mars à minuit. Les limitations des déplacements, le maintien des activités essentielles uniquement, la limitation des activités commerciales et artisanales et l'annulation de toutes les activités non-indispensables a profondément changé l'environnement sonore, puisque les bruits anthropiques générés par les activités économiques furent durablement réduits.

En date du **20 avril**, les premières mesures de déconfinement (**Phase 1**) ont permis aux chantiers de reprendre leurs activités, de même comme les magasins de bricolage, les jardiniers et les pépiniéristes. La campagne de mesure a débuté en cette phase, de manière à pouvoir documenter l'impact de la reprise progressive des activités économiques sur l'environnement sonore.

À partir du **11 mai**, la **deuxième phase** du déconfinement a permis aux lycéens de retourner à l'école suivie à partir du **25 mai** par les écoles fondamentales et structures d'accueil (**Phase 3**).

La réouverture du secteur HORESCA en date du 27 mai pour les terrasses, respectivement le 29 mai pour les restaurants et cafés a elle aussi eu un impact sur les déplacements motorisés.

Les 3 phases de déconfinement sont représentées dans les graphiques en annexe par un fond coloré.

## 7. Résultat des mesures

### 7.1 Tableau récapitulatif des niveaux moyens par phase /dB(A)

IP	Localisation	L <sub>day</sub> moyen			L <sub>ev</sub> moyen			L <sub>night</sub> moyen			L <sub>den</sub> moyen		
		Ph1	Ph2	Ph3	Ph1	Ph2	Ph3	Ph1	Ph2	Ph3	Ph1	Ph2	Ph3
0311	Mühlenbach	66.6	67.4	67.9	61.2	62.2	64.4	57.8	59.0	60.3	67.2	68.3	69.4
0312	Cessange	61.6	62.2	61.3	56.9	59.1	58.8	56.1	56.3	56.2	64.0	64.5	64.1
0313	Glacis	61.4	62.5	63.8	58.1	59.3	61.4	53.0	55.3	57.0	62.5	64.1	66.0
0314	Blvd Royal	62.0	62.4	62.3	59.5	60.3	61.5	55.7	55.7	58.1	64.3	64.4	66.4
0317	Dudelange	54.1	59.7	61.4	63.6	66.4	67.1	67.8	65.3	66.0	56.3	59.7	61.6
0318	Gasperich	58.6	60.6	61.6	54.9	57.8	59.7	51.6	54.2	55.0	60.6	63.0	63.9
0319	Belvaux	59.8	61.2	62.4	56.5	58.4	59.3	52.5	53.9	55.1	61.3	62.8	63.9
0326	Pontpierre	61.2	62.6	63.8	57.9	59.8	60.7	53.9	55.3	56.5	62.7	64.2	65.3
0327	Esch/Alzette	66.1	66.8	66.9	64.7	64.8	66.3	60.3	61.1	62.7	68.9	69.4	70.8
0328	Diekirch	49.2	49.2	50.6	45.5	46.7	48.7	46.9	47.4	48.6	53.8	54.2	55.6
0329	Mersch	53.8	55.6	58.9	48.9	50.8	52.3	44.6	46.5	47.7	54.3	56.3	58.9
0330	Heisdorf	51.3	52.9	53.1	46.6	49.2	51.9	44.4	46.6	47.6	52.9	55.3	56.3
0331	Ettelbrück	58.7	61.8	60.8	55.9	56.3	57.8	51.1	52.0	51.6	60.3	60.6	61.8

Les valeurs  $\Sigma_{day}$ ,  $\Sigma_{evening}$  et  $\Sigma_{night}$  sont obtenues par moyenne arithmétique des valeurs journalières L<sub>day</sub>, L<sub>evening</sub> et L<sub>night</sub>.

## 7.2 Tableau récapitulatif des changements de niveaux sonores sur toute la période de mesure /dB(A)

IP	Localisation	Variation L <sub>day</sub>	Variation L <sub>evening</sub>	Variation L <sub>night</sub>	Variation L <sub>den</sub>
0311	Mühlenbach	+3	+5	+4	+4
0312	Cessange	+2	+3	+1	+1
0313	Glacis	+4	+5	+7	+5
0314	Blvd Royal	+0	+1	+3	+2
0317	Dudelange	+5	+0	+6	+0
0318	Gasperich	+4	+5	+4	+4
0319	Belvaux	+4	+4	+5	+4
0326	Pontpierre	+7	+7	+7	+7
0327	Esch/Alzette	+2	+2	+4	+3
0328	Diekirch	+2	+4	+2	+3
0329	Mersch	+8	+5	+5	+8
0330	Heisdorf	+3	+8	+4	+5
0331	Ettelbrück	+2	+3	+1	+2

## 8. Conclusion

### Situation générale dominée par le trafic routier :

En situation de confinement, des diminutions des niveaux sonores allant de légères à importantes furent observées sur l'ensemble des points de mesure. La baisse des niveaux sonores en début de la première phase de déconfinement vis-à-vis des valeurs « de référence » datant de 2019 est comprise entre 0 et 7 dB. La source sonore prédominante fut le trafic routier. Durant la campagne de mesure, en général, une recrudescence progressive du bruit fut constatée durant les 3 phases du déconfinement, de pair avec la reprise des activités économiques et de transport ainsi que les activités et déplacements de loisir.

Il est à noter qu'une baisse de niveau sonore de 4 à 6 dB correspond à une diminution de 60% à 75% de l'énergie sonore.

Les diminutions des niveaux physiques sont également bien perçues par les habitants et rapportées par les personnes rencontrées dans le cadre de la présente étude.

En général, les activités économiques agiront plutôt sur les niveaux sonores diurnes, tandis que les activités et déplacements de loisir s'effectuent majoritairement en soirée et de nuit.

Pour la journée du 11 mai, une recrudescence générale des bruits reflète la réouverture des commerces, une tendance similaire se présente pour la journée du 29 mai, date de réouverture des établissements HORESCA. Ces 2 dates peuvent être vues comme dates de remobilisation.

Les courbes des niveaux sonores en phases de déconfinement peuvent donc varier selon la pondération relative et la nature des bruits diurnes, vespérales et nocturnes.

La valeur moyenne des **valeurs diurnes** pour les **points d'immission Cessange, Diekirch, Heisdorf, Ettelbrück et boulevard Royal** indiquerait alors que les activités économiques et les bruits de transport dans ces secteurs sont restés généralement stables depuis le premier jour du déconfinement.

Les points d'immission de **Diekirch, Ettelbrück et Heisdorf** sont situés dans une zone d'habitation où les activités économiques et de transport ont un moindre impact sur les mesures. Devient aussi visible dans ces zones où les bruits biogènes ne sont pas autant masqués par les bruits anthropiques, le caractère aléatoire des bruits biogènes en soirée et de nuit.

Les valeurs  $L_{evening}$  du point d'immission **Dudelange** en phase de déconfinement 1 ne sont pas représentatives et dues à des valeurs  $L_{eq,1h}$  biaisées entre 20 et 21 heures, excédant de 15 à 20 dB les niveaux « normaux ». Ces niveaux exceptionnels étaient dus aux « applaudissements de 20:00 heures pour les héros du Secteur de la Santé » dans le voisinage direct et aux festivités bruyantes qui les accompagnaient. Hormis ces valeurs, la courbe aurait retrouvé sa tendance ascendante.

### Trafic aérien :

Durant toute la période de mesure, le trafic aérien fut fortement réduit par rapport aux activités aériennes « normales ». En vue des valeurs obtenues, on peut déduire que l'impact sonore du trafic aérien hors voisinage aéroportuaire est faible face aux bruits dominants du trafic routier. Le trafic aérien n'est pas encore au rythme « normal », actuellement, 3 avions de la compagnie aérienne nationale sont encore en arrêt.

### Mouvements de vol cumulés Aéroport du Findel:<sup>1</sup>

	Vols 2019	Vols 2020
Mars	5.796	3.745
Avril	6.251	1.022
Mai	6.589	1.482
Juin	6.516	1.906

### Transports Publics :

En ce qui concerne les transports publics en agglomération de Luxembourg, ceux-ci ont été adaptés en fonction de l'évolution du flux des passagers et de la disponibilité du Service Autobus. L'horaire a dès lors ainsi été réduit par étapes depuis le lundi 16 mars 2020.

Prenant en compte la sortie graduelle de l'état de confinement et l'augmentation du nombre de passagers transportés par le réseau des autobus de la Ville, un nouvel horaire provisoire fut instauré à partir du lundi 25 mai 2020.

Actuellement, et sur base de comptages de voyageurs, la fréquentation est en général encore inférieure à la situation "avant pandémie", notamment les lignes utilisées principalement par une clientèle professionnelle (Kirchberg, Cloche d'Or, etc.), qui n'ont jusqu'à présent pas encore retrouvé leur taux d'occupation d'antan. Un nombre important de personnes, surtout du secteur tertiaire, sont encore en « télétravail » ce qui déleste aussi les grands axes routiers menant vers les quartiers avec forte présence tertiaire.

Les services des transports publics (RGTR, LUXTRAM, TRANSPORTS SCOLAIRES, CFL, TICE) sont progressivement revenus à la normale :

- à partir du 4 mai 2020, les services RGTR ont repris leur rythme habituel,
- à partir du 4 mai 2020, les services de transport RGTR vers les établissements d'enseignement ont repris de façon adaptée aux nouveaux horaires scolaires,
- à partir du 11 mai 2020, les services de transport TICE ont repris pour les lycéens,
- après un service en fonction des différentes phases du déconfinement, les CFL ont repris en date du 6 juin l'horaire qui était appliqué avant la situation de pandémie.

<sup>1</sup> décollages et atterrissages d'aéronefs d'un poids total au décollage  $\geq 5.7$  t



- à partir du 8 juin, le tram circule aux horaires et fréquences habituelles,

**Les valeurs des niveaux sonores mesurés à partir des premiers jours du déconfinement graduel permettent d'affirmer que les niveaux sonores pertinents en phase de confinement furent égaux ou inférieurs à ceux mesurés en début de campagne durant la première phase de déconfinement. L'évolution moyenne des niveaux sonores différenciés durant les 3 phases du déconfinement reflète la reprise progressive des activités économiques par les bruits anthropiques générés par les activités de transport, de construction et de loisir.**

#### La situation vis-à-vis des niveaux de référence de 2019

**En général, les différences de niveaux sonores relevées ont été légèrement plus importantes en soirée (période 19h-23h) et la nuit (période 23h-07h) que le jour (période 7h-19h). Une tendance à la remontée stable des niveaux sonores a été observée au cours des deux mois de la campagne de mesures, avec un retour à une situation proche de la situation habituelle depuis début juin, avec encore toutefois un léger écart estimé de l'ordre de 1 dB(A) en moyenne vis-à-vis des valeurs des référence établies en 2019. Il est à rappeler que les valeurs mesurées par la présente campagne sont sujets à une incertitude de mesure et que toutes les informations de niveaux sonores absolus doivent être considérées avec une marge d'erreur de  $\pm 3$  dB.**

Outre l'impact identifié en termes de niveaux en décibels, le tissu sonore urbain fut profondément modifié dans sa composition, la hiérarchisation des sources sonores étant inversée. Des sons jusqu'à présent masqués par la présence dominante des bruits des transports et des sons liés à d'autres activités humaines (livraisons, commerces, terrasses, voix...) se mettaient en retrait et laissaient la place à des sons qui étaient déjà présents mais qui demeuraient peu perceptibles.

Les sons biogènes et géogènes d'origine naturelle sont devenus prépondérants en période de confinement. Cette modification du paysage sonore fut accompagnée par des adjectifs et connotations positifs (calme, agréable, paisible).

Le monde post-covid19 sera un autre que celui que nous connaissions : le confinement lié au Covid-19 a réduit le bruit de notre société, nous conduisant vers une forme de silence inattendu.

L'immobilité a fait décroître le bruit que nous générions avec nos moyens de transport : réduction du trafic routier, ferroviaire et aérien. Ce fut une situation acoustique totalement inédite que nous pouvions percevoir depuis nos fenêtres et balcons.

Pour la plupart des personnes rencontrées, les paysages sonores calmes leur apportent un sentiment bénéfique de tranquillité et de repos. Réduire le bruit, c'est donc assurément retrouver un contact sensoriel avec la nature, améliorer notre bien-être et protéger notre santé.

Le bruit réapparaît comme facteur de gêne auditive, de trouble du sommeil, de déconcentration, de changement d'humeur et de stress.

Les susceptibilités envers le bruit anthropique ont changé depuis, leur acceptation n'est plus la même et le stress qui en découle sera d'autant plus mis en cause.




Georges Reckinger

Acoustique et Physique du Bâtiment

#### Annexes :

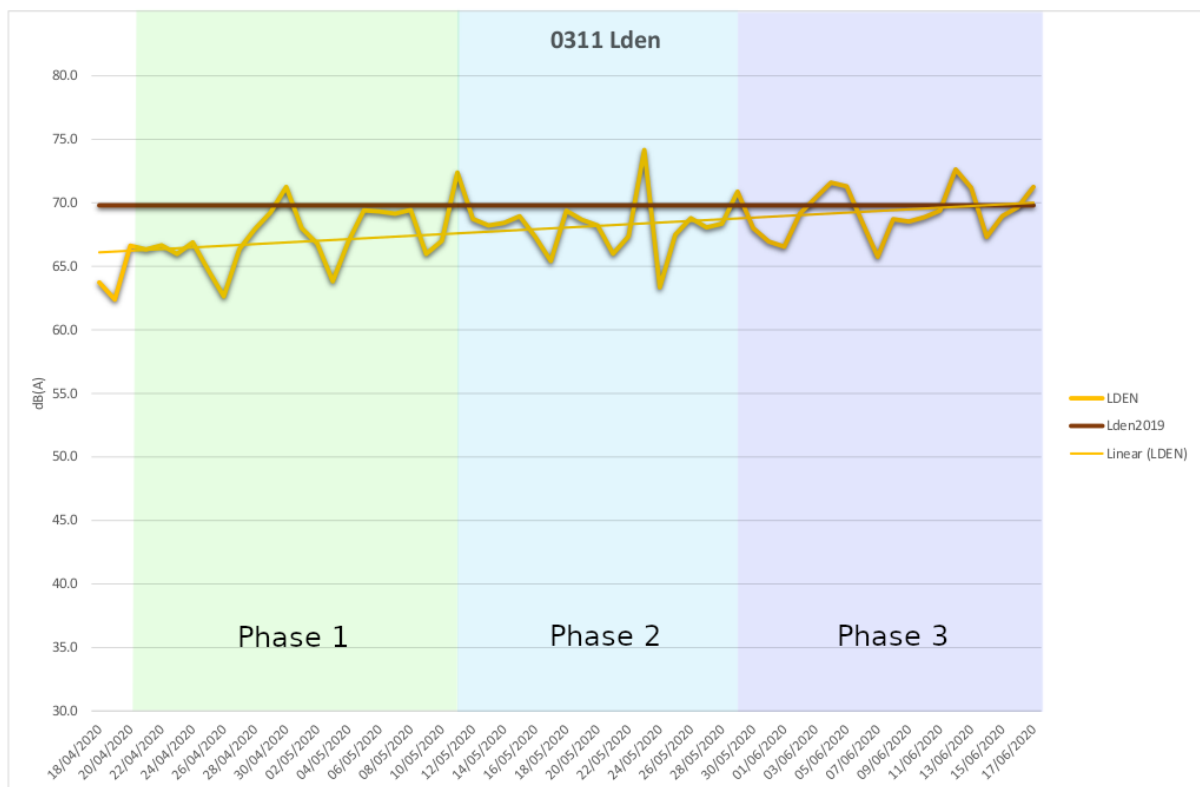
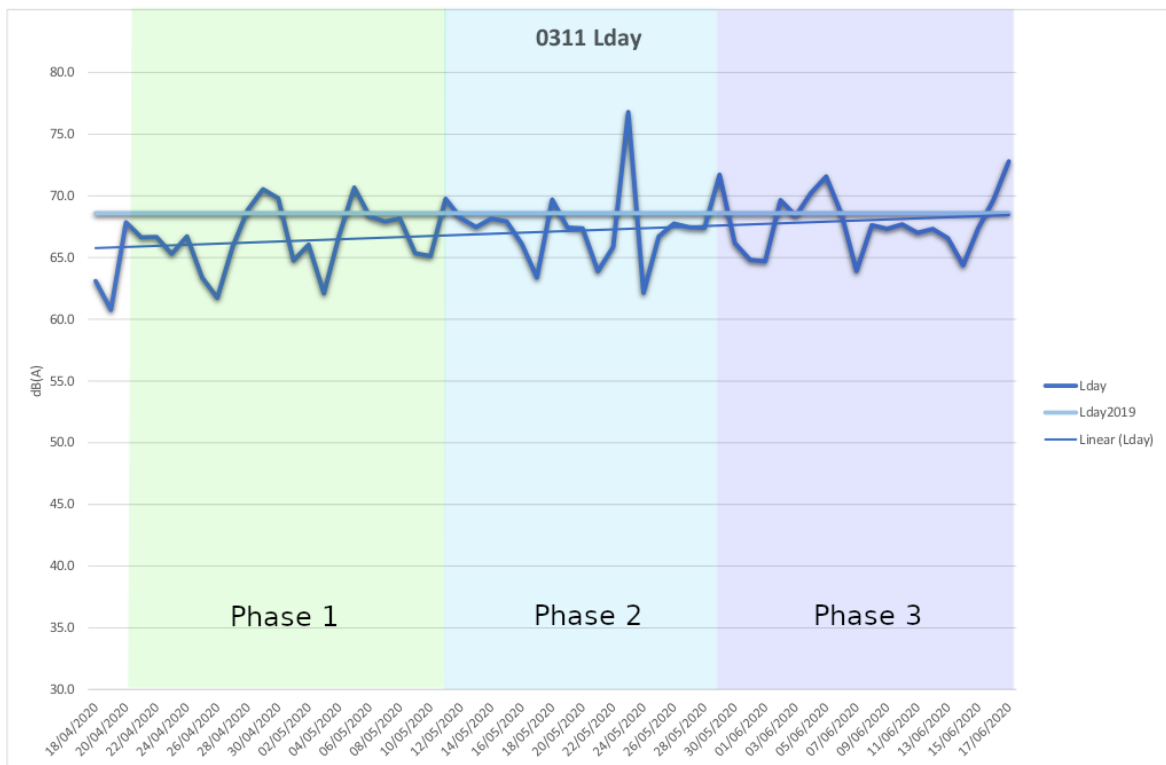
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0311	Luxembourg Mühlenbach	001-017
0312	Luxembourg Cessange	018-034
0313	Luxembourg allée Scheffer	035-051
0314	Luxembourg Boulevard Royal	052-068
0317	Dudelange	069-085
0318	Luxembourg Gasperich	086-102
0319	Sanem/Belvaux	103-119
0326	Mondercange/Pontpierre	120-136
0327	Esch/Alzette	137-141
0328	Diekirch	142-146
0329	Mersch	147-151
0330	Heisdorf	152-156
0331	Ettelbrück	157-161
	Direction et force des vents 04-06/2020	162-164
0317	Corrélation horaire 2019/2020	165-188

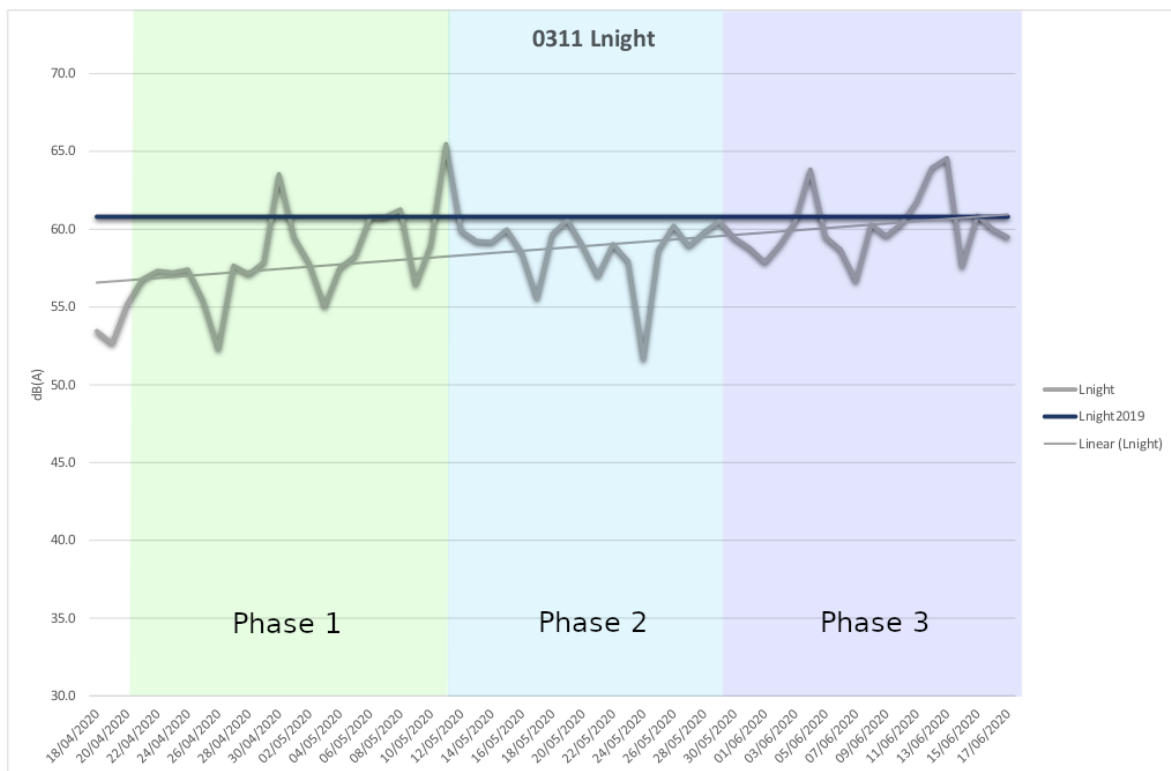
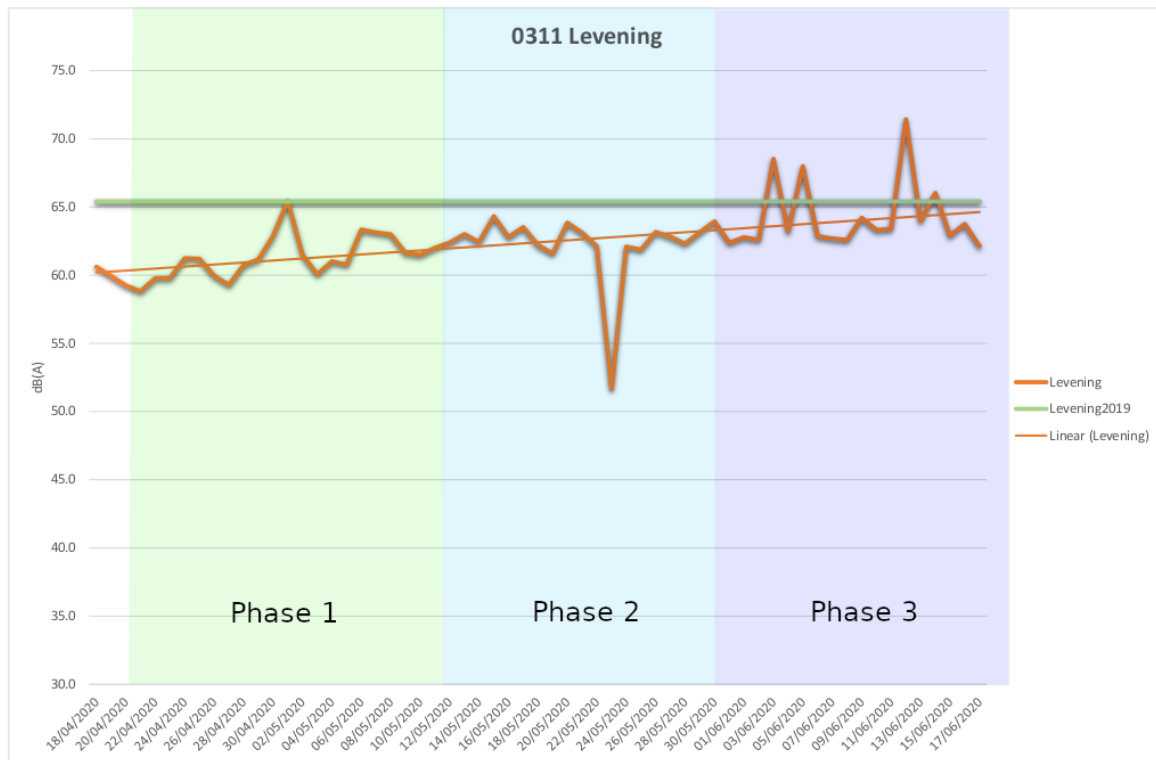
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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Point ID:	0311 (Luxe_018)		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Luxembourg		
Address:	rue de Mühlenbach 131		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	76871 E	76913 N	247.30
<b>Measurements</b>			
Start:	17/04/20 16:20		
Finish:	17/06/20 19:10		
<b>Point description</b>			
Microphone height:	3.60		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

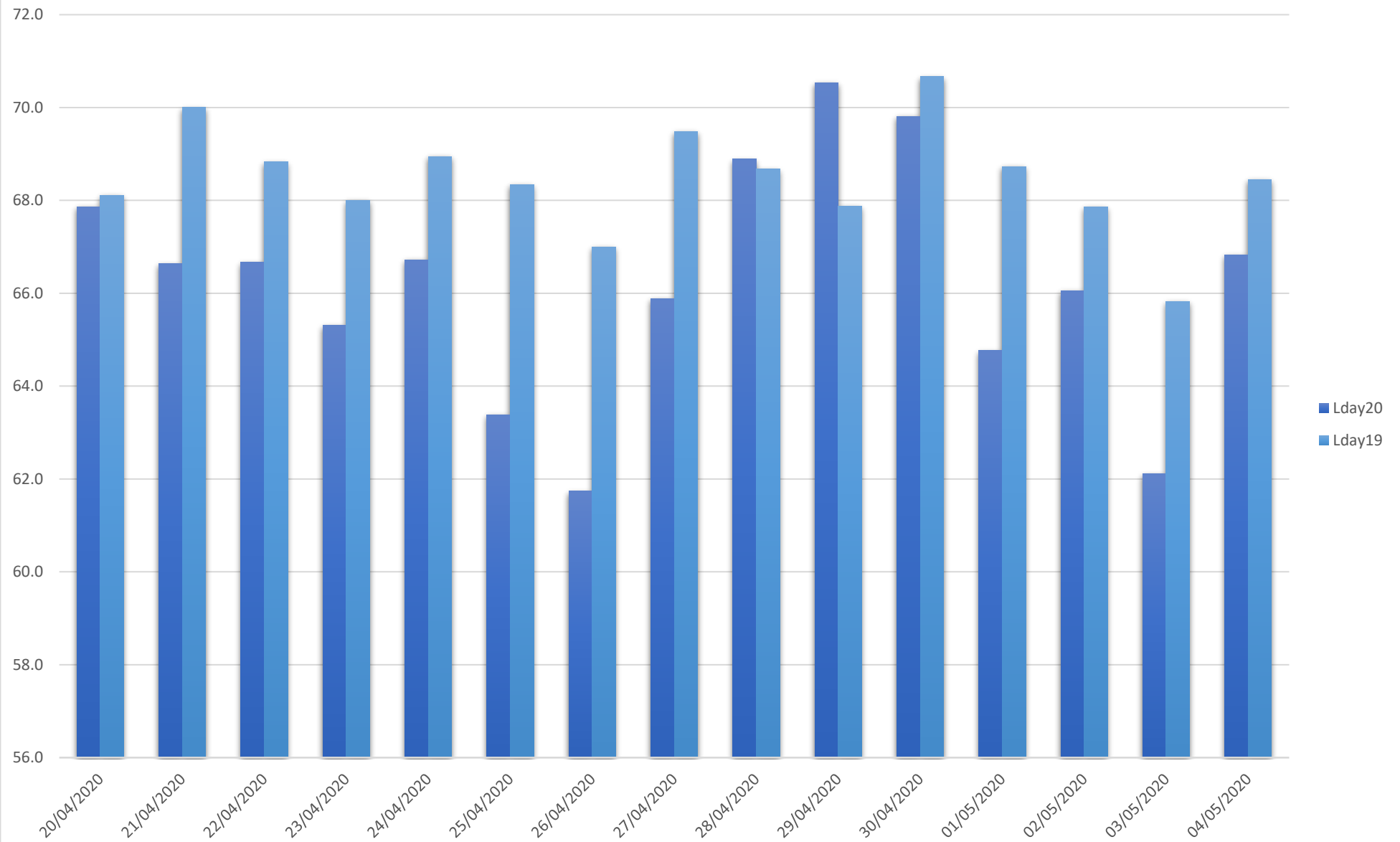
UTC+02:00																																	
	Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020		
Heure	51.8	47.6	46.8	50.1	49.5	56.1	48.9	50.8	55.0	50.6	58.8	53.7	54.4	43.2	49.0	51.2	58.7	54.2	54.1	50.8	53.7	57.4	54.5	39.1	53.6	52.0	55.2	57.3	50.4	55.3	51.1		
0-1	39.4	42.1	50.1	54.2	52.6	53.5	52.1	51.0	46.1	47.5	46.6	52.3	53.5	41.0	52.4	41.1	48.6	52.1	41.2	52.5	48.1	43.2	39.2	55.7	54.1	54.3	55.6	53.6	45.6	56.1	47.6		
1-2	41.7	38.9	51.7	39.1	49.8	38.9	47.0	38.6	52.2	51.3	52.0	39.7	51.1	53.0	38.9	38.9	38.9	38.9	45.4	55.6	50.1	53.0	53.7	40.2	51.5	40.9	55.1	49.5	39.1	52.6	43.1		
2-3	48.1	39.4	54.4	48.4	44.8	39.6	39.3	38.8	39.0	39.2	52.1	45.8	52.1	39.2	39.1	39.4	39.4	51.6	48.8	39.1	59.4	46.1	50.8	39.3	50.6	49.1	55.5	54.2	42.6	50.5	43.1		
3-4	49.3	49.5	51.9	46.0	58.8	52.6	48.7	52.9	50.7	55.5	60.5	44.3	60.4	55.2	57.3	56.8	54.4	55.7	56.3	56.6	59.5	61.0	54.9	53.6	43.0	56.0	59.2	53.1	49.7	48.6	56.1		
4-5	57.2	57.7	61.0	59.1	59.4	59.4	57.5	60.5	60.8	60.4	68.0	58.4	61.9	59.4	60.1	61.0	62.4	65.0	63.6	59.0	62.9	67.4	61.3	59.7	60.5	61.8	59.2	59.1	61.3	64.9	62.2		
5-6	62.2	64.6	63.5	64.4	63.4	59.4	56.0	64.3	63.1	64.8	69.1	66.9	61.0	55.1	64.1	64.9	66.2	66.8	68.5	61.0	61.8	73.0	67.0	66.5	66.1	66.5	62.5	53.6	67.2	66.5	65.2		
6-7	62.5	65.2	66.8	66.7	67.0	63.1	56.9	66.0	65.4	67.1	71.1	62.4	61.3	57.3	66.0	69.2	67.1	71.5	67.2	57.9	62.0	72.2	68.7	66.0	68.4	67.3	61.3	61.2	67.4	69.4	69.0		
7-8	63.0	64.7	66.7	64.2	67.9	60.0	54.9	63.5	70.2	65.6	73.5	60.7	60.7	59.9	67.4	67.9	69.0	67.3	68.9	64.5	60.7	72.8	68.7	66.8	68.8	66.9	64.1	58.5	67.6	66.5	67.7		
8-9	65.1	67.9	69.5	65.3	67.9	62.3	60.8	65.1	67.5	66.4	69.0	66.4	63.5	60.7	68.1	78.8	69.0	67.2	68.5	67.9	61.4	71.6	69.5	67.4	67.9	68.5	66.3	63.2	67.2	67.7	67.8		
9-10	64.8	65.2	67.3	63.6	66.7	64.7	61.8	65.9	67.6	68.1	66.4	69.0	64.7	60.2	66.0	69.7	69.3	65.8	67.8	68.4	61.8	70.7	69.2	67.1	68.3	67.8	66.3	65.3	67.8	67.2	68.0		
10-11	66.6	66.4	67.5	64.5	66.4	63.2	62.4	67.0	72.1	71.0	66.7	62.8	65.8	61.8	68.0	67.5	67.9	66.6	66.3	67.2	63.4	67.0	68.4	69.7	67.7	70.4	67.5	63.2	67.3	67.4	67.6		
11-12	69.2	65.7	65.3	66.0	67.7	64.2	60.5	67.9	71.4	77.7	65.6	61.9	64.7	64.5	67.9	66.8	69.2	69.0	67.5	64.3	63.3	68.7	70.4	68.9	68.8	68.0	67.3	63.0	67.6	67.7	67.0		
12-13	70.0	67.1	66.9	67.2	69.0	62.0	60.6	67.5	70.0	69.0	64.9	62.5	69.1	61.9	66.0	68.8	69.5	67.2	71.6	64.4	63.7	68.8	68.4	67.9	68.7	68.3	65.8	63.6	67.9	67.4	66.6		
13-14	72.1	69.7	65.7	66.8	66.1	62.8	61.9	65.0	70.1	66.2	68.6	67.4	68.4	62.3	67.2	66.8	67.4	68.1	69.5	65.2	66.8	68.2	66.3	67.2	68.6	67.3	68.3	63.9	67.1	67.5	69.2		
14-15	70.4	68.7	67.0	66.4	67.3	62.6	65.3	67.2	69.2	65.8	72.3	61.8	68.9	61.7	67.7	68.3	68.5	70.1	68.3	64.4	71.0	69.3	66.1	68.2	67.3	67.0	66.1	63.2	67.9	67.9	66.3		
15-16	66.7	65.2	65.3	64.7	63.3	65.8	63.9	65.0	65.0	73.7	72.3	64.2	65.4	63.8	66.0	65.9	68.9	66.2	66.2	64.4	66.9	67.1	67.9	67.8	68.8	69.6	65.1	63.8	65.0	67.0	65.7		
16-17	66.2	65.2	64.9	63.4	64.3	64.1	62.5	63.8	64.9	63.8	70.7	63.4	66.7	64.3	65.0	64.9	67.2	67.4	66.6	64.5	63.3	67.5	65.6	65.9	68.1	65.8	65.9	63.4	66.0	65.7	66.1		
17-18	66.5	64.9	64.6	61.3	63.1	63.1	60.8	63.7	63.8	64.2	65.0	65.7	64.9	62.2	65.0	64.9	65.6	62.8	66.0	63.7	63.6	67.9	66.1	64.3	65.3	65.9	65.8	65.0	77.3	66.8	65.5		
18-19	61.8	61.8	62.8	61.8	63.7	62.5	60.6	62.0	61.2	63.5	64.5	68.1	64.1	61.1	63.9	63.2	65.7	64.8	64.6	64.3	63.1	65.3	65.5	65.7	65.4	66.2	65.0	65.7	63.5	63.5	65.8		
19-20	59.7	60.0	60.2	60.1	60.8	63.4	61.6	60.6	61.5	60.4	62.3	64.8	62.6	60.3	61.5	60.6	63.5	64.7	63.5	59.0	61.9	62.8	62.9	64.0	60.2	63.7	62.3	65.1	63.6	61.4	63.2		
20-21	53.2	54.5	55.3	60.3	60.1	59.6	59.2	52.0	61.4	60.8	61.0	64.0	59.7	59.8	59.5	60.5	61.7	61.9	63.4	60.7	61.0	56.2	59.9	60.3	62.2	65.4	61.7	61.6	59.8	60.6	64.9		
21-22	58.5	53.5	56.9	53.3	58.7	56.2	57.3	57.0	57.9	58.4	62.9	63.0	55.6	58.7	54.9	56.2	60.7	58.5	58.1	60.6	59.0	58.0	56.3	58.6	59.1	59.4	61.1	58.0	60.7	60.0	58.7		
22-23	51.3	52.7	50.8	51.3	53.0	53.4	44.7	55.5	53.5	50.1	61.6	60.2	52.1	58.9	51.6	55.7	64.0	58.8	57.4	55.4	58.7	59.4	57.5	58.5	58.4	60.2	59.3	57.0	57.8	57.0	58.3		
23-24	67.9	66.6	66.7	65.3	66.7	63.4	61.7	65.9	68.9	70.5	69.8	64.8	66.1	62.1	66.8	70.7	68.4	67.9	68.2	65.4	65.1	69.8	68.2	67.5	68.2	67.9	66.1	63.4	69.7	67.4	67.4		
Σ <sub>Day</sub>	59.3	58.8	59.8	59.8	61.2	61.2	60.0	59.3	60.7	61.2	62.9	65.4	61.5	60.1	61.0	60.8	63.3	63.1	63.0	61.6	61.5	62.0	62.4	63.0	62.4	63.0	62.8	63.5	62.2	61.6	63.8		
Σ <sub>Evening</sub>	55.2	56.8	57.3	57.2	57.4	55.4	52.3	57.7	57.1	57.9	63.5	59.5	57.8	55.0	57.5	58.3	60.8	60.8	61.3	56.5	59.0	65.5	59.9	59.2	59.2	60.0	58.5	55.6	59.7	60.6	59.0		
Σ <sub>Night</sub>	66.6	66.3	66.7	66.0	66.9	64.7	62.6	66.4	67.9	69.2	71.3	68.0	66.8	63.8	67.0	69.4	69.3	69.1	69.4	66.0	67.0	72.4	68.7	68.2	68.4	69.0	67.3	65.4	69.4	68.7	68.2		

Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi				
21/05/2020	22/05/2020	23/05/2020	24/05/2020	25/05/2020	26/05/2020	27/05/2020	28/05/2020	29/05/2020	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020	04/06/2020	05/06/2020	06/06/2020	07/06/2020	08/06/2020	09/06/2020	10/06/2020	11/06/2020	12/06/2020	13/06/2020	14/06/2020	15/06/2020	16/06/2020	17/06/2020	Heure	Semaine	Weekend	Sem.+Wk
57.0	56.1	59.0	46.1	50.9	53.8	53.2	51.3	55.4	61.0	61.3	60.1	53.5	58.8	56.3	56.1	60.0	60.9	51.3	54.3	55.6	60.4	60.9	69.2	60.1	56.3	52.9	52.8	0-1	55.1	59.8	57.1
58.3	55.7	56.8	43.7	47.3	52.0	48.3	54.9	53.3	61.3	59.3	57.4	39.5	55.2	64.6	54.2	60.3	56.8	52.7	39.7	55.4	56.0	52.1	68.3	60.4	53.2	56.1	50.6	1-2	53.9	58.8	56.0
51.8	53.7	57.0	40.9	38.9	47.2	39.3	43.8	49.8	58.3	55.5	54.3	46.6	46.9	55.3	50.9	55.6	54.6	53.2	40.3	40.8	47.9	49.6	62.0	57.3	51.0	52.6	49.8	2-3	49.5	54.9	51.9
52.2	52.1	55.5	43.2	40.7	41.5	44.9	47.6	48.7	53.3	58.1	40.6	47.9	48.7	57.6	48.8	41.1	55.8	48.6	50.2	52.6	50.6	43.4	48.8	51.3	47.1	41.5	48.7	3-4	49.0	53.1	50.6
55.4	57.7	54.1	50.3	52.9	57.3	59.9	56.3	55.7	54.7	57.7	56.5	57.8	57.9	62.7	56.7	55.2	56.8	58.5	57.8	57.9	54.1	56.9	56.7	54.2	58.0	49.1	60.4	4-5	56.6	56.0	56.4
57.8	60.0	59.9	56.0	60.4	63.4	60.4	62.1	64.0	60.8	61.5	59.6	63.5	61.5	65.9	60.3	60.9	52.7	62.6	61.5	62.3	66.5	64.7	63.8	54.4	64.2	63.1	61.3	5-6	62.6	59.8	61.9
60.1	65.1	62.0	50.9	66.1	66.6	65.2	66.5	66.2	58.2	55.1	58.3	64.3	65.3	69.2	65.7	60.1	52.3	66.8	66.1	67.1	66.6	68.0	63.2	55.4	66.9	66.4	66.0	6-7	66.4	59.3	65.2
57.8	66.3	58.8	49.4	69.8	67.6	66.8	68.4	68.8	63.7	58.4	58.1	69.2	67.0	69.7	66.9	64.2	57.2	68.1	66.9	68.8	67.2	67.1	65.4	59.8	67.8	68.3	68.5	7-8	67.9	60.8	66.7
61.8	67.4	62.8	65.6	66.8	67.8	69.2	66.5	80.8	61.1	59.0	61.6	66.4	66.9	69.1	67.9	71.9	59.2	68.3	66.9	68.0	66.9	67.7	66.1	57.3	67.4	68.1	67.7	8-9	69.4	63.6	68.3
63.4	67.1	68.9	59.4	66.8	68.5	68.6	66.5	67.4	64.3	65.5	62.1	68.5	66.9	66.9	67.0	71.9	61.2	67.1	68.2	68.9	67.6	67.3	65.5	64.1	66.3	68.0	69.6	9-10	68.8	65.2	68.0
63.3	65.6	75.9	56.7	66.9	68.5	67.5	67.0	65.9	65.9	66.4	64.6	66.6	71.3	68.5	68.1	63.3	68.7	68.5	67.7	67.4	67.3	65.4	64.1	68.8	75.6	68.7	68.7	10-11	68.9	66.9	68.4
63.7	65.4	76.0	54.9	66.9	67.3	67.9	68.5	66.6	66.4	65.7	63.7	67.0	74.6	74.9	68.9	69.7	64.8	68.0	67.2	67.0	66.9	67.8	67.1	66.5	66.9	66.3	66.6	11-12	68.4	67.3	68.1
68.5	66.3	83.5	60.2	66.2	67.8	68.1	67.3	66.9	67.0	68.5	67.3	66.2	66.9	71.5	69.0	67.3	64.2	67.6	67.3	67.3	66.5	67.8	66.4	65.8	68.4	66.5	67.3	12-13	68.7	71.9	69.9
63.5	64.6	64.0	62.6	65.5	68.5	67.7	68.4	65.9	65.9	63.6	65.3	67.2	67.9	67.1	72.6	69.4	64.5	67.8	68.2	67.5	67.1	67.1	66.5	64.2	67.6	69.8	66.5	13-14	68.0	64.9	67.3
63.7	64.9	58.0	64.6	66.5	67.7	68.4	67.5	67.1	68.7	65.9	63.6	68.0	68.4	67.8	74.7	67.1	64.5	66.2	66.2	66.8	66.4	69.4	67.8	64.6	66.8	71.8	72.9	14-15	68.4	65.7	67.7
63.3	65.7	68.8	64.0	67.1	67.6	67.4	67.6	68.7	66.4	63.3	64.5	68.4	67.4	72.2	71.8	67.0	66.1	67.4	68.5	68.7	67.5	66.0	66.4	65.9	67.0	66.8	76.7	15-16	68.7	66.1	68.1
64.4	66.0	79.4	62.5	67.3	68.6	65.7	66.5	67.4	66.8	63.5	66.8	65.4	66.2	69.4	72.7	66.7	64.8	67.3	67.1	67.7	66.2	65.7	68.0	64.7	67.2	66.1	77.8	16-17	68.5	69.0	68.6
63.7	64.6	82.1	63.4	64.0	67.7	65.2	67.5	66.3	68.2	65.0	65.1	65.0	65.6	66.2	75.6	65.7	65.1	67.2	65.7	67.1	67.6	66.5	66.0	64.6	66.7	68.7	76.9	17-18	67.8	70.8	68.9
62.6	65.4	56.8	63.4	63.9	64.3	64.8	66.4	65.8	65.0	64.0	66.6	64.5	65.0	66.4	72.3	66.0	65.0	67.3	66.1	65.8	66.5	66.9	67.3	64.4	67.3	67.6	69.7	18-19	67.2	64.2	66.5
63.1	65.2	51.3	64.4	64.8	66.4	63.5	65.0	64.9	64.4	63.9	64.1	63.7	64.4	65.2	72.0	64.4	64.0	64.4	65.9	64.9	65.3	76.0	65.7	66.0	65.1	66.0	64.9	19-20	66.1	63.9	65.6
63.5	61.4	53.0	61.8	61.0	62.1	65.6	60.9	63.0	66.1	63.4	63.0	64.3	69.1	63.3	66.8	63.8	63.2	64.4	65.0	64.0	64.1	70.5	65.2	65.5	62.2	64.6	61.1	20-21	63.7	62.9	63.4
63.3	60.2	52.6	61.0	59.3	61.7	60.3	61.3	63.0	61.3	61.8	60.4	61.4	71.0	62.3	64.7	61.8	60.9	59.0	63.1	60.5	62.0	63.2	62.7	67.4	62.7	61.4	62.4	21-22	62.2	61.4	62.0
62.4	59.1	48.4	59.6	59.9	58.9	58.4	60.3	60.7	62.3	58.7	62.9	59.2	66.8	60.9	62.1	60.3	59.8	59.8	61.6	62.6	61.0	63.4	60.5	64.9	60.4	61.0	56.4	22-23	60.3	59.7	60.1
57.4	56.2	44.4	56.5	55.1	58.3	57.9	57.8	61.0	61.4	57.2	60.1	57.2	63.7	59.7	60.3	59.4	57.0	58.5	59.1	55.5	60.5	69.4	61.4	59.8	58.8	58.7	52.0	23-24	59.4	57.4	58.9
63.9	65.9	76.8	62.2	66.7	67.8	67.5	67.4	71.7	66.2	64.8	64.7	69.7	68.4	70.2	71.6	68.5	63.9	67.6	67.3	67.7	67.0	67.3	66.6	64.4	67.4	69.7	72.8	$\Sigma_{Day}$	68.4	67.4	68.1
63.1	62.1	51.7	62.1	61.9	63.2	62.8	62.3	63.1	63.9	62.4	62.8	62.6	68.5	63.2	68.0	62.9	62.7	62.6	64.2	63.3	63.4	71.4	64.0	66.0	62.9	63.8	62.1	$\Sigma_{Evening}$	63.6	62.2	63.2
57.0	59.0	57.9	51.7	58.7	60.2	58.9	59.8	60.5	59.4	58.8	57.9	59.0	60.5	63.8	59.5	58.7	56.7	60.3	59.6	60.4	61.8	64.0	64.6	57.6	60.9	60.0	59.5	$\Sigma_{Night}$	60.1	57.9	59.6
66.0	67.4	74.2	63.4	67.5	68.8	68.1	68.4	70.9	68.0	66.9	66.6	69.2	70.4	71.6	71.3	68.5	65.8	68.7	68.5	68.9	69.4	72.6	71.2	67.3	69.0	69.7	71.3	$\Sigma_{DEN}$	69.1	67.6	68.7



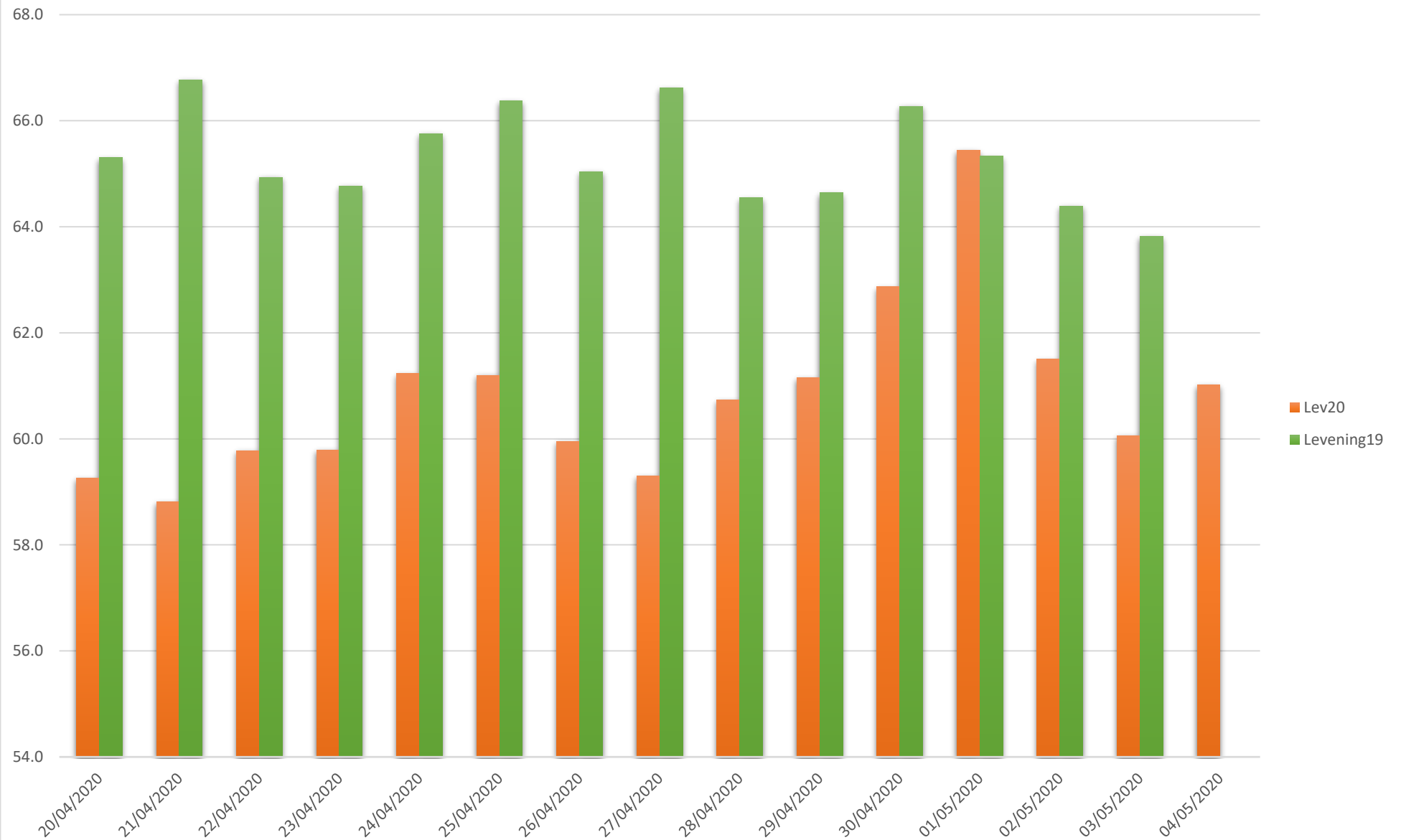


### 0311 Corrélation Phase 1 Ind

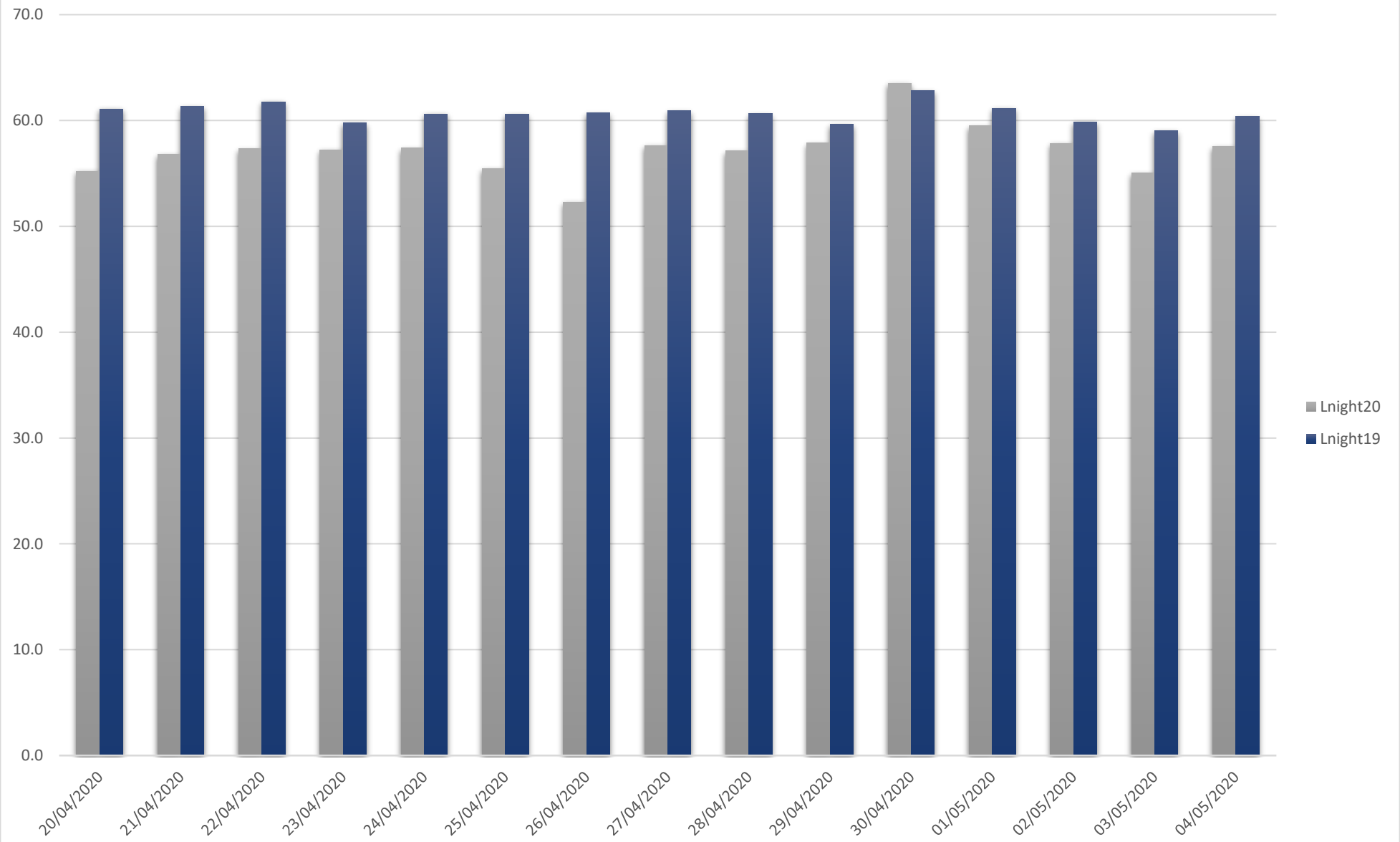




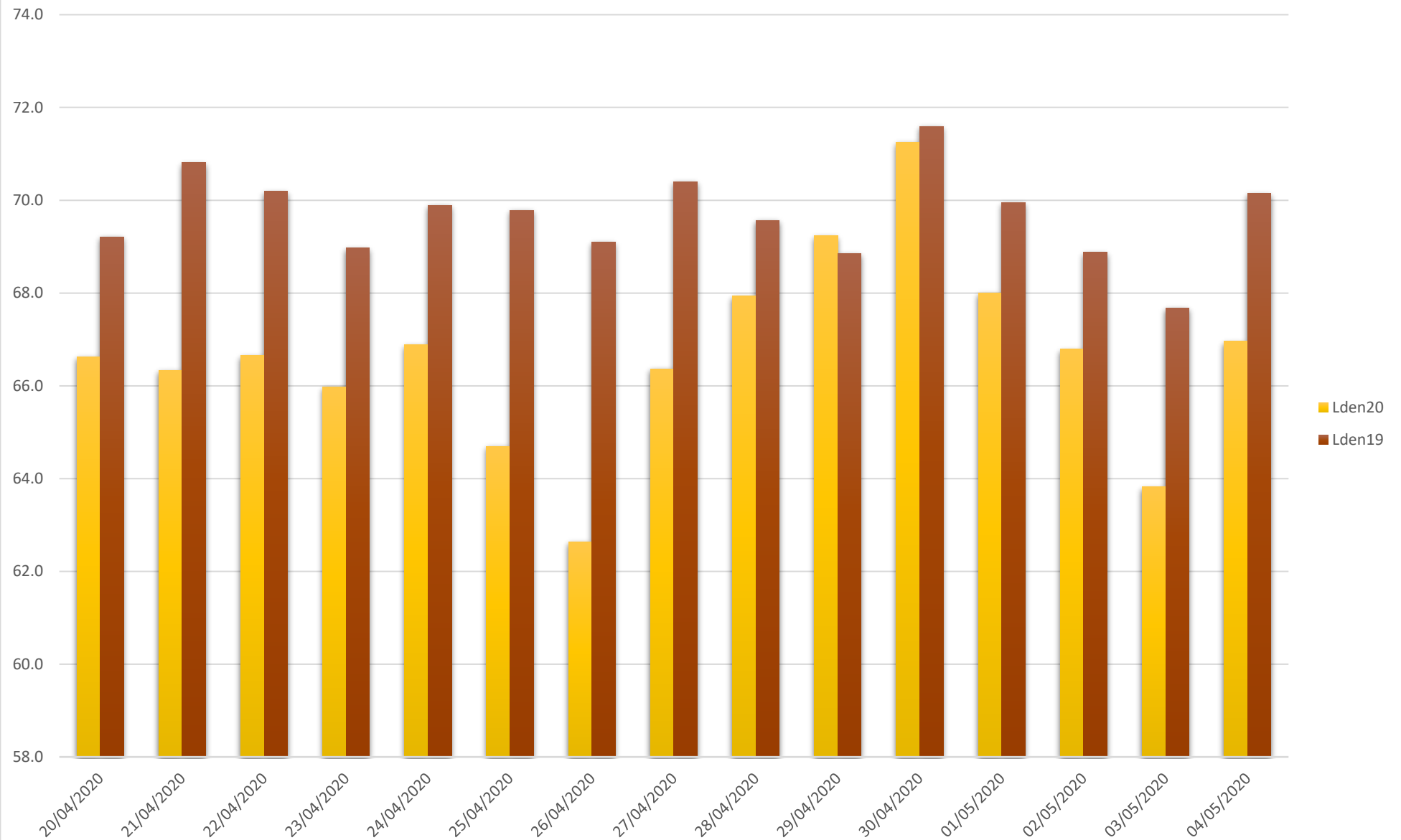
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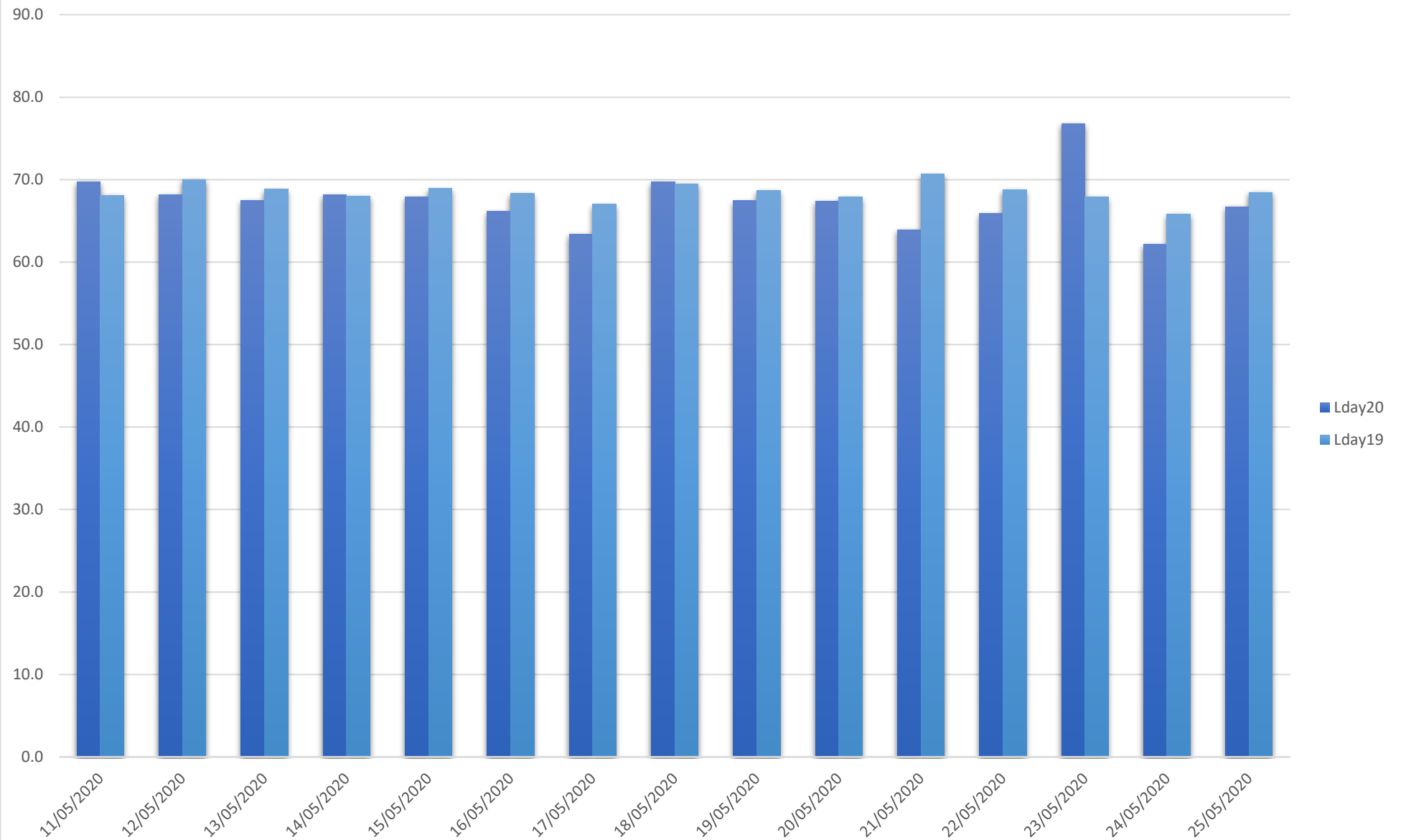
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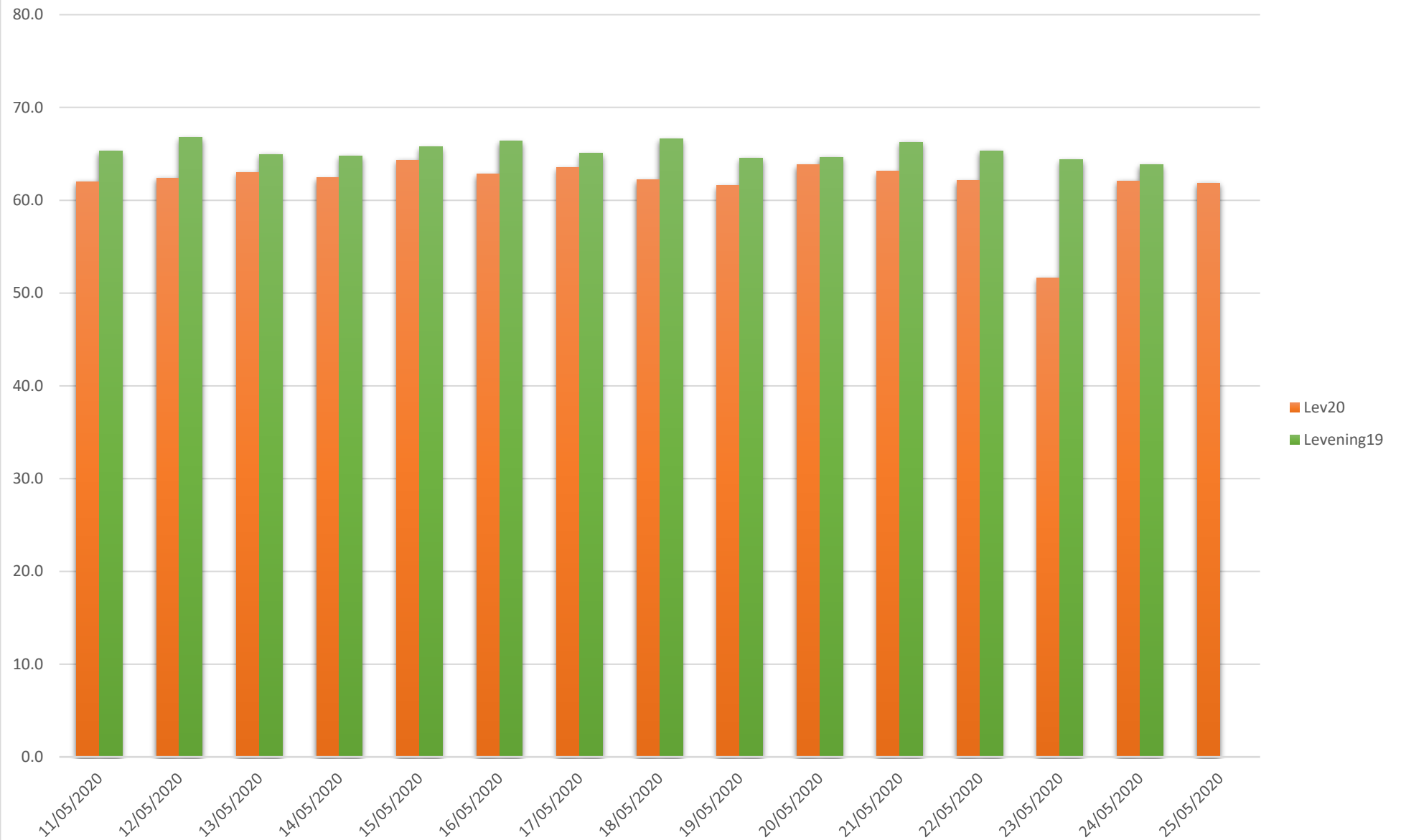
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### 0311 Corrélation Phase 2 Ind

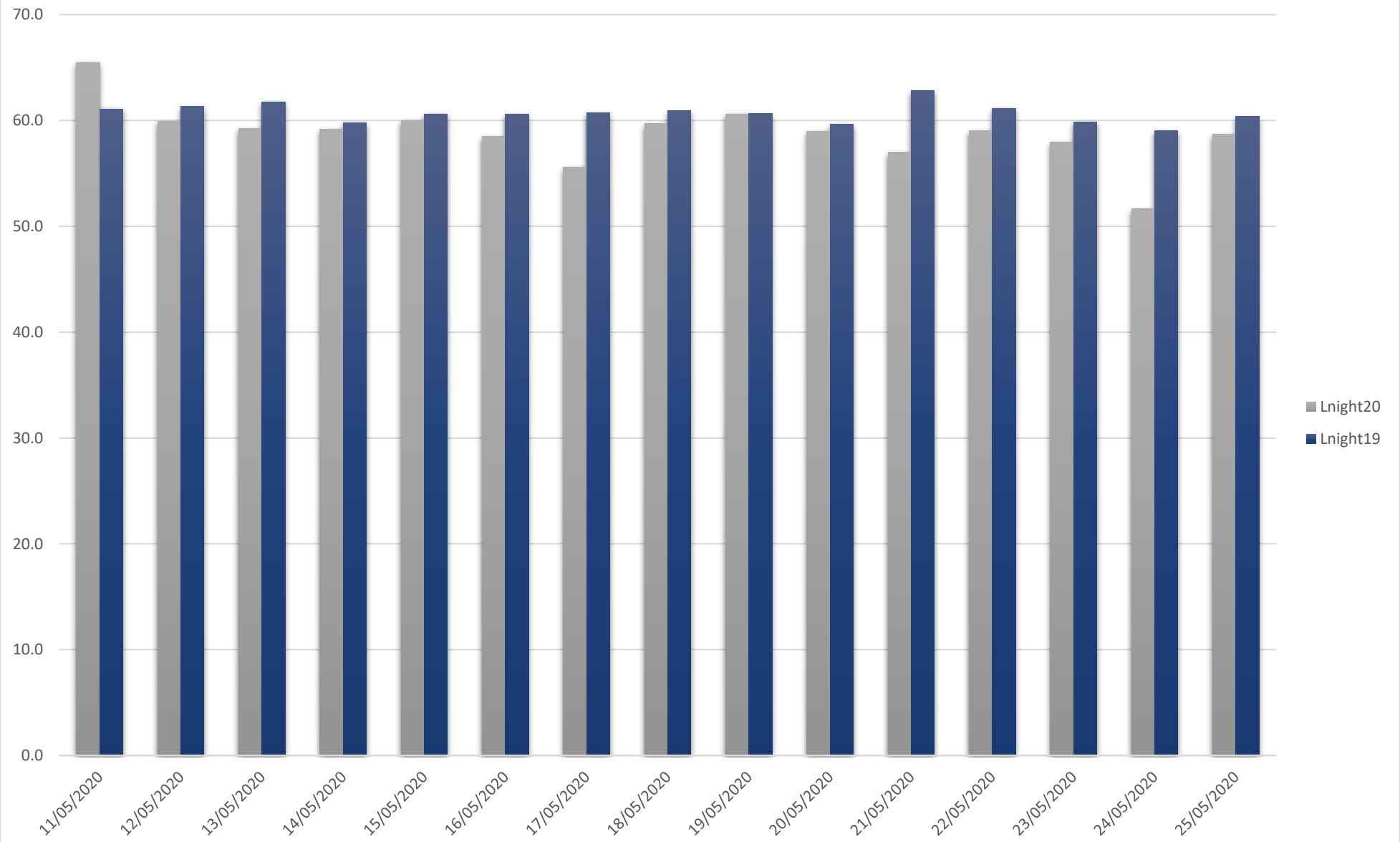


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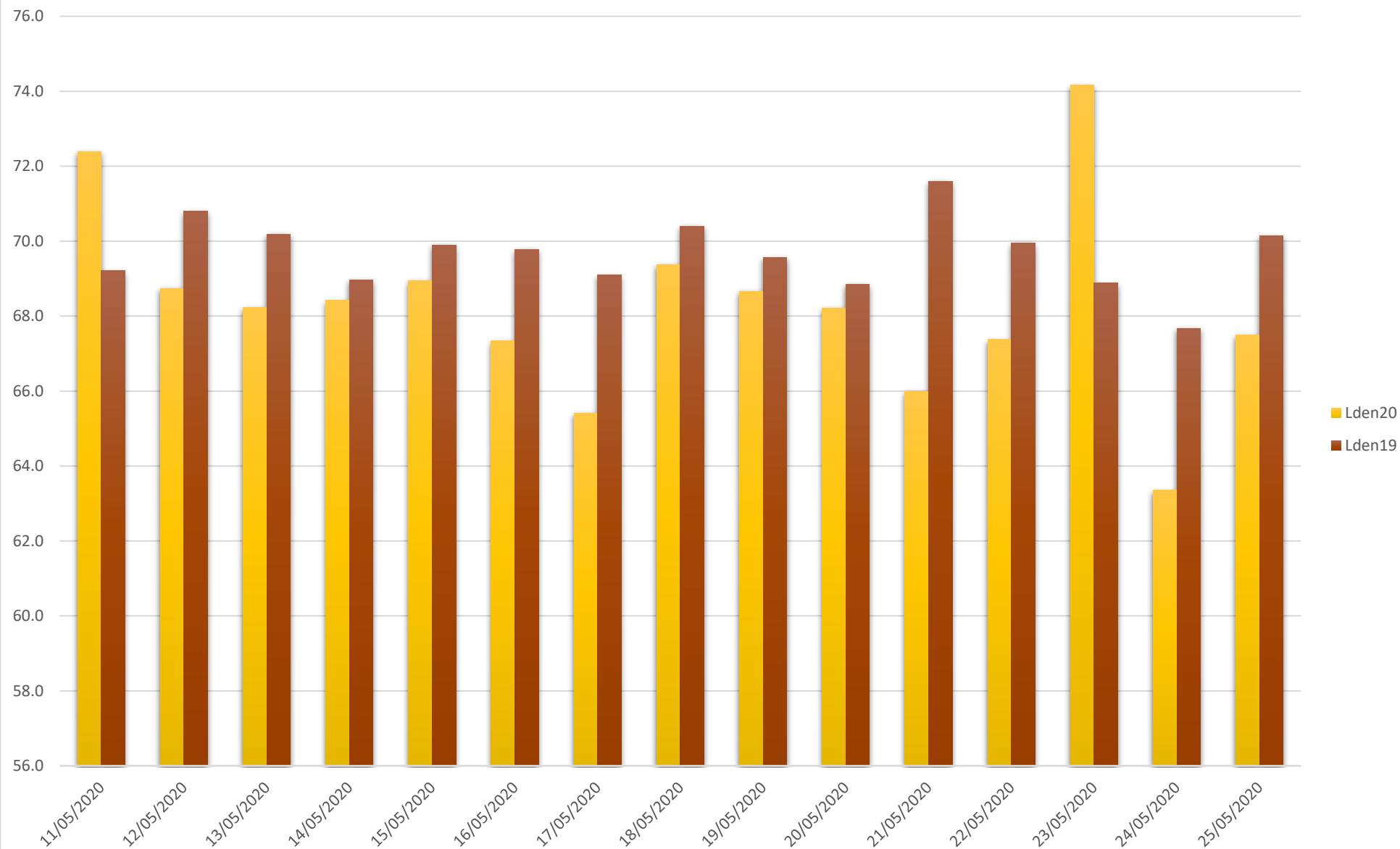




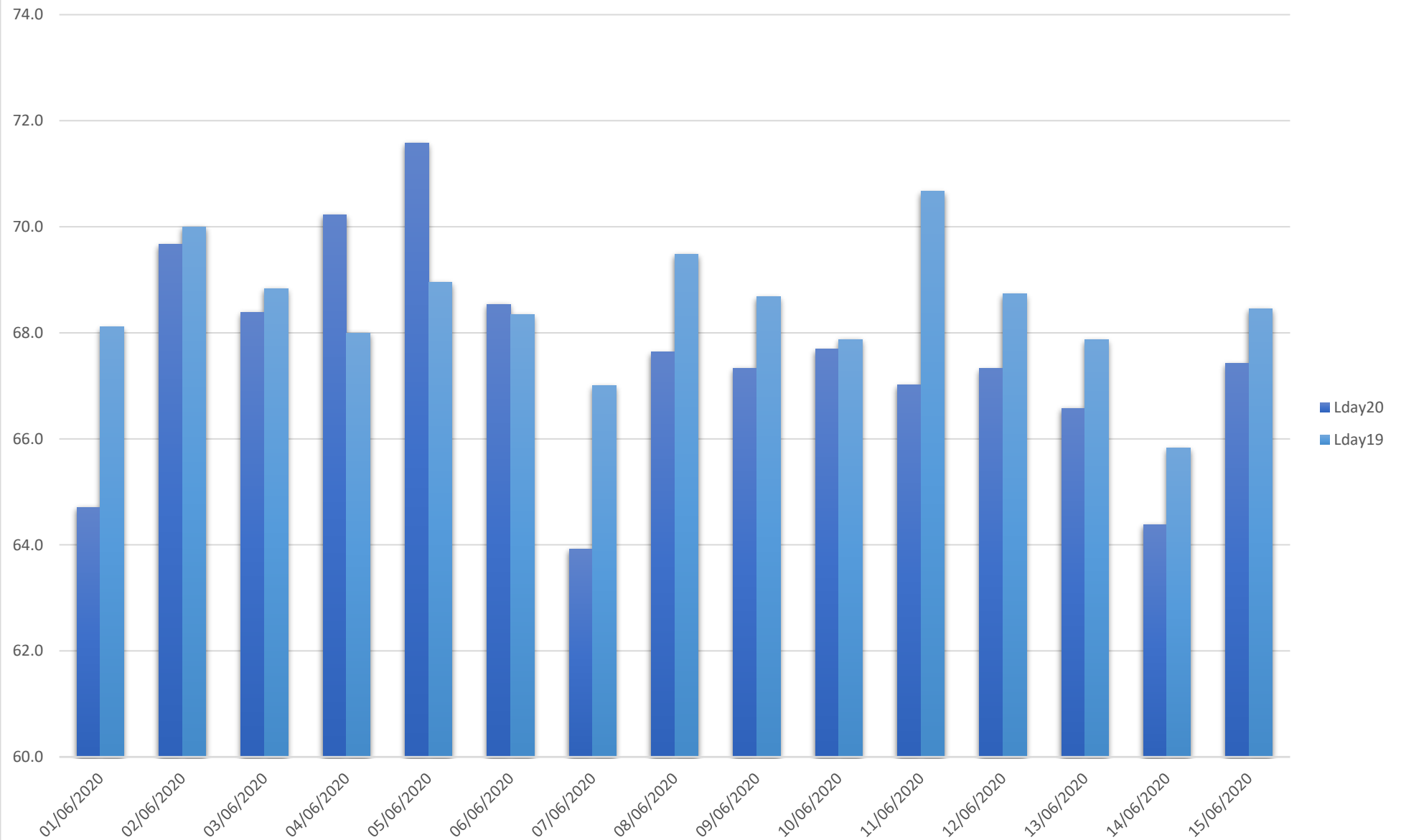
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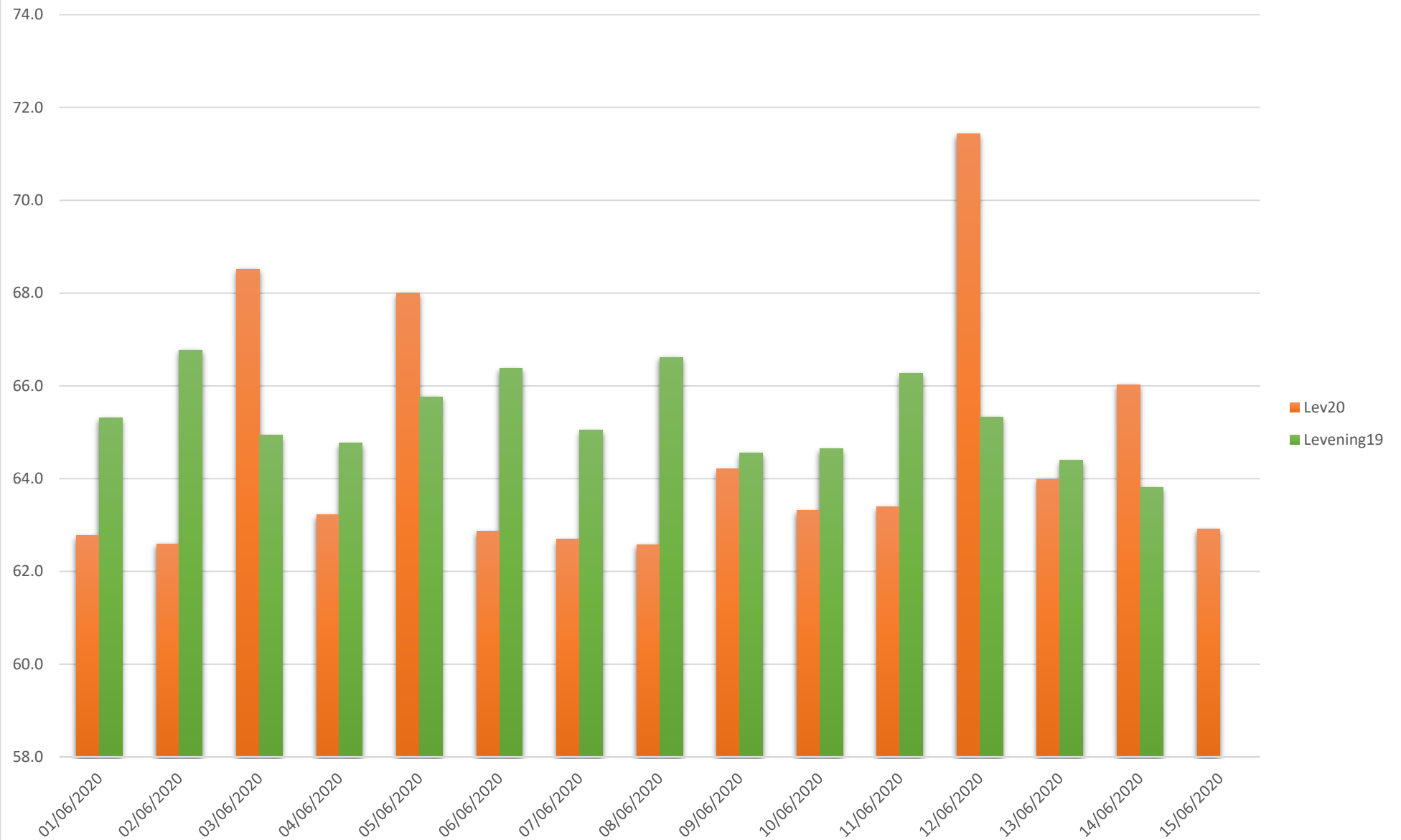
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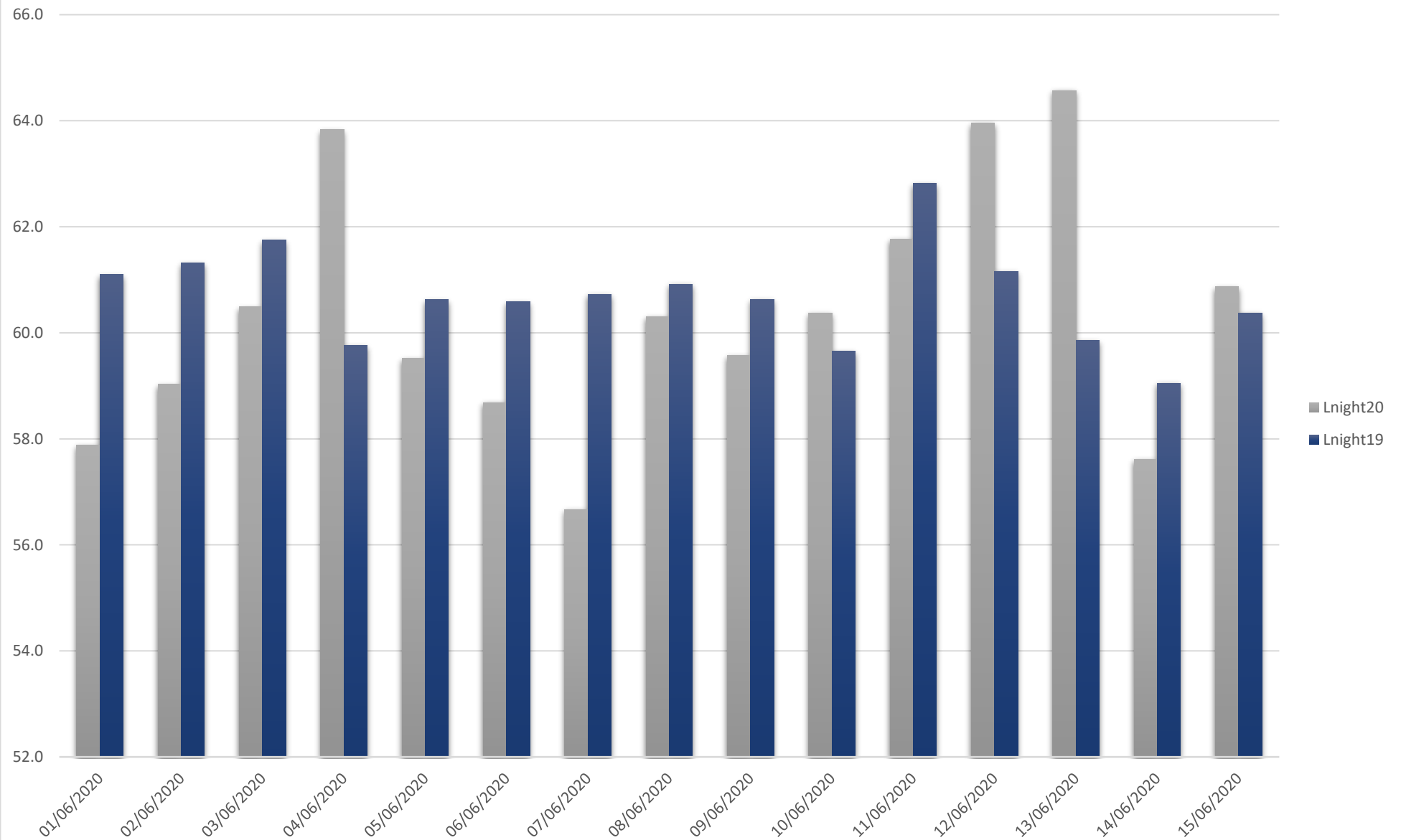
### 0311 Corrélation Phase 3 Ind



### 0311 Corrélation Phase 3 Ind

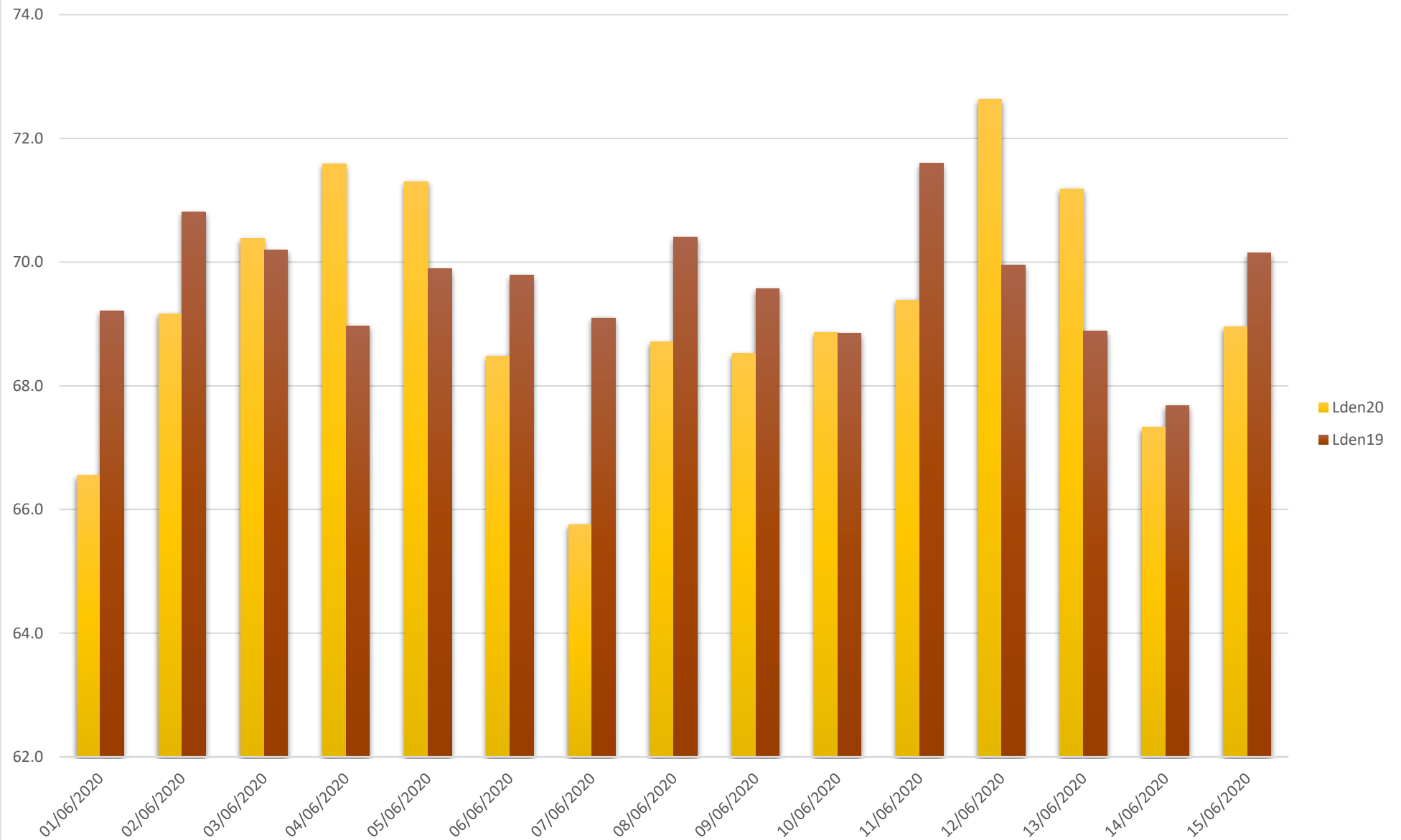



### 0311 Corrélation Phase 3 Ind





### 0311 Corrélation Phase 3 Ind

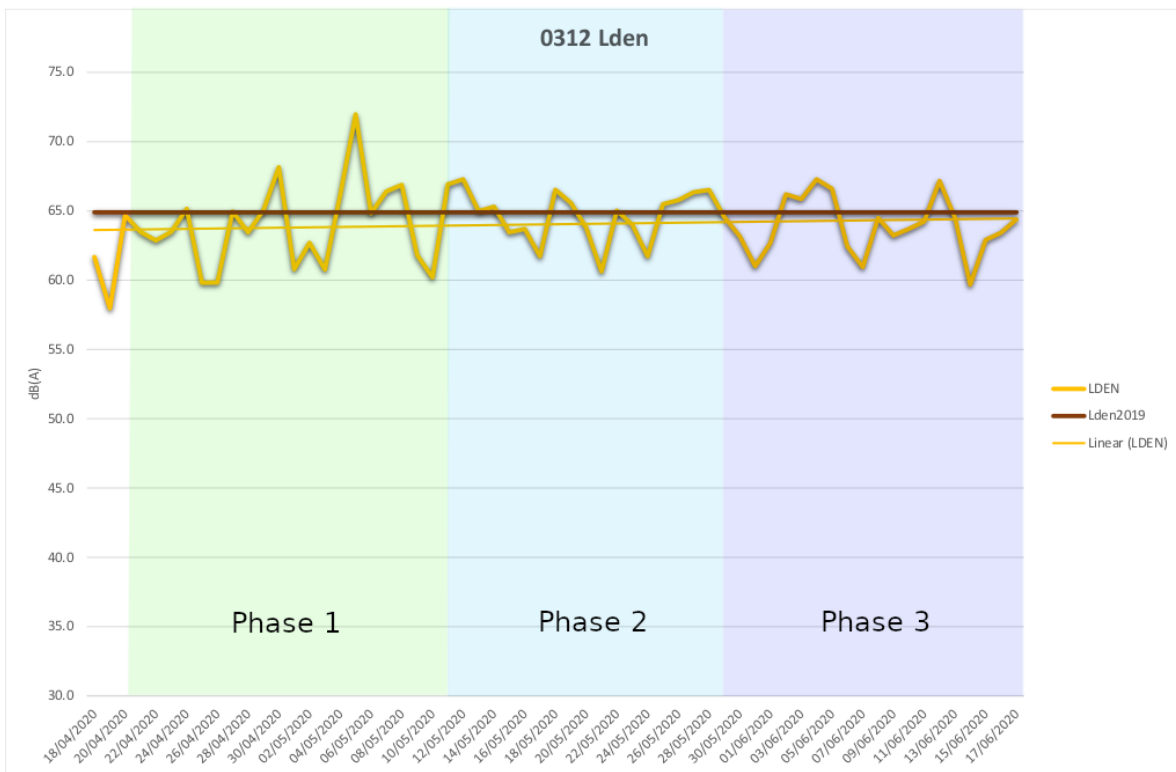
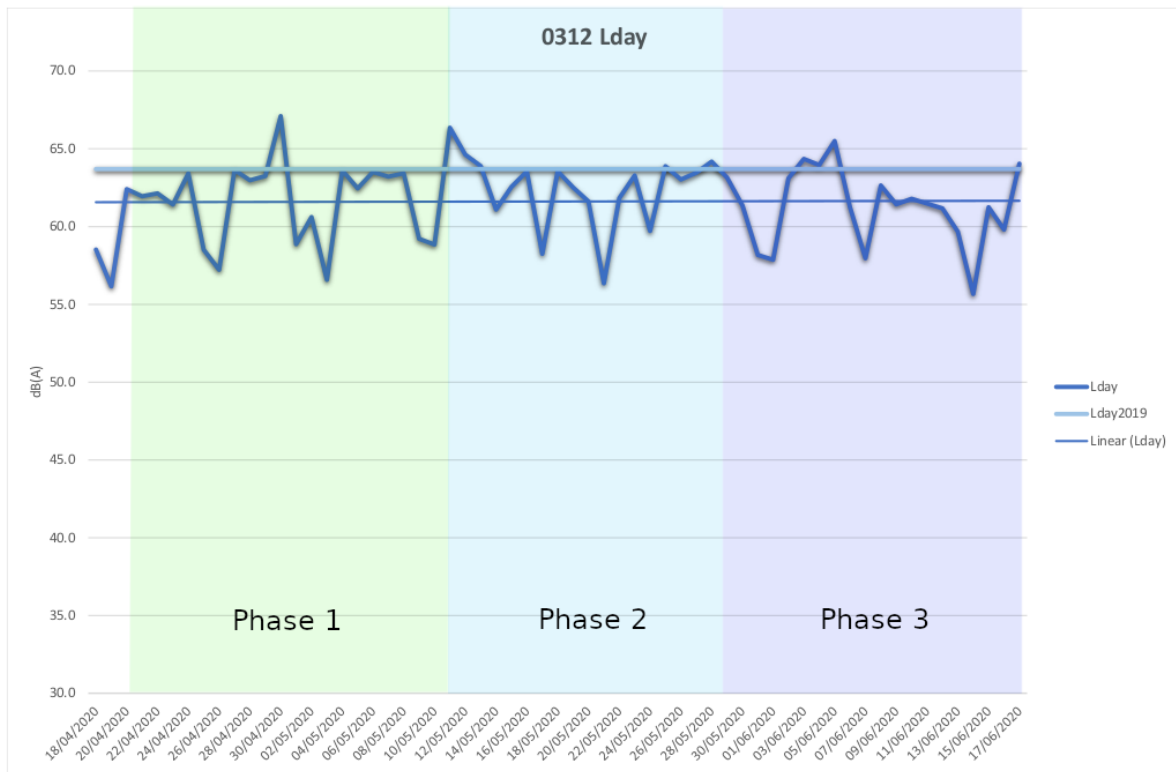


 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	1 / 1
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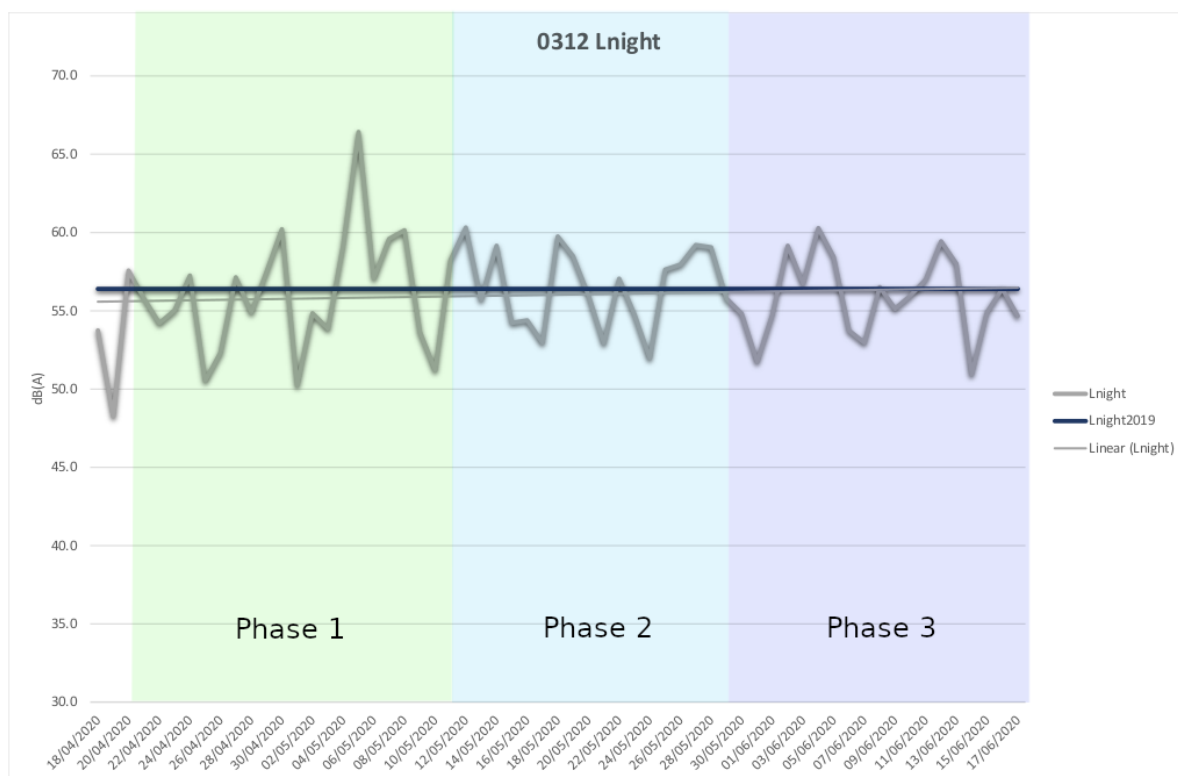
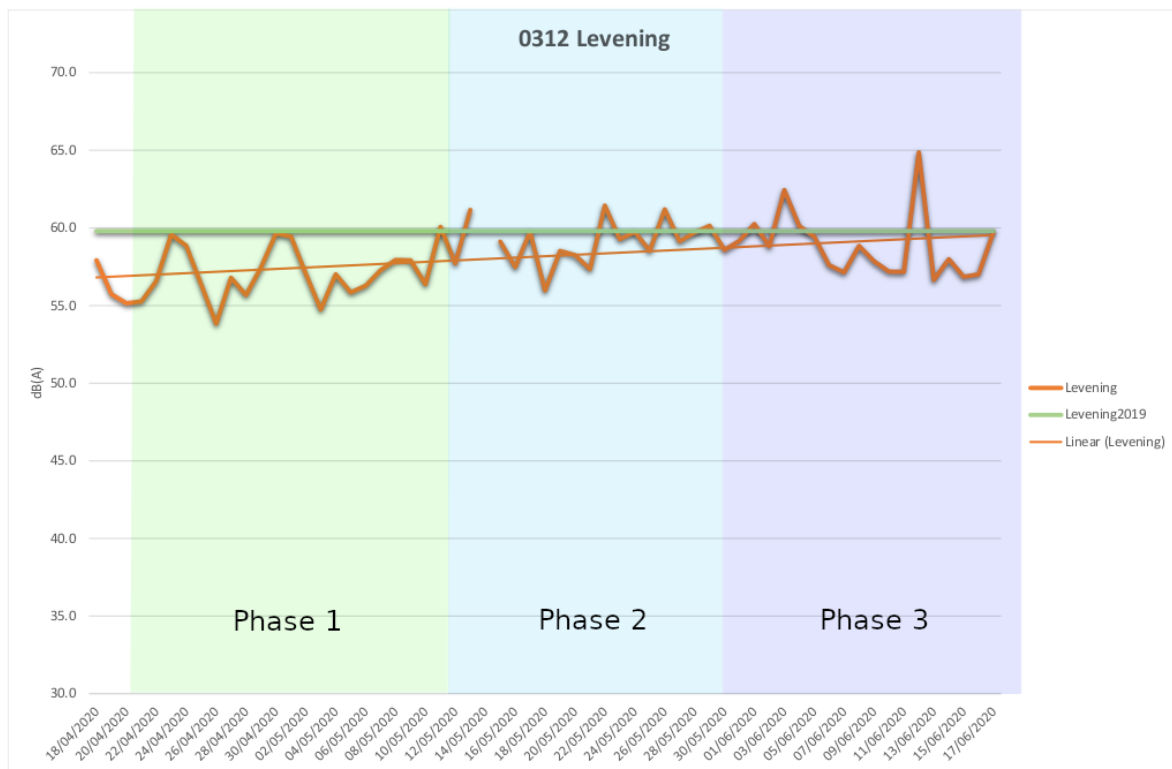
Point ID:	0312 (Luxe_040)		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Luxembourg		
Address:	rue de Cessange 113		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	75721 E	73253 N	271.20
<b>Measurements</b>			
Start:	17/04/20 16:50		
Finish:	18/06/20 08:30		
<b>Point description</b>			
Microphone height:	4.20		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

UTC+02:00																																		
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020	
Heure		43.6	43.6	49.5	54.8	53.3	44.3	44.1	52.9	44.6	44.8	54.8	51.4	55.0	49.0	54.9	49.8	47.2	57.5	45.0	55.4	56.1	44.7	48.6	45.3	46.9		47.1	48.4	44.9	44.0	49.6	50.6	
0-1		43.5	47.5	47.9	48.7	49.6	44.2	44.1	44.2	44.7	44.5	44.9	50.2	51.6	46.3	51.0	44.3	43.6	45.5	45.1	56.5	48.3	48.1	48.4	49.5	47.3		49.2	50.4	50.4	50.0	44.2	49.7	
1-2		45.1	45.3	44.0	43.9	50.7	44.2	49.6	44.4	44.5	44.7	45.4	53.4	45.8	56.3	49.9	48.3	44.1	50.3	44.6	44.6	52.3	49.1	44.3	52.4	45.1	43.7	47.3	44.1	44.7	43.9	48.2	51.3	
2-3		58.7	55.3	44.0	56.3	52.4	54.4	44.9	57.2	44.9	53.7	44.6	45.5	49.9	45.7	44.4	48.4	44.3	44.8	46.4	51.6	48.4	44.7	45.2	49.7	47.7	51.1	58.0	46.9	44.7	45.5	53.0		
3-4		58.7	55.3	44.0	56.3	52.4	54.4	44.9	57.2	44.9	53.7	44.6	45.5	49.9	45.7	44.4	48.4	44.3	44.8	46.4	51.6	48.4	44.7	45.2	49.7	47.7	51.1	58.0	46.9	44.7	45.5	53.0		
4-5		49.3	54.9	46.9	49.2	52.9	52.4	46.7	46.8	49.3	46.9	49.6	47.1	46.7	45.2	48.0	75.2	47.9	47.7	46.6	45.7	46.5	51.5	45.1	45.6	46.0	49.0	52.1	47.9	50.7	53.9	48.2	55.0	
5-6		57.7	52.1	55.3	55.9	55.8	52.8	48.3	58.0	57.4	59.3	54.7	51.4	48.8	47.3	54.5	54.7	53.0	57.6	55.9	48.3	49.3	60.4	63.4	57.2	58.1	49.0	56.2	47.4	55.1	58.9	52.7	49.2	
6-7		64.8	63.2	61.5	60.6	62.3	50.1	46.9	64.9	60.7	65.3	67.5	47.6	62.2	47.7	67.4	62.1	65.4	67.7	68.7	57.0	47.2	65.8	67.3	63.0	67.5	61.4	59.0	53.7	68.3	66.3	63.8	47.2	
7-8		68.1	61.4	63.3	62.6	64.2	56.8	53.1	65.4	62.9	64.3	68.6	59.1	52.9	45.9	64.0	66.1	66.0	64.1	65.9	50.5	57.8	71.0	67.3	67.0	65.3	66.0	63.9	52.3	65.7	62.7	60.8	52.5	
8-9		60.8	64.2	61.0	62.0	65.2	56.7	53.9	64.7	63.1	62.0	70.9	56.2	59.7	54.7	63.3	63.9	63.3	64.9	65.5	57.6	55.0	65.3	63.0	63.1	64.0	62.0	60.2	55.0	65.8	63.6	62.4	51.9	
9-10		59.5	61.1	61.2	62.0	60.4	58.5	55.5	62.8	63.5	64.2	69.5	58.9	60.6	58.6	65.5	59.9	61.3	60.4	63.7	61.4	54.0	66.7	65.1	62.0	61.9	62.4	60.9	55.3	64.5	61.9	61.1	56.4	
10-11		60.6	61.1	60.6	58.7	59.7	60.0	53.0	63.7	60.0	64.3	67.0	60.7	62.7	52.0	62.4	62.1	60.1	61.8	62.4	62.4	57.8	62.6	64.8	62.7	65.3	59.6	61.5	60.0	64.4	64.5	59.9	55.4	
11-12		61.3	62.8	61.6	59.6	62.2	60.3	58.8	60.2	64.8	61.2	65.5	61.0	60.8	54.2	64.0	62.3	66.8	61.9	61.3	60.1	56.1	66.2	62.4	62.2	63.4	63.1	62.1	60.4	60.0	59.6	63.8	56.7	
12-13		61.2	62.0	60.7	62.5	62.4	59.3	57.3	57.7	64.5	65.1	63.2	58.0	59.9	58.3	62.9	61.4	64.3	60.3	61.1	58.1	58.7	68.0	62.0	61.9	63.0	60.9	61.7	59.2	61.7	62.2	61.2	55.1	
13-14		60.9	61.9	62.9	58.4	60.9	57.8	59.3	63.7	64.8	63.0	62.0	60.1	58.8	51.4	63.9	62.1	63.0	61.9	62.6	58.1	55.3	65.1	65.7	64.8	56.0	61.6	69.1	60.9	64.8	63.1	62.3	57.0	
14-15		59.3	62.0	63.5	61.3	61.2	58.4	57.3	62.4	63.3	60.6	66.3	60.9	63.3	59.9	63.6	63.1	61.3	65.5	61.6	55.8	61.8	64.9	64.7	63.5	60.3	63.5	58.0	61.3	61.6	60.9	58.3		
15-16		61.0	59.9	60.2	62.9	67.7	57.7	54.3	63.6	61.8	66.0	66.4	55.1	61.5	58.5	62.2	59.9	62.4	63.7	64.9	61.0	60.2	64.8	60.4	64.6		60.3	62.3	57.5	61.8	60.5	62.6	57.3	
16-17		63.8	63.8	64.6	59.9	65.7	58.8	61.9	65.8	62.4	61.8	68.3	57.5	60.8	56.8	64.7	60.6	64.9	64.6	63.6	57.7	56.1	63.9	66.2	65.9		62.5	60.3	57.9	65.5	62.5	61.3	57.9	
17-18		62.3	59.4	62.8	63.0	63.0	60.4	56.9	66.5	61.5	61.3	65.5	54.8	59.9	55.2	63.3	61.8	63.1	63.2	63.3	59.5	55.7	66.9	65.8	62.9		64.6	63.7	59.2	62.0	63.3	60.7	57.9	
18-19		60.4	61.0	60.5	60.9	59.8	53.2	54.8	58.8	59.9	60.9	62.4	58.6	59.9	58.1	62.2	62.1	58.7	62.6	61.5	59.0	64.1	63.0	63.2	62.4		62.8	64.0	55.9	58.4	62.7	61.0	55.5	
19-20		54.8	56.6	59.5	60.7	62.5	57.2	53.7	58.2	55.7	60.5	60.4	63.6	55.3	55.6	61.2	58.3	56.8	59.7	59.9	58.4	56.3	62.7	60.7	63.5		61.2	59.4	59.6	58.4	59.3	59.8	59.4	
20-21		57.1	56.4	58.8	58.5	60.2	57.1	55.1	55.9	57.7	56.9	61.2	57.8	59.1	57.0	55.8	57.2	56.4	59.2	59.3	58.5	59.4	60.5	57.4	60.0		60.7	58.8	54.8	58.0	59.4	60.3	59.3	
21-22		55.6	52.9	46.9	62.0	51.2	57.8	53.9	57.9	56.4	55.8	57.8	52.8	57.5	53.3	51.1	54.8	54.0	55.2	55.4	59.8	54.8	58.0	49.9	61.1		55.4	56.2	63.7	52.3	58.9	56.0	50.9	
22-23		51.1	54.2	50.6	52.0	49.9	49.1	52.1	53.8	48.6	54.0	58.2	56.5	55.0	50.7	52.9	45.0	45.9	45.9	55.0	51.1	51.1	56.6	57.3	58.2		56.2	52.9	53.6	49.7	55.6	54.0	55.1	
23-24		47.2	45.6	50.6	50.4	61.4	49.6	59.5	49.3	44.7	48.2	62.4	50.1	51.0	60.6	52.4	44.1	52.0	45.2	55.6	55.8	49.0	49.1	59.3	50.3		57.1	57.1	56.0	50.2	51.1	54.5	57.6	
Σ <sub>Day</sub>		62.4	61.9	62.1	61.4	63.4	58.5	57.2	63.6	63.0	63.2	67.1	58.9	60.6	56.6	63.6	62.5	63.5	63.2	63.4	59.2	58.8	66.4	64.6	63.9		61.1	62.6	63.5	58.2	63.6	62.5	61.6	56.4
Σ <sub>Evening</sub>		55.1	55.3	56.6	59.6	58.9	56.4	53.8	56.8	55.7	57.5	59.6	59.5	57.1	54.8	57.0	55.8	56.3	57.3	57.9	57.9	56.4	60.1	57.7	61.2		59.1	57.5	59.8	56.0	58.5	58.2	57.3	
Σ <sub>Night</sub>		57.6	55.8	54.2	55.0	57.2	50.5	52.3	57.1	54.9	57.5	60.2	50.2	54.8	53.8	59.2	66.4	57.1	59.6	60.1	53.7	51.2	58.2	60.3	55.7		59.2	54.2	54.4	53.0	59.8	58.5	56.0	52.9
L <sub>DEN</sub>		64.7	63.5	62.9	63.5	65.2	59.8	59.8	65.0	63.4	65.1	68.2	60.8	62.7	60.8	66.2	72.0	64.8	66.4	66.9	61.8	60.2	66.9	67.3	65.0		65.3	63.7	61.7	66.5	63.8	60.6		

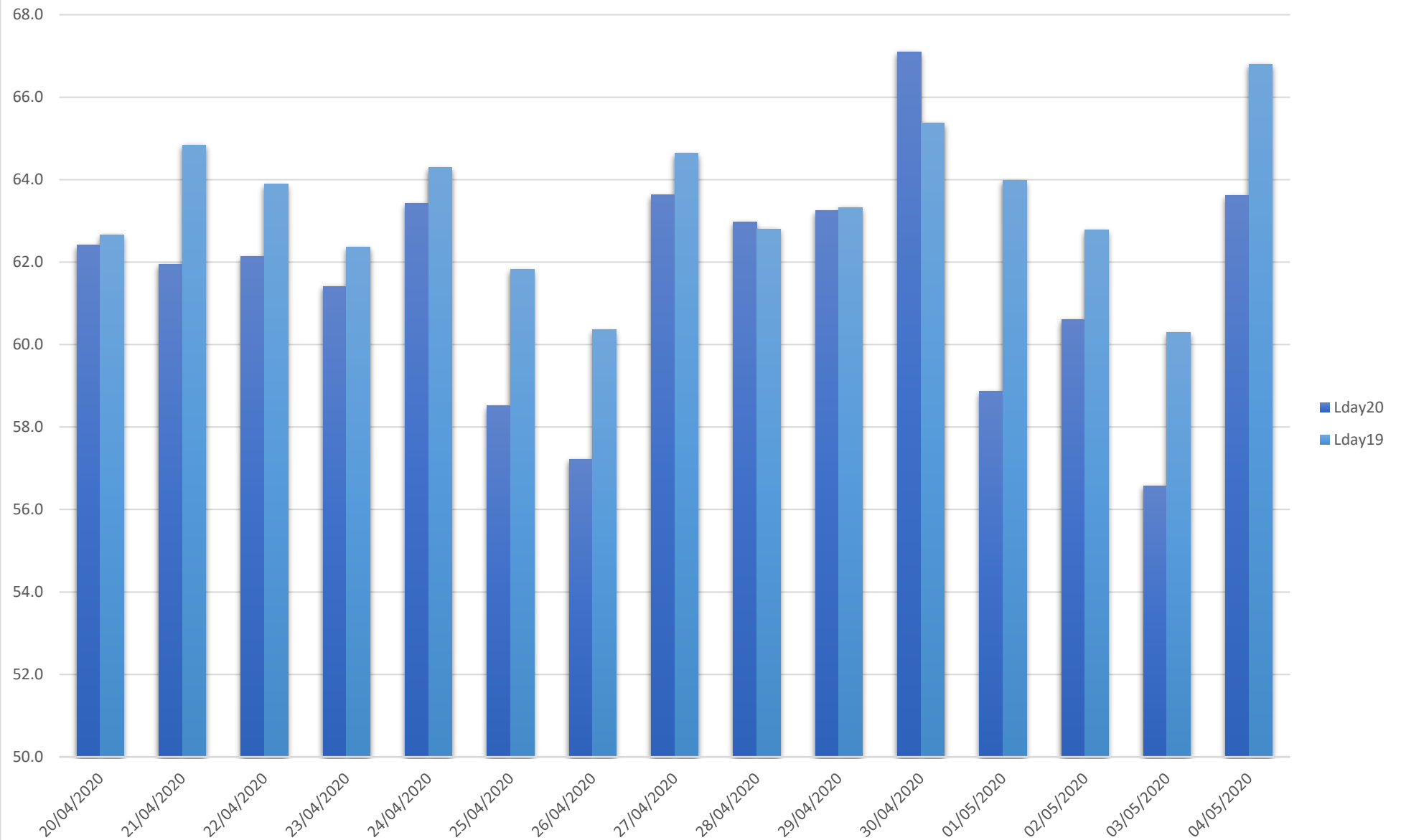
Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020	Heure	Semaine	Weekend	Sem.+Wk
44.8	53.1	56.6	44.7	44.8	53.4	47.1	50.1	55.1	55.0	61.5	51.3	47.4	56.4	51.6	54.6	54.9	49.4	43.8	53.4	50.6	52.5	61.7	55.6	47.6	49.4	50.5	0-1	51.8	54.7	52.9
51.5	56.4	45.7	48.2	48.8	49.8	51.4	45.5	52.7	49.0	50.8	47.6	49.6	54.5	53.4	44.6	54.2	44.2	43.3	48.8	51.0	49.0	63.2	50.1	44.2	49.4	44.0	1-2	48.8	53.8	51.0
51.3	53.1	49.4	44.2	44.7	55.6	50.1	45.1	44.9	55.4	54.6	44.1	43.8	49.2	49.1	55.3	44.3	45.0	50.4	52.6	44.8	47.8	57.4	46.4	45.3	46.8	44.3	2-3	48.7	52.3	50.1
49.8	46.1	44.9	48.4	44.9	45.4	44.6	44.8	54.2	45.1	47.9	50.5	52.3	56.8	48.1	50.4	50.4	49.9	46.6	44.8	53.4	52.2	48.0	52.8	44.7	43.8	46.9	3-4	50.8	51.3	51.0
48.2	56.6	52.4	48.3	53.8	51.3	51.7	55.1	48.4	48.1	48.8	51.0	53.1	57.3	51.2	56.5	50.5	46.4	47.2	49.1	52.1	48.9	50.5	47.5	49.2	46.4	47.7	4-5	59.5	50.8	58.2
57.4	50.5	49.0	58.9	56.3	54.4	54.9	57.4	52.7	52.6	50.5	55.9	54.5	59.2	57.1	52.6	55.1	52.7	56.3	53.3	53.1	56.1	48.0	47.3	50.4	51.3	50.0	5-6	56.4	51.3	55.4
63.2	58.6	54.3	65.4	66.1	67.2	67.0	62.6	59.6	50.4	47.0	67.4	64.3	67.3	66.0	51.8	54.2	64.6	61.7	62.8	64.7	66.1	53.8	45.2	63.1	64.7	62.7	6-7	65.1	55.5	63.7
60.1	60.5	56.7	65.9	65.7	63.6	66.9	67.4	58.3	48.9	55.6	62.6	66.9	63.6	65.1	61.8	56.6	63.4	62.4	63.1	60.7	61.9	55.7	50.1	63.7	62.5	60.1	7-8	64.9	57.2	63.7
62.1	63.9	57.4	63.8	62.2	64.6	64.0	63.3	62.7	56.7	55.4	63.7	62.8	64.5	62.6	61.9	56.5	64.5	60.3	62.5	62.4	60.2	59.9	50.8	61.7	61.3	61.9	8-9	63.6	58.6	62.6
61.5	65.1	60.5	66.1	62.2	62.2	63.5	61.2	61.6	58.6	56.5	62.0	66.7	62.6	62.6	58.8	56.0	62.1	60.7	60.2	62.2	60.2	60.2	54.6	59.5	57.8	58.2	9-10	62.8	59.6	62.1
59.9	64.9	58.0	64.3	63.0	63.1	64.1	61.1	62.2	58.0	56.2	63.9	63.3	63.1	63.4	59.1	58.0	64.8	61.8	63.0	61.2	59.8	61.4	54.8	58.6	58.3	60.4	10-11	62.4	60.0	61.8
63.4	64.6	59.3	61.6	61.6	66.0	63.6	62.2	63.6	57.8	60.5	61.3	65.8	66.7	62.2	62.8	56.3	62.8	61.5	60.0	62.0	59.4	60.9	56.2	59.5	57.6	61.0	11-12	62.8	60.2	62.1
61.6	64.2	59.8	62.4	63.2	64.2	62.5	64.2	62.1	59.6	59.2	63.5	63.5	63.5	63.7	60.1	60.2	60.8	61.9	61.7	60.2	60.4	61.5	56.1	61.3	60.2	64.1	12-13	62.5	59.9	61.9
60.6	60.2	59.1	64.9	61.3	63.4	67.2	61.2	62.5	59.8	56.7	60.5	63.5	64.6	67.0	60.8	57.6	62.2	60.1	61.4	62.6	61.5	58.6	55.6	62.1	58.6	60.8	13-14	62.8	60.8	62.3
59.7	58.8	62.4	64.9	62.8	63.1	61.8	61.9	61.4	59.5	56.5	62.6	62.1	62.1	67.3	63.8	57.0	61.4	60.5	61.6	61.9	62.5	60.5	57.2	60.8	59.5	62.5	14-15	62.6	60.6	62.1
60.4	61.9	59.4	62.2	63.1	60.9	65.4	62.8	59.7	58.4	57.1	63.7	62.7	62.7	65.7	61.3	60.7	60.6	58.2	61.3	61.0	61.1	58.6	58.3	62.0	59.9	66.9	15-16	62.9	59.7	62.1
62.6	59.5	61.7	63.5	65.1	63.3	62.0	64.4	60.0	59.6	58.9	65.3	66.2	65.3	67.1	59.6	57.4	64.7	64.9	61.9	61.5	63.5	59.1	56.9	61.3	60.5	67.9	16-17	64.2	59.2	63.2
64.0	65.9	60.1	62.8	62.9	63.2	62.7	62.0	59.2	56.1	57.2	64.7	62.5	64.1	67.3	60.3	57.6	61.4	61.0	62.1	60.8	61.2	58.3	56.9	63.0	59.5	67.2	17-18	63.2	59.9	62.5
63.2	63.1	58.7	60.6	60.1	61.6	61.9	60.6	59.8	57.7	60.3	60.0	61.2	61.9	66.9	61.5	58.7	59.0	60.2	61.6	60.6	60.4	58.1	54.1	57.9	59.5	64.7	18-19	61.4	59.7	61.0
62.2	60.9	60.6	59.7	58.3	57.8	60.1	62.6	59.4	60.4	59.7	60.2	62.4	62.3	63.1	58.2	57.3	61.4	57.6	59.2	59.4	66.7	58.5	58.2	59.1	58.5	62.2	19-20	60.8	58.3	60.2
60.3	59.0	61.0	58.7	59.1	60.5	61.2	59.0	59.0	61.1	61.0	58.9	65.3	59.4	59.4	58.5	57.2	57.5	58.8	56.5	58.5	65.9	58.2	59.3	56.2	56.4	60.7	20-21	59.6	58.5	59.3
59.5	58.6	60.6	59.3	65.2	57.1	60.0	54.6	58.1	56.5	62.6	58.2	60.2	61.3	53.5	57.5	57.7	59.0	57.5	56.0	55.6	62.6	54.7	59.1	56.3	58.2	59.2	21-22	58.2	58.0	58.1
62.9	58.0	53.1	55.1	56.9	60.2	55.9	60.9	57.6	56.8	53.6	57.5	59.3	53.0	55.9	55.8	56.1	55.3	57.4	56.1	51.4	62.8	52.8	52.8	54.3	53.0	51.2	22-23	56.4	55.2	56.1
59.7	53.4	50.9	52.5	50.9	53.9	57.8	50.3	56.6	48.6	54.4	54.2	54.4	57.1	56.7	55.4	52.2	52.9	56.3	56.6	53.4	62.9	56.6	51.8	49.3	49.9	51.1	23-24	55.4	55.6	55.5
61.8	63.3	59.7	63.9	63.0	63.5	64.2	63.1	61.4	58.2	57.9	63.1	64.3	63.9	65.5	61.2	58.0	62.6	61.4	61.8	61.5	61.2	59.7	55.7	61.2	59.8	64.0	Z <sub>Day</sub>	63.0	59.7	62.3
61.4	59.3	59.7	58.5	61.2	59.1	59.7	60.1	58.6	59.2	60.3	58.8	62.4	60.1	59.4	57.6	57.1	58.8	57.8	57.2	57.2	64.9	56.7	58.0	56.9	57.0	59.8	Z <sub>Evening</sub>	59.0	57.7	58.7
57.0	54.8	52.0	57.6	58.0	59.2	59.0	55.8	54.8	51.7	54.8	59.2	56.7	60.3	58.4	53.7	53.0	56.5	55.1	56.0	57.0	59.4	58.0	50.9	54.9	56.4	54.7	Z <sub>Night</sub>	58.2	53.5	57.3
65.0	64.0	61.7	65.5	65.8	66.3	66.5	64.5	63.2	61.0	62.7	66.2	65.9	67.3	66.6	62.4	60.9	64.5	63.2	63.7	64.2	67.2	64.5	59.7	62.9	63.4	64.4	L <sub>GEN</sub>	65.6	61.8	64.8



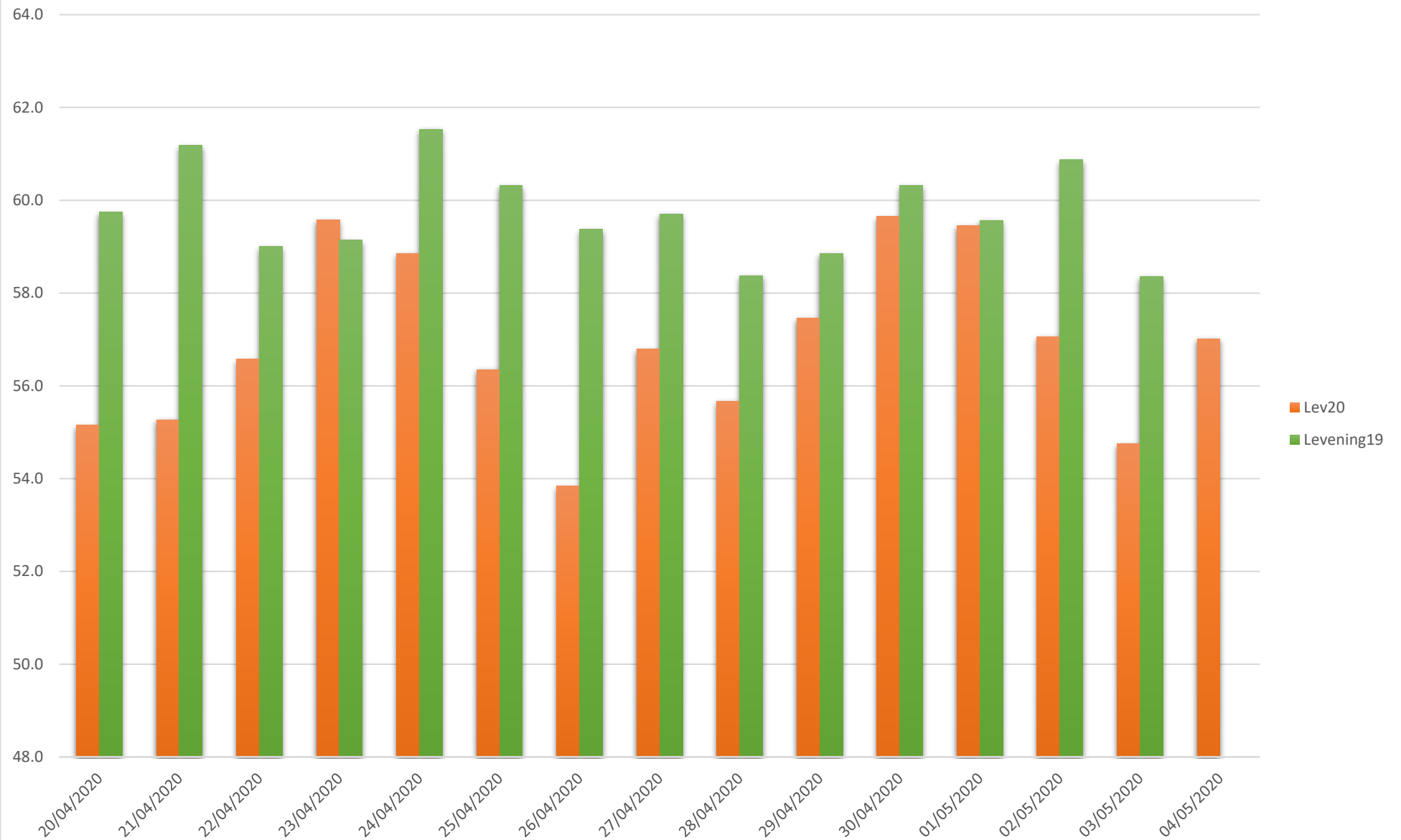




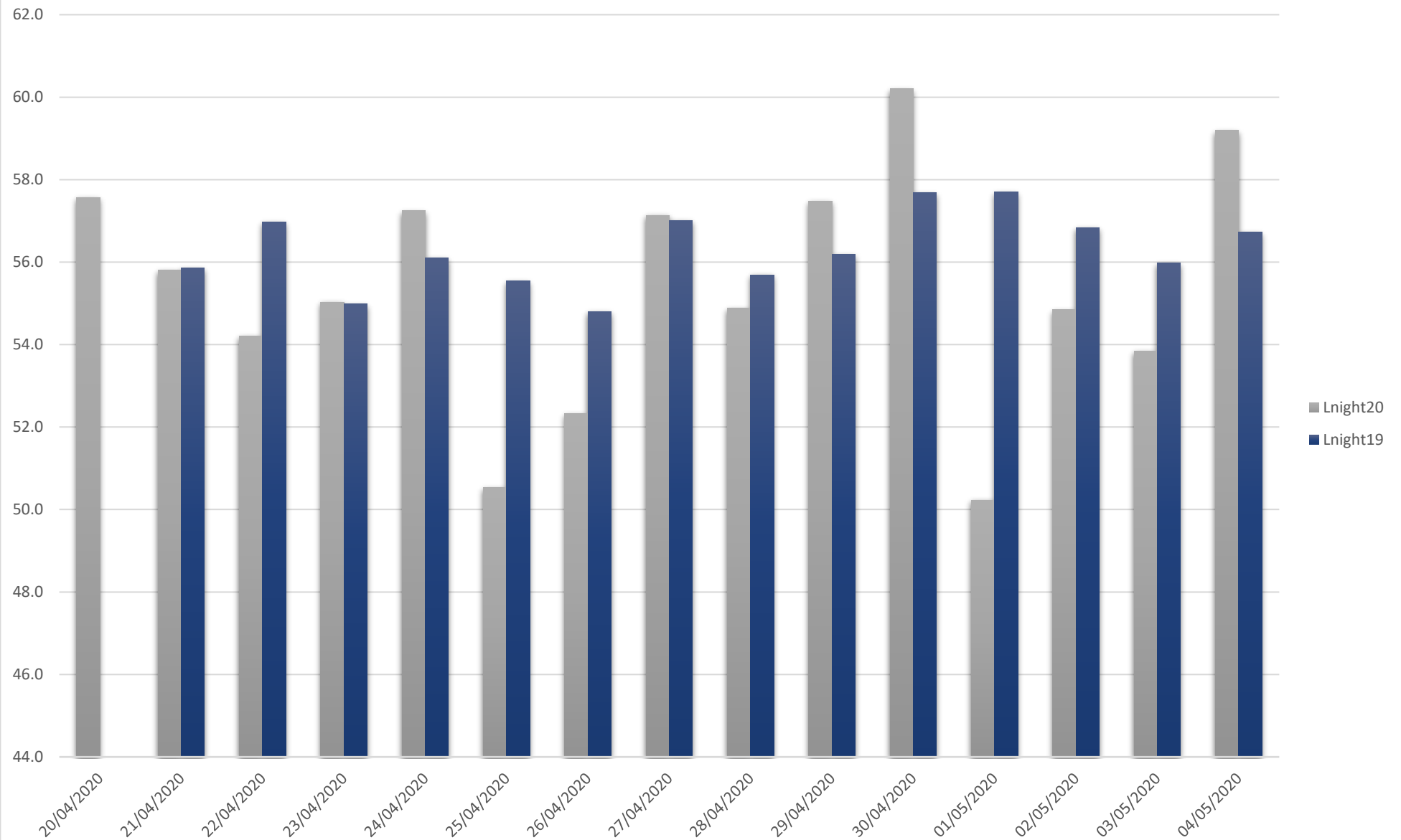
### 0312 Corrélation Phase 1 Ind



### 0312 Corrélation Phase 1 Ind

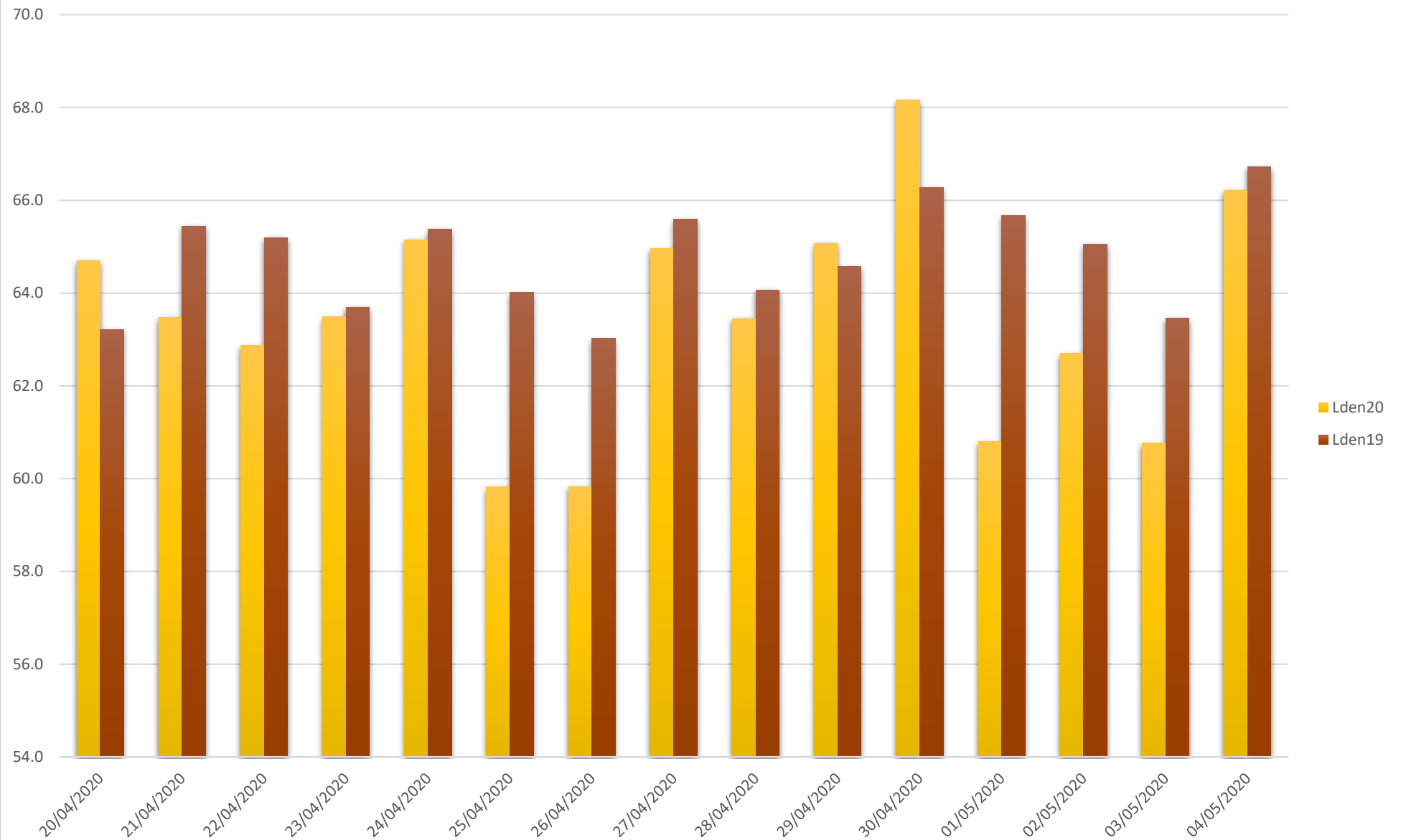


### 0312 Corrélation Phase 1 Ind

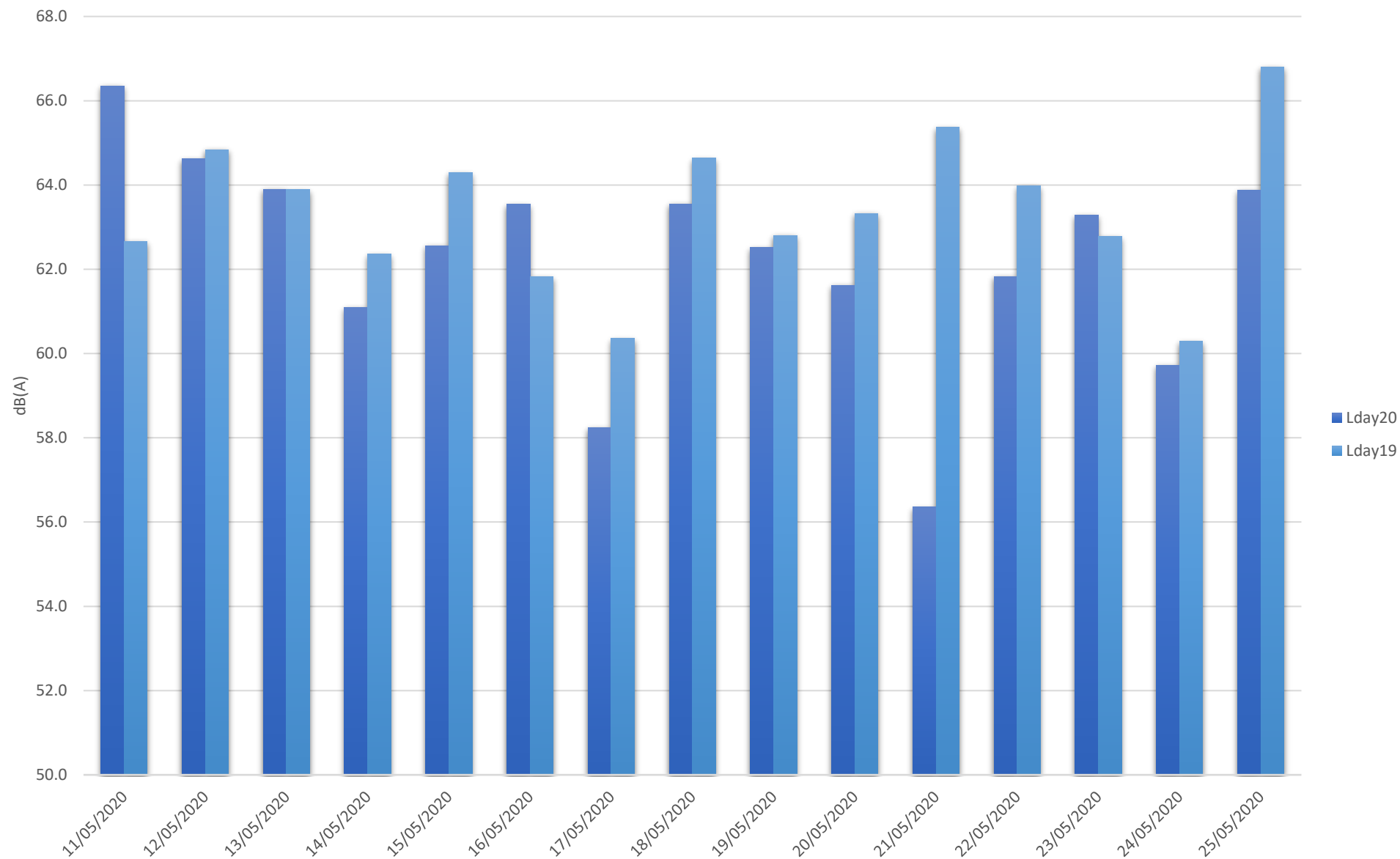




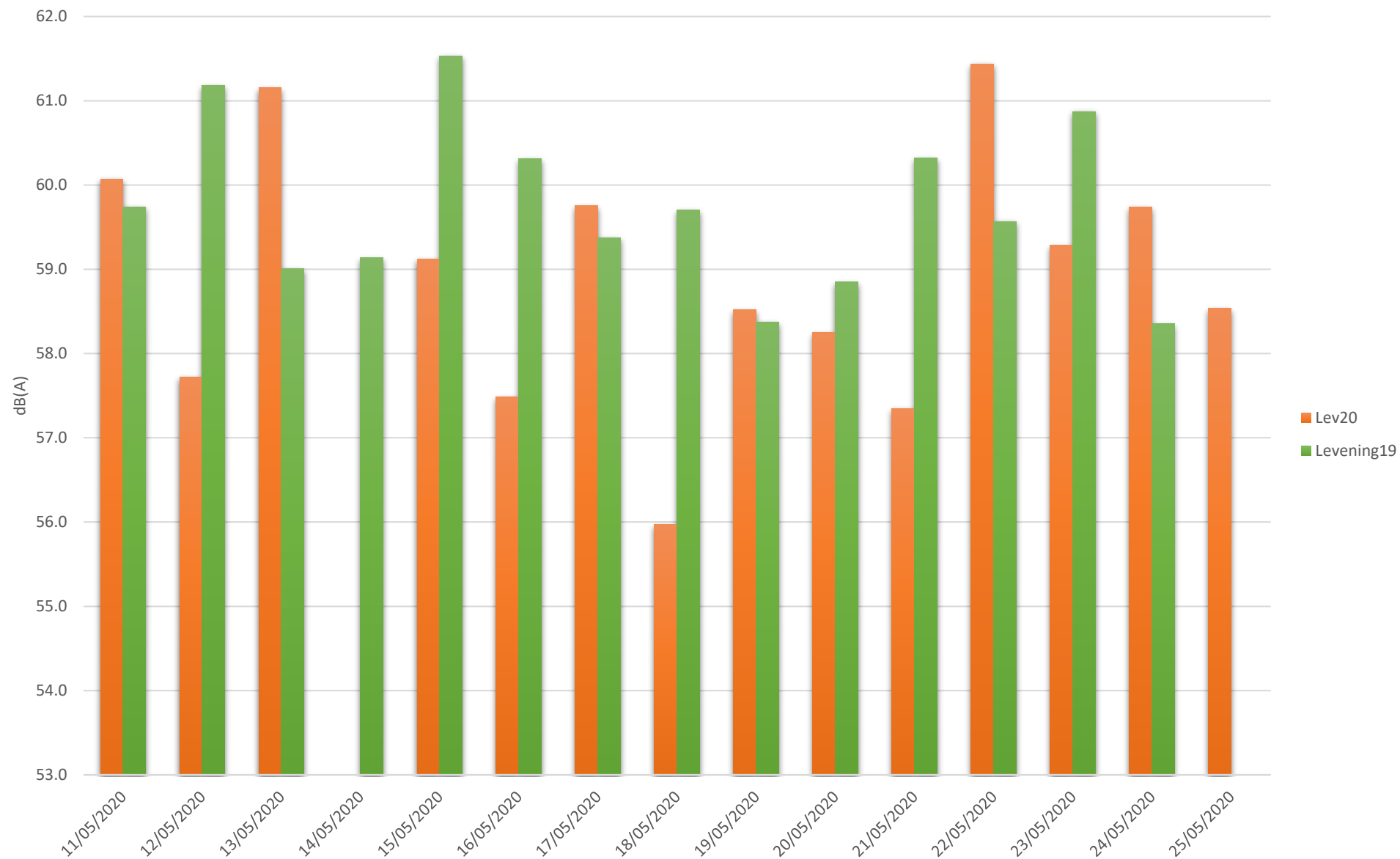
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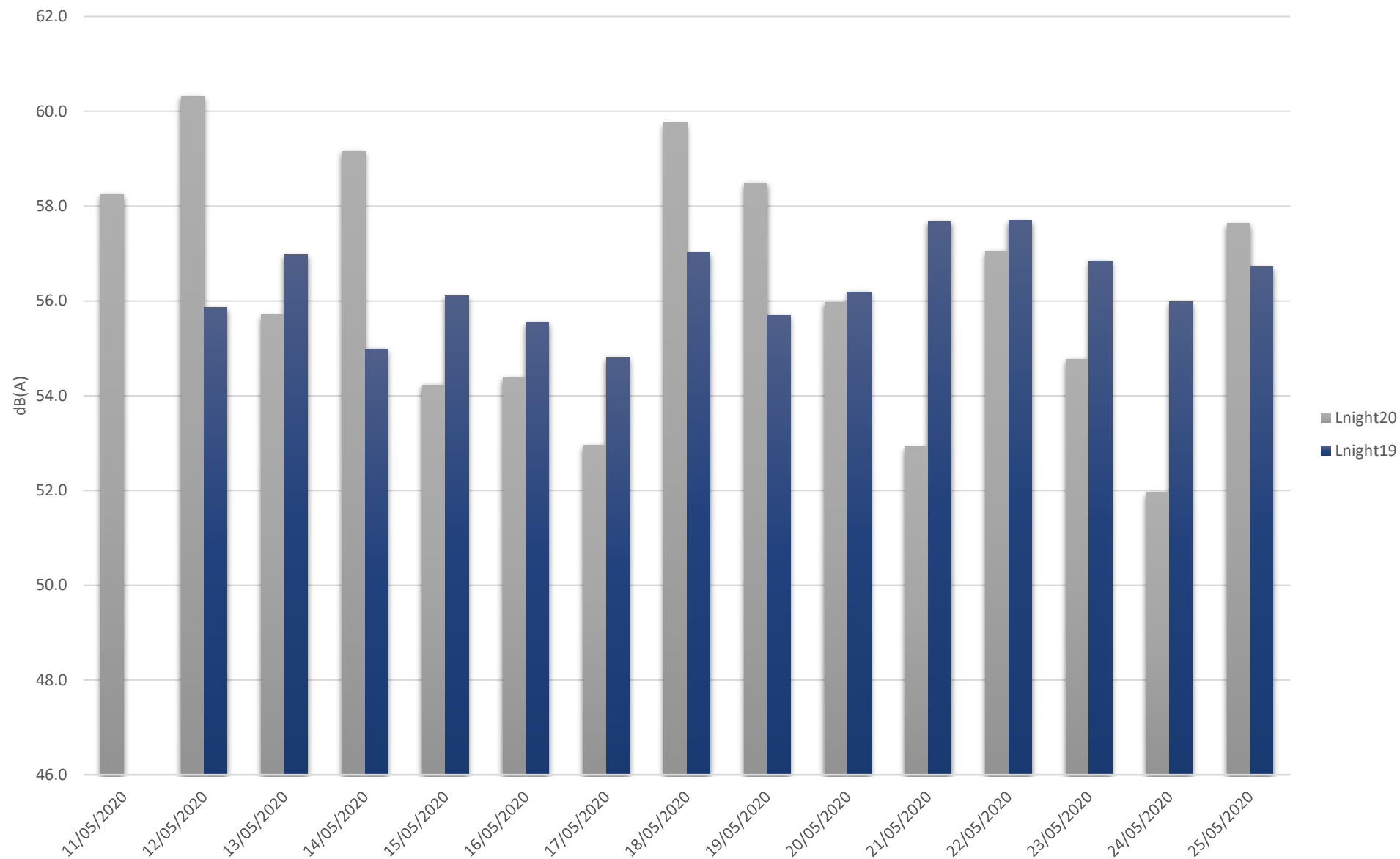
## O312 Corrélation Phase 2 Ind



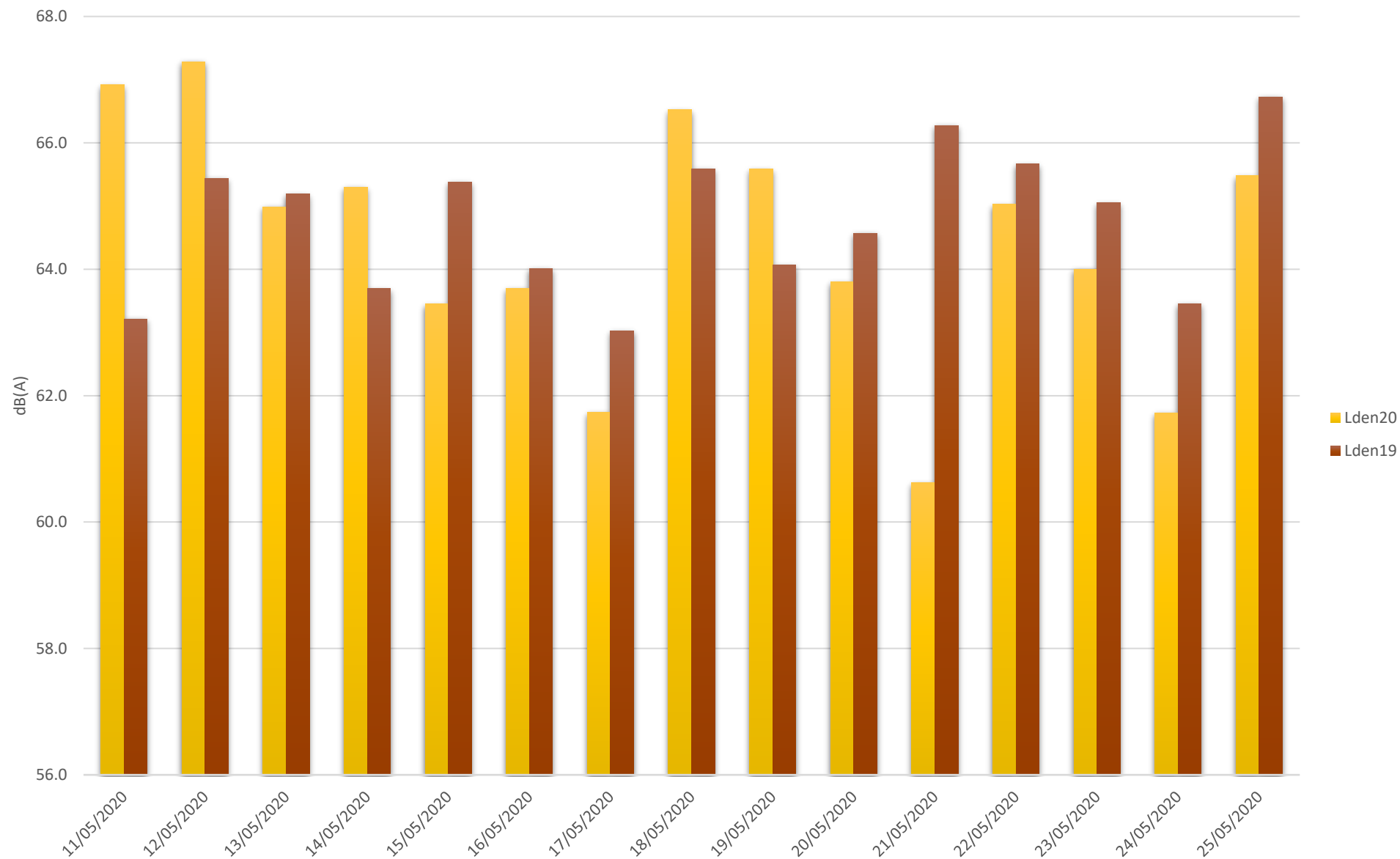
## O312 Corrélation Phase 2 Ind



## O312 Corrélation Phase 2 Ind

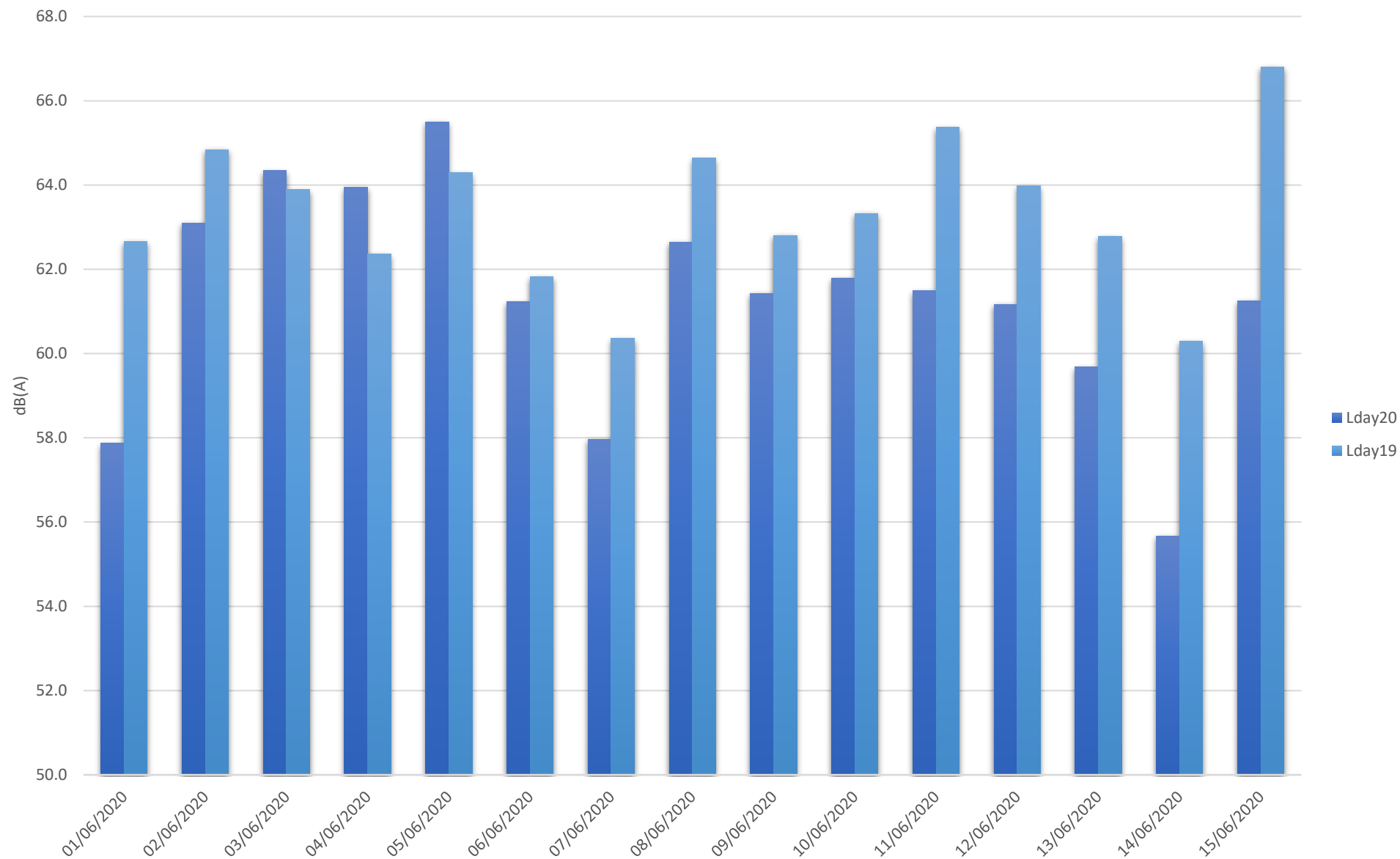


### O312 Corrélation Phase 2 Ind

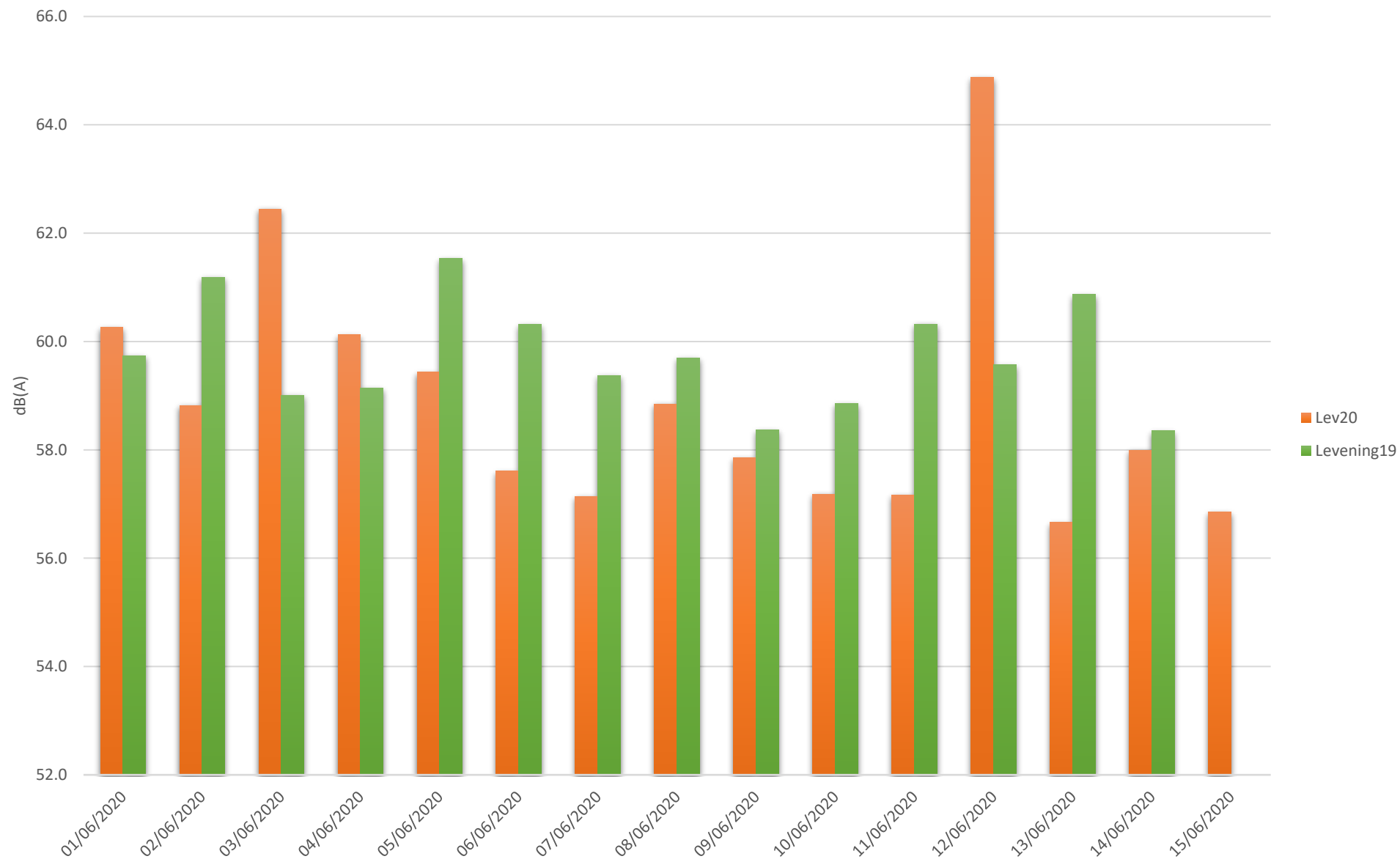




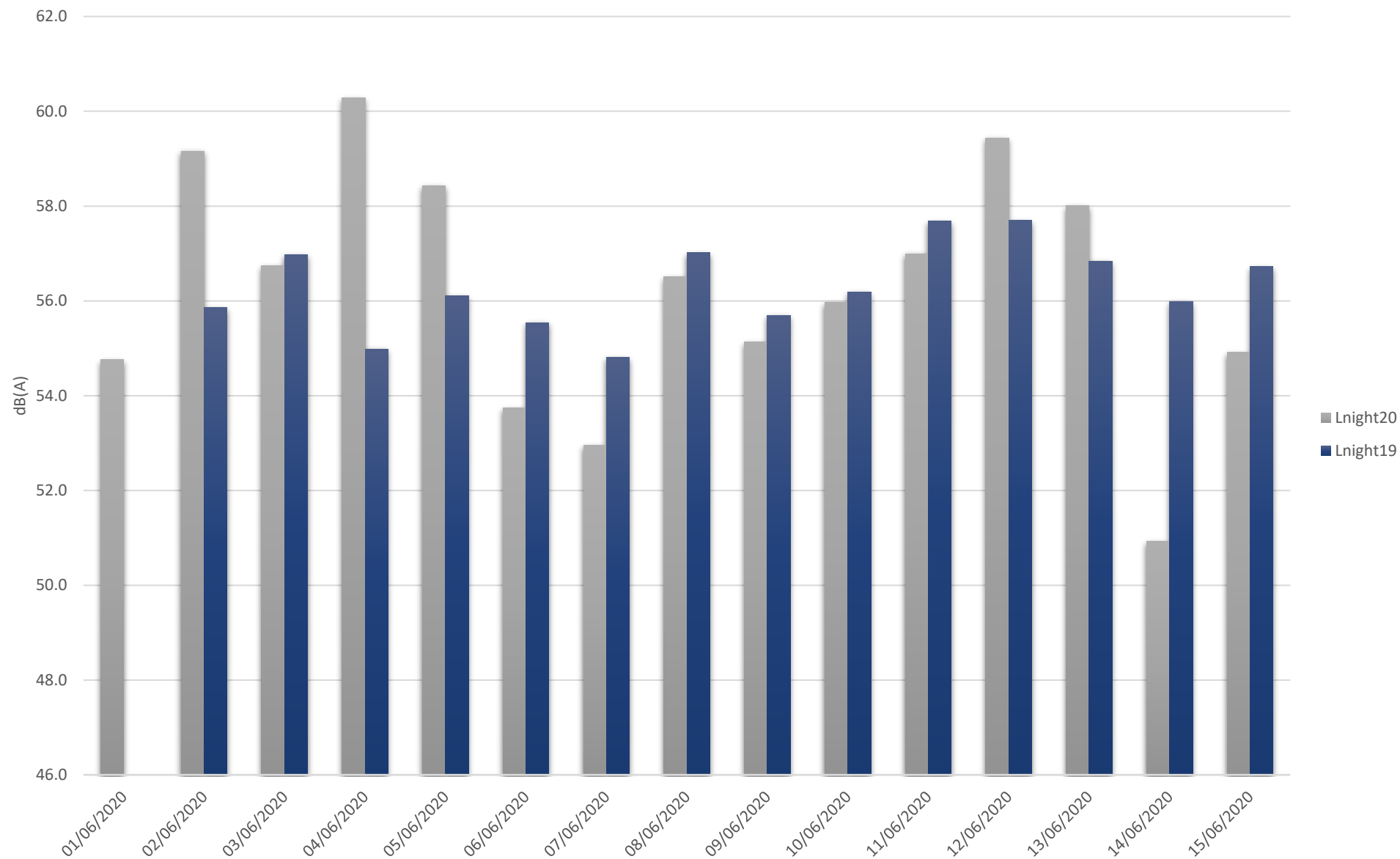
### O312 Corrélation Phase 3 Ind



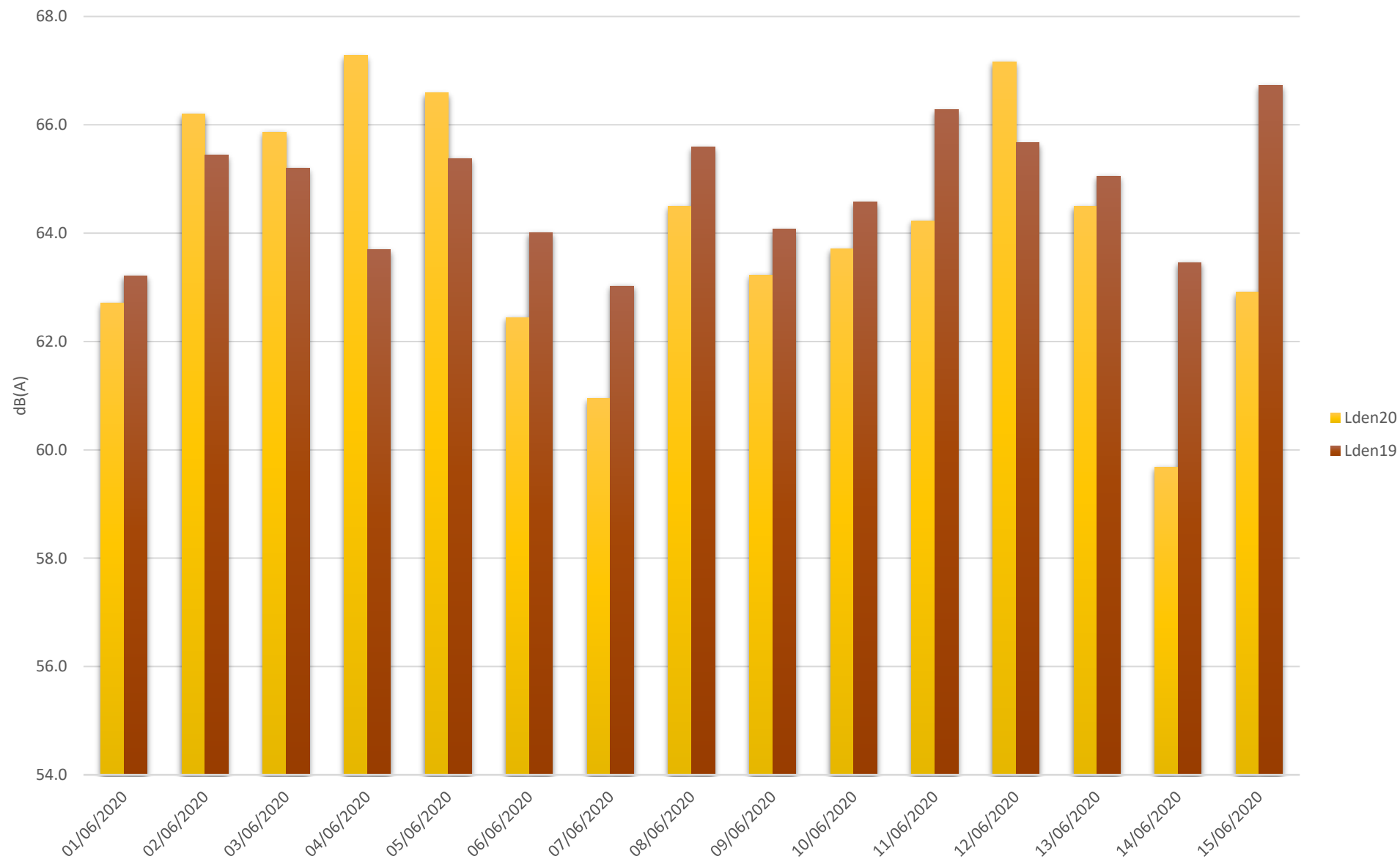
### O312 Corrélation Phase 3 Ind




### O312 Corrélation Phase 3 Ind



### O312 Corrélation Phase 3 Ind



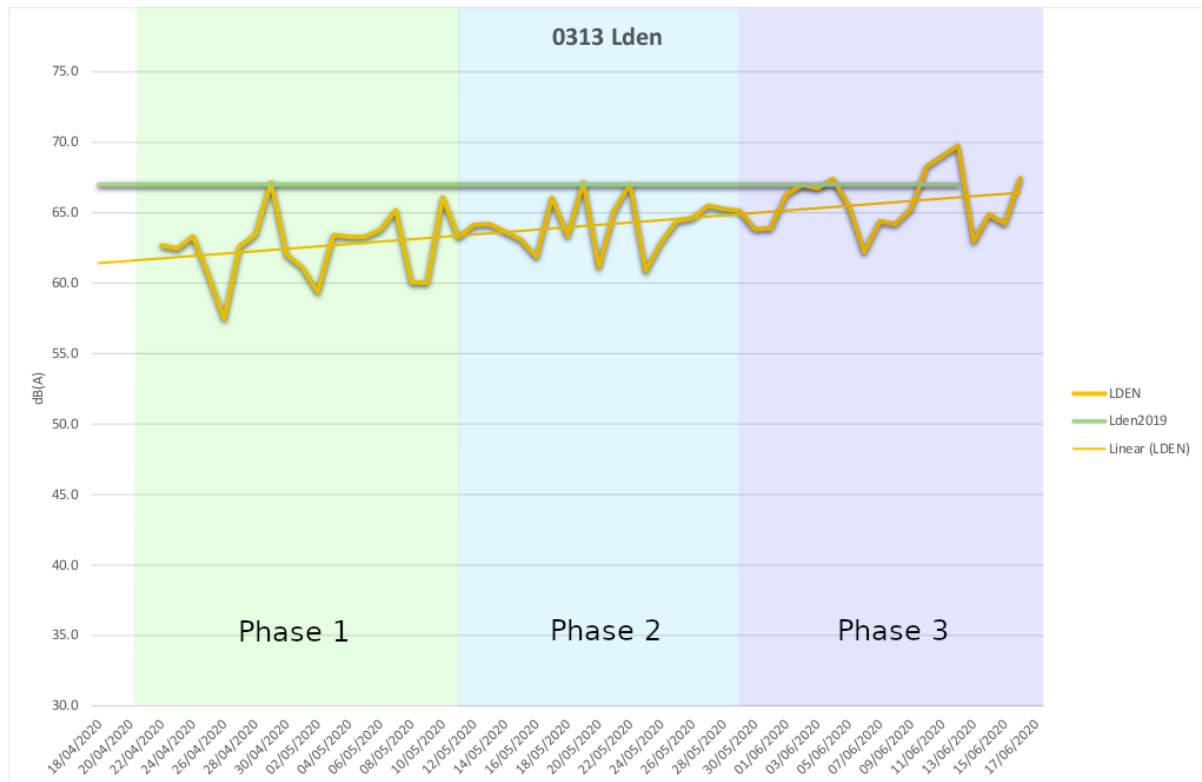
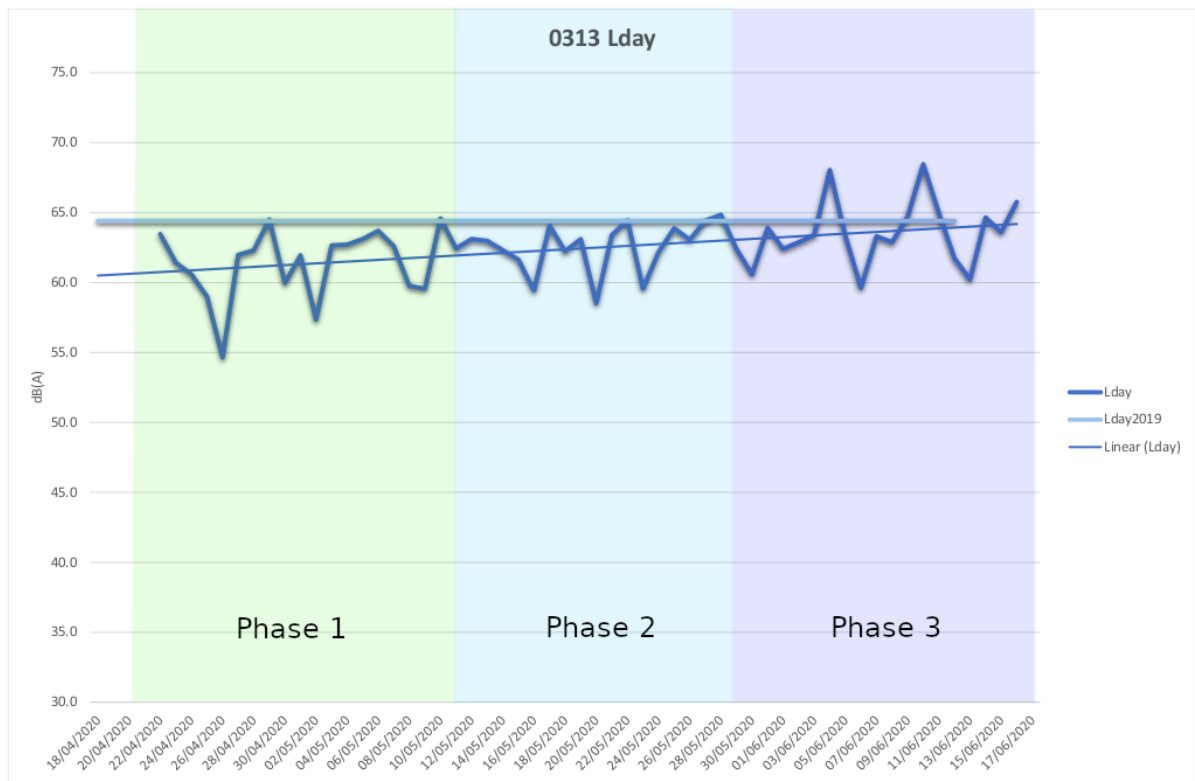
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION ISO 1996-2:2017</b>	<b>1 / 1</b>
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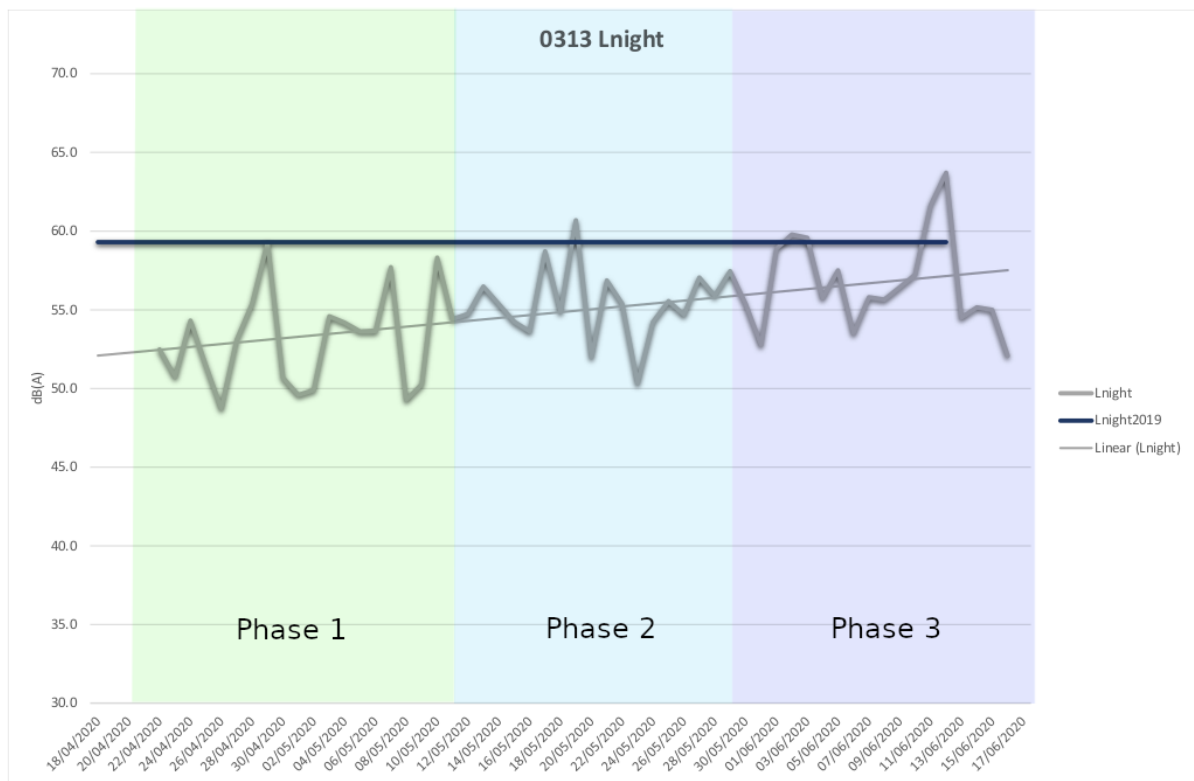
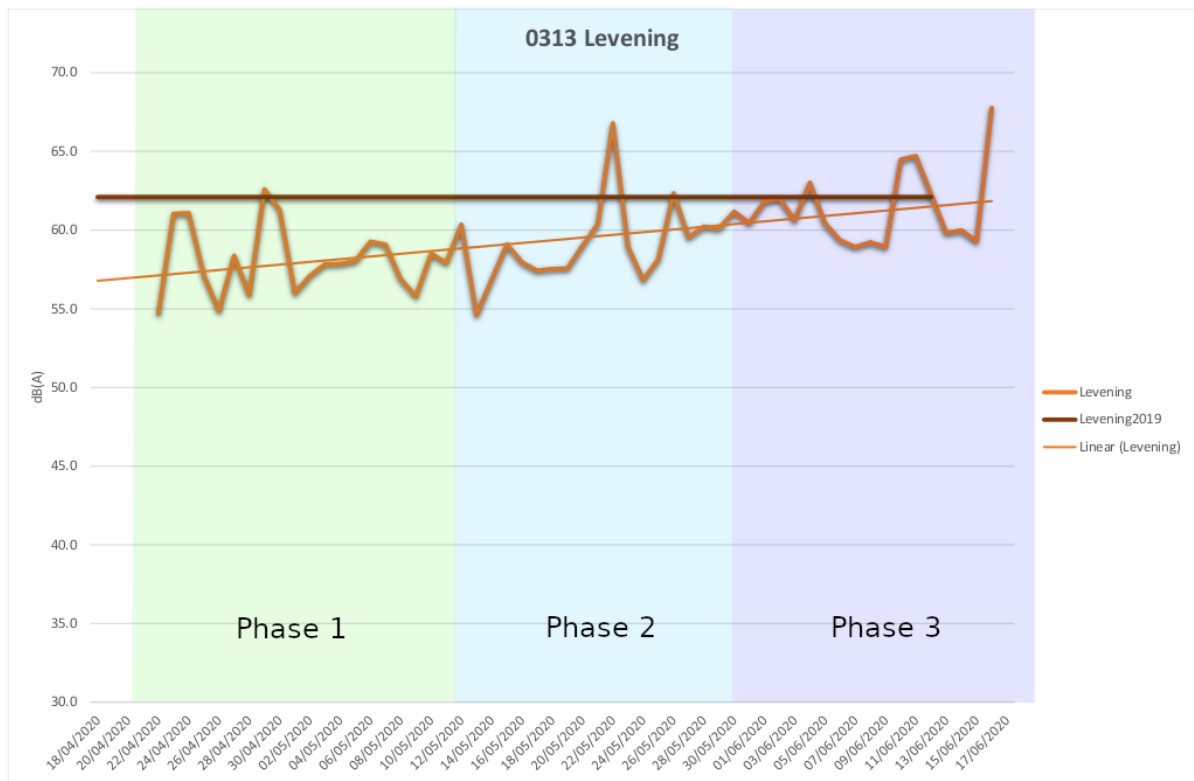
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Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Luxembourg		
Address:	Allée Scheffer 31		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	76770 E	75892 N	313.0
<b>Measurements</b>			
Start:	21/04/20 11:20		
Finish:	17/06/20 19:20		
<b>Point description</b>			
Microphone height:	2.0		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			



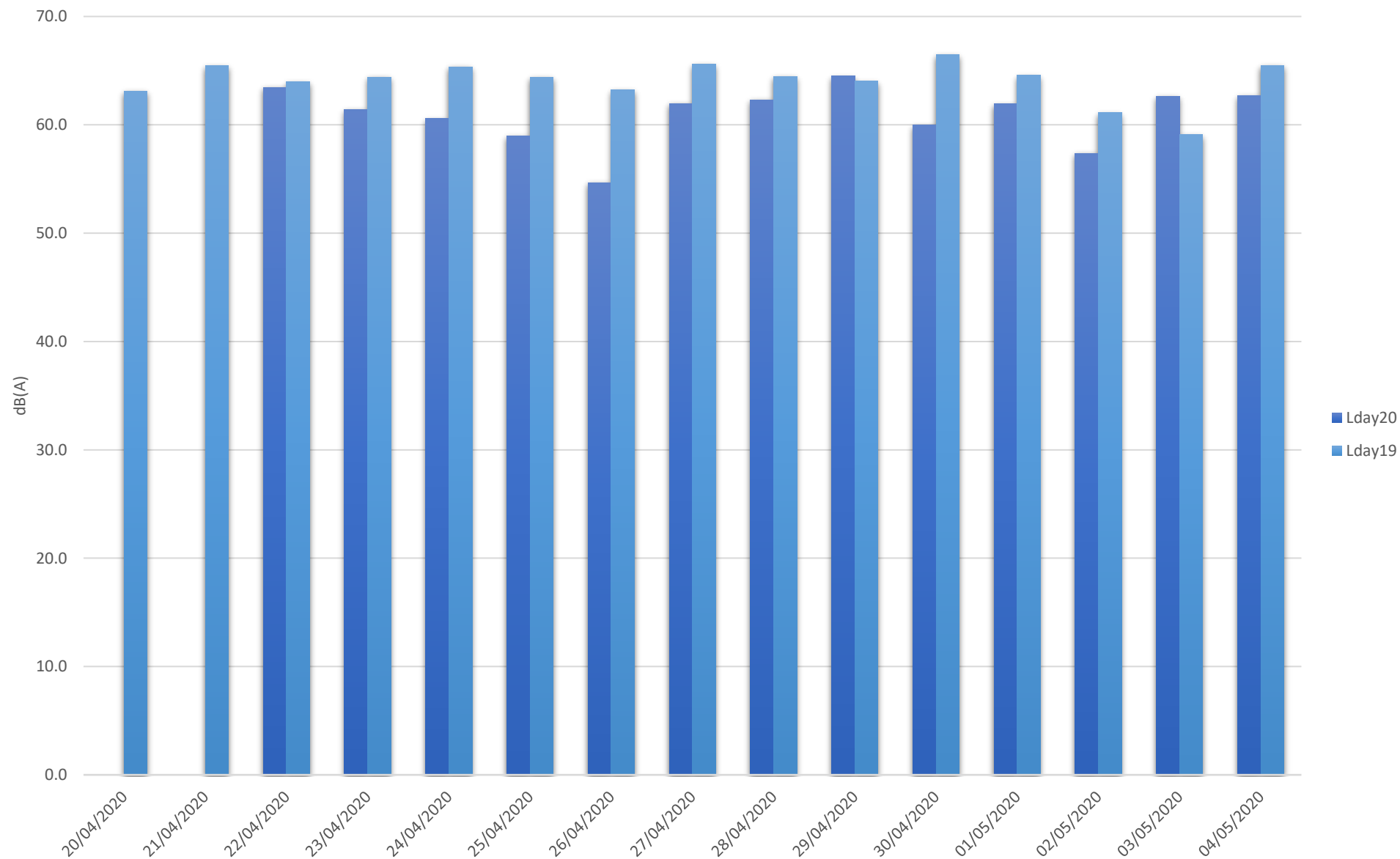
UTC+02:00																																	
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020
Heure				50.4	41.0	53.0	41.3	48.4	45.0	40.8	53.7	42.8	41.8	45.4	48.6	49.4	41.3	47.3	49.3	42.2	44.7	54.4	41.9	41.1	43.2	47.1		35.8	31.6	34.2	30.0	34.5	33.3
0-1				54.9	41.3	42.5	40.2	40.4	40.6	53.8	48.6	49.4	42.1	42.9	40.6	40.6	40.7	41.5	62.4	42.4	45.2	48.0	40.7	40.9	42.0	47.2		31.0	33.0	28.9	53.0	34.2	38.1
1-2				43.7	40.6	41.4	40.4	40.7	41.4	40.4	57.3	42.5	44.2	42.6	41.8	42.2	41.0	47.0	41.2	52.4	45.5	45.4	41.7	51.1	49.5	42.2	34.0	35.1	28.7	28.6	29.1	33.3	29.4
2-3				47.3	49.5	47.7	48.6	50.9	48.7	45.8	54.4	54.0	44.8	50.0	46.3	45.2	49.1	45.8	50.8	44.0	51.9	47.8	48.0	44.5	55.5	51.7	33.1	31.6	33.5	32.6	32.3	34.9	32.5
3-4				51.5	49.4	55.7	56.0	42.6	44.3	49.7	59.2	49.4	44.6	42.3	49.8	48.1	46.7	48.4	47.1	43.6	46.2	57.8	50.9	43.4	45.5	46.8	36.7	29.7	30.5	37.8	41.3	34.6	37.0
4-5				47.4	57.1	58.0	52.2	45.4	53.4	52.9	61.7	51.7	48.5	51.0	53.8	58.6	53.9	56.1	55.2	49.0	52.5	63.7	47.9	52.3	52.6	47.5	39.0	33.9	35.2	42.8	40.0	30.6	46.9
5-6				58.3	52.7	55.9	56.1	44.1	60.7	62.5	64.9	54.4	54.7	44.7	61.3	60.0	59.3	60.3	63.5	45.5	46.5	62.5	61.3	62.0	64.3	54.8	43.9	38.0	46.8	44.9	44.0	41.0	45.3
6-7				60.3	63.0	60.1	56.7	44.1	64.6	58.9	63.7	53.2	57.0	50.3	61.3	66.5	63.3	66.3	63.1	56.1	55.6	67.3	62.0	63.1	64.7	58.6	41.2	34.7	48.5	48.4	48.4	42.1	47.4
7-8				60.8	62.4	62.8	59.5	54.9	61.1	59.8	68.0	56.5	59.5	53.6	62.8	63.7	66.3	65.7	64.6	57.2	57.7	66.1	66.1	61.5	60.4	59.0	44.4	42.1	49.6	48.6	49.3	37.1	48.0
8-9				64.4	60.9	58.5	58.5	55.1	60.8	62.9	62.0	59.3	61.6	58.2	63.6	60.1	60.7	64.0	63.2	61.4	58.5	67.8	59.4	65.3	66.3	59.7	44.7	41.9	44.8	46.6	48.7	40.5	45.1
9-10				61.2	61.3	60.0	60.4	54.0	61.2	60.9	60.2	65.0	61.9	54.9	64.0	61.6	62.4	65.7	64.4	63.5	56.4	61.9	62.1	63.7	63.0	56.9	45.7	44.1	44.4	45.0	46.8	40.8	47.1
10-11				61.6	59.2	61.2	58.2	55.8	65.3	64.7	64.2	59.7	63.7	54.2	61.7	60.8	63.0	61.2	60.7	61.1	59.7	61.7	61.9	61.6	67.2	57.8	43.9	47.3	45.6	49.4	45.8	46.9	46.9
11-12				62.6	65.1	64.1	60.9	54.0	60.0	63.9	62.6	58.6	60.1	58.0	66.5	65.4	62.3	61.1	60.4	58.0	61.4	63.1	62.5	60.1	60.7	47.5	44.0	45.6	45.7	45.8	43.4	48.0	
12-13				65.3	59.6	60.7	57.8	50.9	59.9	65.1	64.5	58.4	63.5	60.4	61.3	62.9	62.4	61.9	62.8	59.3	57.3	61.7	62.9	67.0	61.1	59.4	45.9	42.0	51.3	47.6	51.3	44.7	46.1
13-14				63.5	59.7	59.6	58.1	56.4	60.7	61.3	64.1	59.2	63.8	59.5	60.8	60.7	60.5	62.2	61.2	59.2	64.1	61.7	62.5	62.9	60.8		45.2	44.2	52.2	46.0	45.4	43.0	51.0
14-15				61.5	60.3	58.6	57.8	53.9	60.7	63.8	68.1	59.4	62.6	55.5	61.2	62.7	67.0	62.1	62.9	57.6	63.3	62.5	61.1	61.6	63.0	46.7	45.6	45.4	46.9	44.7	42.4	48.5	
15-16				61.0	60.8	60.5	58.4	55.4	59.9	61.5	65.3	59.3	64.0	58.1	60.3	59.7	59.9	63.0	61.2	59.3	58.0	62.4	61.9	61.3	60.6	44.6	43.2	44.8	43.2	45.0	43.8	47.5	
16-17				62.8	60.1	56.1	59.7	54.7	59.6	58.8	62.5	62.0	61.0	55.5	61.3	60.4	61.4	62.9	61.4	58.8	58.0	61.3	61.0	60.5	59.3	50.8	44.6	44.6	51.5	44.6	47.4	40.7	48.5
17-18				68.4	60.2	59.3	60.0	57.0	64.2	59.8	60.6	58.9	59.0	59.9	62.7	61.6	61.1	63.2	62.5	57.2	58.1	68.2	61.7	61.1	58.8	44.4	43.7	46.5	41.7	45.7	42.2	46.1	
18-19				56.7	53.6	65.0	60.7	56.7	57.6	56.6	59.8	64.8	59.4	60.2	59.7	60.3	59.6	61.0	61.3	57.9	56.9	60.9	60.4	61.3	57.1	45.9	43.7	42.9	43.5	43.2	47.0	46.4	
19-20				55.6	66.2	58.7	57.7	54.6	62.3	56.0	60.3	60.1	56.1	48.3	56.2	58.1	59.6	61.0	60.3	59.1	58.4	58.3	58.7	63.0	55.7	42.8	42.3	40.6	41.6	42.8	41.2	45.3	
20-21				53.5	57.9	60.2	51.9	55.0	54.9	54.9	55.2	59.0	52.3	59.3	58.7	55.5	56.2	58.0	57.0	51.9	54.3	57.8	55.9	56.3	53.0	42.5	42.9	42.7	41.7	39.7	40.6	42.8	
21-22				51.1	49.4	51.8	51.6	51.9	52.2	55.8	66.9	57.6	51.6	48.2	55.1	55.7	54.8	53.5	55.0	55.5	47.8	55.3	53.6	57.4	48.5	41.3	39.5	40.4	40.3	41.3	41.2	43.7	
22-23				47.5	45.4	56.8	45.6	54.8	48.3	55.9	54.0	46.8	53.9	56.4	56.8	51.2	57.6	51.9	51.5	54.8	55.2	54.5	57.6	56.3	52.2	42.3	45.0	50.2	37.3	39.2	38.7	39.2	
23-24				63.5	61.4	60.6	59.0	54.6	62.0	62.3	64.5	60.0	61.9	57.4	62.7	62.7	63.1	63.7	62.6	59.8	59.5	64.6	62.4	63.1	63.0	46.0	43.8	48.5	46.6	47.5	42.9	47.8	
Σ <sub>Day</sub>				54.7	61.0	61.1	57.1	54.9	58.4	55.9	62.6	61.3	56.0	57.1	57.8	57.9	58.0	59.3	59.1	56.9	55.8	58.5	57.9	60.3	54.6	43.5	42.3	41.8	41.9	42.0	43.4	44.8	
Σ <sub>Night</sub>				52.5	50.7	54.3	51.5	48.7	53.1	55.4	59.3	50.7	49.6	49.9	54.6	54.2	53.6	53.6	57.7	49.3	50.3	58.3	54.4	54.7	56.5	38.6	38.0	43.1	39.3	45.1	36.4	41.3	
L <sub>DEN</sub>				62.7	62.4	63.3	60.5	57.4	62.6	63.4	67.2	62.0	61.1	59.4	63.4	63.3	63.3	63.8	65.2	60.1	60.0	66.1	63.3	64.1	64.2	47.5	46.3	50.5	47.7	51.6	45.5	49.6	

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020				
																											Heure	Semaine	Weekend	Sem.+Wk
36.2	39.4	33.5	39.2	37.1	36.3	38.4	43.3	46.4	43.1	50.3	42.0	40.4	40.9	42.0	42.4	38.1	39.6	41.5	36.4	39.0	51.6	44.1	36.3	36.5	35.4		0-1	45.6	45.9	45.7
34.6	38.0	34.0	33.9	29.5	31.6	33.3	44.0	38.2	37.6	28.9	51.1	42.3	37.7	40.7	39.5	38.0	29.8	32.2	29.2	32.8	48.3	39.4	30.2	33.8	30.0		1-2	49.0	40.9	47.8
33.0	34.1	29.2	28.8	32.4	31.5	29.1	40.0	33.1	34.1	29.0	39.4	39.0	29.2	37.5	35.2	36.2	29.7	28.8	28.9	29.6	43.5	35.1	30.6	32.6	29.5		2-3	44.9	39.7	43.9
37.1	29.2	32.7	31.9	32.9	31.8	38.7	36.6	34.4	32.3	39.3	34.3	47.7	29.1	34.2	36.1	33.9	32.7	28.9	35.6	31.8	31.2	36.9	30.1	39.8	35.1		3-4	46.8	45.6	46.5
44.0	29.9	30.8	37.5	37.5	34.1	38.9	40.0	31.6	30.2	31.9	32.6	39.6	35.0	38.4	30.4	35.9	35.5	34.9	37.2	35.2	39.5	29.0	30.5	31.8	34.0		4-5	47.6	48.7	47.9
35.8	32.6	36.5	36.6	42.7	42.0	37.8	35.8	30.3	31.2	41.5	38.5	44.2	38.5	36.0	33.4	43.4	44.9	42.6	45.4	45.9	31.7	30.0	41.6	41.4	39.5		5-6	51.7	52.9	52.1
43.5	31.6	44.7	47.1	42.6	48.2	43.3	44.1	33.3	33.4	44.3	44.8	45.5	45.7	46.0	37.7	43.7	43.5	44.6	47.1	47.8	45.1	38.5	44.9	43.1	40.8		6-7	56.9	53.7	56.2
48.4	38.6	46.8	47.6	48.1	51.1	53.5	41.2	39.1	39.7	44.6	47.5	47.2	44.9	44.0	39.2	47.7	46.4	48.2	62.2	49.5	41.4	40.5	49.6	48.7	47.1		7-8	59.4	57.0	58.8
47.6	42.2	47.1	48.6	49.6	52.7	49.3	44.2	45.6	50.7	47.3	44.6	47.6	55.5	47.9	42.0	49.4	47.9	48.7	51.6	49.8	47.5	41.9	54.1	49.5	48.7		8-9	59.8	57.4	59.2
49.8	48.7	46.8	45.9	48.4	49.9	49.3	46.6	43.8	44.3	46.7	45.9	46.4	48.7	52.5	42.2	47.8	46.6	44.9	46.7	44.8	46.8	41.6	47.2	46.7	47.8		9-10	58.8	58.4	58.7
50.6	43.4	45.6	46.2	47.9	48.9	48.8	47.1	44.4	51.2	48.5	46.2	49.9	50.4	47.6	42.6	46.0	49.2	47.2	44.4	46.6	46.4	45.5	48.4	50.7	46.5		10-11	59.0	56.1	58.3
51.3	43.6	45.8	54.4	46.5	47.0	51.8	48.1	45.2	45.8	46.4	48.7	49.7	52.4	47.7	45.4	45.4	46.4	46.0	48.1	48.1	46.5	46.0	48.6	47.4	48.2		11-12	59.2	55.4	58.4
49.4	43.5	46.5	45.3	44.5	47.9	47.6	46.8	45.4	46.7	46.2	50.3	48.6	55.3	48.4	45.3	46.3	47.1	56.6	46.9	49.7	46.3	44.5	49.2	48.1	48.7		12-13	59.0	57.5	58.6
46.2	42.4	47.0	48.5	49.8	48.0	45.9	46.4	45.4	51.9	44.7	48.4	46.9	53.9	48.3	44.6	42.9	45.7	44.6	44.4	50.5	44.7	41.6	48.5	46.4	49.7		13-14	59.3	55.5	58.5
46.9	45.4	48.7	48.8	47.3	48.3	47.3	46.8	43.8	45.8	45.3	46.0	48.0	53.5	44.7	44.6	47.1	47.1	49.0	47.4	46.9	44.1	44.0	49.9	49.9	50.1		14-15	58.1	56.9	57.8
46.4	42.4	45.7	46.8	45.1	47.4	49.3	50.6	47.1	48.6	45.4	44.7	49.1	53.6	46.4	44.7	49.7	46.7	43.6	46.4	54.4	44.7	49.0	46.4	45.9	54.8		15-16	59.3	56.4	58.7
46.2	42.8	49.0	46.7	48.1	46.2	48.6	45.6	46.0	49.0	46.9	48.0	47.4	50.0	46.9	43.2	50.2	48.6	48.2	45.9	48.4	48.1	45.0	46.5	46.6	52.5		16-17	57.9	55.4	57.3
49.7	43.7	41.9	43.2	45.0	45.6	45.4	43.8	45.9	47.2	46.0	46.9	45.2	50.2	45.9	41.9	49.2	47.6	45.8	48.8	47.6	46.6	44.9	46.2	46.7	51.3		17-18	57.3	55.3	56.8
49.7	43.4	43.5	44.3	45.2	46.7	46.3	47.4	44.3	46.8	50.2	46.4	43.8	50.4	45.3	47.0	45.1	46.9	44.8	49.8	47.2	47.0	43.6	45.8	45.8	48.3		18-19	58.4	58.8	58.5
46.7	45.8	42.6	42.9	50.9	45.2	46.4	43.6	46.2	45.1	45.7	45.5	47.2	50.7	44.0	45.9	45.9	46.2	43.7	47.9	50.5	49.6	46.0	46.1	45.3	54.7		19-20	56.9	55.5	56.6
56.3	44.2	42.1	42.5	45.4	44.4	44.3	45.9	42.8	45.2	49.3	48.1	43.3	46.9	47.2	44.5	41.4	41.2	44.8	53.1	51.2	46.4	44.3	43.8	43.6	54.3		20-21	57.0	52.6	56.1
45.9	41.5	40.1	43.9	41.9	43.0	43.5	42.2	48.2	42.8	43.5	46.5	46.0	43.8	44.8	38.1	42.2	41.9	39.3	41.5	46.2	44.4	42.9	45.4	43.3	49.6		21-22	52.8	53.0	52.9
41.6	38.7	39.2	40.0	41.8	42.6	43.5	45.4	42.2	45.8	43.5	44.7	41.5	44.8	41.5	43.3	42.1	43.4	43.7	44.4	46.0	44.0	42.9	40.2	41.9	33.5		22-23	53.8	48.9	52.9
40.4	30.8	42.0	36.0	41.0	42.6	45.2	43.4	42.2	38.3	39.9	41.3	45.4	41.9	45.8	37.9	41.8	40.3	44.7	42.0	53.2	53.8	40.3	42.6	41.9	35.6		23-24	50.9	51.2	51.0
48.9	44.0	46.6	48.3	47.5	48.8	49.2	46.8	45.0	48.3	46.8	47.3	47.8	52.4	47.7	44.0	47.7	47.3	49.1	52.9	49.4	46.1	44.6	49.1	48.0	50.2		ZDay	58.8	56.8	58.3
51.2	43.3	41.2	42.5	46.7	43.9	44.6	44.5	45.6	44.8	46.2	46.4	45.0	47.4	44.8	43.7	43.3	43.6	43.3	48.9	49.1	46.7	44.2	44.4	43.7	52.2		ZEvening	55.5	53.1	54.9
39.8	34.7	38.6	40.0	39.1	41.4	40.3	41.9	39.8	37.2	43.3	44.2	44.0	40.2	41.9	37.9	40.2	40.0	40.8	41.6	46.1	48.1	38.9	39.6	39.4	36.5		ZNight	51.1	49.6	50.7
51.4	45.3	47.3	48.8	49.0	49.9	49.7	49.5	48.2	48.3	50.7	51.4	51.1	51.8	49.9	46.6	48.8	48.6	49.7	52.7	53.4	54.2	47.3	49.3	48.6	51.9		LGEN	60.0	58.2	59.5



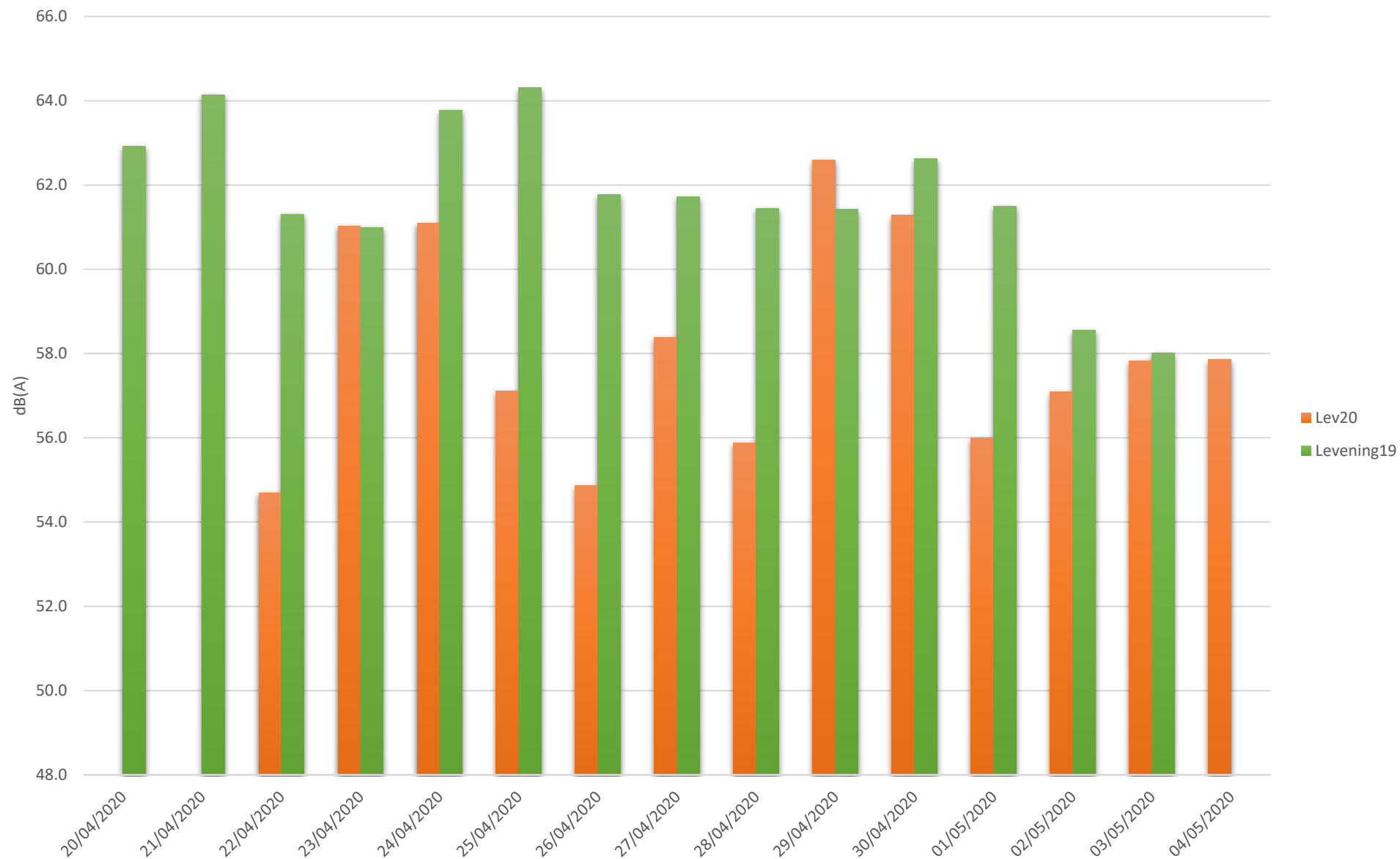


### O313 Corrélation Phase 1 Ind

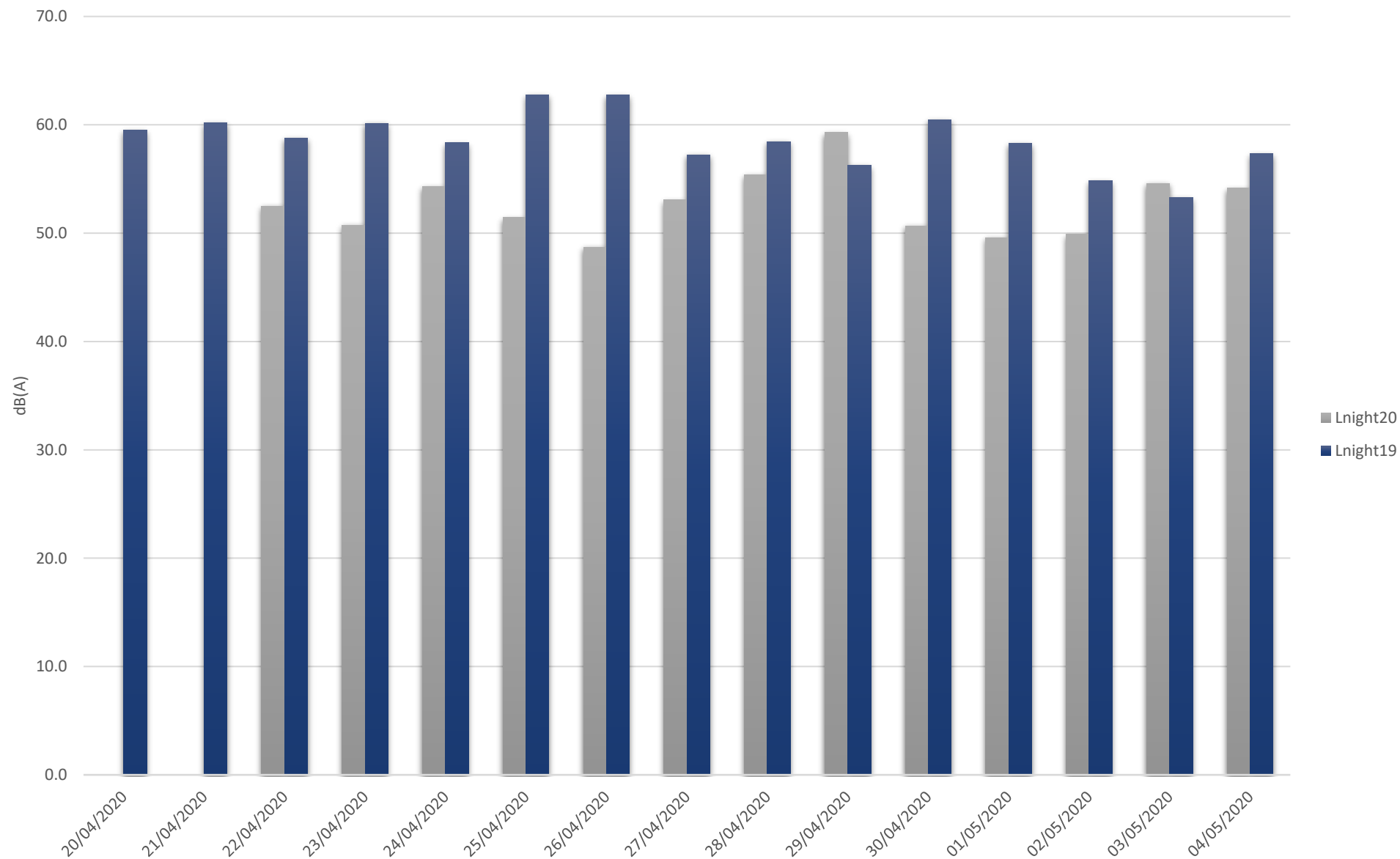




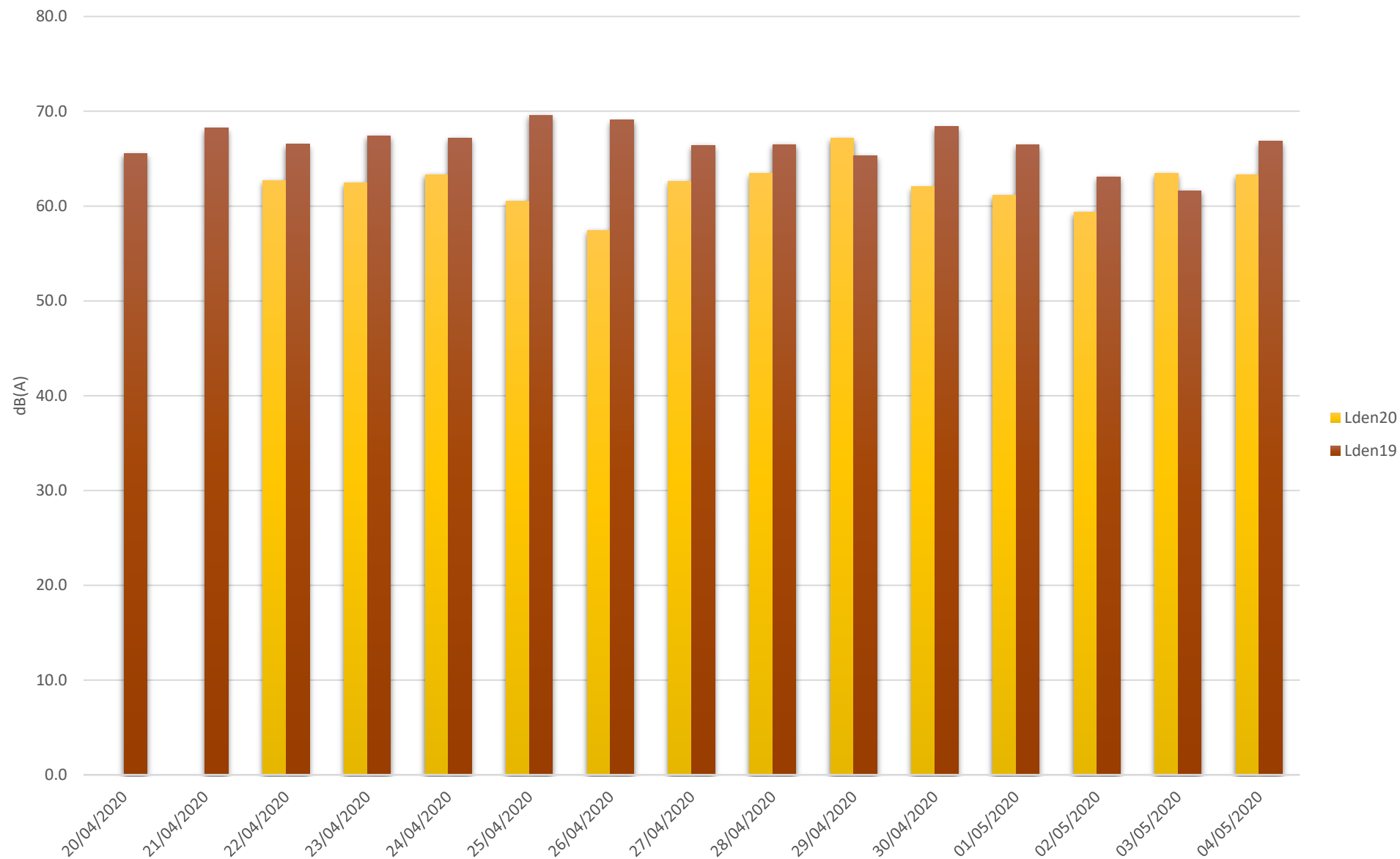
### O313 Corrélation Phase 1 Ind



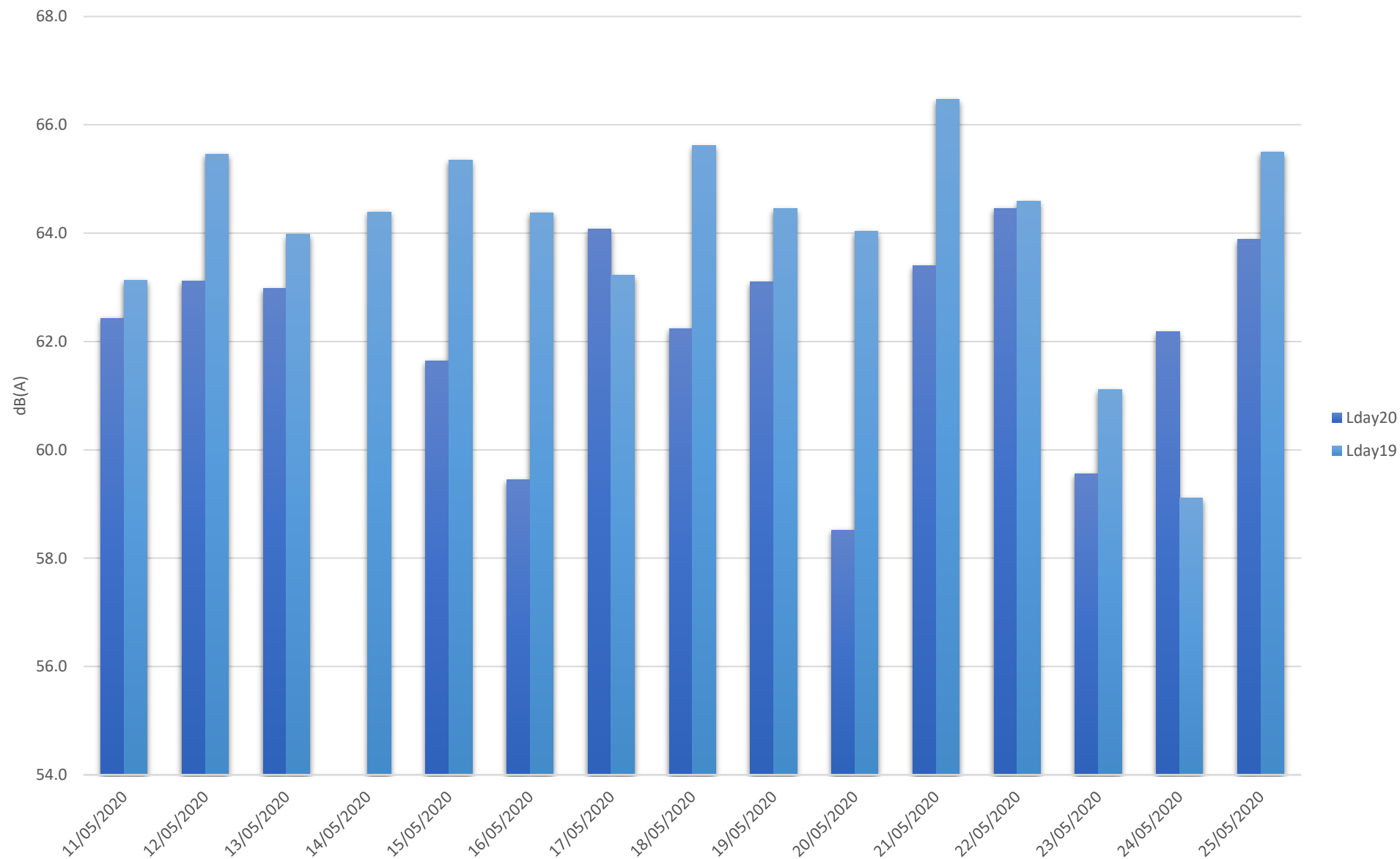
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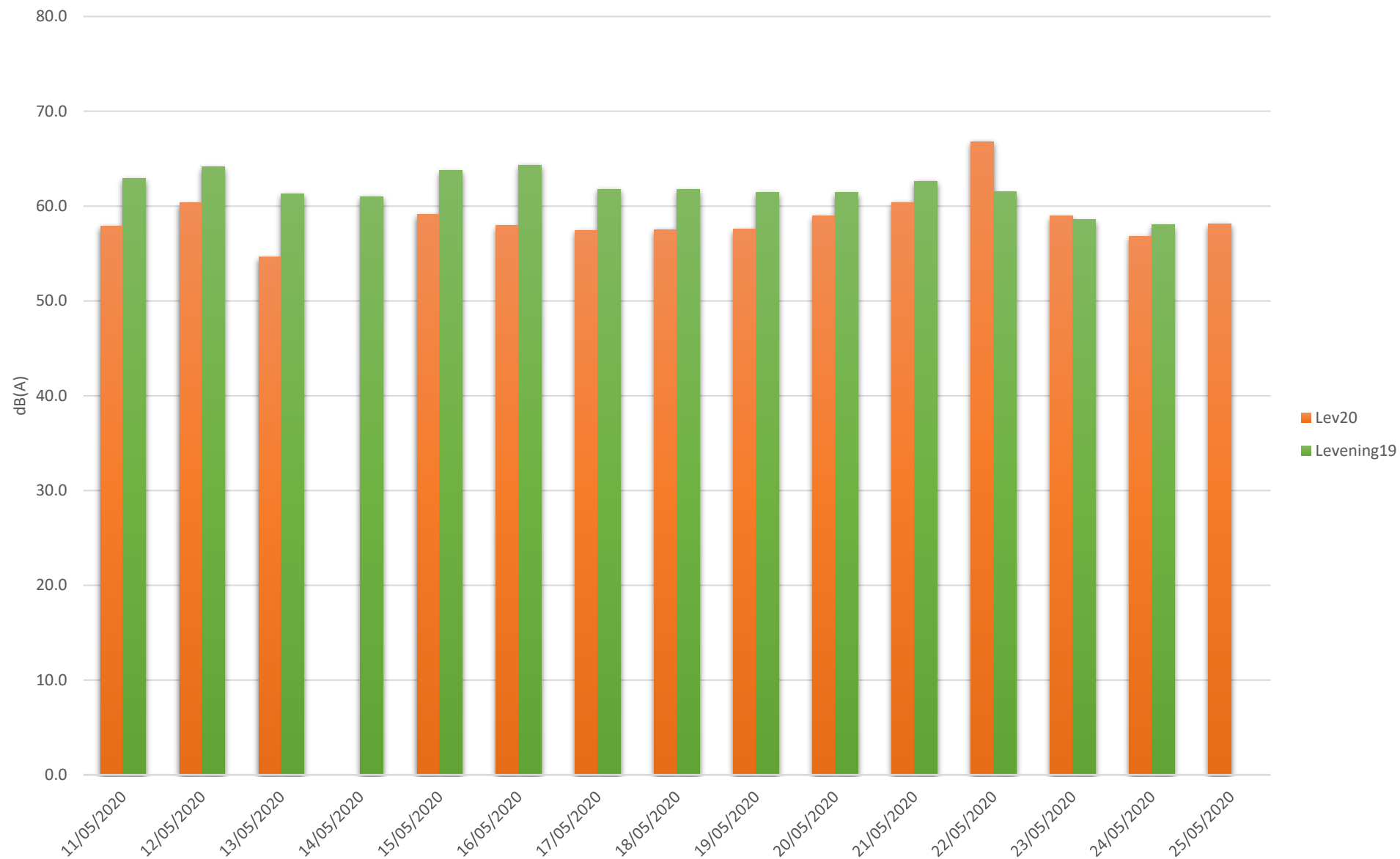
### O313 Corrélation Phase 1 Ind



## O313 Corrélation Phase 2 Ind

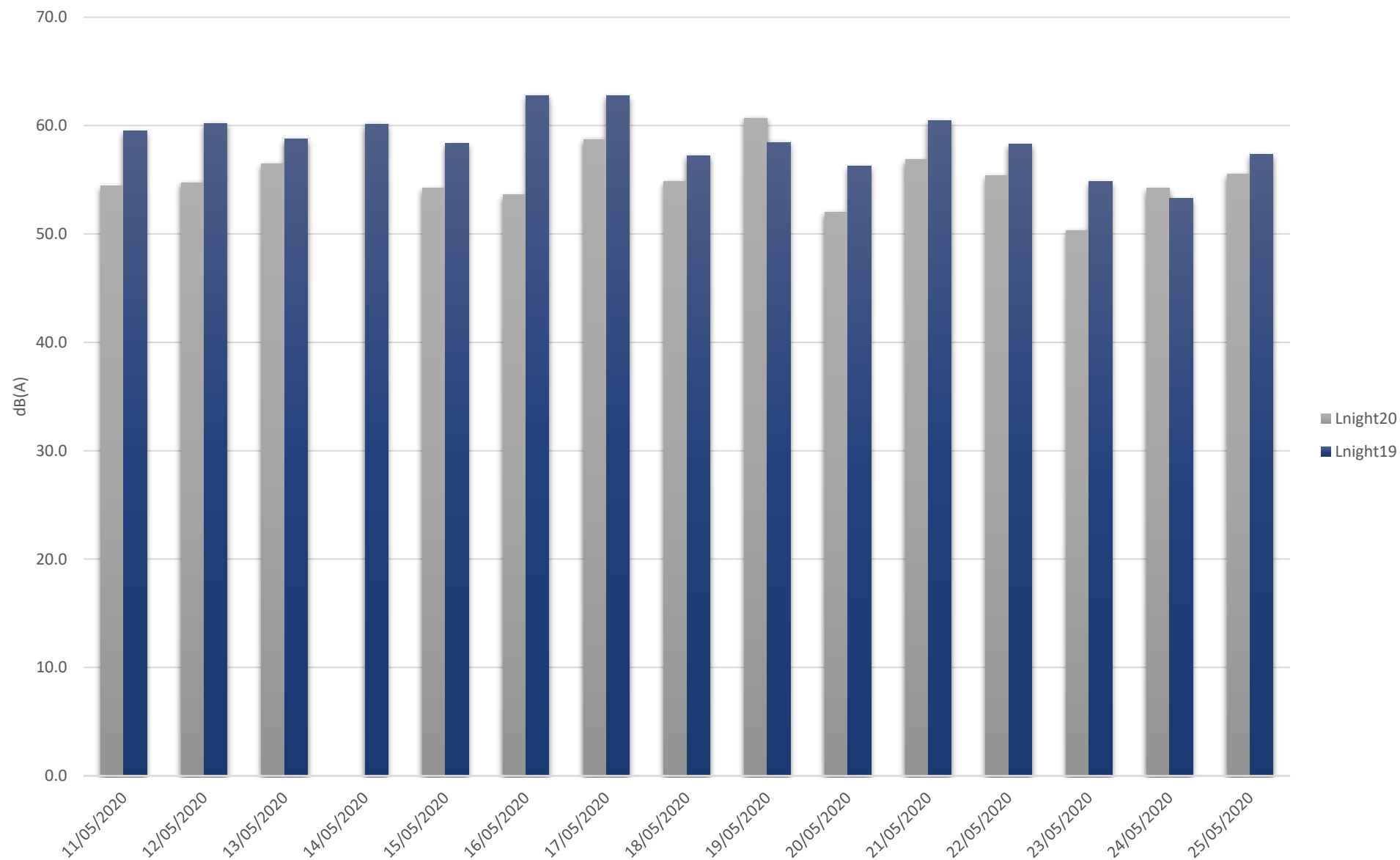


## O313 Corrélation Phase 2 Ind

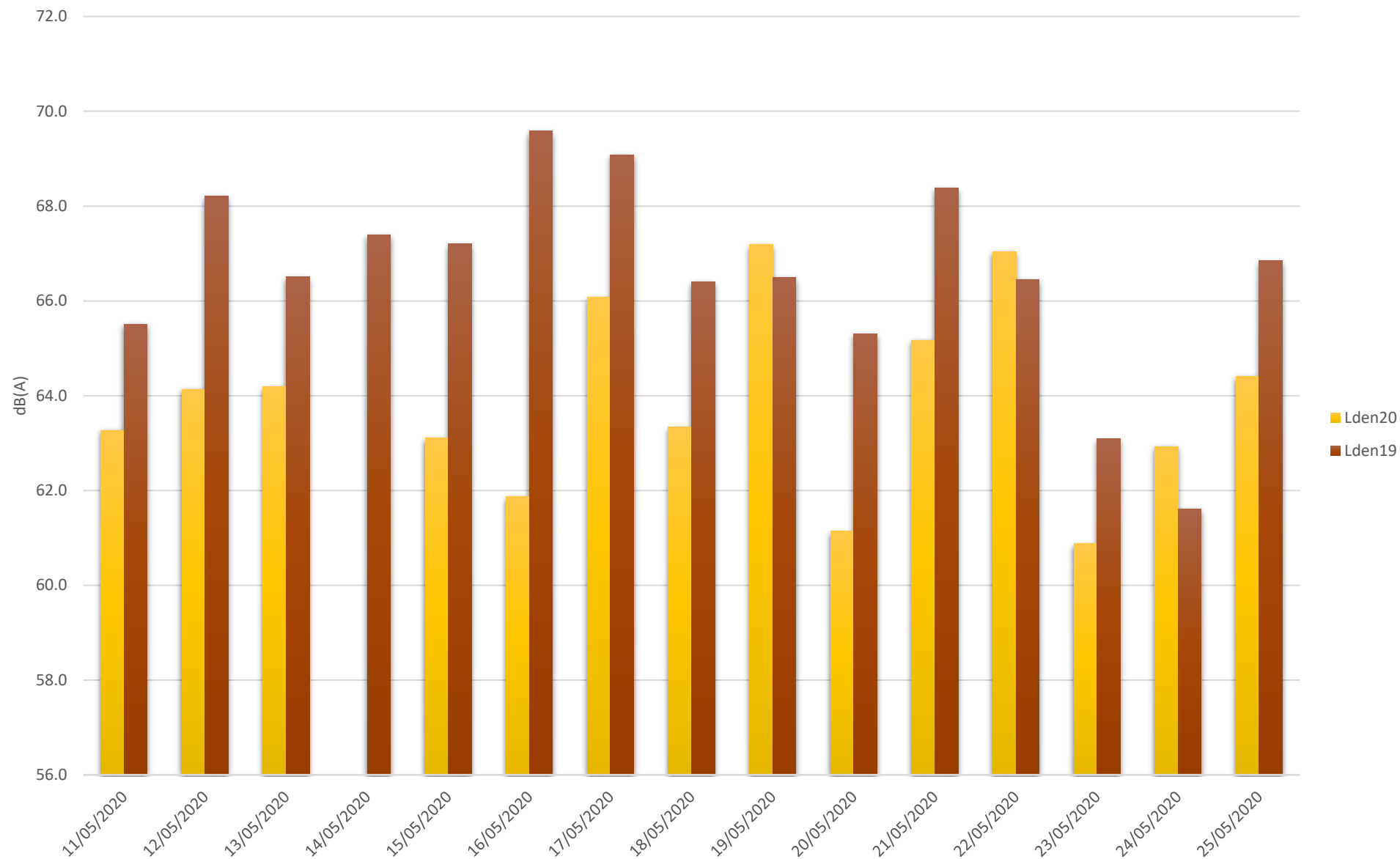




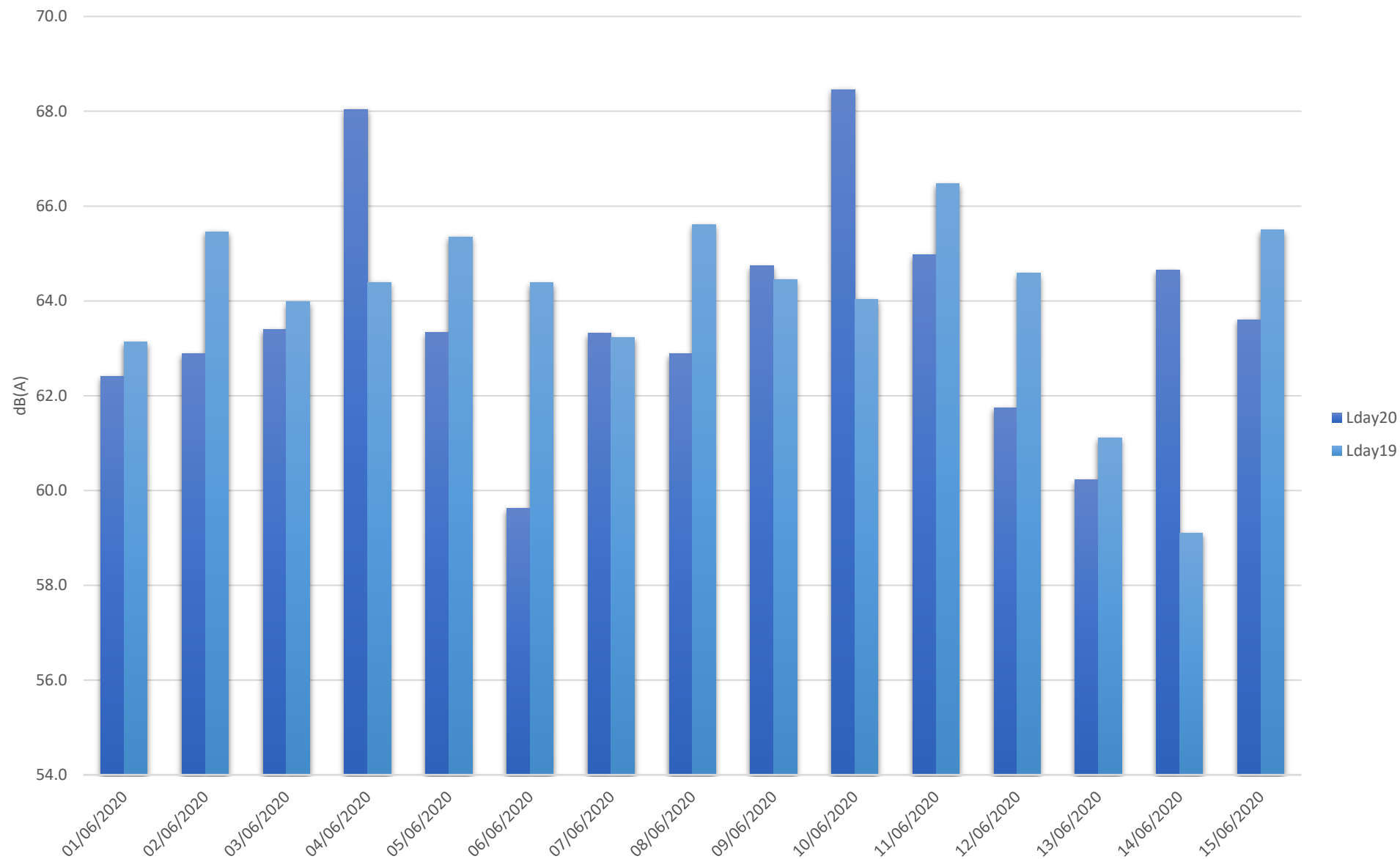
### O313 Corrélation Phase 2 Ind



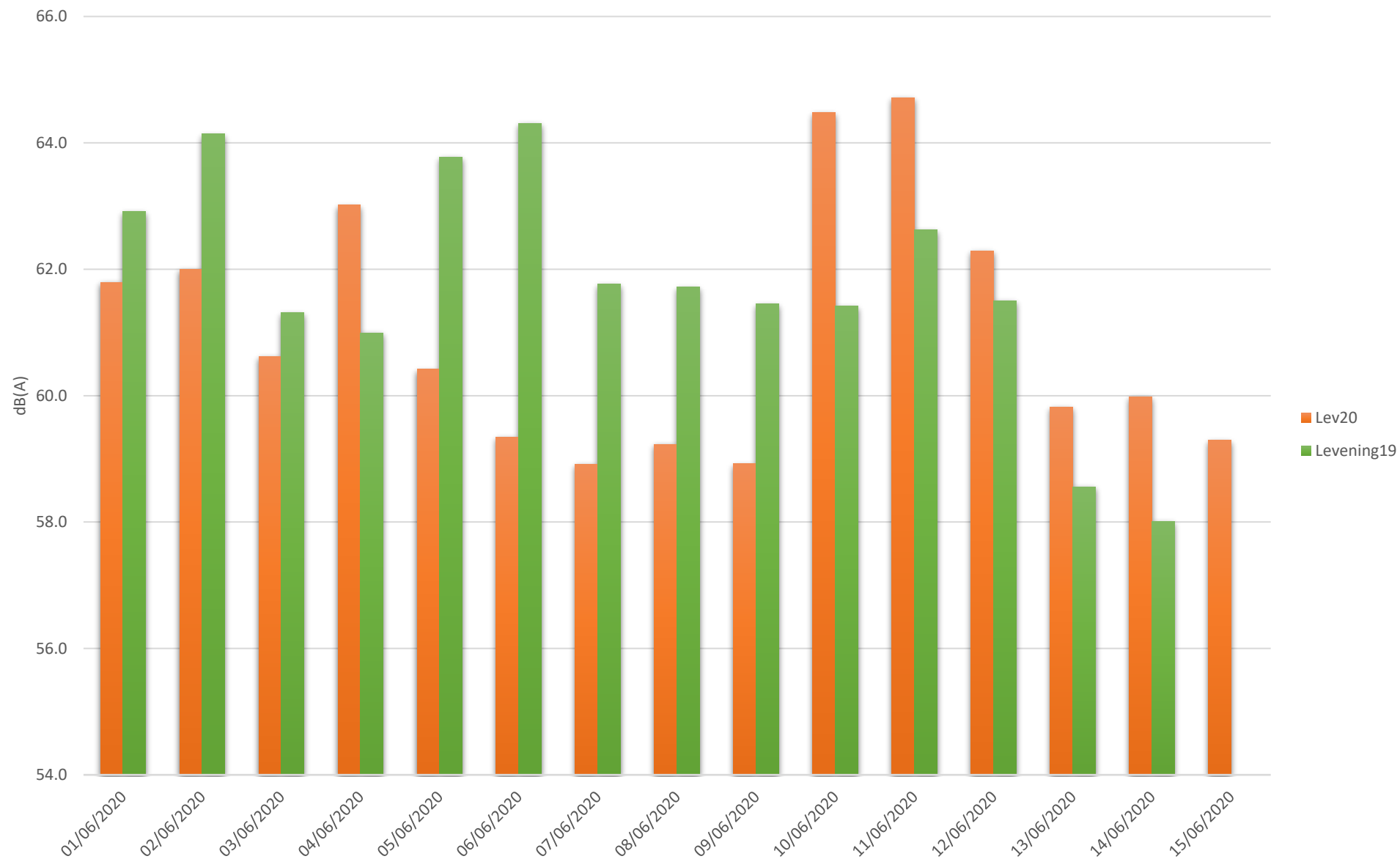
### O313 Corrélation Phase 2 Ind



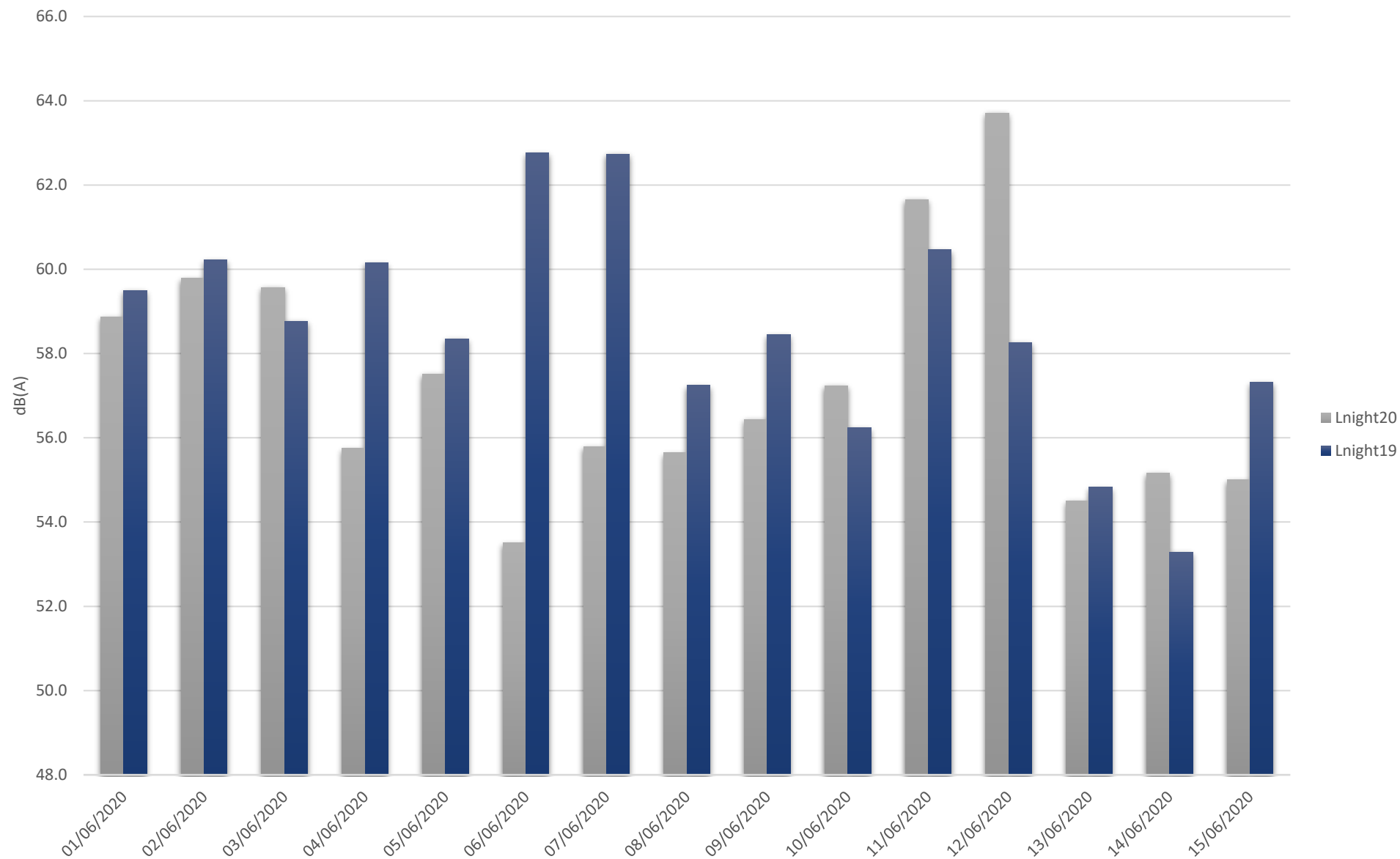
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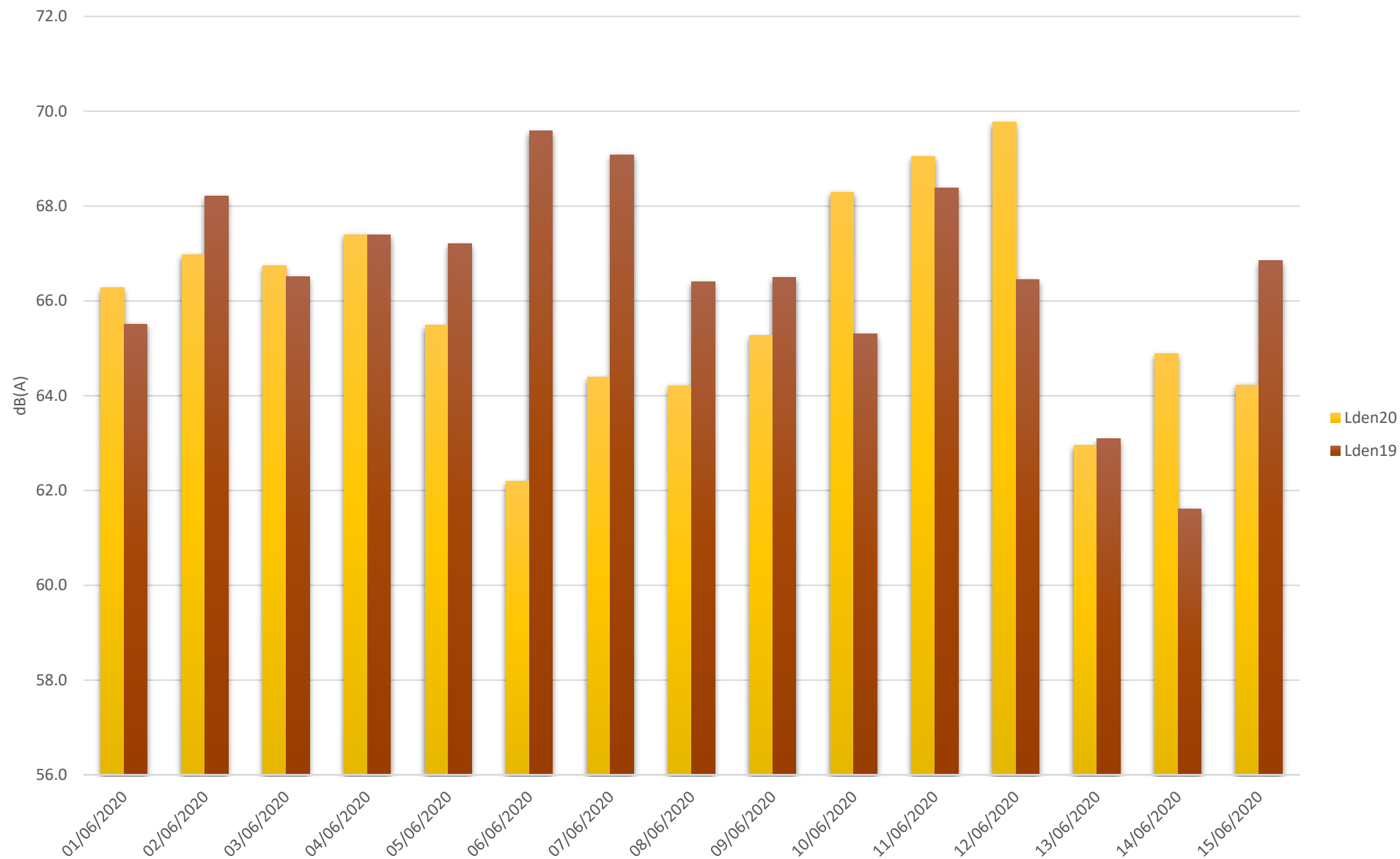
### O313 Corrélation Phase 3 Ind




### O313 Corrélation Phase 3 Ind



### O313 Corrélation Phase 3 Ind



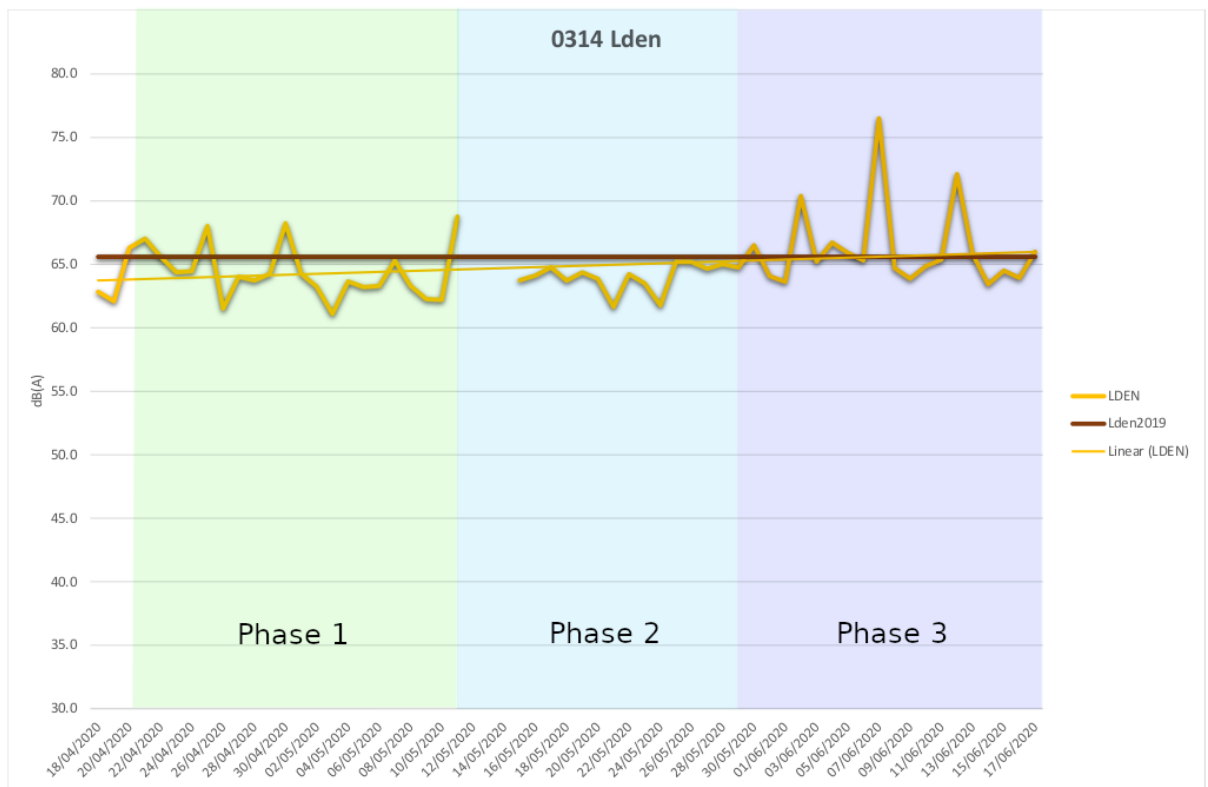
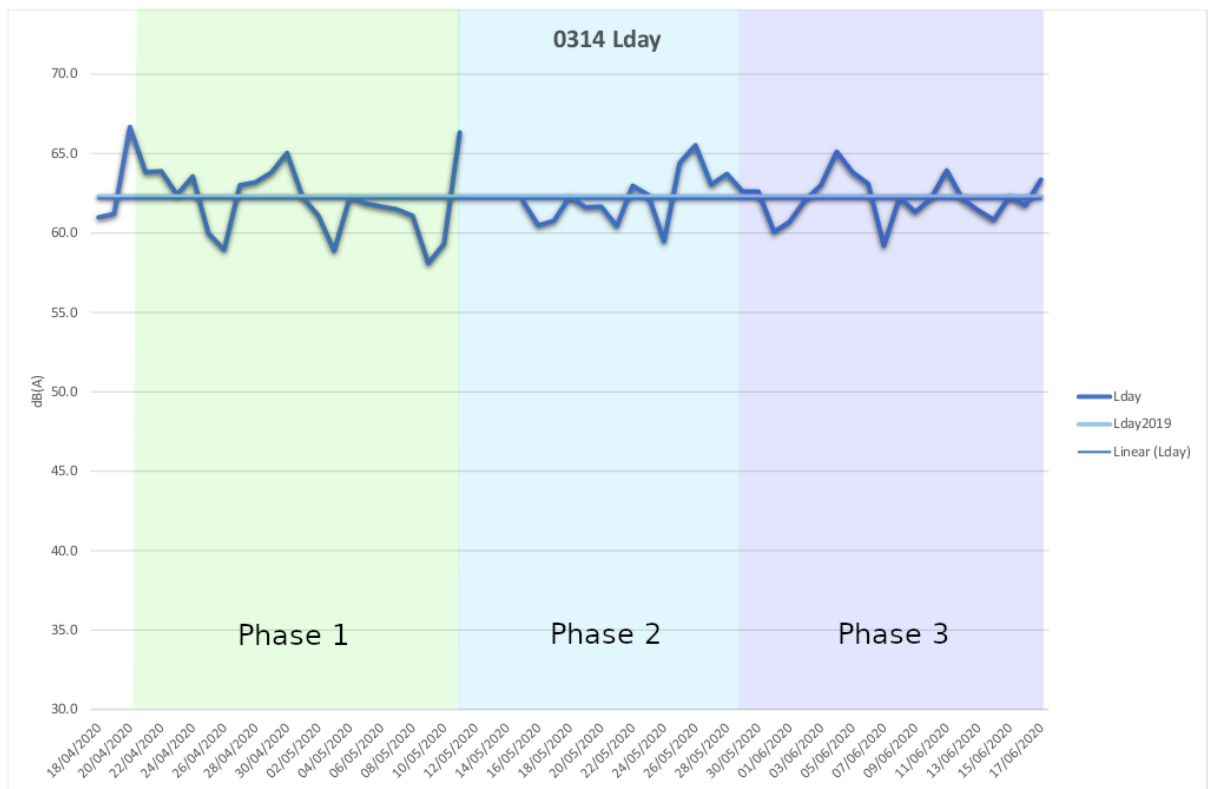


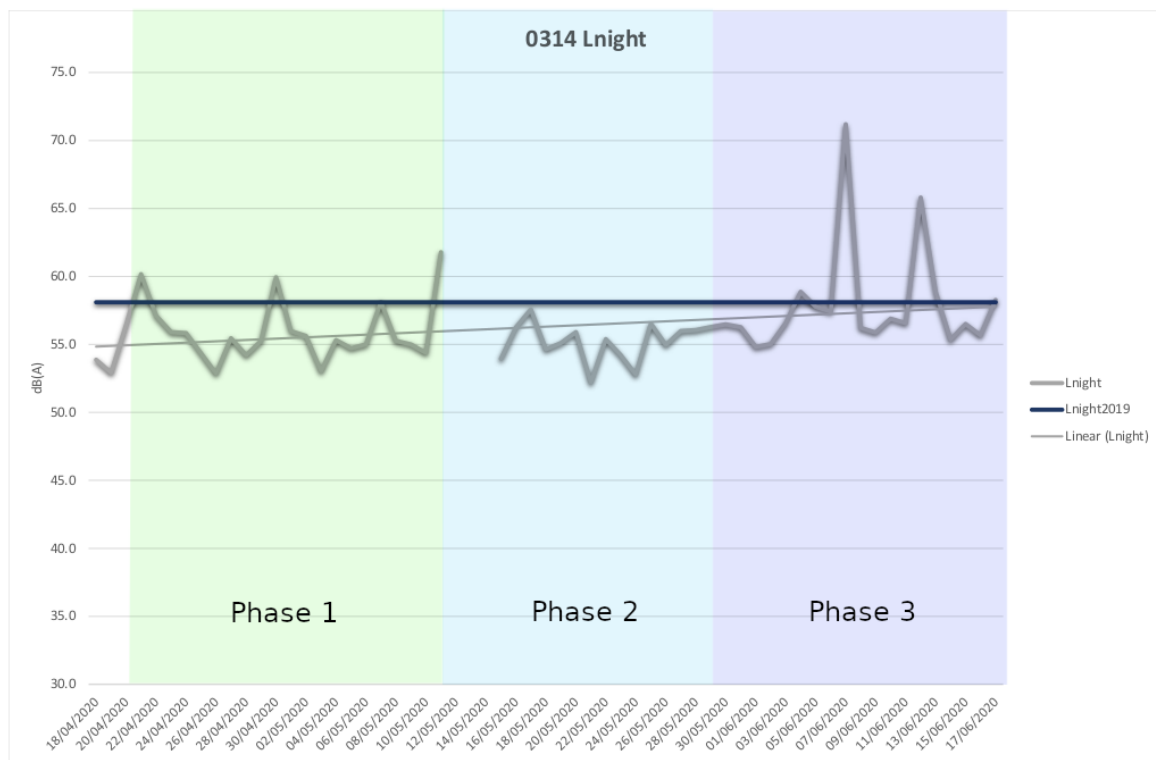
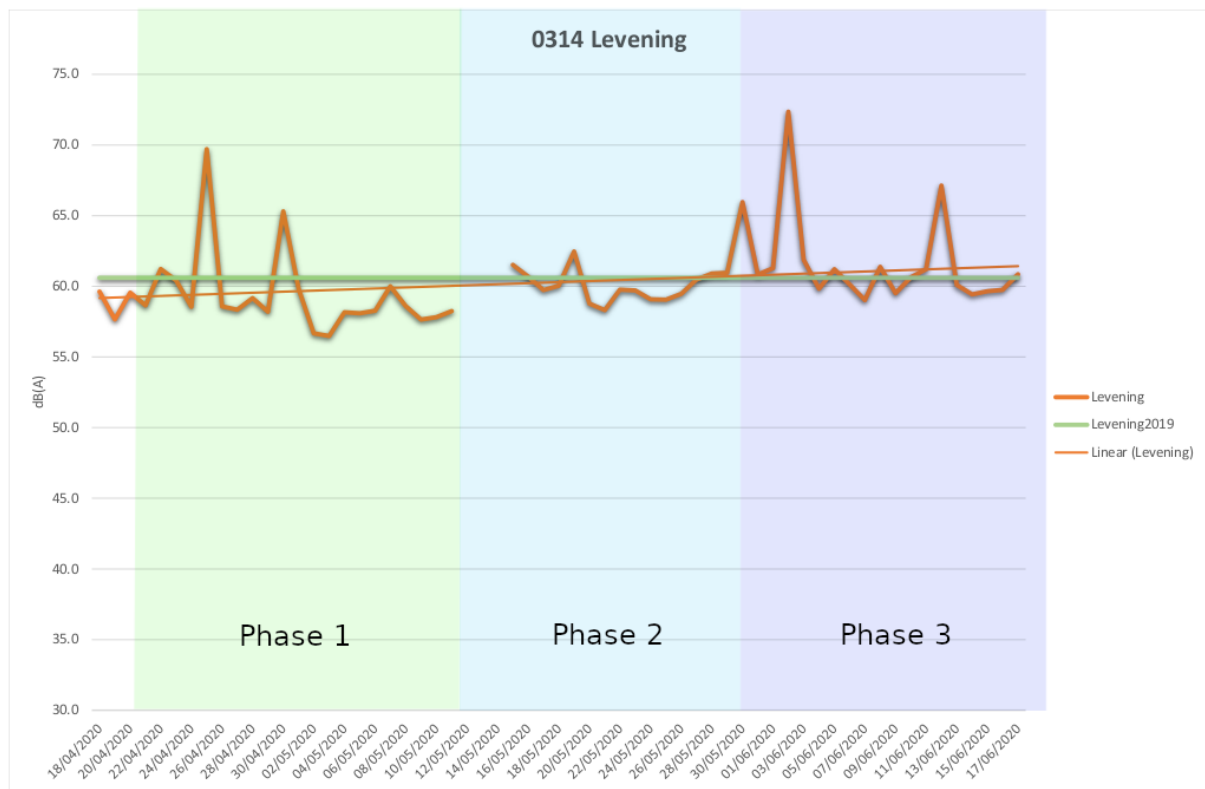
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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Point ID:	0314 (Luxe_002B)		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Luxembourg		
Address:	Blvd. Royal 14		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	76913 E	75418 N	307.2
<b>Measurements</b>			
Start:	17/04/20 15:40		
Finish:	18/06/20 08:10		
<b>Point description</b>			
Microphone height:	3.5		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

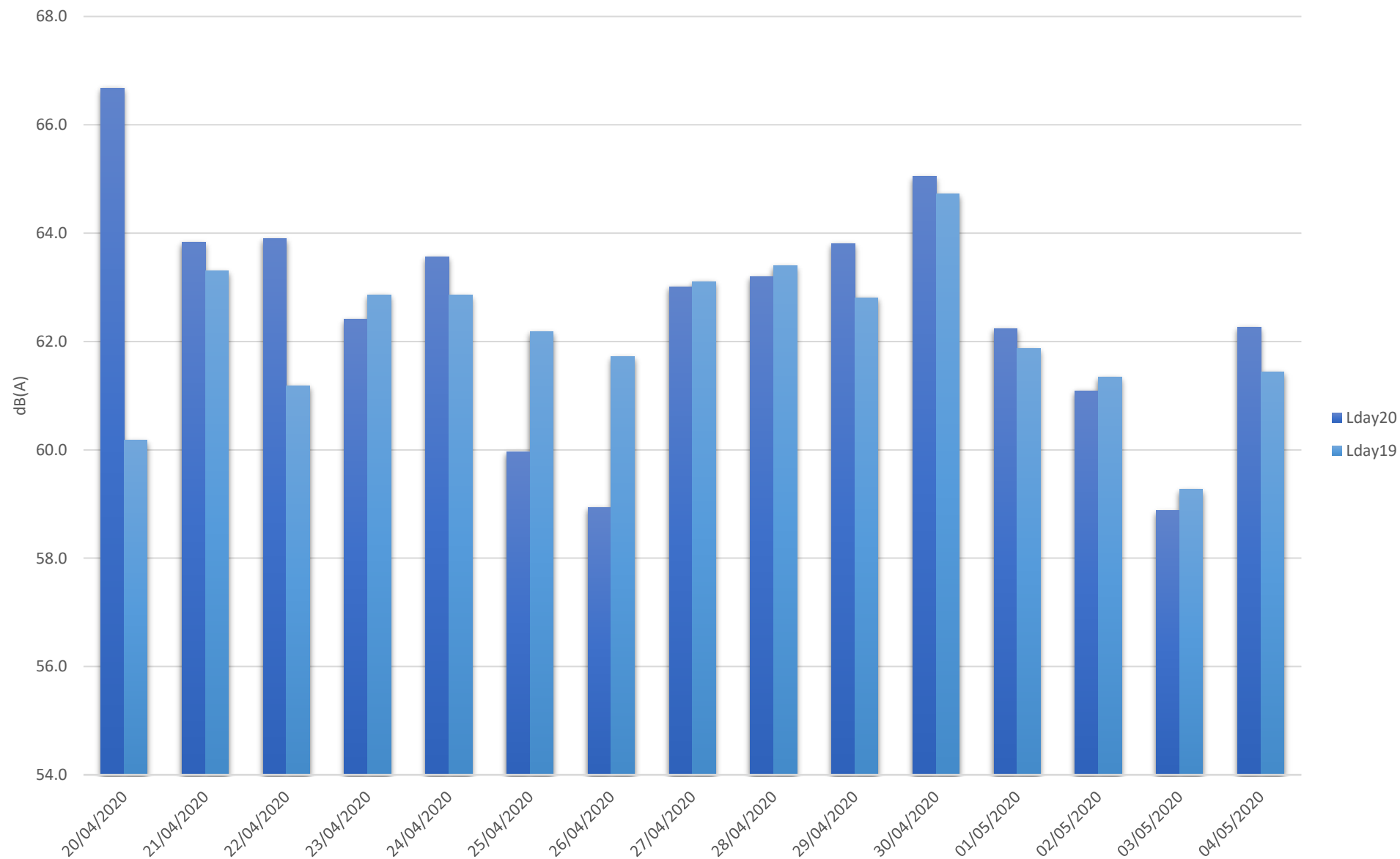
UTC+02:00																																			
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020		
Heure		49.5	50.1	51.9	50.3	48.1	50.8	48.0	51.3	47.8	47.5	57.6	51.3	53.7	52.4	51.2	51.3	47.1	50.8	52.5	50.1	47.8	50.9	53.2			16.3	59.3	55.5	49.2	51.6	49.3	52.3		
0-1		51.7	52.7	49.0	50.9	46.8	48.5	49.8	48.7	53.3	52.3	53.1	51.2	53.1	52.2	49.7	50.2	47.7	49.9	47.9	51.0	49.9	55.1	38.9			16.3	52.4	52.6	51.3	50.9	51.8	50.5		
1-2		49.4	51.9	49.9	47.1	47.9	47.5	47.6	46.8	48.4	46.3	52.0	51.9	49.1	52.0	47.9	50.7	48.9	48.6	49.0	49.3	49.3	60.2				50.3	55.7	49.0	47.4	49.2	48.3	50.9		
2-3		52.6	56.9	47.9	49.7	50.0	49.5	48.3	48.6	49.0	47.6	53.2	51.7	52.2	47.0	48.1	48.3	47.6	49.5	49.5	49.8	53.7	52.2				48.6	52.3	50.3	50.3	49.7	47.8	49.6		
3-4		51.4	53.2	50.9	55.0	49.6	51.7	49.9	53.7	49.7	48.0	51.3	57.5	53.7	47.1	55.6	48.6	50.1	50.5	54.2	51.4	54.2	56.0				50.2	49.9	49.8	50.9	52.6	54.0	50.5		
4-5		59.3	67.5	60.4	57.4	58.9	56.9	55.4	58.8	57.3	57.6	64.6	57.0	56.9	55.3	55.9	57.4	58.4	65.4	56.3	55.1	58.0	65.8				56.5	56.9	52.0	57.7	57.3	57.1	52.8		
5-6		60.9	60.8	63.7	62.3	61.8	59.8	57.5	60.9	59.8	59.9	64.7	61.3	60.7	54.6	61.7	60.2	60.7	60.5	61.5	57.1	58.1	67.8				59.6	59.3	65.3	60.5	60.8	62.0	53.4		
6-7		64.4	62.2	63.2	61.7	60.9	64.5	58.3	69.4	62.8	61.6	63.4	59.7	59.5	58.0	60.8	63.3	63.0	62.5	63.1	55.4	58.5	66.1				62.2	57.9	52.9	67.0	61.7	62.8	53.2		
7-8		62.6	63.8	65.2	62.7	64.2	58.9	54.6	60.9	62.2	64.3	67.3	58.9	61.5	56.5	63.8	62.1	61.6	62.0	63.3	55.6	54.2	67.3				63.2	59.3	54.2	64.3	63.6	65.4	52.5		
8-9		62.6	64.0	62.5	63.4	62.0	57.6	57.9	61.6	62.1	65.8	66.1	58.1	60.3	58.1	62.0	62.7	63.2	62.7	61.6	60.3	59.2	66.3				61.5	60.3	55.6	62.5	61.2	60.7	57.0		
9-10		61.7	64.7	64.9	63.2	61.9	59.8	59.4	60.2	62.6	63.0	66.8	64.4	61.4	59.3	64.5	61.0	61.6	60.2	59.8	59.9	58.4	66.9				62.8	60.5	56.9	60.6	60.7	60.8	57.2		
10-11		65.6	65.1	61.6	62.8	61.6	60.0	58.7	61.3	66.0	62.9	64.1	61.7	63.3	59.1	63.3	61.9	61.5	61.1	59.7	58.7	57.0	68.1				61.9	60.7	58.8	62.2	62.9	60.4	58.4		
11-12		64.3	62.9	62.0	60.9	61.4	57.5	58.2	61.1	64.7	68.7	60.1	62.9	61.9	58.6	62.2	60.8	60.4	61.7	60.3	58.1	58.6	66.3				63.0	59.1	63.3	59.9	60.1	61.0	59.3		
12-13		64.6	63.6	64.6	62.0	64.5	59.0	55.9	63.9	65.6	63.5	61.5	63.7	60.6	57.2	61.7	62.5	62.1	61.1	62.5	55.7	57.6	68.0				62.3	60.4	56.4	60.7	60.2	62.3	61.0		
13-14		63.6	64.1	63.6	61.3	64.7	58.8	59.1	60.9	62.8	62.2	65.0	63.4	60.6	58.1	63.1	61.4	62.3	59.8	60.2	57.7	62.4	63.6				59.7	59.0	67.9	60.6	61.1	60.4	56.8		
14-15		66.7	66.2	62.3	61.9	67.6	58.3	58.1	62.3	61.3	62.0	65.5	62.2	62.9	56.9	61.4	61.6	62.4	61.9	59.9	57.4	63.1	67.8				60.5	61.6	58.1	62.5	59.3	61.3	60.4		
15-16		64.0	63.3	67.5	62.2	61.2	58.9	62.3	60.8	60.9	62.6	66.8	60.1	60.4	61.7	60.5	61.9	60.4	62.5	59.6	58.6	58.5	64.9				61.9	61.0	59.0	60.9	60.7	61.6	67.7		
16-17		74.3	61.1	63.5	63.8	60.7	61.6	58.7	60.0	62.0	60.0	65.7	62.9	60.3	60.8	61.2	61.9	60.1	60.1	59.8	58.3	58.7	62.0				60.8	62.5	58.0	60.0	61.6	61.9	57.5		
17-18		64.2	62.6	61.2	62.0	65.4	58.6	61.1	61.6	61.6	60.9	62.5	63.8	57.7	59.1	60.3	60.4	59.7	61.0	60.5	58.4	58.7	64.5				63.1	61.5	61.4	60.9	60.7	59.9	59.9		
18-19		60.2	59.9	65.7	59.3	59.5	75.6	56.4	59.7	61.7	60.0	59.5	62.4	56.4	57.0	59.9	59.7	58.5	62.4	60.5	58.4	59.5	60.5				61.3	62.0	61.5	64.1	67.0	59.0	60.3		
19-20		59.9	58.6	57.9	62.0	58.2	57.3	62.4	58.4	58.4	59.1	60.1	59.3	56.1	58.1	57.9	59.1	58.3	60.1	59.2	56.2	57.3	58.6				58.8	60.1	58.2	58.0	60.5	60.9	57.9		
20-21		60.8	57.7	57.1	61.9	58.5	56.3	56.7	58.8	58.1	57.2	58.3	59.3	58.3	56.3	58.3	57.3	59.4	59.9	58.4	59.2	57.7	56.6				58.8	61.3	61.6	57.4	57.4	57.6	57.4		
21-22		55.8	58.1	56.6	56.3	57.9	55.3	53.7	55.6	57.0	54.9	70.4	56.2	55.1	53.0	55.4	54.7	56.3	54.2	54.0	55.8	56.1	55.8				64.5	58.5	53.9	54.7	55.4	56.2	56.7		
22-23		58.9	54.5	51.8	51.8	56.2	54.0	54.0	54.1	50.0	58.7	58.9	52.6	55.4	55.7	52.0	54.3	55.0	49.8	52.6	60.6	52.3	52.6				55.4	55.6	53.8	51.2	53.4	56.0	54.9		
23-24		66.7	63.8	63.9	62.4	63.6	60.0	58.9	63.0	63.2	63.8	65.0	62.2	61.1	58.9	62.3	61.9	61.7	61.5	61.1	58.1	59.3	66.3				62.0	60.5	60.8	62.3	61.6	61.7	60.4		
Σ <sub>Day</sub>		59.6	58.6	61.2	60.4	58.6	69.7	58.6	58.3	59.2	58.2	65.3	59.8	56.7	56.5	58.2	58.1	58.3	60.0	58.6	57.6	57.8	58.2				61.5	60.7	59.7	60.0	62.5	58.8	58.3		
Σ <sub>Evening</sub>		56.4	60.2	57.1	55.9	55.8	54.3	52.9	55.5	54.2	55.3	59.9	56.0	55.6	53.0	55.3	54.7	55.0	58.1	55.3	55.0	54.4	61.8				53.9	56.3	57.6	54.6	55.1	55.9	52.2		
Σ <sub>Night</sub>		66.3	67.0	65.6	64.4	64.5	68.0	61.5	64.0	63.7	64.3	68.2	64.3	63.2	61.1	63.7	63.2	63.3	65.3	63.3	62.3	62.2	68.8				63.8	64.1	64.8	63.7	64.4	63.9	61.7		

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020	Heure	Semaine	Weekend	Sem.+Wk
53.5	52.8	54.8	49.2	51.4	51.9	55.2	53.3	60.8	59.0	57.3	53.5	57.5	52.5	54.9	60.6	80.2	55.0	52.7	55.2	54.6	73.4	63.8	58.3	54.8	54.4	54.5	0-1	58.6	68.0	63.8
51.8	51.8	50.5	51.3	49.5	49.0	50.5	52.8	55.1	52.7	56.3	47.2	53.2	59.5	51.3	57.0	53.6	50.7	51.9	52.8	50.0	53.9	61.5	57.2	48.4	50.3	51.4	1-2	51.8	54.1	52.7
47.8	49.8	50.5	47.4	50.1	51.7	50.0	47.6	53.0	51.6	53.3	47.8	52.4	56.0	49.7	52.6	53.7	48.9	49.5	52.8	52.9	49.3	53.8	51.7	46.8	52.4	52.2	2-3	51.2	51.4	51.3
48.4	51.5	49.4	48.3	49.6	49.1	49.1	48.4	49.8	51.2	53.3	50.5	52.7	62.5	51.6	51.8	50.6	48.9	50.9	51.4	50.4	49.4	50.2	50.6	48.9	46.6	50.1	3-4	51.8	50.6	51.5
50.6	50.4	49.5	52.0	54.4	54.5	54.2	50.5	53.9	50.1	50.4	53.3	55.0	56.7	52.2	51.5	50.8	52.2	54.6	53.2	53.7	53.3	54.8	53.5	54.7	54.7	53.3	4-5	53.2	51.9	52.9
56.4	54.9	54.0	58.8	57.6	57.2	55.1	58.0	54.4	52.5	53.2	56.9	55.9	58.2	60.0	56.8	54.1	58.3	59.8	59.2	57.6	58.4	53.9	53.1	58.6	58.2	63.1	5-6	59.9	55.6	58.9
59.8	59.1	55.7	62.7	60.1	61.0	61.6	60.4	57.2	61.8	56.3	59.3	60.8	60.0	62.7	60.4	52.7	61.7	60.0	61.4	61.4	65.5	59.0	54.4	61.6	59.3	63.0	6-7	61.7	59.3	61.1
61.7	58.8	54.3	66.1	61.9	64.6	65.0	62.9	61.9	53.5	52.5	60.2	61.9	71.9	62.0	58.8	53.4	63.5	61.3	62.6	71.6	64.4	57.4	56.3	64.7	62.7	62.1	7-8	64.5	58.4	63.3
62.4	61.0	57.1	65.9	62.2	64.0	62.3	61.6	60.4	56.0	57.0	62.4	62.2	62.9	63.0	63.2	56.7	65.0	61.8	61.3	61.6	62.0	59.8	55.4	61.8	61.0	61.8	8-9	63.2	58.6	62.2
59.5	62.6	57.4	62.7	61.4	64.4	63.4	63.1	64.0	58.4	60.6	64.7	61.5	60.9	63.5	62.1	57.4	61.8	62.3	60.8	61.8	62.2	60.8	59.4	61.3	62.3	62.0	9-10	62.6	59.8	61.9
60.8	63.4	58.4	62.1	61.9	62.2	67.8	62.7	62.3	59.6	59.7	59.9	66.7	62.1	63.0	62.2	59.0	61.3	60.7	61.1	61.4	61.9	60.7	56.9	61.8	62.8	62.4	10-11	62.9	60.1	62.2
60.8	62.2	59.2	62.5	73.4	62.5	64.7	60.5	62.8	59.1	59.3	61.1	62.7	61.0	63.6	65.6	60.2	65.0	61.3	61.0	59.6	64.0	61.8	59.7	63.9	63.0	61.6	11-12	63.9	61.0	63.1
60.2	61.6	62.1	61.8	61.2	63.3	63.6	64.6	64.0	60.7	60.7	61.1	62.6	60.4	62.4	61.3	61.0	60.8	60.5	67.0	62.4	60.9	61.5	59.9	61.0	61.6	61.9	12-13	62.6	60.8	62.2
65.4	59.8	57.7	61.0	61.0	62.2	62.1	64.9	61.3	59.9	59.5	61.3	66.5	70.4	63.3	63.6	60.7	62.2	61.3	61.2	60.6	63.7	59.9	59.7	62.2	61.9	63.5	13-14	63.6	59.4	62.7
61.9	60.4	62.1	70.3	62.8	63.8	63.5	62.4	61.4	59.0	58.4	62.3	61.6	59.9	63.7	61.2	60.0	60.8	62.0	61.3	63.6	60.8	62.5	60.1	62.7	60.2	62.1	14-15	62.8	61.6	62.5
66.3	61.8	59.8	63.4	62.4	62.4	62.2	62.1	62.1	63.7	63.6	60.4	59.4	60.1	66.5	65.4	61.1	60.4	61.3	61.1	59.4	60.8	62.1	60.6	61.3	62.0	65.8	15-16	63.1	61.3	62.7
63.1	64.7	61.3	61.0	63.4	61.1	62.3	62.5	63.9	59.5	61.1	63.6	63.1	61.9	63.7	64.1	57.8	60.3	62.0	60.6	61.2	60.8	61.9	61.0	59.8	64.3	64.3	16-17	62.7	62.4	62.7
64.2	65.2	58.8	62.1	67.4	63.7	62.0	60.1	63.4	61.2	60.4	60.1	60.8	59.7	62.0	62.0	59.0	61.1	61.0	61.6	60.6	61.1	62.4	67.1	60.6	60.8	64.4	17-18	63.4	62.0	63.0
63.4	62.7	59.6	61.4	59.9	60.2	60.5	61.0	62.0	62.1	64.8	64.3	59.8	60.1	66.4	63.2	58.9	60.6	59.8	61.3	61.8	60.6	63.5	59.8	63.2	61.3	65.3	18-19	62.2	61.0	61.9
61.9	59.8	61.4	60.4	60.9	61.0	63.9	59.8	60.0	62.8	59.4	62.4	60.0	60.1	61.9	60.6	60.7	59.4	60.4	60.8	62.2	65.0	60.9	60.5	59.3	60.5	61.6	19-20	61.5	64.8	62.8
58.9	60.0	58.2	59.4	60.2	60.6	60.0	60.6	59.3	59.2	65.0	78.2	64.2	60.9	62.2	61.2	58.5	65.5	60.3	62.3	62.0	72.0	59.9	58.9	59.1	60.4	61.3	20-21	64.9	59.1	63.8
58.8	60.0	59.0	59.0	59.1	61.2	58.8	63.3	71.1	61.8	58.5	59.0	61.1	59.8	60.2	58.9	57.4	58.3	58.9	60.0	60.7	60.0	60.9	60.3	59.5	59.5	61.0	21-22	59.3	61.8	60.3
58.5	59.0	56.0	56.5	56.5	58.7	58.6	58.7	59.5	57.8	58.2	58.2	61.0	58.1	60.0	59.5	58.7	55.7	58.0	58.6	59.4	58.6	58.2	57.4	60.5	58.3	59.0	22-23	59.5	57.0	58.8
58.8	54.6	52.7	57.1	53.5	58.0	57.7	60.1	58.3	55.3	54.5	57.3	57.6	59.1	60.3	58.5	55.6	56.5	54.8	58.1	58.6	65.7	58.0	57.6	57.9	57.3	56.4	23-24	57.2	56.0	56.8
63.0	62.4	59.5	64.4	65.5	63.1	63.7	62.6	62.6	60.1	60.7	62.1	63.0	65.1	63.8	63.1	59.2	62.2	61.3	62.2	63.9	62.1	61.4	60.8	62.3	61.7	63.4	Z <sub>Day</sub>	63.2	60.7	62.5
59.8	59.7	59.1	59.1	59.5	60.5	60.9	61.0	66.0	60.8	61.3	72.4	61.9	59.8	61.2	60.1	59.0	61.4	59.5	60.6	61.2	67.1	60.1	59.4	59.6	59.7	60.9	Z <sub>Evening</sub>	62.0	61.7	61.9
55.4	54.2	52.8	56.5	55.0	56.0	56.1	56.3	56.5	56.3	54.8	55.0	56.6	58.9	57.8	57.4	71.2	56.2	55.9	56.9	56.6	65.8	58.9	55.3	56.5	55.7	58.3	Z <sub>Night</sub>	57.4	60.3	58.5
64.2	63.5	61.8	65.2	65.2	64.7	65.0	64.7	66.5	64.1	63.6	70.4	65.2	66.7	65.9	65.3	76.5	64.7	63.9	64.9	65.4	72.1	65.8	63.4	64.5	63.9	66.0	L <sub>GEN</sub>	65.7	66.9	66.1



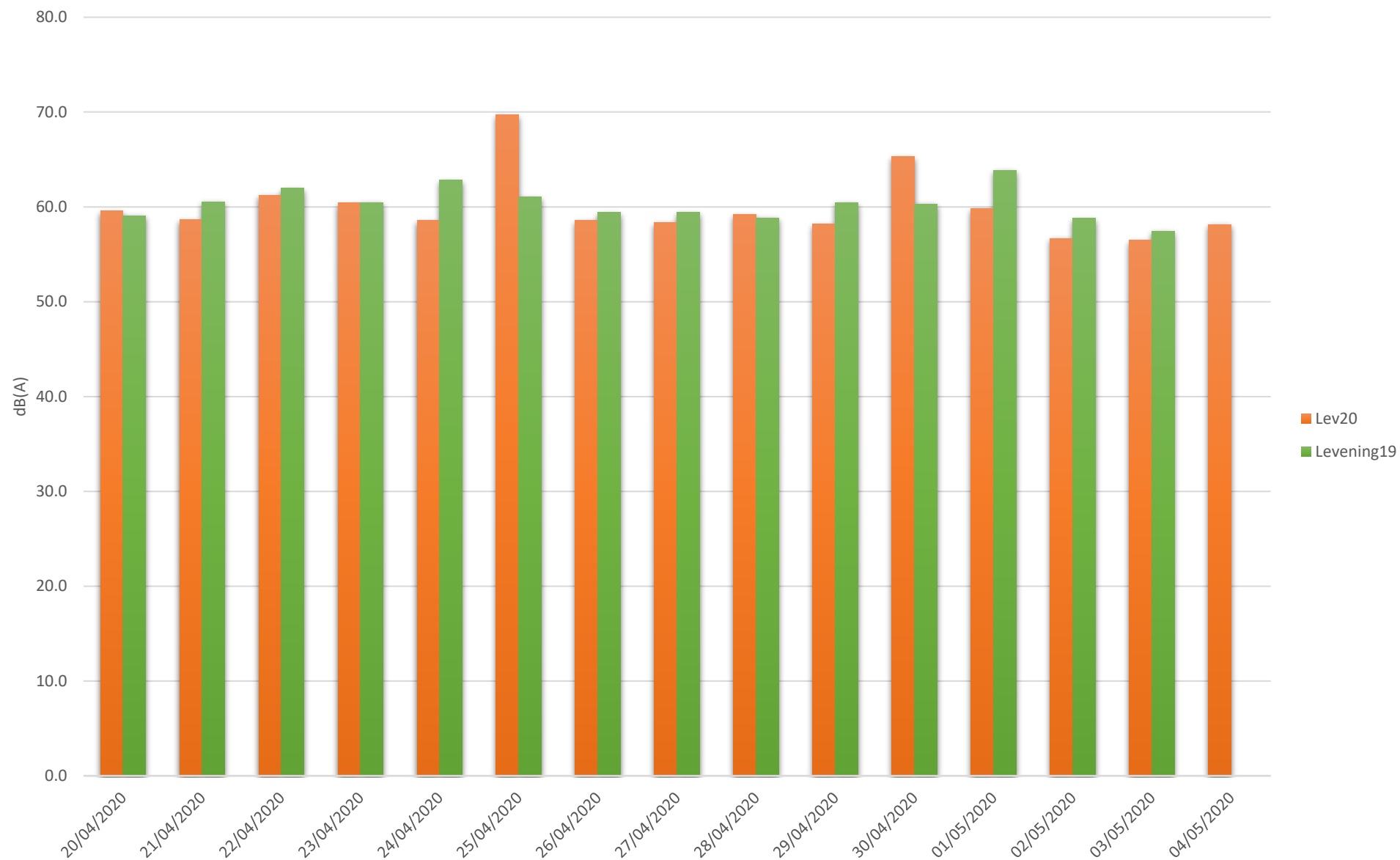


### O314 Corrélation Phase 1 Ind

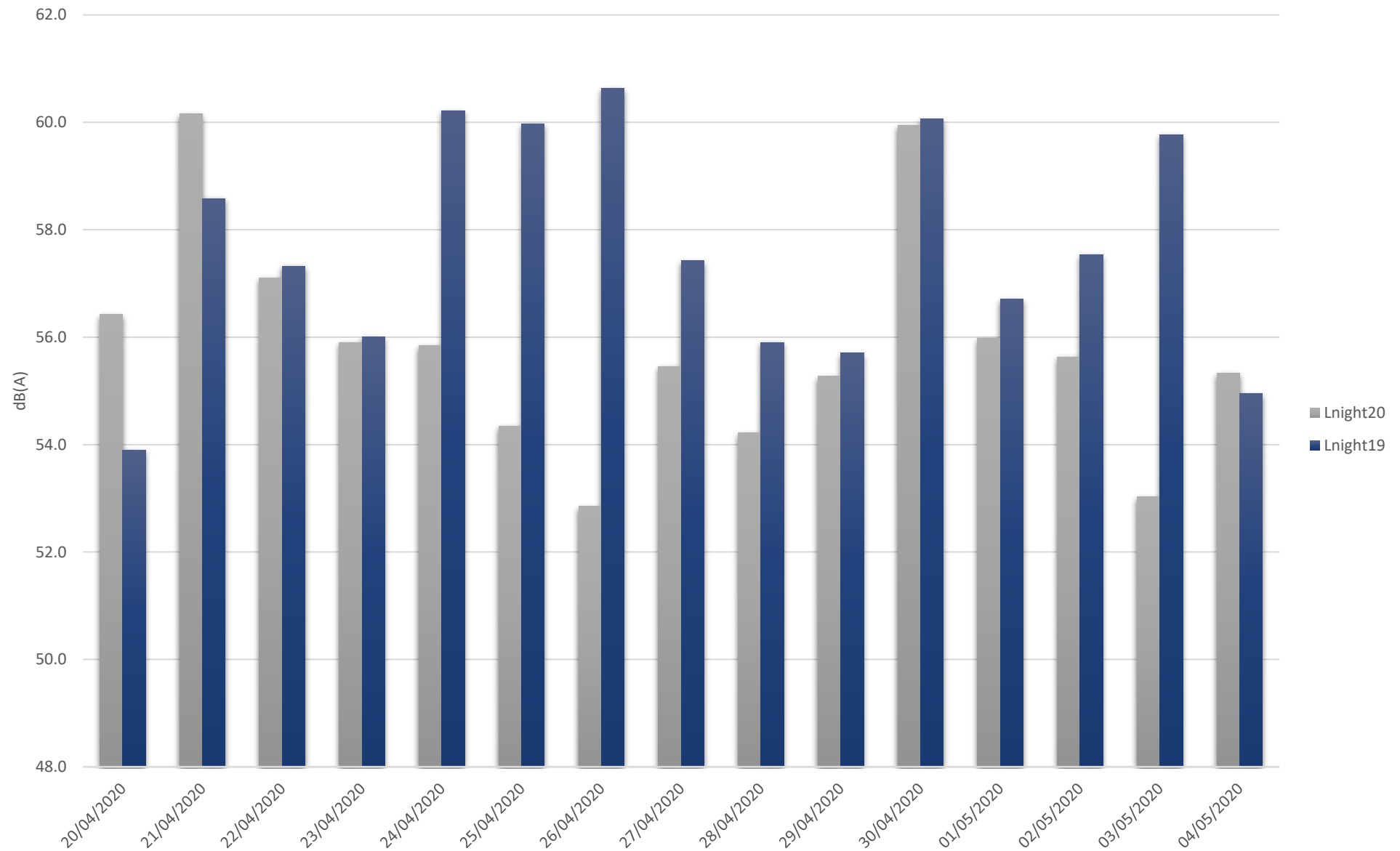




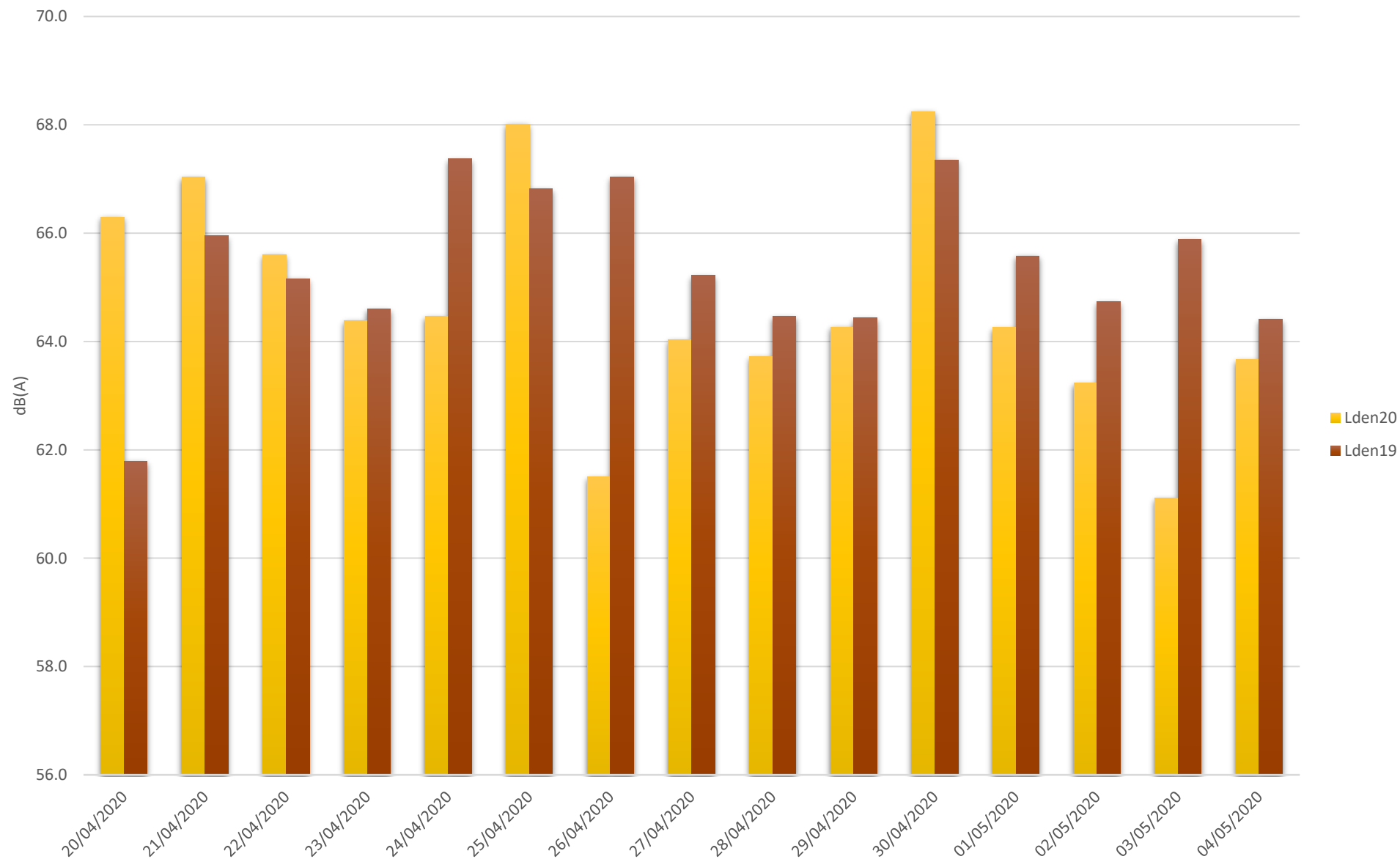
### O314 Corrélation Phase 1 Ind



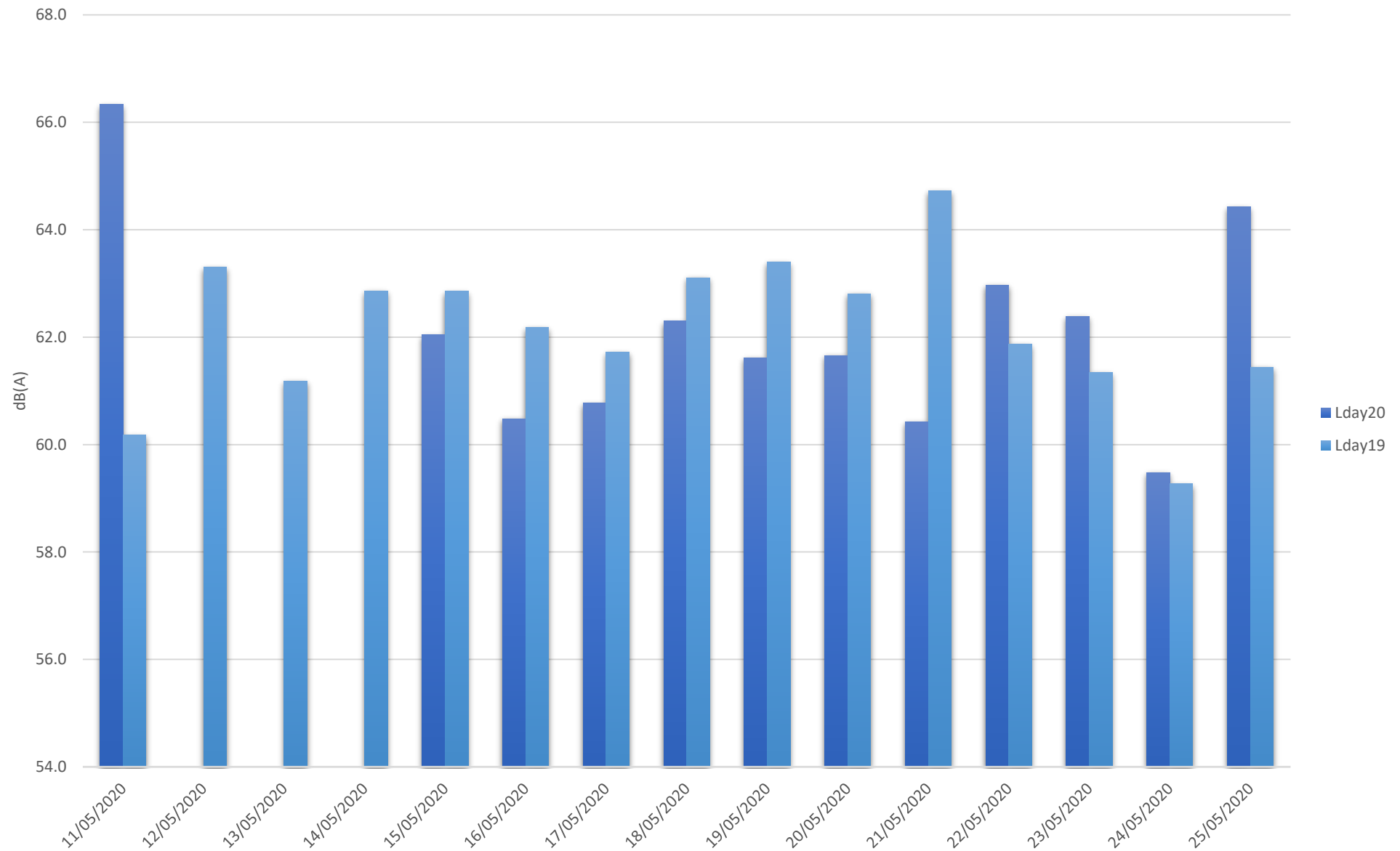
### O314 Corrélation Phase 1 Ind



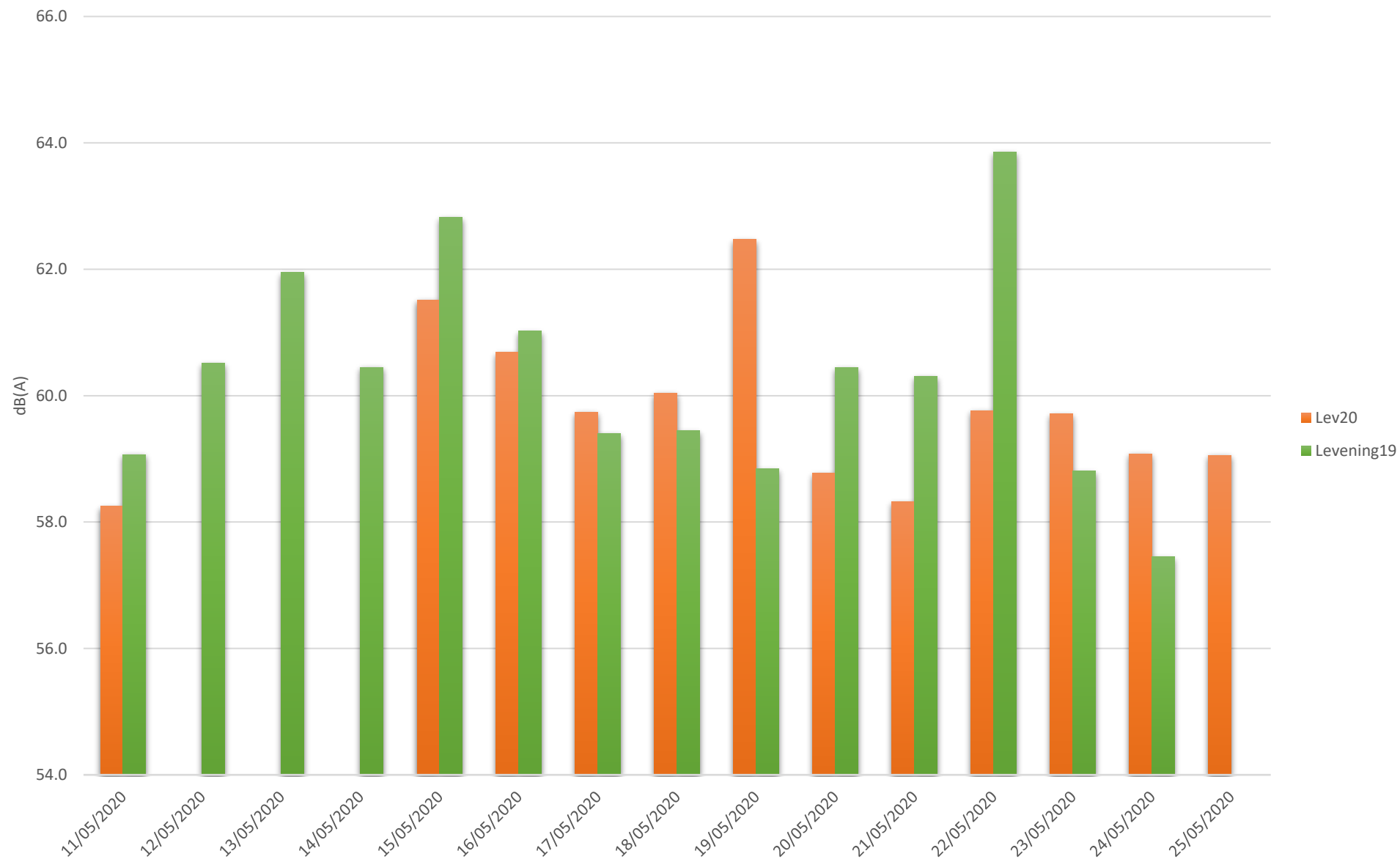
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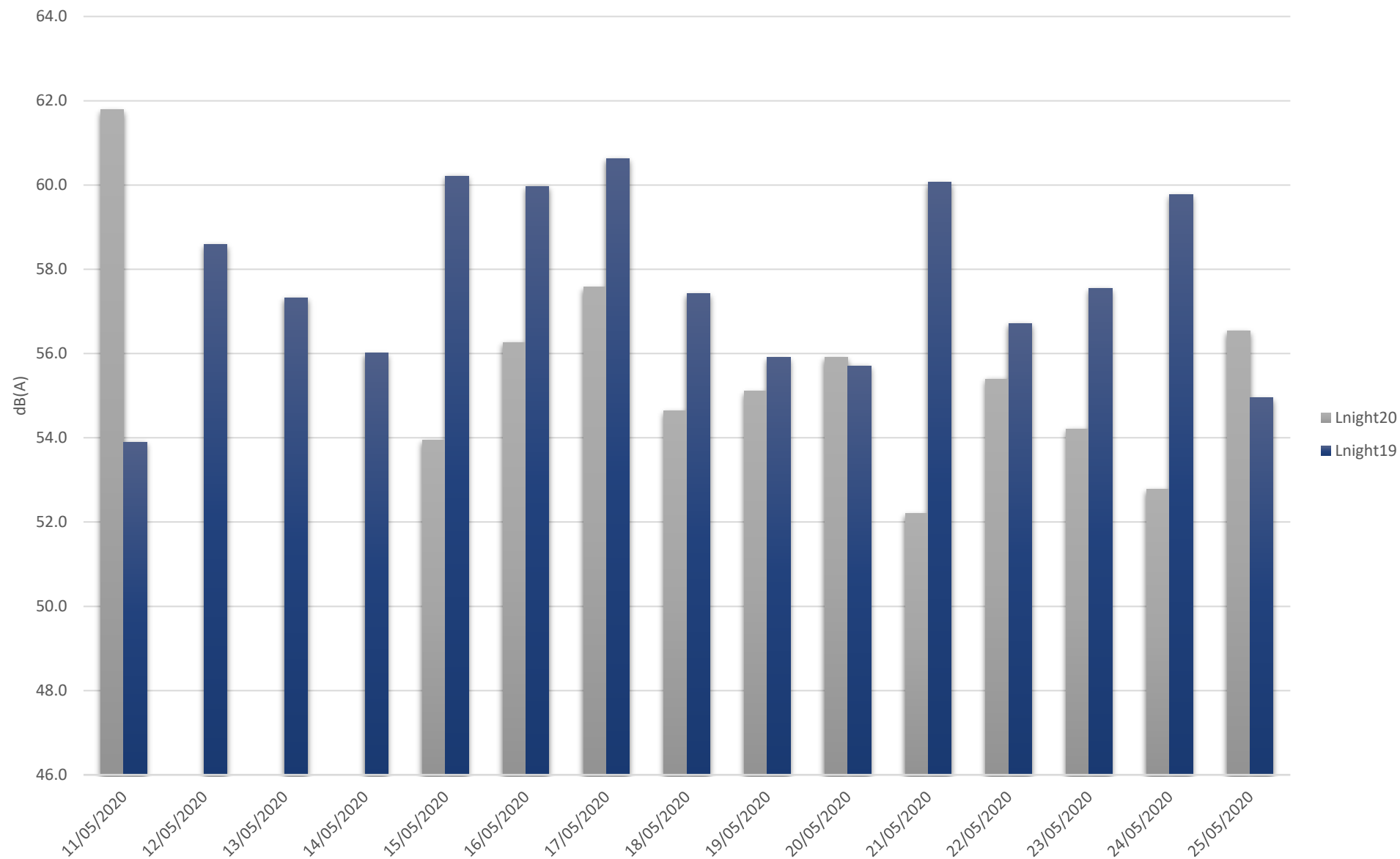
## O314 Corrélation Phase 2 Ind



## O314 Corrélation Phase 2 Ind

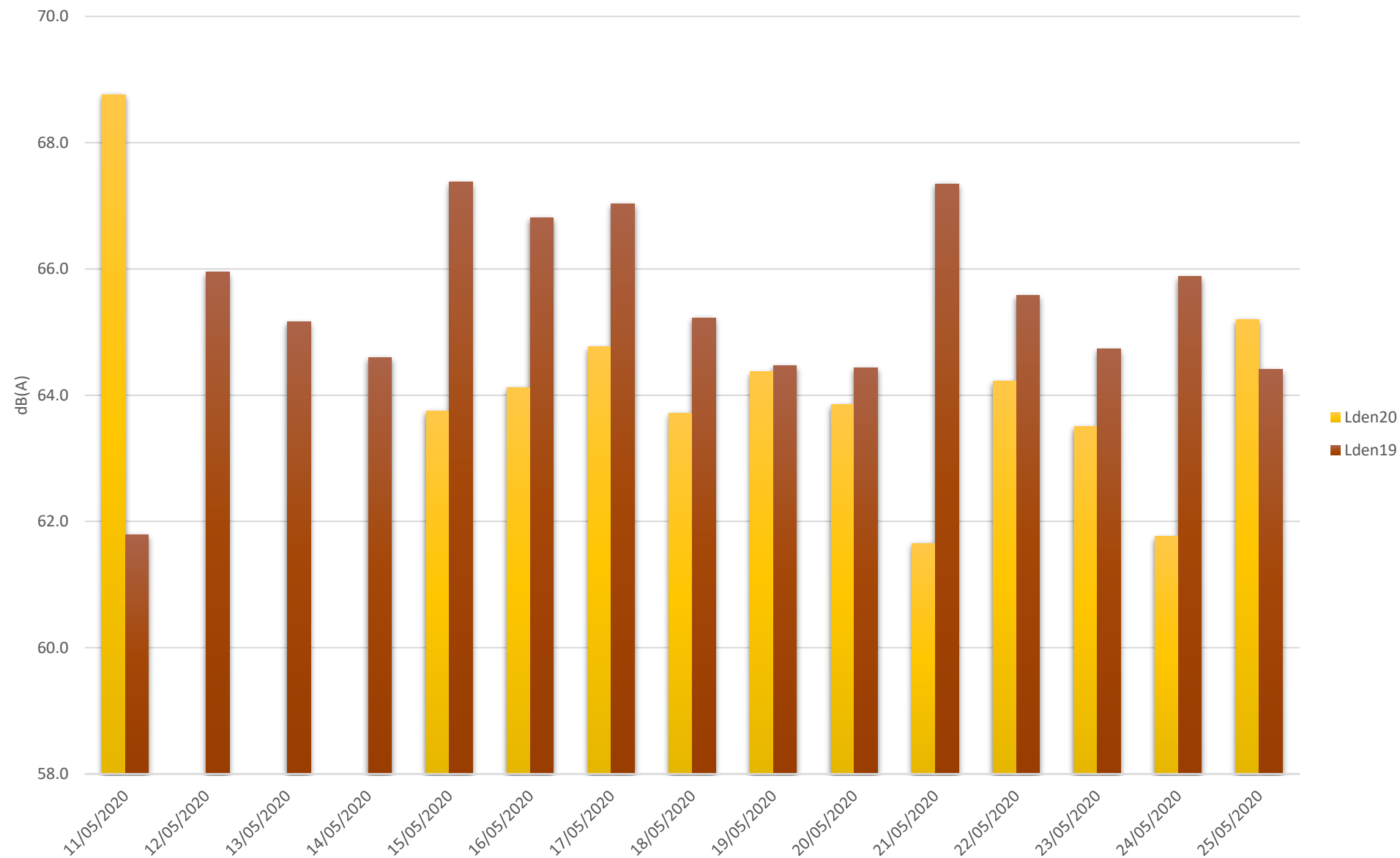


## O314 Corrélation Phase 2 Ind

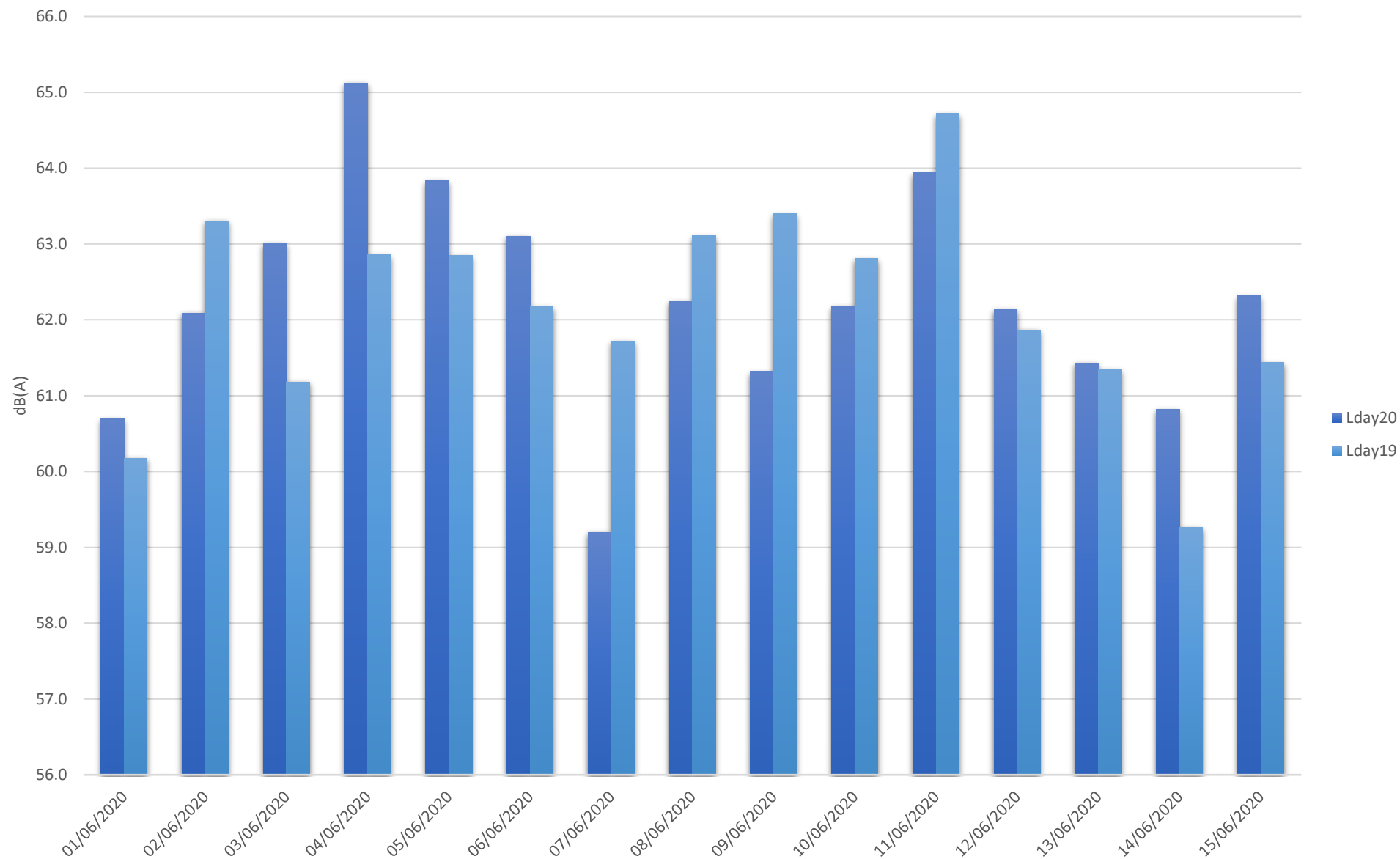




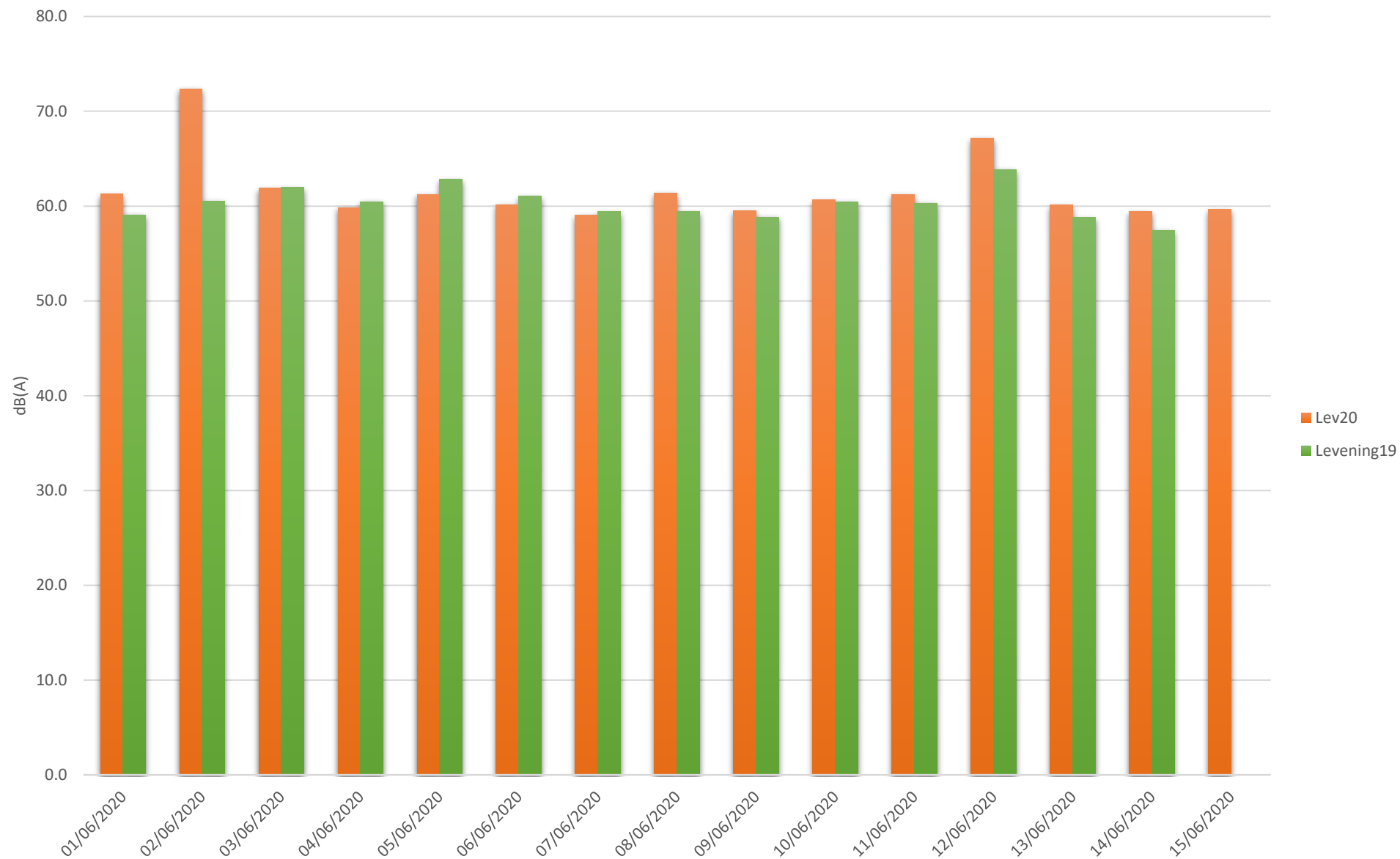
## O314 Corrélation Phase 2 Ind



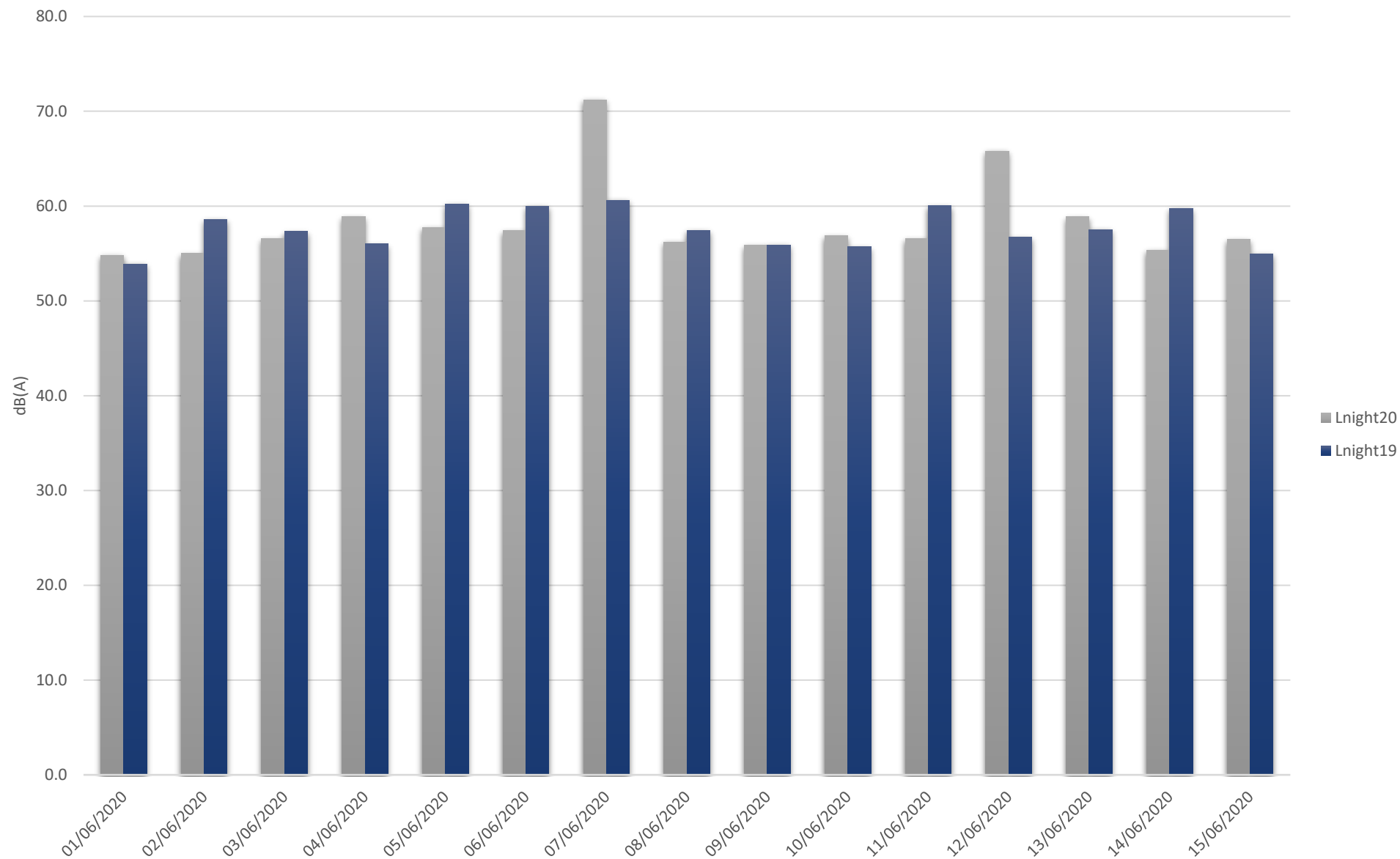
### O314 Corrélation Phase 3 Ind



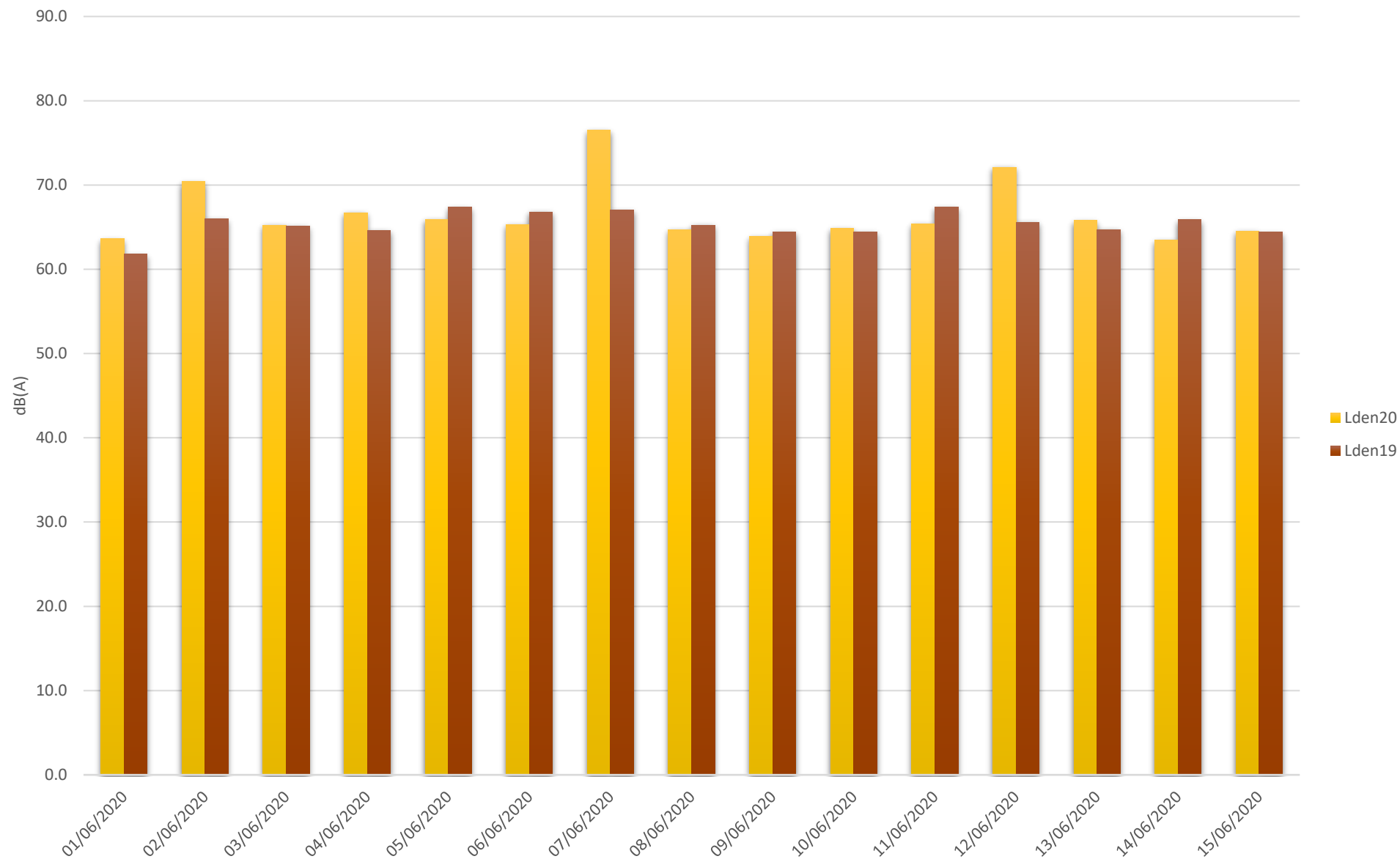
### O314 Corrélation Phase 3 Ind




### O314 Corrélation Phase 3 Ind



### O314 Corrélation Phase 3 Ind



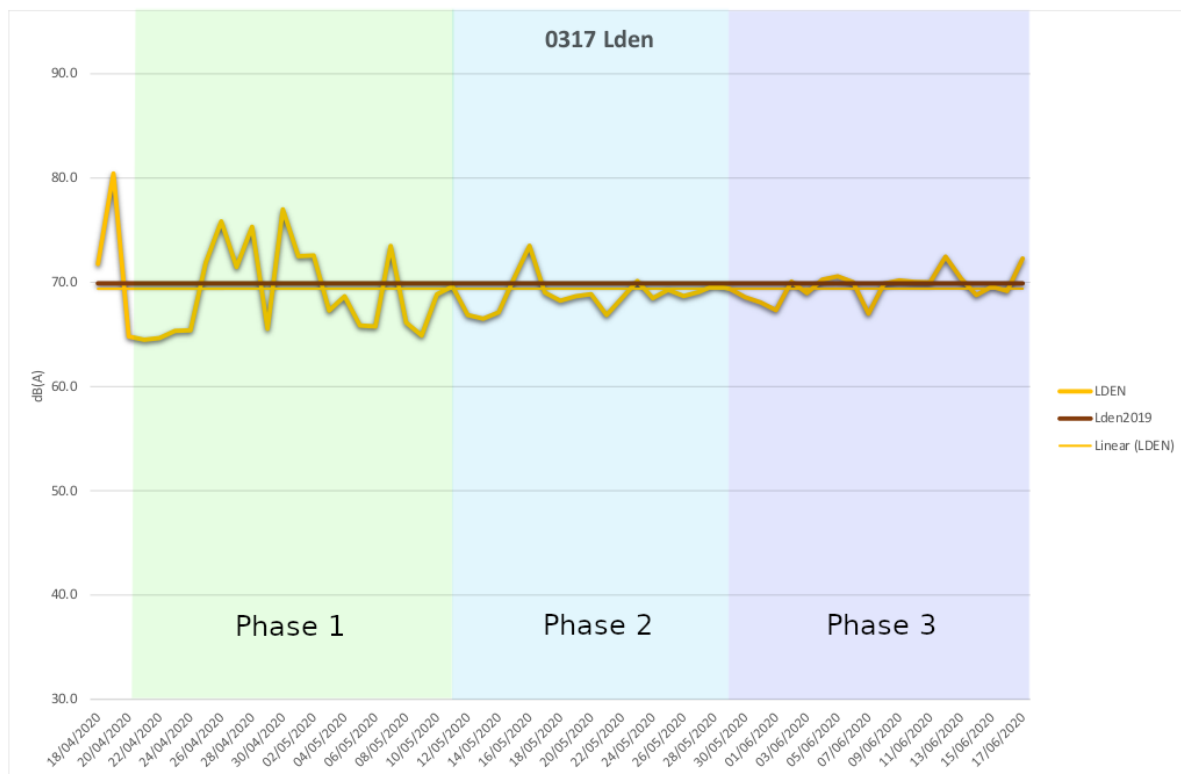
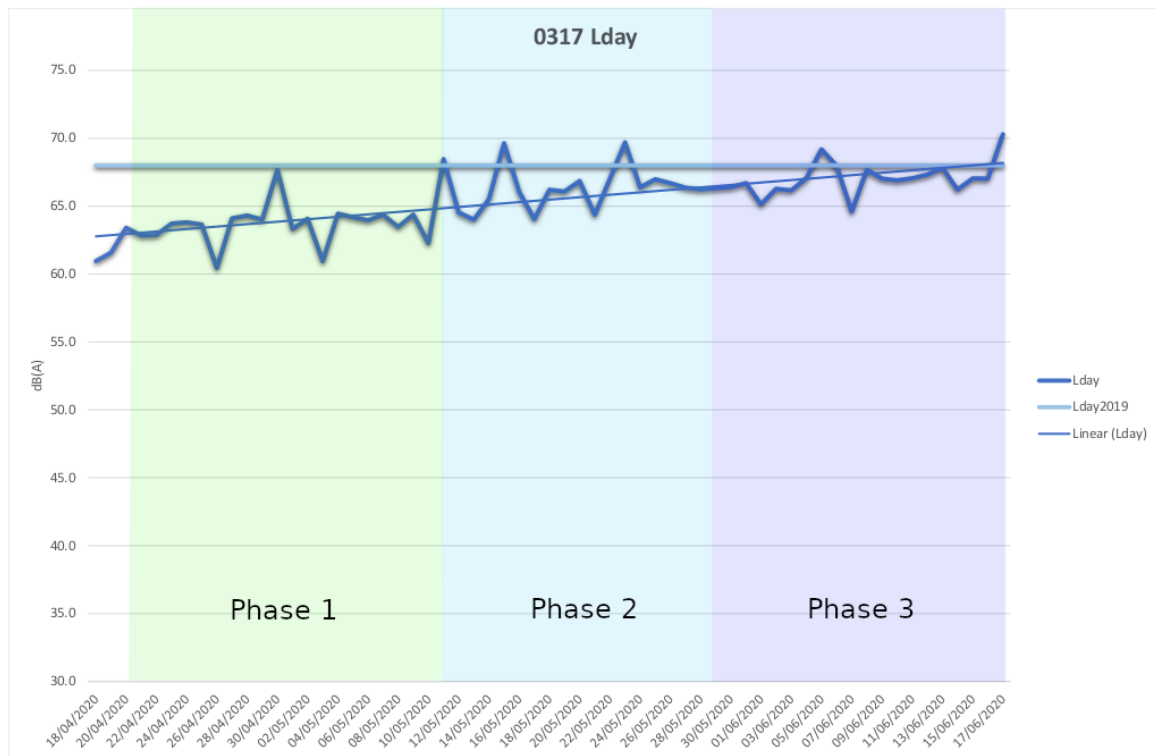
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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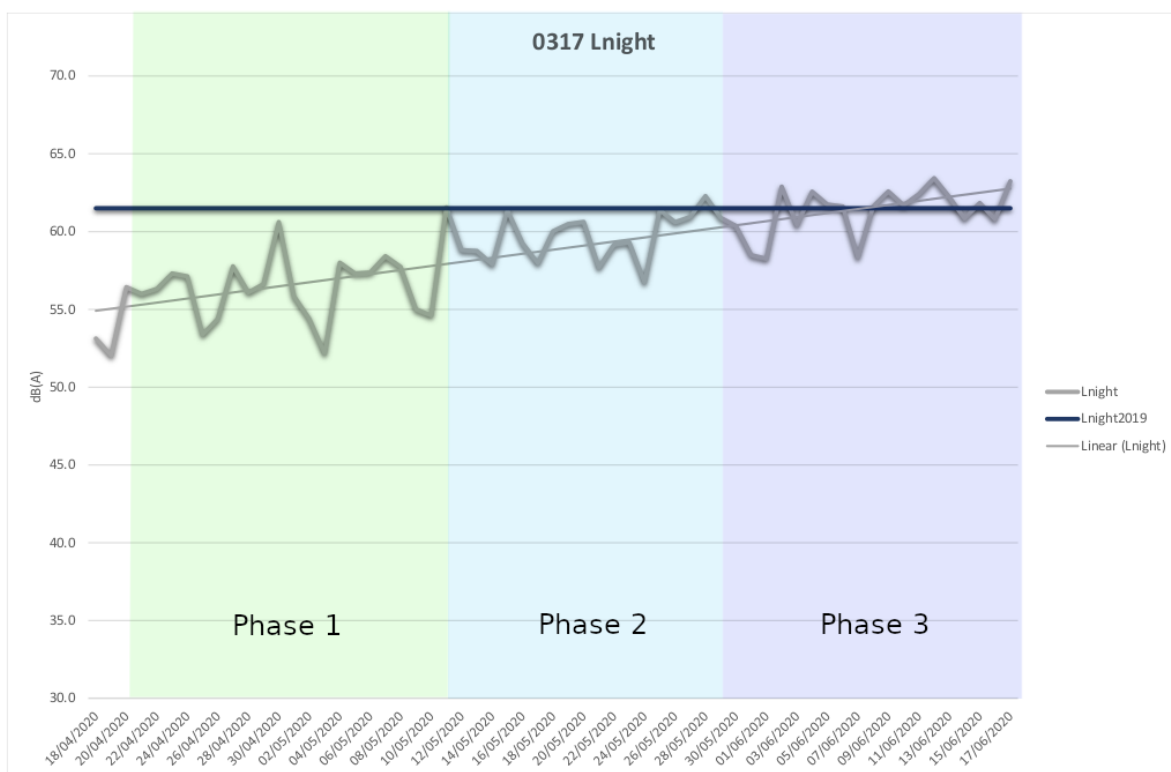
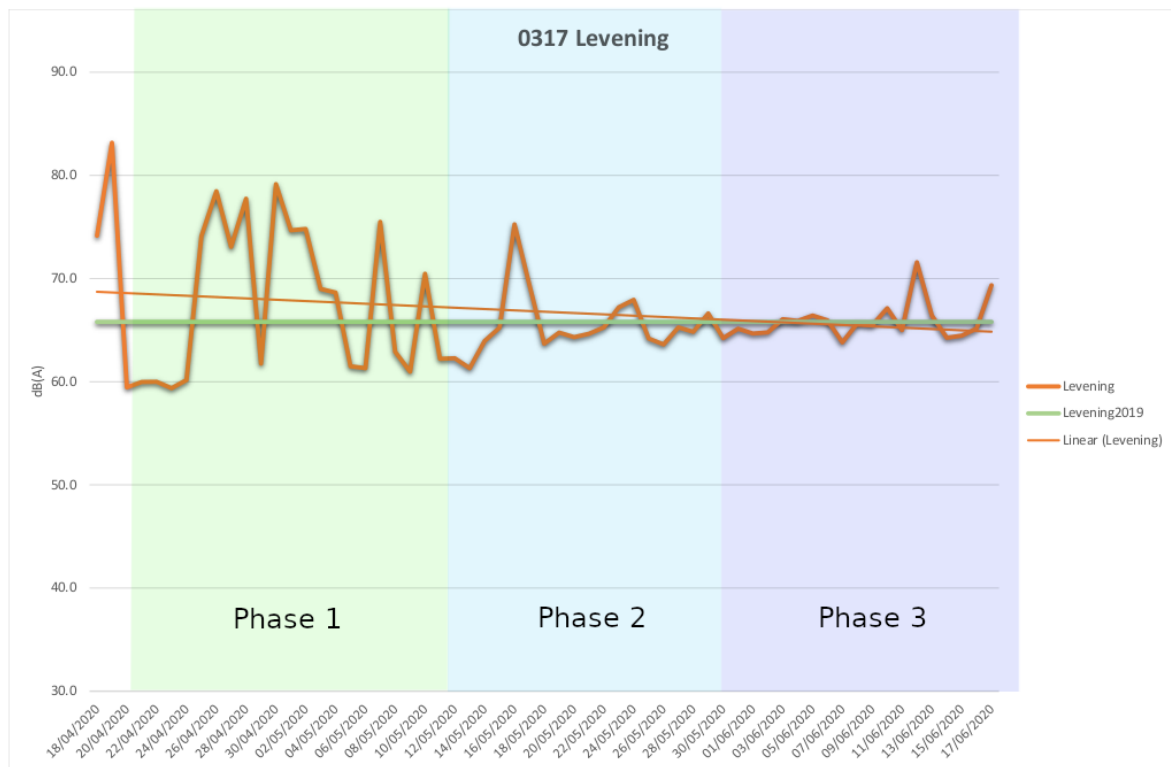
Point ID:	0317 (Dude_054)		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Dudelange		
Address:	Route de Luxembourg 74		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	73797 E	61469 N	209,4
<b>Measurements</b>			
Start:	17/04/20 15:40		
Finish:	18/06/20 08:10		
<b>Point description</b>			
Microphone height:	2.5		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

IP0317 UTC+02:00																																	
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020
Heure																																	
0-1		52.5	42.2	48.8	46.5	48.7	48.0	50.1	51.2	53.6	52.4	59.6	58.0	50.7	55.5	53.8	54.8	44.0	36.8	50.9	56.1	55.9	44.9	55.3	55.4	52.9	57.8	59.1	60.1	56.4	53.1	52.7	63.4
1-2		38.4	51.7	36.5	37.8	49.7	49.9	53.4	36.8	36.6	53.0	48.5	47.1	45.5	50.6	44.3	48.2	51.9	45.1	45.2	52.7	53.1	48.8	51.9	53.9	52.4	49.7	54.4	58.6	51.8	52.0	57.0	54.2
2-3		38.1	48.2	37.4	45.4	36.8	37.4	56.2	51.4	51.8	48.2	40.0	50.3	47.3	52.8	44.3	52.8	46.4	38.4	52.0	49.7	46.3	45.3	52.2	45.3	48.7	38.2	55.3	57.7	39.7	42.2	49.0	54.4
3-4		50.2	38.3	46.3	44.7	40.3	38.5	43.0	50.8	41.9	47.8	43.5	44.4	48.5	42.9	47.8	38.1	43.4	48.1	52.6	47.6	47.4	53.0	37.5	38.6	45.0	52.7	54.8	39.1	45.1	51.7	40.5	54.1
4-5		52.3	48.6	51.7	54.2	53.2	55.7	45.6	50.9	46.4	53.1	53.6	46.2	51.3	38.9	56.7	47.3	55.2	55.3	56.0	46.2	57.9	55.1	53.1	53.8	51.7	52.9	55.8	48.7	57.4	55.5	57.2	50.9
5-6		55.7	56.7	56.9	60.1	60.6	56.9	55.3	60.9	57.0	58.5	61.8	60.0	58.5	51.5	60.4	60.0	59.6	60.8	60.6	58.2	57.3	65.7	61.5	62.3	61.0	64.7	62.3	56.2	63.6	63.8	62.5	51.0
6-7		64.0	63.4	63.7	64.2	63.4	58.2	58.8	64.7	63.0	63.3	66.8	58.0	59.4	52.3	64.5	63.9	63.9	65.2	63.8	57.8	55.4	68.2	64.5	64.9	64.2	67.6	60.8	61.2	66.2	66.6	66.8	56.9
7-8		63.4	64.4	62.9	63.6	65.2	60.5	55.2	63.9	61.8	63.4	64.4	59.7	61.0	56.9	66.5	63.6	64.7	65.7	63.7	63.2	58.6	68.6	64.5	64.3	64.9	66.4	64.2	60.4	65.6	66.6	68.4	59.6
8-9		61.4	62.8	62.6	63.3	63.4	61.2	58.5	62.9	63.5	62.0	65.3	59.4	62.3	53.3	63.2	62.4	63.5	63.5	64.8	63.2	60.3	68.1	64.6	63.8	63.9	66.4	64.9	61.7	65.8	65.8	66.8	61.0
9-10		65.6	62.4	62.5	62.9	63.5	65.3	61.0	65.1	64.1	63.0	62.8	63.2	63.5	61.0	64.1	63.8	62.8	64.9	63.3	66.9	61.8	68.6	64.0	64.6	64.4	65.6	66.5	65.0	67.3	65.3	65.8	63.9
10-11		63.8	61.1	62.6	63.0	65.6	64.5	62.0	64.5	64.4	64.5	64.8	65.3	63.9	61.8	64.7	67.3	64.0	64.0	63.7	66.5	63.3	68.7	65.1	64.2	63.5	66.2	65.5	63.8	66.6	65.6	68.0	68.1
11-12		62.4	62.3	63.7	63.5	63.3	63.4	60.8	62.7	66.0	64.5	66.9	63.6	65.0	59.9	63.3	64.6	62.1	63.8	63.7	65.4	60.8	66.1	64.0	65.3	64.5	66.9	66.7	65.1	65.5	66.7	66.7	65.7
12-13		62.1	63.1	62.2	62.4	62.6	63.9	60.8	62.7	66.4	64.7	73.4	64.2	64.6	61.7	64.0	63.2	64.8	65.2	62.6	65.6	62.6	67.4	65.8	63.7	65.2	74.9	65.1	64.2	65.9	66.4	66.2	64.4
13-14		63.5	62.5	63.2	62.0	63.2	63.5	60.9	64.4	64.5	66.3	63.6	61.9	63.7	61.9	64.6	63.4	63.5	65.0	62.7	62.5	61.9	67.6	63.9	63.6	64.2	65.9	67.0	63.1	66.4	65.7	67.0	64.1
14-15		64.2	61.8	62.8	66.2	64.1	63.1	61.3	63.6	64.4	63.2	66.1	65.7	66.1	59.6	66.0	63.4	64.2	64.9	63.3	62.7	63.2	66.8	65.2	63.0	64.9	75.5	67.0	65.3	65.7	66.6	66.9	64.1
15-16		62.8	62.9	62.8	65.7	62.8	63.2	60.4	64.8	64.1	64.4	67.6	64.1	66.0	61.3	64.6	63.7	66.5	65.6	63.2	62.0	65.0	74.1	63.3	62.0	69.5	66.0	66.6	64.0	66.0	66.1	66.3	64.5
16-17		62.6	63.0	62.5	63.5	64.1	63.4	60.2	63.5	63.9	64.2	68.3	63.0	63.9	61.1	63.3	63.7	63.4	63.0	62.8	63.5	61.5	65.3	65.0	64.1	66.0	66.7	66.8	64.7	65.4	66.6	67.5	64.5
17-18		63.8	64.2	63.3	63.5	63.6	66.4	60.0	64.9	63.2	63.8	69.6	60.8	63.7	63.5	62.9	64.5	63.5	62.4	63.3	61.2	62.3	64.5	64.9	64.5	66.2	67.3	66.5	64.3	66.4	66.1	66.0	63.6
18-19		63.5	62.5	63.4	62.9	63.5	62.0	61.2	65.1	63.5	62.3	66.9	64.0	62.4	62.2	64.6	64.4	62.7	63.0	64.1	65.4	62.7	65.2	63.5	64.2	65.2	66.3	64.9	64.4	67.4	65.3	65.8	63.6
19-20		62.0	60.8	61.6	61.1	62.7	60.7	72.2	66.9	74.3	63.0	64.4	64.8	71.6	59.4	69.8	63.1	63.1	67.3	63.9	62.5	61.9	63.2	64.0	63.1	65.3	67.1	66.8	65.0	66.1	66.2	65.8	64.5
20-21		59.2	61.4	60.5	60.2	60.8	80.0	84.2	78.8	83.2	61.8	85.1	80.5	80.2	74.7	72.6	62.5	62.5	81.3	62.0	60.9	76.2	63.5	63.5	62.4	65.0	66.3	81.0	74.2	63.2	65.7	65.0	63.3
21-22		58.2	59.9	60.1	58.7	58.6	57.6	58.1	58.8	59.8	58.1	61.7	57.7	61.8	58.8	59.6	60.0	59.4	60.9	60.2	59.9	59.4	61.2	60.4	59.5	62.9	63.6	63.5	65.7	62.4	63.3	62.8	67.3
22-23		56.6	56.2	56.2	56.0	56.0	55.9	56.5	57.5	57.4	62.7	61.7	59.0	58.9	56.2	57.3	59.1	58.5	58.8	64.4	60.1	58.8	60.2	59.7	58.8	61.4	62.1	62.2	62.7	61.6	62.9	62.8	61.3
23-24		51.5	53.6	55.1	54.5	55.7	46.4	54.8	47.0	54.5	50.8	62.3	57.6	53.2	55.0	55.1	53.8	55.9	57.7	54.8	56.7	50.7	56.8	59.9	56.0	56.3	60.8	62.3	59.2	55.7	60.4	61.3	59.9
Σ <sub>Day</sub>		63.4	62.8	62.9	63.7	63.8	63.6	60.4	64.1	64.3	64.0	67.7	63.3	64.1	60.9	64.5	64.2	64.0	64.4	63.5	64.4	62.3	68.5	64.5	64.0	65.5	69.6	66.1	64.0	66.2	66.1	66.9	64.4
Σ <sub>Evening</sub>		59.5	60.0	60.0	59.4	60.2	74.1	78.5	73.1	77.7	61.8	79.2	74.7	74.8	69.0	68.6	61.5	61.3	75.5	62.9	61.0	70.5	62.2	62.3	61.3	63.9	65.2	75.2	69.4	63.7	64.8	64.3	64.6
Σ <sub>Night</sub>		56.4	56.0	56.3	57.3	57.1	53.4	54.4	57.8	56.1	56.6	60.6	55.8	54.4	52.2	58.0	57.3	57.4	58.4	57.7	55.0	54.6	61.6	58.8	58.8	57.9	61.4	59.2	58.0	60.0	60.5	60.6	57.7
L <sub>DEN</sub>		64.8	64.5	64.7	65.3	65.4	71.9	75.8	71.5	75.3	65.5	77.0	72.5	72.6	67.3	68.7	65.9	65.8	73.5	66.1	64.9	68.8	69.6	66.9	66.5	67.1	70.4	73.5	69.0	68.2	68.7	68.9	66.9

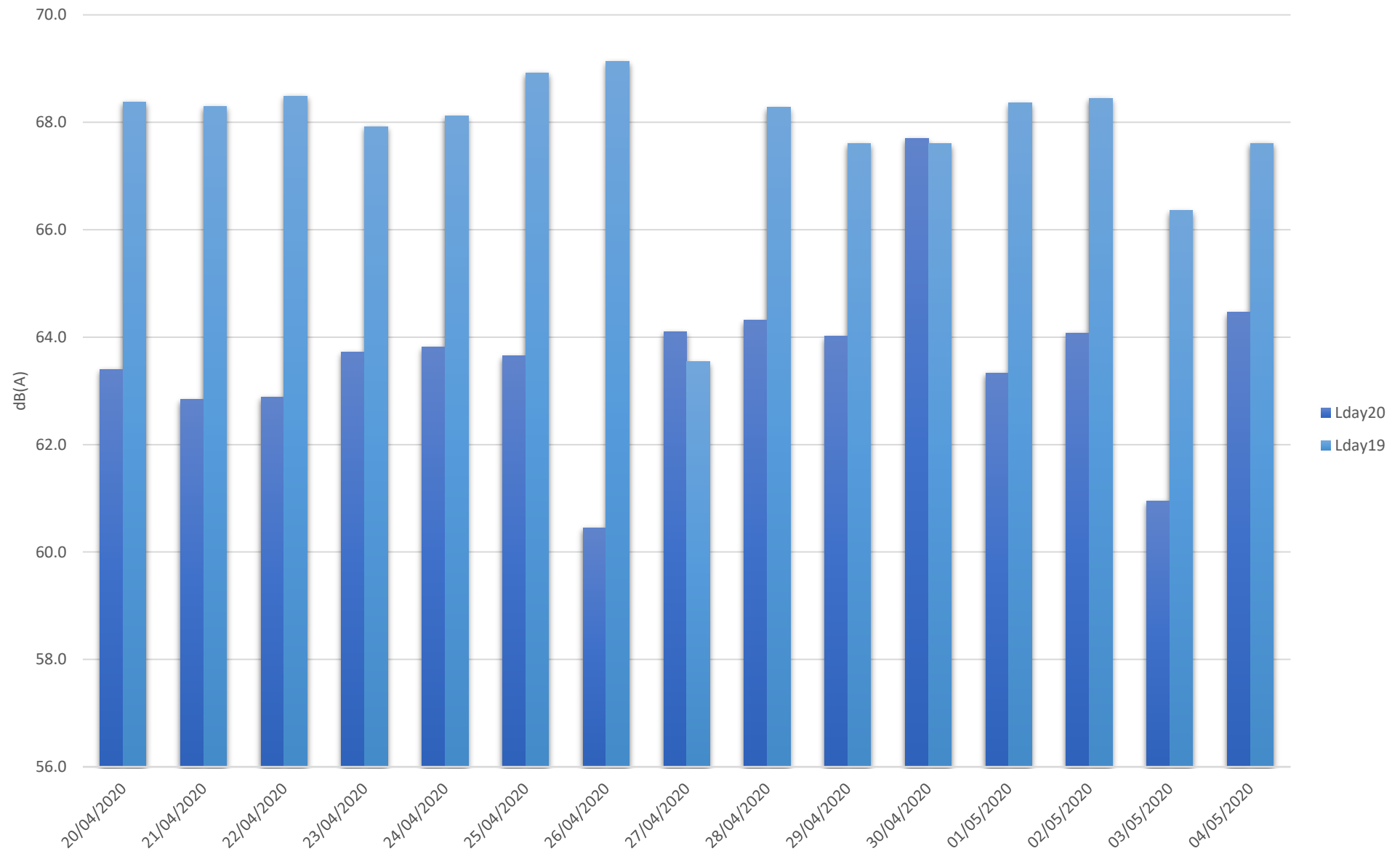


Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi		Semaine	Weekend	Sem.+Wk	
22/05/2020	23/05/2020	24/05/2020	25/05/2020	26/05/2020	27/05/2020	28/05/2020	29/05/2020	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020	04/06/2020	05/06/2020	06/06/2020	07/06/2020	08/06/2020	09/06/2020	10/06/2020	11/06/2020	12/06/2020	13/06/2020	14/06/2020	15/06/2020	16/06/2020	17/06/2020	Heure	#DIV/0!	#DIV/0!	#DIV/0!	
58.1	60.0	60.0	55.8	50.9	57.0	57.2	56.7	62.1	61.5	61.8	60.0	57.3	59.6	57.9	63.7	62.4	59.7	57.2	55.7	61.5	61.1	67.3	67.0	58.9	56.9	60.3	0-1	57.0	61.1	58.7	
53.0	58.9	57.5	50.0	54.9	52.9	48.7	56.9	57.9	59.7	60.7	57.8	41.3	55.5	58.3	60.3	59.9	52.7	51.0	49.8	58.1	52.5	61.6	60.1	58.2	50.8	58.1	1-2	53.5	57.1	54.9	
53.1	39.2	55.1	47.5	38.7	54.3	49.3	38.2	56.7	47.0	55.7	55.8	55.8	54.5	53.7	58.0	56.7	53.9	52.6	37.9	55.1	37.8	58.5	56.7	48.6	42.3	40.4	2-3	50.5	54.4	52.0	
39.5	55.0	53.8	54.4	50.8	38.3	53.7	45.7	55.5	54.6	52.9	52.8	52.0	52.9	39.5	58.8	52.7	54.5	57.1	49.8	56.5	53.0	58.3	58.0	51.7	39.7	56.0	3-4	50.8	53.5	51.8	
53.3	53.6	39.7	60.2	61.8	55.6	55.0	50.5	51.7	52.0	48.6	57.4	55.0	58.4	56.5	60.3	54.6	53.6	57.8	57.8	58.3	53.2	51.3	54.8	58.6	55.7	60.5	4-5	55.7	53.9	55.2	
62.9	59.0	57.4	62.0	64.2	62.6	65.0	64.6	61.1	57.3	53.6	64.6	61.5	65.5	63.6	58.8	57.0	64.1	64.1	63.3	66.1	64.3	60.9	56.4	63.8	64.4	65.5	5-6	62.6	58.2	61.7	
64.2	61.8	54.6	67.9	66.0	68.0	69.0	66.2	63.4	53.1	58.0	69.5	67.4	68.3	67.6	65.2	58.5	67.8	69.0	67.5	67.4	68.1	62.0	55.4	68.4	66.7	69.2	6-7	66.3	59.8	65.2	
64.8	66.4	58.4	70.0	67.4	67.3	67.2	65.6	62.8	63.9	58.7	66.5	65.6	67.5	67.1	65.9	58.8	67.9	66.5	67.4	67.6	68.4	65.0	61.0	68.3	67.0	68.0	7-8	66.1	62.1	65.2	
70.4	69.0	72.9	67.2	65.9	66.6	65.4	66.6	65.5	62.3	60.8	65.6	66.0	67.3	66.3	68.2	62.9	66.7	67.8	66.2	67.1	66.8	67.9	63.9	67.6	66.6	66.3	8-9	65.5	65.5	65.5	
67.1	70.2	64.1	66.4	67.7	66.0	65.7	66.4	65.8	64.1	62.2	66.0	66.7	66.7	66.4	68.1	63.0	66.3	67.5	67.6	66.8	69.5	67.2	65.7	66.6	66.8	67.2	9-10	65.7	65.3	65.6	
65.7	71.5	65.6	66.5	67.1	66.6	66.8	67.0	67.8	66.0	65.3	67.0	65.7	65.4	66.4	67.9	65.3	66.3	65.7	65.4	67.0	67.7	67.3	66.9	67.8	67.5	66.2	10-11	65.9	65.9	65.9	
66.3	72.9	65.6	65.9	66.9	67.0	66.7	66.2	67.5	66.6	65.6	65.4	66.5	68.2	67.6	70.9	65.5	67.1	66.7	66.4	67.3	66.0	66.6	68.3	67.7	69.3	66.3	11-12	65.8	66.7	66.1	
67.6	70.2	65.7	67.8	66.3	65.6	66.2	66.1	66.6	65.5	68.9	65.8	65.2	68.3	67.2	69.0	66.0	66.1	68.1	67.1	66.4	67.8	66.7	68.2	66.3	65.8	70.2	12-13	67.0	65.7	66.7	
66.0	66.9	64.0	66.1	67.1	66.5	67.0	65.6	66.2	64.0	65.2	66.1	65.4	67.0	71.0	67.8	64.4	67.6	65.6	66.6	66.5	67.7	67.8	65.6	66.7	65.9	71.7	13-14	66.0	65.0	65.7	
66.7	69.1	64.3	66.8	65.6	65.8	66.3	64.9	67.2	73.6	62.7	66.5	66.7	66.9	71.7	68.1	64.2	72.5	65.2	67.2	67.1	66.7	68.3	66.3	67.1	67.3	71.3	14-15	67.1	66.6	67.0	
66.3	66.0	64.9	66.6	66.6	67.3	65.2	67.0	67.2	63.4	65.3	65.3	66.9	66.4	70.9	67.1	64.4	66.9	69.2	67.7	67.0	66.0	69.3	66.1	65.8	67.0	70.4	15-16	66.8	65.1	66.3	
66.6	67.9	64.8	66.6	66.1	65.2	65.4	66.1	66.7	64.6	67.0	67.2	65.9	66.4	71.6	66.5	65.5	66.7	66.5	67.1	67.3	66.9	69.4	65.7	66.5	67.0	72.0	16-17	66.2	65.2	65.9	
66.4	66.2	66.1	66.1	66.6	66.3	66.5	66.7	66.4	65.6	65.1	66.6	66.1	66.9	70.0	66.7	65.7	66.4	66.8	67.1	67.2	66.7	68.7	66.6	66.7	66.9	72.7	17-18	66.2	65.2	65.9	
67.5	72.5	64.8	65.7	66.6	65.5	65.8	67.1	65.1	64.7	65.9	66.6	66.8	66.7	68.2	67.1	65.7	66.3	67.0	66.5	67.2	66.1	67.9	66.4	67.5	66.2	72.9	18-19	66.0	65.7	65.9	
66.7	67.6	67.4	64.6	66.0	66.8	66.9	66.3	65.0	65.3	65.4	65.0	66.4	67.1	67.5	65.3	65.2	68.1	66.3	65.5	65.6	73.6	68.4	65.5	65.2	66.4	71.6	19-20	66.9	67.5	67.1	
66.4	67.2	71.8	66.0	63.3	65.5	64.7	65.8	65.2	65.9	65.5	65.7	68.5	66.8	67.5	68.1	63.2	64.6	65.1	64.1	65.5	74.1	66.3	64.5	64.5	65.8	68.7	20-21	73.7	79.6	76.4	
64.6	68.7	64.1	62.3	62.6	64.2	64.4	68.4	63.1	64.7	62.9	64.6	64.8	65.3	66.2	65.6	62.4	62.9	65.0	67.2	65.7	66.1	64.9	65.0	64.5	63.7	68.6	21-22	63.5	63.4	63.5	
61.7	64.4	62.5	62.8	60.7	63.9	61.8	65.2	63.2	64.4	64.4	63.6	62.4	63.4	63.5	63.5	63.9	65.4	65.4	69.7	62.6	66.7	65.3	60.7	63.5	64.1	67.2	22-23	62.8	61.7	62.5	
58.8	63.4	59.0	61.4	57.2	56.9	60.7	62.2	63.1	63.2	60.6	59.8	57.1	62.1	62.6	62.3	57.8	60.3	63.2	64.6	59.5	68.2	63.3	61.7	57.8	60.6	62.5	23-24	59.9	59.8	59.9	
67.0	69.7	66.4	67.0	66.7	66.4	66.2	66.3	66.4	66.7	65.1	66.3	66.2	67.1	69.2	68.0	64.6	67.7	67.0	66.9	67.1	67.3	67.8	66.2	67.0	67.0	70.3	Z <sub>Day</sub>	66.2	65.4	66.0	
65.3	67.2	67.9	64.2	63.6	65.3	64.8	66.6	64.2	65.1	64.7	64.8	66.1	65.9	66.4	66.0	63.8	65.7	65.5	67.1	65.0	71.6	66.4	64.3	64.5	65.2	69.3	Z <sub>Evening</sub>	69.1	74.0	71.2	
59.2	59.3	56.7	61.4	60.6	61.0	62.3	60.9	60.4	58.5	58.2	62.9	60.4	62.6	61.7	61.6	58.4	61.6	62.6	61.7	62.4	63.4	62.2	60.8	61.8	60.8	63.2	Z <sub>Night</sub>	60.2	58.1	59.7	
68.5	70.1	68.5	69.3	68.7	69.1	69.7	69.4	68.6	68.1	67.3	70.1	69.0	70.3	70.6	70.0	67.0	69.9	70.2	70.0	70.0	70.0	72.5	70.4	68.8	69.6	69.2	72.3	L <sub>GEN</sub>	67.6	71.6	69.2

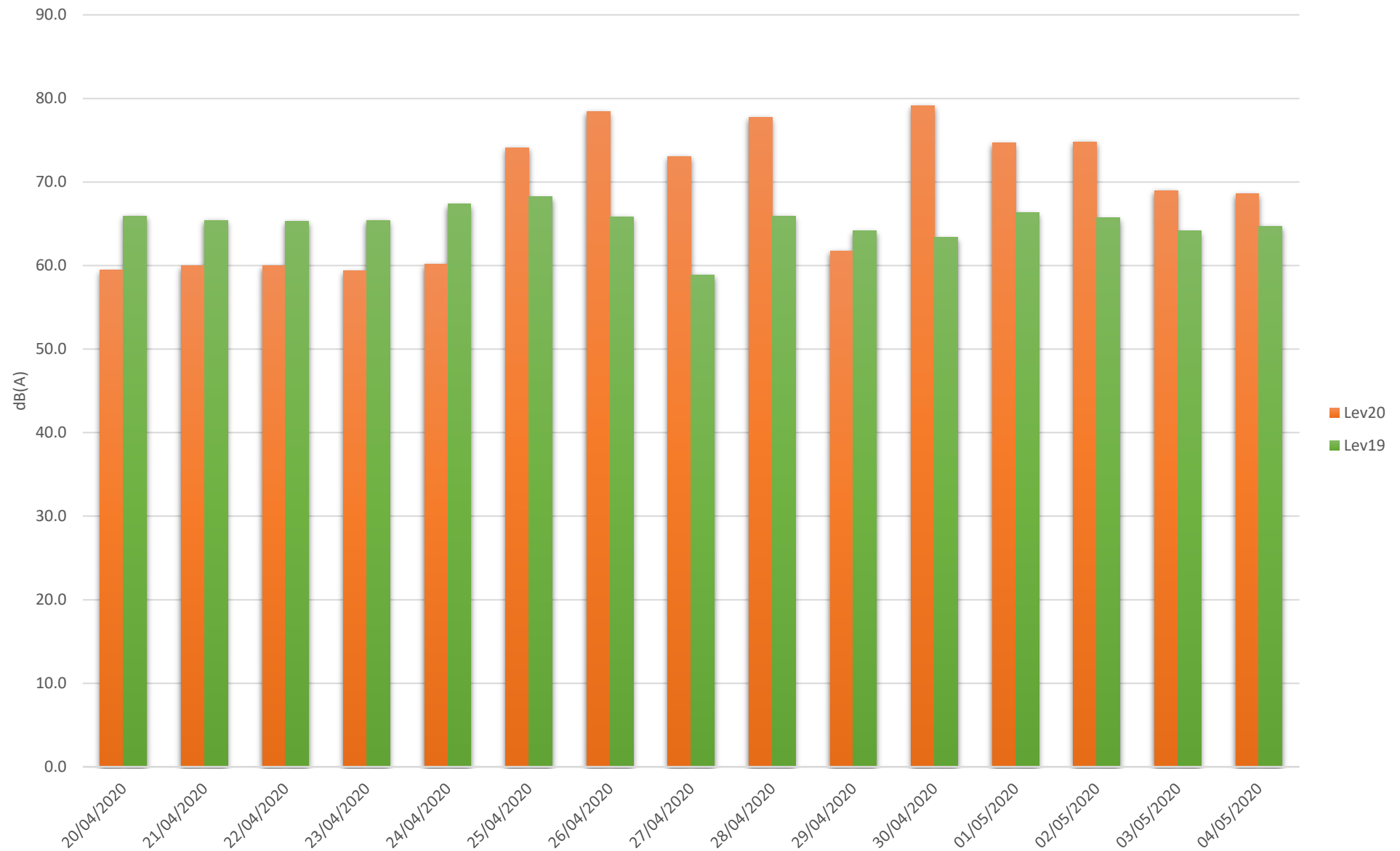




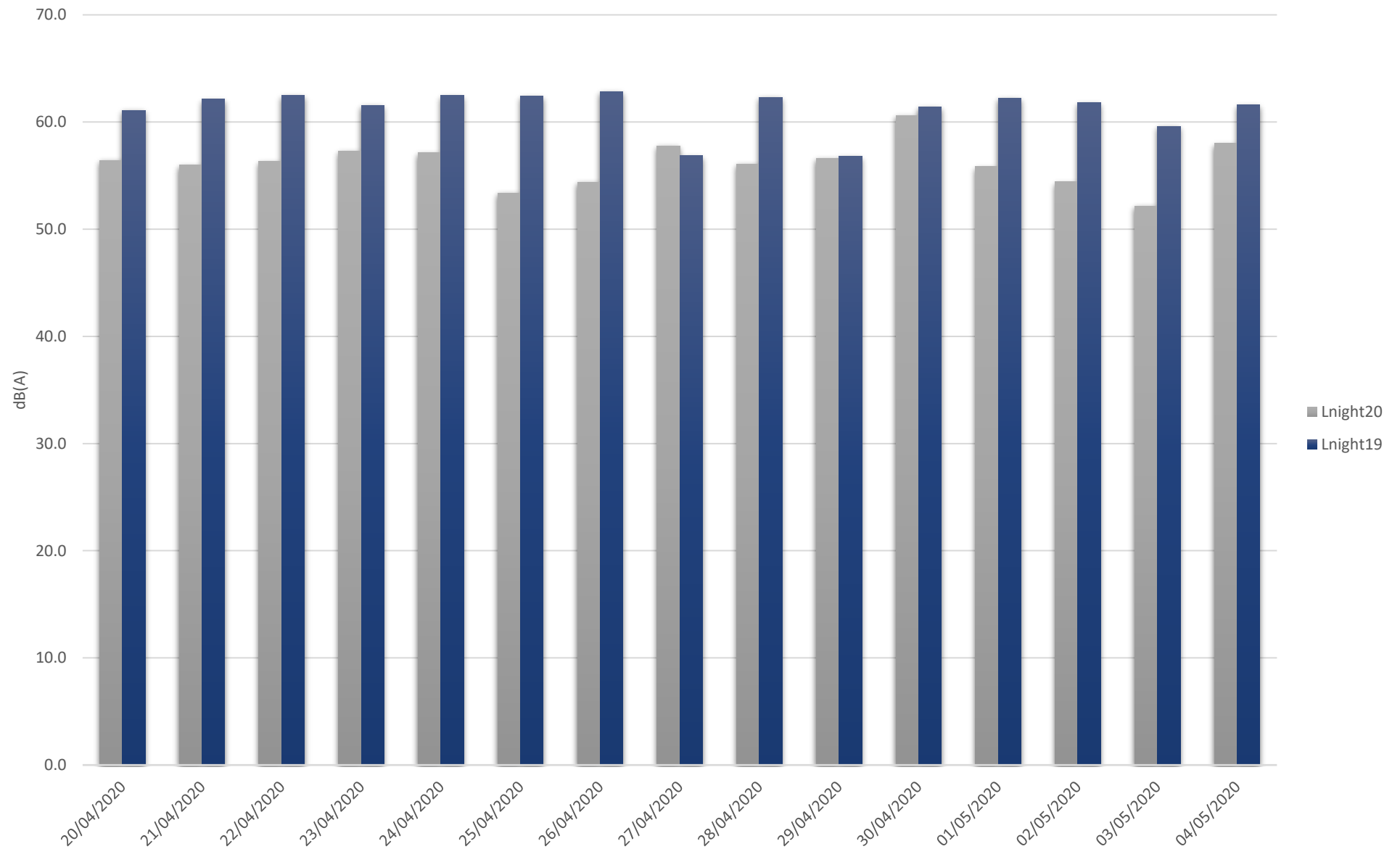
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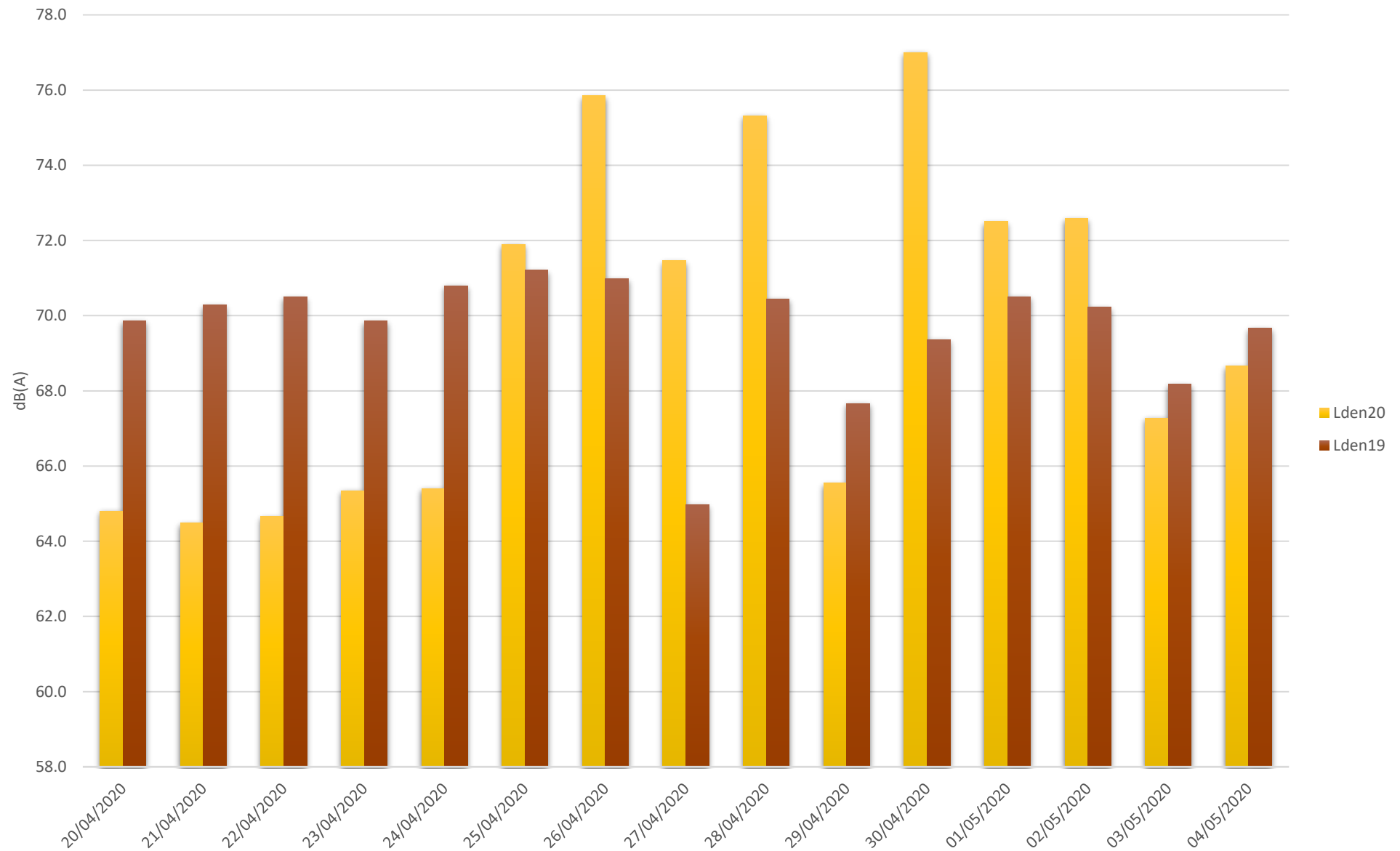
### 0317 Corrélation Phase 1 Ind



### 0317 Corrélation Phase 1 Ind

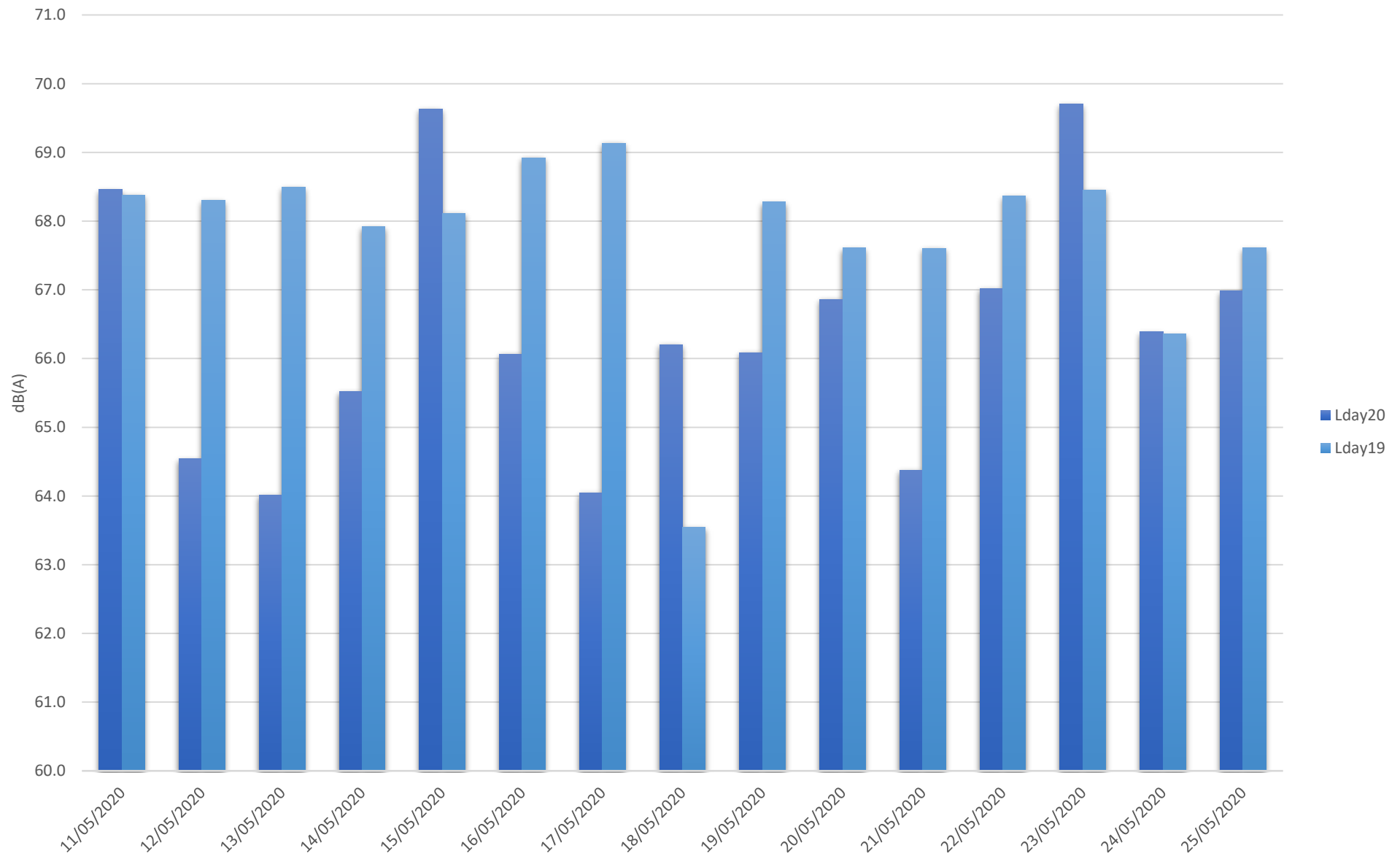


### 0317 Corrélation Phase 1 Ind

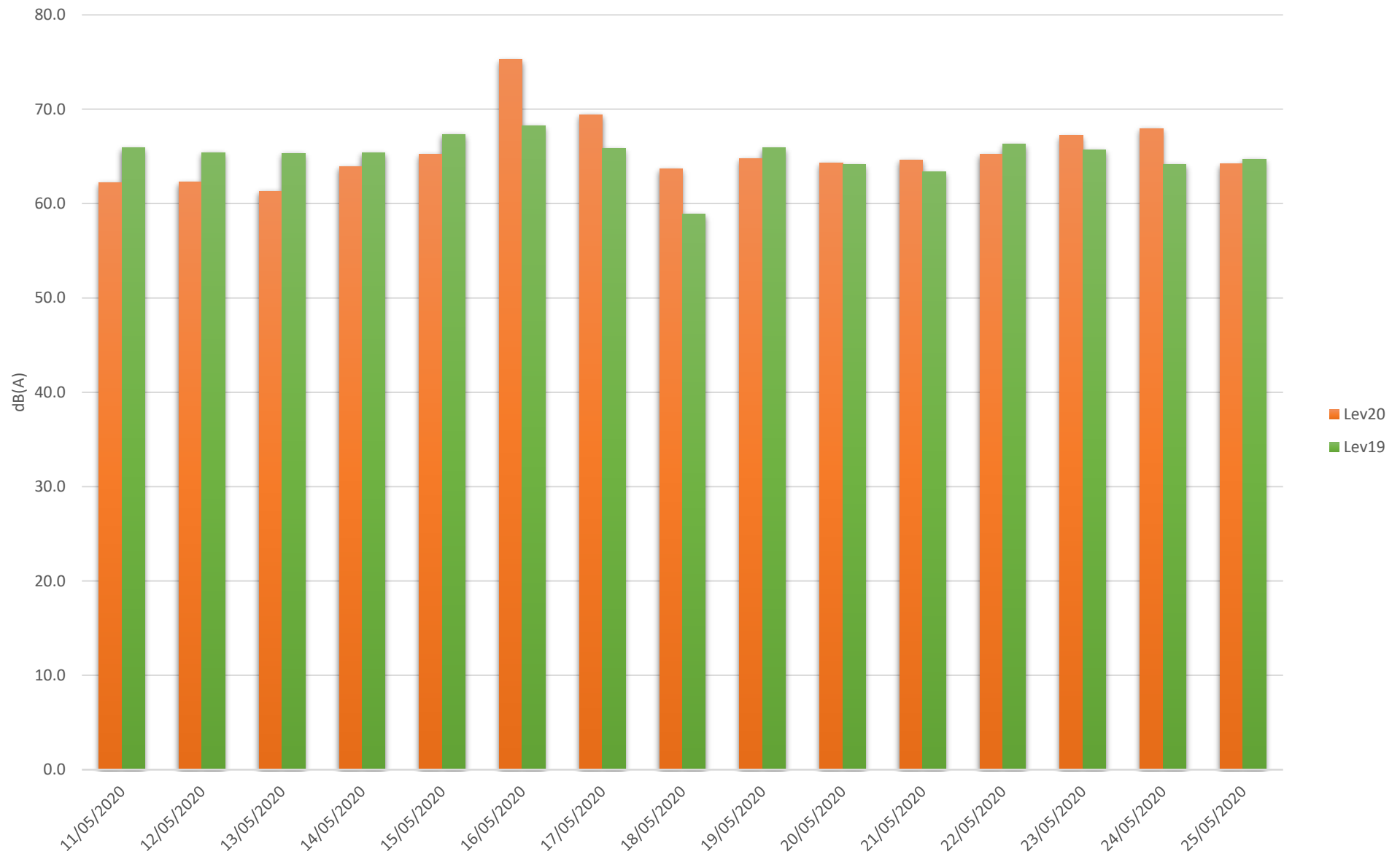




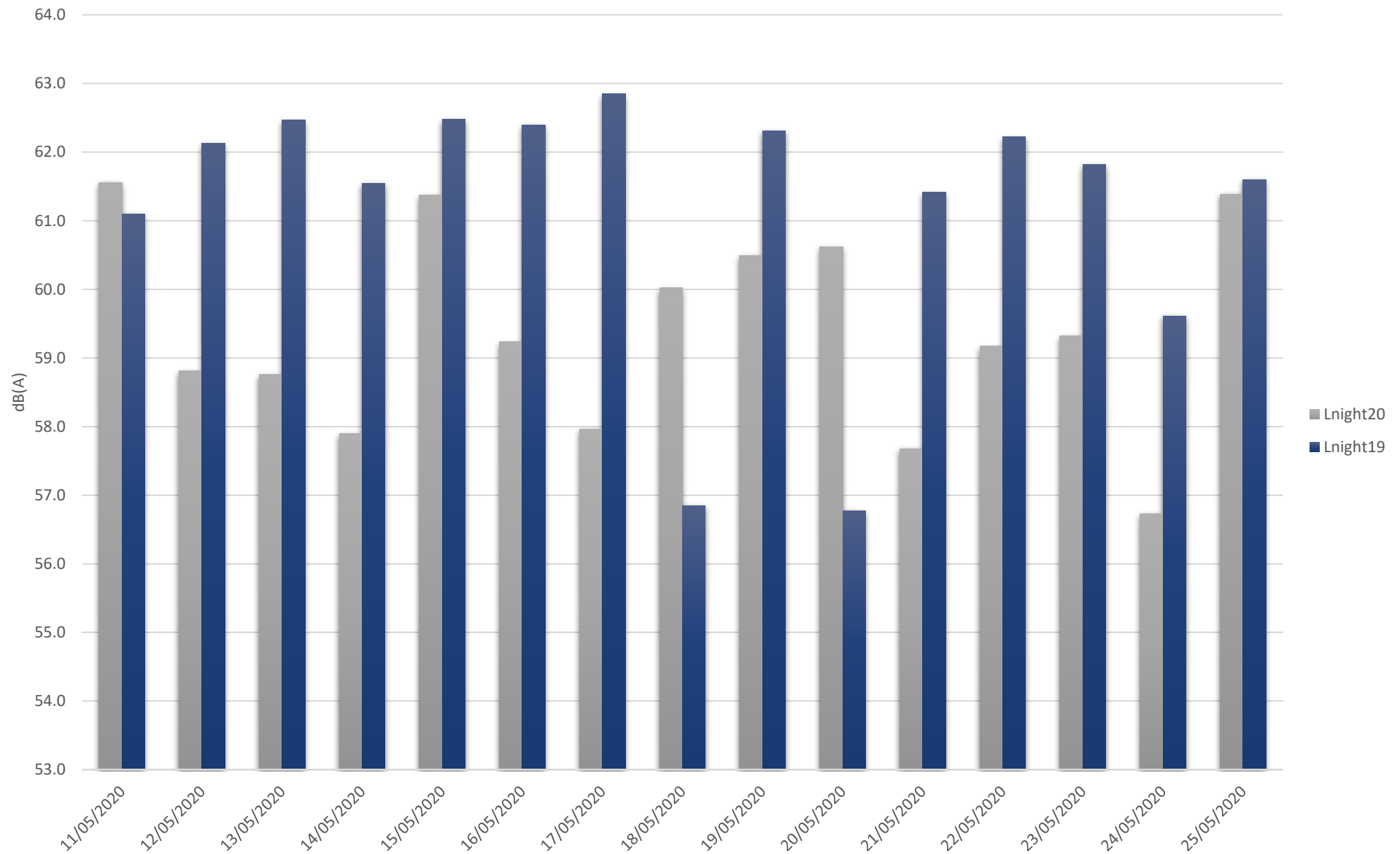
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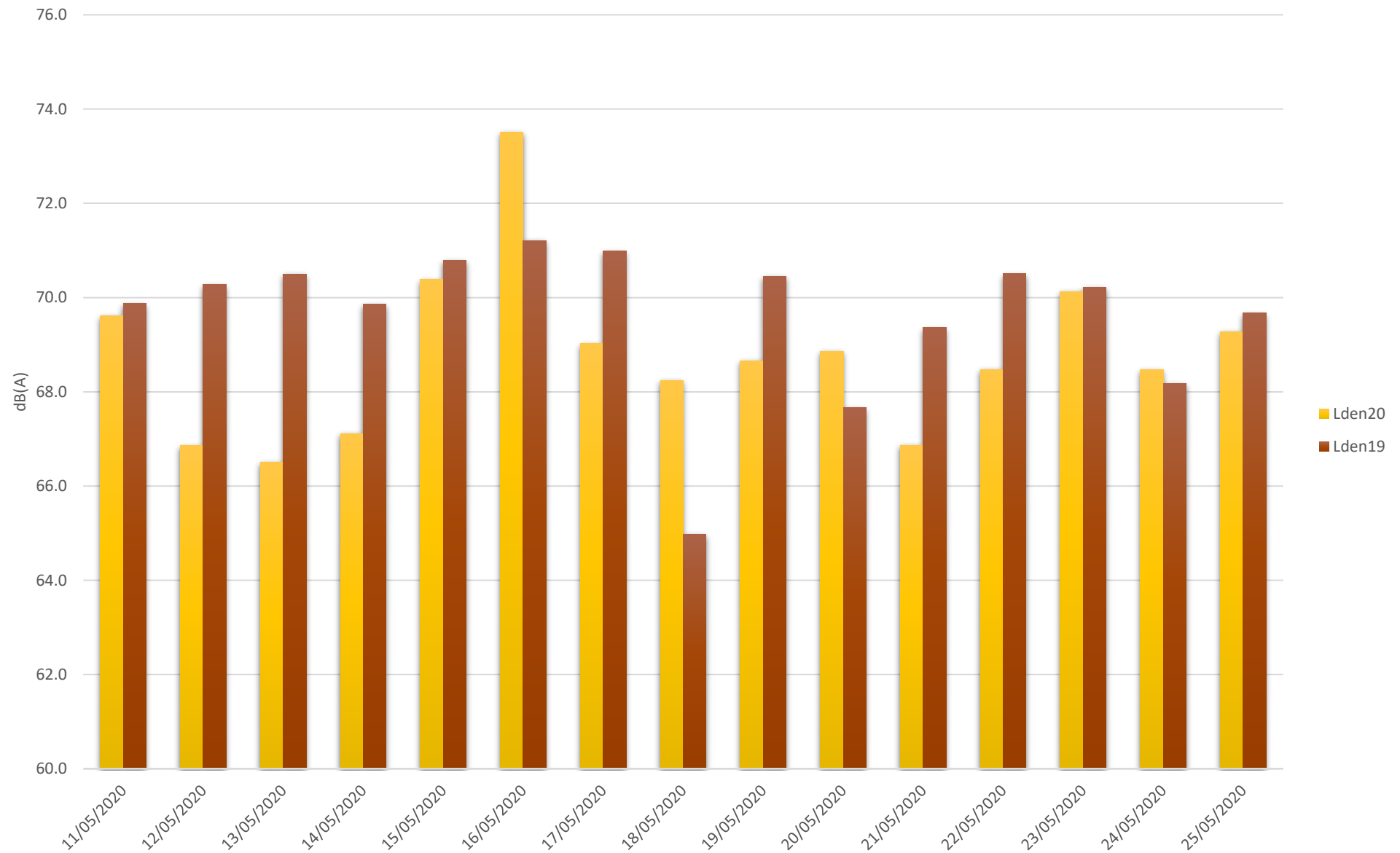
### 0317 Corrélation Phase 2 Ind



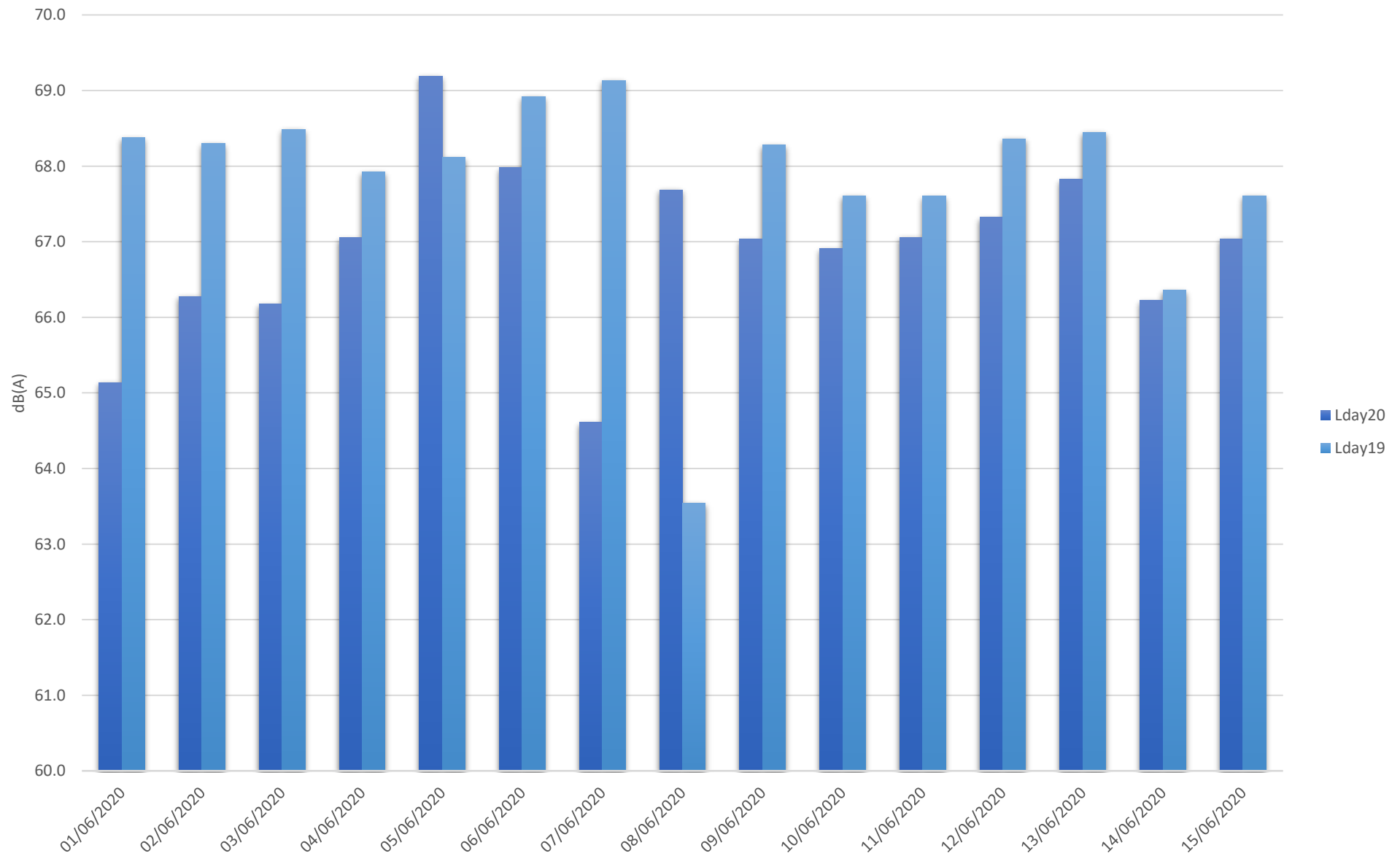
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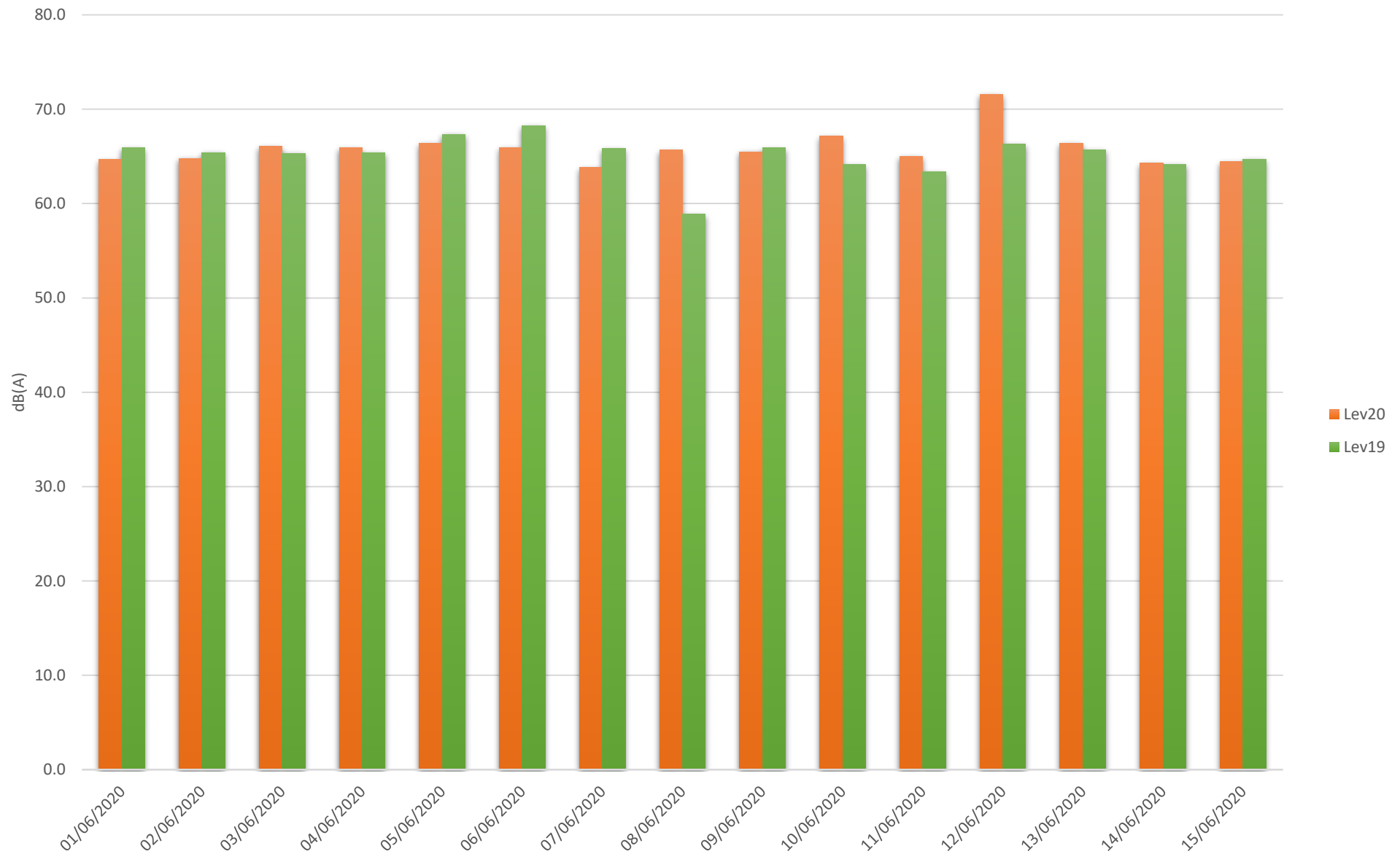
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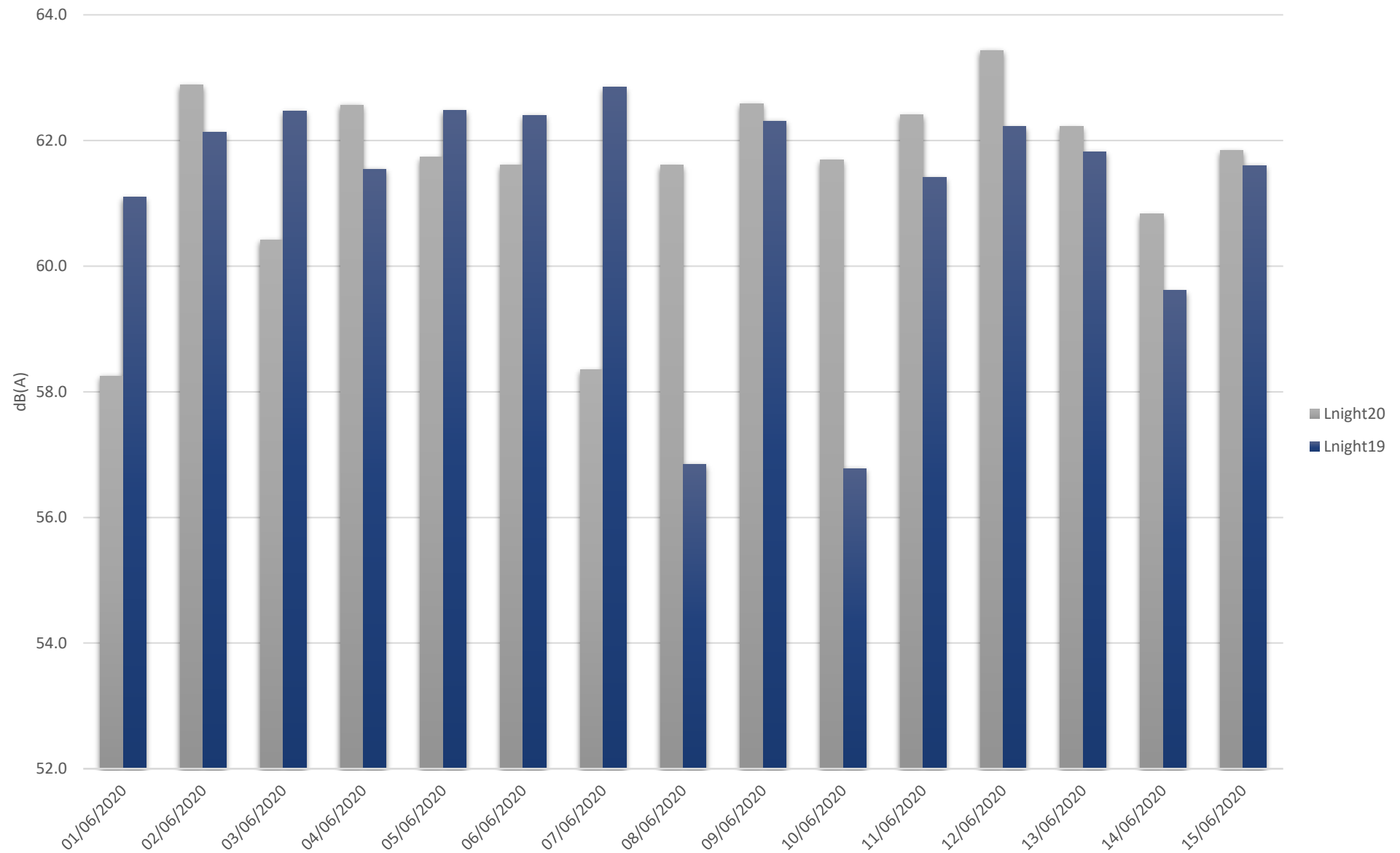
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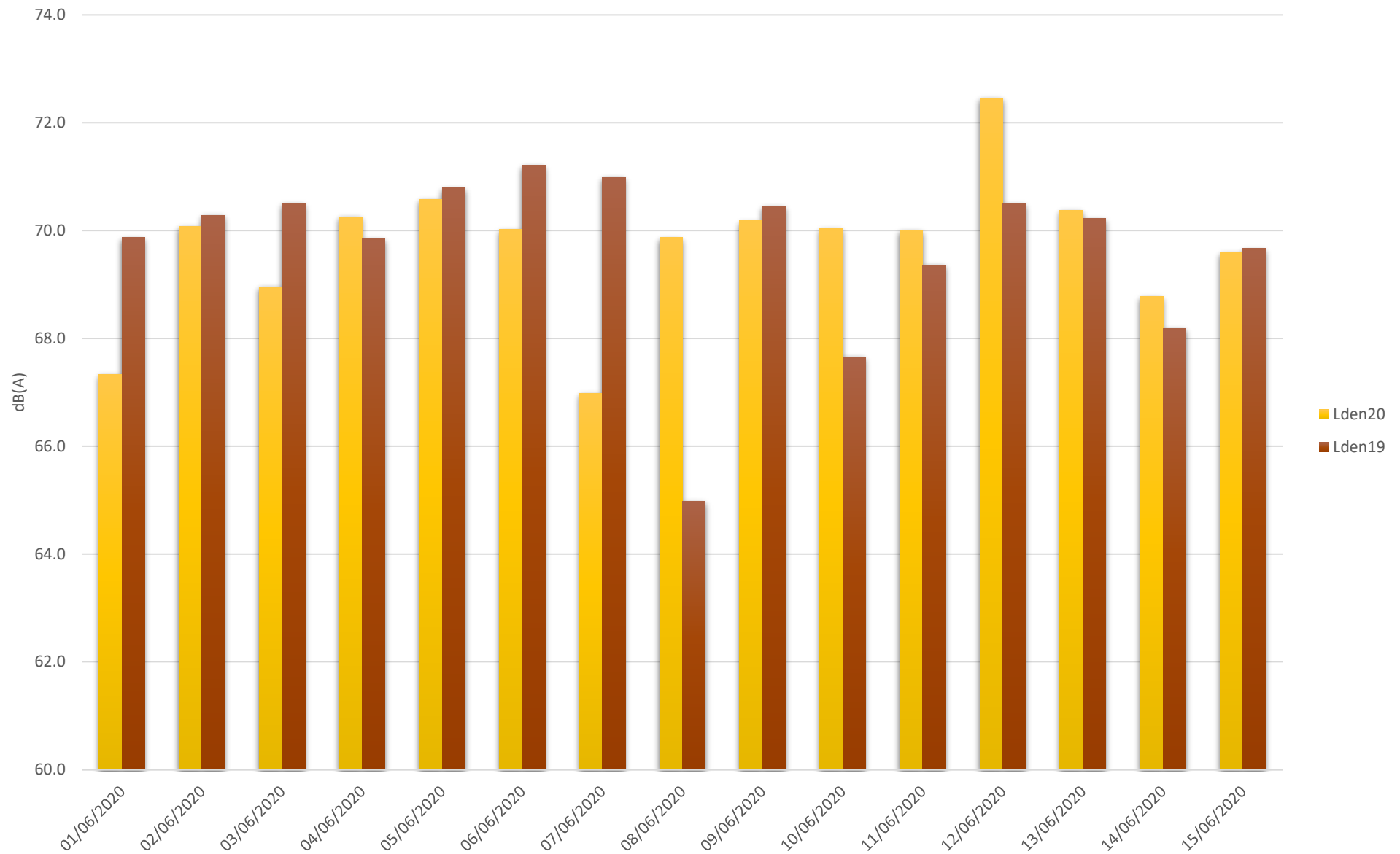
### 0317 Corrélation Phase 3 Ind




### 0317 Corrélation Phase 3 Ind



### 0317 Corrélation Phase 3 Ind



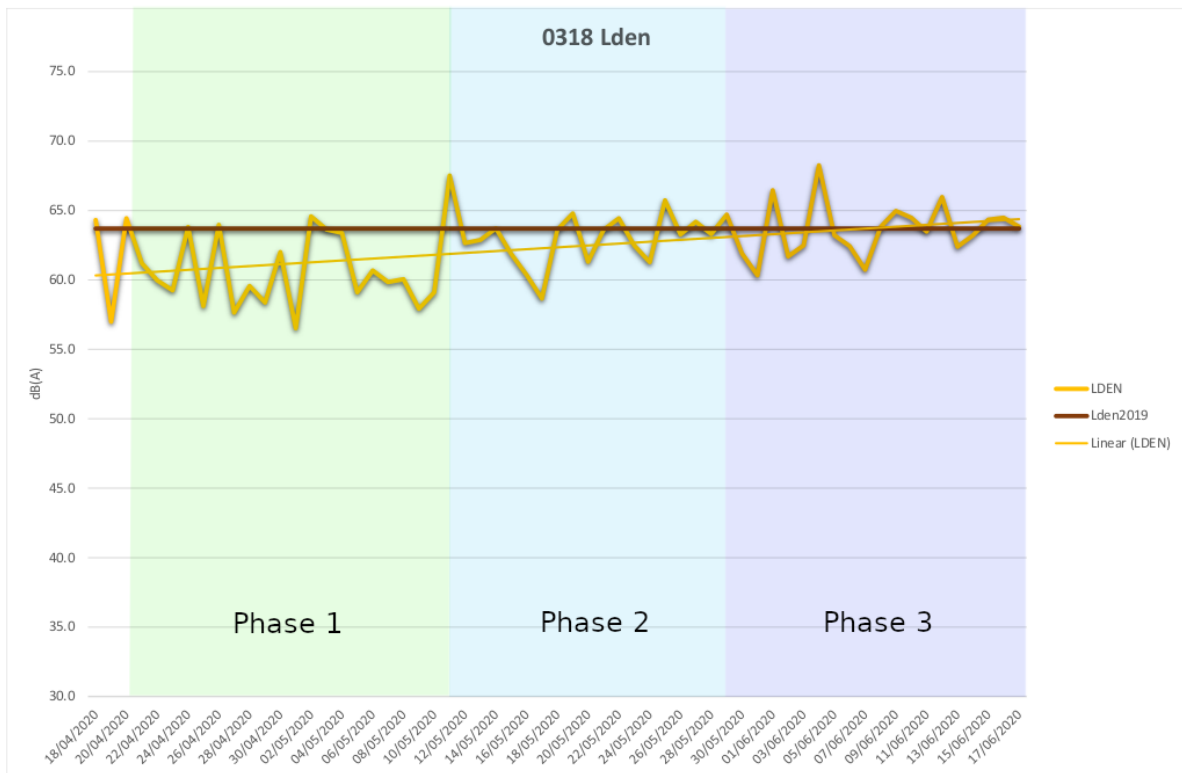
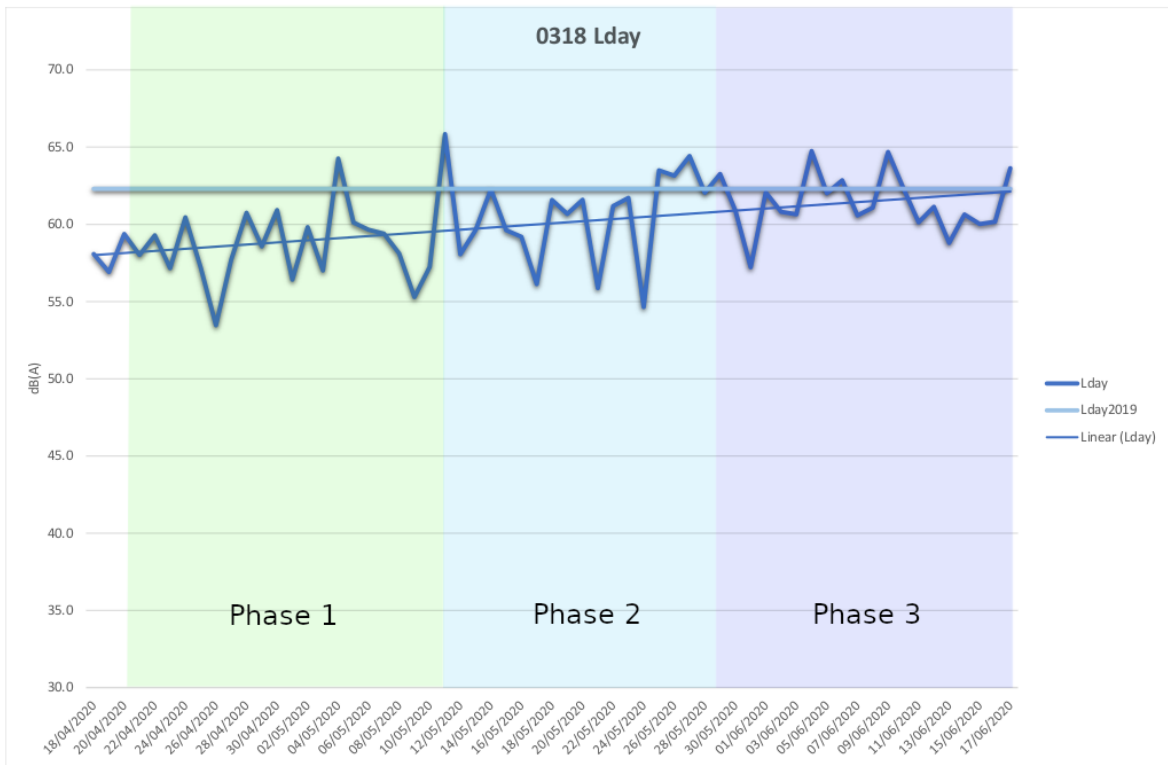


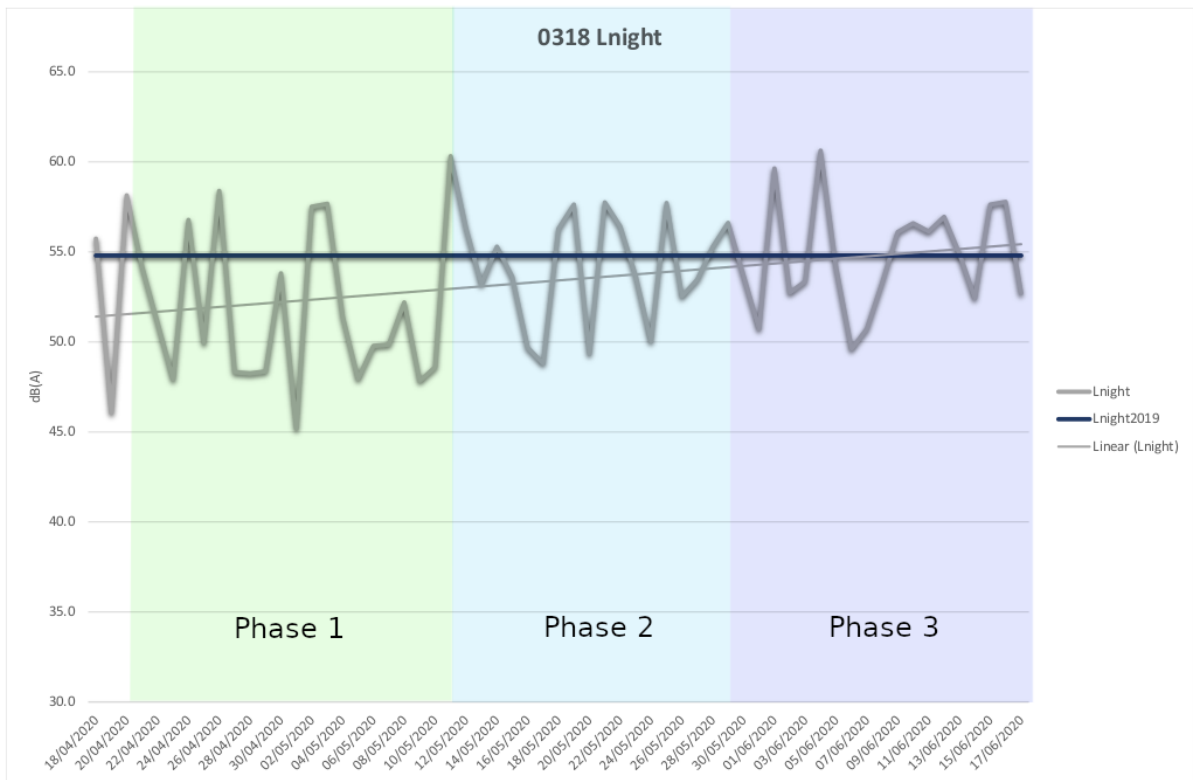
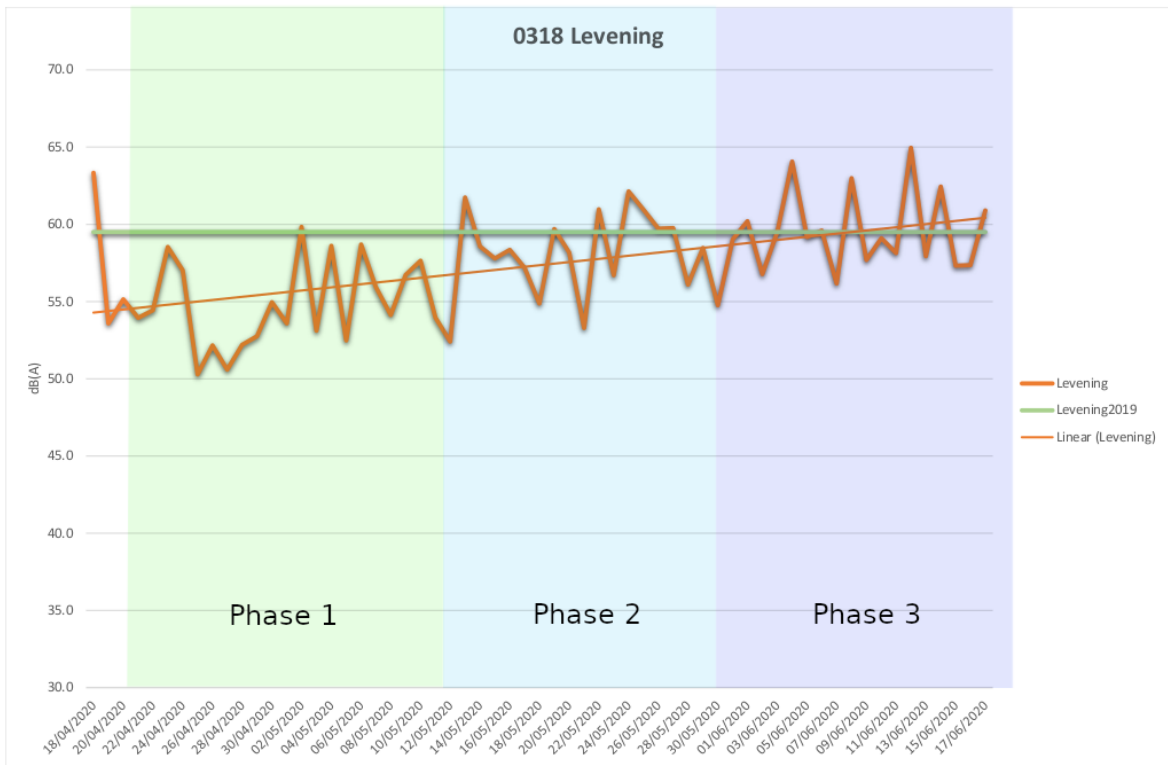
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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Point ID:	0318 (Luxe_026)		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement 94.0 dB	Before measurement	
Town:	Gasperich		
Address:	Rue de Gasperich 17		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	76834 E	72957 N	297,4
<b>Measurements</b>			
Start:	17/04/20 17:00		
Finish:	18/06/20 08:40		
<b>Point description</b>			
Microphone height:	4		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

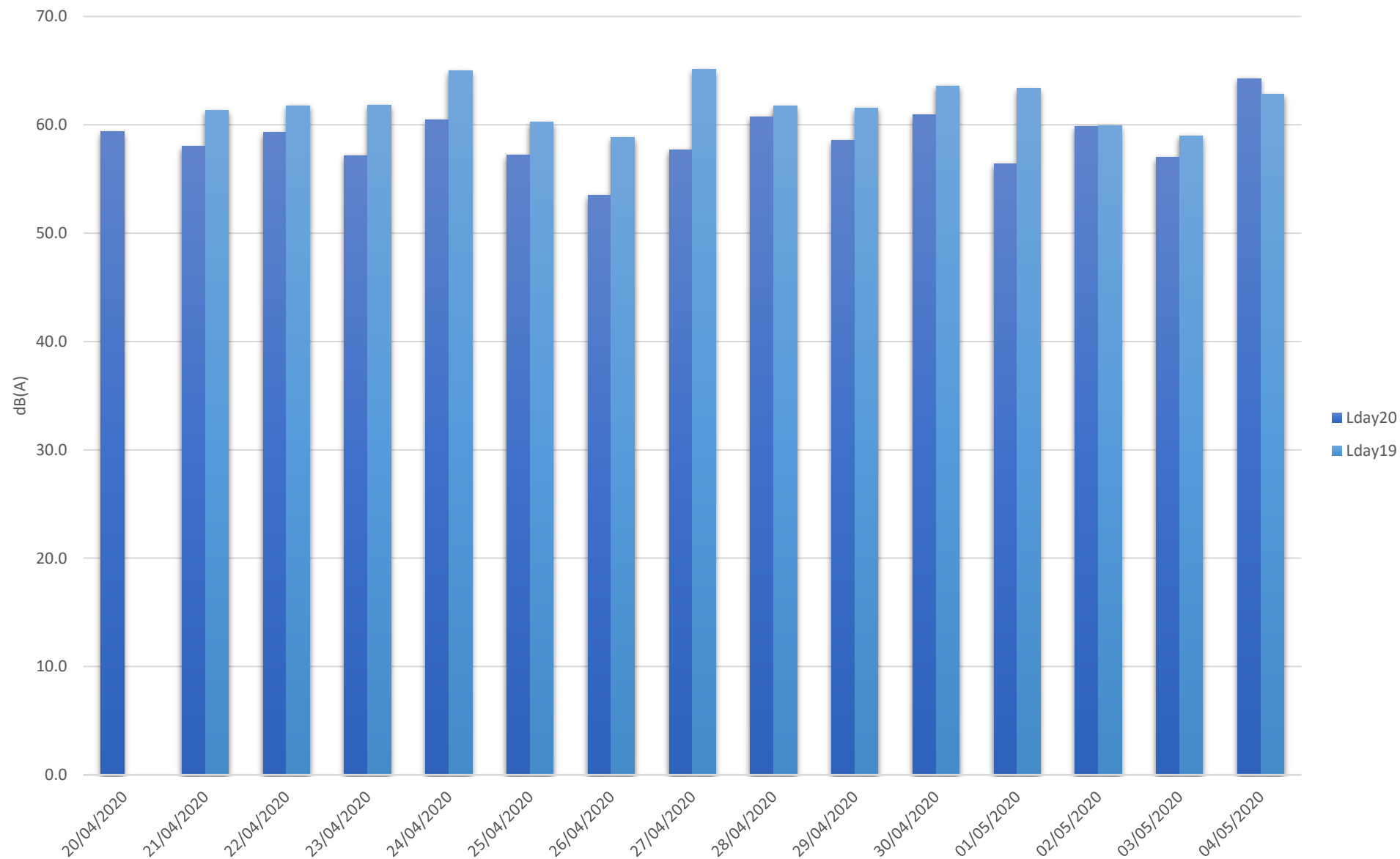
UTC+02:00																																		
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020	
Heure																																		
0-1	43.1	51.3	45.3	48.8	46.9	45.8	44.2	43.4	43.3	45.9	50.2	46.4	42.7	37.3	47.4	46.2	37.0	49.2	37.3	37.4	43.3	44.7	49.4	44.1	48.1	42.4	45.2	52.7	54.5	47.9	49.0	39.1	48.5	
1-2	45.7	47.3	43.1	45.5	37.5	36.9	37.4	37.5	39.4	37.9	44.4	42.7	40.6	36.9	38.6	44.8	36.4	36.2	37.0	36.9	39.3	46.5	53.8	45.8	44.2	48.9	42.5	47.4	45.6	40.7	50.0	48.6	45.6	
2-3	42.6	43.7	40.0	44.2	37.5	36.8	37.5	37.9	37.7	52.0	42.7	40.6	36.9	38.6	44.8	36.4	36.2	37.0	36.9	39.3	46.5	53.8	45.8	44.2	48.9	42.5	47.4	45.6	37.0	40.1	42.6	41.2		
3-4	52.5	61.6	41.9	38.1	38.0	37.4	63.4	37.7	38.2	38.0	45.1	39.4	37.5	37.5	48.7	41.5	37.9	40.2	41.9	40.4	48.1	58.2	39.4	37.1	48.7	38.8	41.1	41.0	39.6	43.0	44.6	62.2		
4-5	55.6	48.1	52.8	39.4	46.8	52.5	40.6	40.7	41.6	42.3	43.9	45.8	40.8	40.3	47.7	45.0	43.6	47.0	44.4	46.8	44.5	57.5	57.6	44.6	49.5	49.9	48.1	44.1	44.3	47.6	43.6	42.8		
5-6	62.4	50.1	53.9	45.0	51.9	46.9	42.0	47.1	46.8	48.0	53.7	42.6	45.7	45.1	53.8	51.5	50.5	53.0	48.9	52.9	49.3	62.1	48.9	50.9	49.8	44.6	47.8	46.4	63.8	66.0	48.9	52.5		
6-7	64.3	53.6	56.8	54.3	56.9	49.2	48.1	56.0	56.0	53.1	57.8	49.8	66.4	43.2	57.6	53.7	55.9	56.6	60.6	50.6	53.3	67.0	54.4	61.1	63.3	60.0	52.2	46.3	59.3	54.7	54.7	47.2		
7-8	60.3	57.9	62.3	60.4	61.0	57.0	52.4	55.1	54.8	58.5	59.3	52.0	52.9	50.8	55.9	61.6	64.9	62.7	57.3	49.8	62.8	65.4	58.5	63.4	61.6	59.7	58.5	47.1	56.2	59.7	60.1	49.2		
8-9	57.6	54.9	57.6	59.0	54.9	54.2	59.5	56.9	57.0	58.6	60.1	41.9	57.8	52.9	54.9	57.0	60.1	61.9	55.6	54.5	55.3	62.2	58.3	57.3	62.3	59.0	55.4	53.7	68.0	63.8	59.9	50.5		
9-10	58.1	58.2	62.4	57.2	56.2	57.5	53.0	59.3	64.3	63.2	58.5	56.3	59.3	55.7	60.0	64.9	58.3	55.3	60.3	59.1	54.7	61.8	56.5	58.5	59.6	58.6	54.3	57.4	59.9	61.5	59.6	55.2		
10-11	56.4	56.7	62.1	62.4	57.9	61.3	51.9	57.4	60.0	57.9	62.7	56.7	63.9	52.3	62.6	56.2	61.9	62.2	61.9	59.4	54.8	67.8	57.2	57.8	64.1	59.2	58.9	58.4	63.6	62.5	60.7	54.7		
11-12	57.4	59.0	58.3	55.4	57.4	57.7	52.6	58.7	60.9	54.8	56.5	51.8	57.1	59.1	66.0	57.3	54.0	57.7	60.6	56.3	55.0	69.3	57.2	61.4	60.7	59.1	62.8	55.8	61.0	62.0	66.0	53.2		
12-13	60.9	60.4	59.0	54.9	62.9	54.1	54.1	57.0	65.8	56.9	57.6	53.7	56.5	55.6	56.5	57.3	57.0	57.9	57.3	55.6	56.0	64.6	57.1	62.2	60.5	59.2	59.2	56.3	64.7	54.4	59.8	60.3		
13-14	60.8	58.5	58.5	52.7	62.8	58.3	53.5	58.4	57.3	61.7	61.0	62.4	60.6	51.4	59.1	58.8	56.9	59.2	54.5	52.5	53.1	64.9	58.5	58.2	57.3	58.7	58.8	56.8	59.9	57.9	66.0	54.5		
14-15	61.9	56.6	57.5	55.0	56.1	50.1	50.2	61.8	62.4	58.5	59.6	55.5	58.8	65.0	56.9	58.3	57.0	57.5	58.1	52.0	60.7	67.1	57.2	55.5	63.2	58.6	55.8	53.4	55.5	58.4	62.4	55.6		
15-16	60.1	57.6	55.8	53.6	63.3	60.6	51.4	57.1	56.0	56.6	63.9	55.5	55.2	50.6	57.1	58.1	55.5	55.8	56.3	50.7	59.0	70.2	56.6	59.2	61.1	55.9	63.0	55.5	57.7	58.2	57.4	52.5		
16-17	59.6	59.8	57.7	55.5	56.4	55.3	47.7	54.8	54.7	56.5	65.0	53.2	60.5	50.0	73.2	58.7	58.2	57.5	56.7	52.6	52.9	59.7	56.5	55.0	59.7	63.6	58.5	56.9	53.4	61.1	59.1	61.1		
17-18	58.1	56.8	57.3	53.0	62.1	53.9	51.9	56.0	55.9	55.2	61.1	58.9	64.6	54.9	58.2	58.8	62.5	57.3	53.5	53.6	51.9	58.3	56.4	57.1	63.1	61.6	58.8	58.2	56.2	59.9	58.1	52.5		
18-19	57.5	56.9	54.8	51.5	62.4	54.6	51.2	53.3	61.5	54.1	54.5	55.5	53.8	52.9	59.2	63.5	52.8	59.9	57.0	55.5	54.6	62.6	62.4	61.0	66.5	56.5	57.3	55.8	57.5	61.5	57.4	54.2		
19-20	59.8	55.6	53.5	55.4	58.6	53.6	55.6	53.5	56.6	52.7	53.9	57.1	65.1	54.4	63.6	55.6	58.4	54.6	53.9	53.1	53.5	56.8	56.1	60.1	60.0	61.9	59.7	61.7	54.1	61.5	62.6	54.3		
20-21	52.7	55.9	49.4	51.5	56.7	50.0	47.9	52.0	51.8	54.6	55.0	54.7	55.3	54.8	57.4	53.3	60.1	60.0	55.3	55.5	62.8	54.7	50.8	63.5	61.5	54.7	58.0	53.0	57.9	62.8	56.1	51.8		
21-22	50.5	51.8	50.4	63.6	58.9	46.9	51.2	43.6	46.2	51.1	49.9	46.2	53.0	53.0	45.5	49.5	49.6	51.9	55.4	60.5	49.7	51.9	48.3	63.8	53.9	55.6	55.5	53.9	54.8	55.4	54.3	54.2		
22-23	47.3	49.8	58.4	49.7	45.8	47.1	50.0	47.2	41.0	51.7	57.7	47.7	49.4	45.9	46.2	46.0	60.6	50.8	50.2	52.9	50.8	48.4	50.2	54.1	53.8	52.9	59.1	52.3	47.7	48.8	51.5	52.4		
23-24	51.8	42.4	42.3	46.2	64.8	56.3	65.0	45.8	45.3	47.5	59.5	44.7	44.4	65.6	44.4	43.5	50.0	46.1	45.9	47.6	46.6	43.8	63.8	50.5	52.6	58.0	51.6	47.5	43.9	51.3	52.0	64.3		
Σ <sub>Day</sub>	59.4	58.0	59.3	57.2	60.5	57.2	53.5	57.7	60.8	58.6	60.9	56.4	59.8	57.0	64.3	60.1	59.6	59.4	58.1	55.3	57.2	65.8	58.1	59.6	62.3	59.6	59.2	56.1	61.6	60.7	61.6	55.9		
Σ <sub>Evening</sub>	55.1	53.9	54.4	58.5	57.0	50.3	52.2	50.6	52.2	52.8	55.0	53.6	59.8	53.1	58.6	52.5	58.7	55.9	54.1	56.7	57.6	64.0	52.4	61.7	58.6	57.8	58.4	57.2	54.9	59.7	58.2	53.3		
Σ <sub>Night</sub>	58.1	54.2	51.0	47.9	56.8	49.9	58.4	48.3	48.3	48.4	53.8	45.2	57.5	57.7	51.4	47.9	49.8	49.9	52.2	47.8	48.6	60.3	56.3	53.2	55.3	53.6	49.7	48.8	56.3	57.6	49.3	57.8		
L <sub>DEN</sub>	64.4	61.2	60.0	59.3	63.8	58.1	64.0	57.7	59.6	58.4	62.0	56.5	64.6	63.6	63.4	59.1	60.7	59.8	60.1	57.9	59.1	67.5	62.7	62.9	63.7	61.9	60.4	58.7	63.6	64.8	61.3	63.6		

Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi			Semaine	Weekend	Sem.+Wk
22/05/2020	23/05/2020	24/05/2020	25/05/2020	26/05/2020	27/05/2020	28/05/2020	29/05/2020	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020	04/06/2020	05/06/2020	06/06/2020	07/06/2020	08/06/2020	09/06/2020	10/06/2020	11/06/2020	12/06/2020	13/06/2020	14/06/2020	15/06/2020	16/06/2020	17/06/2020	Heure				
46.7	48.4	53.2	49.1	46.6	46.3	43.7	53.6	52.6	51.5	68.1	50.0	49.6	51.2	50.1	49.8	54.5	49.3	48.7	49.6	50.2	49.1	57.9	53.8	47.9	49.1	50.3	0-1	53.3	52.9	53.2	
63.7	44.7	44.5	45.4	38.3	47.9	44.6	48.1	47.3	51.6	51.7	48.0	37.2	57.2	36.8	51.1	48.0	36.6	47.0	45.4	48.9	52.3	60.0	48.4	47.1	40.3	47.5	1-2	50.6	50.2	50.5	
38.0	54.6	38.3	36.5	39.8	38.3	41.6	45.2	44.5	38.7	53.5	41.4	38.3	54.9	46.1	38.9	36.8	37.6	48.3	45.0	47.5	39.8	46.3	48.8	41.3	40.4	42.6	2-3	45.9	45.6	45.8	
40.0	46.0	36.0	47.3	41.1	40.9	44.6	41.0	45.6	42.8	40.3	42.9	41.3	55.4	36.7	38.6	37.2	40.7	55.9	48.6	44.1	45.8	42.8	46.6	43.8	42.8	49.0	3-4	51.1	51.5	51.2	
47.9	51.6	39.2	45.5	56.8	43.3	51.1	46.1	48.0	52.4	40.0	51.3	50.5	54.6	57.5	41.6	42.7	47.4	49.9	50.3	49.5	50.3	48.6	48.1	49.2	49.5	48.6	4-5	50.7	47.3	49.9	
49.5	44.8	53.8	52.5	52.2	53.8	60.1	59.1	46.4	48.8	41.2	52.9	52.8	51.1	47.9	50.9	53.8	51.9	54.8	53.9	59.1	53.3	51.2	48.0	55.2	65.7	54.9	5-6	56.9	49.3	55.7	
55.8	60.9	54.0	59.1	57.5	60.8	54.9	63.3	61.0	52.8	48.4	58.7	54.4	60.1	57.8	52.4	49.6	59.2	62.9	64.4	61.9	60.5	55.4	54.0	66.0	58.4	57.4	6-7	59.8	57.2	59.2	
59.6	54.6	53.6	65.6	64.4	63.0	60.9	70.4	58.3	52.0	53.4	60.9	60.7	60.2	56.6	61.2	52.8	62.5	67.8	62.9	61.4	59.8	62.5	51.8	61.1	61.7	62.4	7-8	62.0	56.9	61.1	
58.4	59.8	51.9	61.1	60.7	60.2	61.7	57.7	59.0	51.7	56.6	64.8	60.3	66.5	61.1	58.9	64.8	64.5	61.9	61.5	59.1	61.5	60.7	54.0	59.7	60.8	60.9	8-9	60.8	57.8	60.1	
58.4	63.7	53.6	64.6	69.1	71.8	61.0	62.5	62.7	58.5	55.4	59.6	61.3	64.6	59.5	61.3	64.9	62.5	61.5	62.4	61.3	63.1	57.1	58.6	60.9	61.7	61.0	9-10	62.3	59.3	61.6	
58.0	65.1	53.9	63.7	60.1	64.6	61.2	60.9	58.6	59.4	57.5	64.6	59.5	66.8	64.9	60.8	58.8	58.1	63.0	62.9	60.0	66.8	61.2	65.4	61.0	59.9	58.0	10-11	61.9	60.3	61.5	
64.6	63.0	56.7	66.3	61.1	59.3	61.0	59.2	62.2	56.1	64.5	57.0	60.7	66.0	62.4	64.7	57.8	62.8	71.4	62.2	59.7	61.2	57.3	56.2	61.5	57.8	64.9	11-12	62.6	59.1	61.8	
60.5	60.7	56.8	62.8	60.8	66.0	65.2	65.0	58.6	59.8	55.9	59.7	58.2	62.2	61.1	66.9	65.4	59.8	62.8	59.3	58.7	58.2	59.7	56.8	59.8	62.2	64.1	12-13	61.1	59.8	60.8	
60.0	58.2	55.0	66.0	63.5	59.8	59.6	62.9	64.3	57.9	56.7	58.0	60.6	62.1	62.5	66.4	57.0	60.2	60.8	60.0	59.2	58.0	56.6	55.9	59.6	58.5	60.7	13-14	60.6	59.0	60.2	
57.2	57.3	54.9	59.7	60.1	63.4	61.9	60.1	64.0	58.1	55.6	59.9	60.2	58.4	61.8	65.0	57.1	61.2	61.9	61.2	57.7	57.8	57.0	56.1	59.1	60.6	63.5	14-15	60.2	60.6	60.3	
57.2	58.2	54.3	60.0	65.3	61.4	60.7	59.9	60.0	56.0	66.6	58.9	64.8	60.3	62.5	59.1	54.2	59.1	58.3	58.2	60.9	57.7	56.2	55.1	59.5	59.7	66.5	15-16	61.2	57.7	60.4	
65.1	63.8	54.8	63.2	59.6	60.5	60.8	61.6	59.2	56.3	69.1	59.4	60.5	69.4	62.2	58.1	57.0	58.2	60.6	61.2	62.0	60.7	58.0	58.1	59.7	58.8	65.5	16-17	62.8	57.5	61.8	
64.3	59.9	54.0	62.5	59.2	60.3	58.2	59.6	59.0	57.9	57.5	59.7	58.3	64.7	62.5	60.0	54.9	59.8	60.5	60.8	61.3	58.6	56.7	59.2	60.2	58.7	64.8	17-18	60.0	58.0	59.5	
59.0	64.0	54.0	58.3	58.8	59.0	65.8	57.2	56.9	55.4	56.2	59.1	57.5	62.9	62.8	58.4	57.0	59.8	64.8	67.5	57.6	58.4	55.7	67.7	56.0	59.0	64.3	18-19	60.7	58.9	60.2	
57.0	56.6	55.5	66.3	60.3	57.4	58.0	58.8	56.9	62.3	59.6	61.0	61.1	59.6	61.9	57.6	57.6	61.5	60.4	60.2	59.4	69.1	58.0	67.4	58.8	58.8	62.8	19-20	60.3	59.9	60.2	
54.8	56.3	66.1	52.7	56.2	57.3	56.4	61.9	55.3	57.7	55.7	54.9	60.3	58.2	60.0	57.4	56.7	57.3	56.9	58.9	58.8	59.8	54.6	58.5	58.4	56.3	60.5	20-21	57.8	58.1	57.9	
55.6	59.6	62.8	56.2	63.5	58.7	55.3	51.2	53.2	58.4	64.4	52.3	57.5	69.1	56.6	63.3	56.5	67.6	57.1	57.2	58.2	64.8	53.3	58.3	52.2	55.1	61.5	21-22	59.4	57.4	58.9	
65.8	49.3	53.6	50.2	47.4	62.9	53.5	55.6	51.9	53.7	51.7	52.2	58.0	56.6	54.8	56.0	52.5	54.6	54.3	59.6	54.8	56.4	61.3	52.0	57.3	58.2	57.0	22-23	55.9	58.6	56.9	
57.6	45.0	47.9	65.5	51.9	52.7	60.5	55.6	53.0	52.8	56.1	53.6	60.2	68.1	58.5	52.6	53.9	57.5	55.0	55.2	57.7	63.5	53.7	57.7	51.1	52.3	54.8	23-24	58.5	58.2	58.4	
61.2	61.7	54.6	63.5	63.2	64.4	62.0	63.3	60.9	57.2	62.1	60.8	60.7	64.8	62.0	62.9	60.6	61.1	64.7	62.3	60.1	61.1	58.8	60.6	60.0	60.2	63.6	Z <sub>Day</sub>	61.4	58.9	60.8	
61.0	56.7	62.1	61.0	59.7	59.8	56.1	58.5	54.8	59.0	60.2	56.8	59.5	64.1	59.2	59.6	56.2	63.0	57.7	59.1	58.1	65.0	57.9	62.4	57.3	57.4	60.9	Z <sub>Evening</sub>	58.6	58.6	58.6	
56.4	53.7	50.0	57.7	52.5	53.5	55.3	56.6	53.7	50.7	59.6	52.7	53.4	60.6	54.2	49.6	50.7	53.3	56.1	56.6	56.1	57.0	54.9	52.4	57.6	57.8	52.7	Z <sub>Night</sub>	55.4	53.5	54.9	
64.4	62.5	61.3	65.7	63.3	64.2	63.3	64.7	61.9	60.3	66.5	61.7	62.5	68.3	63.2	62.4	60.7	63.8	65.0	64.5	63.5	66.0	62.4	63.2	64.3	64.5	63.8	Z <sub>LEN</sub>	63.5	61.8	63.1	

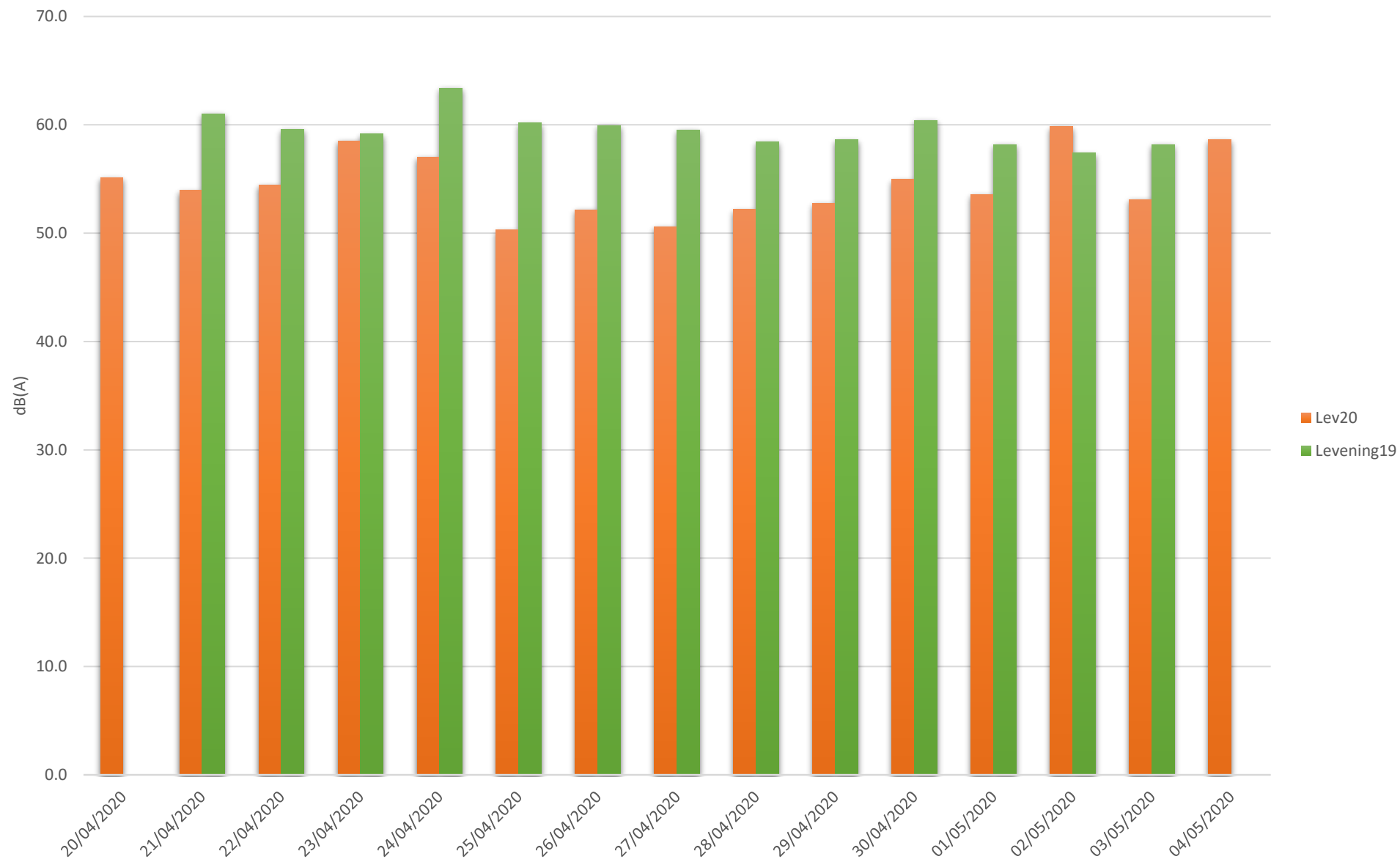




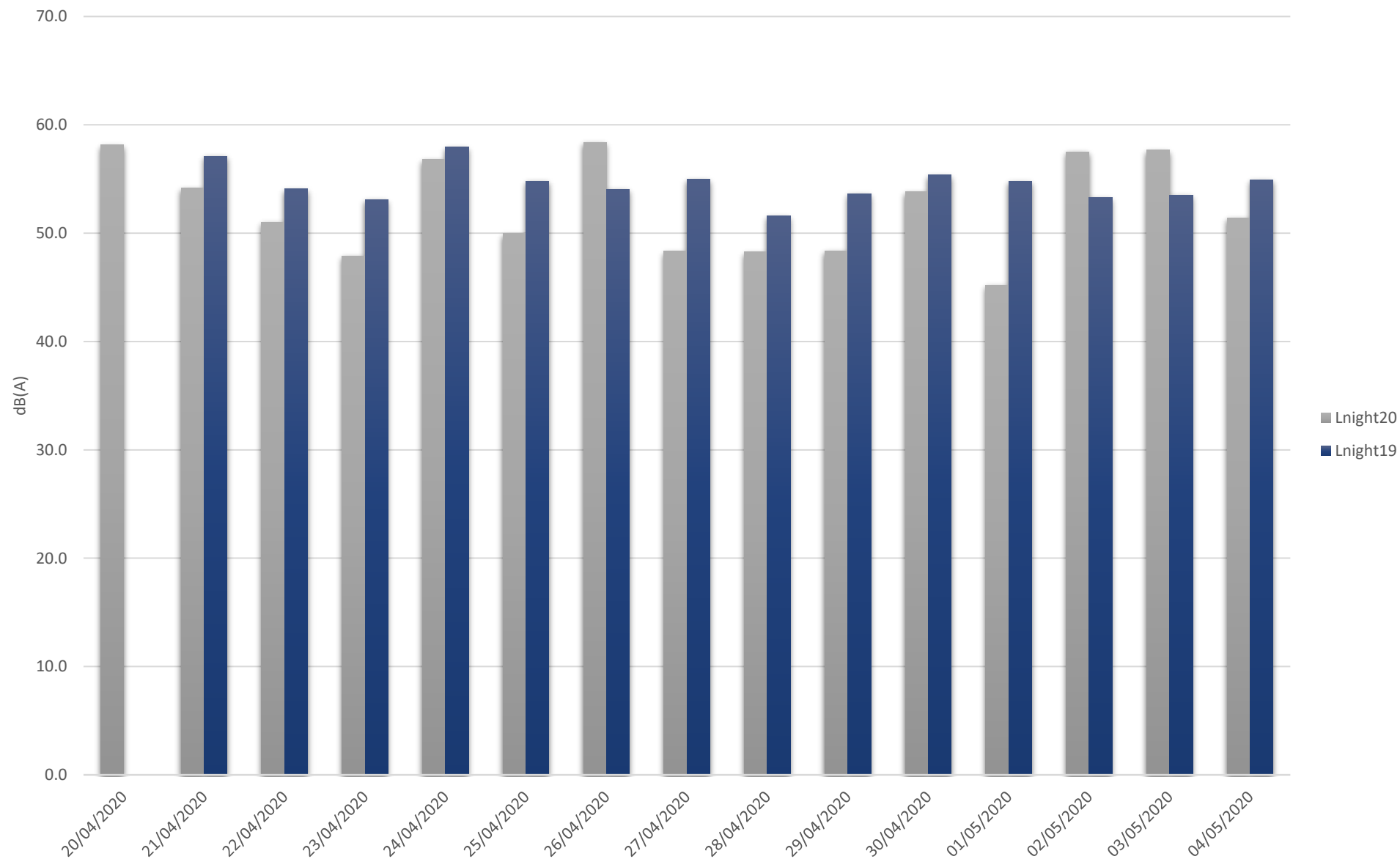
### O318 Corrélation Phase 1 Ind



### O318 Corrélation Phase 1 Ind

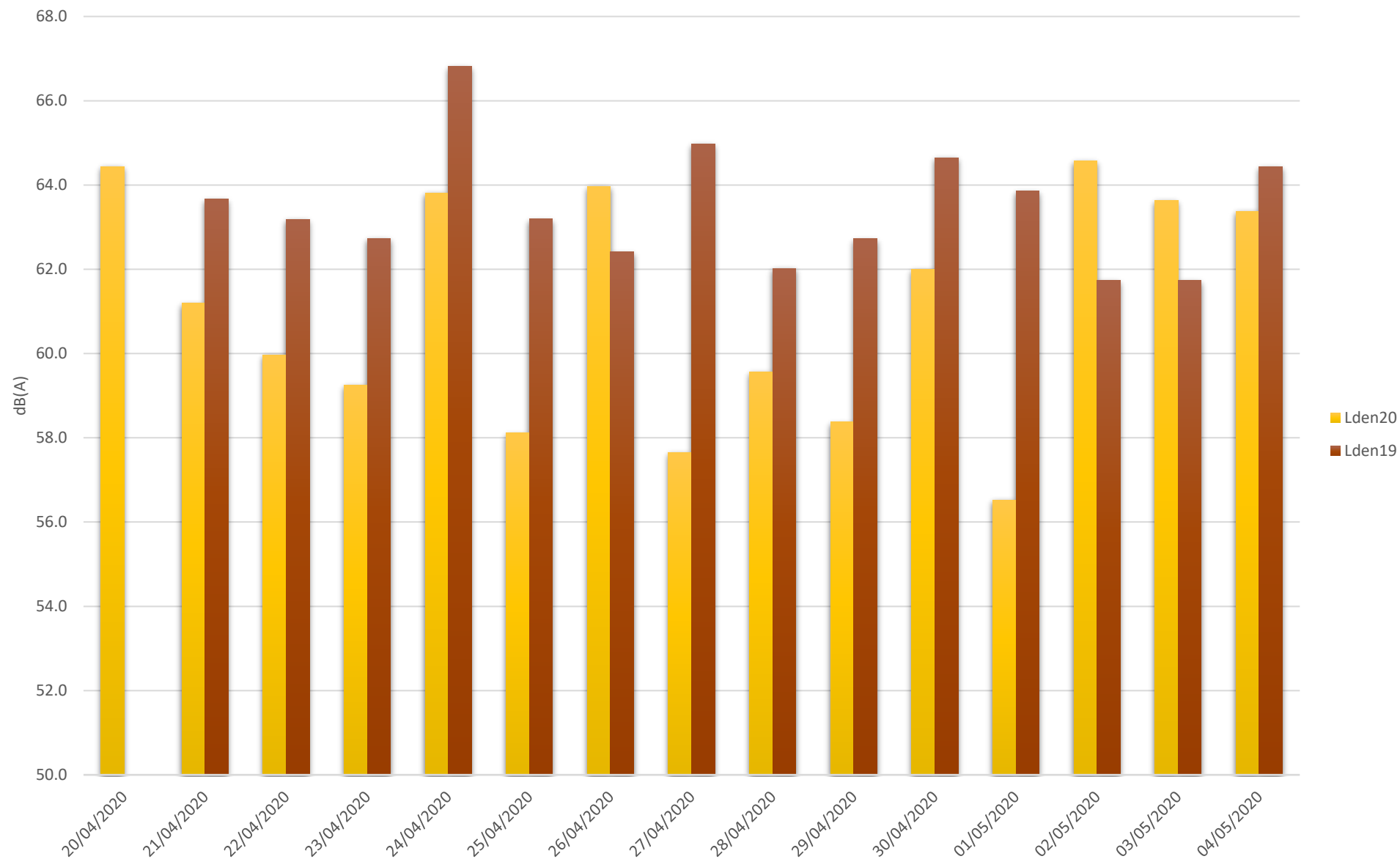


### O318 Corrélation Phase 1 Ind

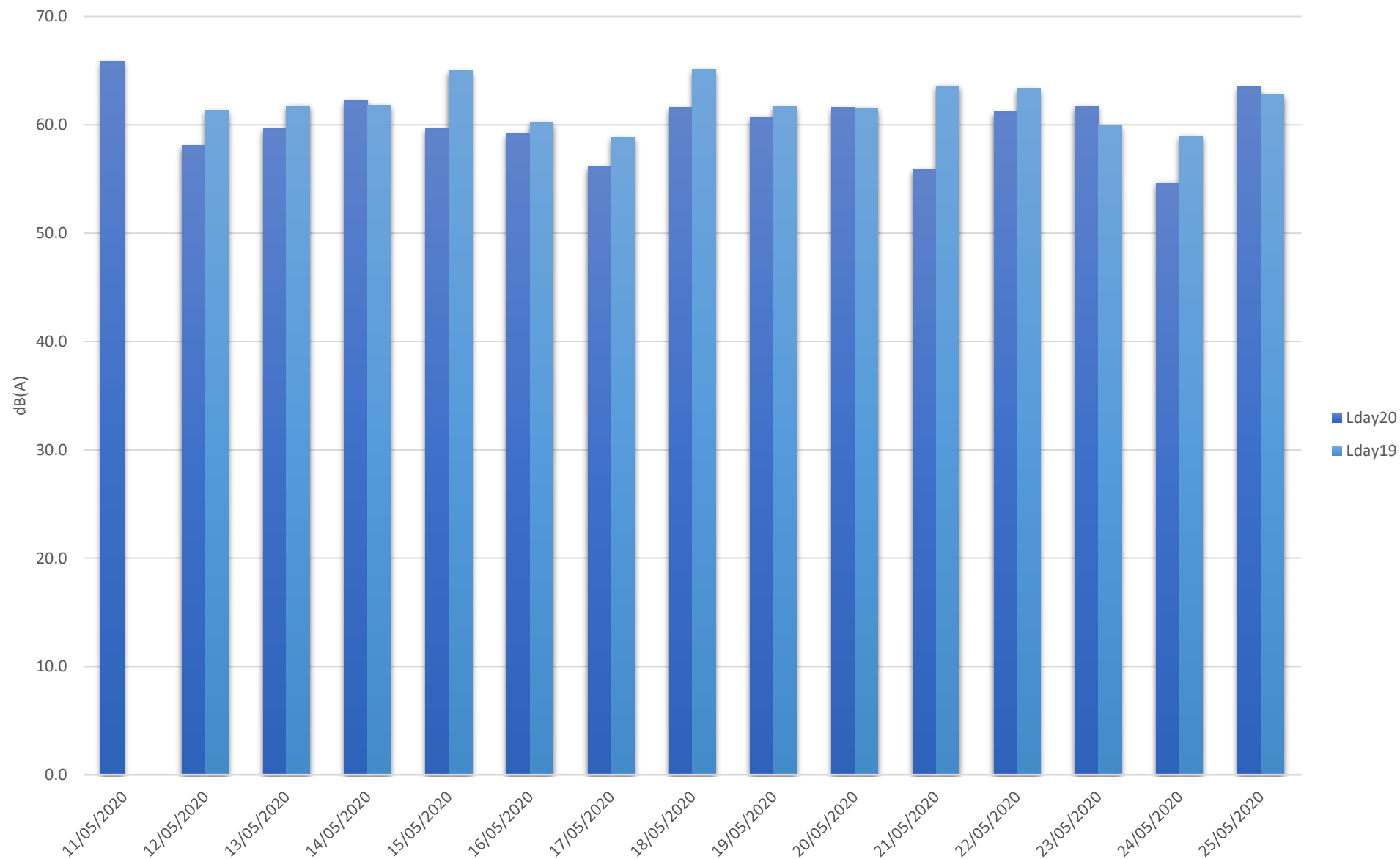




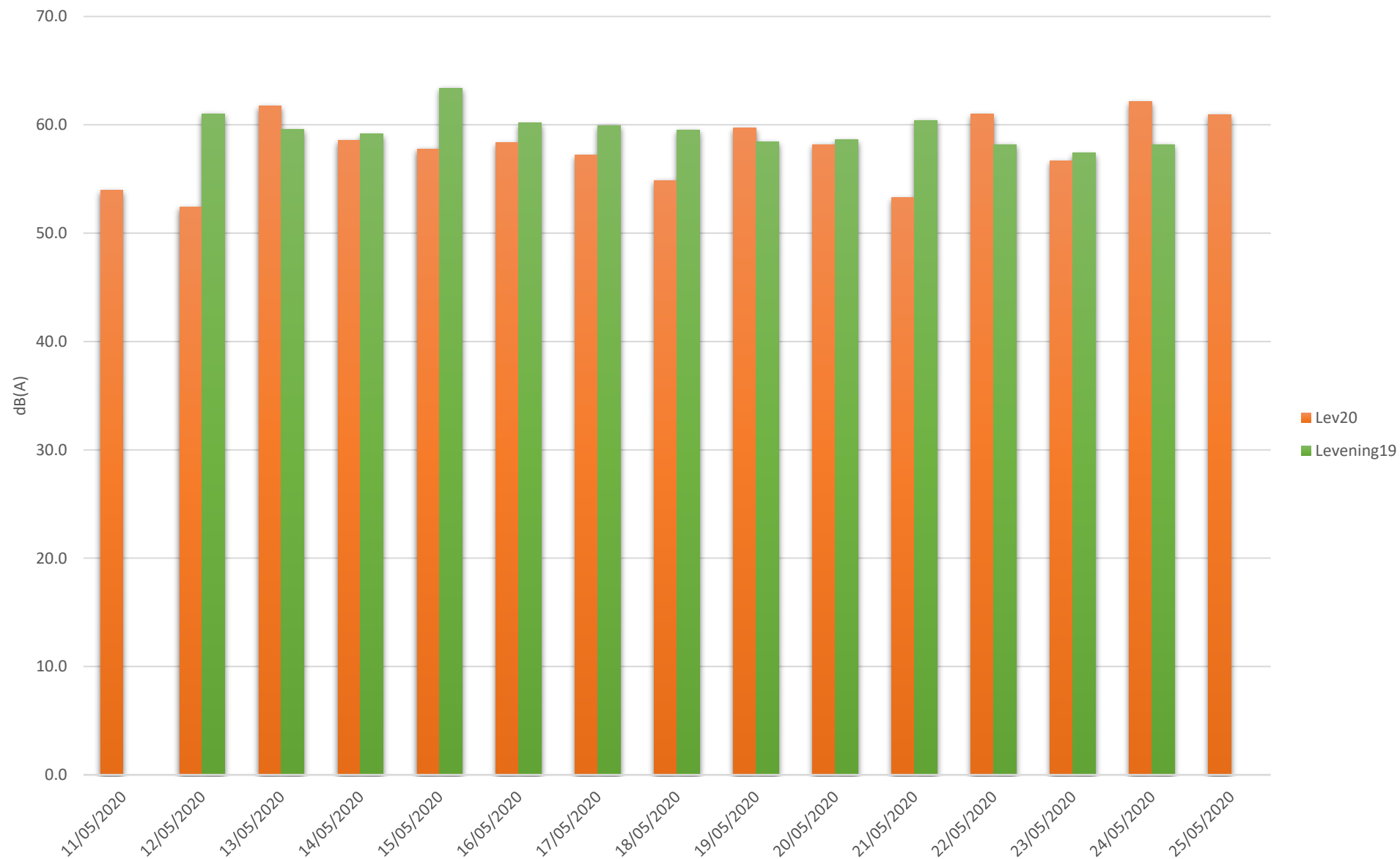
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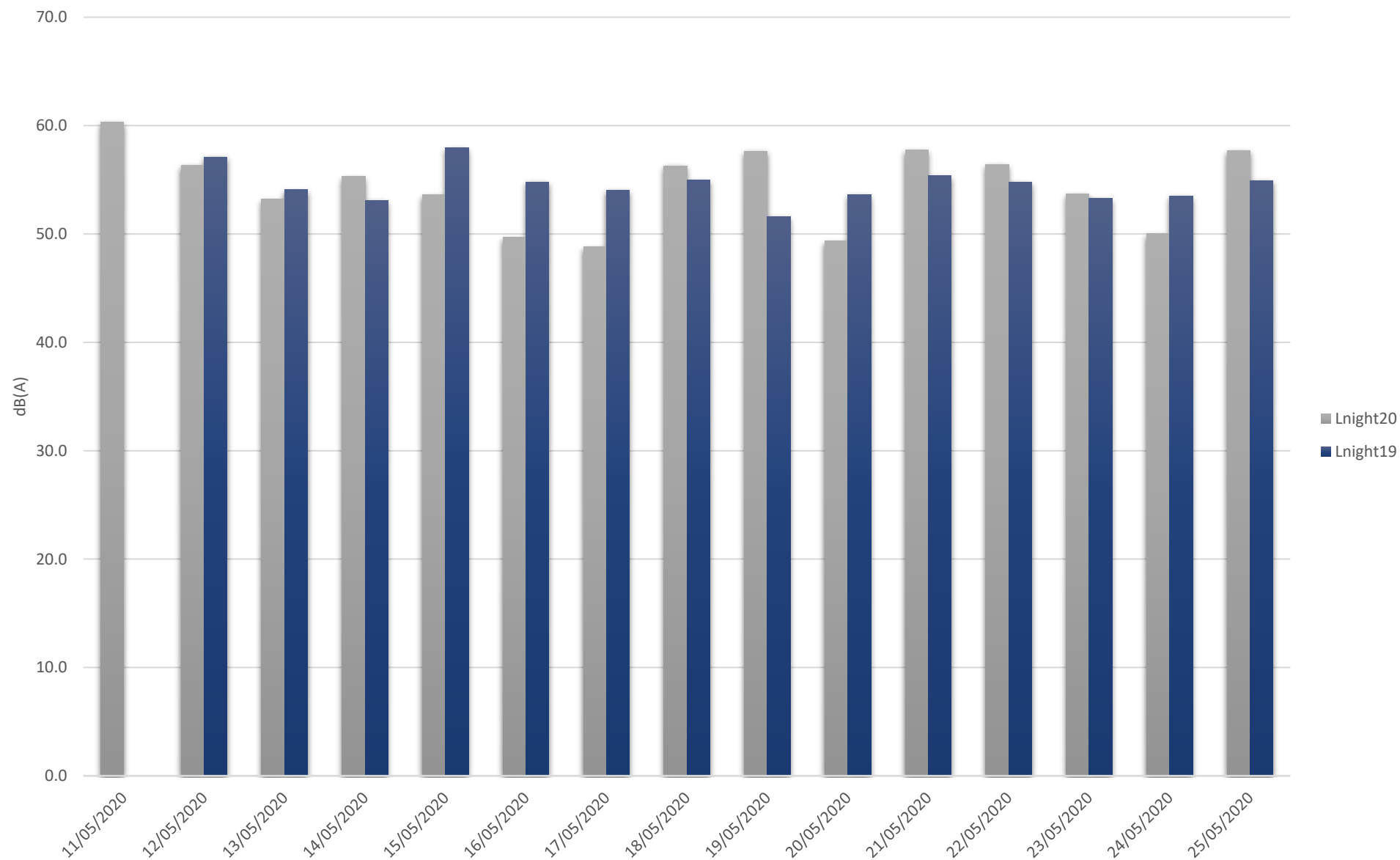
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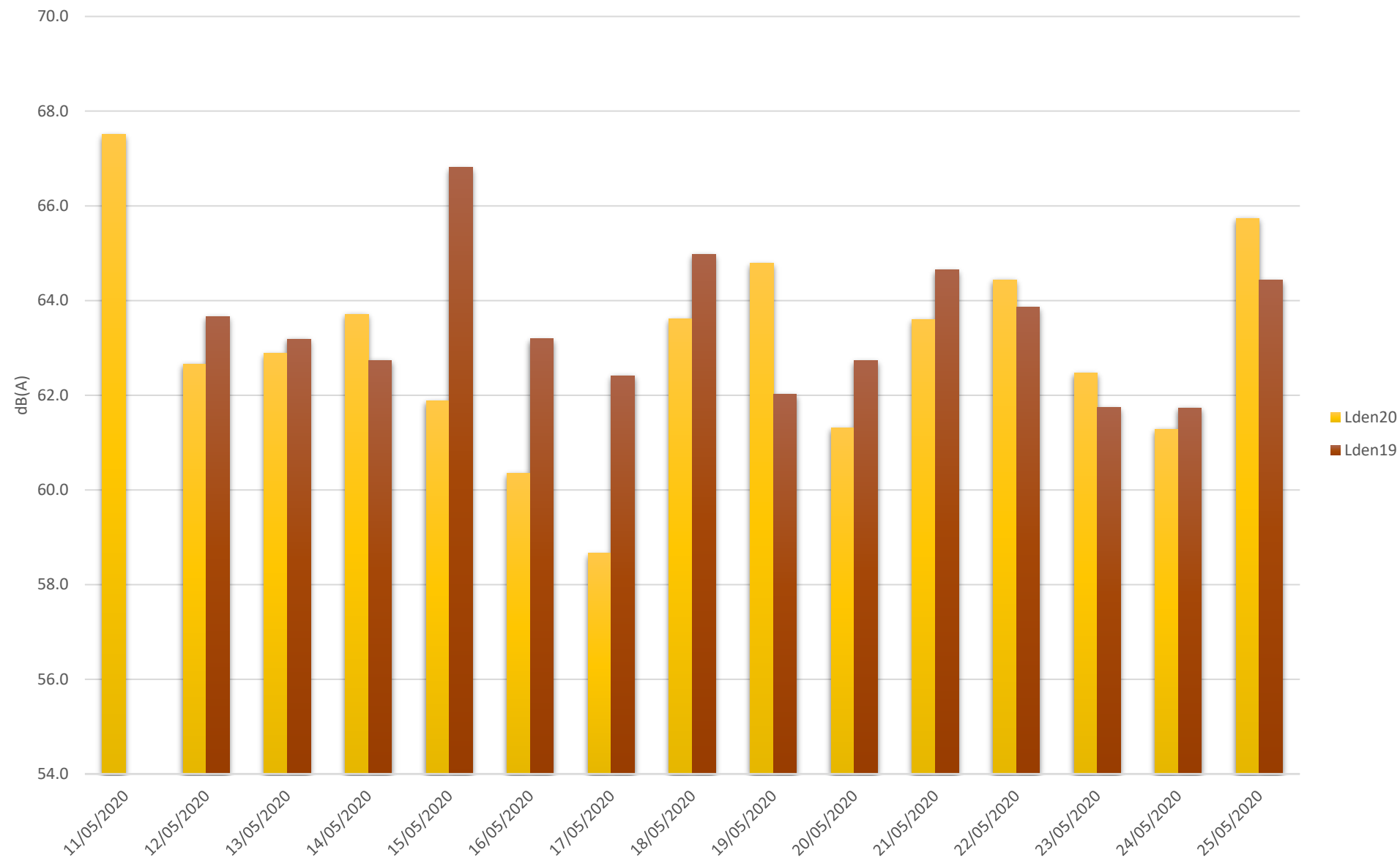
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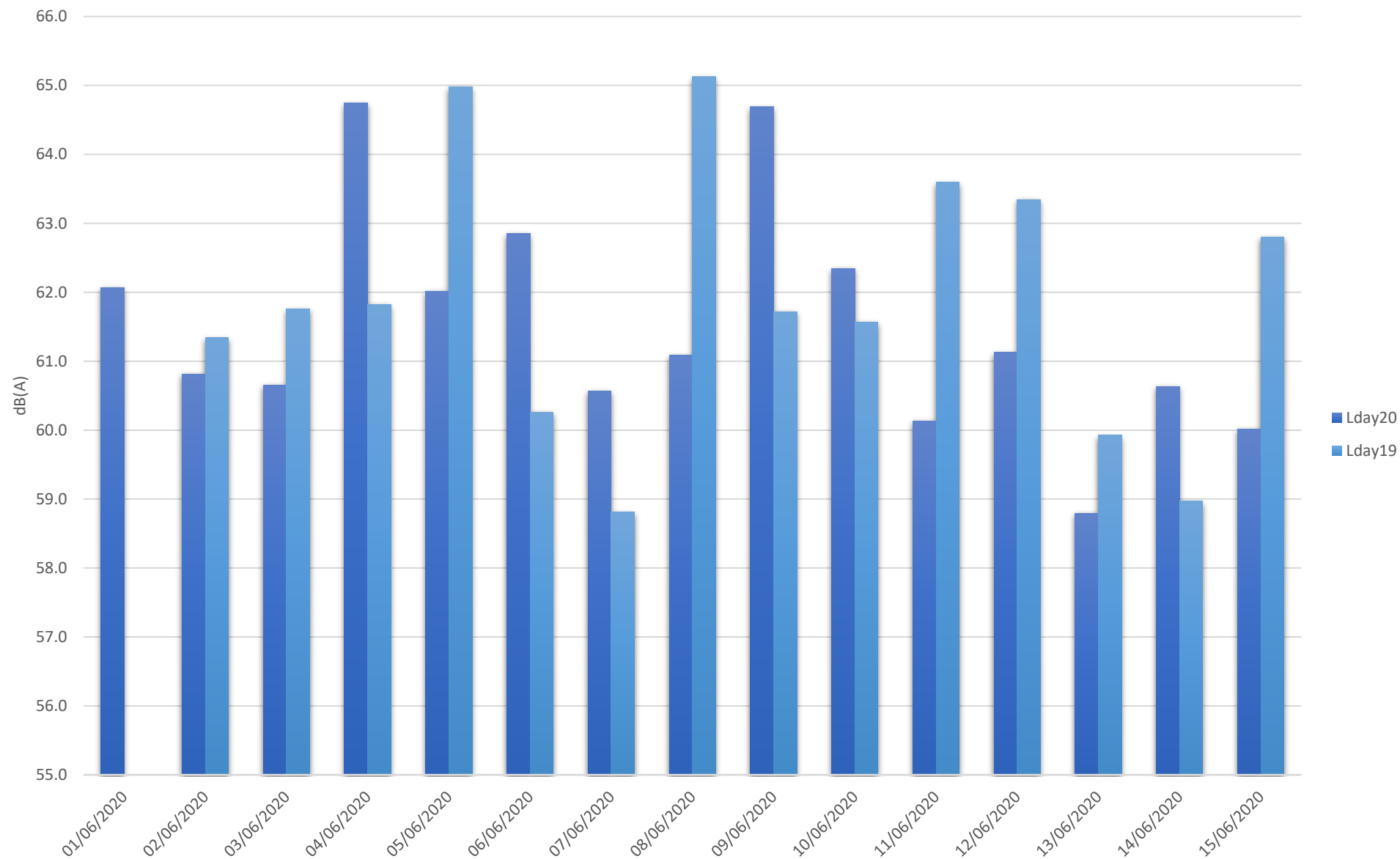
## O318 Corrélation Phase 2 Ind



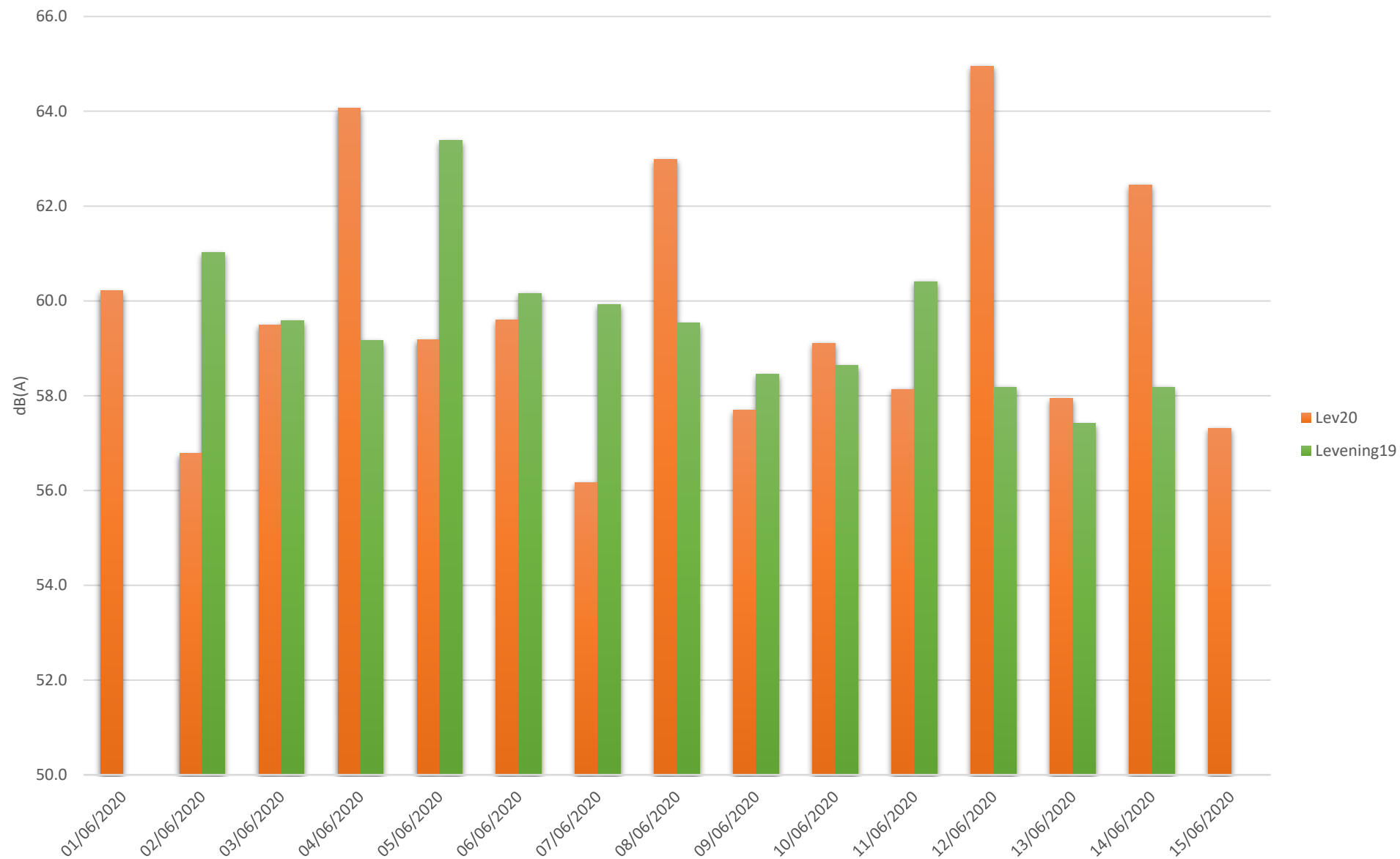
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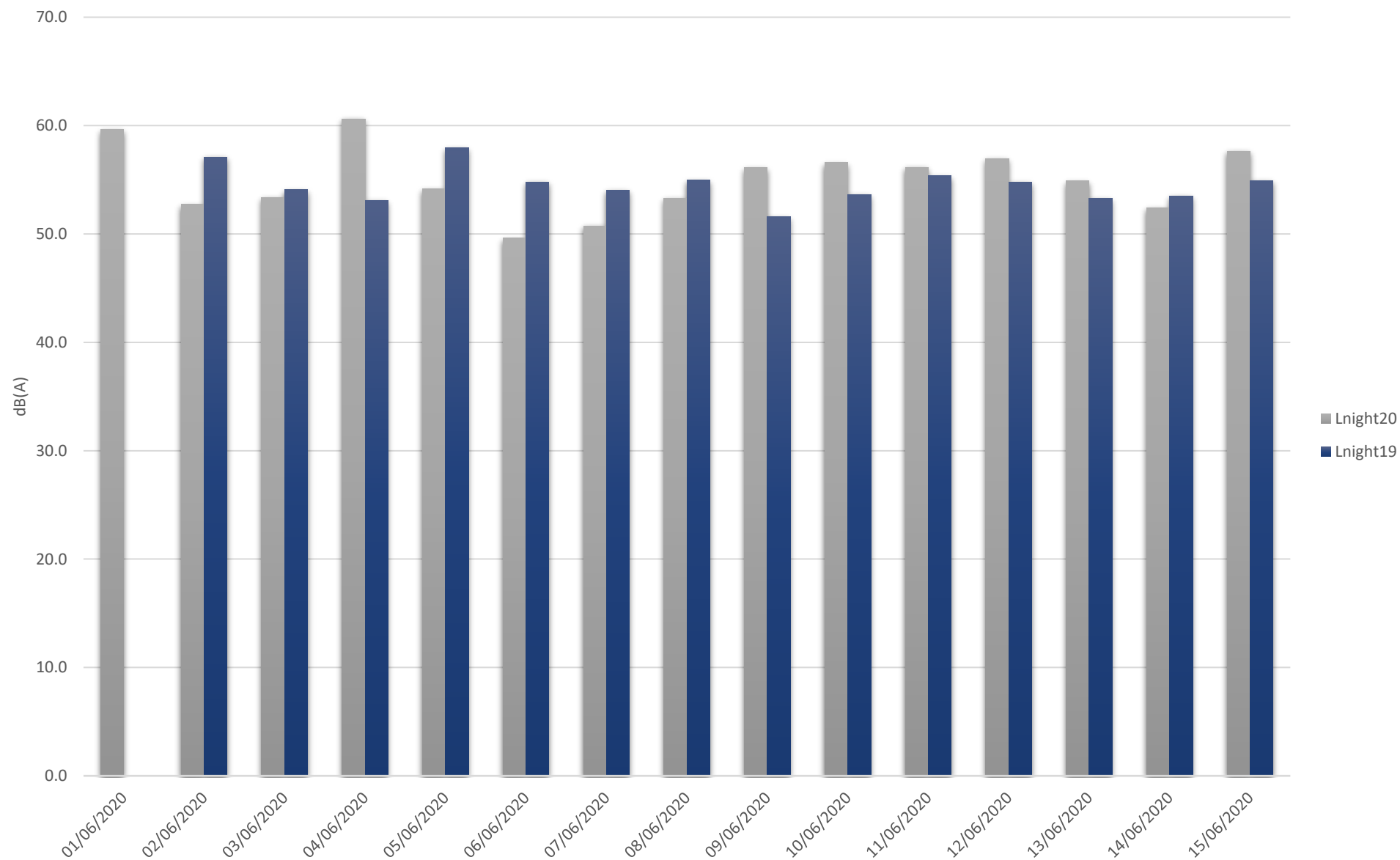
### O318 Corrélation Phase 3 Ind



### O318 Corrélation Phase 3 Ind

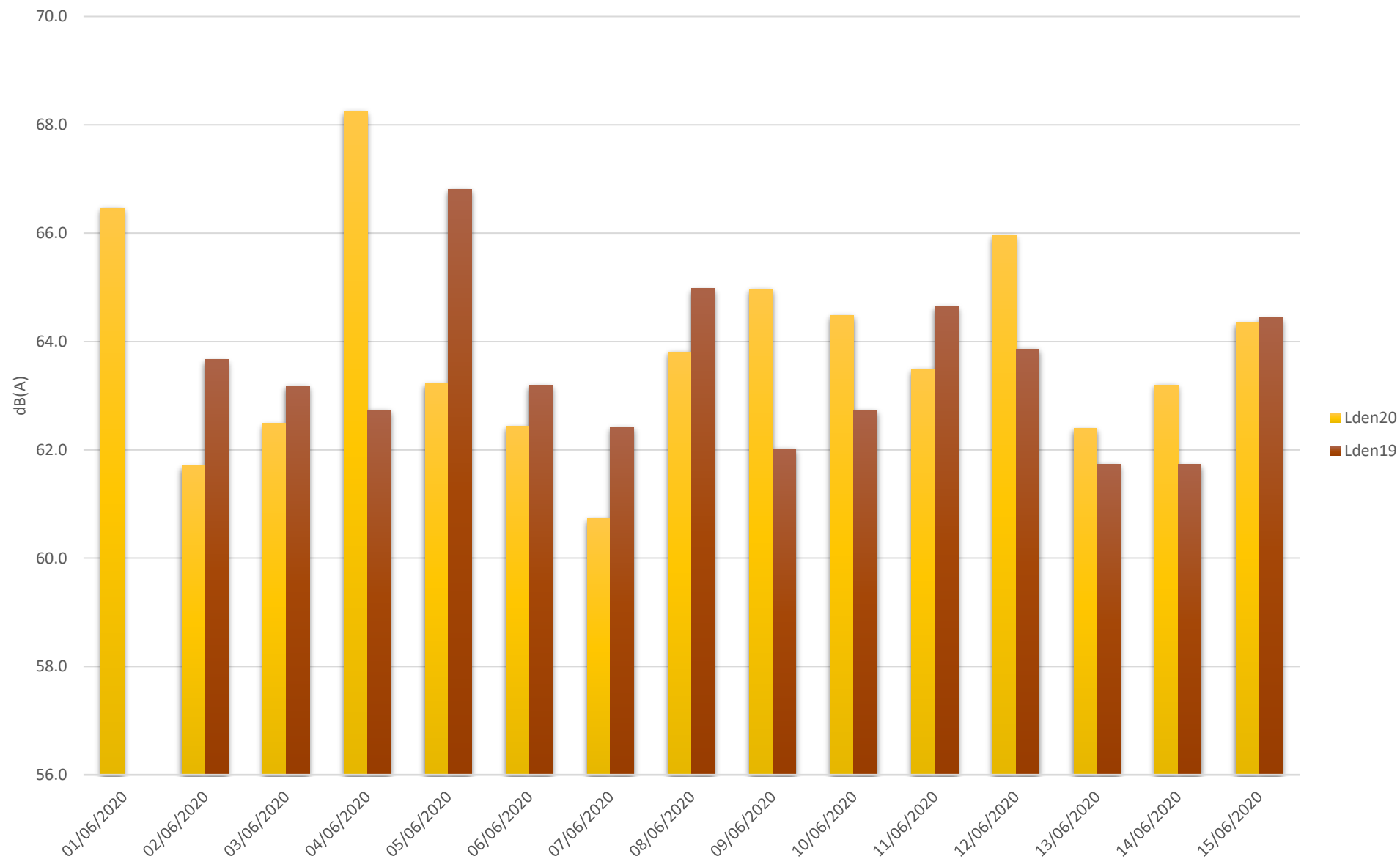



### O318 Corrélation Phase 3 Ind





### O318 Corrélation Phase 3 Ind

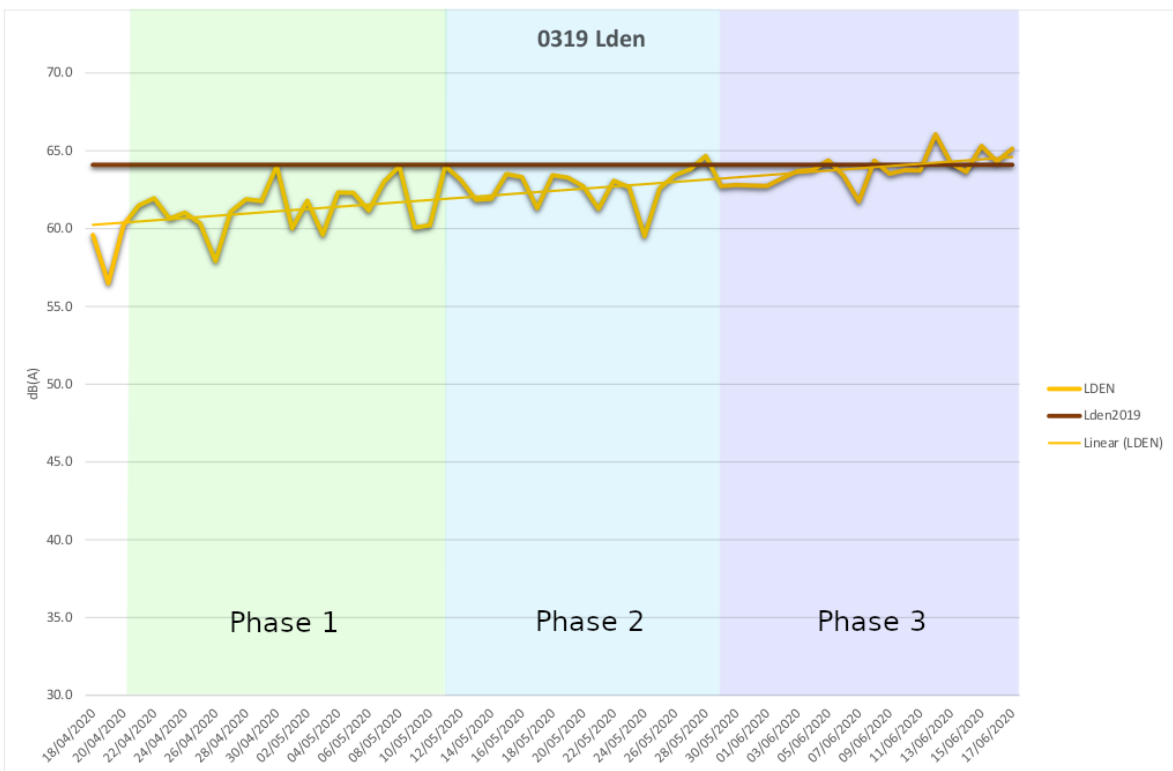
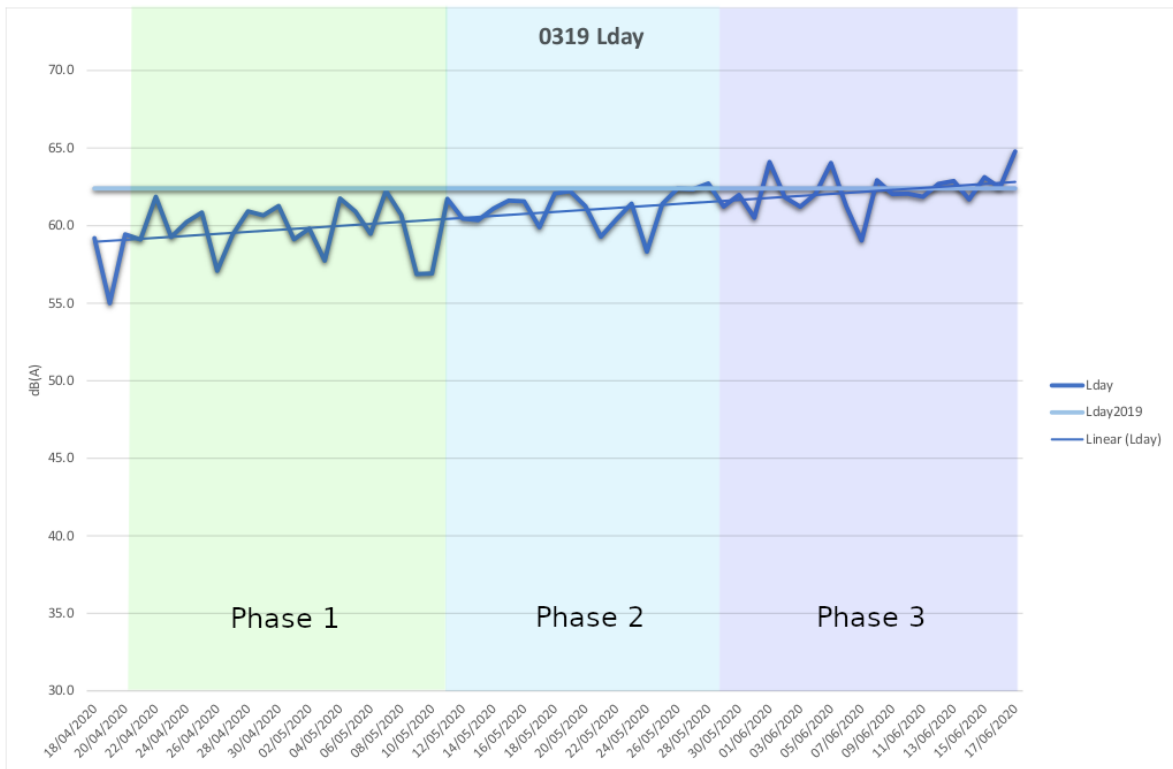


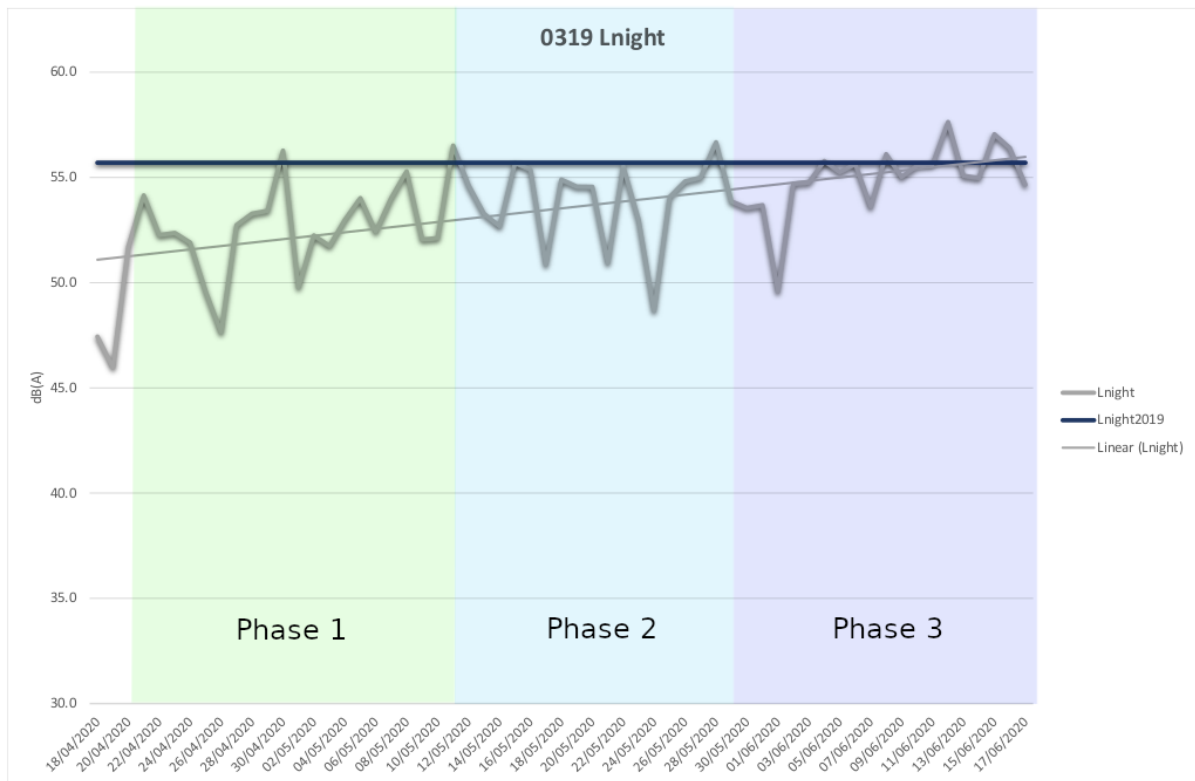
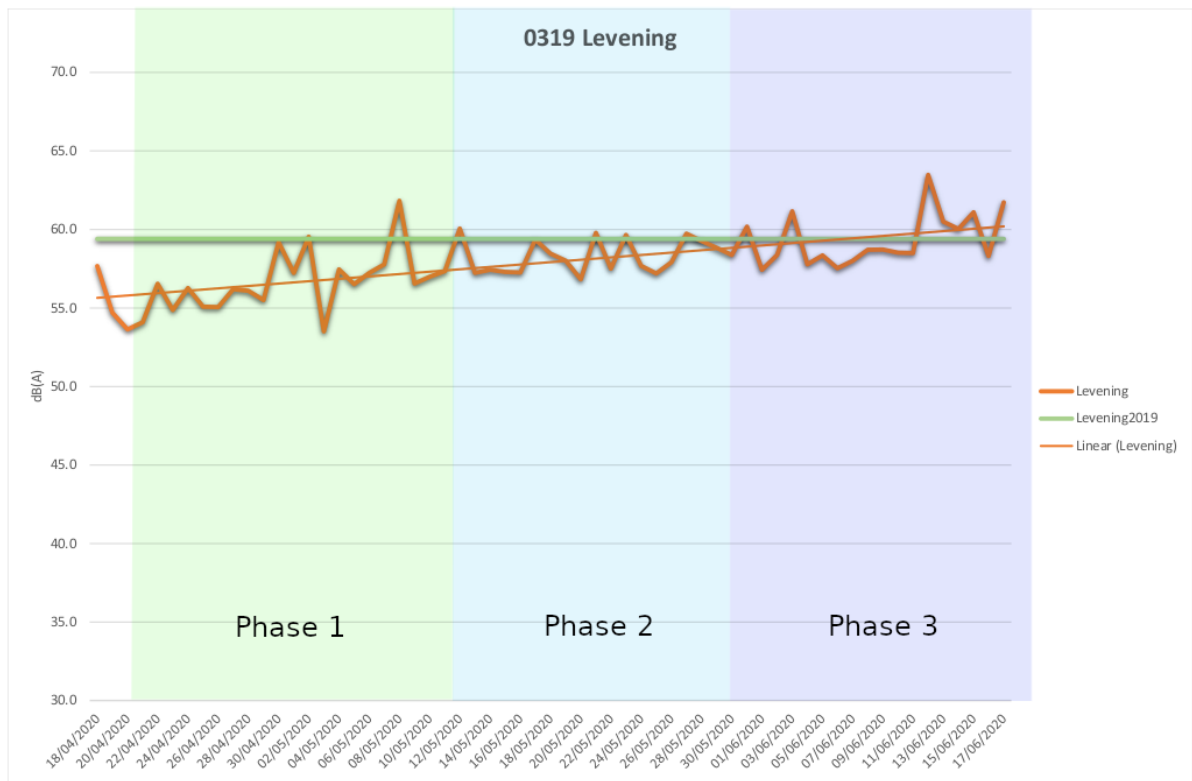
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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Point ID:	0319 (Sane_036)		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Belvaux		
Address:	rue de Soleuvre 6		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	62749 E	64142 N	336.8
<b>Measurements</b>			
Start:	17/04/20 18:00		
Finish:	18/06/20 14:20		
<b>Point description</b>			
Microphone height:	4.6		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

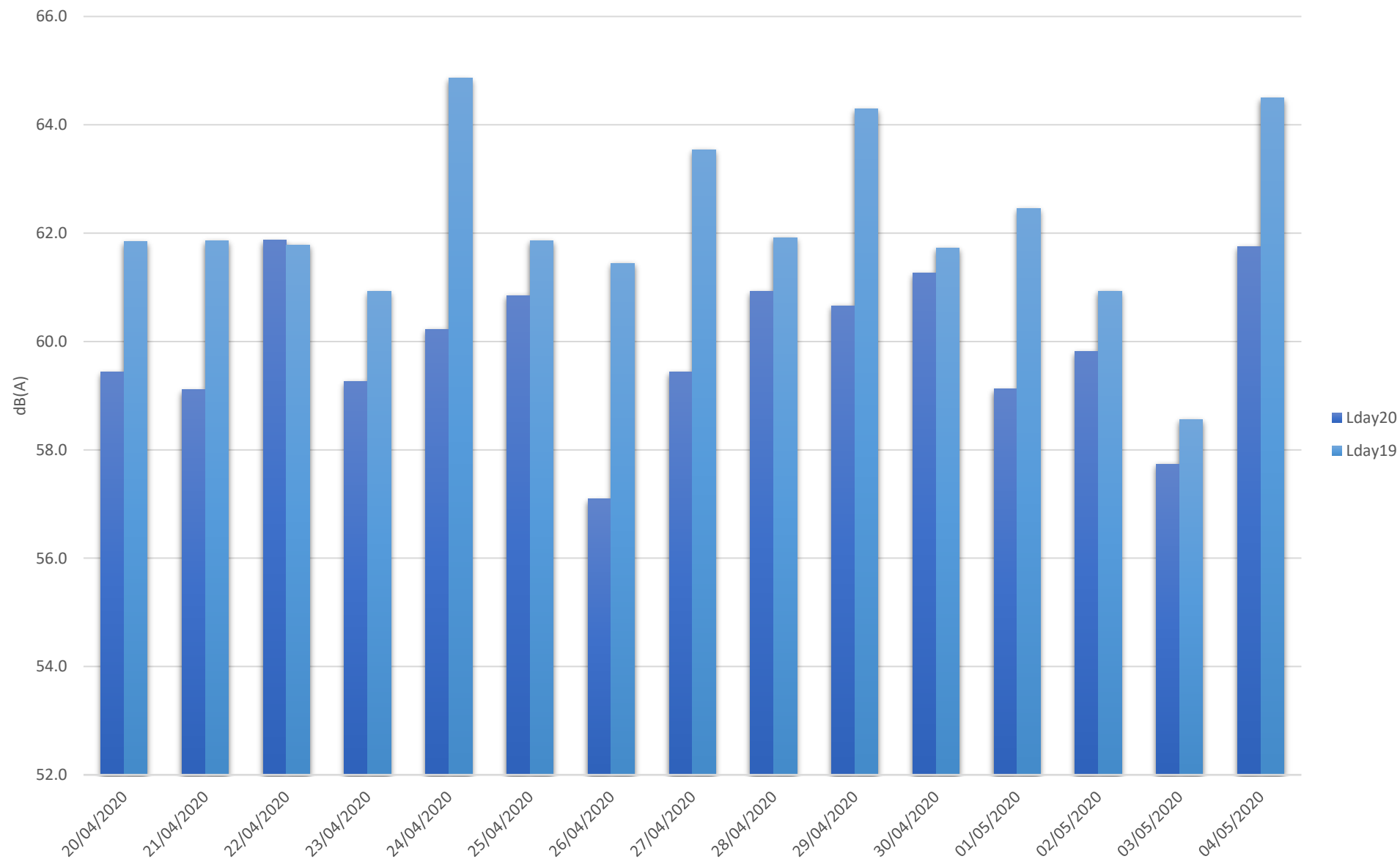
UTC+02:00																																		
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020	
Heure		52.4	46.4	48.7	51.4	46.5	41.7	42.5	39.1	53.1	41.5	44.2	52.1	48.3	48.5	49.4	47.5	43.4	47.6	59.1	51.7	45.6	51.0	53.0	50.0	51.8	46.7	48.3	50.9	44.4	45.5	49.1	50.1	
0-1		37.7	40.5	48.9	41.7	45.8	41.1	45.4	44.6	41.1	39.9	40.0	42.5	50.2	38.7	40.1	51.9	48.7	49.9	40.8	42.3	47.4	40.2	49.2	49.4	39.4	48.3	54.1	52.4	57.7	47.7	45.7	47.2	
1-2		40.2	39.9	40.1	45.7	45.1	38.0	39.4	41.8	39.7	36.7	50.8	42.0	41.1	40.0	38.3	49.5	39.3	46.0	38.8	40.5	45.0	49.4	41.4	39.2	38.5	38.5	42.2	44.7	38.2	57.2	38.9	47.3	
2-3		39.3	41.2	39.5	38.3	43.7	39.8	39.3	39.8	38.6	49.1	45.7	44.4	41.3	46.4	40.1	46.0	42.6	43.5	42.4	52.3	43.1	42.1	51.8	48.0	38.5	46.5	40.0	47.3	38.5	47.5	44.0	42.8	
3-4		49.6	45.0	42.3	45.5	43.6	46.5	40.5	47.6	45.3	43.4	54.5	48.8	50.0	43.7	41.2	47.9	48.3	47.7	51.3	52.9	43.0	46.2	47.3	44.3	43.4	53.1	47.4	49.1	42.9	44.4	48.0	43.6	
4-5		53.9	50.2	54.4	53.5	52.1	53.5	52.7	50.7	54.1	57.0	57.3	52.2	49.8	59.9	54.0	52.3	54.6	56.4	54.2	52.3	51.6	59.0	54.9	54.8	50.8	55.3	56.6	53.8	54.1	55.0	55.1	50.4	
5-6		57.7	62.4	59.0	59.0	59.4	53.8	48.8	60.8	59.7	59.4	63.4	53.2	55.2	46.5	60.2	60.5	58.6	60.2	60.9	56.3	59.7	63.6	61.6	59.5	59.7	62.1	56.6	50.1	61.1	60.8	61.9	50.1	
6-7		58.6	58.2	62.1	58.2	60.3	56.8	50.0	58.5	59.1	59.3	61.4	50.2	51.5	50.5	61.9	59.8	60.0	59.7	60.0	50.9	54.9	63.2	61.4	59.5	60.9	62.9	58.9	55.9	65.8	62.0	62.7	48.2	
7-8		56.6	58.2	68.1	60.1	58.0	60.0	53.0	58.6	60.3	58.1	60.5	55.5	56.1	51.4	59.0	60.0	58.5	58.9	59.0	58.5	53.4	61.5	58.3	59.3	61.5	59.4	61.4	52.9	61.0	61.0	60.9	55.6	
8-9		58.9	59.4	59.9	56.6	59.6	57.1	51.3	61.1	60.7	60.4	60.5	58.8	57.2	55.1	57.7	59.9	59.0	59.3	58.9	58.7	55.8	60.0	61.1	59.8	62.6	62.2	60.8	57.6	61.2	62.6	61.5	57.5	
9-10		58.5	61.3	60.1	58.7	57.7	57.6	61.1	58.2	62.4	58.3	59.1	61.9	60.5	55.2	60.3	59.3	58.7	66.8	59.6	58.9	54.3	62.4	59.4	59.0	63.1	60.7	61.9	60.2	61.9	60.3	59.8	59.8	
10-11		63.6	58.9	57.9	58.6	59.9	60.3	54.1	58.6	61.7	62.3	59.8	58.2	60.2	58.8	60.7	60.3	58.3	58.8	61.4	55.4	55.3	61.4	60.2	61.0	57.9	60.6	64.8	58.1	62.0	59.5	59.5	58.9	
11-12		59.8	58.2	59.3	59.5	59.8	57.5	58.6	59.8	61.3	62.9	58.3	56.7	60.2	56.2	68.3	59.9	57.4	60.3	58.4	64.7	57.6	54.0	63.0	62.2	60.9	61.6	62.1	63.8	63.1	63.2	65.3	62.3	60.1
12-13		58.2	58.4	58.0	59.1	60.3	59.3	55.3	58.1	61.1	61.5	58.4	61.7	61.3	58.7	57.9	59.2	59.7	63.7	59.7	58.8	55.5	63.0	62.1	61.1	61.7	62.3	59.3	59.1	62.5	59.7	58.4	57.8	
13-14		60.4	57.9	62.5	59.7	59.2	62.4	56.8	58.5	63.1	60.8	61.8	59.6	62.9	57.4	61.8	65.6	59.0	56.6	59.4	52.2	62.6	61.0	60.5	59.7	59.5	61.2	61.9	60.5	61.5	65.2	61.1	62.7	
14-15		59.1	59.2	58.8	63.3	62.6	54.3	59.3	63.6	59.8	62.1	64.0	57.9	62.6	62.0	59.6	59.4	59.2	60.6	59.6	55.7	52.7	60.8	59.7	59.6	59.3	61.7	60.7	61.2	60.5	61.9	59.7	57.4	
15-16		58.8	61.9	57.2	59.4	61.0	67.9	55.0	59.7	60.4	60.5	64.8	62.5	57.7	56.6	61.6	60.1	61.1	67.0	61.3	56.4	53.9	61.9	60.1	60.4	61.6	61.5	60.9	61.3	61.0	60.8	62.9	58.5	
16-17		57.9	58.7	63.8	55.8	61.5	57.5	54.4	57.2	59.9	59.3	61.6	58.2	59.2	60.7	59.8	63.3	59.7	60.1	61.8	54.5	57.8	61.0	59.1	60.8	61.2	61.6	60.2	61.4	60.0	62.5	62.9	62.6	
17-18		58.4	55.6	58.7	57.0	60.5	59.0	60.6	56.1	59.3	58.9	59.2	56.8	57.9	57.1	57.8	56.9	61.3	59.8	58.3	57.5	59.6	59.8	59.5	62.1	59.7	62.1	60.3	59.4	60.6	60.9	60.4	59.6	
18-19		54.4	54.2	57.8	56.2	56.8	56.3	56.1	55.9	54.2	55.3	55.9	60.2	59.0	55.6	57.2	57.2	58.1	58.8	56.7	57.2	58.6	57.4	56.4	60.2	60.3	58.8	56.2	58.1	59.1	57.9	58.2	58.5	
19-20		54.8	55.0	56.3	55.6	58.3	56.8	55.5	57.0	58.1	55.8	57.1	55.9	63.3	54.5	58.8	55.3	56.2	58.4	67.0	56.3	57.9	59.9	64.7	58.2	57.7	57.4	57.5	60.0	61.1	60.7	57.6	61.4	
20-21		53.1	52.6	58.3	55.2	55.8	51.1	53.9	54.6	58.0	54.9	59.3	55.8	55.0	52.9	57.4	57.8	55.9	58.3	56.4	54.8	55.7	57.0	55.4	55.1	53.6	56.8	58.8	61.3	57.8	56.9	56.7	57.8	
21-22		51.6	54.2	50.4	50.7	52.3	54.1	54.4	56.8	49.0	55.9	62.0	55.0	55.5	47.7	56.0	55.3	58.3	54.4	50.9	57.5	54.6	51.3	55.0	49.7	54.9	55.6	55.9	56.7	50.5	54.1	53.7	60.4	
22-23		47.8	50.6	49.0	51.0	45.5	52.4	50.7	47.7	54.0	53.8	52.6	49.5	57.9	41.1	52.2	54.0	53.3	52.9	54.0	53.3	51.5	48.1	53.7	48.1	53.5	53.6	57.9	61.6	52.4	54.6	47.5	52.8	57.2
23-24		59.4	59.1	61.9	59.3	60.2	60.8	57.1	59.4	60.9	60.7	61.3	59.1	59.8	57.7	61.8	60.9	59.5	62.3	60.7	56.9	56.9	61.7	60.5	60.4	61.1	61.6	61.6	59.9	62.1	62.2	61.2	59.3	
Σ <sub>Day</sub>		53.6	54.1	56.5	54.9	56.3	55.1	55.1	56.2	56.1	55.5	59.2	57.2	59.5	53.5	57.5	56.5	57.2	61.8	56.6	57.0	57.3	60.1	57.2	57.4	57.3	59.4	58.5	58.0	56.8	59.8			
Σ <sub>Evening</sub>		51.7	54.1	52.3	52.4	51.9	49.6	47.6	52.7	53.3	53.4	56.3	49.8	52.2	51.7	53.0	54.0	52.4	54.0	55.3	52.0	52.1	56.5	54.6	53.3	52.7	55.7	55.4	50.9	54.9	54.6	54.6	50.9	
Σ <sub>Night</sub>		60.2	61.5	62.0	60.6	61.0	60.3	57.9	61.1	61.9	61.8	64.0	60.0	61.8	59.6	62.3	62.3	61.2	63.0	64.0	60.1	60.2	64.0	63.1	61.8	61.9	63.5	63.3	61.3	63.4	63.3	62.7	61.3	

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020					
																												Heure	Semaine	Weekend	Sem.+Wk
56.0	48.1	50.7	41.7	49.0	50.5	50.5	55.4	57.0	51.0	53.8	46.3	53.6	53.2	53.3	56.2	59.6	51.7	50.5	54.8	53.6	51.0	57.8	59.4	52.7	53.7	50.6	0-1	51.6	53.8	52.4	
49.4	49.3	52.7	46.2	42.2	54.9	42.6	47.8	54.3	50.7	48.6	44.5	40.5	55.5	46.1	50.1	48.6	49.6	48.5	40.1	47.8	52.4	54.9	53.7	41.6	43.9	44.2	1-2	48.6	50.6	49.3	
41.6	44.1	47.7	38.4	40.2	43.5	45.5	37.3	42.1	49.5	40.3	37.8	40.4	49.3	46.5	43.2	54.2	47.3	38.3	38.5	37.4	47.7	43.3	50.9	54.1	42.6	38.5	2-3	46.2	46.4	46.3	
45.5	46.1	40.6	49.8	39.6	41.1	41.2	37.6	48.1	42.8	40.9	51.2	40.3	50.2	37.3	47.6	47.2	40.6	38.7	43.6	40.6	39.3	49.9	54.0	51.5	43.3	38.3	3-4	45.1	47.3	45.9	
49.1	47.1	42.8	53.3	43.2	48.0	46.7	44.7	41.2	43.3	42.9	44.3	47.5	54.3	50.1	52.9	46.2	50.5	49.9	44.1	49.9	48.6	48.9	49.7	49.9	52.0	50.4	4-5	48.7	47.7	48.4	
56.5	53.6	42.8	56.5	54.0	54.4	55.6	54.0	53.8	54.1	47.6	57.2	57.7	57.7	54.6	55.2	51.4	55.8	57.6	54.7	56.3	55.5	53.8	57.4	59.4	57.3	55.8	5-6	55.4	54.1	55.0	
61.0	58.6	51.6	60.2	62.6	61.7	61.0	60.2	56.1	50.2	47.5	61.0	60.8	60.8	60.9	59.8	50.4	63.2	61.5	62.3	62.2	61.3	59.9	46.1	63.6	63.6	61.7	6-7	61.0	55.5	59.9	
59.4	58.0	51.9	62.4	62.5	62.8	62.6	61.3	57.7	61.3	50.7	61.9	63.0	62.0	64.0	60.7	55.6	65.5	62.5	61.8	63.0	62.3	59.3	56.7	64.0	62.2	63.2	7-8	61.7	56.8	60.7	
60.0	61.1	55.0	62.4	62.6	62.5	61.6	61.1	59.8	54.5	54.1	61.1	60.2	60.4	61.3	59.9	54.9	61.7	60.0	62.6	61.5	62.4	59.1	55.9	64.8	61.3	61.3	8-9	61.0	57.4	60.2	
58.5	61.9	57.9	60.8	60.4	61.6	61.6	60.5	60.9	54.7	55.5	60.9	59.1	60.5	61.3	61.1	59.8	62.2	59.9	61.1	61.7	62.6	62.4	59.9	62.8	59.4	59.8	9-10	60.5	58.8	60.0	
58.9	64.4	59.1	61.1	65.3	62.6	63.1	60.7	64.6	58.6	56.2	61.6	63.5	62.5	62.4	59.8	59.4	60.1	60.7	62.9	61.2	62.7	62.5	66.9	62.1	61.7	61.8	10-11	61.4	61.1	61.3	
62.4	62.2	60.0	59.4	60.0	60.9	63.1	61.4	62.7	58.5	57.9	59.8	61.7	63.3	62.7	62.7	60.3	62.2	61.3	62.0	61.8	60.8	63.7	62.6	63.1	59.9	60.9	11-12	60.9	61.1	60.9	
61.2	61.3	60.0	59.3	60.4	62.6	64.4	60.3	62.7	59.6	73.5	61.5	61.0	60.1	61.1	60.9	63.1	61.5	61.4	60.4	60.3	66.2	62.0	62.4	62.5	67.4	64.7	12-13	63.4	60.9	62.8	
59.7	60.9	57.0	63.3	62.7	63.5	63.2	61.7	61.0	68.0	60.1	64.3	60.0	62.5	66.5	61.3	58.3	65.5	60.2	61.8	62.4	62.4	62.0	60.3	61.3	62.7	64.7	13-14	61.8	60.7	61.5	
58.7	60.9	57.6	61.7	61.2	62.2	63.7	61.7	60.2	58.2	62.6	61.1	61.2	61.8	64.8	62.0	57.6	61.1	60.3	61.7	61.4	60.4	62.7	61.1	63.1	62.1	68.5	14-15	62.0	60.3	61.5	
60.3	60.5	58.8	59.9	61.3	61.8	61.4	59.8	63.2	58.5	56.7	63.9	60.7	61.9	64.2	60.8	59.1	65.6	67.3	60.9	60.9	62.1	62.4	60.5	62.3	61.0	64.0	15-16	61.6	60.0	61.2	
60.5	59.9	58.9	61.4	59.8	61.3	62.1	62.7	59.7	58.6	60.1	60.5	59.8	61.7	66.3	61.7	58.8	61.5	61.6	63.1	63.4	61.6	65.8	60.2	62.1	63.4	66.3	16-17	62.0	61.0	61.7	
60.7	60.5	59.5	61.6	63.5	61.7	63.0	62.1	64.2	56.1	63.1	61.1	60.9	63.0	64.7	62.1	57.1	61.5	60.6	63.0	61.4	62.7	65.4	61.8	64.5	61.5	66.9	17-18	61.8	60.3	61.4	
62.3	62.4	58.7	61.6	64.7	63.8	61.4	60.5	62.2	56.2	58.0	61.9	61.3	63.3	64.6	60.9	58.4	61.5	61.4	62.4	62.4	63.1	62.3	61.6	63.4	59.3	66.4	18-19	61.2	59.8	60.8	
58.5	59.8	59.2	60.0	57.6	60.8	58.8	58.2	60.4	60.1	56.9	58.9	61.3	59.6	59.0	57.1	59.2	60.5	59.9	60.6	59.7	67.6	61.7	62.1	61.1	59.8	62.8	19-20	59.4	58.7	59.2	
56.8	61.2	59.1	57.0	59.3	60.4	62.3	59.0	58.0	60.7	58.9	57.5	60.6	57.5	59.2	59.3	57.5	59.1	60.6	59.2	57.6	61.3	60.9	60.2	61.7	58.7	63.1	20-21	59.7	59.0	59.5	
59.1	59.6	56.4	56.0	57.4	59.9	56.4	60.3	58.2	62.2	57.9	57.3	62.2	57.6	57.5	57.8	58.5	58.6	54.4	54.9	59.3	60.1	56.2	59.1	61.1	57.7	60.7	21-22	57.7	57.7	57.7	
54.2	57.1	54.3	52.8	56.8	56.8	56.7	57.2	55.6	54.7	55.3	59.4	60.3	55.5	57.5	54.6	56.3	55.0	57.6	57.5	57.5	56.8	58.8	61.4	57.2	60.5	56.4	59.2	22-23	56.5	56.4	56.4
57.3	55.7	45.0	52.1	53.2	53.7	62.7	53.1	54.5	60.5	54.1	55.3	54.6	53.5	58.8	59.3	53.9	55.6	53.9	57.2	56.3	64.0	54.0	55.3	52.9	53.5	53.3	23-24	55.3	55.5	55.4	
60.4	61.4	58.3	61.4	62.4	62.3	62.7	61.2	62.0	60.5	64.1	61.8	61.2	62.0	64.0	61.2	59.0	62.9	62.0	62.1	61.9	62.7	62.9	61.7	63.1	62.4	64.8	Z <sub>Day</sub>	61.7	60.0	61.2	
57.5	59.6	57.7	57.2	57.9	59.7	59.3	58.8	58.4	60.2	57.4	58.4	61.2	57.8	58.3	57.5	58.0	58.7	58.7	58.5	58.5	63.5	60.5	60.0	61.1	58.3	61.7	Z <sub>Evening</sub>	58.5	58.1	58.4	
55.5	53.0	48.7	54.1	54.8	55.0	56.7	53.9	53.6	53.7	49.6	54.7	54.8	55.8	55.2	55.6	53.6	56.1	55.0	55.6	55.6	57.6	55.1	55.0	57.1	56.4	54.7	Z <sub>Night</sub>	54.6	52.7	54.1	
63.1	62.6	59.5	62.6	63.4	63.8	64.7	62.7	62.8	62.8	62.7	63.2	63.7	63.8	64.4	63.4	61.8	64.4	63.5	63.8	63.7	66.1	64.2	63.6	65.3	64.3	65.1	L <sub>GEN</sub>	63.1	61.6	62.8	

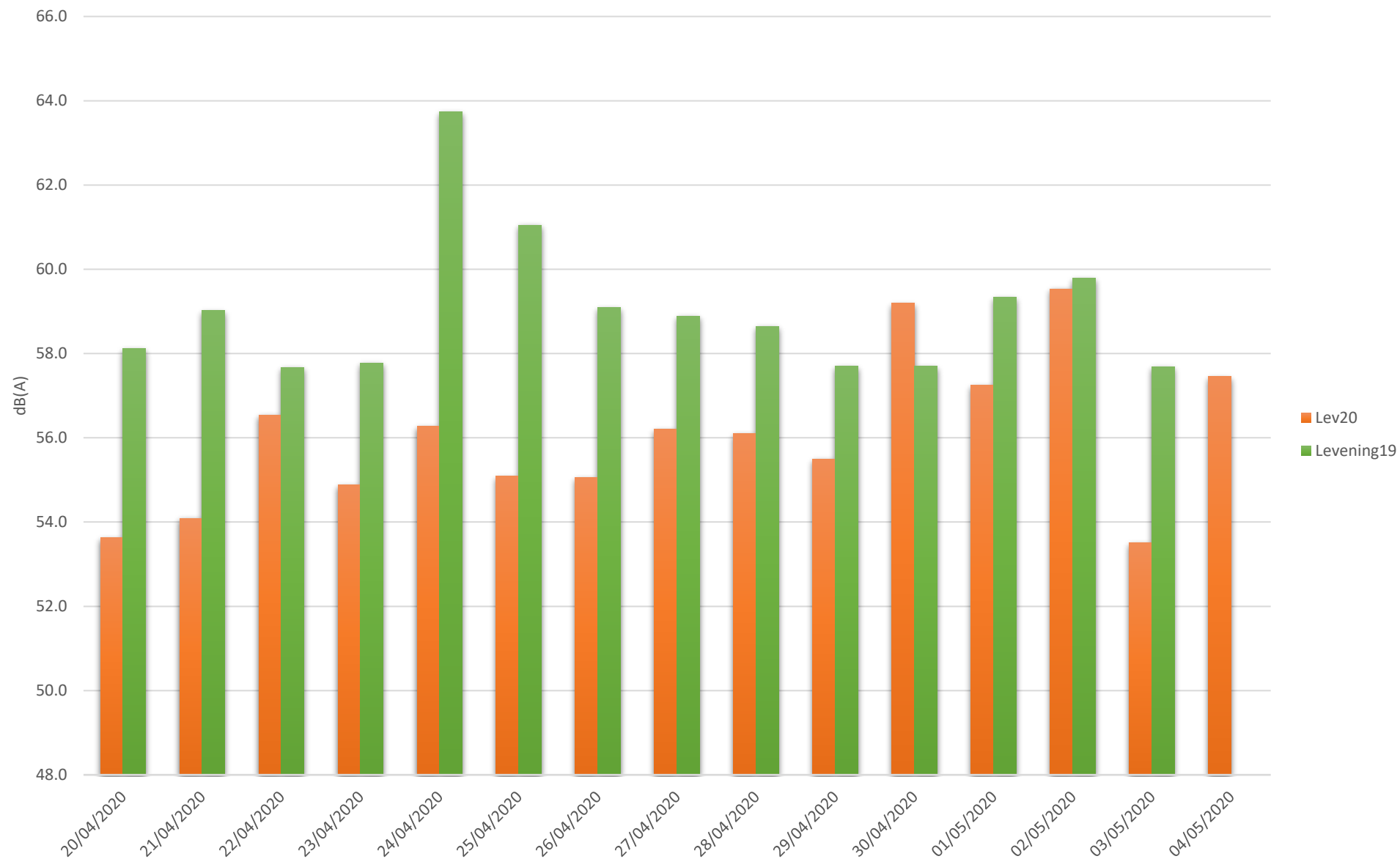




### O319 Corrélation Phase 1 Ind

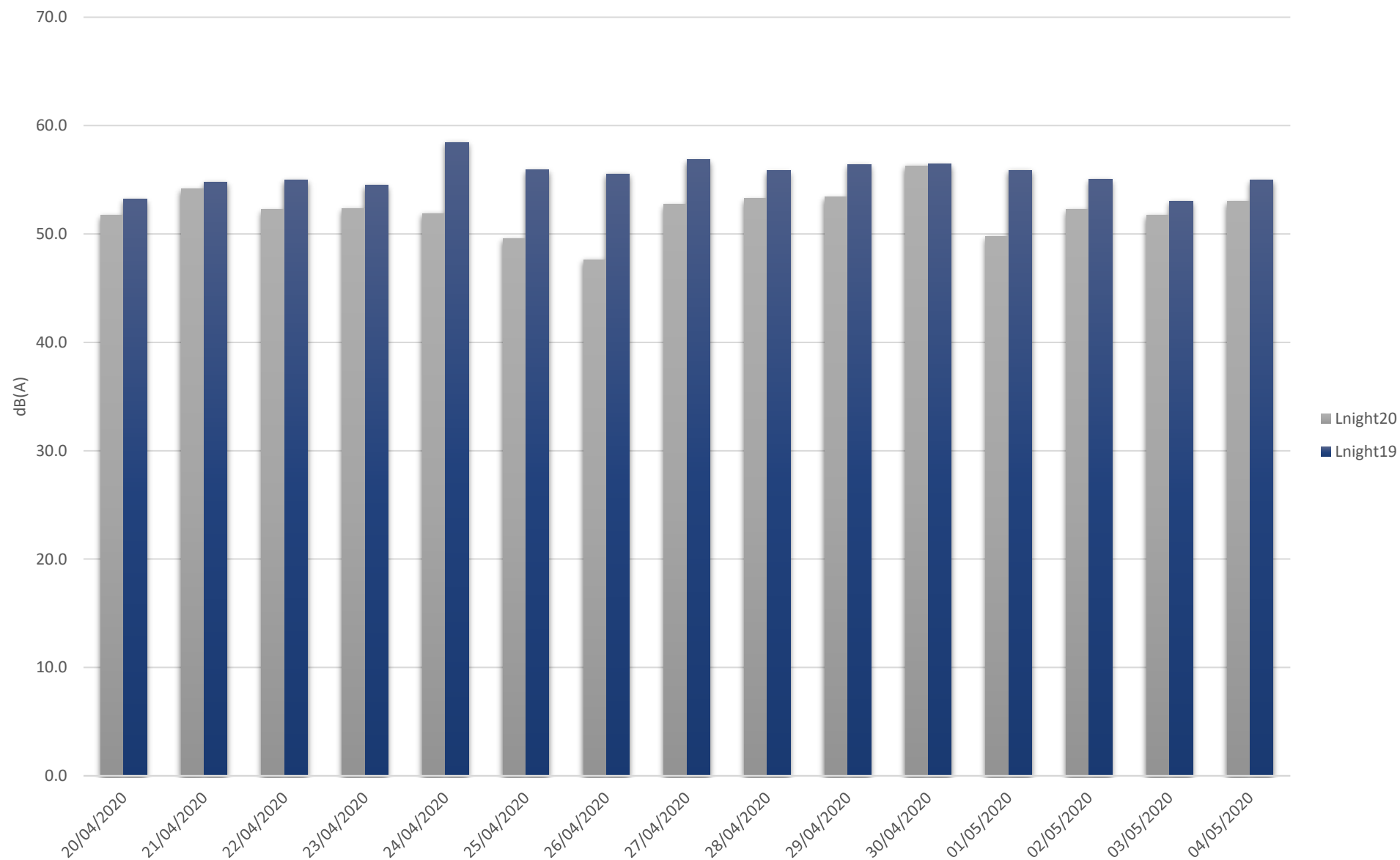


### O319 Corrélation Phase 1 Ind

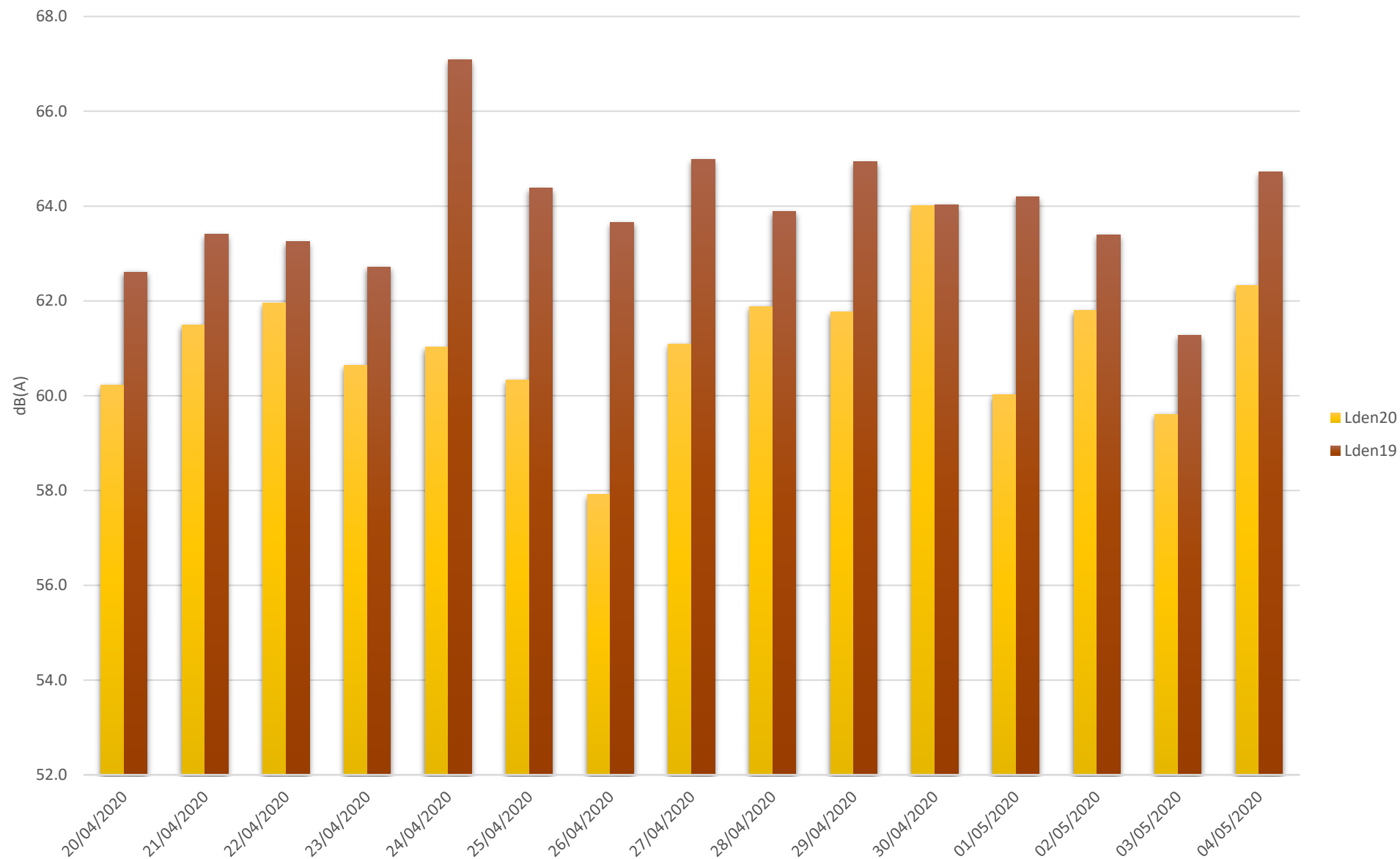




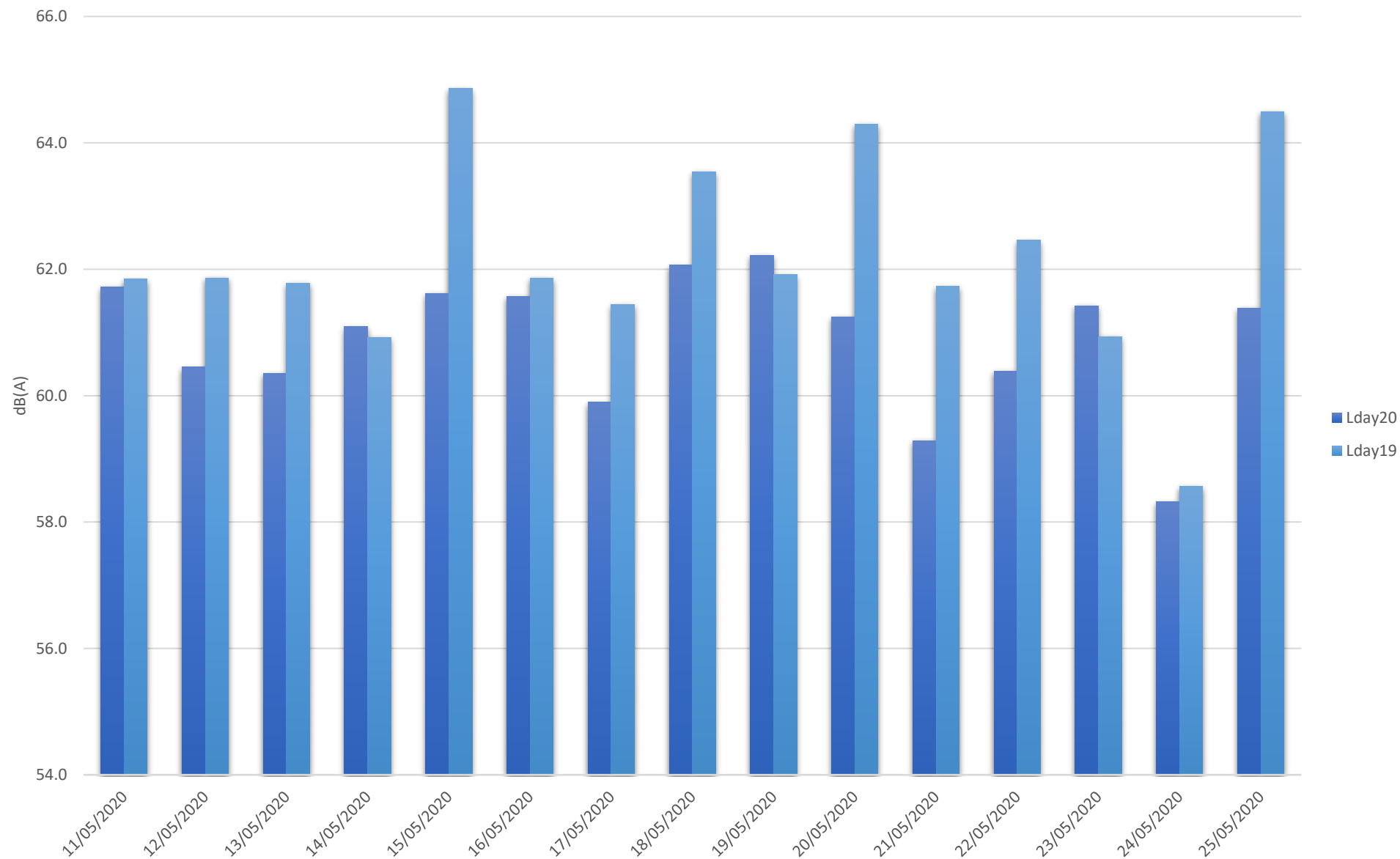
### O319 Corrélation Phase 1 Ind



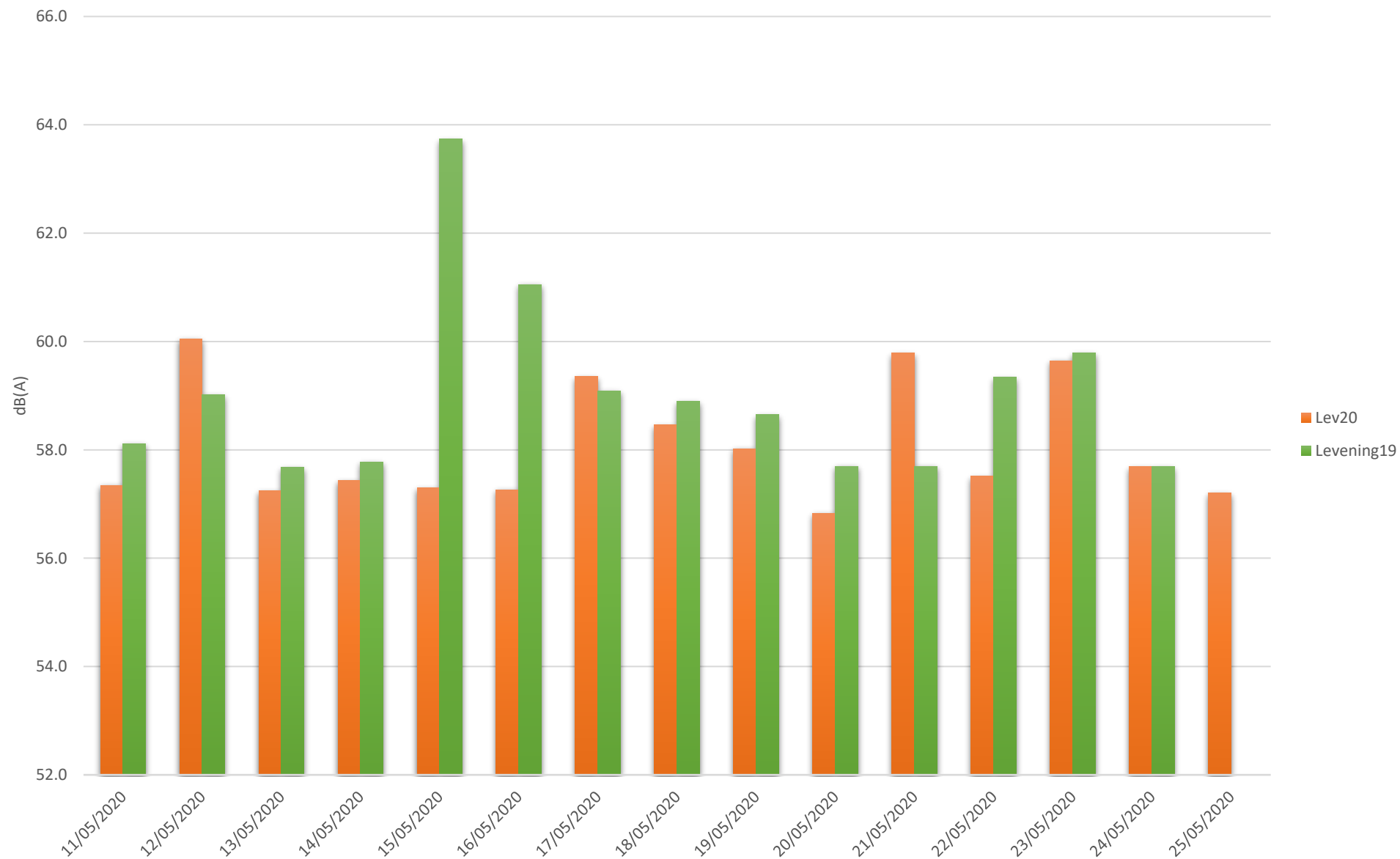
### O319 Corrélation Phase 1 Ind



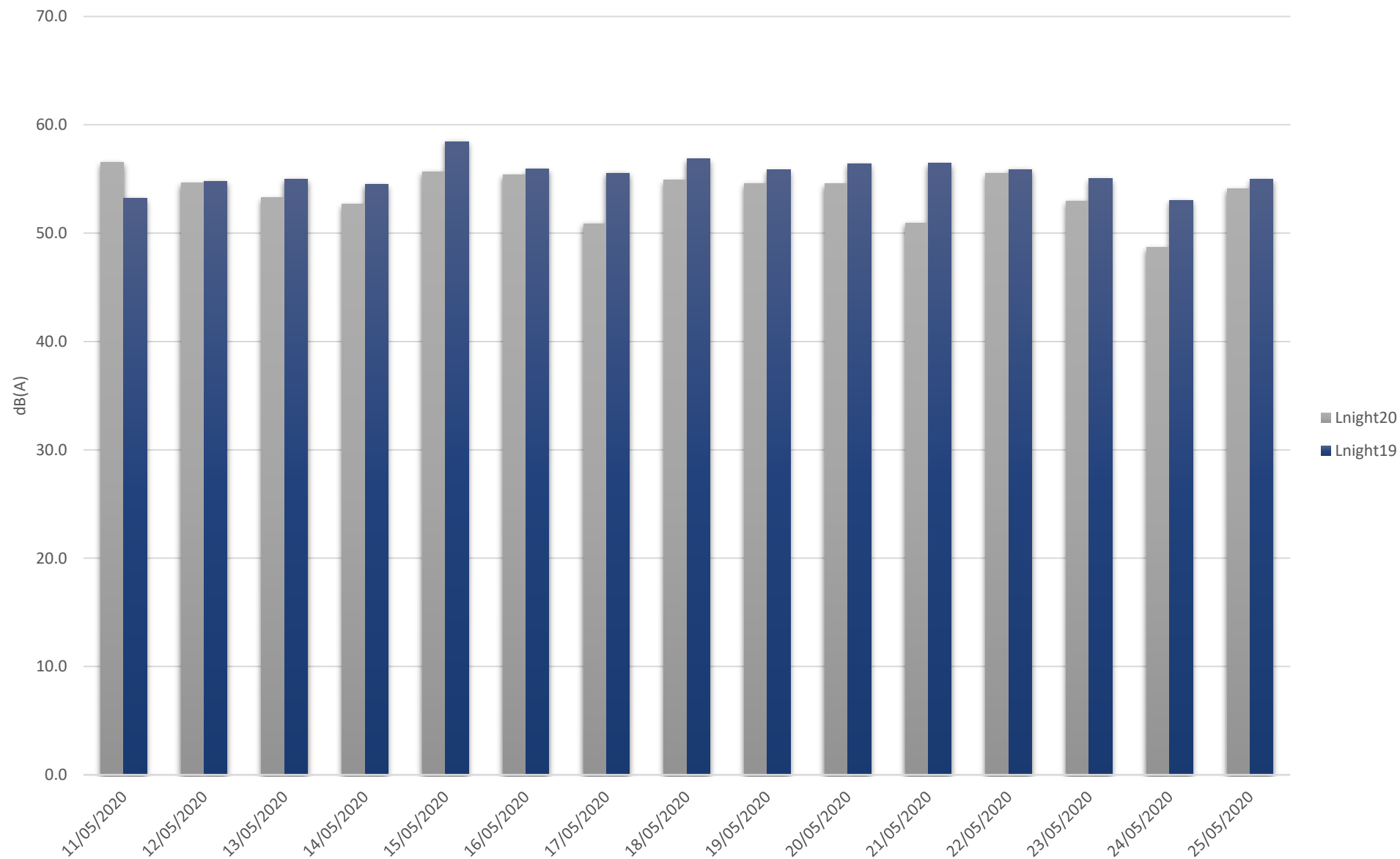
### O319 Corrélation Phase 2 Ind



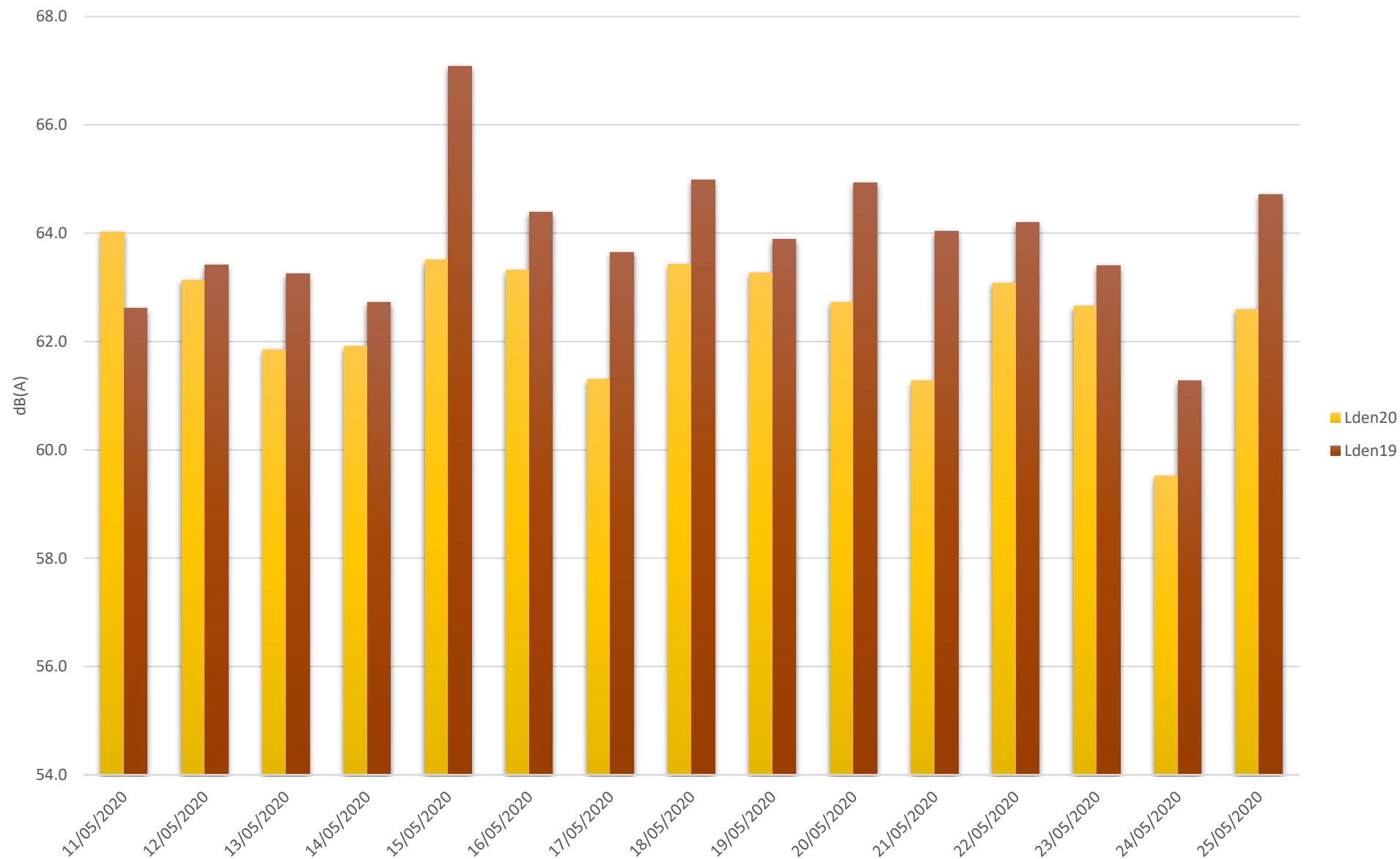
### O319 Corrélation Phase 2 Ind



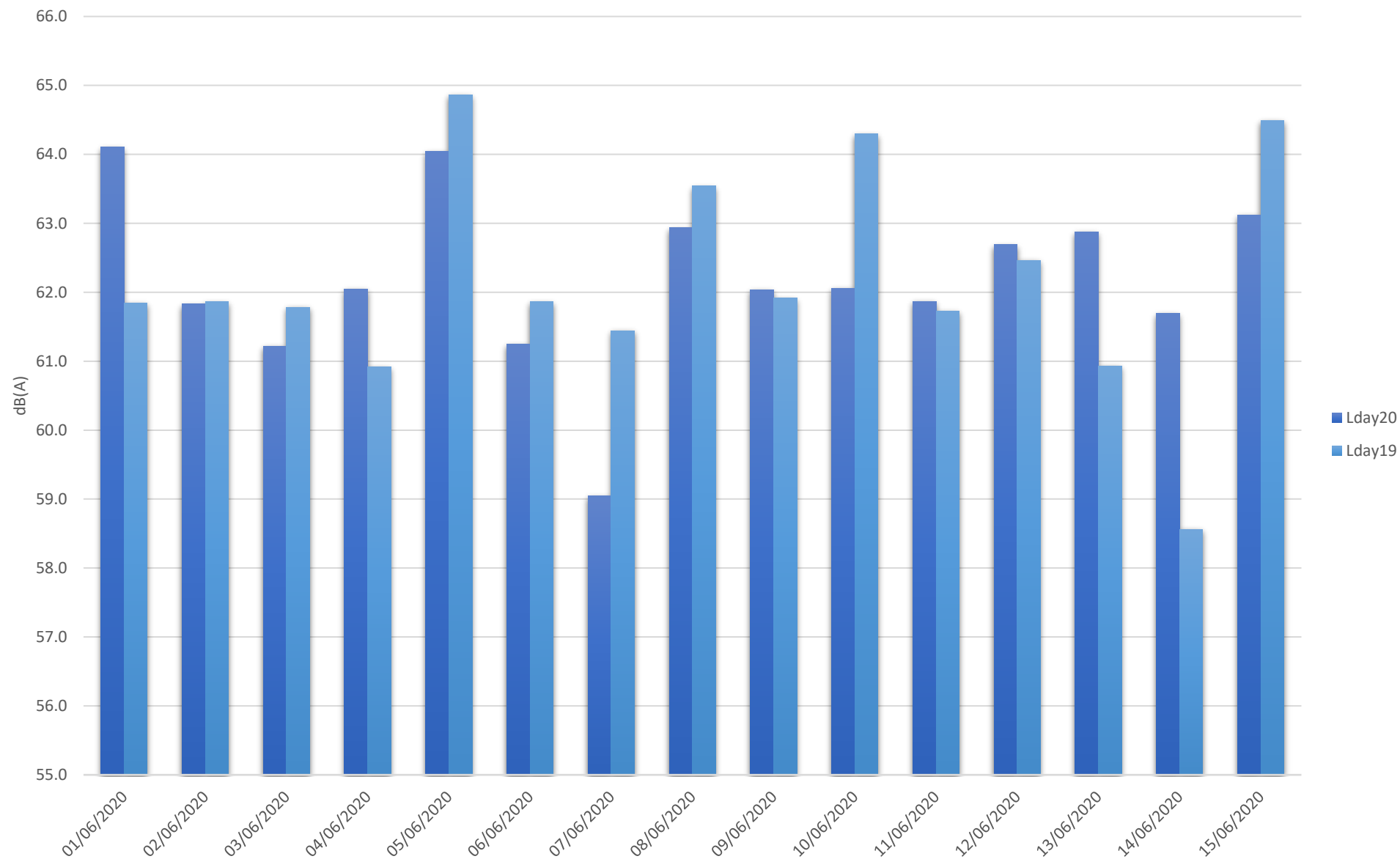
## O319 Corrélation Phase 2 Ind



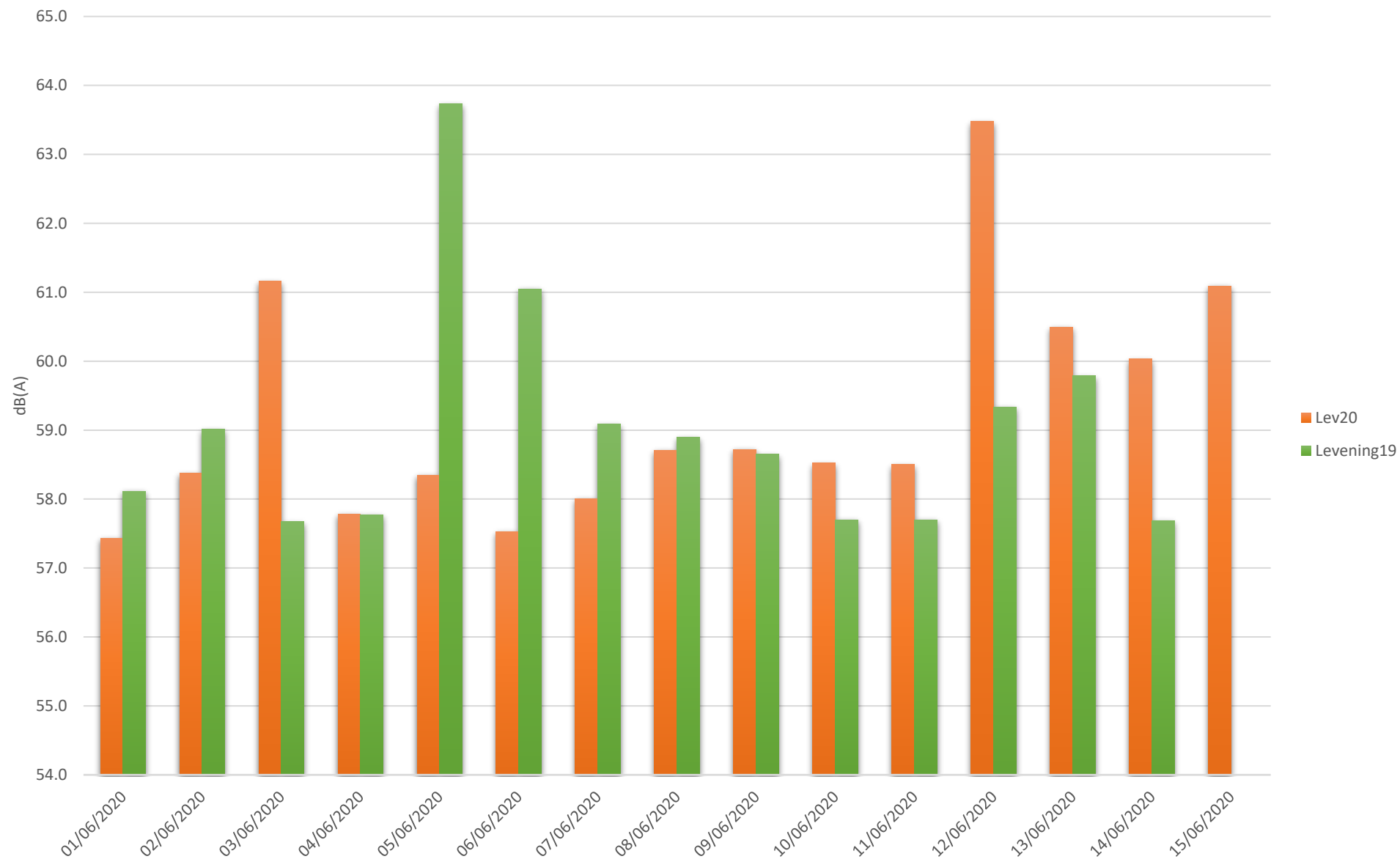
### O319 Corrélation Phase 2 Ind



### O319 Corrélation Phase 3 Ind

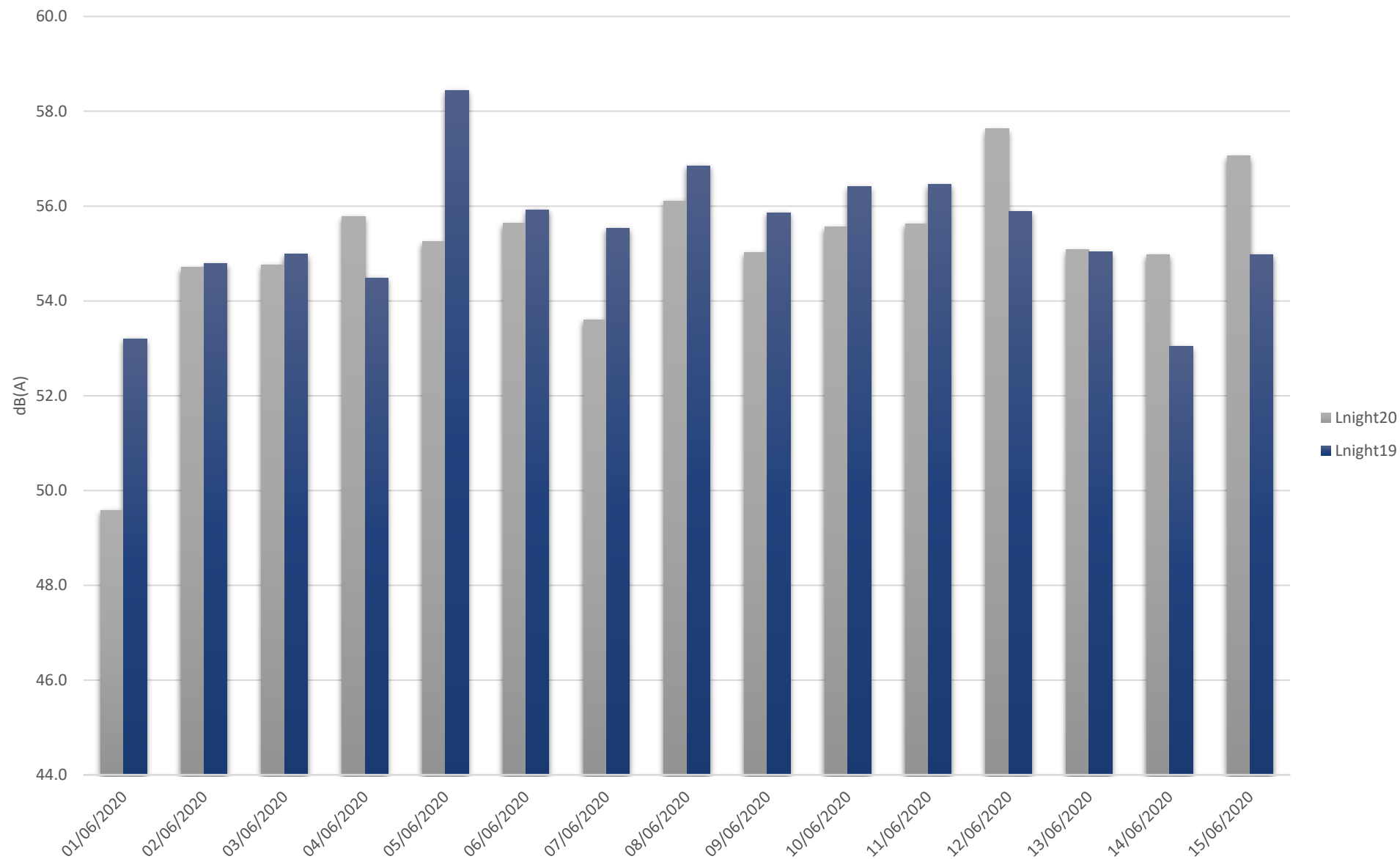


### O319 Corrélation Phase 3 Ind

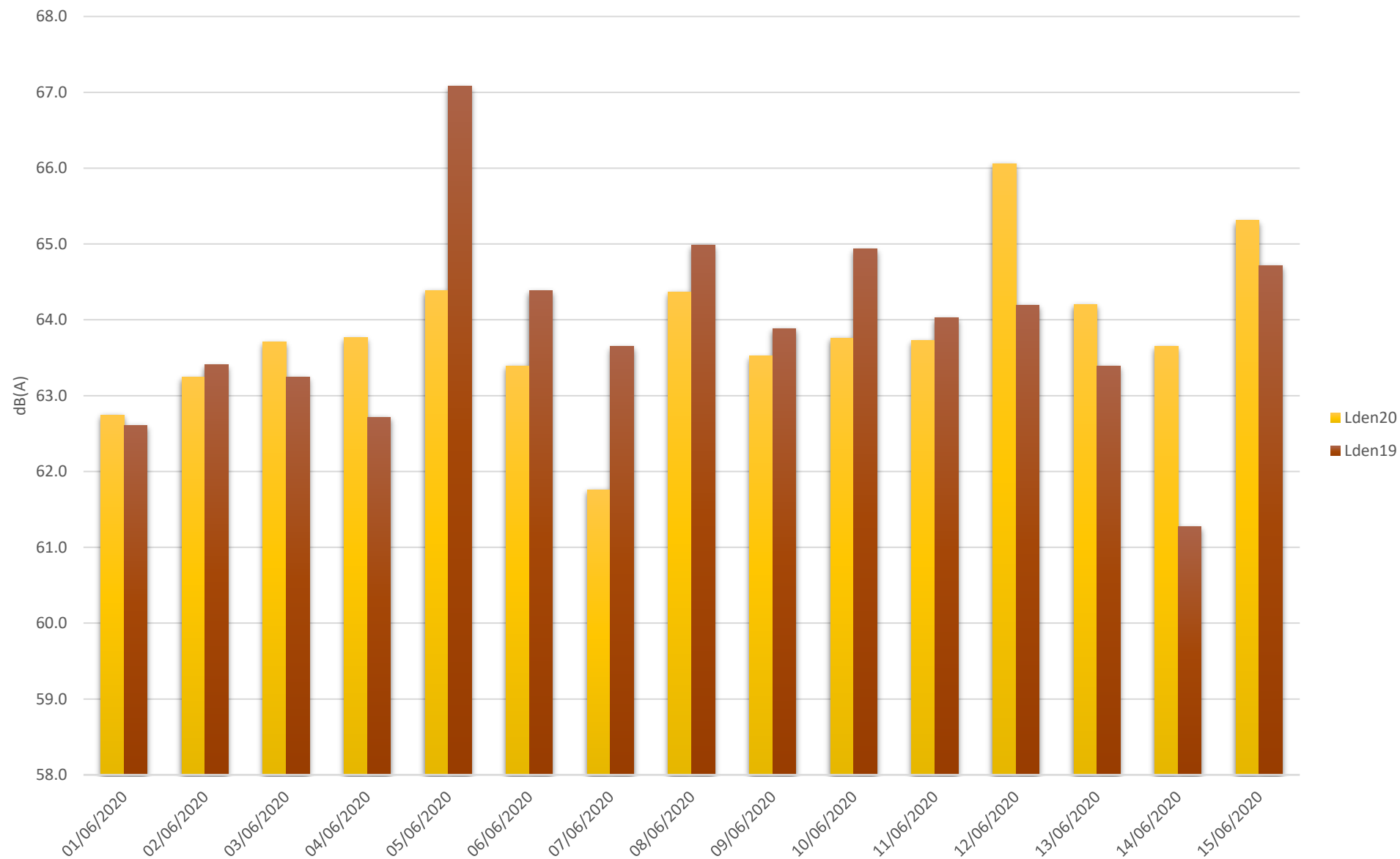





### O319 Corrélation Phase 3 Ind



### O319 Corrélation Phase 3 Ind

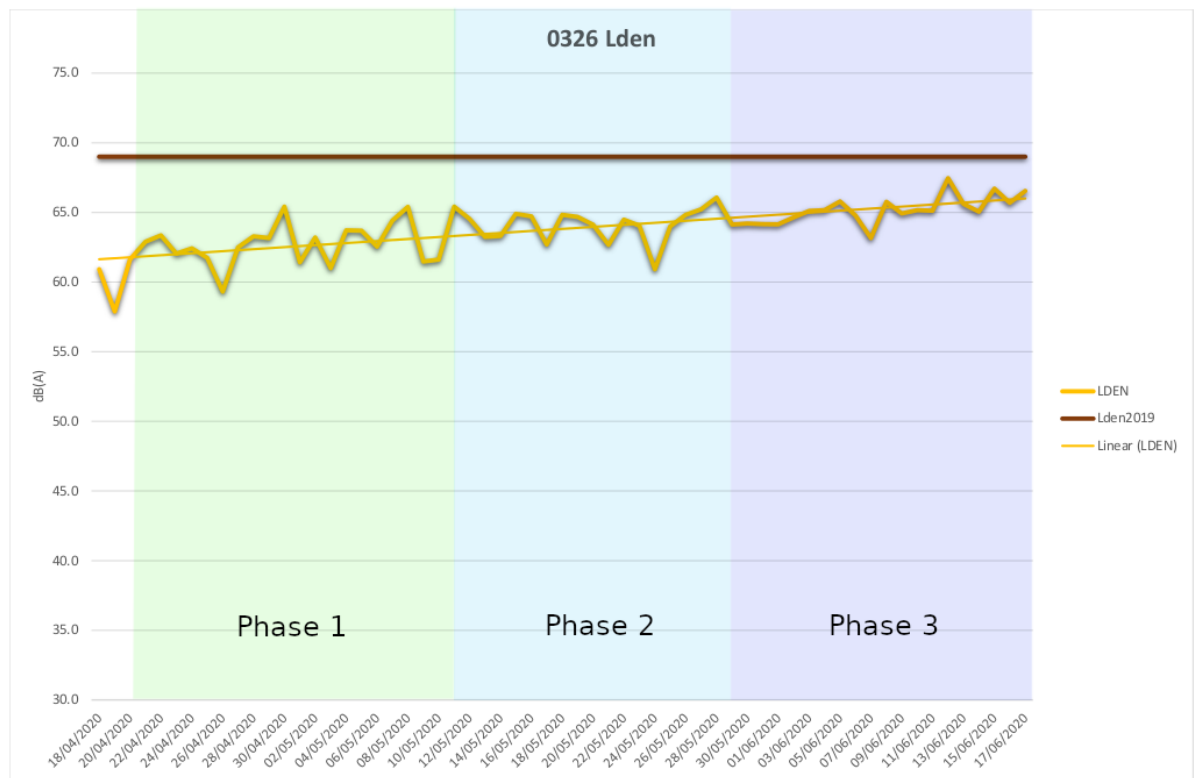
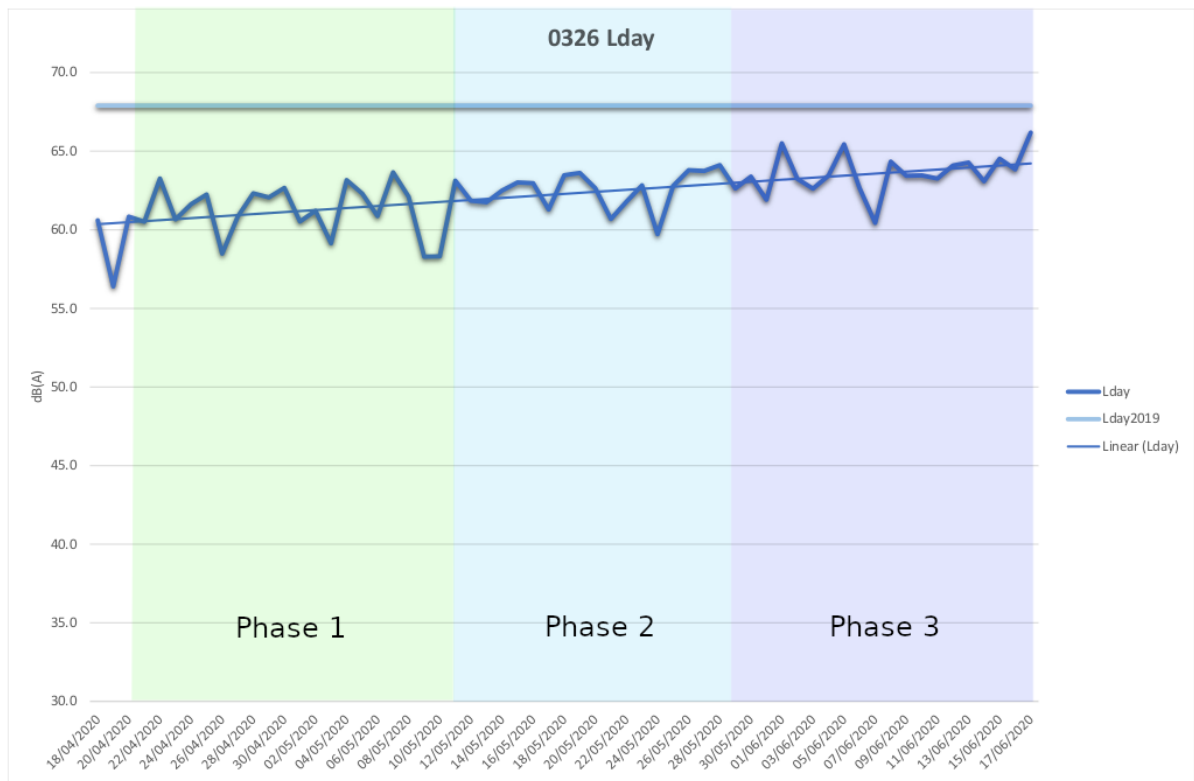


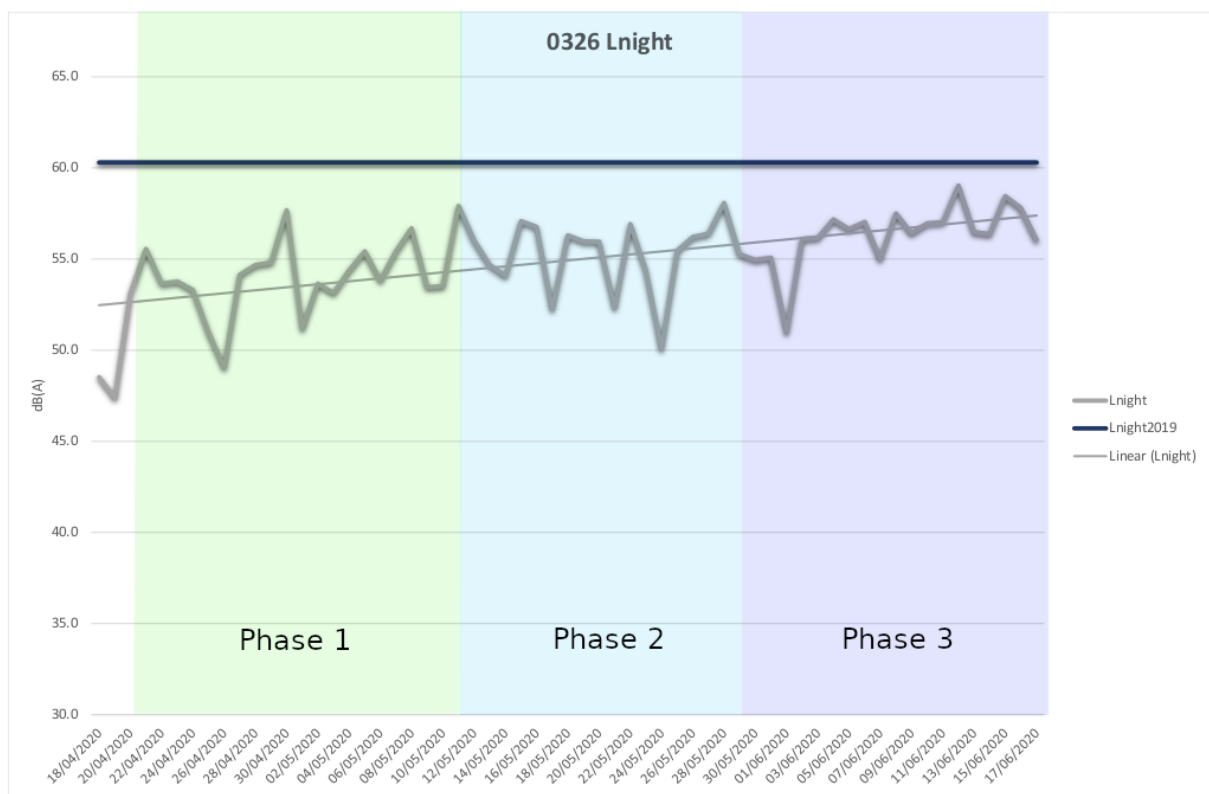
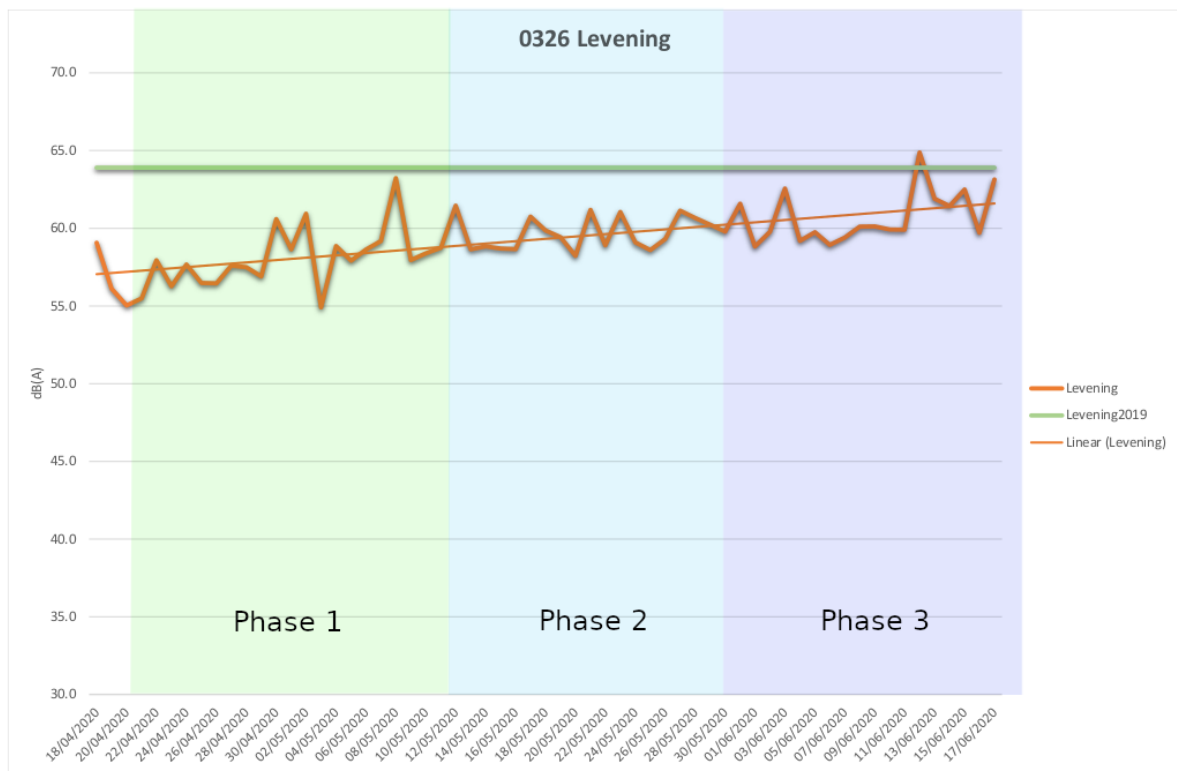
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	1 / 1
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Point ID:	0326 (Mond_035)		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Pontpierre		
Address:	rue de Luxembourg 2		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	69783 E	66848 N	283.7
<b>Measurements</b>			
Start:	17/04/20 17:20		
Finish:	18/06/20 15:00		
<b>Point description</b>			
Microphone height:	4.0		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

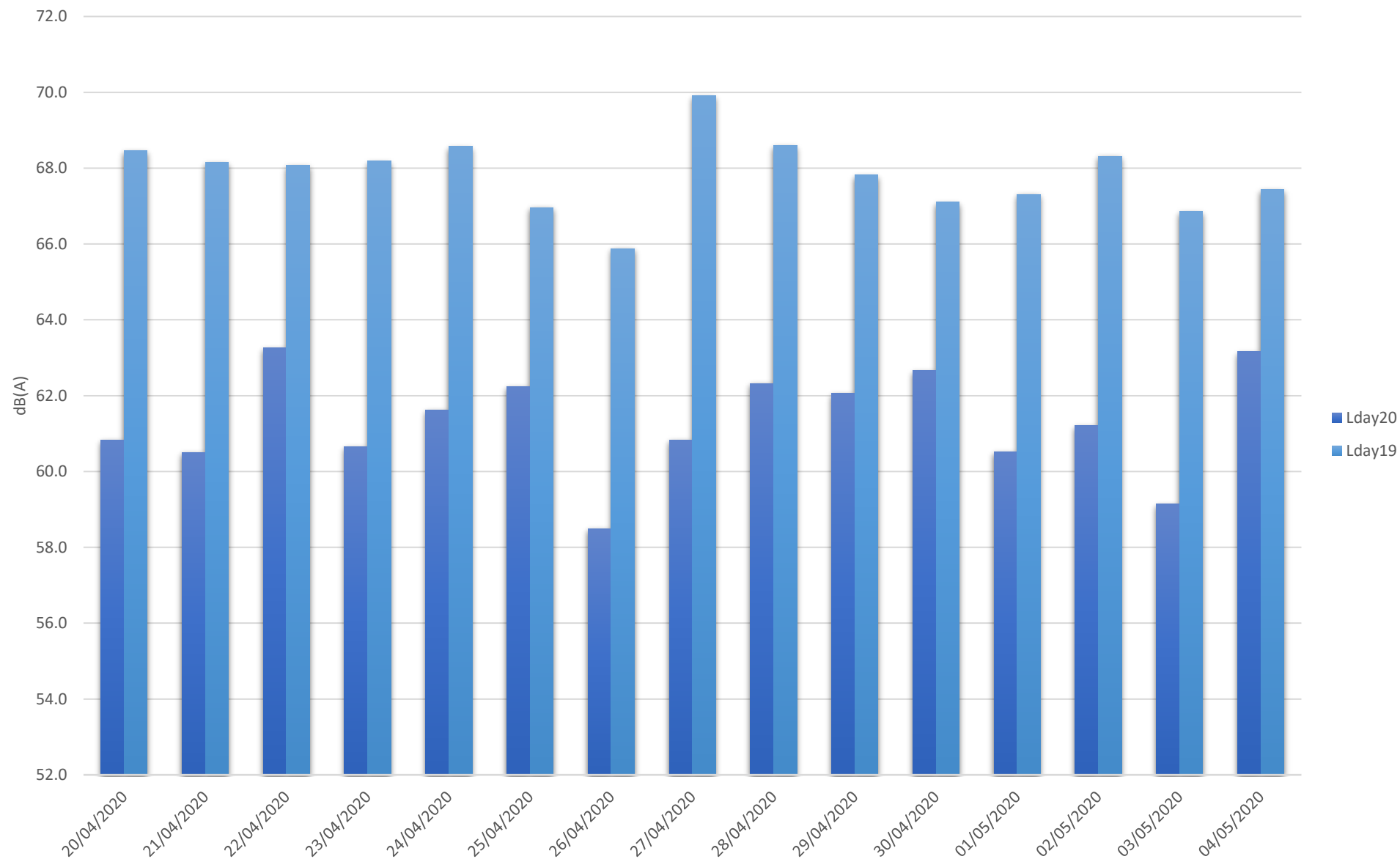
IP0326 UTC+02:00																																	
		Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi
		20/04/2020	21/04/2020	22/04/2020	23/04/2020	24/04/2020	25/04/2020	26/04/2020	27/04/2020	28/04/2020	29/04/2020	30/04/2020	01/05/2020	02/05/2020	03/05/2020	04/05/2020	05/05/2020	06/05/2020	07/05/2020	08/05/2020	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020	18/05/2020	19/05/2020	20/05/2020	21/05/2020
Heure																																	
0-1		53.8	47.8	50.1	52.8	47.9	43.1	43.9	40.5	54.5	42.9	45.6	53.5	49.7	49.9	50.8	48.9	44.8	49.0	60.5	53.1	47.0	52.4	54.4	51.4	53.2	48.1	49.7	52.3	45.8	46.9	50.5	51.5
1-2		39.1	41.9	50.3	43.1	47.2	42.5	46.8	46.0	42.5	41.3	41.4	43.9	51.6	40.1	41.5	53.3	50.1	51.3	42.2	43.7	48.8	41.6	50.6	50.8	40.8	49.7	55.5	53.8	59.1	49.1	47.1	48.6
2-3		41.6	41.3	41.5	47.1	46.5	39.4	40.8	43.2	41.1	38.1	52.2	43.4	42.5	41.4	39.7	50.9	40.7	47.4	40.2	41.9	46.4	50.8	42.8	40.6	39.9	39.9	43.6	46.1	39.6	58.6	40.3	48.7
3-4		40.7	42.6	40.9	39.7	45.1	41.2	40.7	41.2	40.0	50.5	47.1	45.8	42.7	47.8	41.5	47.4	44.0	44.9	43.8	53.7	44.5	43.5	53.2	49.4	39.9	47.9	41.4	48.7	39.9	48.9	45.4	44.2
4-5		51.0	46.4	43.7	46.9	45.0	47.9	41.9	49.0	46.7	44.8	55.9	50.2	51.4	45.1	42.6	49.3	49.7	49.1	52.7	54.3	44.4	47.6	48.7	45.7	44.8	54.5	48.8	50.5	44.3	45.8	49.4	45.0
5-6		55.3	51.6	55.8	54.9	53.5	54.9	54.1	52.1	55.5	58.4	58.7	53.6	51.2	61.3	55.4	53.7	56.0	57.8	55.6	53.7	53.0	60.4	56.3	56.2	52.2	56.7	58.0	55.2	55.5	56.4	56.5	51.8
6-7		59.1	63.8	60.4	60.4	60.8	55.2	50.2	62.2	61.1	60.8	64.8	54.6	56.6	47.9	61.6	61.9	60.0	61.6	62.3	57.7	61.1	65.0	63.0	60.9	61.1	63.5	58.0	51.5	62.5	62.2	63.3	51.5
7-8		60.0	59.6	63.5	59.6	61.7	58.2	51.4	59.9	60.5	60.7	62.8	51.6	52.9	51.9	63.3	61.2	61.4	61.1	61.4	52.3	56.3	64.6	62.8	60.9	62.3	64.3	60.3	57.3	67.2	63.4	64.1	49.6
8-9		58.0	59.6	69.5	61.5	59.4	61.4	54.4	60.0	61.7	59.5	61.9	56.9	57.5	52.8	60.4	61.4	59.9	60.3	60.4	59.9	54.8	62.9	59.7	60.7	62.9	60.8	62.8	54.3	62.4	62.4	62.3	57.0
9-10		60.3	60.8	61.3	58.0	61.0	58.5	52.7	62.5	62.1	61.8	61.9	60.2	58.6	59.1	61.3	60.4	60.7	60.2	60.3	60.1	57.2	61.4	62.5	61.2	64.0	63.6	62.2	59.0	62.6	64.0	62.9	58.9
10-11		59.9	62.7	61.5	60.1	59.1	59.0	62.5	59.6	63.8	59.7	60.5	63.3	61.9	56.6	61.7	60.7	60.1	68.2	61.0	60.3	55.7	63.8	60.8	60.4	64.5	62.1	63.3	61.6	63.3	61.7	61.2	61.2
11-12		65.0	60.3	59.3	60.0	61.3	61.7	55.5	60.0	63.1	63.7	61.2	59.6	61.6	60.2	62.1	61.7	59.7	60.2	62.8	56.8	56.7	62.8	61.6	62.4	59.3	62.0	66.2	59.5	63.4	60.9	60.9	60.3
12-13		61.2	59.6	60.7	60.9	61.2	58.9	60.0	61.2	62.7	64.3	59.7	58.1	61.6	57.6	69.7	61.3	58.8	61.7	66.1	59.0	55.4	64.4	63.6	62.3	63.0	63.5	65.2	64.5	64.6	66.7	63.7	61.5
13-14		59.6	59.8	59.4	60.5	61.7	60.7	56.7	59.5	62.5	62.9	59.8	63.1	62.7	60.1	59.3	60.6	61.1	65.1	61.1	60.2	56.9	64.4	63.5	62.5	63.1	63.7	60.7	60.5	63.9	61.1	59.8	59.2
14-15		61.8	59.3	63.9	61.1	60.6	63.8	58.2	59.9	64.5	62.2	63.2	61.0	64.3	58.8	63.2	67.0	60.4	58.0	60.8	53.6	64.0	62.4	61.9	61.1	60.9	62.6	63.3	61.9	62.9	66.6	62.5	64.1
15-16		60.5	60.6	60.2	64.7	64.0	55.7	60.7	65.0	61.2	63.5	65.4	59.3	64.0	63.4	61.0	60.8	60.6	62.0	61.0	57.1	54.1	62.2	61.1	61.0	60.7	63.1	62.1	62.6	61.9	63.3	61.1	58.8
16-17		60.2	63.3	58.6	60.8	62.4	69.3	56.4	61.1	61.8	61.9	66.2	63.9	59.1	58.0	63.0	61.5	62.5	68.4	62.7	57.8	55.3	63.3	61.5	61.8	63.0	62.9	62.3	62.7	62.4	62.2	64.3	59.9
17-18		59.3	60.1	65.2	57.2	62.9	58.9	55.8	58.6	61.3	60.7	63.0	59.6	60.6	62.1	61.2	64.7	61.1	61.5	63.2	55.9	59.2	62.4	60.5	62.2	62.6	63.0	61.6	62.8	61.4	63.9	64.3	64.0
18-19		59.8	57.0	60.1	58.4	61.9	60.4	62.0	57.5	60.7	60.3	60.6	58.2	59.3	58.5	59.2	58.3	62.7	61.2	59.7	58.9	61.0	61.2	60.9	63.5	61.1	63.5	61.7	60.8	62.0	62.3	61.8	61.0
19-20		55.8	55.6	59.2	57.6	58.2	57.7	57.5	57.3	55.6	56.7	57.3	61.6	60.4	57.0	58.6	58.6	59.5	60.2	58.1	58.6	60.0	58.8	57.8	61.6	61.7	60.2	57.6	59.5	60.5	59.3	59.6	59.9
20-21		56.2	56.4	57.7	57.0	59.7	58.2	56.9	58.4	59.5	57.2	58.5	57.3	64.7	55.9	60.2	56.7	57.6	59.8	68.4	57.7	59.3	61.3	66.1	59.6	59.1	58.8	58.9	61.4	62.5	62.1	59.0	62.8
21-22		54.5	54.0	59.7	56.6	57.2	52.5	55.3	56.0	59.4	56.3	60.7	57.2	56.4	54.3	58.8	59.2	57.3	59.7	57.8	56.2	57.1	58.4	56.8	56.5	55.0	58.2	60.2	62.7	59.2	58.3	58.1	59.2
22-23		53.0	55.6	51.8	52.1	53.7	55.5	55.8	58.2	50.4	57.3	63.4	56.4	56.9	49.1	57.4	56.7	59.7	55.8	52.3	58.9	56.0	52.7	56.4	51.1	56.3	57.0	57.3	58.1	51.9	55.5	55.1	61.8
23-24		49.2	52.0	50.4	52.4	46.9	53.8	52.1	49.1	55.4	55.2	54.0	50.9	59.3	42.5	53.6	56.7	54.3	55.4	54.7	52.9	49.5	55.1	49.5	54.9	55.0	59.3	63.0	53.8	56.0	48.9	54.2	58.6
Σ <sub>Day</sub>		60.8	60.5	63.3	60.7	61.6	62.2	58.5	60.8	62.3	62.1	62.7	60.5	61.2	59.1	63.2	62.3	60.9	63.7	62.1	58.3	58.3	63.1	61.9	61.8	62.5	63.0	63.0	61.3	63.5	63.6	62.6	60.7
Σ <sub>Evening</sub>		55.0	55.5	57.9	56.3	57.7	56.5	57.6	57.5	56.9	60.6	58.6	60.9	54.9	58.9	57.9	58.6	59.2	59.2	63.2	58.0	58.4	58.7	61.5	58.6	58.8	58.7	60.8	59.9	59.4	58.2	61.2	
Σ <sub>Night</sub>		53.1	55.5	53.7	53.8	53.3	51.0	49.0	54.1	54.7	54.8	57.7	51.2	53.6	53.1	54.4	55.4	53.8	55.4	56.7	53.4	53.5	57.9	56.0	54.7	54.1	57.1	56.8	52.3	56.3	56.0	52.3	
I <sub>DEN</sub>		61.6	62.9	63.4	62.0	62.4	61.7	59.3	62.5	63.3	63.2	65.4	61.4	63.2	61.0	63.7	63.7	62.6	64.4	65.4	61.5	61.6	65.4	64.5	63.2	63.3	64.9	64.7	62.7	64.8	64.7	64.1	62.7

Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi				
22/05/2020	23/05/2020	24/05/2020	25/05/2020	26/05/2020	27/05/2020	28/05/2020	29/05/2020	30/05/2020	31/05/2020	01/06/2020	02/06/2020	03/06/2020	04/06/2020	05/06/2020	06/06/2020	07/06/2020	08/06/2020	09/06/2020	10/06/2020	11/06/2020	12/06/2020	13/06/2020	14/06/2020	15/06/2020	16/06/2020	17/06/2020	Heure	Semaine	Weekend	Sem.+Wk
57.4	49.5	52.1	43.1	50.4	51.9	51.9	56.8	58.4	52.4	55.2	47.7	55.0	54.6	54.7	57.6	61.0	53.1	51.9	56.2	55.0	52.4	59.2	60.8	54.1	55.1	52.0	0-1	53.0	55.1	53.8
50.8	50.7	54.1	47.6	43.6	56.3	44.0	49.2	55.7	52.1	50.0	46.9	41.9	56.9	47.5	51.5	50.0	51.0	49.9	41.5	49.2	53.8	56.3	55.1	43.0	45.3	45.6	1-2	50.0	52.1	50.7
43.0	45.5	49.1	39.8	41.6	44.9	46.9	38.7	43.5	50.9	41.7	39.2	41.8	50.7	47.9	44.6	55.6	48.7	39.7	39.9	38.8	49.1	44.7	52.3	55.5	44.0	39.9	2-3	47.6	47.8	47.7
46.9	47.5	42.0	51.2	41.0	42.5	42.6	39.0	50.5	44.2	42.3	52.6	41.7	51.6	38.7	49.0	48.6	42.0	40.1	45.0	42.0	40.7	51.3	55.4	52.9	44.7	39.7	3-4	46.5	48.7	47.3
50.5	48.5	44.2	54.7	44.6	49.4	48.1	46.1	42.6	44.7	44.3	45.7	48.9	55.7	51.5	54.3	47.6	51.9	51.3	45.5	51.3	50.0	50.3	51.1	51.3	53.4	51.8	4-5	50.1	49.1	49.8
57.9	55.0	44.2	57.9	55.4	55.8	57.0	55.4	55.2	55.5	49.0	58.6	59.1	59.1	56.0	56.6	52.8	57.2	59.0	56.1	57.7	56.9	55.2	58.8	60.8	58.7	57.2	5-6	56.8	55.5	56.4
62.4	60.0	53.0	61.6	64.0	63.1	62.4	61.6	57.5	51.6	48.9	62.4	62.2	62.2	62.3	61.2	51.8	64.6	62.9	63.7	63.6	62.7	61.3	47.5	65.0	65.0	63.1	6-7	62.4	56.9	61.3
60.8	59.4	53.3	63.8	63.9	64.2	64.0	62.7	59.1	62.7	52.1	63.3	64.4	63.4	65.4	62.1	57.0	66.9	63.9	63.2	64.4	63.7	60.7	58.1	65.4	63.6	64.6	7-8	63.1	58.2	62.1
61.4	62.5	56.4	63.8	64.0	63.9	63.0	62.5	61.2	55.9	55.5	62.5	61.6	61.8	62.7	61.3	56.3	63.1	61.4	64.0	62.9	63.8	60.5	57.3	66.2	62.7	62.7	8-9	62.4	58.8	61.6
59.9	63.3	59.3	62.2	61.8	63.0	63.0	61.9	62.3	56.1	56.9	62.3	60.5	61.9	62.7	62.5	61.2	63.6	61.3	62.5	63.1	64.0	63.8	61.3	64.2	60.8	61.2	9-10	61.9	60.2	61.4
60.3	65.8	60.5	62.5	66.7	64.0	64.5	62.1	66.0	60.0	57.6	63.0	64.9	63.9	63.8	61.2	60.8	61.5	62.1	64.3	62.6	64.1	63.9	68.3	63.5	63.1	63.2	10-11	62.8	62.5	62.7
63.8	63.6	61.4	60.8	61.4	62.3	64.5	62.8	64.1	59.9	59.3	61.2	63.1	64.7	64.1	64.1	61.7	63.6	62.7	63.4	63.2	62.2	65.1	64.0	64.5	61.3	62.3	11-12	62.3	62.5	62.3
62.6	62.7	61.4	60.7	61.8	64.0	65.8	61.7	64.1	61.0	74.9	62.9	62.4	61.5	62.5	62.3	64.5	62.9	62.8	61.8	61.7	67.6	63.4	63.8	63.9	68.8	66.1	12-13	64.8	62.3	64.2
61.1	62.3	58.4	64.7	64.1	64.9	64.6	63.1	62.4	69.4	61.5	65.7	61.4	63.9	67.9	62.7	59.7	66.9	61.6	63.2	63.8	63.8	63.4	61.7	62.7	64.1	66.1	13-14	63.2	62.1	62.9
60.1	62.3	59.0	63.1	62.6	63.6	65.1	63.1	61.6	59.6	64.0	62.5	62.6	63.2	66.2	63.4	59.0	62.5	61.7	63.1	62.8	61.8	64.1	62.5	64.5	63.5	69.9	14-15	63.4	61.7	62.9
61.7	61.9	60.2	61.3	62.7	63.2	62.8	61.2	64.6	59.9	58.1	65.3	62.1	63.3	65.6	62.2	60.5	67.0	68.7	62.3	63.5	63.8	61.9	63.7	62.4	65.4	67.7	15-16	63.0	61.4	62.6
61.9	61.3	60.3	62.8	61.2	62.7	63.5	64.1	61.1	60.0	61.5	61.9	61.2	63.1	67.7	63.1	60.2	62.9	63.0	64.5	64.8	63.0	67.2	61.6	63.5	64.8	67.7	16-17	63.4	62.4	63.1
62.1	61.9	60.9	63.0	64.9	63.1	64.4	63.5	65.6	57.5	64.5	62.5	62.3	64.4	66.1	63.5	58.5	62.9	62.0	64.4	62.8	64.1	66.8	63.2	65.9	62.9	68.3	17-18	63.2	61.7	62.8
63.7	63.8	60.1	63.0	66.1	65.2	62.8	61.9	63.6	57.6	59.4	63.3	62.7	64.7	66.0	62.3	59.8	62.9	62.8	63.8	63.8	64.5	63.7	63.0	64.8	60.7	67.8	18-19	62.6	61.2	62.2
59.9	61.2	60.6	61.4	59.0	62.2	60.2	59.6	61.8	61.5	58.3	60.3	62.7	61.0	60.4	58.5	60.6	61.9	61.3	62.0	61.1	69.0	63.1	63.5	62.5	61.2	64.2	19-20	60.8	60.1	60.6
58.2	62.6	60.5	58.4	60.7	61.8	63.7	60.4	59.4	62.1	60.3	58.9	62.0	58.9	60.6	60.7	58.9	60.5	62.0	60.6	59.0	62.7	62.3	61.6	63.1	60.1	64.5	20-21	61.1	60.4	60.9
60.5	61.0	57.8	57.4	58.8	61.3	57.8	61.7	58.6	63.6	59.3	58.7	63.6	59.0	58.9	59.2	59.9	60.0	55.8	56.3	60.7	61.5	57.6	60.5	62.5	59.1	62.1	21-22	59.1	59.1	59.1
55.6	58.5	55.7	54.2	58.2	58.2	58.1	58.6	57.0	56.1	56.7	60.8	61.7	56.9	58.9	56.0	57.7	56.4	59.0	58.9	58.2	60.2	62.8	58.6	61.9	57.8	60.6	22-23	57.9	57.8	57.8
58.7	57.1	46.4	53.5	54.6	55.1	64.1	54.5	55.9	61.9	55.5	56.7	56.0	54.9	60.2	60.7	55.3	57.0	55.3	58.6	57.7	65.4	55.4	56.7	54.3	54.9	54.7	23-24	56.7	56.9	56.8
61.8	62.8	59.7	62.8	63.8	63.7	64.1	62.6	63.4	61.9	65.5	63.2	62.6	63.4	65.4	62.6	60.4	64.3	63.4	63.5	63.3	64.1	64.3	63.1	64.5	63.8	66.2	Z <sub>Day</sub>	63.1	61.4	62.6
58.9	61.0	59.1	58.6	59.3	61.1	60.7	60.2	59.8	61.6	58.8	59.8	62.6	59.2	59.7	58.9	59.4	60.1	60.1	59.9	59.9	64.9	61.9	61.4	62.5	59.7	63.1	Z <sub>Evening</sub>	59.9	59.5	59.8
56.9	54.4	50.1	55.5	56.2	56.4	58.1	55.3	55.0	55.1	51.0	56.1	56.2	57.2	56.6	57.0	55.0	57.5	56.4	57.0	57.0	59.0	56.5	56.4	58.5	57.8	56.1	Z <sub>Night</sub>	56.0	54.0	55.5
64.5	64.0	60.9	64.0	64.8	65.2	66.1	64.1	64.2	64.2	64.1	64.6	65.1	65.2	65.8	64.8	63.2	65.8	64.9	65.2	65.1	67.5	65.6	65.0	66.7	65.7	66.5	L <sub>GEN</sub>	64.5	63.0	64.2



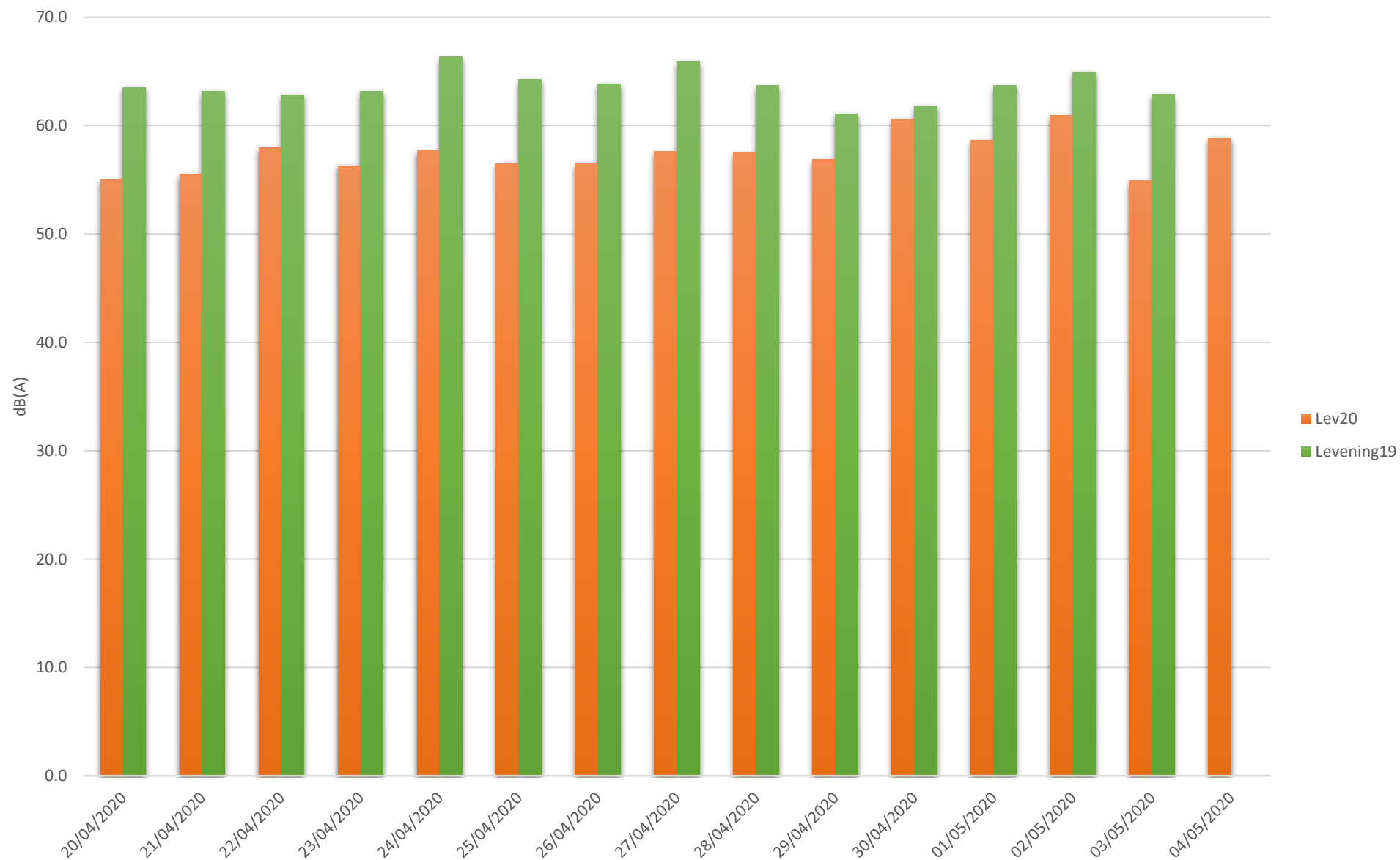


### O326 Corrélation Phase 1 Ind

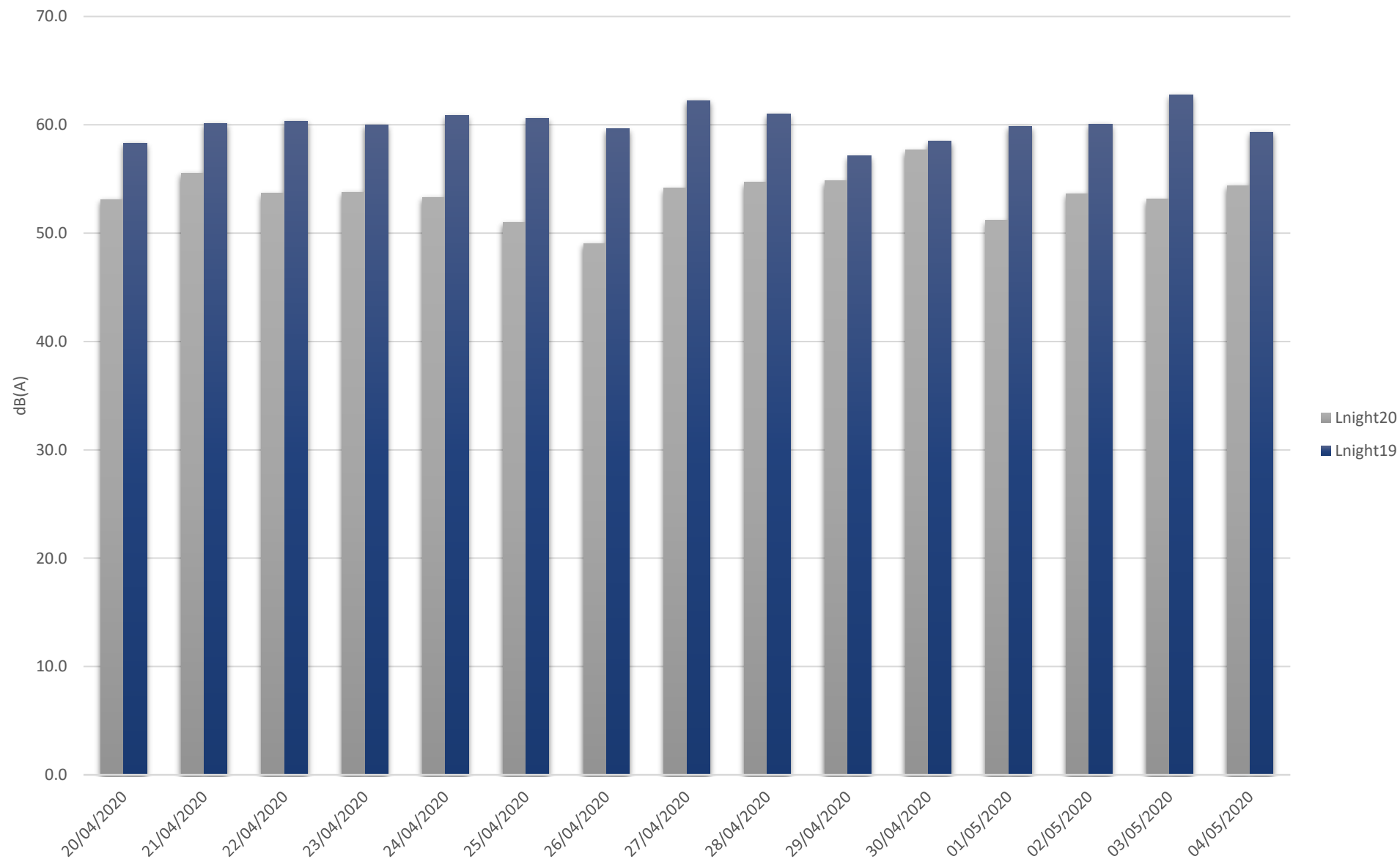




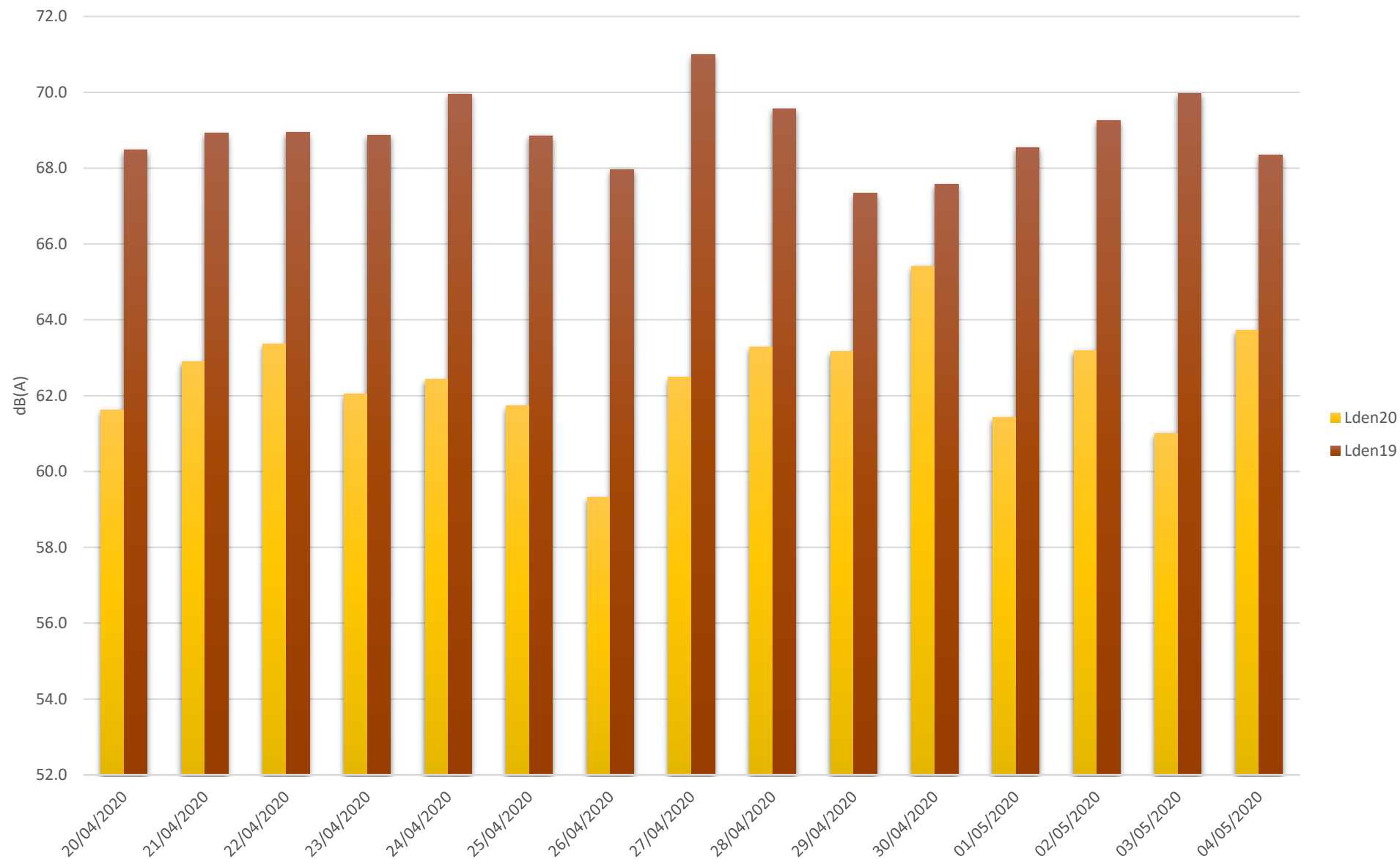
### O326 Corrélation Phase 1 Ind



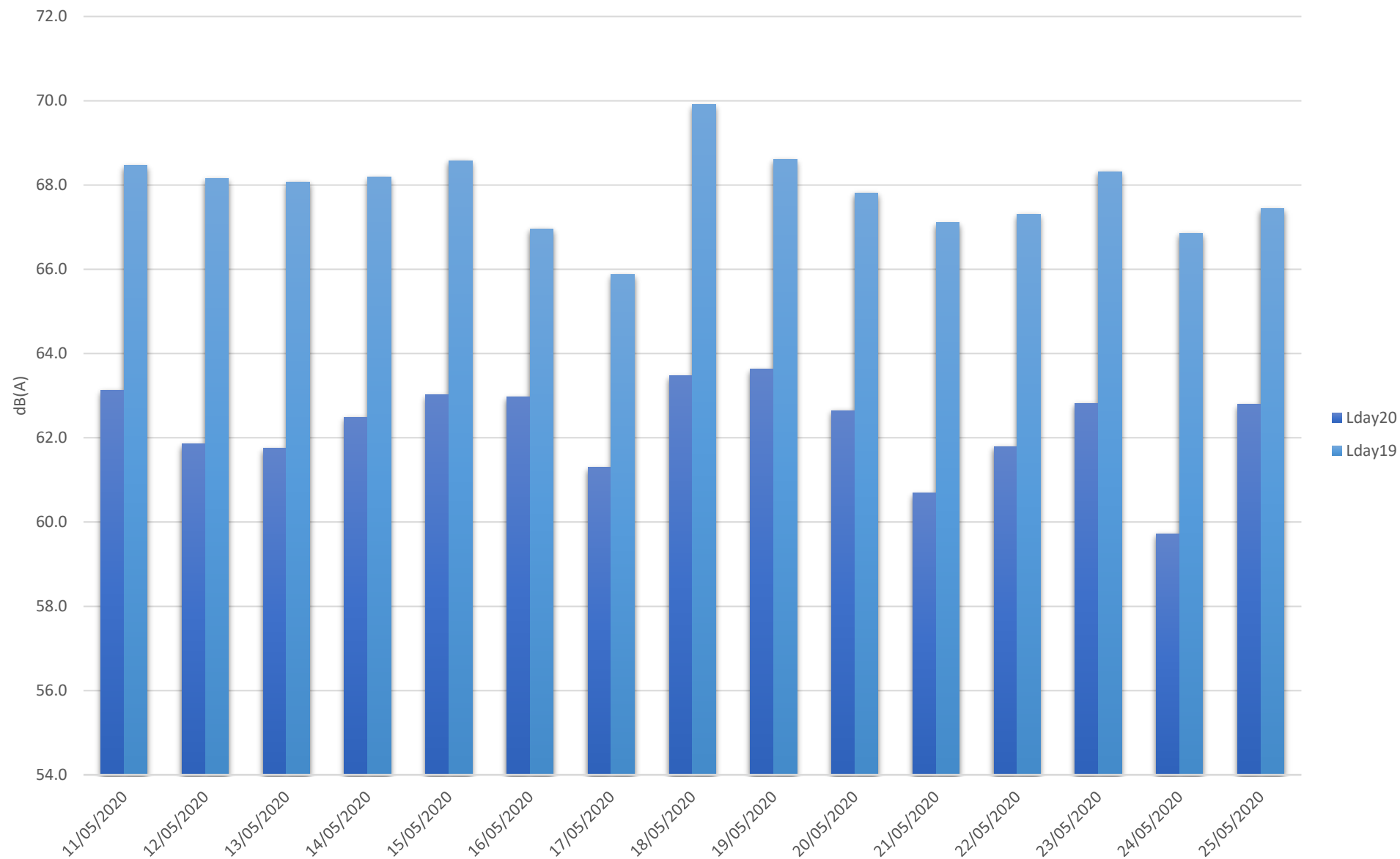
### O326 Corrélation Phase 1 Ind



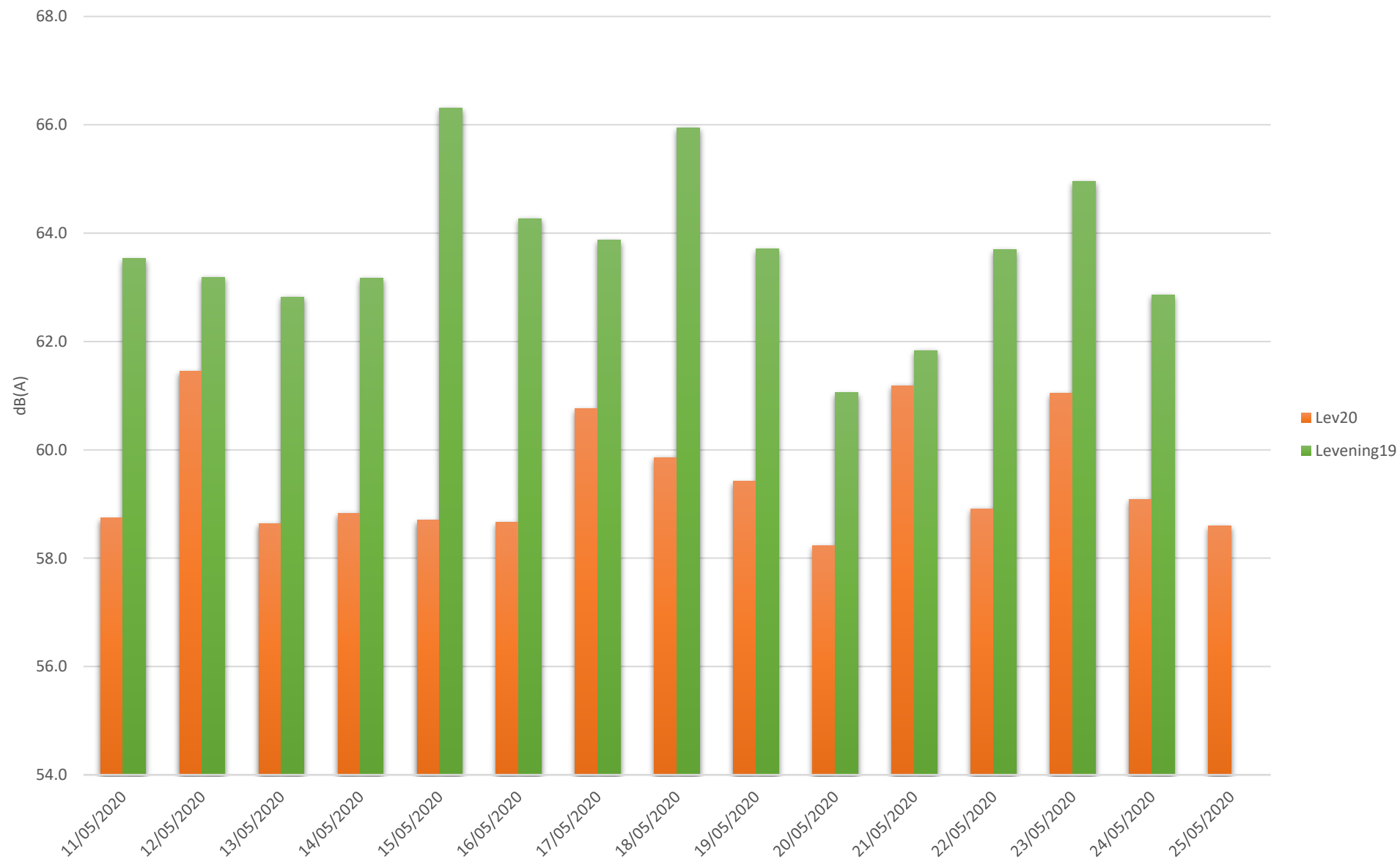
### O326 Corrélation Phase 1 Ind



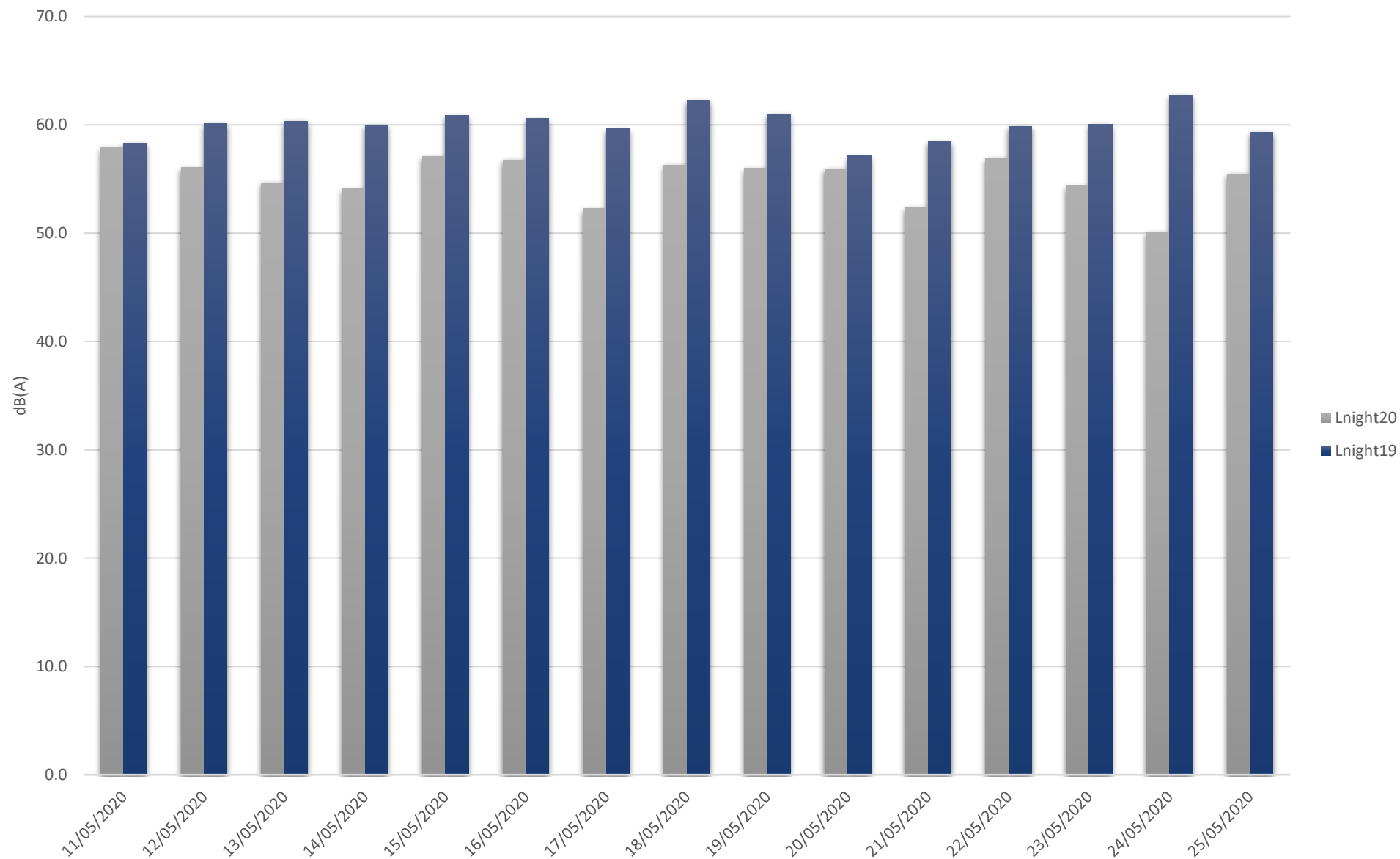
### O326 Corrélation Phase 2 Ind



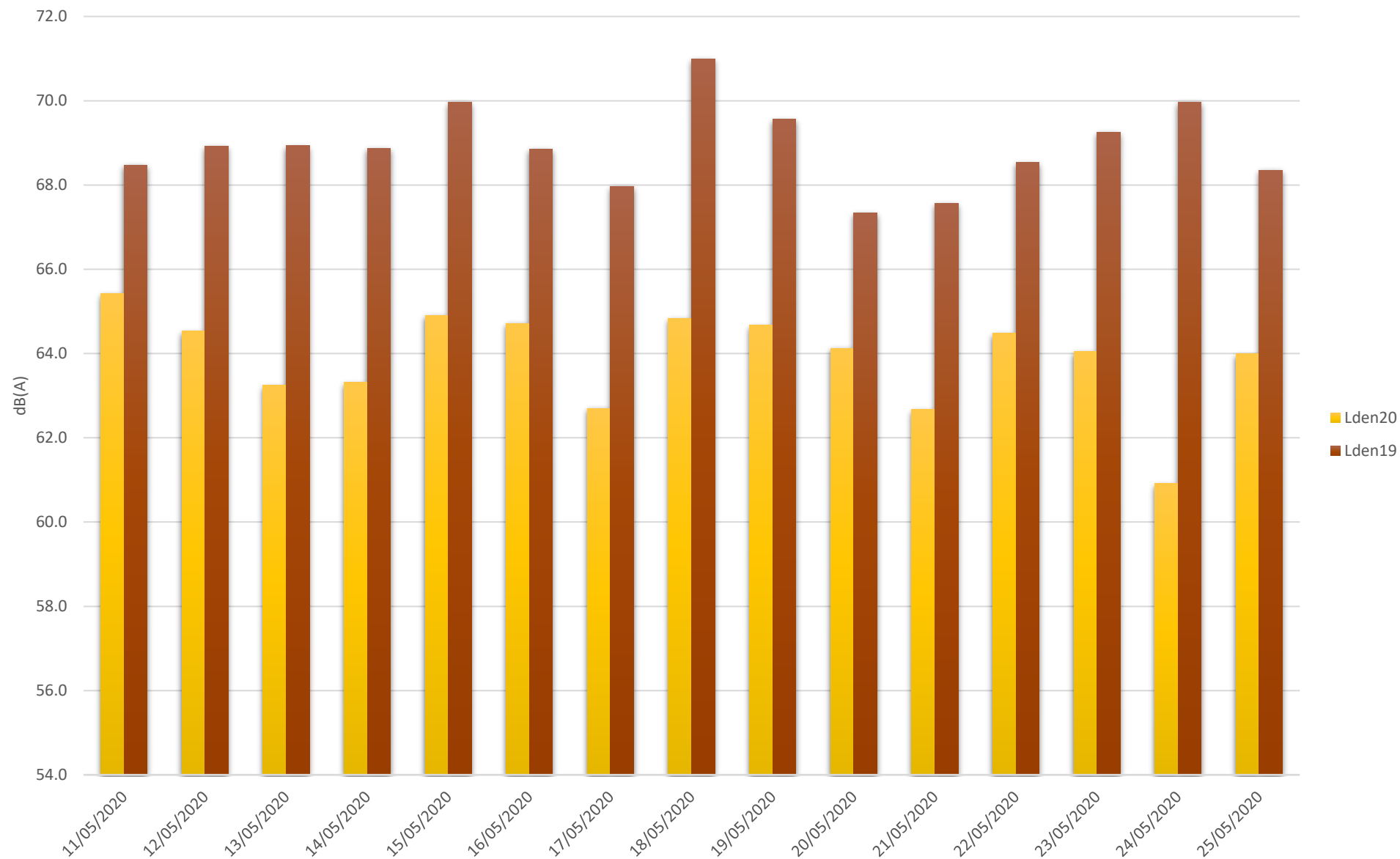
## O326 Corrélation Phase 2 Ind



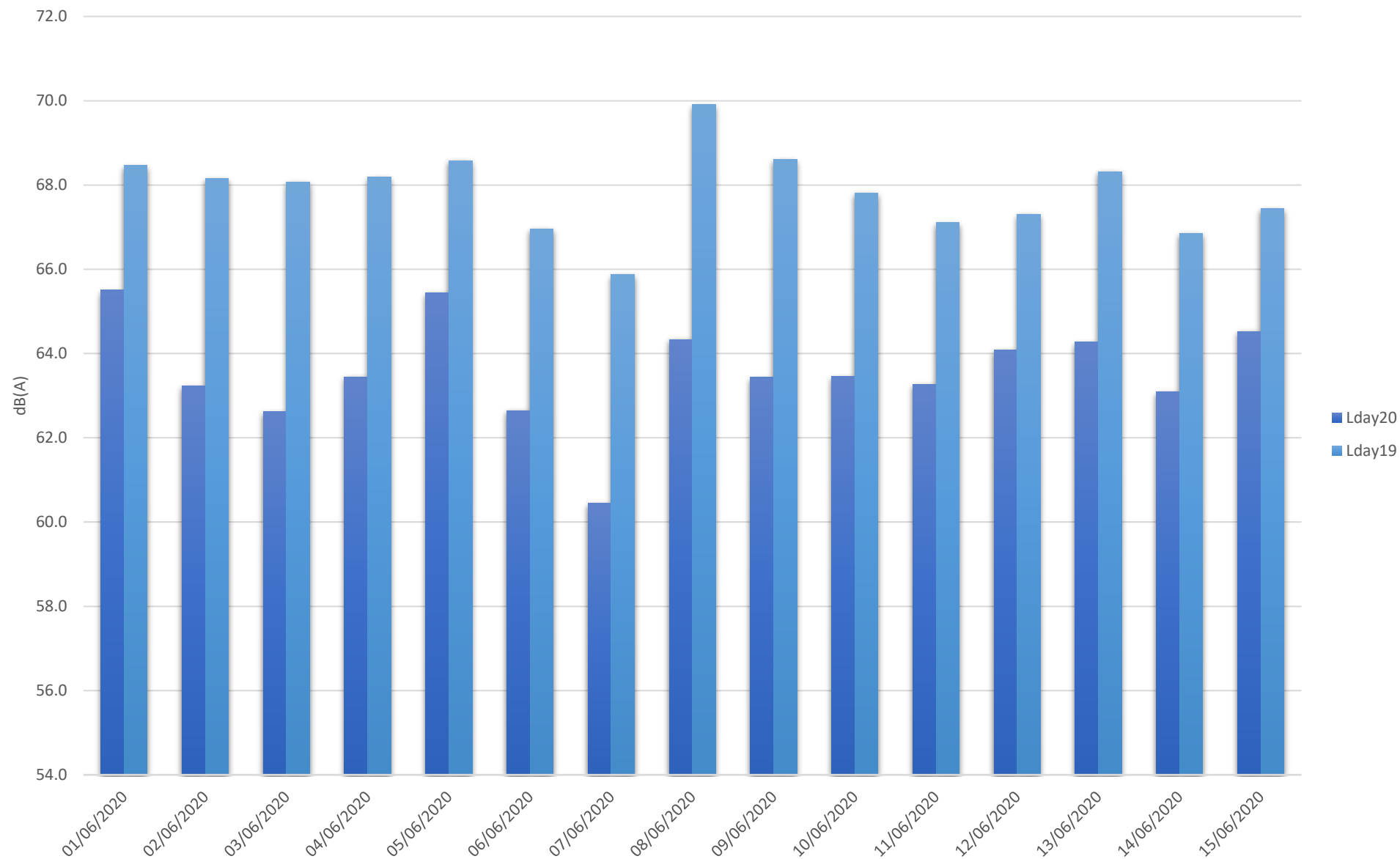
### O326 Corrélation Phase 2 Ind



## O326 Corrélation Phase 2 Ind

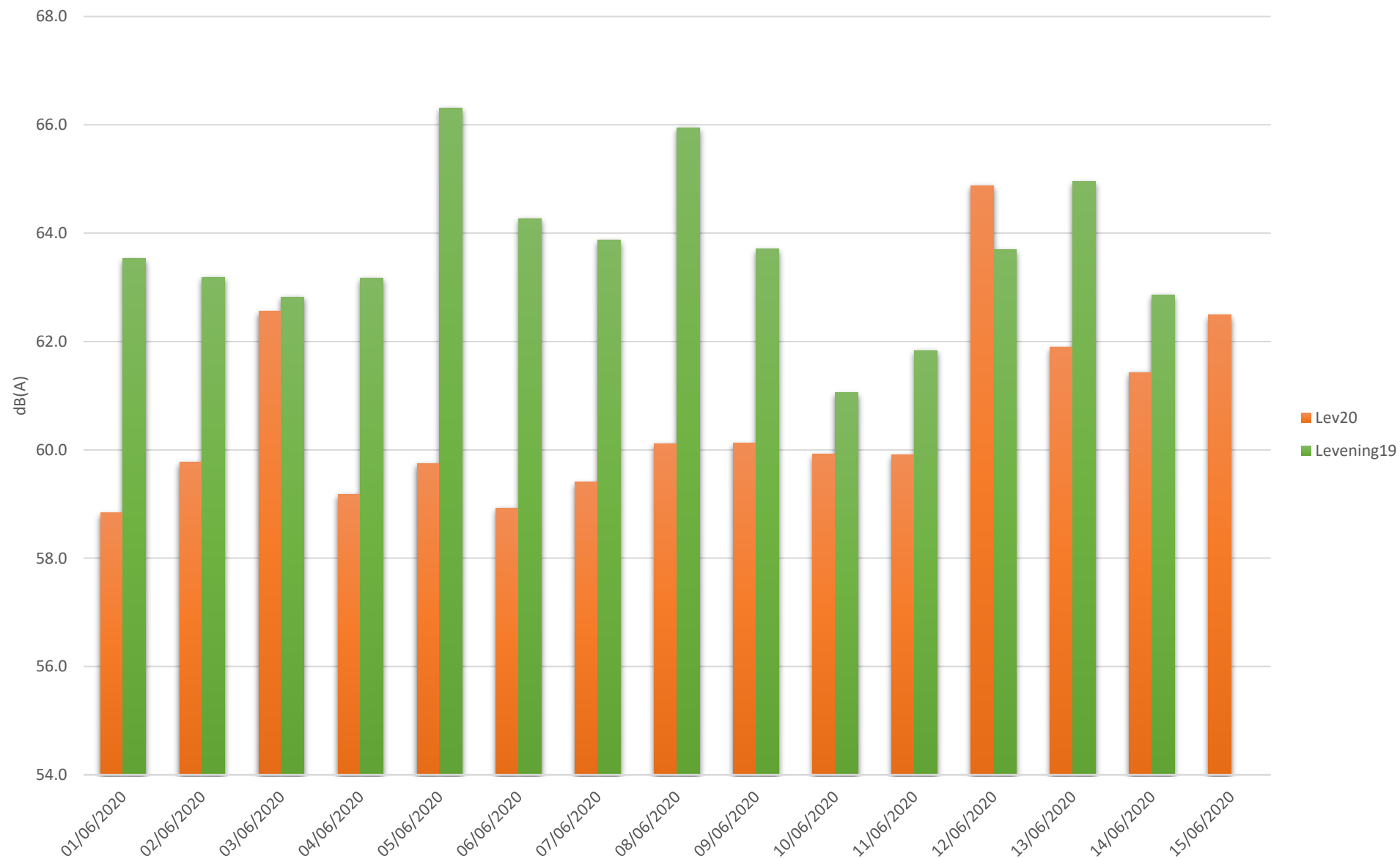


### O326 Corrélation Phase 3 Ind

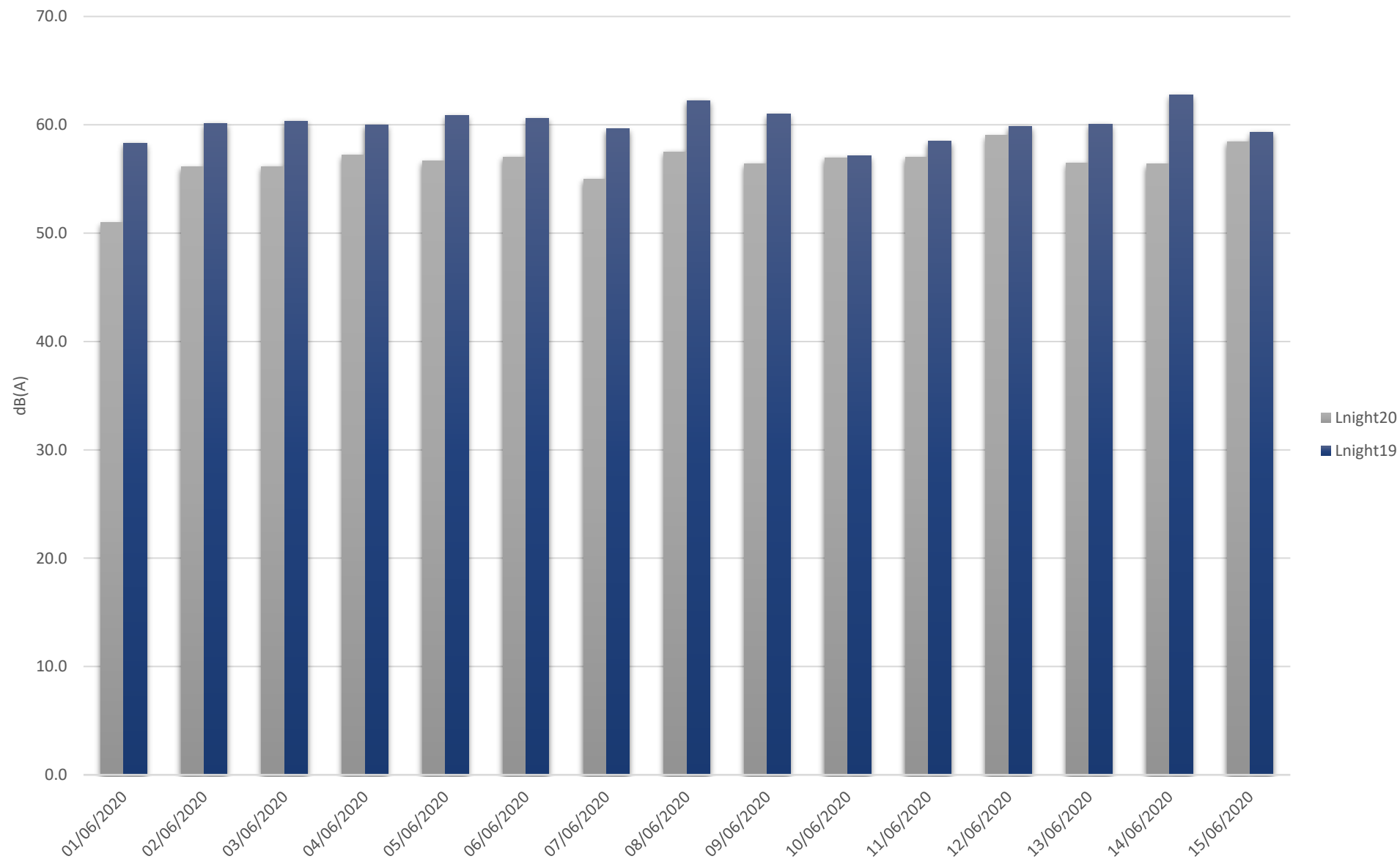




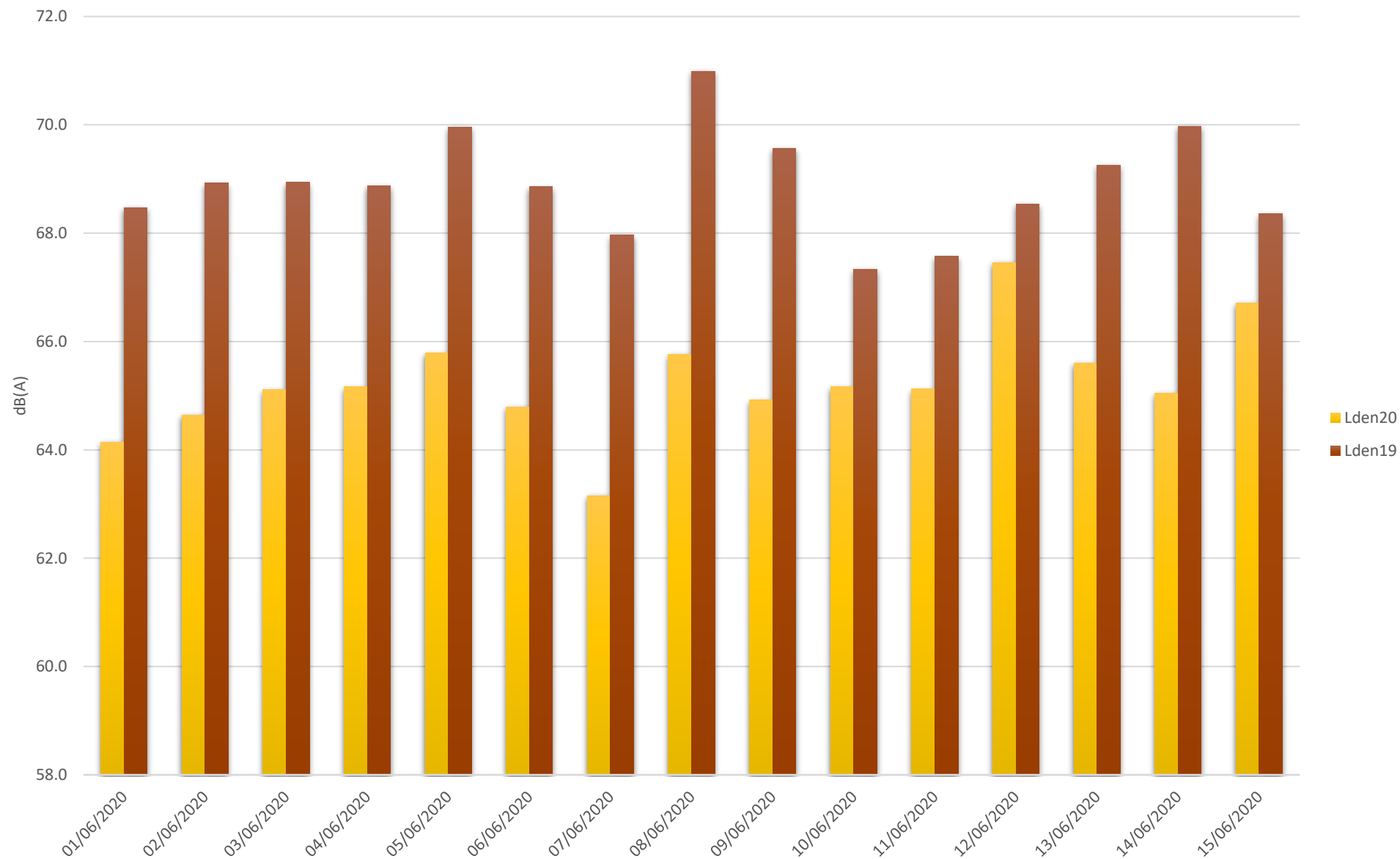
### O326 Corrélation Phase 3 Ind




### O326 Corrélation Phase 3 Ind



### O326 Corrélation Phase 3 Ind

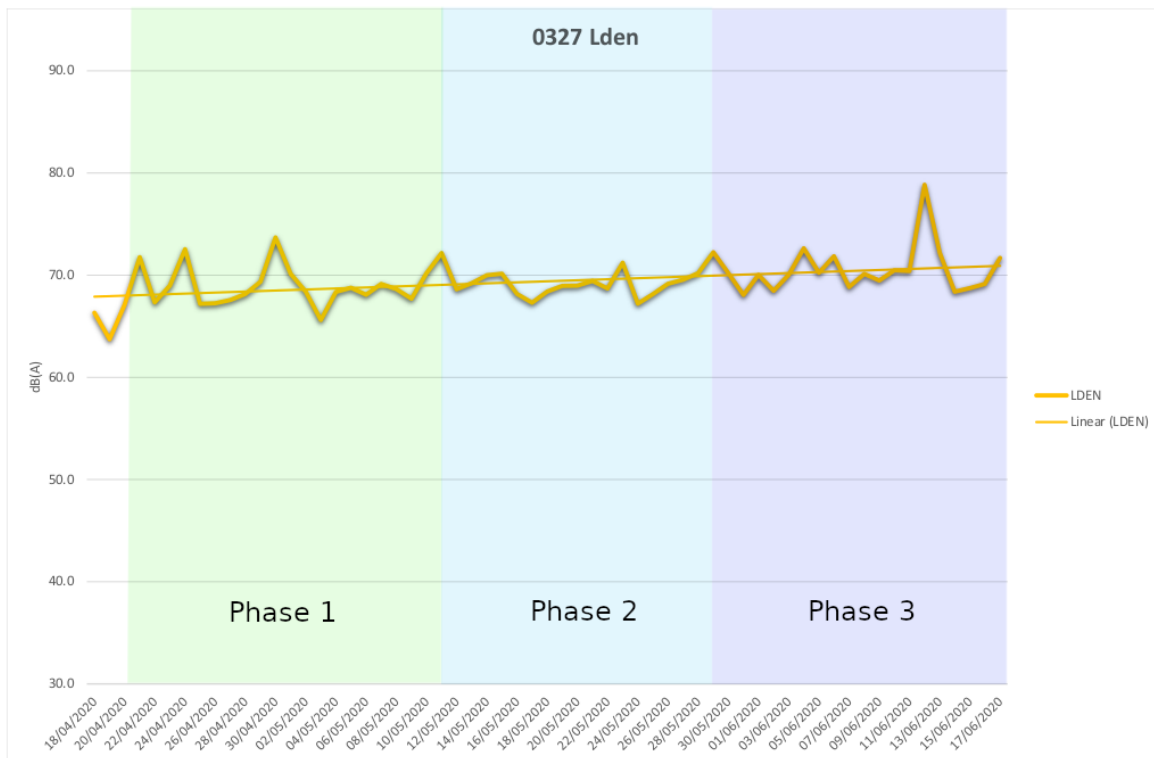
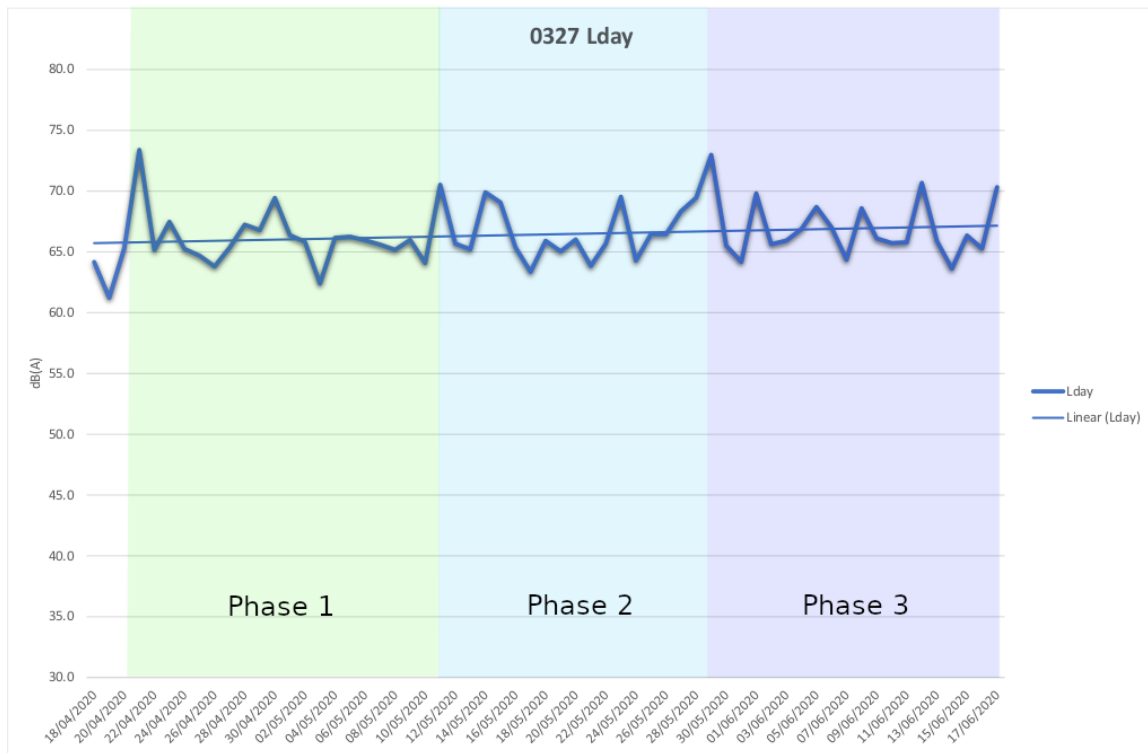


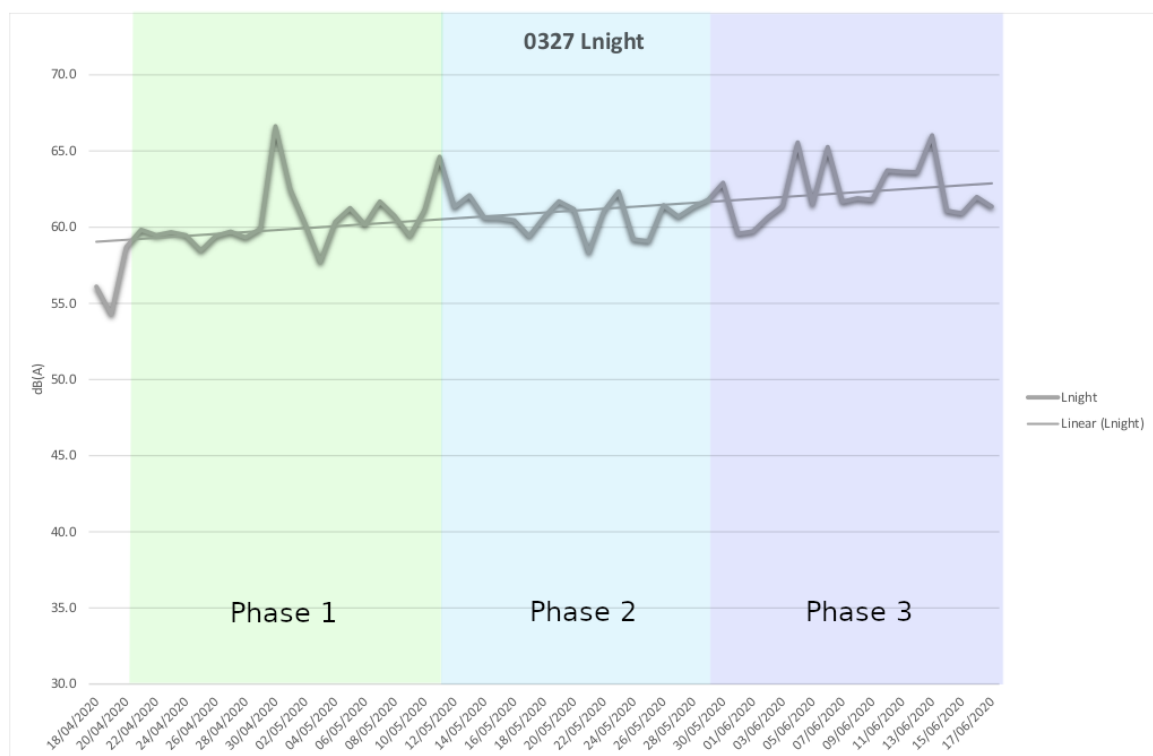
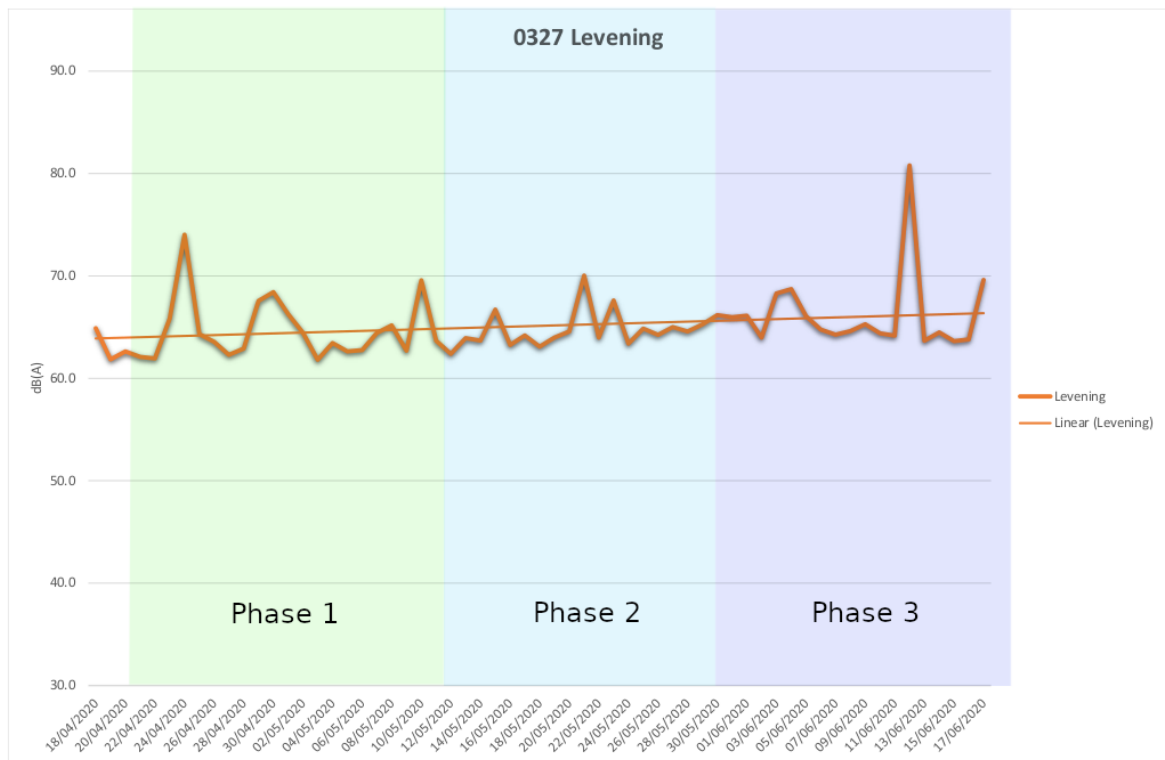
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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Point ID:	0327		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Esch/Alzette		
Address:	Boulevard Kennedy 11		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	66692 E	62120 N	291.2
<b>Measurements</b>			
Start:	17/04/20 17:40		
Finish:	18/06/20 14:40		
<b>Point description</b>			
Microphone height:	4.0		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			


UTC+02:00																																	
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020
Heure																																	
0-1		58.5	54.0	52.9	56.4	57.6	57.6	56.7	57.3	54.3	51.9	64.3	59.7	60.1	59.8	56.9	57.2	53.3	58.6	62.0	57.6	59.9	53.8	58.5	57.3	57.3	56.9	58.5	61.4	56.9	58.7	60.7	56.4
1-2		48.9	50.0	53.8	52.9	52.8	52.6	52.5	50.7	56.1	50.6	47.7	59.9	59.8	58.9	50.5	55.7	51.4	55.3	52.9	52.7	60.6	55.4	60.0	54.6	55.4	54.5	58.0	59.6	57.2	53.4	56.5	60.8
2-3		44.0	47.9	50.5	49.7	42.0	50.0	54.0	52.3	56.5	52.6	53.6	64.1	55.5	54.6	52.3	51.3	44.7	53.1	53.3	55.5	59.2	71.4	54.2	52.7	58.6	50.5	55.5	58.0	54.0	56.0	52.5	54.8
3-4		54.5	52.4	48.1	54.5	47.2	57.5	55.8	41.7	47.8	57.0	60.9	55.5	54.5	55.4	59.8	52.8	54.2	42.1	50.5	50.3	63.3	58.2	40.0	55.7	52.7	53.5	54.6	60.5	54.7	51.6	52.4	56.3
4-5		55.0	54.8	55.9	55.1	53.0	57.6	51.1	57.8	53.7	56.3	66.7	58.4	53.7	58.7	58.3	58.8	58.6	54.7	56.9	53.8	55.1	61.1	52.6	57.4	54.9	58.1	51.4	55.4	57.5	55.3	53.6	46.8
5-6		60.9	59.3	62.3	62.4	62.3	57.3	55.9	62.0	60.7	61.1	69.5	64.6	60.4	57.6	63.5	62.9	63.7	63.7	63.0	61.4	63.3	67.7	64.3	66.4	62.6	62.5	63.7	57.9	62.5	61.8	63.0	58.6
6-7		64.5	67.6	65.9	65.7	65.9	63.2	56.6	66.0	65.6	65.6	72.2	66.6	65.0	57.4	64.9	67.4	65.4	68.7	65.6	65.1	60.1	71.2	66.9	67.6	66.5	66.4	64.5	58.2	66.3	68.9	66.4	59.2
7-8		66.7	65.4	66.0	66.2	67.1	63.3	59.0	64.9	65.6	65.3	70.7	64.5	63.4	57.7	66.5	66.8	68.8	66.7	67.3	64.5	58.7	70.7	69.0	66.4	67.1	66.4	64.2	58.9	67.9	65.7	68.4	59.4
8-9		66.2	64.2	65.1	66.9	63.9	61.5	60.4	64.6	66.7	66.2	67.6	60.1	61.5	56.5	64.0	68.3	65.6	66.6	65.9	66.1	62.3	69.7	65.8	65.7	66.0	77.0	62.7	62.1	64.9	65.4	65.9	59.9
9-10		65.3	66.9	65.1	65.3	63.2	64.9	60.4	64.6	64.7	66.7	66.3	66.8	65.1	61.8	66.3	63.5	65.1	65.5	66.9	68.9	63.2	67.3	65.6	64.9	69.1	64.4	65.0	61.8	65.7	64.2	65.4	61.9
10-11		64.8	64.6	65.8	65.1	65.0	63.7	61.9	63.3	70.4	64.7	67.9	68.6	64.5	62.1	68.5	65.6	66.4	65.3	63.8	69.1	61.9	65.5	65.1	64.5	65.7	66.1	64.4	62.9	64.8	64.2	65.1	64.4
11-12		64.4	66.9	64.4	63.6	65.3	62.1	64.8	63.8	69.9	67.6	68.1	66.8	66.0	63.6	64.4	65.7	65.4	64.3	64.4	65.7	64.8	67.0	64.5	63.9	64.4	66.1	64.4	64.5	66.0	65.6	66.0	62.8
12-13		64.7	83.0	64.9	66.2	65.1	63.4	61.5	63.7	69.7	68.8	66.8	65.1	64.7	62.5	64.9	69.7	65.6	65.4	65.4	64.8	63.7	69.8	65.2	65.8	65.3	66.2	64.4	64.8	63.6	65.6	66.0	66.7
13-14		65.4	65.4	65.5	65.0	63.6	65.5	63.1	65.6	67.4	69.3	68.1	67.3	66.5	61.5	64.4	65.8	63.8	66.9	65.4	64.9	62.6	67.9	66.5	65.2	69.2	69.1	65.7	61.6	66.4	65.9	65.8	64.1
14-15		65.8	74.6	64.0	62.4	67.3	67.2	61.2	63.7	66.0	66.7	70.3	70.5	69.5	62.6	66.1	65.3	64.9	65.0	63.0	66.8	67.5	65.6	64.4	64.0	64.9	66.1	65.5	63.9	64.4	63.4	65.7	64.6
15-16		66.1	63.2	65.8	64.0	65.6	62.4	61.7	63.9	65.8	66.3	70.9	65.5	68.5	63.2	67.2	66.2	66.8	66.9	64.8	64.5	66.4	65.1	65.7	66.6	78.3	65.5	63.5	63.5	66.5	63.9	64.7	64.8
16-17		65.0	65.3	64.7	64.3	65.2	67.9	65.1	70.2	64.4	65.8	73.3	64.6	65.2	63.3	64.3	64.3	65.2	64.9	64.1	64.2	63.9	78.5	65.5	65.2	68.0	65.7	68.4	63.3	68.9	65.8	66.4	63.1
17-18		64.8	63.6	64.3	74.6	65.2	63.5	63.4	64.0	66.0	66.7	70.1	62.9	64.7	64.6	69.1	64.4	66.8	64.4	64.4	63.7	65.3	65.6	63.9	65.4	64.2	66.1	67.6	65.1	64.5	65.6	66.7	64.5
18-19		63.5	66.0	65.9	67.7	64.4	65.6	69.8	66.0	64.0	64.8	67.4	65.2	64.3	63.6	64.1	65.5	64.6	64.2	64.9	63.9	62.6	64.5	64.1	63.7	64.9	65.7	65.1	64.7	63.8	64.4	65.1	64.9
19-20		63.2	63.2	63.2	63.9	79.8	64.6	66.9	62.1	64.2	71.2	67.3	68.6	64.4	61.7	64.9	63.5	63.1	64.4	64.3	63.8	64.4	64.5	62.8	65.3	66.0	66.6	63.0	66.3	63.7	64.9	65.0	64.7
20-21		64.4	61.8	62.2	70.3	63.5	67.4	62.9	63.3	63.3	63.1	68.8	66.0	66.4	63.0	63.0	63.1	63.6	65.6	64.7	64.1	64.4	62.8	63.5	64.7	63.4	69.8	63.2	64.8	63.5	63.5	65.3	75.1
21-22		61.8	62.5	61.8	60.5	60.8	61.8	62.0	62.9	63.3	64.7	67.3	65.1	63.4	61.9	64.3	62.2	63.3	64.0	64.9	61.4	63.1	63.6	61.3	62.8	62.8	64.2	63.7	62.7	63.4	62.1	64.8	63.7
22-23		60.0	60.3	60.0	60.1	61.4	59.8	58.2	60.2	59.5	66.6	69.8	64.1	62.8	60.2	60.1	61.3	60.5	63.5	66.5	60.4	74.6	63.6	61.6	62.1	61.0	62.9	63.0	61.3	61.3	64.9	62.8	63.5
23-24		56.8	54.2	56.6	57.7	56.5	60.1	66.8	56.9	57.7	61.9	63.9	61.0	61.3	56.9	59.8	61.0	60.4	57.4	60.8	59.7	62.6	59.9	60.2	59.4	59.5	61.3	62.0	61.2	60.7	59.1	62.9	61.7
Σ <sub>Day</sub>		65.3	73.4	65.2	67.5	65.3	64.7	63.8	65.4	67.2	66.8	69.4	66.4	65.8	62.4	66.2	66.3	66.0	65.6	65.2	66.0	64.1	70.5	65.7	65.2	69.9	69.1	65.4	63.4	65.9	65.1	66.0	63.9
Σ <sub>Evening</sub>		62.6	62.1	62.0	65.8	74.0	64.3	63.6	62.3	62.9	67.6	68.4	66.3	64.5	61.8	63.5	62.6	62.8	64.4	65.2	62.7	69.6	63.7	62.4	63.9	63.7	66.7	63.3	64.2	63.1	64.0	64.6	70.0
Σ <sub>Night</sub>		58.7	59.8	59.5	59.7	59.5	58.5	59.4	59.7	59.3	59.9	66.6	62.5	60.2	57.7	60.4	61.3	60.2	61.7	60.7	59.4	61.2	66.6	61.3	62.1	60.6	60.6	60.5	59.4	60.7	61.7	61.2	58.3
l <sub>DEN</sub>		67.1	71.8	67.3	69.0	72.5	67.2	67.3	67.6	68.2	69.4	73.7	70.1	68.4	65.6	68.4	68.8	68.1	69.1	68.6	67.7	70.2	73.4	68.6	69.2	70.0	70.1	68.2	67.3	68.4	69.0	69.0	69.4

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020	Heure	Semaine	Weekend	Sem.+Wk
60.1	59.3	61.5	55.2	58.0	58.2	58.5	58.4	62.7	62.4	63.9	60.0	60.1	68.6	60.9	62.8	66.1	57.9	59.9	63.0	66.4	61.5	70.5	64.8	59.0	58.6	58.5	0-1	60.1	62.7	61.0
57.3	59.0	60.0	54.0	55.5	56.7	60.6	56.8	61.0	58.8	57.6	56.8	56.3	63.3	58.3	60.5	60.2	58.4	56.6	55.9	59.1	58.5	63.7	61.2	59.2	52.1	58.9	1-2	56.8	59.2	57.7
56.1	54.6	59.7	53.1	55.2	56.6	48.9	49.7	59.5	58.1	72.0	49.1	53.9	59.2	54.8	62.7	59.3	55.2	49.5	50.6	55.5	52.4	59.7	61.2	55.6	56.7	50.9	2-3	49.5	63.2	51.9
53.8	60.0	58.6	43.8	52.5	52.8	50.5	56.6	64.5	60.5	60.9	56.2	57.1	60.0	53.0	60.6	61.7	53.3	56.2	53.8	58.0	54.7	59.6	57.9	53.2	55.6	56.1	3-4	55.2	59.3	56.9
57.7	59.1	51.9	56.5	55.0	55.3	59.6	57.2	60.3	53.0	49.5	55.6	54.3	62.7	51.9	63.8	55.5	58.1	56.5	57.8	61.7	59.8	61.5	59.3	57.5	58.5	55.0	4-5	58.0	57.7	57.9
62.5	64.7	60.5	61.4	64.7	63.0	63.8	64.6	61.3	57.9	59.2	63.2	62.3	67.9	62.5	68.0	61.3	65.1	64.0	64.9	65.0	62.9	65.5	57.7	61.7	63.9	61.9	5-6	63.7	61.9	63.3
66.0	66.4	58.0	64.5	67.2	66.8	66.3	66.7	65.1	58.4	57.1	65.7	66.3	68.8	66.8	70.3	55.9	67.7	65.8	66.7	67.9	64.5	69.8	59.8	65.7	67.7	66.5	6-7	66.9	64.1	66.2
65.8	69.8	60.8	67.8	67.1	67.3	68.6	68.8	64.5	59.1	59.8	65.4	66.3	65.7	65.7	70.6	61.7	65.3	66.9	66.9	68.2	67.0	66.2	60.2	66.3	65.7	66.6	7-8	66.9	64.2	66.3
64.2	68.6	61.3	67.2	66.6	64.6	66.5	66.4	63.8	61.9	59.8	64.7	66.3	67.9	66.4	66.2	61.0	66.2	66.5	65.6	65.9	65.9	64.0	61.2	66.4	66.0	65.7	8-9	67.0	63.3	66.2
66.6	70.0	65.4	64.6	65.2	66.8	65.7	65.5	65.2	64.3	61.8	67.1	64.9	66.1	64.2	66.6	63.4	67.7	65.4	65.9	65.2	64.7	66.4	62.3	65.9	66.5	66.6	9-10	65.7	65.1	65.6
64.3	72.3	65.2	65.3	69.3	65.9	67.0	65.3	65.6	64.0	62.4	63.6	66.1	67.5	65.9	65.8	64.8	66.5	65.7	66.1	66.1	72.4	64.2	64.2	65.6	65.9	68.6	10-11	66.4	65.5	66.2
64.6	71.0	64.7	63.3	66.1	63.9	64.9	64.7	66.3	63.8	63.7	66.0	65.8	69.3	66.6	69.5	63.9	65.4	65.7	65.6	65.6	66.9	67.0	63.9	64.6	63.9	66.0	11-12	65.7	65.8	65.7
64.3	71.2	65.4	64.9	65.8	64.2	65.0	66.2	66.2	63.4	64.8	66.3	67.6	67.9	68.5	66.9	65.2	65.3	67.5	64.8	65.5	67.5	64.8	63.7	65.2	64.7	70.8	12-13	69.5	65.2	68.7
66.0	68.9	63.4	67.0	66.0	66.2	65.4	82.8	65.5	63.0	63.5	65.7	64.5	66.6	72.1	66.4	63.7	68.4	66.4	65.8	64.5	76.7	64.2	64.2	66.6	63.6	72.4	13-14	70.1	64.6	69.1
66.3	65.7	65.6	65.5	65.5	65.6	78.0	65.3	66.1	63.5	65.8	64.8	66.9	66.4	71.2	65.6	66.8	69.7	66.8	65.3	66.1	64.8	66.5	63.5	64.6	64.2	71.9	14-15	68.1	65.7	67.5
65.2	66.2	64.0	67.2	65.6	68.1	65.4	68.2	66.0	64.2	79.6	65.9	65.8	65.9	69.4	66.3	63.4	75.5	65.5	66.4	65.1	76.2	65.4	62.7	64.3	67.0	70.7	15-16	69.8	64.8	68.8
65.5	65.1	63.7	64.5	64.6	76.1	64.7	65.4	65.0	63.2	64.7	63.8	63.9	65.8	70.1	66.2	65.6	65.4	66.3	66.3	66.0	65.0	66.2	64.9	65.1	64.3	73.0	16-17	68.4	65.4	67.8
65.8	65.0	64.9	70.4	67.1	64.4	65.3	65.1	66.6	64.3	63.8	64.2	67.0	65.1	68.7	64.7	64.0	65.8	65.2	65.1	64.9	64.8	67.4	65.4	71.3	66.1	71.2	17-18	66.9	65.1	66.5
67.9	72.1	64.4	64.5	66.5	63.5	64.6	66.6	64.4	68.8	63.0	68.0	64.5	66.1	68.5	64.8	65.7	64.2	64.4	64.2	65.1	64.6	66.9	64.6	64.3	63.8	72.0	18-19	65.7	66.3	65.8
65.3	67.2	64.2	66.8	64.3	64.9	66.6	64.9	65.6	64.4	66.8	64.0	71.2	72.9	67.0	65.7	65.3	63.5	64.1	65.9	65.0	71.8	65.0	64.8	64.1	65.1	71.3	19-20	68.3	64.8	67.5
63.5	69.2	64.0	64.3	62.9	63.4	63.6	64.2	65.0	65.8	63.8	63.8	67.8	67.2	66.8	65.3	64.2	67.5	64.4	62.5	64.5	86.5	63.1	63.1	63.9	64.2	69.4	20-21	71.6	65.1	70.5
63.6	67.9	62.4	63.8	65.7	67.8	63.4	66.2	69.0	68.4	68.2	62.1	66.9	63.7	64.0	64.2	64.1	63.7	65.8	63.2	63.7	67.3	63.2	65.5	63.5	62.1	69.5	21-22	64.5	64.8	64.6
63.1	65.1	62.7	63.7	63.6	61.2	63.7	65.5	62.9	63.5	64.1	65.4	64.7	64.5	65.9	63.5	63.2	61.3	66.4	65.0	63.1	69.0	63.1	64.3	62.9	63.3	67.4	22-23	64.1	65.2	64.4
62.2	64.2	58.3	59.9	60.5	57.1	60.9	63.6	65.0	61.8	61.9	60.6	64.1	62.8	63.4	61.4	63.5	59.1	65.3	68.9	61.7	70.0	63.5	62.0	62.8	62.7	64.2	23-24	62.2	62.2	62.2
65.7	69.5	64.3	66.5	66.4	68.4	69.5	73.0	65.5	64.2	69.8	65.6	65.9	66.9	68.7	67.0	64.4	68.6	66.1	65.7	65.8	70.7	65.9	63.6	66.4	65.3	70.3	Z <sub>Day</sub>	67.8	65.1	67.2
64.0	67.6	63.4	64.8	64.2	65.0	64.6	65.3	66.2	66.0	66.1	64.0	68.3	68.7	66.1	64.8	64.3	64.6	65.3	64.4	64.2	80.8	63.7	64.5	63.6	63.8	69.6	Z <sub>Evening</sub>	68.2	65.0	67.5
61.0	62.3	59.2	59.1	61.4	60.7	61.3	61.8	62.9	59.6	64.6	60.7	61.4	65.6	61.5	65.3	61.7	61.9	61.8	63.7	63.6	63.6	66.0	61.1	60.9	62.0	61.4	Z <sub>Night</sub>	60.1	61.8	59.6
68.7	71.2	67.2	68.1	69.2	69.5	70.2	72.2	70.2	68.1	72.2	68.5	70.1	72.6	70.2	71.8	68.9	70.1	69.5	70.5	70.4	78.8	72.2	68.4	68.7	69.2	71.7	L <sub>GEN</sub>	69.1	69.2	68.7





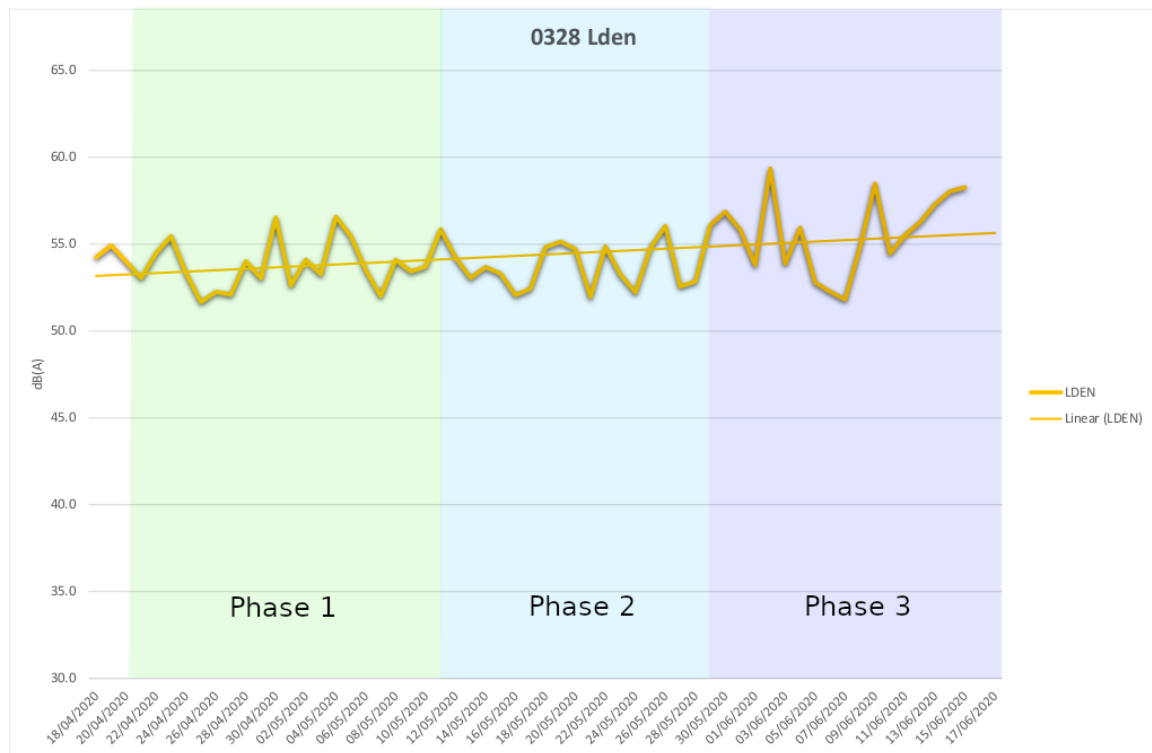
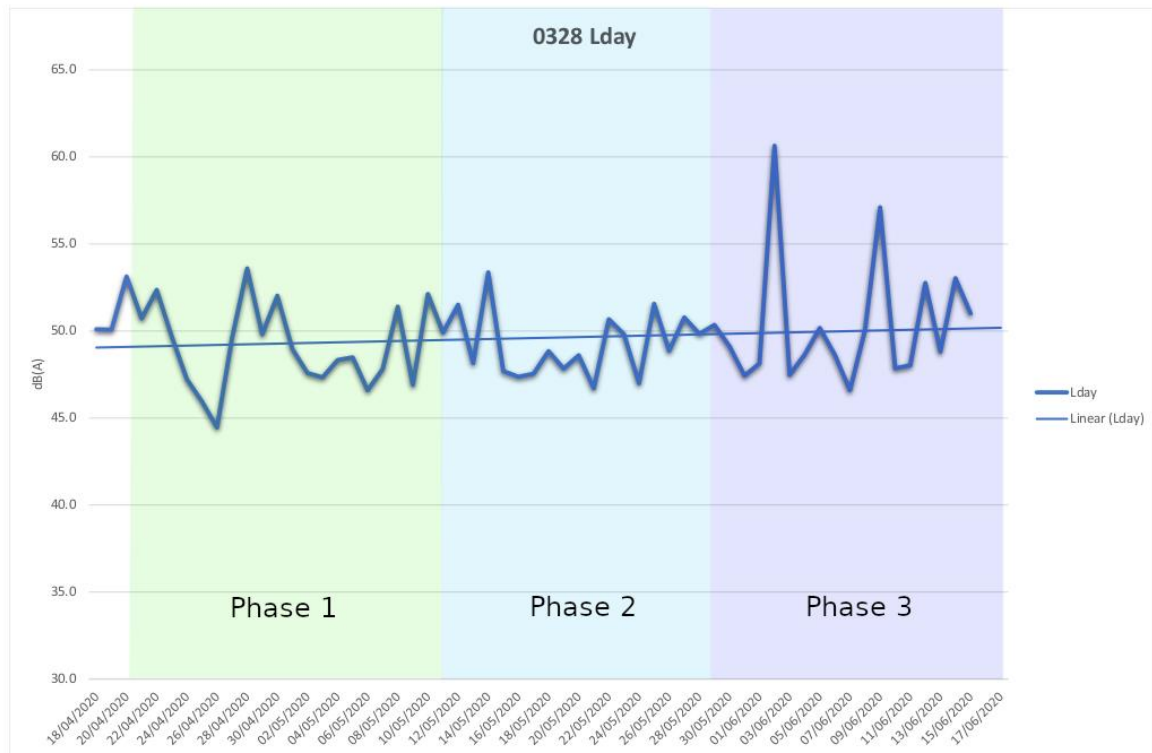


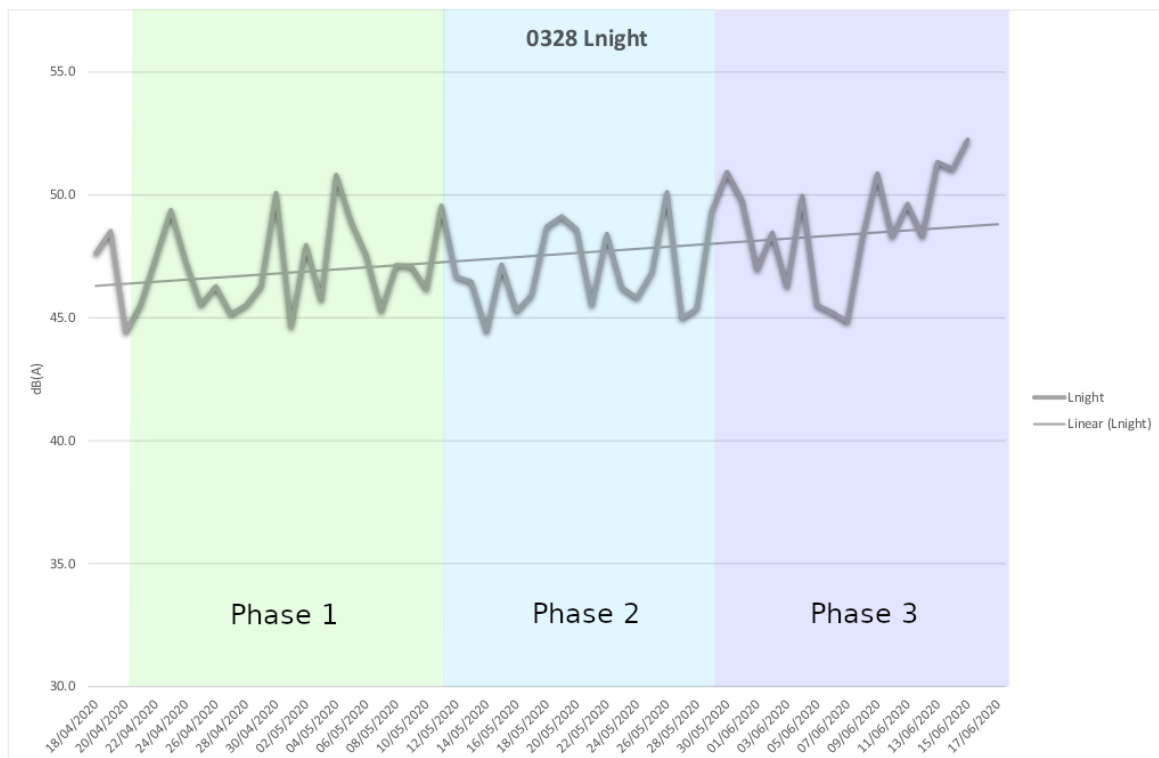
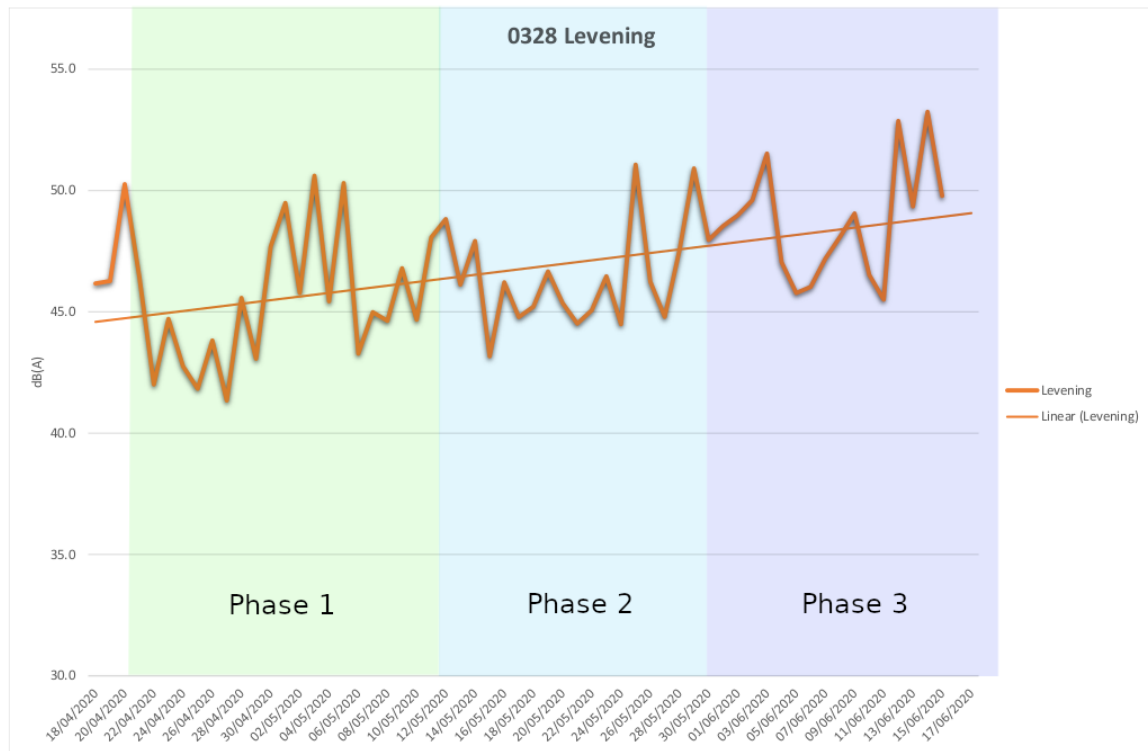
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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Point ID:	0328		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Diekirch		
Address:	Rue Jos Theis 11		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	79436 E	103178 N	196.8
<b>Measurements</b>			
Start:	17/04/20 21:20		
Finish:	15/06/20 20:40		
<b>Point description</b>			
Microphone height:	2.0		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

UTC+02:00																																	
		Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020
Heure																																	
0-1	40.1	46.3	39.8	40.8	39.6	38.8	35.7	36.8	40.2	40.3	41.9	38.5	36.5	35.4	40.1	39.7	35.7	35.6	40.2	38.1	39.7	38.3	37.0	35.6	37.0	38.1	37.3	41.2	40.7	38.5	37.4	39.4	
1-2	39.4	43.2	40.7	39.5	36.9	36.1	35.8	35.3	38.7	38.7	41.0	41.1	37.5	36.0	34.8	37.4	35.0	35.4	34.9	40.2	39.4	40.9	39.4	35.6	36.0	39.3	35.9	37.6	39.1	39.5	39.7	35.9	36.9
2-3	37.2	44.2	39.1	37.0	35.3	35.3	35.8	35.3	37.1	39.3	42.8	35.5	35.3	35.3	37.5	35.3	35.9	35.5	37.5	42.1	36.7	51.1	35.0	35.6	34.9	35.0	34.9	39.2	36.8	39.7	37.3	36.7	
3-4	38.0	41.3	37.7	36.9	37.1	35.8	36.2	35.3	37.7	41.1	47.4	38.8	36.5	35.0	36.5	35.2	35.3	35.3	36.7	40.5	37.6	45.4	35.1	36.4	38.1	36.4	36.1	37.5	36.4	38.5	39.4	39.5	
4-5	37.0	38.5	37.7	41.1	36.6	38.1	36.1	37.9	39.3	39.4	56.6	46.6	38.3	37.4	41.7	39.8	37.3	35.3	38.2	41.0	41.3	46.1	36.4	37.4	37.8	36.8	45.9	43.7	44.5	45.7	47.5	48.1	
5-6	46.3	45.2	54.0	57.4	54.4	48.2	53.5	51.6	49.5	53.2	51.5	45.6	55.8	52.9	58.4	57.1	55.4	53.1	54.9	54.7	53.7	56.6	54.6	54.2	50.8	54.5	51.9	52.8	56.1	56.8	55.8	51.4	
6-7	49.6	51.3	51.5	49.7	50.7	52.7	49.3	49.4	51.8	48.2	50.5	50.8	49.6	48.7	53.4	49.1	49.4	46.1	47.9	47.4	46.7	52.1	47.8	47.9	48.0	49.9	46.6	47.4	50.8	49.7	50.3	47.0	
7-8	48.9	48.5	47.5	49.8	49.3	46.1	43.6	46.8	50.9	48.1	51.4	49.0	48.1	46.4	49.6	50.7	49.5	48.4	46.8	50.1	47.1	49.7	48.7	48.3	48.8	50.3	46.4	49.3	50.8	50.1	50.3	49.3	
8-9	52.5	51.5	46.6	46.9	47.8	45.9	42.5	48.1	49.3	44.8	48.3	45.9	47.7	48.0	51.7	47.6	49.5	46.5	57.4	44.7	46.7	47.9	45.8	46.6	49.0	48.6	49.7	48.5	51.6	52.0	46.4	46.1	
9-10	49.0	52.0	49.0	55.1	49.2	43.3	45.4	50.8	58.9	48.2	47.2	47.9	45.3	42.0	47.2	46.1	44.2	48.4	49.9	49.2	45.2	51.2	46.6	44.9	51.7	45.7	46.4	45.7	47.0	49.5	48.0	46.4	
10-11	53.6	51.3	48.9	51.5	49.0	45.8	46.2	44.9	46.2	57.2	57.8	47.6	46.4	48.5	47.8	49.1	44.9	46.9	48.0	47.0	45.7	53.1	54.3	51.1	61.6	48.1	45.5	49.7	50.5	48.4	48.1	46.5	
11-12	52.9	50.8	48.2	50.1	46.9	47.2	43.7	44.8	47.3	48.1	55.6	45.6	51.7	51.9	46.8	46.5	46.8	48.6	50.8	46.3	48.4	51.7	52.6	46.1	49.6	50.0	49.4	48.9	45.1	44.0	46.2	46.6	
12-13	54.1	51.2	55.2	47.8	45.8	48.1	48.0	52.8	55.7	47.8	48.7	45.4	45.9	46.2	46.4	49.2	47.6	51.6	56.7	43.9	45.0	48.1	48.7	51.2	56.5	45.9	50.7	46.3	48.2	45.9	49.4	45.0	
13-14	54.6	50.6	53.9	52.6	47.6	47.3	43.6	52.2	49.9	52.8	49.4	48.2	45.5	45.3	44.2	47.5	43.9	49.2	46.4	47.8	61.5	51.8	57.1	47.5	48.9	51.2	48.4	46.9	52.6	46.2	48.7	43.2	
14-15	56.3	50.3	56.2	46.4	45.8	47.6	44.3	45.9	60.0	43.9	47.0	48.0	49.9	45.5	46.6	53.7	45.1	44.8	48.9	48.3	49.5	46.3	44.4	47.6	44.5	43.8	43.7	44.0	43.7	44.6	45.8	45.2	
15-16	51.7	52.7	57.2	45.6	46.5	46.2	45.0	43.4	48.9	44.4	49.4	47.9	45.9	48.5	47.2	44.4	45.7	44.9	42.7	45.2	48.4	50.5	45.8	47.4	45.6	44.9	46.0	46.2	47.6	45.8	47.8	46.2	
16-17	52.0	50.6	48.9	43.3	45.2	44.9	44.0	50.0	47.3	44.1	50.8	47.0	45.4	44.6	51.9	45.1	45.8	43.6	43.3	46.7	43.6	47.7	44.4	49.3	49.8	45.3	46.2	49.1	48.4	44.9	48.0	47.5	
17-18	53.6	46.9	48.1	45.2	44.6	42.5	40.8	54.2	44.3	46.8	51.9	54.7	46.1	43.1	43.8	44.9	46.8	46.5	45.8	42.4	44.1	46.0	46.7	44.6	46.1	45.8	42.2	45.5	44.7	46.8	51.2	47.5	
18-19	52.9	49.4	48.8	43.8	45.7	41.6	40.8	44.2	44.9	44.0	50.4	49.9	47.1	48.4	48.3	45.6	44.6	47.9	50.6	45.0	47.0	48.4	55.6	47.5	45.9	44.1	46.2	46.4	44.6	47.6	49.8	47.9	
19-20	55.2	50.7	42.6	42.2	43.0	41.9	42.9	40.1	46.4	45.6	46.6	54.2	45.9	54.3	43.5	44.3	43.8	48.6	44.8	43.5	44.6	45.7	50.2	45.1	43.0	41.6	45.3	43.0	43.1	46.2	46.5	45.4	
20-21	44.8	45.1	44.8	45.5	42.9	42.4	47.1	41.4	44.9	42.9	45.9	47.2	48.9	48.6	48.1	55.3	43.8	45.4	43.2	50.3	47.7	43.6	50.9	49.7	45.6	44.8	47.9	47.1	46.5	48.3	44.1	46.3	
21-22	42.0	42.6	39.7	47.5	43.2	42.1	41.6	43.5	47.9	40.0	45.4	44.7	44.6	49.7	46.3	47.6	44.5	40.4	47.8	47.2	43.9	52.8	48.3	43.4	44.2	43.7	47.6	46.0	47.7	48.5	45.5	41.1	
22-23	46.6	38.4	37.4	39.9	41.8	40.7	40.5	39.2	38.7	41.8	50.6	41.3	38.7	43.6	40.4	39.1	39.3	39.1	37.0	39.4	37.5	37.8	40.1	42.0	52.2	41.7	41.7	39.3	39.2	36.9	45.0	43.7	
23-24	47.1	39.9	41.4	40.4	40.3	38.8	40.3	40.3	38.8	40.9	38.8	38.4	37.0	41.6	39.2	39.7	38.2	40.3	37.5	38.6	36.5	37.8	37.8	38.9	40.5	41.1	41.2	40.6	40.8	39.8	39.9	38.6	
Σ <sub>Day</sub>	53.1	50.7	52.4	49.7	47.2	46.0	44.5	49.6	53.6	49.8	52.0	49.0	47.6	47.3	48.3	48.5	46.6	47.8	51.4	46.9	52.1	49.9	51.5	48.2	53.4	47.7	47.4	47.5	48.8	47.8	48.6	46.7	
Σ <sub>Evening</sub>	50.3	46.4	42.0	44.7	42.8	41.8	43.8	41.3	45.6	43.1	47.7	49.5	45.8	50.6	45.4	50.3	43.3	45.0	44.6	46.8	44.7	48.1	48.8	46.1	47.9	43.2	46.2	44.8	45.2	46.7	45.4	44.5	
Σ <sub>Night</sub>	44.4	45.6	47.5	49.4	47.3	45.5	46.3	45.2	45.5	46.3	50.1	44.6	48.0	45.7	50.8	48.9	47.6	45.3	47.2	47.1	46.2	50.2	46.7	46.5	44.5	47.2	45.3	45.9	48.7	49.1	48.6	45.5	
L <sub>DEN</sub>	54.0	53.1	54.5	55.5	53.3	51.7	52.3	52.1	54.0	53.0	56.5	52.6	54.1	53.3	56.6	55.5	53.5	52.0	54.1	53.4	53.7	56.4	54.2	53.1	53.7	53.3	52.1	52.4	54.8	55.2	54.7	52.0	

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020					
																												Heure	Semaine	Weekend	Sem.+Wk
42.9	37.2	40.3	40.3	39.8	39.0	35.9	39.9	44.0	39.9	39.2	37.3	38.2	43.8	39.7	41.0	40.3	41.9	37.9	37.9	43.4	40.3	49.8	39.4	37.2			0-1	40.0	41.4	40.5	
36.9	37.2	36.5	39.3	39.8	39.3	36.3	39.9	40.7	40.7	38.5	41.4	36.9	47.6	39.7	37.7	40.1	40.5	39.4	36.8	35.9	38.4	51.4	50.3	36.4			1-2	39.4	43.0	40.8	
36.5	36.2	36.6	39.3	39.1	40.2	37.7	40.1	39.4	39.3	52.7	38.7	36.3	54.2	38.7	36.1	37.8	39.8	39.9	37.0	36.1	39.8	40.5	36.7	35.2			2-3	49.5	44.8	51.9	
37.1	37.4	36.0	38.9	37.7	38.2	39.8	37.5	37.8	41.1	40.6	40.4	38.1	48.8	41.7	39.3	38.0	41.5	39.9	38.7	38.2	39.6	38.3	35.6	39.1			3-4	40.3	38.0	39.7	
48.6	43.3	40.5	47.1	54.6	43.7	44.7	53.9	57.1	54.2	49.2	54.8	49.3	49.5	46.6	44.7	45.2	53.4	56.8	53.7	53.5	50.4	56.6	55.8	58.7			4-5	50.1	50.1	50.1	
54.4	53.2	53.0	52.1	56.3	50.7	50.6	55.0	55.4	55.4	51.1	52.1	51.7	52.2	50.8	50.6	49.8	51.8	55.7	52.7	55.6	52.4	54.0	56.7	56.9			5-6	54.1	53.3	53.9	
51.8	48.8	48.0	51.0	48.1	48.4	49.9	49.1	48.6	50.2	48.9	47.4	46.0	49.9	48.3	48.7	48.5	50.3	49.4	49.8	50.2	51.8	50.9	46.2	49.3			6-7	49.9	50.5	50.1	
50.3	49.5	47.1	49.2	49.8	51.3	52.1	50.0	51.3	47.4	51.1	50.8	50.2	49.7	48.9	50.4	46.7	49.1	50.2	50.8	49.2	47.5	52.2	48.2	49.6			7-8	49.7	48.8	49.4	
49.4	48.8	49.4	53.1	52.1	48.5	49.5	52.5	47.6	44.7	46.4	59.0	48.0	51.3	50.1	47.2	42.8	48.4	46.9	50.2	46.7	50.6	49.7	45.6	45.7			8-9	50.6	47.6	49.9	
53.8	50.3	44.7	55.1	47.8	48.0	55.3	48.8	49.8	46.3	46.4	67.5	49.3	47.6	47.9	44.7	48.5	47.7	47.4	47.9	48.5	55.6	46.2	54.5	46.8			9-10	54.0	48.3	52.9	
48.6	50.3	48.0	50.2	49.1	56.1	49.3	51.7	49.2	46.8	46.4	66.9	46.4	49.1	49.0	51.8	47.9	50.6	44.6	46.3	44.8	59.6	49.5	47.9	46.3			10-11	54.6	49.6	53.6	
50.2	48.7	45.7	48.1	46.2	51.4	49.5	50.9	49.1	44.9	46.7	62.3	46.4	50.6	50.9	50.4	45.0	49.6	48.1	47.0	47.9	52.6	46.1	48.2	52.1			11-12	51.1	48.7	50.5	
48.9	50.1	46.5	47.1	48.5	51.4	49.3	48.4	49.4	46.5	45.0	53.5	48.4	47.3	48.7	45.6	46.7	50.6	46.8	44.9	48.7	49.8	44.7	53.1	50.6			12-13	50.6	47.9	50.0	
48.4	48.4	47.0	49.3	47.0	46.8	48.9	50.0	47.3	48.5	47.3	50.3	45.8	48.6	50.6	47.5	44.8	53.3	46.3	48.6	49.9	48.2	50.7	50.3	51.0			13-14	50.3	51.3	50.6	
55.8	50.5	48.1	55.3	49.4	50.9	48.1	47.3	48.0	46.9	47.0	50.0	44.4	47.1	50.8	46.3	47.8	53.8	51.5	48.5	49.2	55.0	46.7	52.2	45.3			14-15	51.0	49.8	50.7	
49.0	49.2	48.8	53.9	46.1	45.4	48.0	50.5	45.7	45.2	44.3	51.8	48.8	47.8	53.4	47.1	47.9	45.3	49.8	45.8	47.1	46.7	48.3	58.5	50.3			15-16	49.1	49.3	49.2	
46.1	53.4	42.7	46.9	46.7	44.5	45.4	46.6	48.6	47.1	45.6	44.6	44.3	47.5	51.0	50.1	47.4	49.6	46.8	46.5	47.4	47.2	45.5	52.8	55.7			16-17	48.2	47.9	48.1	
47.7	48.3	47.4	46.2	51.3	46.4	45.7	53.8	52.6	49.7	53.7	49.4	45.6	47.1	50.4	46.8	45.5	47.8	67.2	48.2	47.3	45.3	50.2	56.2	51.1			17-18	53.2	48.5	52.2	
49.5	46.2	43.9	50.9	47.3	53.1	45.2	47.5	45.3	50.6	46.6	47.0	47.5	47.2	47.0	49.2	44.6	46.5	52.4	45.2	47.5	44.6	49.2	50.0	54.0			18-19	48.9	46.9	48.4	
44.9	47.8	44.9	52.8	47.3	46.3	47.2	46.6	52.2	48.8	45.7	45.3	47.5	48.8	47.6	46.3	45.9	47.5	50.3	46.8	46.9	50.8	44.2	52.1	55.2			19-20	48.4	48.1	48.3	
47.5	47.6	45.9	53.3	48.8	45.4	51.1	55.7	46.4	45.4	53.4	46.6	47.1	47.6	46.0	47.5	51.1	49.4	50.1	46.7	45.8	57.7	49.2	51.3	47.2			20-21	49.3	48.4	49.0	
44.7	44.4	43.1	49.8	45.3	44.3	43.3	48.6	42.4	52.2	47.4	54.3	53.6	46.9	46.1	45.0	44.2	48.1	49.6	48.7	44.8	46.4	53.4	57.2	7.5			21-22	47.3	48.9	47.9	
40.6	45.1	43.4	40.2	37.5	42.2	43.8	38.9	43.3	40.9	38.9	42.3	53.7	43.1	41.3	44.6	42.3	45.3	42.9	40.7	43.8	42.1	40.9	43.3	7.5			22-23	44.0	41.8	43.5	
43.4	39.5	38.6	40.6	37.9	39.9	39.7	41.3	38.7	38.0	48.7	38.7	46.7	42.4	39.5	41.8	40.6	37.0	39.5	37.5	37.9	48.6	38.5	37.6	7.5			23-24	41.6	39.6	41.1	
50.7	49.8	47.0	51.6	48.9	50.8	49.8	50.3	49.1	47.4	48.1	60.6	47.5	48.6	50.2	48.6	46.6	50.1	57.1	47.9	48.0	52.8	48.8	53.0	51.0			Z <sub>Day</sub>	51.4	48.9	50.8	
45.1	46.5	44.5	51.1	46.2	44.8	47.5	50.9	48.0	48.5	49.0	49.6	51.5	47.0	45.8	46.0	47.2	48.1	49.1	46.5	45.5	52.9	49.3	53.2	49.8			Z <sub>Evening</sub>	47.7	47.5	47.6	
48.4	46.2	45.8	46.9	50.1	45.0	45.4	49.4	50.9	49.8	48.6	48.5	46.3	50.0	45.5	45.2	44.8	48.2	50.9	48.3	49.6	48.3	51.3	51.1	52.3			Z <sub>Night</sub>	60.1	48.0	59.6	
54.9	53.3	52.2	54.8	56.1	52.6	52.9	56.1	56.9	55.8	55.0	59.4	53.9	56.0	52.8	52.3	51.8	54.9	58.5	54.5	55.5	56.3	57.3	58.0	58.3			L <sub>GEN</sub>	69.1	54.5	68.7	





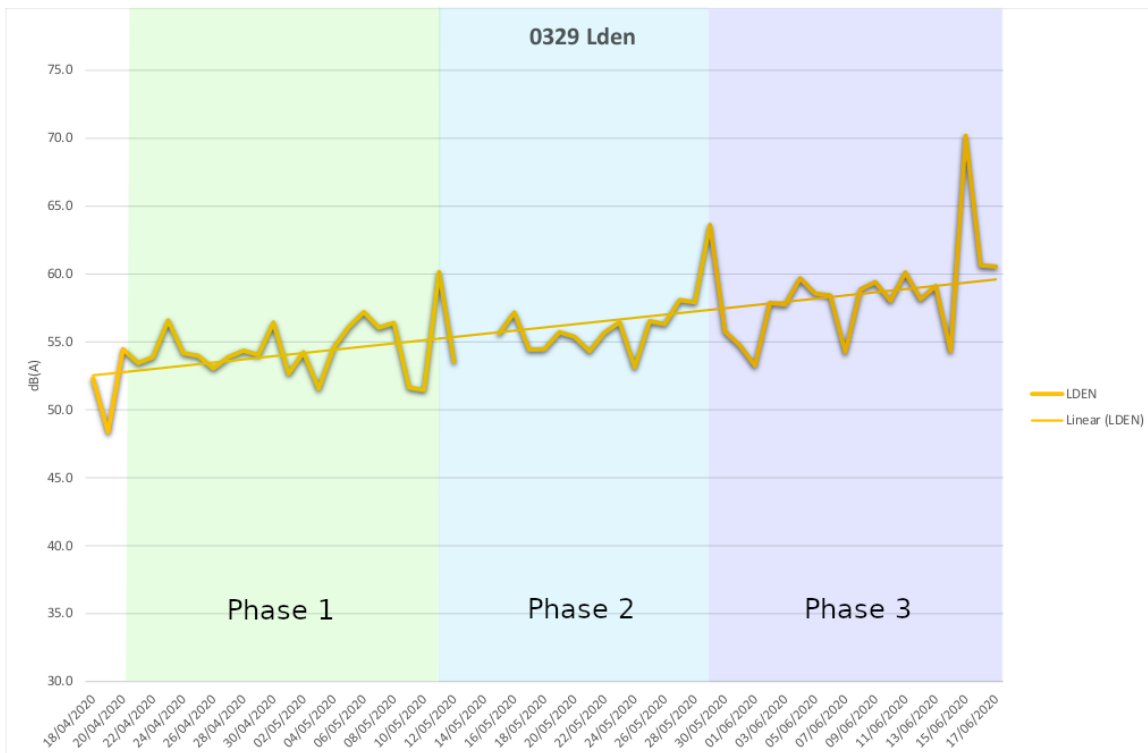
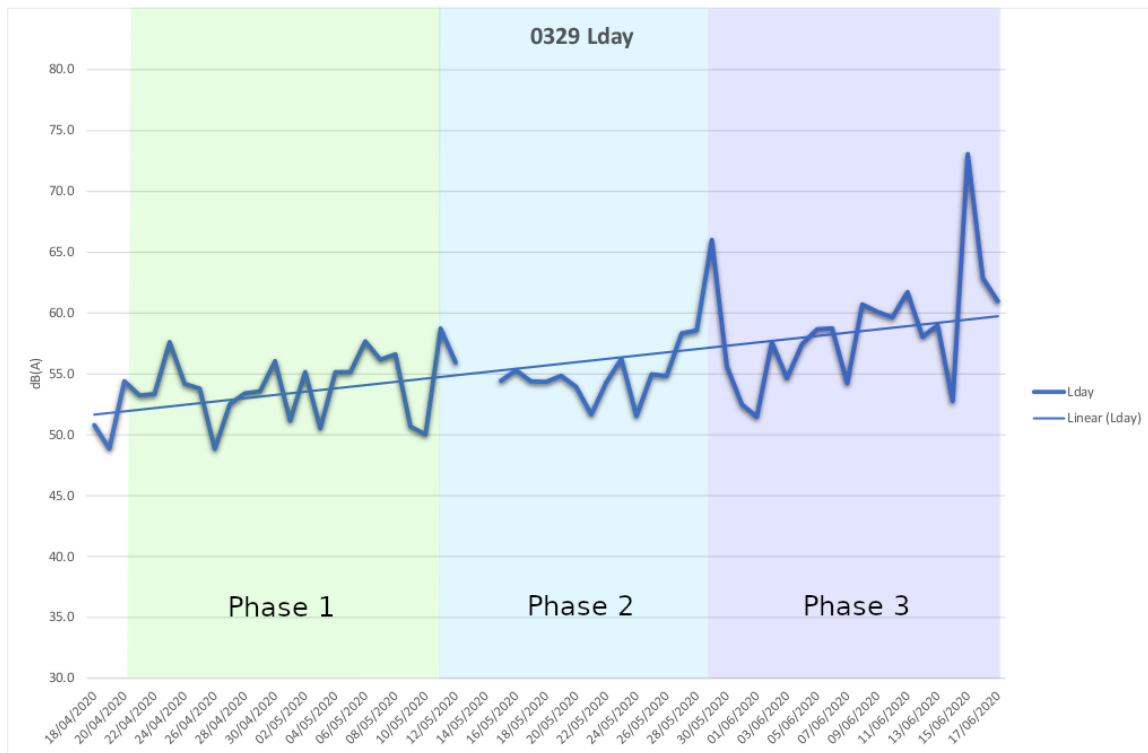
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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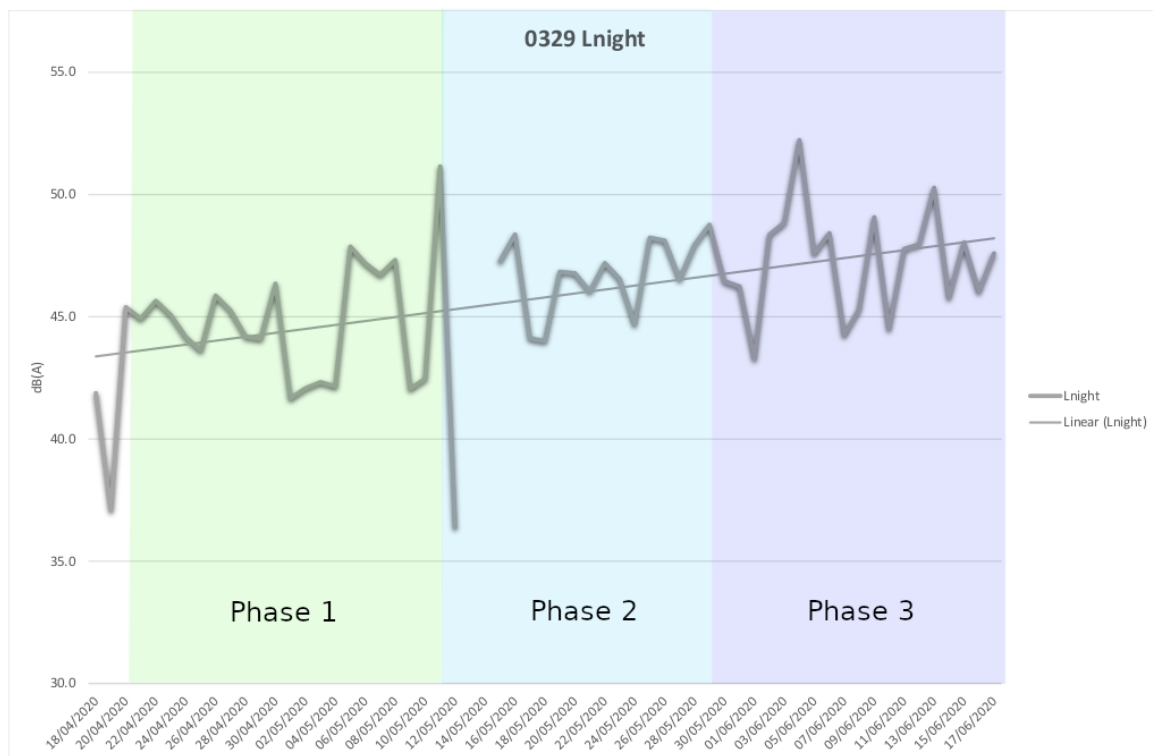
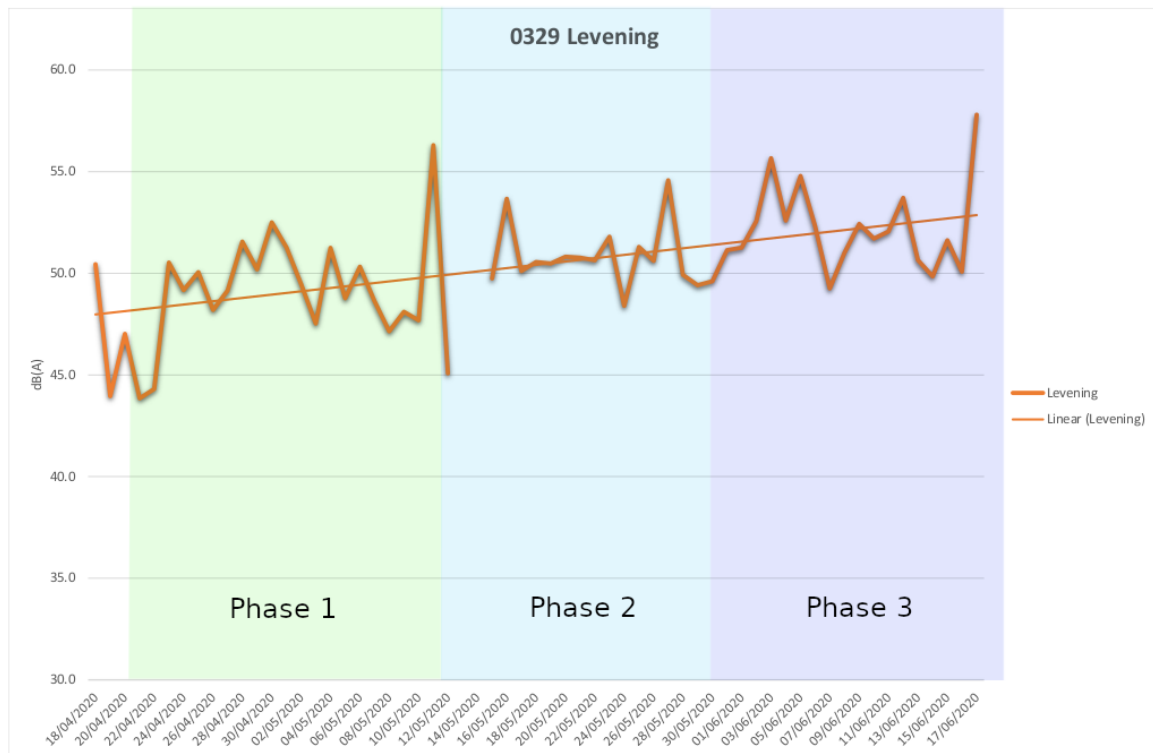
Point ID:	0329		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Mersch		
Address:	rue Lankheck 35		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	74799 E	90113 N	233.30
<b>Measurements</b>			
Start:	17/04/20 21:20		
Finish:	15/06/20 20:40		
<b>Point description</b>			
Microphone height:	2.0		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			


UTC+02:00																																	
	Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020	
Heure	32.7	33.9	32.4	33.9	32.1	42.5	35.4	44.6	32.5	33.1	36.3	46.4	33.6	31.8	33.4	34.9	32.9	40.0	43.2	43.7	35.7	35.0	32.7			34.5	37.9	50.1	33.0	42.3	36.4	44.5	
0-1	32.5	34.8	31.6	32.2	32.2	33.7	32.1	44.5	43.9	39.0	36.9	32.4	46.5	47.8	31.8	35.0	32.9	32.2	31.8	34.3	33.2	51.7	29.5			44.2	37.3	42.8	33.0	33.9	36.9	34.9	
1-2	32.6	32.2	32.0	32.4	32.3	32.8	32.3	32.4	32.9	32.5	41.6	32.0	32.3	31.4	31.7	31.9	32.8	32.3	32.1	32.9	33.0	53.8	27.0			40.6	34.0	35.0	32.0	33.9	34.5	44.9	
2-3	33.8	33.8	33.6	33.6	42.2	32.3	31.5	32.7	32.4	39.7	39.2	34.2	32.3	31.3	31.8	32.1	45.4	33.0	32.9	31.9	47.4	48.0	26.6			45.6	53.3	33.8	32.9	32.9	35.1	32.6	
3-4	44.6	46.0	33.4	36.1	34.3	34.2	32.1	33.7	34.0	32.7	41.8	35.3	34.8	31.5	32.5	34.4	34.6	35.1	39.2	33.0	36.7	47.4	28.5			41.5	44.7	35.2	38.0	42.6	40.0	36.9	
4-5	47.6	49.2	49.3	42.9	43.3	42.0	42.6	46.1	42.5	47.1	52.8	44.4	42.6	45.1	46.9	51.8	48.5	49.9	53.0	45.6	45.3	54.3	35.8			49.6	51.1	45.2	43.8	50.3	52.1	47.1	
5-6	52.5	50.5	52.8	53.5	51.7	51.5	54.5	51.7	51.2	50.9	48.7	45.1	46.4	45.6	48.5	55.1	54.6	54.1	51.7	40.8	44.0	56.6	44.2			52.5	43.6	40.9	51.2	51.5	52.2	41.7	
6-7	54.4	58.1	53.3	53.1	59.1	47.8	44.3	54.3	50.7	50.3	57.2	51.7	49.7	41.5	51.6	56.0	55.3	57.5	57.7	49.1	40.1	58.5	49.8			54.4	49.5	43.5	52.8	53.4	56.2	49.4	
7-8	56.2	54.8	55.7	64.5	49.1	55.5	44.6	51.1	52.1	54.5	56.4	47.1	58.1	41.6	56.8	56.4	59.0	58.1	61.8	48.7	49.3	57.3	50.5			53.1	56.0	50.2	58.1	56.0	54.5	49.2	
8-9	50.8	49.4	51.9	49.0	51.5	53.1	43.0	50.1	48.8	50.9	55.7	48.7	53.7	46.0	53.9	52.7	61.9	57.5	54.9	49.8	50.8	57.5	59.1			55.5	60.4	48.9	53.5	55.0	53.4	43.7	
9-10	52.0	50.5	52.3	59.0	52.3	51.3	49.5	53.8	52.7	51.0	54.7	54.8	51.3	50.7	56.3	55.9	57.9	55.0	55.5	50.0	45.4	57.6	55.0			52.0	56.0	49.6	52.2	54.1	52.3	51.7	
10-11	52.6	48.1	58.8	62.7	52.8	52.3	48.6	48.4	54.4	57.8	52.0	51.3	52.3	52.2	54.9	57.0	57.2	53.4	54.6	51.1	48.7	61.2	54.6			54.5	57.9	55.5	48.1	51.7	55.0	51.7	
11-12	53.8	52.6	46.3	49.3	53.0	52.7	49.0	48.6	57.2	53.9	52.1	50.6	55.5	51.7	56.8	52.3	58.4	56.8	56.6	51.3	50.8	58.7	53.0			52.5	54.0	51.8	54.8	56.3	52.8	54.2	
12-13	53.4	52.4	48.3	51.3	53.6	50.0	48.2	51.6	55.9	52.0	53.9	48.1	54.1	50.2	53.4	54.8	58.7	55.7	52.3	49.7	50.8	57.3	54.7			53.0	52.3	49.3	56.7	53.6	52.2	49.3	
13-14	55.0	52.7	53.0	51.2	54.3	52.3	51.9	52.0	56.0	55.8	54.7	46.1	53.8	49.5	56.0	57.3	54.4	57.1	52.5	48.2	51.9	58.3	53.3			54.4	51.6	62.1	54.3	55.0	54.7	47.8	
14-15	57.6	54.7	46.7	48.6	55.4	50.7	50.9	54.5	50.9	52.4	56.9	50.7	54.6	50.2	53.4	52.5	57.6	56.0	57.5	52.6	54.2	58.6	63.0			55.3	53.3	47.9	51.7	55.2	52.1	53.8	
15-16	53.9	54.6	53.4	53.6	52.7	52.6	51.0	54.2	52.0	53.7	58.5	40.5	60.9	52.8	56.6	52.1	55.9	57.0	57.4	51.2	47.9	63.0	53.2			54.6	55.8	55.8	51.8	56.4	53.8	55.7	
16-17	55.8	50.0	54.6	53.7	56.2	52.0	49.6	54.9	50.9	51.9	59.5	52.9	53.3	52.9	54.2	54.5	54.1	53.0	54.9	51.9	49.0	55.9	50.9			57.8	52.5	49.1	56.0	52.6	52.7	50.1	
17-18	52.3	49.9	48.4	55.0	50.7	60.2	46.6	50.5	50.5	51.5	54.2	55.1	48.9	52.4	54.6	55.9	54.4	53.8	53.4	52.0	49.4	53.5	46.0			52.4	51.5	54.4	54.2	56.1	55.2	51.9	
18-19	51.3	46.3	43.4	48.6	52.3	55.2	49.1	53.8	55.6	48.2	49.5	54.6	52.4	52.9	50.5	51.6	53.6	51.7	49.6	50.2	52.0	60.6	49.1			49.2	57.4	52.8	53.7	53.2	54.9	51.8	
19-20	46.9	44.3	46.2	55.3	48.9	46.5	51.6	48.4	45.4	52.0	48.4	49.6	45.5	39.6	45.0	48.9	49.8	49.5	46.3	50.5	47.0	51.4	38.2			52.0	51.3	50.5	52.5	51.8	48.8	50.5	
20-21	40.7	37.4	46.1	45.4	43.9	44.6	42.0	37.4	43.9	46.4	55.9	50.5	48.6	42.8	55.4	45.9	50.1	47.1	48.2	45.6	42.7	55.8	44.3			50.2	49.7	48.2	44.7	46.8	46.7	51.6	
21-22	38.2	43.3	35.8	39.3	47.6	35.7	43.7	41.3	51.8	51.8	52.2	46.2	48.6	34.1	46.7	45.8	37.4	35.0	38.9	36.4	38.0	46.0	41.6			45.0	51.9	46.2	39.5	45.8	46.7	48.3	
22-23	37.0	34.0	38.5	33.4	42.1	33.6	33.2	42.0	44.6	40.0	45.3	36.4	41.1	32.3	34.7	36.5	42.2	33.5	46.9	46.8	41.6	44.1	27.1			48.3	51.6	45.0	45.1	49.8	44.1	52.7	
23-24	54.4	53.2	53.4	57.6	54.2	53.8	48.9	52.5	53.4	53.6	56.1	51.2	55.2	50.5	55.1	55.2	57.7	56.2	56.6	50.7	50.0	58.7	55.9			54.4	55.3	54.4	54.4	54.9	53.9	51.7	
Σ <sub>Day</sub>	47.0	43.9	44.3	50.5	49.2	50.1	48.2	49.2	51.6	50.2	52.5	51.3	49.5	47.5	51.2	48.8	50.3	48.6	47.2	48.1	47.7	56.3	45.1			49.7	53.7	50.1	50.6	50.5	50.8	50.8	
Σ <sub>Evening</sub>	45.4	44.9	45.7	45.1	44.2	43.6	45.9	45.3	44.2	44.1	46.4	41.7	42.1	42.3	42.2	47.9	47.2	46.7	47.3	42.1	42.5	52.0	36.4			47.3	48.4	44.1	44.0	46.8	46.8	46.0	
Σ <sub>Night</sub>	54.5	53.5	53.9	56.6	54.2	54.0	53.1	53.9	54.4	54.1	56.4	52.7	54.2	51.6	54.6	56.1	57.2	56.1	56.4	51.6	51.5	60.5	53.6			55.6	57.2	54.4	54.5	55.7	55.4	54.3	

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020					
																												Heure	Semaine	Weekend	Sem.+Wk
37.3	47.9	48.1	41.6	43.4	34.2	46.0	46.5	35.7	35.1	44.2	40.3	45.5	53.8	34.1	48.6	50.3	32.8	33.9	33.5	35.3	35.2	54.9	37.4	35.7	36.5	36.7	0-1	42.1	46.5	43.9	
42.8	36.9	40.2	31.8	33.5	32.3	33.9	33.8	45.3	47.8	42.7	43.3	38.5	52.4	43.1	50.8	48.1	44.6	33.8	33.1	36.4	33.0	51.7	47.5	35.2	36.6	34.4	1-2	41.6	45.5	43.2	
33.6	34.8	47.6	32.2	32.4	32.7	33.0	33.3	37.2	49.1	56.3	34.3	34.7	53.5	32.0	49.5	32.6	35.3	45.2	32.9	32.2	32.5	34.9	35.5	33.1	34.2	49.8	2-3	49.5	44.8	51.9	
40.2	46.4	32.0	32.0	35.2	41.2	34.1	34.2	36.2	36.9	34.0	35.5	35.0	45.7	32.2	47.6	34.4	32.9	34.1	36.7	45.2	33.3	35.5	44.4	40.4	38.1	33.4	3-4	39.3	43.7	41.2	
36.1	45.5	40.2	40.1	44.2	38.4	43.2	44.7	39.0	37.5	37.7	43.1	41.3	47.1	40.4	36.7	37.6	44.1	45.5	45.6	37.7	49.0	54.1	38.2	36.3	40.0	38.2	4-5	41.9	43.5	42.5	
47.3	47.4	43.3	48.7	52.2	49.6	52.1	52.0	44.9	47.0	43.7	50.8	49.8	50.5	49.2	41.8	43.1	42.4	51.5	49.2	49.8	48.0	43.1	42.4	52.5	45.9	50.0	5-6	49.6	45.2	48.7	
53.4	50.9	48.3	56.1	52.9	53.2	53.0	53.9	49.8	48.8	41.6	54.1	54.6	56.7	54.5	49.4	38.5	51.9	55.6	49.3	54.3	51.0	50.2	47.4	53.6	54.0	53.9	6-7	52.9	48.4	52.0	
55.2	51.4	43.8	57.4	55.7	58.9	56.7	56.6	50.6	44.7	49.0	61.0	52.7	55.8	55.3	49.2	50.0	57.2	55.5	55.8	64.9	56.8	50.0	43.6	56.2	59.1	54.8	7-8	56.6	48.0	55.3	
54.2	55.3	52.3	55.2	54.0	59.6	57.6	56.7	56.3	52.4	49.9	57.1	54.2	58.0	56.4	52.2	54.4	60.4	53.9	59.3	66.7	58.6	56.9	50.5	60.0	67.4	63.3	8-9	59.0	53.5	57.9	
53.6	57.6	49.8	55.4	54.4	57.4	56.8	53.9	52.4	47.5	43.9	60.6	53.7	54.6	53.8	54.0	55.3	69.1	57.8	61.2	68.3	61.7	61.2	52.5	69.0	66.0	62.2	9-10	60.2	54.6	59.1	
53.4	57.0	51.6	52.5	53.4	60.4	61.1	57.1	56.5	52.5	52.8	59.1	51.4	56.3	56.2	55.8	53.7	61.5	57.2	66.0	56.1	58.7	57.5	53.8	66.5	65.8	61.8	10-11	58.5	53.5	57.5	
56.3	58.2	51.9	54.1	57.1	58.4	63.3	61.5	61.3	54.4	53.1	53.0	56.3	59.4	60.7	59.4	52.9	58.5	59.1	58.3	57.3	56.1	59.3	54.8	74.3	55.0	63.9	11-12	60.9	55.6	59.8	
50.9	50.0	48.6	54.0	53.6	58.9	57.2	68.3	52.8	54.1	50.9	51.9	54.8	55.3	52.8	55.4	53.0	54.4	59.1	55.5	53.9	55.4	53.2	52.1	56.8	55.3	55.6	12-13	56.8	52.4	55.8	
55.3	53.8	48.9	55.1	54.4	60.2	60.2	75.5	54.1	51.5	50.8	60.6	52.9	56.7	56.7	64.6	48.2	56.1	62.8	57.9	57.8	55.9	59.6	52.5	62.5	63.8	59.0	13-14	61.3	55.1	60.1	
55.2	55.9	52.1	53.7	54.1	56.4	54.7	59.4	56.1	49.7	53.3	58.4	56.2	55.9	62.7	64.6	54.1	55.1	64.4	56.0	55.0	53.7	65.3	51.3	64.8	66.0	61.1	14-15	57.8	57.7	57.8	
54.9	60.5	55.2	53.8	53.8	59.5	57.2	59.7	52.0	56.5	50.7	54.1	55.8	59.9	59.7	52.4	57.2	56.6	59.1	57.8	55.6	55.0	59.2	53.5	82.9	60.1	59.4	15-16	67.2	54.8	65.7	
54.5	54.4	52.3	55.7	55.9	55.2	56.5	56.6	53.7	52.7	52.4	54.6	54.8	59.6	56.8	49.0	55.7	55.2	53.6	55.6	56.7	59.4	53.6	54.4	55.2	53.7	59.1	16-17	56.0	54.4	55.6	
54.5	56.2	53.1	54.7	53.3	55.1	56.8	55.5	55.5	52.8	51.6	55.9	54.9	54.7	60.8	58.0	55.4	54.5	62.9	53.7	52.7	57.3	55.0	54.5	54.5	56.6	62.3	17-18	56.0	53.5	55.4	
50.8	54.6	50.4	56.2	56.1	56.0	56.0	55.9	54.7	50.1	52.9	51.0	55.4	58.3	60.3	53.2	54.4	54.0	61.1	61.3	53.5	60.7	55.3	52.0	57.7	54.8	60.4	18-19	55.8	53.4	55.2	
52.7	55.0	51.0	54.8	52.4	59.3	53.3	53.3	49.9	55.2	53.4	55.0	49.8	53.5	54.8	52.5	48.6	53.3	56.6	55.2	56.7	57.6	54.1	52.5	55.3	52.0	61.2	19-20	54.4	53.2	54.1	
49.2	52.6	49.2	52.0	52.3	50.5	50.5	48.1	46.8	45.9	50.8	52.3	52.1	51.5	54.9	54.0	44.2	51.3	48.7	49.9	49.9	53.9	49.9	41.3	50.5	52.3	60.4	20-21	51.5	49.1	50.9	
48.2	47.5	42.0	47.7	50.0	49.8	45.9	44.2	50.5	46.6	51.5	47.3	58.4	52.3	55.2	49.5	49.9	49.4	50.2	45.6	48.3	47.8	50.1	46.2	48.6	43.5		21-22	50.3	47.4	49.6	
51.0	46.9	47.2	43.4	42.5	49.9	44.3	46.5	50.3	50.2	47.3	52.6	57.2	52.8	54.2	52.1	51.4	48.6	48.2	50.9	41.3	47.2	39.0	51.9	47.6	47.6		22-23	48.7	47.8	48.4	
50.3	45.4	33.4	43.9	50.2	45.5	48.4	50.7	52.4	47.5	46.9	50.4	52.2	44.9	47.8	50.4	35.2	45.8	48.3	40.1	48.2	53.5	37.4	51.2	49.0	37.3		23-24	47.0	46.4	46.8	
54.3	56.3	51.5	55.0	54.8	58.4	58.6	66.0	55.6	52.5	51.5	57.6	54.7	57.4	58.7	58.7	54.2	60.7	60.1	59.7	61.7	58.1	59.0	52.8	73.1	62.9	61.0	Z <sub>Day</sub>	60.4	54.3	59.2	
50.6	51.8	48.4	51.3	50.6	54.6	49.9	49.4	49.6	51.1	51.3	52.6	55.7	52.6	54.8	52.3	49.3	51.0	52.4	51.7	52.1	53.7	50.6	49.8	51.6	50.1	57.8	Z <sub>Evening</sub>	51.7	50.0	51.3	
47.2	46.6	44.7	48.2	48.1	46.5	48.0	48.8	46.5	46.2	48.5	48.4	48.9	52.2	47.6	48.4	44.3	45.3	49.1	44.5	47.8	48.0	50.3	45.8	48.0	46.0	47.6	Z <sub>Night</sub>	60.1	45.8	59.6	
55.7	56.4	53.1	56.5	56.3	58.1	57.9	63.6	55.8	54.7	55.8	57.9	57.8	59.7	58.6	58.4	54.2	58.9	59.4	58.0	60.1	58.1	59.1	54.3	70.2	60.6	60.6	Z <sub>GEN</sub>	69.1	55.0	68.7	





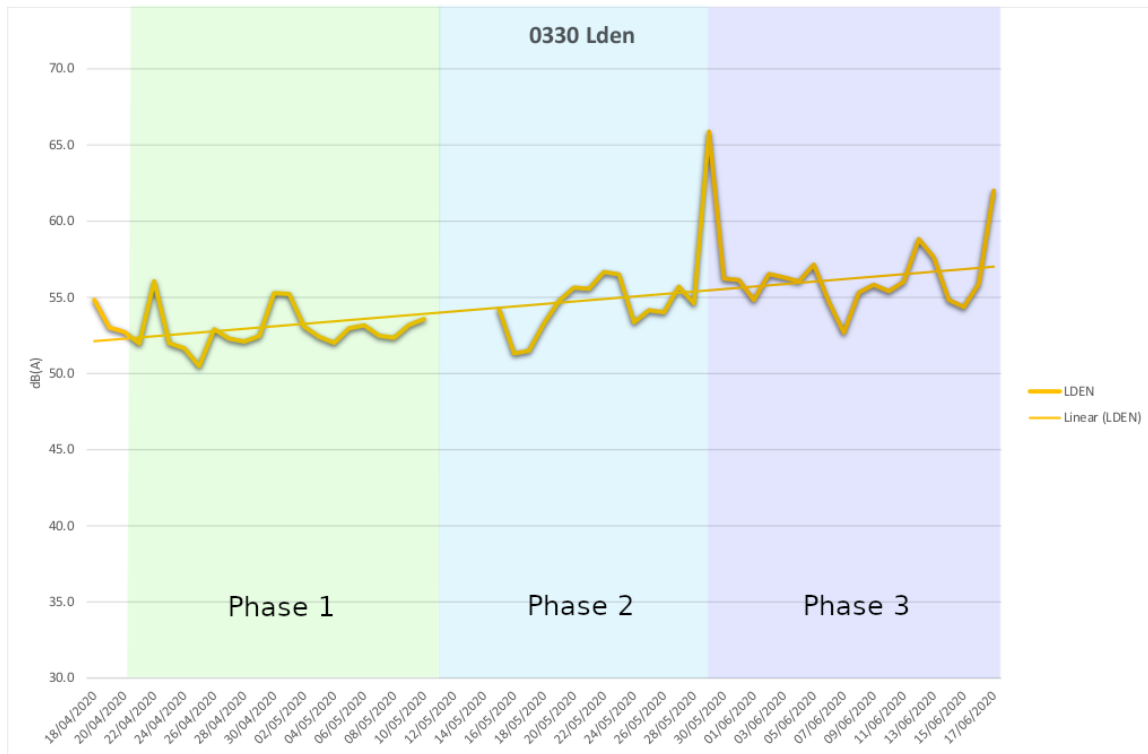
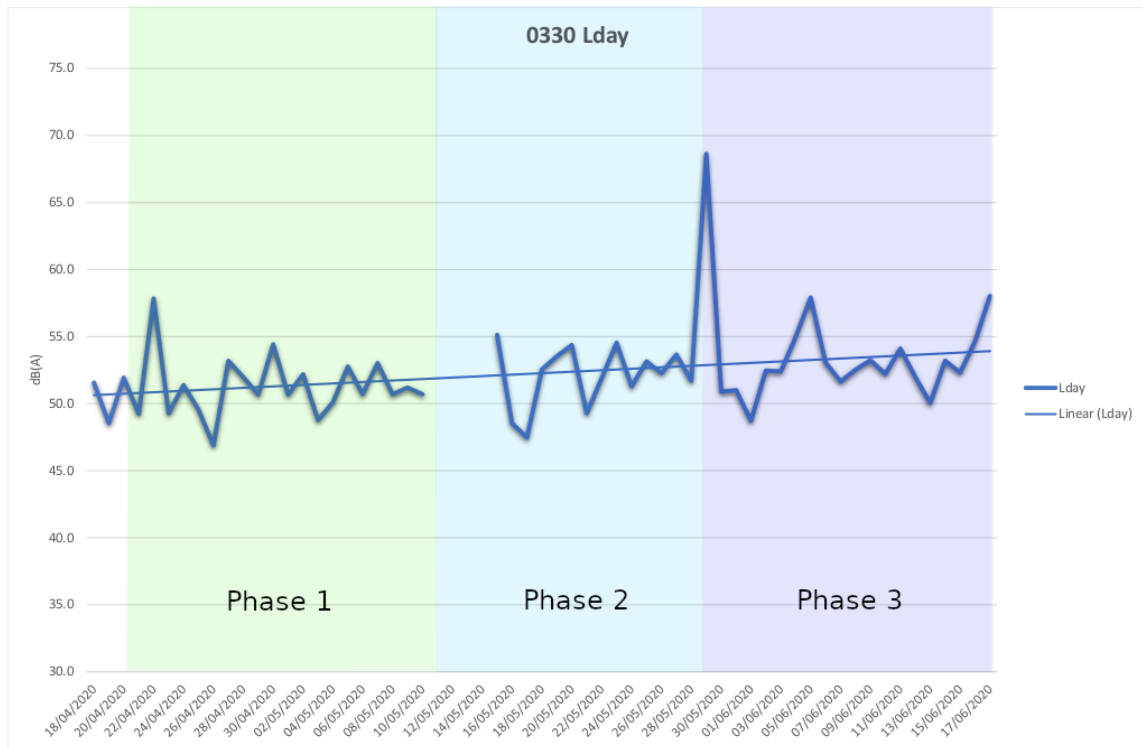


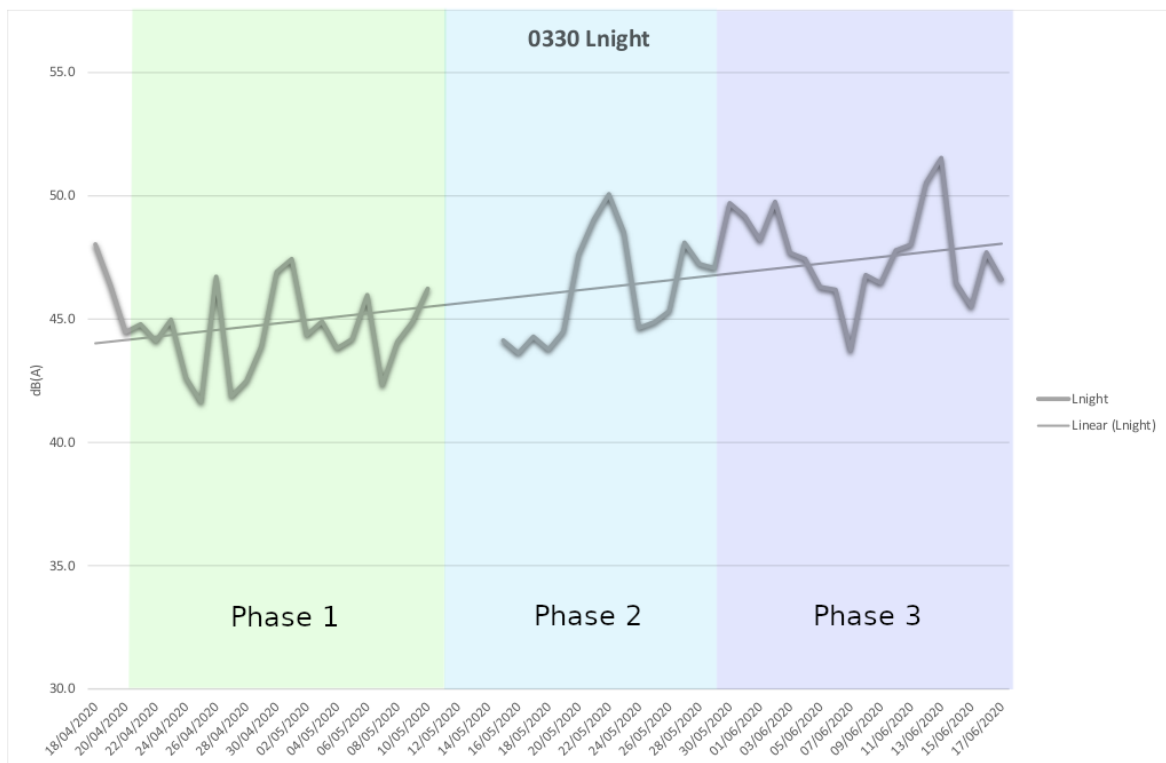
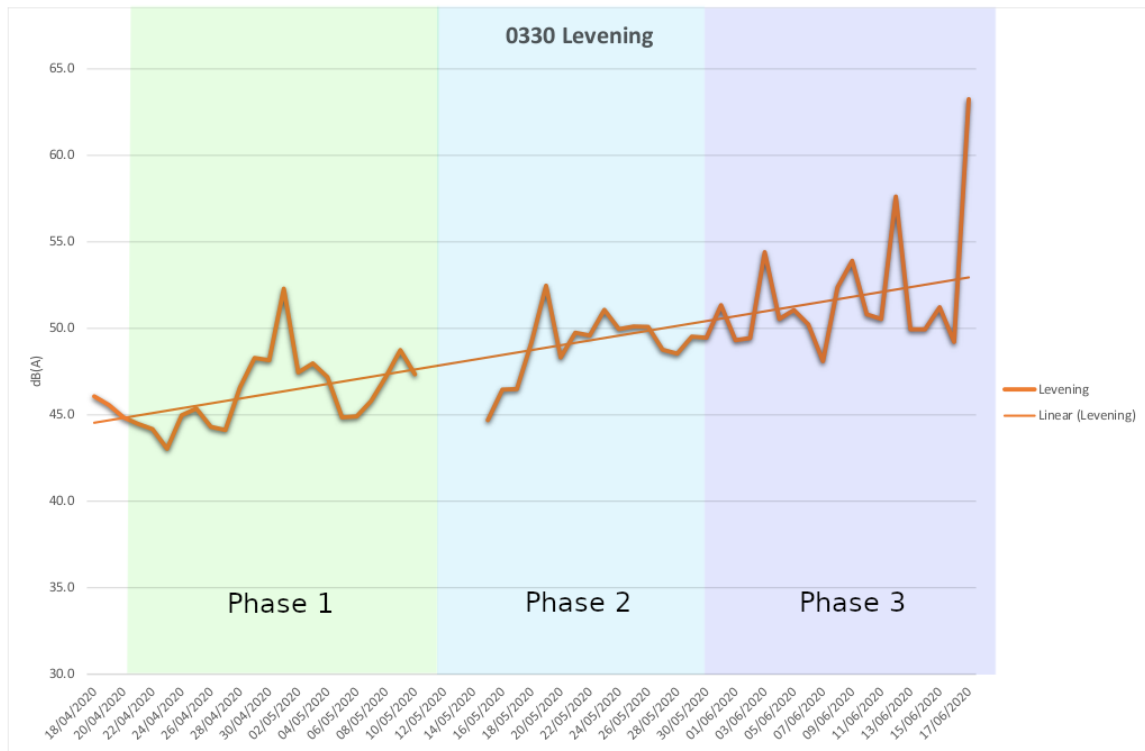
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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Point ID:	0330		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Heisdorf		
Address:	rue des Roses 1B		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	78112 E	82031 N	245.7
<b>Measurements</b>			
Start:	17/04/20 20:20		
Finish:	17/06/20 23:20		
<b>Point description</b>			
Microphone height:	2.0		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			

UTC+02:00																																	
	Lundi 20/04/2020	Mardi 21/04/2020	Mercredi 22/04/2020	Jeudi 23/04/2020	Vendredi 24/04/2020	Samedi 25/04/2020	Dimanche 26/04/2020	Lundi 27/04/2020	Mardi 28/04/2020	Mercredi 29/04/2020	Jeudi 30/04/2020	Vendredi 01/05/2020	Samedi 02/05/2020	Dimanche 03/05/2020	Lundi 04/05/2020	Mardi 05/05/2020	Mercredi 06/05/2020	Jeudi 07/05/2020	Vendredi 08/05/2020	Samedi 09/05/2020	Dimanche 10/05/2020	Lundi 11/05/2020	Mardi 12/05/2020	Mercredi 13/05/2020	Jeudi 14/05/2020	Vendredi 15/05/2020	Samedi 16/05/2020	Dimanche 17/05/2020	Lundi 18/05/2020	Mardi 19/05/2020	Mercredi 20/05/2020	Jeudi 21/05/2020	
Heure																																	
0-1	36.6	36.6	37.1	36.9	36.3	36.5	36.3	36.7	38.7	36.9	43.7	37.4	37.3	36.7	39.0	39.9	39.8	37.7	37.2	42.9	37.1					37.1	44.9	40.3	36.9	38.2	37.6	38.7	
1-2	36.4	36.3	36.2	36.7	36.4	36.9	36.5	36.3	36.9	36.7	38.1	37.2	37.1	37.1	38.5	37.3	38.4	37.0	37.2	46.6	37.0					36.8	37.2	37.2	37.5	38.6	41.9	47.4	
2-3	36.3	36.3	36.4	36.6	36.3	36.2	36.3	38.3	36.6	36.9	40.2	37.1	37.1	36.6	37.0	36.8	36.5	40.2	36.9	40.0	37.0					36.7	44.9	37.5	38.8	37.2	36.7	37.7	
3-4	36.4	36.4	37.9	36.6	36.4	36.2	36.2	36.2	37.1	36.6	41.9	39.7	37.1	36.6	38.5	37.5	36.5	36.5	36.6	36.5	43.9					36.6	36.6	36.7	37.6	36.6	36.7		
4-5	38.0	36.8	38.7	36.9	43.7	40.6	36.2	37.8	38.8	40.1	44.3	44.4	37.9	36.9	37.2	38.2	37.9	40.1	39.8	39.1	42.2					39.8	39.3	42.5	46.9	43.6	49.9	49.5	
5-6	48.3	50.1	48.3	51.9	44.1	43.0	46.7	44.3	46.8	49.0	52.6	54.8	51.4	51.2	49.6	48.5	53.6	48.1	49.6	50.2	50.8					48.8	48.1	46.6	46.1	50.1	51.8	51.2	
6-7	51.0	50.4	50.3	48.3	48.7	47.8	48.0	48.1	47.6	47.8	49.9	48.9	46.9	49.3	47.9	50.0	47.1	45.0	48.4	46.9	51.8					49.3	43.4	50.7	48.3	48.3	52.4	55.2	
7-8	49.5	47.4	48.8	47.3	49.4	49.4	48.7	48.0	48.1	50.9	51.9	54.5	48.3	46.5	48.7	49.0	50.3	51.8	51.0	49.7	48.4					58.5	50.6	49.0	50.6	53.9	53.4	49.3	
8-9	51.8	49.5	52.6	49.2	46.5	49.8	47.9	54.2	47.1	48.3	54.9	45.3	49.1	47.9	51.9	49.7	47.7	53.6	48.0	43.0	47.5					50.2	45.1	46.1	54.8	52.1	54.9	50.2	
9-10	49.8	51.3	64.9	49.8	49.5	47.4	44.2	55.4	44.9	52.3	52.8	49.3	45.5	46.5	50.1	48.7	48.4	52.8	56.1	53.1	47.9					48.9	50.1	47.2	55.0	58.6	52.6	48.9	
10-11	53.8	48.4	49.5	52.3	48.2	48.7	48.2	59.4	48.4	49.4	51.5	53.8	47.4	47.5	52.1	50.9	48.2	58.1	50.4	52.1	46.8					57.7	45.2	43.5	47.1	51.3	51.6	49.2	
11-12	58.9	48.2	47.5	50.4	52.0	53.8	47.7	50.8	53.2	53.7	49.9	50.0	55.0	48.6	50.7	59.6	55.7	53.0	49.4	55.2	46.8					52.8	48.7	47.0	51.1	52.4	54.0	50.9	
12-13	49.7	51.3	49.7	46.3	49.7	53.0	47.5	50.1	55.0	52.2	46.4	50.0	53.5	48.2	48.8	48.6	51.6	50.3	51.2	53.0	50.6					59.6	51.5	50.9	49.5	53.9	57.2	50.6	
13-14	47.3	49.4	65.1	49.8	51.1	48.5	46.7	53.2	54.5	49.0	50.7	49.0	55.5	46.4	48.3	51.0	49.9	48.8	48.1	46.6	47.9					49.2	47.2	43.9	48.5	52.6	50.4	47.4	
14-15	46.1	47.5	52.9	45.7	54.4	48.6	43.7	48.1	54.6	51.1	52.4	51.0	52.0	45.1	47.6	50.4	51.0	55.5	49.5	46.3	51.7					53.4	46.2	44.7	57.7	50.1	54.2	46.4	
15-16	49.8	51.1	45.9	46.6	53.8	43.2	40.9	45.5	50.8	52.0	57.9	47.9	46.7	49.1	50.0	55.8	50.4	48.1	47.4	47.7	55.0					50.7	47.8	45.8	46.9	49.7	53.2	48.3	
16-17	50.5	46.7	49.7	45.9	50.8	48.2	44.2	49.6	53.3	43.9	58.3	48.3	52.2	51.7	49.9	51.4	48.5	47.1	47.4	50.0	50.7					54.4	47.5	49.1	46.1	47.4	56.6	49.6	
17-18	49.9	46.2	46.6	53.4	54.7	46.5	47.8	53.9	53.2	49.0	58.4	51.1	55.6	51.5	50.9	50.2	48.7	54.4	48.1	48.9	54.6					47.2	48.3	49.3	53.9	56.8	56.3	47.7	
18-19	44.8	50.0	50.0	44.3	46.8	47.4	48.8	49.9	46.2	49.2	50.4	49.9	50.7	50.4	49.9	48.2	50.8	48.3	51.9	53.9	49.1					57.7	49.1	46.4	52.2	50.8	52.7	50.6	
19-20	46.5	45.4	42.9	45.4	47.6	44.5	46.3	46.8	50.8	46.8	50.0	53.4	50.6	52.6	51.2	45.3	43.6	47.2	48.4	50.6	50.2						47.2	43.8	44.7	48.4	51.4	51.1	49.9
20-21	43.1	45.1	46.9	42.1	43.9	48.2	44.1	43.9	44.4	51.2	48.3	52.1	46.8	45.5	44.7	44.4	47.9	47.8	49.1	50.5	48.1				50.6	54.3	48.0	50.9	49.3	51.4	54.5	49.9	52.3
21-22	42.0	44.7	42.8	42.3	44.9	44.1	43.5	41.5	43.7	46.8	44.0	54.5	46.3	43.0	43.8	46.4	42.3	44.1	44.1	47.5	45.7					43.6	38.9	40.3	47.3	50.6	54.4	44.4	49.6
22-23	46.2	42.0	42.4	41.2	40.9	42.7	42.2	42.1	40.6	46.3	48.3	42.0	42.2	40.8	44.1	42.3	43.6	41.4	45.1	42.1	40.0					45.9	39.3	42.6	40.0	41.1	40.2	42.6	42.4
23-24	37.9	38.5	37.2	37.5	37.1	38.5	53.9	37.7	38.7	44.5	45.1	40.6	37.4	38.6	38.3	39.4	37.7	37.1	41.9	37.7	38.4					37.7	42.5	42.5	38.1	39.8	39.5	40.8	43.5
Σ <sub>Day</sub>	51.9	49.2	57.8	49.3	51.4	49.6	46.9	53.2	52.0	50.7	54.4	50.7	52.2	48.8	50.1	52.8	50.7	53.0	50.7	51.2	50.7					55.1	48.5	47.5	52.6	53.5	54.4	49.3	
Σ <sub>Evening</sub>	44.9	44.5	44.2	43.0	45.0	45.4	44.3	44.1	46.6	48.3	48.2	52.3	47.5	48.0	47.2	44.9	44.9	45.8	47.2	48.7	47.3					44.7	46.5	46.5	49.2	52.5	48.3	49.8	
Σ <sub>Night</sub>	44.5	44.8	44.1	45.0	42.6	41.6	46.7	41.9	42.5	43.9	46.9	47.4	44.4	44.9	43.8	44.2	46.0	42.3	44.1	44.9	46.2					44.1	43.6	44.3	43.8	44.5	47.7	49.1	
I <sub>DEN</sub>	52.7	52.0	56.1	52.0	51.7	50.5	52.9	52.3	52.1	52.5	55.3	55.2	53.1	52.4	52.0	53.0	53.2	52.5	52.3	53.2	53.6					54.2	51.3	51.5	53.3	54.8	55.6	55.6	

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020	Semaine		Weekend	Sem.+Wk	
40.0	45.3	47.9	42.1	36.7	37.2	41.4	38.5	42.6	43.9	39.3	39.9	41.0	44.2	45.3	45.7	37.7	36.6	37.1	36.8	37.3	37.4	52.8	37.2	36.9	41.1	37.0	0-1	39.3	44.2	41.5	
41.6	36.8	36.7	37.8	37.2	36.7	38.6	37.0	39.4	38.2	41.0	37.3	43.2	49.1	38.0	37.3	37.1	36.4	36.5	36.9	36.3	37.9	51.9	39.7	38.5	36.9	36.5	1-2	39.8	42.1	40.7	
36.7	37.1	36.8	36.5	36.6	36.6	36.9	37.5	36.9	37.1	57.3	37.6	39.0	45.3	48.3	36.9	36.7	36.4	36.6	37.2	36.2	36.3	37.1	36.8	37.7	36.5	36.4	2-3	49.5	46.0	51.9	
36.7	41.5	37.0	36.5	38.9	36.6	36.8	37.4	36.8	37.1	36.7	50.5	40.9	47.8	36.7	37.2	39.1	36.4	38.1	38.0	43.6	36.7	36.7	36.5	36.6	36.2	3-4	40.1	38.1	39.5		
50.5	52.5	44.2	47.4	47.4	48.5	51.8	53.5	54.9	55.9	53.2	55.7	52.7	49.1	50.1	43.0	48.6	53.2	51.4	54.1	52.8	54.5	50.1	52.3	52.2	54.6	51.8	4-5	49.8	48.8	49.5	
50.6	52.5	48.9	49.5	49.4	51.8	51.4	49.9	54.6	51.3	52.9	52.1	51.9	49.9	48.4	52.6	48.0	48.3	48.4	48.3	53.2	52.0	58.0	49.5	45.3	46.5	48.5	5-6	50.3	51.6	50.8	
57.3	51.2	46.8	48.2	50.0	54.2	49.2	47.3	49.1	48.9	48.7	47.5	48.0	47.5	47.1	47.8	43.8	45.6	50.8	49.2	47.9	48.1	46.1	48.1	45.6	50.2	51.0	6-7	50.0	49.5	49.9	
51.0	50.0	51.6	56.2	52.8	59.4	52.7	58.1	52.5	52.6	52.2	52.2	53.2	56.9	59.4	53.6	53.2	56.5	56.3	55.5	56.6	55.8	54.0	53.6	56.9	55.5	55.3	7-8	54.3	52.2	53.8	
49.6	52.5	49.1	52.6	53.3	53.3	51.5	61.8	50.3	56.4	49.1	51.0	45.9	54.6	63.9	51.2	56.7	50.7	53.2	52.8	51.7	51.8	46.7	53.9	50.1	56.3	52.9	8-9	54.0	51.0	53.2	
46.7	55.7	53.9	54.1	51.7	50.9	52.7	58.8	54.3	43.6	45.9	52.2	54.6	50.0	53.9	52.3	55.0	49.9	53.5	50.6	58.1	51.3	49.3	57.9	54.0	49.8	50.7	9-10	54.3	52.0	53.7	
53.7	56.9	51.5	54.0	52.9	51.4	50.8	49.8	50.8	48.4	47.0	44.8	46.7	58.9	51.2	53.2	47.7	50.5	50.5	50.9	56.2	49.2	49.0	51.4	51.1	51.3	48.7	10-11	52.8	50.4	52.2	
53.6	52.7	50.4	54.9	51.2	49.8	52.0	79.2	53.6	50.3	46.5	49.5	48.1	53.4	58.7	52.0	49.3	50.5	51.8	50.8	50.8	49.4	51.2	50.4	49.9	51.0	58.9	11-12	63.7	51.3	62.2	
52.3	54.8	53.8	54.2	54.1	55.7	54.1	56.1	52.1	52.0	50.5	60.0	52.7	54.4	54.6	54.9	53.6	55.1	55.9	54.4	55.3	55.2	54.2	55.5	55.0	56.7	56.2	12-13	54.1	52.6	53.7	
52.2	56.7	47.3	51.6	53.9	54.6	53.1	52.6	49.5	40.8	43.6	49.5	47.7	57.1	58.4	57.0	48.1	56.8	53.9	50.9	53.3	50.3	50.5	50.1	52.4	61.1	59.6	13-14	54.7	51.1	53.8	
51.1	50.0	51.1	52.9	52.7	50.9	50.6	47.3	44.7	46.3	47.3	50.8	51.6	52.2	54.7	51.5	45.5	49.9	54.1	50.6	53.2	50.1	49.1	48.2	50.8	51.8	62.0	14-15	52.9	48.5	51.9	
51.5	49.9	47.9	50.9	49.2	47.1	44.3	51.6	50.6	45.1	46.2	47.1	53.3	57.4	58.2	47.8	47.0	49.8	52.9	52.9	50.9	51.4	46.7	56.0	49.3	52.6	55.6	15-16	52.0	49.8	51.5	
54.8	51.9	51.2	51.0	49.6	51.9	50.7	48.4	47.4	50.1	50.3	50.5	58.5	53.3	57.3	52.1	43.5	49.0	49.4	50.3	51.0	46.8	44.7	52.0	47.6	48.6	57.6	16-17	52.2	50.0	51.6	
50.4	58.0	51.4	51.7	50.0	54.9	52.4	46.7	46.3	49.7	48.6	47.4	49.4	49.9	48.8	54.6	50.6	50.1	49.9	52.8	48.1	53.7	47.1	46.1	51.4	49.2	62.1	17-18	53.0	51.7	52.6	
50.8	55.4	51.7	48.3	52.7	46.7	49.8	52.8	48.6	54.0	50.2	50.8	45.8	49.8	56.0	48.1	49.7	49.2	51.4	49.8	53.7	49.7	45.2	46.8	49.1	50.7	58.1	18-19	51.4	50.5	51.1	
50.9	47.4	50.3	45.8	52.2	45.9	48.4	49.3	44.1	52.5	50.6	49.3	47.1	48.1	51.6	45.2	48.3	53.0	54.1	51.8	50.2	62.9	50.6	46.4	52.7	49.1	65.5	19-20	53.6	48.9	52.6	
51.8	52.9	53.0	49.6	52.2	51.1	51.8	51.7	52.1	53.0	50.0	51.9	54.0	53.3	53.5	54.6	51.8	56.2	57.0	52.8	54.2	54.5	53.2	54.0	54.8	52.8	66.7	20-21	54.2	51.1	53.4	
48.3	53.9	47.5	54.2	48.1	50.3	46.7	49.5	45.6	50.5	48.3	47.7	58.5	50.6	49.8	48.1	42.8	44.8	52.8	50.8	48.0	47.8	45.6	47.2	43.0	47.3	47.2	21-22	49.4	47.2	48.8	
43.0	42.4	45.0	42.0	40.1	44.0	42.5	45.3	51.1	47.4	47.8	47.1	49.5	47.5	46.8	45.5	43.4	46.2	45.1	43.0	43.5	45.9	45.1	47.0	43.2	39.8	50.0	22-23	44.7	44.6	44.7	
39.1	43.7	37.6	37.6	39.4	40.1	42.9	39.1	44.1	43.3	43.4	45.1	40.8	38.8	38.1	42.9	37.3	47.0	38.7	47.1	39.2	55.8	41.0	37.3	44.2	37.6		23-24	43.7	43.8	43.7	
51.9	54.5	51.3	53.2	52.3	53.7	51.7	68.6	50.9	51.0	48.7	52.5	52.4	55.0	57.9	53.1	51.6	52.5	53.2	52.2	54.1	52.0	50.0	53.2	52.3	54.7	58.0		Z <sub>Day</sub>	56.0	51.1	54.9
49.6	51.1	50.0	50.1	50.1	48.8	48.5	49.5	49.5	51.3	49.3	49.4	54.4	50.5	51.1	50.2	48.1	52.4	53.9	50.8	50.5	57.6	49.9	49.9	51.2	49.2	63.3	Z <sub>Evening</sub>	51.8	48.6	51.0	
50.1	48.5	44.6	44.9	45.3	48.1	47.2	47.1	49.7	49.2	51.2	49.8	47.7	47.4	46.3	46.2	43.7	46.8	46.5	47.8	48.0	50.5	51.5	46.5	45.5	47.7	46.6	Z <sub>Night</sub>	60.1	47.2	59.6	
56.7	56.5	53.4	54.1	54.0	55.7	54.6	65.9	56.2	56.1	57.2	56.5	56.3	56.0	57.1	54.7	52.7	55.3	55.8	55.4	56.0	58.8	57.6	54.8	54.4	55.9	62.0	L <sub>GEN</sub>	69.1	54.4	68.7	





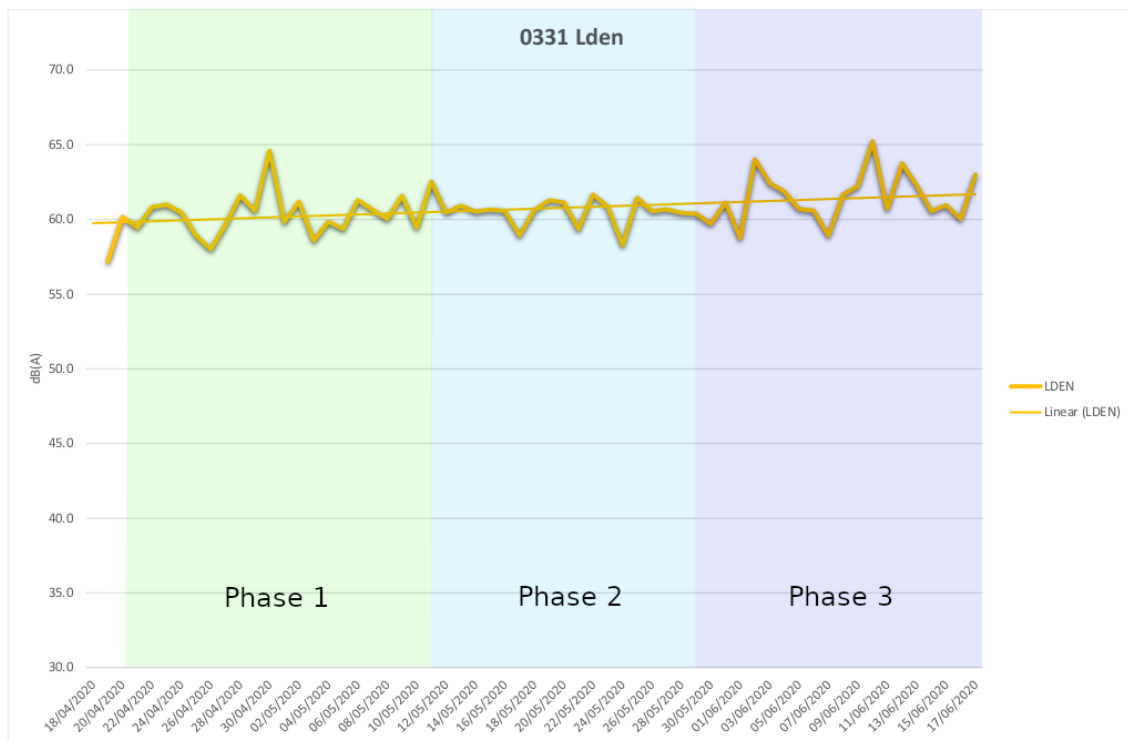
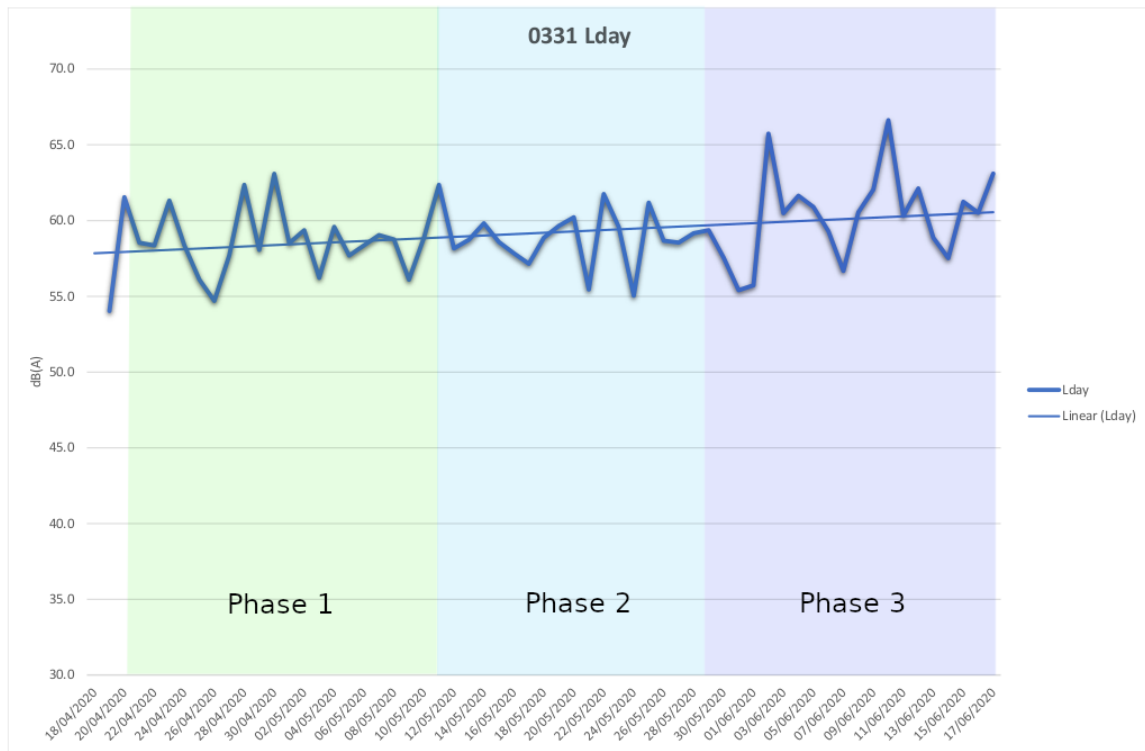
 <b>SCHROEDER &amp; ASSOCIÉS</b> ENGINEERING THE FUTURE TOGETHER	<b>MEASURING POINTS INFORMATION</b> <b>ISO 1996-2:2017</b>	<b>1 / 1</b>
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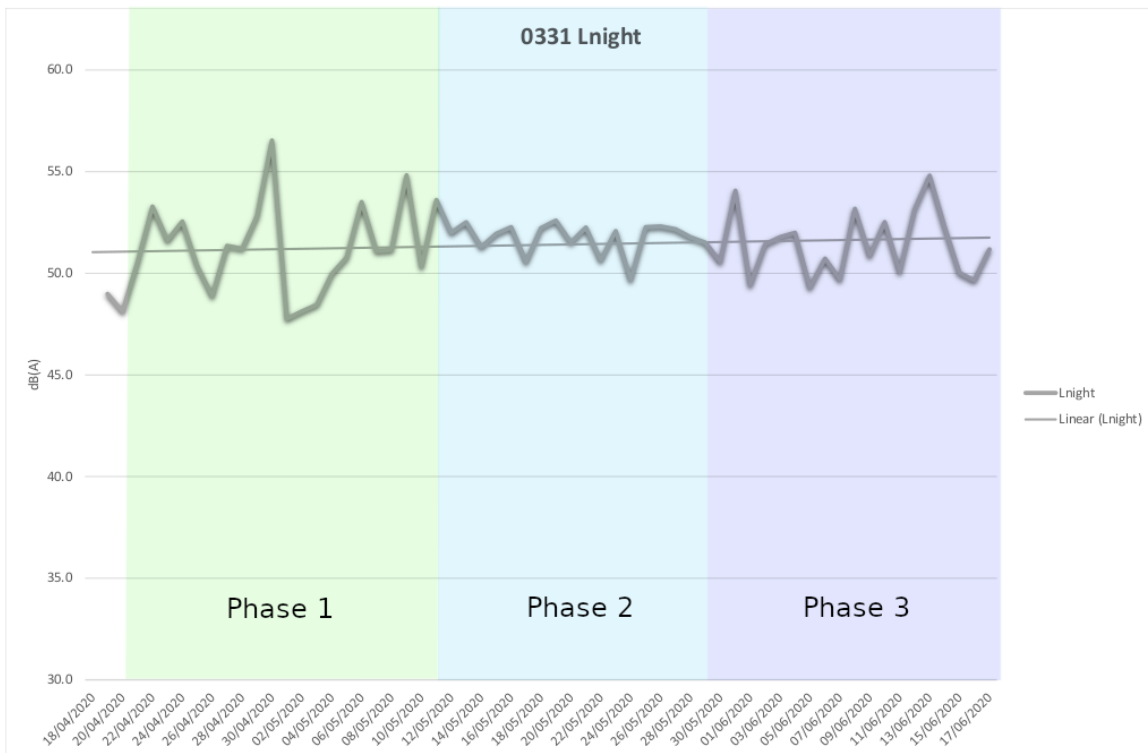
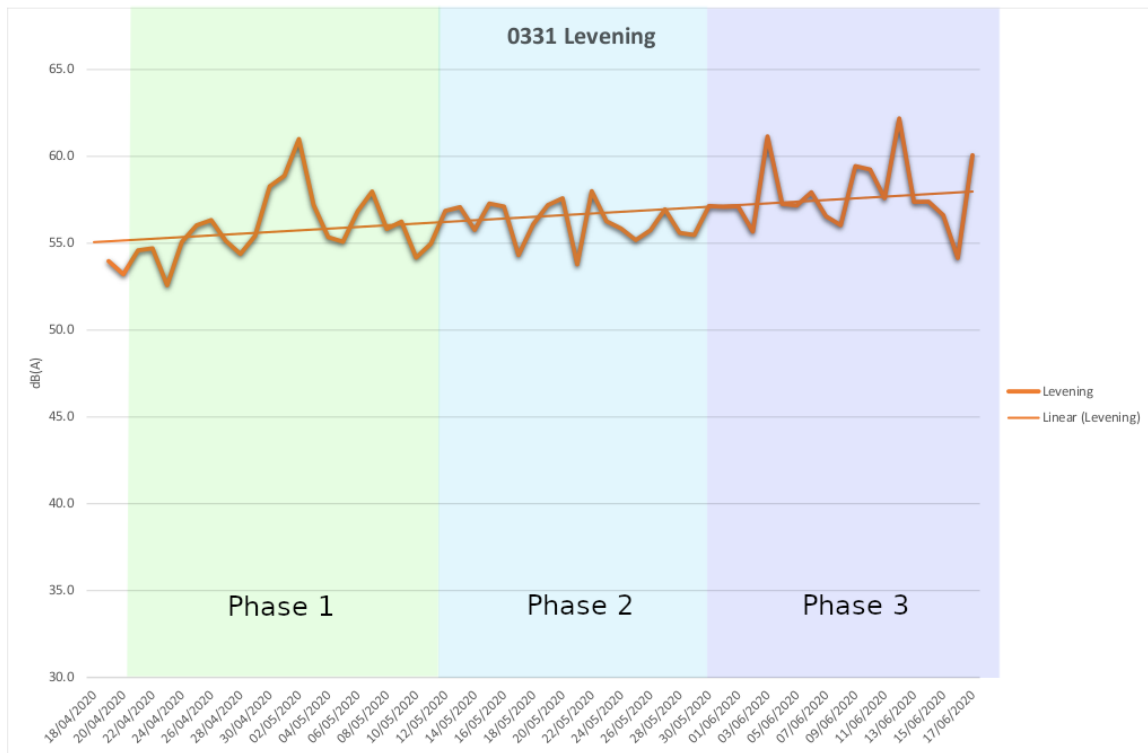
Point ID:	0331		
Sound Level Meter reference:	-		
Modem reference:	-		
Calibration:	After measurement	Before measurement	
	94.0 dB		
Town:	Ettelbrück		
Address:	rue Pierre Wiser 46		
Positions WGS 84	Lat deg_min_sec_ms	Lon deg_min_sec_ms	Altitude (m)
LUREF	X (m)	Y (m)	Z (m)
	74994 E	11554 N	202.0
<b>Measurements</b>			
Start:	18/04/20 19:10		
Finish:	17/06/20 23:20		
<b>Point description</b>			
Microphone height:	3.0		
Dist. to façade or reflecting surface:			
Type of building:			
<b>Event counting</b>			
Start:			
Finish:			
Total time:			
<b>Type of event</b>	<b>Total amount</b>		
Other:			
<b>Remarks</b>			



IP0331 UTC+02:00																																	
		Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche	Lundi	Mardi	Mercredi	Jeudi
		20/04/2020	21/04/2020	22/04/2020	23/04/2020	24/04/2020	25/04/2020	26/04/2020	27/04/2020	28/04/2020	29/04/2020	30/04/2020	01/05/2020	02/05/2020	03/05/2020	04/05/2020	05/05/2020	06/05/2020	07/05/2020	08/05/2020	09/05/2020	10/05/2020	11/05/2020	12/05/2020	13/05/2020	14/05/2020	15/05/2020	16/05/2020	17/05/2020	18/05/2020	19/05/2020	20/05/2020	21/05/2020
Heure																																	
0-1		37.6	46.3	35.2	47.5	49.5	36.0	49.5	39.6	49.4	34.1	49.7	42.8	34.1	47.1	36.8	36.7	49.2	36.3	38.0	51.0	42.6	41.5	48.2	50.6	52.4	45.4	44.3	47.7	50.1	44.5	35.4	50.8
1-2		36.8	44.8	49.5	34.2	33.7	33.6	33.3	45.2	33.2	36.6	54.0	33.5	49.9	33.9	44.6	33.5	36.5	36.6	33.6	45.6	46.2	37.2	33.8	45.5	33.6	39.0	49.4	54.5	47.5	34.4	48.3	46.6
2-3		39.8	37.2	34.0	34.1	46.3	33.9	38.4	34.8	46.6	46.5	52.8	41.7	34.2	47.8	33.5	34.8	48.9	50.5	33.9	53.8	49.3	60.3	48.9	47.9	33.8	38.1	55.1	37.8	38.1	50.7	50.3	50.7
3-4		47.3	46.0	52.2	56.0	50.1	33.8	51.1	35.8	33.5	36.1	57.2	45.0	38.5	44.6	46.7	33.5	34.3	46.7	46.2	33.1	48.2	46.4	35.8	40.3	35.0	48.8	33.0	45.4	46.7	49.5	34.9	42.0
4-5		35.2	48.2	36.0	35.7	49.7	37.4	37.5	53.5	49.4	49.7	58.3	47.9	50.2	50.0	43.1	49.5	39.7	48.7	52.4	57.7	40.6	45.4	48.5	49.9	39.0	50.0	41.1	48.2	44.0	38.3	53.2	54.5
5-6		52.0	53.5	58.5	53.5	56.8	56.4	52.2	52.8	55.2	58.3	60.5	44.9	50.4	54.0	51.8	52.0	59.8	54.3	52.7	60.3	55.3	59.3	54.7	50.9	56.1	53.9	53.5	49.4	52.8	50.5	50.7	53.9
6-7		54.1	56.2	58.0	56.7	57.4	54.7	51.8	57.8	55.2	55.8	58.7	49.0	51.2	45.2	57.0	58.1	57.0	56.5	57.1	52.8	54.1	57.5	58.4	59.0	55.8	58.0	57.1	52.5	59.2	57.9	57.2	55.5
7-8		55.0	55.7	58.8	57.3	58.7	56.9	54.8	57.3	57.4	57.4	63.0	55.2	52.9	52.0	57.5	57.0	56.7	62.6	56.6	53.5	49.9	64.2	58.4	59.7	62.2	59.5	56.5	55.8	60.3	58.5	57.5	50.4
8-9		54.5	54.6	58.2	60.2	60.3	56.0	54.4	55.8	57.4	59.7	65.9	45.2	60.6	58.8	51.9	57.6	56.6	60.1	57.5	51.5	52.3	60.4	55.4	58.4	58.0	59.4	58.4	51.7	58.8	65.2	57.7	49.6
9-10		60.6	54.7	56.6	62.6	61.0	55.3	56.9	56.5	58.4	56.1	61.9	53.8	58.2	53.9	60.5	55.6	59.1	59.4	57.1	57.7	54.9	58.5	59.5	56.9	59.8	57.4	57.4	54.0	58.9	59.7	59.5	54.8
10-11		59.9	58.4	56.8	63.5	58.7	54.6	54.5	57.8	63.3	55.5	66.2	61.1	59.9	55.4	58.0	58.2	56.2	57.8	59.9	59.3	55.0	59.7	57.1	58.7	63.1	59.2	58.5	56.6	57.2	59.0	57.3	56.6
11-12		60.2	56.7	54.9	65.1	58.3	55.2	56.2	55.6	62.0	61.0	59.2	60.9	58.6	57.2	59.9	56.3	59.8	60.6	58.2	57.2	56.4	61.8	60.2	57.7	58.5	60.5	57.7	55.6	57.4	56.8	60.0	56.8
12-13		55.0	58.2	57.3	58.6	56.0	55.9	55.7	57.0	61.7	57.4	58.8	56.0	59.9	56.7	57.4	60.3	57.4	57.4	62.8	56.0	57.7	58.1	58.4	62.2	56.8	56.7	58.6	60.4	61.1	58.2	60.1	54.1
13-14		65.5	58.1	53.6	63.0	54.5	54.4	51.3	57.3	69.6	56.6	57.9	54.3	61.9	56.9	62.8	58.0	60.6	56.5	55.9	57.8	59.2	68.6	57.0	58.2	58.1	57.2	54.2	55.3	59.9	60.3	56.1	57.3
14-15		57.8	60.9	59.2	64.1	53.9	55.8	52.3	59.0	60.9	56.4	61.8	56.0	57.7	55.3	62.3	56.6	55.9	58.4	60.2	55.6	64.5	60.8	56.7	57.0	60.7	57.5	57.5	57.7	56.0	59.8	58.9	54.1
15-16		68.8	62.1	63.7	57.6	58.9	55.8	51.5	57.6	59.4	59.3	63.2	56.3	62.3	56.0	57.1	55.7	60.0	56.7	57.2	57.1	59.9	61.8	57.0	59.2	58.7	58.9	58.3	57.0	57.5	56.6	62.1	57.1
16-17		56.9	57.0	58.6	55.3	57.3	56.6	49.1	58.2	58.5	57.7	64.7	60.1	58.8	52.8	61.0	57.3	59.2	59.5	57.6	52.4	59.9	61.5	58.9	58.7	60.1	58.4	59.3	60.7	58.7	57.8	62.9	55.7
17-18		57.1	59.1	57.7	58.9	60.5	57.6	54.6	58.4	60.7	59.2	64.4	61.8	56.5	55.4	58.5	59.7	57.3	58.7	59.4	54.6	57.6	60.1	58.8	57.9	58.7	56.5	55.8	54.4	60.1	57.2	63.7	57.1
18-19		55.6	59.8	55.2	56.2	55.8	57.6	57.7	60.1	57.4	56.8	60.9	61.4	57.9	58.9	59.1	57.3	58.5	56.0	57.1	53.8	60.7	58.3	58.3	57.2	58.6	59.6	59.4	58.1	57.8	57.7	59.4	55.2
19-20		56.1	55.8	55.4	55.1	58.1	57.0	56.2	55.5	57.3	59.1	54.8	63.1	59.0	54.9	57.2	57.9	59.7	55.9	58.7	54.4	56.3	56.5	58.8	58.6	57.5	58.6	56.3	56.9	53.4	58.0	58.6	54.7
20-21		48.9	55.9	56.4	52.5	56.1	56.6	58.9	55.7	55.8	53.6	55.4	54.8	54.0	55.0	54.4	53.6	54.5	60.6	56.4	59.6	55.0	55.5	57.4	57.7	54.3	59.2	60.3	55.9	58.3	59.0	54.6	55.0
21-22		52.8	53.3	52.7	52.2	51.0	53.8	55.7	55.6	50.4	50.9	56.2	58.1	56.5	61.4	54.8	54.7	55.2	52.7	52.7	54.8	52.7	55.2	55.9	57.9	57.2	55.0	51.4	49.7	57.2	52.7	52.4	53.5
22-23		51.9	52.2	53.2	47.8	50.7	56.0	51.6	53.5	48.4	53.6	62.1	49.5	65.5	50.4	54.3	51.6	55.8	59.0	52.0	52.9	50.7	50.7	53.9	50.4	51.6	54.3	56.1	50.3	53.3	56.9	60.4	50.8
23-24		44.3	48.9	49.4	39.8	49.4	50.7	48.2	44.7	52.4	55.0	39.1	53.8	48.1	45.7	46.2	47.4	52.1	48.4	50.8	52.8	46.4	50.9	48.1	52.7	49.8	51.8	52.2	53.1	48.4	56.9	50.0	52.0
Σ <sub>Day</sub>		61.5	58.5	58.4	61.3	58.4	56.1	54.7	57.7	62.4	58.1	63.1	58.5	59.4	56.2	59.6	57.7	58.4	59.0	58.8	56.1	58.9	62.4	58.2	58.7	59.8	58.6	57.8	57.1	58.9	59.6	60.2	55.5
Σ <sub>Evening</sub>		53.2	54.6	54.7	52.6	55.1	56.0	56.3	55.1	54.4	55.4	58.3	58.9	61.0	57.2	55.3	55.1	56.8	58.0	55.8	56.2	54.2	55.0	56.9	57.1	55.8	57.3	57.1	54.3	56.1	57.2	57.6	53.8
Σ <sub>Night</sub>		48.1	50.5	53.3	51.6	52.5	50.4	48.9	51.4	51.2	52.8	56.5	47.8	48.1	48.5	50.0	50.8	53.5	51.1	51.2	54.8	50.3	55.3	52.0	52.5	51.3	51.9	52.3	50.6	52.2	52.6	51.5	52.3
L <sub>DEN</sub>		60.2	59.5	60.8	61.0	60.5	58.9	58.0	59.6	61.6	60.6	64.6	59.8	61.2	58.6	59.9	59.4	61.3	60.6	60.0	61.6	59.5	63.3	60.5	60.9	60.5	60.7	60.6	58.9	60.6	61.3	61.1	59.4

Vendredi 22/05/2020	Samedi 23/05/2020	Dimanche 24/05/2020	Lundi 25/05/2020	Mardi 26/05/2020	Mercredi 27/05/2020	Jeudi 28/05/2020	Vendredi 29/05/2020	Samedi 30/05/2020	Dimanche 31/05/2020	Lundi 01/06/2020	Mardi 02/06/2020	Mercredi 03/06/2020	Jeudi 04/06/2020	Vendredi 05/06/2020	Samedi 06/06/2020	Dimanche 07/06/2020	Lundi 08/06/2020	Mardi 09/06/2020	Mercredi 10/06/2020	Jeudi 11/06/2020	Vendredi 12/06/2020	Samedi 13/06/2020	Dimanche 14/06/2020	Lundi 15/06/2020	Mardi 16/06/2020	Mercredi 17/06/2020					
																												Heure	Semaine	Weekend	Sem.+Wk
45.0	55.3	53.2	33.3	47.3	53.0	49.3	48.4	49.1	51.5	51.9	43.4	47.7	50.6	49.1	43.3	55.4	48.4	52.9	38.2	45.4	49.6	57.4	56.4	48.3	46.7	52.9	0-1	48.1	51.8	49.5	
47.2	47.5	48.0	46.5	50.5	33.3	46.2	43.8	52.0	36.6	36.6	33.2	44.4	48.0	33.7	46.6	33.4	57.5	32.9	36.4	36.7	50.1	56.9	45.8	34.5	45.4	34.0	1-2	46.4	49.2	47.4	
52.3	48.8	48.9	47.6	47.7	50.0	46.6	32.7	33.5	46.9	61.3	33.2	33.6	50.8	47.5	54.2	36.5	37.3	33.4	48.5	46.4	33.2	56.3	36.3	33.2	34.2	46.2	2-3	49.5	49.8	51.9	
33.0	46.8	49.6	49.7	43.8	44.9	34.3	32.8	50.3	53.1	35.3	33.8	35.3	45.4	32.9	49.6	35.7	36.4	48.4	41.5	48.9	34.1	38.2	42.4	49.6	46.4	49.1	3-4	47.4	47.0	47.3	
50.5	49.9	37.8	46.8	53.6	45.0	49.2	44.5	47.7	60.6	46.0	52.2	43.3	53.8	37.4	37.1	44.7	49.1	47.9	46.8	49.9	43.3	47.8	41.2	39.5	40.7	46.8	4-5	49.6	51.4	50.2	
52.3	47.3	47.6	51.8	54.1	51.7	52.6	52.0	52.1	53.0	44.8	48.1	47.2	52.5	45.2	52.0	51.6	54.3	52.9	47.6	53.3	54.6	51.8	52.4	51.8	51.7	52.0	5-6	54.2	53.9	54.1	
54.6	56.6	53.7	58.5	57.9	57.8	57.8	55.7	52.5	50.5	46.8	58.1	57.5	56.0	55.0	54.3	45.2	57.0	55.1	59.1	54.8	55.2	55.4	50.8	56.2	56.0	57.0	6-7	56.9	53.4	56.2	
58.1	55.0	53.0	60.4	58.4	60.3	59.2	57.3	58.5	51.0	47.1	56.8	59.0	57.3	59.8	56.9	52.5	61.6	60.7	60.4	59.9	60.7	58.9	52.1	59.8	61.1	60.7	7-8	59.3	54.9	58.5	
66.7	58.8	47.6	58.0	59.8	57.6	63.3	60.1	52.7	53.6	53.9	60.6	58.5	66.9	59.1	56.3	56.5	59.3	61.1	59.8	63.5	65.6	57.3	53.1	67.6	60.2	59.6	8-9	61.0	56.0	60.1	
64.1	61.7	53.7	57.0	62.0	56.2	58.1	62.9	55.0	50.8	52.2	60.4	60.7	62.3	60.1	55.0	53.5	57.8	59.8	56.8	60.2	60.5	59.0	55.4	60.3	60.7	67.0	9-10	60.0	56.7	59.3	
64.5	61.1	52.4	57.9	59.7	60.4	58.3	62.0	58.6	54.2	53.5	56.6	59.1	59.1	61.5	61.6	56.8	57.6	58.9	58.6	56.9	66.6	59.7	58.8	59.0	56.8	64.8	10-11	60.4	57.9	59.8	
60.3	62.9	57.0	59.3	59.5	56.0	58.8	58.3	59.2	56.5	58.1	57.5	61.0	56.8	59.8	61.2	59.5	60.7	63.1	59.8	59.9	58.2	60.7	59.7	57.5	61.3	63.8	11-12	59.8	58.6	59.5	
60.1	58.2	57.6	62.6	54.9	59.3	58.6	56.9	57.8	55.8	53.7	60.1	60.0	61.2	58.5	60.0	58.5	60.1	60.4	59.5	59.5	60.0	58.3	57.8	56.7	59.6	59.9	12-13	59.1	57.9	58.8	
57.8	58.9	54.5	60.2	54.8	58.7	58.5	56.8	56.2	51.7	53.9	58.0	59.1	59.3	63.0	60.7	54.9	58.5	60.7	59.6	59.8	61.7	57.0	55.3	60.0	58.5	61.0	13-14	60.8	57.0	60.0	
58.3	56.3	56.8	60.4	57.4	58.4	57.4	58.7	55.1	60.0	57.7	75.5	60.6	61.4	60.9	56.5	58.8	60.8	58.2	58.1	58.1	59.1	56.6	59.3	59.4	59.4	59.4	14-15	62.2	58.2	61.4	
60.6	57.8	55.8	63.2	58.2	56.6	57.0	57.2	58.6	56.6	55.5	58.9	60.0	61.0	62.4	59.3	58.1	59.9	62.8	76.4	60.5	62.2	58.6	57.8	60.8	61.4	59.2	15-16	63.2	58.0	62.3	
60.8	58.8	53.8	66.5	59.1	59.3	58.9	59.1	56.7	54.4	55.8	59.9	63.9	61.6	61.6	56.3	55.6	60.6	61.6	63.1	60.9	60.7	57.6	57.5	61.5	63.6	63.3	16-17	60.6	57.0	59.9	
59.2	60.7	55.9	58.5	56.2	59.5	59.2	58.7	59.3	56.3	59.5	61.5	58.9	62.3	61.2	59.4	56.6	64.0	63.9	62.4	61.5	61.9	59.3	59.2	61.0	60.6	65.1	17-18	60.5	57.4	59.8	
58.8	58.3	55.1	59.3	58.6	57.5	58.9	59.2	58.1	54.4	56.6	59.8	58.4	61.3	60.0	58.4	56.4	62.7	65.7	62.0	59.4	59.4	59.6	59.9	58.2	59.2	64.3	18-19	59.5	58.0	59.1	
60.5	57.1	58.5	55.9	57.9	58.2	56.2	55.0	56.8	56.0	55.9	59.2	59.8	58.2	55.7	59.2	58.6	55.6	62.4	63.5	58.3	63.9	57.5	56.5	58.3	54.4	63.1	19-20	58.7	57.1	58.3	
58.2	55.8	55.1	56.1	56.9	55.3	56.5	56.0	57.8	54.1	55.4	54.3	56.2	58.5	58.0	57.4	55.8	55.5	58.5	56.0	59.1	65.2	60.1	58.3	55.2	54.9	62.9	20-21	57.4	57.2	57.3	
57.2	57.2	53.9	55.2	53.1	57.4	56.1	57.4	54.8	59.0	56.1	50.3	64.7	56.8	57.1	58.2	56.9	58.2	57.3	56.1	56.7	56.7	53.3	57.9	56.3	53.9	45.3	21-22	56.1	56.3	56.1	
53.0	54.4	54.1	52.9	52.7	56.4	52.5	51.5	58.3	57.8	59.6	54.4	59.5	54.4	57.6	56.4	53.4	53.4	57.4	55.1	55.4	55.5	55.9	56.6	56.0	53.3	49.3	22-23	55.2	57.0	55.8	
50.1	51.9	38.3	53.7	34.1	53.1	51.9	56.8	52.1	52.3	56.2	53.4	56.8	50.9	52.7	49.6	52.5	52.3	51.2	56.2	46.4	59.1	55.9	57.5	48.3	47.4	42.9	23-24	52.3	51.8	52.2	
61.8	59.6	55.0	61.2	58.7	58.5	59.2	59.4	57.5	55.4	55.7	65.7	60.5	61.6	60.9	59.3	56.7	60.5	62.0	66.6	60.3	62.1	58.9	57.5	61.2	60.5	63.1	Z <sub>Day</sub>	60.7	57.4	60.0	
58.0	56.3	55.8	55.2	55.7	57.0	55.6	55.5	57.1	57.1	57.1	55.7	61.2	57.3	57.2	57.9	56.6	56.0	59.4	59.2	57.6	62.2	57.4	57.4	56.6	54.2	60.1	Z <sub>Evening</sub>	57.0	56.9	57.0	
50.6	52.1	49.7	52.3	52.3	52.2	51.8	51.5	50.6	54.1	54.1	51.4	51.8	52.0	49.3	50.7	49.7	53.2	50.9	52.5	50.1	53.1	54.8	52.3	50.0	49.6	51.2	Z <sub>Night</sub>	60.1	51.5	59.6	
61.7	60.8	58.3	61.4	60.5	60.7	60.4	60.4	59.7	61.1	61.2	64.0	62.4	61.9	60.7	60.6	58.9	61.7	62.2	65.2	60.7	63.8	62.3	60.6	60.9	60.0	63.0	L <sub>GEN</sub>	69.1	60.0	68.7	





## Directions et forces maximales horaires du vent pour Avril 2020

Jour du mois	unité	Heures (TU):																							
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	°	036	036	045	043	039	029	039	032	047	023	350	049	137	099	037	029	060	347	022	352	341	026	033	025
	km/h	16.6	16.6	16.6	14.8	18.4	20.5	16.6	16.6	18.4	25.9	31.3	24.1	24.1	24.1	24.1	24.1	22.3	22.3	14.8	14.8	18.4	22.3	20.5	18.4
02	°	033	045	043	042	023	019	045	336	212	338	316	244	253	267	253	271	291	265	331	320	285	326	305	260
	km/h	18.4	16.6	14.8	16.6	25.9	29.5	16.6	14.8	14.8	22.3	37.1	29.5	33.5	35.3	33.5	38.9	42.5	31.3	29.5	24.1	25.9	27.7	31.3	20.5
03	°	285	277	268	277	282	299	292	303	257	232	285	278	250	275	285	260	203	324	337	316	305	347	337	350
	km/h	24.1	22.3	22.3	24.1	35.3	27.7	35.3	35.3	20.5	24.1	29.5	27.7	31.3	31.3	31.3	29.5	27.7	24.1	31.3	16.6	13.0	25.9	35.3	13.0
04	°	033	068	054	050	355	023	061	351	030	025	074	023	040	331	074	059	091	081	061	080	095	066	061	063
	km/h	16.6	14.8	18.4	18.4	20.5	20.5	18.4	33.5	22.3	20.5	22.3	24.1	22.3	40.7	25.9	24.1	20.5	16.6	14.8	18.4	18.4	20.5	20.5	20.5
05	°	067	049	085	075	090	092	098	097	112	149	120	108	102	126	160	139	157	111	130	098	104	091	097	085
	km/h	22.3	20.5	18.4	16.6	18.4	22.3	24.1	25.9	25.9	31.3	29.5	29.5	33.5	35.3	31.3	29.5	27.7	24.1	16.6	18.4	24.1	22.3	24.1	16.6
06	°	144	135	154	140	168	184	180	175	146	184	198	208	203	243	192	202	222	268	253	298	284	302	329	338
	km/h	14.8	16.6	16.6	16.6	18.4	18.4	22.3	24.1	22.3	27.7	31.3	35.3	33.5	38.9	37.1	35.3	33.5	40.7	18.4	24.1	14.8	33.5	37.1	25.9
07	°	001	012	026	008	040	026	053	063	045	032	046	043	327	140	090	056	070	030	005	063	012	043	008	050
	km/h	25.9	18.4	20.5	24.1	25.9	33.5	22.3	31.3	31.3	31.3	25.9	22.3	27.7	25.9	29.5	27.7	27.7	24.1	22.3	16.6	25.9	18.4	29.5	20.5
08	°	047	063	067	049	054	032	036	047	135	129	160	108	139	113	180	188	208	230	282	247	278	307	315	322
	km/h	20.5	20.5	18.4	20.5	20.5	14.8	14.8	11.2	14.8	24.1	18.4	24.1	24.1	22.3	25.9	22.3	20.5	13.0	14.8	9.4	16.6	18.4	16.6	24.1
09	°	230	298	315	049	343	057	286	012	326	331	054	045	139	326	068	036	028	336	030	037	036	352	030	042
	km/h	9.4	13.0	5.4	7.6	24.1	11.2	13.0	7.6	20.5	9.4	22.3	22.3	22.3	24.1	22.3	25.9	22.3	33.5	25.9	42.5	38.9	37.1	35.3	31.3
10	°	042	050	052	047	059	028	053	012	037	009	338	036	007	354	007	326	039	303	067	054	046	007	074	046
	km/h	29.5	27.7	27.7	24.1	38.9	25.9	29.5	37.1	18.4	20.5	31.3	18.4	24.1	22.3	18.4	25.9	18.4	20.5	9.4	44.3	29.5	35.3	33.5	27.7
11	°	047	046	047	049	008	047	050	351	005	111	352	133	113	208	212	216	181	234	188	194	254	310	132	281
	km/h	24.1	20.5	20.5	20.5	35.3	22.3	24.1	27.7	24.1	22.3	22.3	16.6	22.3	22.3	24.1	22.3	20.5	14.8	9.4	7.6	16.6	27.7	11.2	11.2
12	°	164	208	277	289	317	322	071	101	059	303	082	243	317	250	250	268	323	309	312	343	255	319	285	313
	km/h	7.6	7.6	11.2	11.2	31.3	27.7	11.2	9.4	9.4	18.4	18.4	22.3	59.4	31.3	37.1	40.7	46.4	35.3	13.0	33.5	18.4	38.9	16.6	27.7
13	°	343	180	184	285	326	320	067	068	039	033	011	035	026	021	025	030	019	018	040	045	015	345	023	015
	km/h	18.4	18.4	14.8	9.4	22.3	29.5	20.5	18.4	37.1	35.3	42.5	40.7	44.3	50.0	42.5	44.3	44.3	46.4	38.9	35.3	33.5	35.3	24.1	31.3
14	°	014	029	028	026	021	068	052	018	047	084	081	053	040	092	338	056	063	032	052	015	033	067	026	047
	km/h	37.1	31.3	29.5	27.7	31.3	31.3	25.9	35.3	44.3	38.9	35.3	31.3	31.3	29.5	38.9	40.7	25.9	24.1	22.3	31.3	33.5	35.3	37.1	24.1
15	°	050	040	047	047	046	042	046	064	032	104	136	143	170	099	085	108	081	073	077	081	064	074	082	102
	km/h	18.4	18.4	20.5	20.5	22.3	27.7	27.7	29.5	31.3	27.7	25.9	31.3	29.5	27.7	31.3	29.5	29.5	22.3	18.4	14.8	18.4	18.4	14.8	16.6
16	°	099	098	098	090	080	098	170	163	194	199	201	234	178	206	146	132	234	295	307	306	319	303	320	316
	km/h	20.5	16.6	18.4	13.0	7.6	7.6	13.0	18.4	16.6	14.8	18.4	22.3	24.1	20.5	24.1	18.4	20.5	22.3	35.3	18.4	31.3	22.3	25.9	24.1
17	°	298	323	050	337	360	334	085	075	180	195	109	205	154	248	174	215	198	168	175	156	147	265	307	050
	km/h	7.6	9.4	7.6	9.4	14.8	16.6	9.4	11.2	11.2	14.8	22.3	25.9	22.3	25.9	24.1	24.1	18.4	14.8	13.0	11.2	11.2	13.0	14.8	14.8
18	°	234	229	045	061	050	174	237	254	270	300	289	300	251	289	288	271	248	278	330	313	326	331	341	019
	km/h	14.8	13.0	7.6	13.0	9.4	13.0	11.2	16.6	22.3	40.7	37.1	37.1	48.2	40.7	37.1	31.3	35.3	33.5	31.3	16.6	25.9	42.5	25.9	16.6
19	°	355	037	009	019	357	039	016	061	023	070	327	045	026	016	033	035	060	035	032	042	053	047	056	052
	km/h	37.1	13.0	11.2	11.2	33.5	20.5	27.7	33.5	25.9	27.7	35.3	24.1	29.5	35.3	38.9	35.3	48.2	40.7	42.5	40.7	42.5	33.5	35.3	40.7
20	°	053	046	042	035	045	059	049	053	054	054	045	050	046	053	064	073	073	067	073	082	073	057	046	073
	km/h	37.1	33.5	35.3	38.9	44.3	44.3	46.4	44.3	40.7	48.2	48.2	51.8	53.6	57.2	50.0	50.0	48.2	42.5	37.1	42.5	37.1	37.1	40.7	40.7
21	°	067	063	054	057	066	050	052	054	068	063	061	066	085	064	068	074	071	074	060	075	052	073	066	056
	km/h	44.3	40.7	40.7	38.9	40.7	51.8	55.4	48.2	46.4	50.0	51.8	48.2	46.4	48.2	44.3	46.4	42.5	44.3	38.9	35.3	33.5	37.1	35.3	
22	°	067	061	045	046	046	049	047	060	071	067	068	105	052	036	063	039	042	052	071	077	068	053	025	045
	km/h	33.5	31.3	35.3	40.7	44.3	46.4	44.3	38.9	42.5	46.4	44.3	44.3	50.0	42.5	42.5	44.3	40.7	33.5	27.7	18.4	33.5	27.7	37.1	31.3
23	°	043	040	047	049	035	050	050	054	015	119	067	073	084	078	098	101	008	212	213	247	315	348	129	180
	km/h	29.5	31.3	31.3	29.5	27.7	25.9	27.7	38.9	25.9	20.5	22.3	22.3	27.7	27.7	22.3	20.5	20.5	13.0	11.2	13.0	24.1	11.2	14.8	11.2
24	°																								

## Directions et forces maximales horaires du vent pour Mai 2020

Jour du mois	unité	Heures (TU):																							
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	°	199	181	198	230	240	251	248	247	247	248	260	236	250	240	213	240	210	292	315	196	284	262	262	255
	km/h	24.1	33.5	46.4	37.1	33.5	42.5	35.3	22.3	66.6	35.3	42.5	44.3	53.6	40.7	42.5	40.7	38.9	57.2	35.3	42.5	35.3	37.1	29.5	27.7
02	°	253	233	253	248	227	248	236	260	254	239	250	253	251	281	292	324	262	222	262	300	310	275	296	327
	km/h	24.1	22.3	37.1	37.1	33.5	25.9	31.3	35.3	44.3	44.3	40.7	61.2	37.1	46.4	61.2	44.3	27.7	40.7	27.7	29.5	16.6	7.6	11.2	31.3
03	°	323	241	057	073	255	133	177	168	165	149	185	247	165	168	232	305	215	175	189	226	165	199	255	244
	km/h	13.0	5.4	7.6	5.4	11.2	9.4	9.4	9.4	13.0	18.4	20.5	24.1	25.9	24.1	22.3	22.3	16.6	13.0	11.2	11.2	9.4	13.0	24.1	9.4
04	°	236	234	236	260	246	236	254	277	254	219	234	253	274	309	326	001	009	035	007	054	042	004	001	049
	km/h	9.4	9.4	11.2	7.6	16.6	16.6	18.4	27.7	31.3	38.9	29.5	37.1	22.3	33.5	44.3	25.9	33.5	35.3	37.1	29.5	20.5	33.5	38.9	24.1
05	°	067	052	047	042	029	043	046	042	049	023	025	040	045	043	050	025	067	039	077	039	341	011	036	047
	km/h	20.5	22.3	22.3	22.3	35.3	33.5	37.1	29.5	27.7	31.3	40.7	40.7	31.3	33.5	31.3	29.5	27.7	27.7	31.3	22.3	37.1	35.3	37.1	24.1
06	°	053	036	049	047	050	049	046	037	067	068	087	115	025	060	023	023	043	050	052	037	061	060	066	039
	km/h	24.1	25.9	24.1	24.1	25.9	29.5	24.1	33.5	31.3	37.1	29.5	38.9	33.5	33.5	33.5	24.1	22.3	14.8	11.2	13.0	11.2	11.2	11.2	
07	°	028	360	039	039	039	046	049	350	354	105	061	098	084	082	153	115	127	178	334	334	130	330	347	091
	km/h	13.0	14.8	13.0	16.6	18.4	18.4	18.4	27.7	16.6	20.5	22.3	38.9	20.5	20.5	20.5	14.8	14.8	9.4	18.4	31.3	22.3	31.3	27.7	13.0
08	°	326	358	063	043	022	030	037	341	337	009	330	199	016	329	033	156	026	064	348	039	029	355	056	045
	km/h	13.0	9.4	11.2	11.2	16.6	13.0	16.6	37.1	35.3	24.1	25.9	20.5	18.4	22.3	20.5	14.8	16.6	11.2	29.5	13.0	20.5	35.3	24.1	20.5
09	°	042	067	056	067	063	043	064	042	054	057	126	326	064	025	067	068	067	073	014	052	028	068	050	050
	km/h	18.4	13.0	14.8	14.8	18.4	22.3	16.6	11.2	14.8	13.0	11.2	25.9	13.0	29.5	20.5	25.9	22.3	16.6	24.1	16.6	18.4	11.2	14.8	13.0
10	°	060	050	050	071	084	064	067	154	147	156	192	195	225	267	268	278	270	299	037	360	071	026	348	021
	km/h	14.8	9.4	11.2	11.2	16.6	14.8	14.8	20.5	24.1	22.3	24.1	22.3	27.7	37.1	16.6	24.1	14.8	16.6	16.6	31.3	27.7	31.3	48.2	42.5
11	°	012	009	019	025	018	018	023	028	015	021	019	008	015	042	360	011	035	008	012	039	341	088	016	011
	km/h	44.3	48.2	42.5	59.4	61.2	61.2	66.6	63.0	64.8	66.6	64.8	63.0	57.2	51.8	53.6	51.8	46.4	51.8	40.7	40.7	37.1	46.4	29.5	31.3
12	°	021	015	035	029	033	021	040	046	039	050	068	001	129	085	098	005	045	040	036	319	045	030	045	042
	km/h	27.7	24.1	25.9	29.5	38.9	27.7	31.3	27.7	22.3	20.5	20.5	25.9	24.1	31.3	24.1	22.3	16.6	14.8	9.4	7.6	22.3	24.1	25.9	22.3
13	°	033	025	026	040	018	046	050	045	345	033	067	022	005	052	354	091	354	014	032	023	014	032	358	018
	km/h	24.1	25.9	25.9	24.1	25.9	27.7	29.5	35.3	44.3	31.3	29.5	27.7	29.5	35.3	31.3	42.5	40.7	40.7	37.1	33.5	37.1	37.1	35.3	35.3
14	°	032	026	036	029	042	036	085	030	045	045	067	015	037	343	066	067	066	050	004	042	080	009	064	021
	km/h	35.3	33.5	33.5	37.1	38.9	40.7	51.8	46.4	44.3	42.5	37.1	40.7	37.1	51.8	38.9	38.9	35.3	29.5	31.3	29.5	38.9	38.9	35.3	35.3
15	°	021	045	032	037	030	021	019	025	068	039	029	049	030	039	036	046	330	002	036	035	025	030	085	035
	km/h	38.9	33.5	35.3	33.5	35.3	37.1	44.3	38.9	40.7	33.5	31.3	29.5	31.3	29.5	35.3	33.5	25.9	25.9	25.9	24.1	27.7	37.1	35.3	25.9
16	°	036	037	045	057	049	043	018	061	351	130	078	012	030	037	299	324	015	352	316	338	001	347	001	330
	km/h	31.3	31.3	27.7	18.4	18.4	18.4	33.5	20.5	27.7	20.5	22.3	22.3	27.7	22.3	22.3	35.3	20.5	35.3	40.7	25.9	29.5	38.9	27.7	31.3
17	°	355	009	012	002	029	028	019	046	354	040	054	028	322	002	049	358	310	336	313	014	303	338	348	021
	km/h	24.1	22.3	22.3	25.9	24.1	27.7	31.3	27.7	31.3	24.1	27.7	24.1	33.5	27.7	29.5	29.5	35.3	18.4	25.9	11.2	22.3	40.7	35.3	20.5
18	°	348	039	015	295	334	316	160	261	299	258	271	271	340	319	257	258	309	257	295	309	319	331	340	331
	km/h	20.5	11.2	9.4	13.0	22.3	22.3	18.4	14.8	25.9	25.9	27.7	29.5	29.5	29.5	25.9	27.7	38.9	27.7	27.7	29.5	22.3	24.1	31.3	24.1
19	°	334	334	338	345	348	101	347	340	281	288	316	002	352	004	330	320	286	009	358	338	334	007	001	011
	km/h	20.5	29.5	16.6	20.5	22.3	22.3	18.4	24.1	14.8	20.5	22.3	22.3	24.1	27.7	57.2	31.3	29.5	27.7	31.3	35.3	42.5	20.5	22.3	27.7
20	°	354	009	007	016	002	355	029	347	021	028	348	331	035	345	054	067	012	042	012	063	045	080	075	045
	km/h	24.1	22.3	22.3	22.3	35.3	29.5	22.3	35.3	25.9	25.9	24.1	25.9	25.9	25.9	27.7	20.5	42.5	25.9	37.1	35.3	29.5	38.9	37.1	27.7
21	°	090	046	060	064	352	052	101	028	071	092	227	329	272	316	278	132	247	239	299	189	215	307	320	268
	km/h	27.7	20.5	18.4	16.6	20.5	13.0	13.0	22.3	14.8	14.8	22.3	27.7	22.3	33.5	18.4	16.6	24.1	18.4	22.3	13.0	13.0	40.7	29.5	14.8
22	°	299	230	229	206	137	196	216	163	163	156	192	174	220	226	247	233	260	257	262	316	327	285	305	320
	km/h	25.9	9.4	9.4	9.4	9.4	11.2	16.6	16.6	16.6	18.4	24.1	27.7	33.5	38.9	40.7	46.4	37.1	35.3	31.3	25.9	48.2	38.9	31.3	31.3
23	°	323	265	270	248	293	270	293	292	300	298	275	233	225	284	253	326	265	278	216	265	289	261	240	248
	km/h	31.3	24.1	14.8	11.2	29.5	16.6	22.3	33.5	29.5	29.5	20.5	22.3	37.1	37.1	33.5	40.7	40.7	35.3	20.5	57.2	22.3	20.5	22.3	14.8
24	°	265	209	208	225	208	278	267	267	261	233	255	255	277	246	257	265	253	257	306	327	317	326	303	316
	km/h	18.4	11.2	13.0	13.0	18.4	29.5	33.5	37.1	31.3	38.9	40.7	38.9	35.3	38.9	38.9	35.3	37.1	31.3	33.5	29.5				

## Directions et forces maximales horaires du vent pour Juin 2020

Jour du mois	unité	Heures (TU):																							
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	°	047	035	039	043	042	007	060	057	073	059	095	126	101	135	043	056	115	056	054	084	064	015	043	040
	km/h	24.1	27.7	22.3	20.5	20.5	40.7	42.5	33.5	33.5	35.3	35.3	44.3	37.1	35.3	35.3	29.5	25.9	29.5	25.9	18.4	16.6	27.7	16.6	18.4
02	°	043	026	036	039	350	043	059	045	345	040	019	098	340	168	338	295	295	295	237	300	180	329	317	337
	km/h	18.4	20.5	22.3	18.4	29.5	22.3	24.1	24.1	27.7	18.4	29.5	24.1	27.7	20.5	18.4	18.4	14.8	13.0	13.0	22.3	27.7	46.4	24.1	29.5
03	°	337	007	025	029	244	012	036	109	320	319	347	340	267	299	336	317	009	344	217	350	285	357	330	341
	km/h	25.9	22.3	14.8	16.6	20.5	14.8	14.8	14.8	27.7	22.3	25.9	25.9	27.7	38.9	38.9	29.5	20.5	37.1	35.3	27.7	33.5	37.1	20.5	20.5
04	°	355	043	282	094	316	306	317	350	136	303	313	324	281	260	156	338	275	313	315	331	323	312	307	305
	km/h	24.1	18.4	16.6	9.4	11.2	37.1	35.3	29.5	27.7	25.9	25.9	27.7	22.3	29.5	35.3	33.5	33.5	31.3	53.6	46.4	46.4	46.4	35.3	22.3
05	°	288	292	268	281	236	202	206	219	219	196	203	217	213	205	233	267	261	293	258	334	292	317	182	184
	km/h	20.5	20.5	22.3	22.3	18.4	22.3	25.9	33.5	38.9	42.5	48.2	38.9	46.4	53.6	64.8	51.8	44.3	53.6	42.5	40.7	18.4	31.3	11.2	11.2
06	°	199	220	239	230	220	203	203	223	196	251	243	251	264	230	230	250	246	248	239	226	225	181	230	243
	km/h	16.6	18.4	22.3	20.5	22.3	22.3	27.7	35.3	37.1	48.2	37.1	53.6	50.0	51.8	50.0	44.3	38.9	46.4	40.7	31.3	16.6	18.4	14.8	16.6
07	°	295	253	258	226	288	194	234	267	240	262	255	247	267	312	129	298	324	331	302	307	323	329	310	267
	km/h	20.5	13.0	14.8	14.8	22.3	16.6	24.1	29.5	27.7	29.5	33.5	29.5	27.7	31.3	25.9	31.3	22.3	33.5	14.8	27.7	35.3	25.9	22.3	13.0
08	°	299	313	001	023	023	015	023	063	009	011	154	317	310	341	323	310	217	303	312	322	002	340	039	026
	km/h	16.6	14.8	16.6	16.6	18.4	18.4	16.6	16.6	24.1	22.3	16.6	33.5	33.5	31.3	40.7	24.1	14.8	25.9	35.3	38.9	22.3	29.5	24.1	22.3
09	°	023	348	354	007	001	358	030	004	001	025	014	360	046	019	091	074	343	348	357	016	001	331	050	022
	km/h	24.1	24.1	33.5	27.7	25.9	29.5	29.5	38.9	31.3	24.1	25.9	25.9	29.5	29.5	33.5	27.7	37.1	24.1	33.5	20.5	25.9	46.4	22.3	20.5
10	°	036	036	029	049	028	094	050	345	002	015	078	037	001	082	341	028	042	348	011	354	354	082	348	045
	km/h	20.5	22.3	20.5	20.5	18.4	25.9	18.4	24.1	24.1	22.3	22.3	20.5	29.5	42.5	35.3	27.7	24.1	27.7	22.3	27.7	20.5	13.0	18.4	9.4
11	°	052	045	032	064	039	352	337	345	084	347	008	066	095	088	102	092	060	061	070	032	022	015	050	064
	km/h	7.6	7.6	11.2	16.6	14.8	25.9	20.5	25.9	16.6	33.5	24.1	20.5	24.1	25.9	27.7	24.1	29.5	25.9	24.1	25.9	37.1	24.1	16.6	22.3
12	°	050	043	045	063	070	046	098	066	102	113	126	150	119	043	019	063	274	180	272	315	316	322	260	239
	km/h	20.5	22.3	24.1	22.3	18.4	20.5	22.3	20.5	25.9	24.1	29.5	24.1	18.4	22.3	22.3	16.6	25.9	59.4	44.3	42.5	35.3	31.3	24.1	22.3
13	°	071	049	099	129	092	194	143	151	199	168	226	150	163	236	172	194	222	291	315	303	316	255	267	268
	km/h	18.4	16.6	14.8	9.4	13.0	16.6	18.4	18.4	24.1	22.3	25.9	27.7	20.5	18.4	14.8	16.6	25.9	31.3	29.5	27.7	35.3	14.8	14.8	18.4
14	°	291	253	251	255	265	281	293	284	307	253	250	264	303	303	310	247	305	260	298	274	295	274	303	246
	km/h	27.7	20.5	24.1	25.9	29.5	24.1	27.7	35.3	25.9	29.5	29.5	38.9	40.7	35.3	35.3	25.9	29.5	33.5	38.9	20.5	24.1	13.0	25.9	11.2
15	°	268	281	265	285	317	274	262	264	289	313	227	265	295	251	253	271	258	274	248	036	341	303	246	267
	km/h	14.8	13.0	13.0	13.0	35.3	16.6	16.6	22.3	20.5	31.3	27.7	31.3	33.5	29.5	29.5	27.7	35.3	29.5	24.1	18.4	33.5	24.1	14.8	18.4
16	°	271	270	268	267	288	315	279	333	279	227	247	243	250	240	226	315	227	239	210	088	077	127	202	236
	km/h	18.4	18.4	16.6	16.6	25.9	25.9	18.4	29.5	22.3	18.4	29.5	18.4	29.5	24.1	22.3	33.5	20.5	22.3	16.6	13.0	16.6	9.4	7.6	9.4
17	°	219	063	045	050	008	066	084	113	323	001	240	203	291	195	300	268	265	251	255	288	261	324	206	251
	km/h	9.4	11.2	9.4	9.4	13.0	9.4	11.2	9.4	29.5	20.5	16.6	14.8	35.3	38.9	35.3	38.9	42.5	35.3	31.3	22.3	24.1	38.9	18.4	22.3
18	°	212	206	188	187	201	178	195	239	178	274	281	257	194	189	191	257	243	192	185	261	265	277	261	255
	km/h	18.4	13.0	13.0	20.5	16.6	14.8	14.8	18.4	16.6	33.5	33.5	27.7	24.1	25.9	24.1	27.7	24.1	22.3	24.1	40.7	20.5	37.1	13.0	11.2
19	°	229	253	246	257	315	250	291	237	282	305	248	241	307	286	295	291	281	307	257	327	310	292	293	305
	km/h	11.2	13.0	14.8	14.8	33.5	14.8	29.5	20.5	33.5	29.5	31.3	33.5	53.6	40.7	40.7	42.5	31.3	29.5	27.7	35.3	25.9	27.7	25.9	13.0
20	°	296	310	345	355	022	337	005	360	317	293	338	247	343	002	327	316	317	331	337	202	239	319	049	050
	km/h	13.0	14.8	16.6	13.0	14.8	31.3	24.1	24.1	29.5	16.6	27.7	16.6	22.3	27.7	25.9	29.5	25.9	31.3	25.9	11.2	11.2	24.1	9.4	9.4
21	°	067	033	046	042	074	189	195	230	289	185	184	239	240	244	227	254	246	247	248	286	265	267	253	233
	km/h	11.2	9.4	7.6	3.6	7.6	7.6	11.2	16.6	20.5	22.3	25.9	25.9	33.5	33.5	35.3	40.7	27.7	29.5	31.3	42.5	31.3	38.9	22.3	25.9
22	°	268	251	279	291	251	278	312	293	303	268	216	329	320	313	310	029	322	022	355	317	344	036	350	033
	km/h	27.7	37.1	35.3	25.9	22.3	27.7	27.7	25.9	33.5	24.1	24.1	24.1	38.9	50.0	33.5	24.1	46.4	16.6	24.1	24.1	31.3	31.3	31.3	22.3
23	°	039	046	042	043	008	037	043	070	009	045	074	045	040	039	350	350	029	036	045	047	028	075	066	071
	km/h	18.4	18.4	16.6	18.4	27.7	25.9	27.7	22.3	22.3	24.1	25.9	24.1	25.9	25.9	38.9	33.5	29.5	33.5	27.7	25.9	46.4	24.1	16.6	14.8

