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BEBAUUNGSPLAN

„ROSSLAUFSTRASSE - SÜDWEST“
SONDERGEBIETSFLÄCHE FÜR EINZELHANDEL
UND MISCHGEBIETE

IM STADTBEZIRK NR. 25
STADT NEUSTADT A.D.WEINSTRASSE

SCHALLTECHNISCHE UNTERSUCHUNGEN
ZUM BAULEITPLANVERFAHREN

AUFTRAGGEBER:

GAB Grundstücksgesellschaft
am Bürgerpark mbH
Im Westpark 15

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PLANUNGSBÜRO:

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35440 Linden

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1. ZUSAMMENFASSUNG

Die Stadt Neustadt a.d. Weinstraße betreibt das Bauleitplanverfahren „Roßlaufgelände „Südwest“. Hierbei soll eine Sondergebietsfläche großflächiger Einzelhandel [SO_{EH}] sowie eine Mischbaufläche ausgewiesen werden. Hierzu wird eine Teilfläche der derzeitigen „Industriebrache Roßlaufgelände“ in Anspruch genommen.

Im Rahmen des Bauleitplanverfahrens ist zu prüfen, inwieweit die vorgesehene Planung einer Sondergebietsfläche Immissionskonflikte mit der umliegenden Bebauung aufgrund der zu erwartenden Geräusentwicklungen der Einkaufsmärkte auslösen kann. Die umliegende Bebauung wird danach im Osten, Süden und Westen als Mischbaufläche bewertet. Im nördlichen Bereich des Gebietes können sich ebenfalls Misch-, ggf. auch in Teilbereichen Wohnbauflächen zukünftig entwickeln.

Auf der Grundlage der Anhaltswerte zur Verkehrserzeugung der Parkplatzlärmstudie wurden die Geräuschimmissionen für 2 Märkte

Lebensmittelmarkt	VK = 1.650 m ²
Drogeriemarkt	VK = 600 m ²

gemäß den Festsetzungen des Bebauungsplanes berechnet. Zusätzlich wurden die für Betriebe dieser Größenordnung zu erwartenden Anlieferungsfahrten/Verladearbeiten berücksichtigt. Die schalltechnischen Berechnungen kommen zu dem Ergebnis, dass aus den Betriebsabläufen/dem Kundenverkehr die Einhaltung und Unterschreitung des Immissionsrichtwertes der Tageszeit für Mischgebiete – 60 dB(A) – erreicht werden kann.

Hierbei ist die Anlieferungszone des Lebensmittelmarktes als geschlossene Anlieferung auszubilden, in die die Fahrzeuge in voller Länge einfahren können.

Für die südlich innerhalb des Bebauungsplanes gelegene Mischbaufläche ist die abschirmende Wirkung einer „Garagenzeile“ (Plangebiet C) mit einer Bauhöhe von h ~ 2,5 m ü.G. – alternativ auch als Schallschutz ausbildbar – berücksichtigt.

Weitergehende bauliche Schallschutzmaßnahmen zur Einhaltung der Immissionsrichtwerte der Tageszeit werden nicht erforderlich.

Bei Marktöffnungszeiten bis 22.00 Uhr muss noch mit abfahrendem Verkehr von dem Kundenparkplatz gerechnet werden. Die hierfür eingestellten Abschätzungen (25 Pkw-Abfahrten nach 22.00 Uhr) führen ebenfalls noch nicht zur Überschreitung des Immissionsrichtwertes für Mischgebiete – nachts 45 dB(A) -.

Die „Mindestentfernungen“ zwischen Pkw-Stellplätzen und nächstgelegener schutzbedürftiger Bebauung in der Mischbaufläche zur Nachtzeit zur Einhaltung des sog. „Spitzenpegelkriteriums“ [keine Überschreitungen des Immissionsrichtwertes der Nachtzeit um > 20 dB(A)] nach der Parkplatzlärmstudie (empfohlen 19 m) können bei der Anordnung der Pkw-Stellplätze eingehalten werden.

Die Überprüfung möglicher Nachtanlieferungen an diesem Standort ergab, dass trotz der Forderung nach einer geschlossenen Anlieferungszone die hierbei auftretenden Fahr-/Rangiergeräusche der Anlieferungsfahrzeuge zu Richtwertüberschreitungen in der Nachbarschaft führen können.

Im Rahmen des Baugenehmigungsverfahrens wird daher das Erfordernis gesehen, Nachtanlieferungen (22.00 Uhr – 6.00 Uhr) an diesem Standort auszuschießen.

Die prognostizierten Beurteilungspegel aus der Nutzung der Sondergebietsfläche SO_{EH} schöpfen dabei die Immissionsrichtwerte für Mischgebiete zur Tageszeit nicht aus, so dass Planungsreserven für weitere gewerbliche Ansiedlungen/bestehende Marktbetriebe (hier Penny-Markt) vorhanden sind.

Unter Berücksichtigung der Forderung nach einer geschlossenen Anlieferungszone am Lebensmittelmarkt sowie der vorgesehenen geschlossenen „Garagenzeile“ – alternativ auch Schallschutzwand -, Bauhöhe jeweils h ~ 2,5 m in der südlich angrenzenden Mischgebietsfläche des Bebauungsplanes sind aus der Geräuschimmissionsbelastung zur Tageszeit keine unbewältigbaren Immissionskonflikte durch die Aufstellung des Bebauungsplanes zu erwarten.

2. SITUATION UND AUFGABENSTELLUNG

In der Stadt Neustadt, Weinstraße, soll im Stadtteil Branchweiler das als „Industriebrache“ darliegende „Roßlaufgelände“ einer Nachnutzung zugeführt werden.

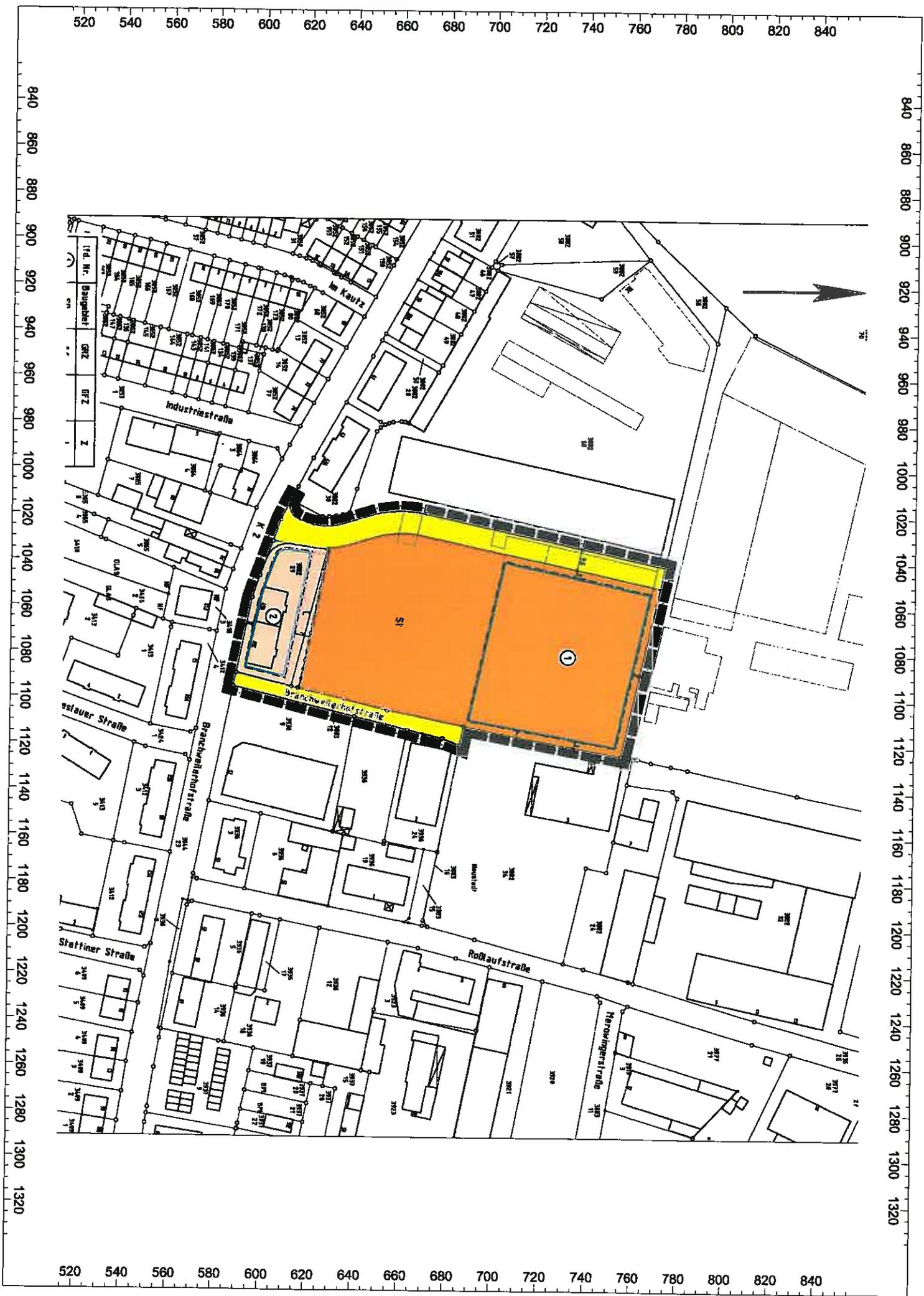
Der Bebauungsplan „Roßlaufstraße-Südwest“ nimmt eine Teilfläche des „Roßlaufgeländes“ für die Entwicklung einer Sondergebietsfläche und die Einbindung einer Mischgebietsfläche hiervon in Anspruch. Die Sondergebietsfläche soll als Sondergebiet für großflächigen Einzelhandel [SO_{EH}] entwickelt werden. Im Bebauungsplan-Entwurf werde hierzu folgende textlichen Festsetzungen getroffen:

Verkaufsfläche Lebensmittelmarkt	
einschließlich Backshop	max. 1.650 m ²
Drogeriemarkt	max. 600 m ²

Die unmittelbar angrenzende Bebauung soll zukünftig als Mischbaufläche entwickelt werden.

Außerhalb des Geltungsbereiches des Bebauungsplanes „Roßlaufstraße-Südwest“ befindet sich östlich ein bestehender Discountmarkt (Penny).

Im Rahmen der hier zu fertigenden schalltechnischen Untersuchung soll geprüft werden, inwieweit aus der Geräuschentwicklung der Sondergebietsfläche SO_{EH} (Parkierungsverkehr/Anlieferungsverkehr) Immissionskonflikte im Rahmen der Bauleitplanung zu erkennen sind. Bei zu erwartenden Konfliktlagen sind Hinweise für notwendige Schallschutzmaßnahmen zu geben.



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520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840

3. BEARBEITUNGSGRUNDLAGEN

Für die Fertigung der schalltechnischen Untersuchungen standen uns folgende Unterlagen zur Verfügung:

- Bebauungsplan-Entwurf „Roßlaufstraße – Südwest“ im Stadtbezirk Nr. 25, Neustadt a.d.Weinstraße
Planstand: November 2012
aufgestellt: Planungsbüro Holger Fischer, 35440 Linden
- Verkehrsuntersuchungen Bebauungsplan „Roßlaufstraße – Südwest“
gefertigt: R + T Ingenieure für Verkehrsplanung, 64293 Darmstadt
Dezember 2012

Folgende Normen und Richtlinien wurden für die Bearbeitung herangezogen:

TA Lärm	6. Allgemeine Verwaltungsvorschrift zum Bundes-Immissionsschutzgesetzes Technische Anleitung zum Schutz gegen Lärm Fassung vom 26.08.1998
DIN ISO 9613-2	Dämpfung des Schalls bei Ausbreitung im Freien Ausgabe Oktober 1999
Parkplatzlärmstudie	Untersuchungen von Schallemissionen aus Parkplätzen, Autohöfen und Omnibusbahnhöfen sowie von Parkhäusern und Tiefgaragen, Bayerisches Landesamtes für Umweltschutz 6. Auflage 2007
Technischer Bericht	Zur Untersuchung der Lkw- und Ladegeräusche auf Betriebsgeländen von Frachtzentren, Auslieferungslagern und Speditionen veröffentlicht Hessische Landesanstalt für Umwelt, Wiesbaden, Ausgabe 1995 und 2005
RLS-90	Richtlinie für den Lärmschutz an Straßen, Ausgabe 1990

Soweit darüber hinaus Normen und Richtlinien zur Anwendung kommen, sind diese im Text genannt und ggf. erläutert.

4. GERÄUSCHIMMISSIONSPROGNOSE

4.1 GERÄUSCHENTWICKLUNGEN DER SONDERGBIETSFLÄCHE SO_{EH}

Für die Beurteilung der Geräuschbelastung der benachbart zu der Sondergebietsfläche SO_{EH} gelegenen/geplanten Bebauung in Mischgebietsflächen werden die Immissionsrichtwerte der Technischen Anleitung zum Schutz gegen Lärm -TA Lärm, 6. Allgemeine Verwaltungsvorschrift zum Bundes-Immissionsschutzgesetz- herangezogen. Der Bebauungsplanentwurf sieht die Ausweisung einer Mischbaufläche (MI gemäß BauNVO) vor. Die Beurteilung erfolgt daher anhand der Immissionsrichtwerte von

tags	60 dB(A),
nachts	45 dB(A).

Der Bebauungsplan enthält die Regelung, dass für den Lebensmittelmarkt eine VK-Fläche von max. 1.650 m² und für einen Drogeriemarkt weitere 600 m² zur Verfügung stehen.

Die Marktentwicklung soll dabei im nördlichen Teil des Bebauungsplanes, die Stellplätze im südlichen Teil realisiert werden.

Für die schalltechnischen Berechnungen werden die Ableitungen des marktgenerierten Verkehrsaufkommens anhand der Anhaltswerte der Parkplatzlärmstudie für kleinere Verbrauchermärkte (< 5.000 m²) mit N = 0,1/Fahrbewegungen/m²-VK/h berücksichtigt.

Gemäß den Ausführungen der Parkplatzlärmstudie kommen die bei Anwendung dieser Fahrhäufigkeiten errechneten Immissionspegel auf der „sicheren Seite“ zum Liegen. Zusätzliche -das Verkehrsaufkommen reduzierende- Effekte (Verbundeffekte mehrerer Märkte) sind hierin nicht berücksichtigt.

Die Verkehrsuntersuchung Bebauungsplan „Roßlaufstraße – Südwest“ ermittelt unter Berücksichtigung der vorgenannten „Synergieeffekte“ ein zusätzliches Kfz-Fahrzeugaufkommen von

- ~ 1.970 Fahrbewegungen bzw.
- ~ 2.370 Fahrbewegungen Kunden im Ziel- und Quellverkehr.

[... Aufgrund der Flächen- und Verkaufsflächenfestlegungen werden durch das B-Plan-Gebiet täglich im Kunden- und Besucherverkehr etwa 1.970 zusätzliche Kfz-Fahrten induziert. ... In das Gebiet fahren täglich etwa 2.370 Kunden im Quell- und Zielverkehr – da jedoch ein Anteil von etwa 470 Kfz/24 h im Mitnahmeverkehr auftritt, ist der neue Kundenverkehr um diesen Anteil abzumindern. ...]

Die hieraus entstehenden „Planungsreserven“ zugunsten zukünftiger Marktbetreiber in der Sondergebietsfläche gegenüber den anhand der Anhaltswerte der Parkplatzlärmstudie ermittelten – maximalen – Fahrbewegungen (siehe hierzu die nachfolgende Seite 9) betragen

$$\Delta L \sim 2,1 \text{ bzw. } \sim 1,3 \text{ dB.}$$

Im Folgenden werden die Berechnungen anhand der Anhaltswerte der Parkplatzlärmstudie mit den „höheren“ Erwartungen an das anlagenbezogene Verkehrsaufkommen zur Erhöhung der Planungssicherheit für diesen Standort durchgeführt.

Die Berechnung der Emissionsleistung aus dem Kundenparkplatz erfolgt nach den Berechnungsalgorithmen der Parkplatzlärstudie.

Zur Berechnung der flächenbezogenen Schalleistungspegel für Parkplätze wurde die in Kapitel 8.2.1 der Parkplatz-Lärmstudie (zusammengefasstes Verfahren) genannte Formel verwendet:

$$L_W'' = L_{WO} + K_{PA} + K_I + K_D + K_{StrO} + [10 \log (B \times N) - 10 \log (S/1m^2)] \text{ in dB(A)}$$

Hierin bedeuten:

- L_W'' = Flächenbezogener Schalleistungspegel aller Vorgänge auf dem Parkplatz einschließlich Durchfahrtanteil
- L_{WO} = 63 dB(A) = Ausgangsschalleistungspegel für eine Bewegung/h auf einem P+R-Parkplatz
- K_{PA} = Zuschlag für die Parkplatzart, hier: Parkplätze an Einkaufsmarkt Standard-Einkaufswagen auf Asphalt +3 dB(A)
- K_I = Zuschlag für die Impulshaltigkeit +4 dB(A)
- K_D = $2,5 \log (f \times B - 9)$
mit $f = 0,07 \times m^2$ Netto-Verkaufsfläche
- K_{StrO} = entfällt bei Parkplätzen an Einkaufsmärkten mit asphaltieren oder mit Betonsteinen gepflasterten Oberflächen
- B = Bezugsgröße (hier Netto-Verkaufsfläche in m^2)
- N = Bewegungshäufigkeit (Bewegungen je Einheit der Bezugsgröße und Stunde), hier: $N = 0,1$
- S = Gesamtfläche bzw. Teilfläche des Parkplatzes

Der Anhaltswert N zur Verkehrserzeugung der Märkte /1/ führt zu einem marktgenerierten Fahrzeugaufkommen bei einer VK von ca. $1.650 m^2 + 600 m^2$ und einer Marktöffnungszeit von 15 bzw. 13 Stunden von ≈ 1.600 Pkw-Kunden täglich, entsprechend ≈ 3.200 Fahrbewegungen von und zu den Stellplätzen.

Die Schallausbreitungsberechnungen erfolgen für Linienschallquellen nach der RLS 90 und für Flächenschallquellen nach der TA Lärm / DIN ISO 9613-2 nach

$$L(DW) = L_W + D_c - (A_{div} + A_{atm} + A_{gr} + A_{bar} + A_{misc})$$

Hierin bedeuten:

- L_W = Schalleistungspegel der Punktschallquelle
- D_c = Richtwirkungskorrektur
- A_{div} = Geometrische Ausbreitungsdämpfung
- A_{atm} = Luftabsorptionsdämpfung
- A_{gr} = Dämpfung durch Bodeneffekte
- A_{bar} = Dämpfung durch Abschirmung
- A_{misc} = Dämpfung aufgrund verschiedener anderer Effekte

Pegelerhöhende Einflüsse durch Reflexionen an bestehenden bzw. zukünftigen Gebäudefassaden wurden durch Berechnung der ersten Reflexion bei einem Reflexionsverlust von -1 dB an der Fassade berücksichtigt.

/1/ Tabelle 33, Bewegungshäufigkeit bei verschiedenen Parkplatzarten für schalltechnische Prognosen, Empfehlungen zur Berechnung von Schallemissionen aus Parkplätzen, Bayerisches Landesamt für Umwelt, 2007

Zusätzlich zu den Parkplatzgeräuschen sind weitere Geräuscentwicklungen durch das Einstapeln von Einkaufswagen zu berücksichtigen.

Es wird je Marktkunde ein Stapelvorgang eines Einkaufswagens mit Metallkorb mit

$$L_{WAT,1h} = 72 \text{ dB(A)}$$

in die Berechnungen eingestellt.

Der Zuschlag von +4 dB zur Berücksichtigung einer „Impulshaltigkeit“ ist hierin berücksichtigt.

Für die Märkte werden orientierend 8 Lkw-An- und Abfahrten des Anlieferungsverkehrs für den neu geplanten Lebensmittelmarkt und 2 Lkw-An- und Abfahrten für den Drogeriemarkt täglich berücksichtigt. Der Andienungsbereich für den Lebensmittelmarkt wird im östlichen Bereich des Plangebietes, der für den Drogeriemarkt im westlichen Bereich des Plangebietes eingestellt. Schalltechnische Voruntersuchungen ergaben, dass für den Anlieferungsbereich des Lebensmittelmarktes aufgrund der Nähe der benachbarten Mischgebietsfläche eine Einhausung der Anlieferungszone erforderlich wird, in der die Fahrzeuge vollständig einfahren können. Verladetätigkeiten werden im Bereich der möglichen Anlieferungszonen eingestellt. Für den neu geplanten Lebensmittelmarkt werden hier 4 Verladestunden mit jeweils einer Schallleistung von $L_{WA} = 100 \text{ dB(A)}$, für den Drogeriemarkt ein Ladeumfang von jeweils 10 Rollis/Lkw bei Verladebetrieb über fahrzeugeigene Ladebordwand nach ^{/2/} berücksichtigt. Für den Drogeriemarkt ist dabei eine offene Laderampe bei den Berechnungen eingestellt.

Weitere Geräuscentwicklungen im Bereich des Drogeriemarktes werden sie folgt berücksichtigt:

Motorstart	$L_{WA} = 100 \text{ dB(A)}/\text{Vorgang}$
Türenschiagen Lkw	$L_{WA} = 100 \text{ dB(A)}/\text{Vorgang}$
Motorstandlauf	$L_{WA} = 94 \text{ dB(A)}/2 \text{ Minuten}/\text{Lkw}$
Druckluftgeräusche Betriebsbremse Lkw	$L_{WA} = 108 \text{ dB(A)}/\text{Vorgang}$

Fahrgeräusche der Lieferfahrzeuge auf der Betriebsfläche werden mit einem längenbezogenen Schallleistungspegel von $L_{WA} = 63 \text{ dB(A)}$, rückwärtige Rangierfahrten zum Erreichen der Anlieferungszone mit $L_{WA} = 68 \text{ dB(A)}$ berücksichtigt. Für die Verladetätigkeiten (Rollis über Ladebordwand) wird ein zeitbezogener mittlerer Schallleistungspegel von

$$L_{WAT,1h} = 78 \text{ dB(A)}/\text{Vorgang}$$

je Vorgang bei den Berechnungen berücksichtigt. Rollgeräusche in den Fahrzeugen selbst werden mit $L_{WAT,1h} = 75 \text{ dB(A)}/\text{Vorgang}$ eingestellt.

Anmerkung: Im Zuge der Konkretisierung der Planung für die Märkte können hier weitere, die Verladetechnik stärker berücksichtigende abweichende Berechnungsdaten herangezogen werden. Zur Prüfung möglicher „Konfliktlagen“ in diesem Entwurfsstadium sind die eingestellten Bezugsgrößen jedoch ausreichend qualifiziert und lassen Ergebnisse „auf der sicheren Seite“ erwarten.

Die Schallausbreitungsberechnungen erfolgen nach den Berechnungsalgorithmen des Anhangs A der TA Lärm. Die Berechnungsergebnisse stellen dabei den für den Marktbetrieb zu erwartenden Beurteilungspegel $L_{r,16h}$ dar. Soweit Zuschläge zur Berücksichtigung besonderer Störwirkungen erforderlich werden, sind diese im Verfahren berücksichtigt. Aufgrund der Einstufung der umliegenden Bebauung als „Mischgebiet“ nach BauNVO werden die Zuschlagsregelungen zur Berücksichtigung erhöhter Störwirkungen bei Betriebsvorgängen während der morgendlichen/abendlichen Ruhezeit (6.00 Uhr – 7.00 Uhr und 20.00 Uhr – 22.00 Uhr) richtlinienkonform nicht angewendet.

4.2 BERECHNUNGSERGEBNISSE

Für sechs Immissionsaufpunkte in Höhe der umliegenden Bebauung wurden die Geräuschimmissionen aus dem erwarteten Fahrzeugaufkommen des Kundenverkehrs der Märkte mit insgesamt ca. 3.200 Fahrbewegungen, entsprechend ca. 1.600 Anfahrten und ca. 1.600 Abfahrten berücksichtigt.

Die Lkw-Anfahrten über die Betriebsfläche sowie die in den Ladezonen entstehenden Geräuschimmissionen sind mit den in 3.1 angegebenen Emissionsansätzen eingestellt.

Die nachfolgende Tabelle zeigt die hieraus zu erwartende Geräuschimmissionsbelastung nach den Abschätzungen der Parkplatzlärmstudie für den 16-stündigen Bezugszeitraum für die Bebauung.

Die Berechnungen beziehen sich dabei auf eine Marktöffnungszeit des Lebensmittelmarktes zwischen 07.00 Uhr bis 22.00 Uhr und für einen Drogeriemarkt zwischen 07.00 Uhr bis 20.00 Uhr.

Bei Marktöffnungszeiten bis 22.00 Uhr muss mit abfahrenden Fahrzeugen nach 22.00 Uhr und somit „in der Nachtzeit“ gerechnet werden. Für den verbleibenden abfließenden Verkehr liegen keine statistisch abgesicherten Verkehrsdaten vor. Im Hinblick auf vergleichbare Marktkonstellationen werden für die "lauteste Nachtstunde" (z.B. Zeitraum zwischen 22.00 Uhr und 23.00 Uhr) noch 25 Pkw-Abfahrten von der Pkw-Parkfläche abschätzend berücksichtigt.

Weiterhin wurde geprüft, inwieweit Anlieferungsfahrten von Lkw zur Nachtzeit stattfinden können. Hierzu wurden die Geräuschimmissionen, die aus einer Anlieferungsfahrt/Zeitstunde während der Nachtzeit an die Ladezone des Lebensmittelmarktes (z.B. Frischwarenanlieferung) berechnet.

Tabelle 1: Geräuschimmissionen der Einkaufsmärkte in der SO_{NVZ}-Fläche

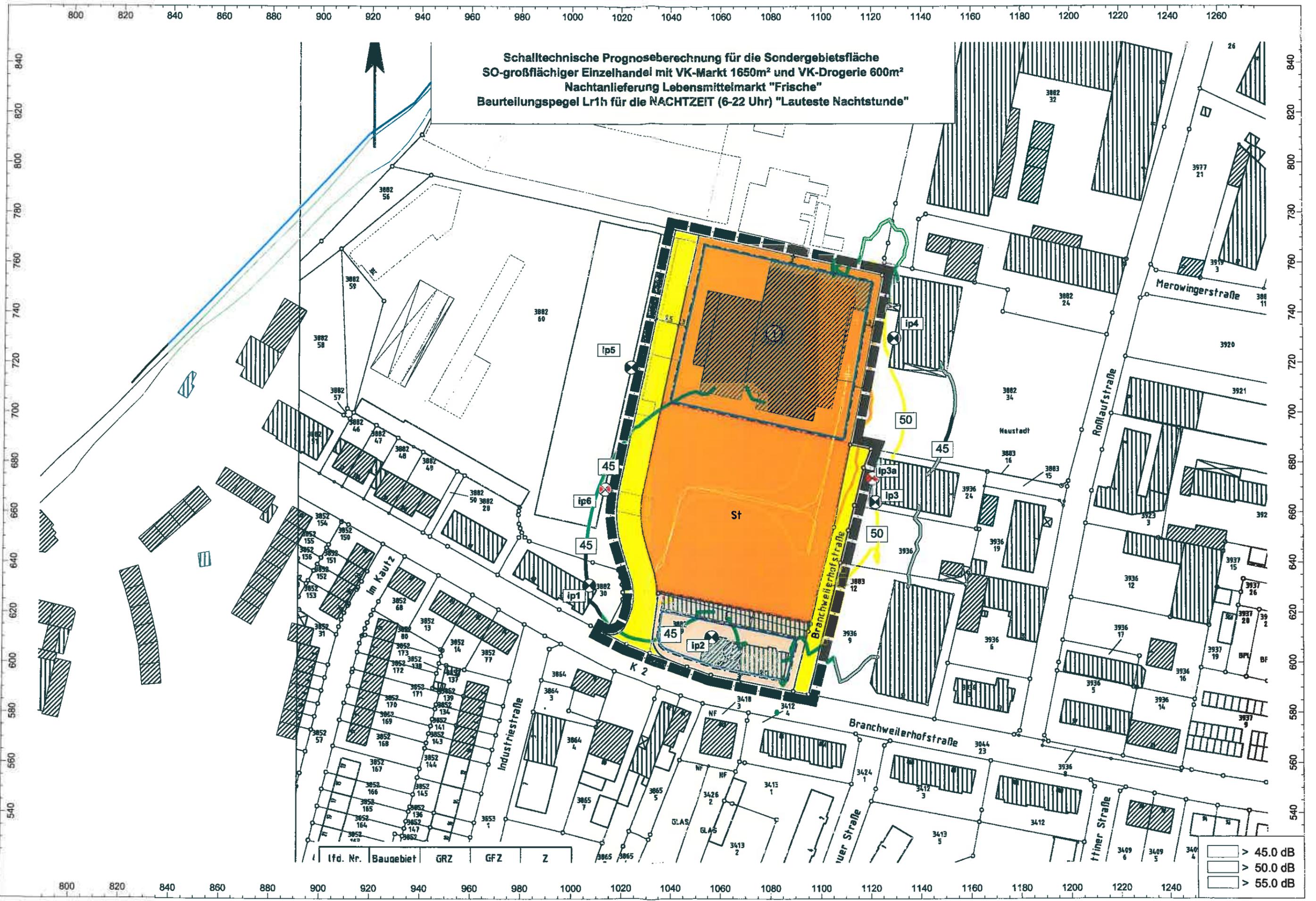
IP-Nr.	Lage der Berechnungsposition	L _{r,16h} Tageszeit	L _{r,1h} Nachtzeit abfahrender Kundenverkehr	L _{r,1h} Nachtzeit Lkw-Anlieferung
IP 1	Bwh* 43 A	54	40	45
IP 2	Bwh* 45 B	55	43	44
IP 3	Gebäude Flurstück 3936/24	55	43	49
IP 3a	Gebäude Flurstück 3936/24	56	43	52
IP 4	Gebäude Flurstück 3882/34	47	33	47
IP 5	mögliche Bebauung MI westlich	54	38	41
IP 6	mögliche Bebauung MI westlich	56	42	46

Alle Pegelwerte in dB(A)

Bwh* = Branchweilerhofstraße

Die Berechnungspunkte wurden dabei jeweils ca. 6 m über Gelände entsprechend Bezugspunkten in Obergeschossen angeordnet.

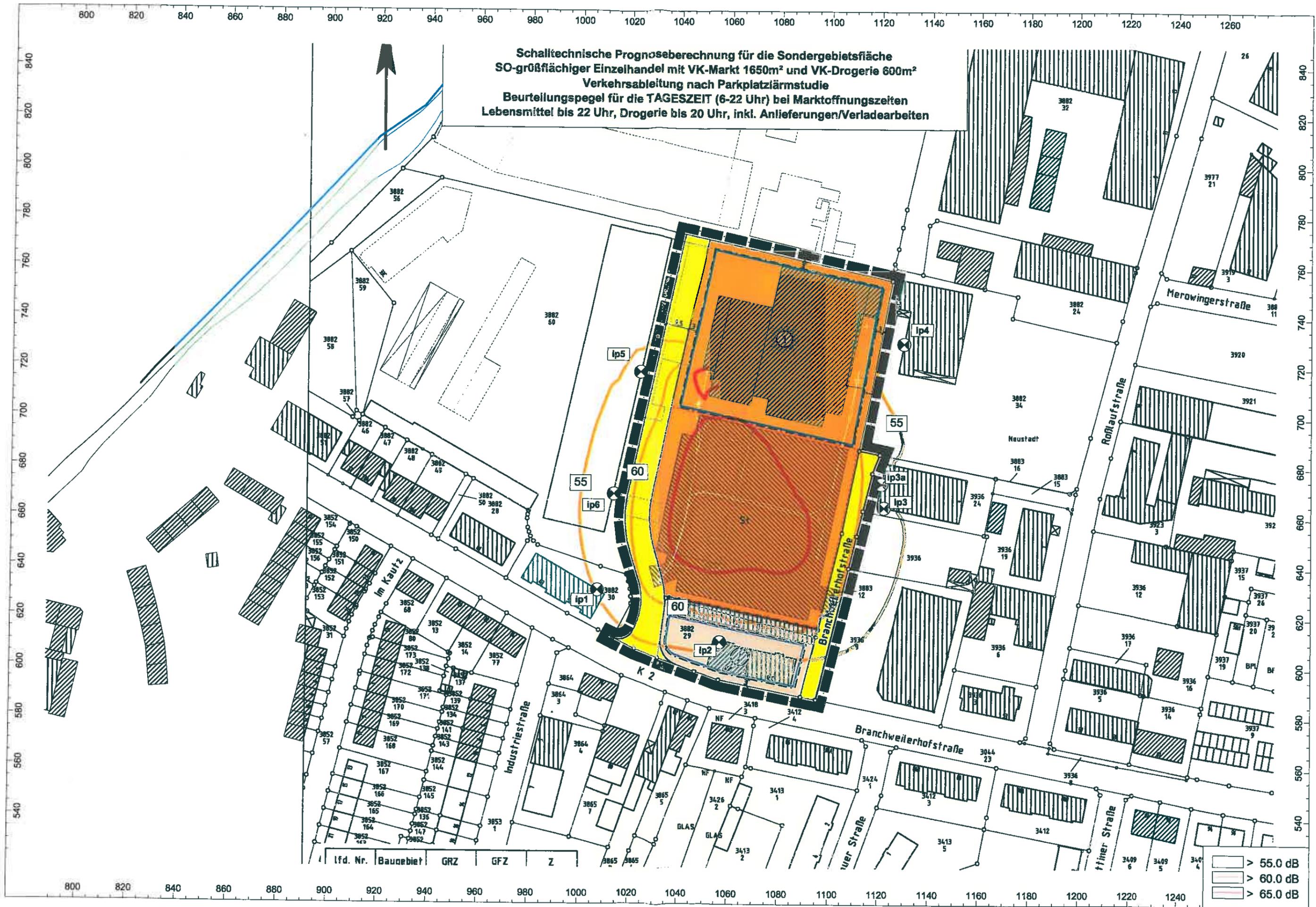
Schalltechnische Prognoseberechnung für die Sondergebietsfläche
 SO-großflächiger Einzelhandel mit VK-Markt 1650m² und VK-Drogerie 600m²
 Nachtanlieferung Lebensmittelmarkt "Frische"
 Beurteilungspegel Lr1h für die NACHTZEIT (6-22 Uhr) "Lauteste Nachtstunde"



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3882 69				
3882 70				
3882 71				
3882 72				
3882 73				
3882 74				
3882 75				
3882 76				
3882 77				
3882 78				
3882 79				
3882 80				
3882 81				
3882 82				
3882 83				
3882 84				
3882 85				
3882 86				
3882 87				
3882 88				
3882 89				
3882 90				
3882 91				
3882 92				
3882 93				
3882 94				
3882 95				
3882 96				
3882 97				
3882 98				
3882 99				
3882 100				

> 45.0 dB
> 50.0 dB
> 55.0 dB

Schalltechnische Prognoseberechnung für die Sondergebietsfläche
SO-größtflächiger Einzelhandel mit VK-Markt 1650m² und VK-Drogerie 600m²
Verkehrsableitung nach Parkplatzärmstudie
Beurteilungspegel für die TAGESZEIT (6-22 Uhr) bei Marktoffnungszeiten
Lebensmittel bis 22 Uhr, Drogerie bis 20 Uhr, inkl. Anlieferungen/Verladearbeiten



lfd. Nr.	Baugebiet	GRZ	GFZ	Z
3882 56				
3882 59				
3882 58				
3882 57				
3882 46				
3882 47				
3882 48				
3882 49				
3882 50				
3882 28				
3852 154				
3852 155				
3852 156				
3852 157				
3852 151				
3852 152				
3852 153				
3852 31				
3852 170				
3852 171				
3852 169				
3852 168				
3852 167				
3852 166				
3852 165				
3852 164				
3852 147				
3852 148				
3852 149				
3852 139				
3852 134				
3852 141				
3852 143				
3852 144				
3852 145				
3864 3				
3864 4				
3865 7				
3865 5				
3418 3				
3412 4				
3426 2				
3413 1				
3424 1				
3412 3				
3413 5				
3413 2				
3413 1				
3413 5				
3409 6				
3409 5				
3409 4				

- > 55.0 dB
- > 60.0 dB
- > 65.0 dB

4.3 BEURTEILUNG DER BERECHNUNGSERGEBNISSE

Der Vergleich der Berechnungsergebnisse für die Tageszeit zeigt, dass aus dem marktgenerierten Verkehrsaufkommen einschließlich des eingestellten Verladebetriebes – unter Berücksichtigung einer geschlossenen Anlieferungszone am Lebensmittelmarkt – die Einhaltung und Unterschreitung des Immissionsrichtwertes für Mischgebiete in Höhe der umliegenden Bebauung zu prognostizieren ist.

Hierbei wird der zur Verfügung stehende Immissionsrichtwert von tags 60 dB(A) nicht ausgeschöpft. Es verbleiben somit „Planungsreserven“ für z.B. weitere gewerbliche Geräusentwicklungen aus dem bestehenden Discount-Lebensmittelmarkt [Penny] östlich des Plangebietes.

Für die Nachtzeit können bei Marktschluss 22.00 Uhr die noch zu erwartenden Pkw-Abfahrten im Rahmen der dann geltenden Anforderungen von 45 dB(A) innerhalb der "lautesten Nachtstunde" abgewickelt werden.

Zur Einhaltung der zusätzlichen Anforderungen der TA Lärm, dass aus den anlagenbezogenen Geräuschimmissionen keine Pegelspitzen > 65 dB(A) zur Nachtzeit auf die nächstgelegene Bebauung in der Mischgebietsfläche einwirken dürfen, wird in der Parkplatzlärmstudie ein „Mindestabstand“ zwischen Pkw-Stellplätzen und schutzbedürftigen Gebäuden von 19 m unter „Freifeldbedingungen“ als erforderlich erachtet. Diese Abstände können eingehalten werden. In Richtung der südlich geplanten Mischgebietsfläche können hierbei noch Abschirmungen durch die geplante überdachte „Garagenzeile“ (Plangebietsbereich C) berücksichtigt werden. Alternativ zu einer geschlossenen Ausbildung der Rückseiten von Carports kann auch eine eigenständige Schallschutzwand in diesem Bereich die gleiche Schirmwirkung erreichen. Für die „Garagenzeile“ ist in den Berechnungen eine Bauhöhe von $h = 2,5$ m berücksichtigt. Wird die Schallschutzmaßnahme als „Schallschutzwand“ ausgeführt, ist hierfür die gleiche Bauhöhe zu berücksichtigen.

Die Berechnung der Geräusentwicklungen, die aus einer „Nachtanlieferung“ für den Lebensmittelmarkt entstehen, zeigt, dass hierbei Richtwertüberschreitungen an 4 der 7 Berechnungsaufpunkte zu erwarten sind. An 2 Berechnungsaufpunkten muss mit grenzwertigen Ergebnissen zum Immissionsrichtwert von nachts 45 dB(A) gerechnet werden. In diesen Berechnungen ist die abschirmende Wirkung einer geschlossenen Ladezone für den Aufstellungsbereich des Lkw bzw. gegenüber den Verladegeräuschen berücksichtigt. Die Überschreitungen resultieren hier im Wesentlichen aus den bei der An- und Abfahrt sowie der Rangierfahrt entstehenden Geräusentwicklungen.

Im Hinblick auf die Nachbarschaftslage – Wohngebäude in Mischgebietsflächen – kann somit eine Nachtanlieferung an diesem Standort nicht vorgenommen werden.

Mindestabstände zwischen Pkw-Stellplätzen und Gebäuden in Mischgebietsflächen zur Einhaltung des "Spitzenpegel-Kriteriums" zur Nachtzeit (1-19m) nach der Parkplatzlärmstudie



5. SCHALLSCHUTZMASSNAHMEN

5.1 BAULICHE SCHALLSCHUTZMASSNAHMEN

Die schalltechnischen Berechnungen zeigen, dass zur Minimierung der Verladegeräusche während der Tageszeit an der Anlieferungszone des Lebensmittelmarktes eine geschlossene Anlieferung herzustellen ist, in die die Fahrzeuge vollständig einfahren können.

Die Anlieferungszone soll dabei in Massivbauweise oder unter Verwendung geeigneter Baumaterialien, die einen Schalldämmwert von $R'_w \geq 25$ dB aufweisen, errichtet werden (diese Anforderungen werden erfüllt durch massive Mauerwerke/Gasbetonelemente oder Stahltrapezblechelemente mit mineralischer Zwischendämmung).

Die Überdachung ist ebenfalls mit Konstruktionen herzustellen, die eine Schalldämmung von $R'_w \geq 25$ dB erreichen.

Die Anlieferungszone der Toranlage muss dabei während der Verladearbeiten nicht geschlossen gehalten werden.

Aufgrund des geringeren Anlieferungsumfanges am benachbart geplanten Drogeriemarkt sind derartige Schallschutzmaßnahmen nicht erforderlich.

Für die an den Märkten üblicherweise zum Einsatz kommenden Kühl- und Klimageräte (Verflüssiger), die auch in der Nachtzeit in Betrieb gehalten werden, ist die Schallleistung – je nach Aufstellungsort der Aggregate – so zu wählen, dass hierbei die in der Umgebung geltenden Immissionsrichtwerte der Nachtzeit – in der Mischgebietsfläche westlich und östlich der Marktgebäude 45 dB(A) – sicher eingehalten und unterschritten werden. Es wird empfohlen, aufgrund weiterer gewerblicher Nutzungen in der Umgebung dabei eine Unterschreitung des Immissionsrichtwertes um > 6 dB sicherzustellen, so dass durch diesen Immissionsanteil dem „Irrelevanzkriterium“ der TA Lärm entsprochen werden kann.

Entwickelt sich die Fläche nördlich des Marktgebäudes als Allgemeines Wohngebiet, gelten hier die Immissionsrichtwerte von nachts 40 dB(A). Die Plangröße für die Geräuschentwicklungen aus der TGA (in der Summenwirkung) sollte hier ≤ 34 dB(A) betragen.

Wird anstelle einer Carport-/Garagenausbildung mit geschlossener Rückseite in Höhe der südlich an die SO-Fläche angrenzenden Mischbaufläche der Schallschutz durch eine „Schallschutzwand“ (Bauhöhe Carport/Garagenzeile und Schallschutzwand hierbei $h \sim 2,5$ m ü.G.) realisiert, wird empfohlen, hierfür systemgeprüfte Schallschutzelemente nach der ZTV-Lsw 88 ff. einzusetzen. Systemgeprüfte Schallschutzwandelemente erfüllen dabei die Mindestvoraussetzungen an die Schalldämmwerte und Konstruktionsanforderungen (Dichtigkeit) nach den Kriterien der Straßenbauverwaltung (alternativ kann natürlich auch die entsprechende Schirmwirkung durch massive Mauerwerke etc. erzielt werden).

Entsprechende Konkretisierungen sind im Rahmen der jeweiligen Baugenehmigungsverfahren auf der Grundlage der dann verfestigten Planung vorzunehmen.

5.2 BEWERTUNG DER BAULEITPLANUNG

Den schalltechnischen Berechnungen liegt eine Entwicklung von Mischbauflächen in der Umgebung zugrunde. Sollte sich die westlich zum Plangebiet gelegene, derzeit nicht baulich in Anspruch genommene Fläche als Allgemeines Wohngebiet entwickeln, ergeben sich Einschränkungen bezüglich des Marktbetriebes zur Nachtzeit. Ggf. werden auch zusätzliche ergänzende Schallschutzmaßnahmen am Kundenparkplatz für die Tageszeit erforderlich, da die Berechnungen hier grenzwertige Ergebnisse aufzeigen.

Für die südlich gelegene Mischgebietsfläche (Teilfläche 2) innerhalb des Geltungsbereiches des Bebauungsplanes wird empfohlen, das in der Planung dargestellte „Baufenster“ auf die Höhe der nördlichen Gebäudefassade zu reduzieren, so dass hier keine „heranrückende“ Bebauung an die Parkfläche möglich wird. Die Berechnungsergebnisse zeigen, dass es hierbei zu grenzwertigen Ergebnissen bei der Berücksichtigung des abfahrenden Verkehrs zur Nachtzeit kommen kann. Darüber hinaus können die Mindestabstände zur Einhaltung des sog. „Spitzenpegelkriteriums“ ggf. in den Obergeschossen der Gebäude 45b und 45c nicht mehr in allen Bereichen sichergestellt werden.

6. PROGNOSESICHERHEIT

Nach EN ISO 9613-2 muss mit einer verfahrensbedingten Prognoseunsicherheit aufgrund der Lage der Schallquellen zu den Immissionsaufpunkten von ± 1 dB(A) gerechnet werden.

Durch die Verwendung der Emissionsdaten der Parkplatzlärmstudie/Hessischen Landesanstalt für Umwelt und Geologie zur Beschreibung der Geräuschentwicklungen auf dem Kundenparkplatz/aus dem Anlieferungsverkehr werden in der Regel Ergebnisse „auf der sicheren Seite“ erzielt. Die Gesamtsicherheit der vorliegenden Geräuschimmissionsprognose wird daher mit +1/-3 dB(A) an den ausgewiesenen Berechnungsergebnissen abgeschätzt.

DIESE GERÄUSCHIMMISSIONSPROGNOSE UMFASST 19 SEITEN SOWIE IN DER ANLAGE AUSZÜGE AUS DEN BERECHNUNGSPROTOKOLLEN.

LIMBURG, DEN 28. DEZEMBER 2012 Zi/Hz/Ba

GSA Limburg GmbH
Ingenieurgesellschaft
für Immissionsschutz,
Akustik, Bauphysik

Ziegelmeier

Auszug Berechnungsprotokoll
Bericht (progmod-Markt.cna)

Punktquellen

Bezeichnung	M.	ID	Schalleistung Lw			Lw / Li			Korrektur			Schalldämmung		Dämpfung	Einwirkzeit			K0	Freq.	Richtw.	Höhe
			Tag	Abend	Nacht	Typ	Wert	norm.	Tag	Abend	Nacht	R	Fläche		Tag	Ruhe	Nacht				
			(dBA)	(dBA)	(dBA)			dB(A)	dB(A)	dB(A)		(m²)	(min)	(min)	(min)	(dB)	(Hz)		(m)		
Verladesituation Schätzung		LADELEBMARKT	100.0	100.0	100.0	Lw	100		0.0	0.0	0.0			240.00	0.00	0.00	0.0	500	(keine)	1.25	r
Türenschiagen 4x / Lkw		LADEDROGMARKT	100.0	100.0	100.0	Lw	100		0.0	0.0	0.0			0.32	0.32	0.00	0.0	500	(keine)	2.20	r
Motorstart		LADEDROGMARKT	100.0	100.0	100.0	Lw	100		0.0	0.0	0.0			0.08	0.08	0.00	0.0	500	(keine)	0.50	r
Druckluft Betriebsbremse		LADEDROGMARKT	108.0	108.0	108.0	Lw	108		0.0	0.0	0.0			0.08	0.08	0.00	0.0	500	(keine)	0.50	r
Motorstandlauf		LADEDROGMARKT	94.0	94.0	94.0	Lw	LKW_STAND	94.0	0.0	0.0	0.0			2.00	2.00	0.00	0.0		(keine)	0.50	r
Ladegeräusche 10 Rollis		LADEDROGMARKT	91.0	91.0	78.0	Lw	ROLL_LADE	78.0	13.0	13.0	0.0			60.00	60.00	0.00	0.0		(keine)	1.25	r
Druckluft Betriebsbremse		LADELEBMARKT	116.0	108.0	108.0	Lw	108		8.0	0.0	0.0			0.08	0.08	0.00	0.0	500	(keine)	0.50	r
Motorstandlauf		LADELEBMARKT	102.0	94.0	94.0	Lw	LKW_STAND	94.0	8.0	0.0	0.0			2.00	2.00	0.00	0.0		(keine)	0.50	r
Motorstart		LADELEBMARKT	108.0	100.0	100.0	Lw	100		8.0	0.0	0.0			0.08	0.08	0.00	0.0	500	(keine)	0.50	r
Türenschiagen 4x / Lkw		LADELEBMARKT	108.0	100.0	100.0	Lw	100		8.0	0.0	0.0			0.32	0.32	0.00	0.0	500	(keine)	2.20	r
Kälteaggregat Lkw		LADELEBMARKT	97.0	97.0	97.0	Lw	THKSL200e	97.0	0.0	0.0	0.0			15.00	15.00	0.00	0.0		(keine)	2.50	r

Linienquellen

Bezeichnung	M.	ID	Schalleistung Lw			Schalleistung Lw'			Lw / Li			Korrektur			Schalldämmung		Dämpfung	Einwirkzeit			K0	Freq.
			Tag	Abend	Nacht	Tag	Abend	Nacht	Typ	Wert	norm.	Tag	Abend	Nacht	R	Fläche		Tag	Ruhe	Nacht		
			(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	dB(A)	dB(A)	dB(A)		(m²)	(min)	(min)	(min)	(dB)	(Hz)	
EKW1		SAMSTELL	86.0	86.0	72.0	80.5	80.5	66.5	Lw	EKWMET	72.0	14.0	14.0	0.0			780.00	120.00	0.00	0.0		
EKW1		SAMSTELL	86.0	86.0	72.0	80.5	80.5	66.5	Lw	EKWMET	72.0	14.0	14.0	0.0			780.00	120.00	0.00	0.0		
EKW1		SAMSTELL	86.0	86.0	72.0	80.5	80.5	66.5	Lw	EKWMET	72.0	14.0	14.0	0.0			780.00	120.00	0.00	0.0		
Lkw Anfahrt		LKWLEBMARKT	91.6	83.6	83.6	71.0	63.0	63.0	Lw'	LKW_FAHR	63.0	8.0	0.0	0.0			60.00	60.00	60.00	0.0		
Lkw Abfahrt		LKWLEBMARKT	93.0	85.0	85.0	71.0	63.0	63.0	Lw'	LKW_FAHR	63.0	8.0	0.0	0.0			60.00	60.00	60.00	0.0		
Lkw Rangierfahrt		LKWLEBMARKT	94.8	86.8	86.8	76.0	68.0	68.0	Lw'	LKW_RANG	68.0	8.0	0.0	0.0			60.00	60.00	60.00	0.0		
Lkw Anfahrt		LKWDRUGMARKT	83.8	83.8	83.8	63.0	63.0	63.0	Lw'	LKW_FAHR	63.0	0.0	0.0	0.0			60.00	60.00	0.00	0.0		
Lkw Abfahrt		LKWDRUGMARKT	82.2	82.2	82.2	63.0	63.0	63.0	Lw'	LKW_FAHR	63.0	0.0	0.0	0.0			60.00	60.00	0.00	0.0		
Lkw Rangierfahrt		LKWDRUGMARKT	81.0	81.0	81.0	68.0	68.0	68.0	Lw'	LKW_RANG	68.0	0.0	0.0	0.0			60.00	60.00	0.00	0.0		
Rollgeräusche Wagenboden		LADEDROGMARKT	88.0	88.0	75.0	78.7	78.7	65.7	Lw	75		13.0	13.0	0.0			60.00	60.00	0.00	0.0	500	

Parkplätze

Bezeichnung	M.	ID	Typ	Lwa			Zählzeiten						Zuschlag Art		Zuschlag Fahrb		Berech	
				Tag	Ruhe	Nacht	Bezugsgr. B0		Anzahl B	Stellpl/BezGr f	Beweg/h/BezGr. N			Kpa	Parkplatzart	Kstro		Fahrbahnoberfl
				(dBA)	(dBA)	(dBA)					Tag	Ruhe	Nacht	(dB)		(dB)		
Kunden		LEBMARKT	ind	97.2	97.2	89.0	1m² Netto-Verkaufsfläche		1650	0.07	0.100	0.100	0.015	7.0	Parkplatz an Einkaufszentrum	0.0	Asphaltierte Fahrgassen	LfU-St
Kunden		DROGMARKT	ind	91.6	91.6	-51.8	1m² Netto-Verkaufsfläche		600	0.07	0.100	0.100	0.000	7.0	Parkplatz an Einkaufszentrum	0.0	Asphaltierte Fahrgassen	LfU-St

Immissionspunkte

Bezeichnung	M.	ID	Pegel Lr		Richtwert		Nutzungsart			Höhe		Koordinaten		
			Lde	Nacht	Lde	Nacht	Gebiet	Auto	Lärmart			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)				(m)		(m)	(m)	(m)
ip1			53.7	46.3	60.0	45.0	MI		Industrie	6.00	r	1007.22	630.92	139.00
ip2			55.2	45.9	60.0	45.0	MI		Industrie	6.00	r	1056.61	610.18	139.00
ip3			54.9	48.9	60.0	45.0	MI		Industrie	6.00	r	1121.70	664.12	139.00
ip4			46.9	44.1	60.0	45.0	MI		Industrie	4.00	r	1129.28	729.74	137.00
ip5			53.7	43.0	60.0	45.0	MI		Industrie	4.00	r	1024.01	718.19	137.00
ip6			55.9	47.1	60.0	45.0	MI		Industrie	4.00	r	1013.55	669.33	137.00
ip3a			55.9	51.8	60.0	45.0	MI		Industrie	4.00	r	1120.62	673.60	137.00

Auszug Berechnungsprotokoll

Immissionspunkt

Bez.: ip2

ID:

X: 1056.61

Y: 610.18

Z: 139.00

Punktquelle nach ISO 9613, Bez: "Verladesituation Schätzung", ID: "LADELEBMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1114.53	736.95	134.25	0	500	94.9	-88.0	3.0	0.0	53.9	0.3	3.8	0.0	0.0	10.3	0.0	-0.0	29.6	-88.0
2	1114.53	736.95	134.25	1	500	94.9	-88.0	3.0	0.0	54.0	0.3	3.8	0.0	0.0	7.0	0.0	8.0	24.9	-88.0
3	1114.53	736.95	134.25	1	500	94.9	-88.0	3.0	0.0	54.3	0.3	3.9	0.0	0.0	13.9	0.0	1.0	24.5	-88.0

Punktquelle nach ISO 9613, Bez: "Türenschiagen 4x / Lkw", ID: "LADEDROGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1047.68	705.33	135.20	0	500	66.1	-88.0	3.0	0.0	50.6	0.2	3.1	0.0	0.0	0.0	0.0	-0.0	15.3	-88.0

Punktquelle nach ISO 9613, Bez: "Motorstart", ID: "LADEDROGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1046.87	705.43	133.50	0	500	60.1	-88.0	3.0	0.0	50.6	0.2	3.4	0.0	0.0	0.0	0.0	-0.0	8.9	-88.0

Punktquelle nach ISO 9613, Bez: "Druckluft Betriebsbremse", ID: "LADEDROGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1047.35	706.23	133.50	0	500	68.1	-88.0	3.0	0.0	50.7	0.2	3.4	0.0	0.0	0.0	0.0	-0.0	16.8	-88.0

Punktquelle nach ISO 9613, Bez: "Motorstandlauf", ID: "LADEDROGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1047.82	705.85	133.50	0	63	20.1	-88.0	0.0	0.0	50.7	0.0	-3.0	0.0	0.0	5.3	0.0	-0.0	-32.9	-88.0
2	1047.82	705.85	133.50	0	125	33.2	-88.0	0.0	0.0	50.7	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-17.5	-88.0
3	1047.82	705.85	133.50	0	250	46.7	-88.0	0.0	0.0	50.7	0.1	0.1	0.0	0.0	0.0	0.0	-0.0	-4.3	-88.0
4	1047.82	705.85	133.50	0	500	59.1	-88.0	0.0	0.0	50.7	0.2	1.1	0.0	0.0	0.0	0.0	-0.0	7.1	-88.0
5	1047.82	705.85	133.50	0	1000	65.3	-88.0	0.0	0.0	50.7	0.4	-1.1	0.0	0.0	1.1	0.0	-0.0	14.2	-88.0
6	1047.82	705.85	133.50	0	2000	62.5	-88.0	0.0	0.0	50.7	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	10.9	-88.0
7	1047.82	705.85	133.50	0	4000	55.3	-88.0	0.0	0.0	50.7	3.1	-2.1	0.0	0.0	2.1	0.0	-0.0	1.4	-88.0
8	1047.82	705.85	133.50	0	8000	51.2	-88.0	0.0	0.0	50.7	11.3	-2.1	0.0	0.0	2.1	0.0	-0.0	-10.8	-88.0
9	1047.82	705.85	133.50	1	4000	55.3	-88.0	0.0	0.0	56.7	6.3	-2.1	0.0	0.0	27.1	0.0	1.0	-33.8	-88.0
10	1047.82	705.85	133.50	1	8000	51.2	-88.0	0.0	0.0	56.7	22.6	-2.1	0.0	0.0	27.1	0.0	1.0	-54.2	-88.0

Punktquelle nach ISO 9613, Bez: "Ladegeräusche 10 Rollis", ID: "LADEDROGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1050.54	718.26	134.25	0	63	37.5	-88.0	0.0	0.0	51.7	0.0	-3.0	0.0	0.0	4.8	0.0	-0.0	-16.1	-88.0
2	1050.54	718.26	134.25	0	125	56.6	-88.0	0.0	0.0	51.7	0.0	-1.2	0.0	0.0	1.2	0.0	-0.0	4.8	-88.0
3	1050.54	718.26	134.25	0	250	67.9	-88.0	0.0	0.0	51.7	0.1	-0.0	0.0	0.0	0.0	0.0	-0.0	16.1	-88.0
4	1050.54	718.26	134.25	0	500	73.5	-88.0	0.0	0.0	51.7	0.2	-0.3	0.0	0.0	0.3	0.0	-0.0	21.6	-88.0
5	1050.54	718.26	134.25	0	1000	74.7	-88.0	0.0	0.0	51.7	0.4	-1.8	0.0	0.0	1.8	0.0	-0.0	22.6	-88.0
6	1050.54	718.26	134.25	0	2000	74.9	-88.0	0.0	0.0	51.7	1.1	-2.1	0.0	0.0	2.1	0.0	-0.0	22.1	-88.0
7	1050.54	718.26	134.25	0	4000	68.5	-88.0	0.0	0.0	51.7	3.5	-2.1	0.0	0.0	2.1	0.0	-0.0	13.2	-88.0
8	1050.54	718.26	134.25	0	8000	58.7	-88.0	0.0	0.0	51.7	12.7	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.7	-88.0
9	1050.54	718.26	134.25	1	63	37.5	-88.0	0.0	0.0	51.8	0.0	-3.0	0.0	0.0	4.8	0.0	1.0	-17.2	-88.0
10	1050.54	718.26	134.25	1	125	56.6	-88.0	0.0	0.0	51.8	0.1	-1.2	0.0	0.0	1.2	0.0	1.0	3.7	-88.0
11	1050.54	718.26	134.25	1	250	67.9	-88.0	0.0	0.0	51.8	0.1	-0.0	0.0	0.0	0.0	0.0	1.0	14.9	-88.0
12	1050.54	718.26	134.25	1	500	73.5	-88.0	0.0	0.0	51.8	0.2	-0.3	0.0	0.0	0.3	0.0	1.0	20.4	-88.0
13	1050.54	718.26	134.25	1	1000	74.7	-88.0	0.0	0.0	51.8	0.4	-1.8	0.0	0.0	1.8	0.0	1.0	21.4	-88.0
14	1050.54	718.26	134.25	1	2000	74.9	-88.0	0.0	0.0	51.8	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	21.0	-88.0
15	1050.54	718.26	134.25	1	4000	68.5	-88.0	0.0	0.0	51.8	3.6	-2.1	0.0	0.0	2.1	0.0	1.0	12.0	-88.0
16	1050.54	718.26	134.25	1	8000	58.7	-88.0	0.0	0.0	51.8	12.8	-2.1	0.0	0.0	2.1	0.0	1.0	-7.0	-88.0

Punktquelle nach ISO 9613, Bez: "Druckluft Betriebsbremse", ID: "LADELEBMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1110.09	715.55	133.50	0	500	76.1	-88.0	3.0	0.0	52.5	0.2	3.7	0.0	0.0	5.7	0.0	-0.0	17.0	-88.0

Punktquelle nach ISO 9613, Bez: "Motorstandlauf", ID: "LADELEBMARKT"

Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1111.38	715.36	133.50	0	63	28.1	-88.0	0.0	0.0	52.5	0.0	-3.0	0.0	0.0	3.7	0.0	-0.0	-25.2	-88.0
2	1111.38	715.36	133.50	0	125	41.2	-88.0	0.0	0.0	52.5	0.1	-1.2	0.0	0.0	3.7	0.0	-0.0	-13.8	-88.0
3	1111.38	715.36	133.50	0	250	54.7	-88.0	0.0	0.0	52.5	0.1	0.3	0.0	0.0	3.8	0.0	-0.0	-2.0	-88.0
4	1111.38	715.36	133.50	0	500	67.1	-88.0	0.0	0.0	52.5	0.2	1.3	0.0	0.0	4.1	0.0	-0.0	9.0	-88.0
5	1111.38	715.36	133.50	0	1000	73.3	-88.0	0.0	0.0	52.5	0.4	-1.0	0.0	0.0	4.5	0.0	-0.0	16.8	-88.0
6	1111.38	715.36	133.50	0	2000	70.5	-88.0	0.0	0.0	52.5	1.2	-2.1	0.0	0.0	4.7	0.0	-0.0	14.2	-88.0
7	1111.38	715.36	133.50	0	4000	63.3	-88.0	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	4.8	0.0	-0.0	4.2	-88.0
8	1111.38	715.36	133.50	0	8000	59.2	-88.0	0.0	0.0	52.5	13.9	-2.1	0.0	0.0	4.8	0.0	-0.0	-9.9	-88.0
9	1111.38	715.36	133.50	1	1000	73.3	-88.0	0.0	0.0	56.8	0.7	-0.9	0.0	0.0	25.9	0.0	1.0	-10.3	-88.0
10	1111.38	715.36	133.50	1	2000	70.5	-88.0	0.0	0.0	56.8	1.9	-2.1	0.0	0.0	27.1	0.0	1.0	-14.2	-88.0
11	1111.38	715.36	133.50	1	4000	63.3	-88.0	0.0	0.0	56.8	6.4	-2.1	0.0	0.0	27.1	0.0	1.0	-25.9	-88.0
12	1111.38	715.36	133.50	1	8000	59.2	-88.0	0.0	0.0	56.8	22.8	-2.1	0.0	0.0	27.1	0.0	1.0	-46.4	-88.0

Punktquelle nach ISO 9613, Bez: "Motorstart", ID: "LADELEBMARKT"

Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1110.00	714.60	133.50	0	500	68.1	-88.0	3.0	0.0	52.4	0.2	3.7	0.0	0.0	5.0	0.0	-0.0	9.8	-88.0

Punktquelle nach ISO 9613, Bez: "Türenschiagen 4x / Lkw", ID: "LADELEBMARKT"

Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1111.38	714.31	135.20	0	500	74.1	-88.0	3.0	0.0	52.4	0.2	3.4	0.0	0.0	0.0	0.0	-0.0	21.1	-88.0

Punktquelle nach ISO 9613, Bez: "Kälteaggregat Lkw", ID: "LADELEBMARKT"

Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1111.33	718.03	135.50	0	32	40.3	-88.0	0.0	0.0	52.6	0.0	-3.0	0.0	0.0	3.3	0.0	-0.0	-12.7	-88.0
2	1111.33	718.03	135.50	0	63	68.7	-88.0	0.0	0.0	52.6	0.0	-3.0	0.0	0.0	3.6	0.0	-0.0	15.5	-88.0
3	1111.33	718.03	135.50	0	125	70.3	-88.0	0.0	0.0	52.6	0.1	-0.9	0.0	0.0	3.5	0.0	-0.0	15.1	-88.0
4	1111.33	718.03	135.50	0	250	73.2	-88.0	0.0	0.0	52.6	0.1	-0.7	0.0	0.0	4.3	0.0	-0.0	16.8	-88.0
5	1111.33	718.03	135.50	0	500	73.3	-88.0	0.0	0.0	52.6	0.2	-1.9	0.0	0.0	5.7	0.0	-0.0	16.6	-88.0
6	1111.33	718.03	135.50	0	1000	72.1	-88.0	0.0	0.0	52.6	0.4	-2.1	0.0	0.0	7.1	0.0	-0.0	14.0	-88.0
7	1111.33	718.03	135.50	0	2000	72.0	-88.0	0.0	0.0	52.6	1.2	-2.1	0.0	0.0	8.8	0.0	-0.0	11.5	-88.0
8	1111.33	718.03	135.50	0	4000	65.3	-88.0	0.0	0.0	52.6	4.0	-2.1	0.0	0.0	11.0	0.0	-0.0	-0.2	-88.0
9	1111.33	718.03	135.50	0	8000	55.9	-88.0	0.0	0.0	52.6	14.1	-2.1	0.0	0.0	13.4	0.0	-0.0	-22.2	-88.0
10	1111.33	718.03	135.50	1	1000	72.1	-88.0	0.0	0.0	56.9	0.7	-2.1	0.0	0.0	27.1	0.0	1.0	-11.5	-88.0
11	1111.33	718.03	135.50	1	2000	72.0	-88.0	0.0	0.0	56.9	1.9	-2.1	0.0	0.0	27.1	0.0	1.0	-12.8	-88.0
12	1111.33	718.03	135.50	1	4000	65.3	-88.0	0.0	0.0	56.9	6.5	-2.1	0.0	0.0	27.1	0.0	1.0	-24.0	-88.0
13	1111.33	718.03	135.50	1	8000	55.9	-88.0	0.0	0.0	56.9	23.0	-2.1	0.0	0.0	27.1	0.0	1.0	-50.0	-88.0

Linienquelle nach ISO 9613, Bez: "EKW1", ID: "SAMSTELL"

Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1061.27	691.00	134.00	0	32	15.8	-88.0	0.0	0.0	49.2	0.0	-3.0	0.0	0.0	6.7	0.0	-0.0	-37.1	-88.0
2	1061.27	691.00	134.00	0	63	37.0	-88.0	0.0	0.0	49.2	0.0	-3.0	0.0	0.0	5.2	0.0	-0.0	-14.4	-88.0
3	1061.27	691.00	134.00	0	125	54.1	-88.0	0.0	0.0	49.2	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	4.9	-88.0
4	1061.27	691.00	134.00	0	250	66.6	-88.0	0.0	0.0	49.2	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	17.3	-88.0
5	1061.27	691.00	134.00	0	500	79.0	-88.0	0.0	0.0	49.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.0	29.6	-88.0
6	1061.27	691.00	134.00	0	1000	82.2	-88.0	0.0	0.0	49.2	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	32.7	-88.0
7	1061.27	691.00	134.00	0	2000	80.4	-88.0	0.0	0.0	49.2	0.8	-2.1	0.0	0.0	2.1	0.0	-0.0	30.4	-88.0
8	1061.27	691.00	134.00	0	4000	75.2	-88.0	0.0	0.0	49.2	2.7	-2.1	0.0	0.0	2.1	0.0	-0.0	23.4	-88.0
9	1061.27	691.00	134.00	0	8000	68.1	-88.0	0.0	0.0	49.2	9.5	-2.1	0.0	0.0	2.1	0.0	-0.0	9.4	-88.0
10	1061.27	691.00	134.00	1	250	66.6	-88.0	0.0	0.0	51.9	0.1	0.1	0.0	0.0	0.0	0.0	1.0	13.4	-88.0
11	1061.27	691.00	134.00	1	500	79.0	-88.0	0.0	0.0	51.9	0.2	0.3	0.0	0.0	0.0	0.0	1.0	25.6	-88.0
12	1061.27	691.00	134.00	1	1000	82.2	-88.0	0.0	0.0	51.9	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	28.8	-88.0
13	1061.27	691.00	134.00	1	2000	80.4	-88.0	0.0	0.0	51.9	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	26.4	-88.0
14	1061.27	691.00	134.00	1	4000	75.2	-88.0	0.0	0.0	51.9	3.6	-2.1	0.0	0.0	2.1	0.0	1.0	18.6	-88.0
15	1061.27	691.00	134.00	1	8000	68.1	-88.0	0.0	0.0	51.9	13.0	-2.1	0.0	0.0	2.1	0.0	1.0	2.2	-88.0

Linienquelle nach ISO 9613, Bez: "EKW1", ID: "SAMSTELL"

Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1053.64	651.61	134.00	0	32	15.8	-88.0	0.0	0.0	43.4	0.0	-3.0	0.0	0.0	7.1	0.0	-0.0	-31.8	-88.0
2	1053.64	651.61	134.00	0	63	37.0	-88.0	0.0	0.0	43.4	0.0	-3.0	0.0	0.0	6.4	0.0	-0.0	-9.8	-88.0
3	1053.64	651.61	134.00	0	125	54.1	-88.0	0.0	0.0	43.4	0.0	-1.6	0.0	0.0	2.9	0.0	-0.0	9.4	-88.0
4	1053.64	651.61	134.00	0	250	66.6	-88.0	0.0	0.0	43.4	0.0	-0.7	0.0	0.0	0.7	0.0	-0.0	23.1	-88.0
5	1053.64	651.61	134.00	0	500	79.0	-88.0	0.0	0.0	43.4	0.1	-0.6	0.0	0.0	0.6	0.0	-0.0	35.5	-88.0
6	1053.64	651.61	134.00	0	1000	82.2	-88.0	0.0	0.0	43.4	0.2	-1.8	0.0	0.0	1.8	0.0	-0.0	38.6	-88.0

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "EKW1", ID: "SAMSTELL"

Nr.	X (m)	Y (m)	Z (m)	Ref.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
7	1053.64	651.61	134.00	0	2000	80.4	-88.0	0.0	0.0	43.4	0.4	-2.1	0.0	0.0	2.1	0.0	-0.0	36.5	-88.0
8	1053.64	651.61	134.00	0	4000	75.2	-88.0	0.0	0.0	43.4	1.4	-2.1	0.0	0.0	2.1	0.0	-0.0	30.4	-88.0
9	1053.64	651.61	134.00	0	8000	68.1	-88.0	0.0	0.0	43.4	4.9	-2.1	0.0	0.0	2.1	0.0	-0.0	19.8	-88.0
10	1053.64	651.61	134.00	1	500	79.0	-88.0	0.0	0.0	51.1	0.2	0.2	0.0	0.0	20.0	0.0	1.0	6.5	-88.0
11	1053.64	651.61	134.00	1	1000	82.2	-88.0	0.0	0.0	51.1	0.4	-1.6	0.0	0.0	25.5	0.0	1.0	5.8	-88.0
12	1053.64	651.61	134.00	1	2000	80.4	-88.0	0.0	0.0	51.1	1.0	-2.1	0.0	0.0	27.1	0.0	1.0	2.3	-88.0
13	1053.64	651.61	134.00	1	4000	75.2	-88.0	0.0	0.0	51.1	3.3	-2.1	0.0	0.0	27.1	0.0	1.0	-5.3	-88.0
14	1053.64	651.61	134.00	1	8000	68.1	-88.0	0.0	0.0	51.1	11.8	-2.1	0.0	0.0	27.1	0.0	1.0	-20.9	-88.0
15	1053.46	651.64	134.00	1	1000	81.7	-88.0	0.0	0.0	55.0	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	25.1	-88.0
16	1053.46	651.64	134.00	1	2000	79.9	-88.0	0.0	0.0	55.0	1.5	-2.1	0.0	0.0	2.1	0.0	1.0	22.3	-88.0
17	1053.46	651.64	134.00	1	4000	74.7	-88.0	0.0	0.0	55.0	5.2	-2.1	0.0	0.0	2.1	0.0	1.0	13.5	-88.0
18	1053.46	651.64	134.00	1	8000	67.6	-88.0	0.0	0.0	55.0	18.6	-2.1	0.0	0.0	2.1	0.0	1.0	-7.0	-88.0
19	1055.21	651.34	134.00	1	1000	72.2	-88.0	0.0	0.0	55.0	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	15.6	-88.0
20	1055.21	651.34	134.00	1	2000	70.4	-88.0	0.0	0.0	55.0	1.5	-2.1	0.0	0.0	2.1	0.0	1.0	12.9	-88.0
21	1055.21	651.34	134.00	1	4000	65.2	-88.0	0.0	0.0	55.0	5.2	-2.1	0.0	0.0	2.1	0.0	1.0	4.0	-88.0
22	1055.21	651.34	134.00	1	8000	58.1	-88.0	0.0	0.0	55.0	18.6	-2.1	0.0	0.0	2.1	0.0	1.0	-16.4	-88.0

Linienquelle nach ISO 9613, Bez: "EKW1", ID: "SAMSTELL"

Nr.	X (m)	Y (m)	Z (m)	Ref.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1082.79	647.64	134.00	0	32	15.8	-88.0	0.0	0.0	44.3	0.0	-3.0	0.0	0.0	7.1	0.0	-0.0	-32.6	-88.0
2	1082.79	647.64	134.00	0	63	37.0	-88.0	0.0	0.0	44.3	0.0	-3.0	0.0	0.0	6.3	0.0	-0.0	-10.6	-88.0
3	1082.79	647.64	134.00	0	125	54.1	-88.0	0.0	0.0	44.3	0.0	-1.5	0.0	0.0	2.8	0.0	-0.0	8.5	-88.0
4	1082.79	647.64	134.00	0	250	66.6	-88.0	0.0	0.0	44.3	0.1	-0.6	0.0	0.0	0.6	0.0	-0.0	22.3	-88.0
5	1082.79	647.64	134.00	0	500	79.0	-88.0	0.0	0.0	44.3	0.1	-0.5	0.0	0.0	0.5	0.0	-0.0	34.6	-88.0
6	1082.79	647.64	134.00	0	1000	82.2	-88.0	0.0	0.0	44.3	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	37.8	-88.0
7	1082.79	647.64	134.00	0	2000	80.4	-88.0	0.0	0.0	44.3	0.4	-2.1	0.0	0.0	2.1	0.0	-0.0	35.7	-88.0
8	1082.79	647.64	134.00	0	4000	75.2	-88.0	0.0	0.0	44.3	1.5	-2.1	0.0	0.0	2.1	0.0	-0.0	28.4	-88.0
9	1082.79	647.64	134.00	0	8000	68.1	-88.0	0.0	0.0	44.3	5.4	-2.1	0.0	0.0	2.1	0.0	-0.0	18.5	-88.0
10	1082.79	647.64	134.00	1	1000	82.2	-88.0	0.0	0.0	54.2	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	26.4	-88.0
11	1082.79	647.64	134.00	1	2000	80.4	-88.0	0.0	0.0	54.2	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	23.8	-88.0
12	1082.79	647.64	134.00	1	4000	75.2	-88.0	0.0	0.0	54.2	4.8	-2.1	0.0	0.0	2.1	0.0	1.0	15.2	-88.0
13	1082.79	647.64	134.00	1	8000	68.1	-88.0	0.0	0.0	54.2	16.9	-2.1	0.0	0.0	2.1	0.0	1.0	-4.1	-88.0

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWLEBMARKT"

Nr.	X (m)	Y (m)	Z (m)	Ref.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
1	1039.57	648.25	134.00	0	63	18.7	21.8	0.0	0.0	43.5	0.0	-3.0	0.0	0.0	6.8	0.0	-0.0	-28.7	-25.5
2	1039.57	648.25	134.00	0	125	42.8	45.9	0.0	0.0	43.5	0.0	-1.6	0.0	0.0	4.3	0.0	-0.0	-3.4	-0.3
3	1039.57	648.25	134.00	0	250	52.3	55.4	0.0	0.0	43.5	0.0	-0.7	0.0	0.0	0.7	0.0	-0.0	8.8	11.9
4	1039.57	648.25	134.00	0	500	61.7	64.8	0.0	0.0	43.5	0.1	-0.6	0.0	0.0	0.6	0.0	-0.0	18.1	21.3
5	1039.57	648.25	134.00	0	1000	68.9	72.0	0.0	0.0	43.5	0.2	-1.8	0.0	0.0	1.8	0.0	-0.0	25.3	28.4
6	1039.57	648.25	134.00	0	2000	68.1	71.2	0.0	0.0	43.5	0.4	-2.1	0.0	0.0	2.1	0.0	-0.0	24.2	27.4
7	1039.57	648.25	134.00	0	4000	61.9	65.0	0.0	0.0	43.5	1.4	-2.1	0.0	0.0	2.1	0.0	-0.0	17.0	20.2
8	1039.57	648.25	134.00	0	8000	53.8	56.9	0.0	0.0	43.5	4.9	-2.1	0.0	0.0	2.1	0.0	-0.0	5.4	8.5
9	1030.03	630.27	134.00	0	63	14.4	17.6	0.0	0.0	41.5	0.0	-3.0	0.0	0.0	7.8	0.0	-0.0	-31.9	-28.8
10	1030.03	630.27	134.00	0	125	38.5	41.7	0.0	0.0	41.5	0.0	-1.6	0.0	0.0	6.4	0.0	-0.0	-7.8	-4.6
11	1030.03	630.27	134.00	0	250	48.0	51.2	0.0	0.0	41.5	0.0	-0.9	0.0	0.0	5.6	0.0	-0.0	1.7	4.8
12	1030.03	630.27	134.00	0	500	57.4	60.6	0.0	0.0	41.5	0.1	-0.8	0.0	0.0	5.5	0.0	-0.0	11.1	14.2
13	1030.03	630.27	134.00	0	1000	64.6	67.8	0.0	0.0	41.5	0.1	-1.8	0.0	0.0	6.5	0.0	-0.0	18.3	21.4
14	1030.03	630.27	134.00	0	2000	63.8	67.0	0.0	0.0	41.5	0.3	-2.1	0.0	0.0	6.7	0.0	-0.0	17.4	20.5
15	1030.03	630.27	134.00	0	4000	57.6	60.8	0.0	0.0	41.5	1.1	-2.1	0.0	0.0	6.5	0.0	-0.0	10.6	13.7
16	1030.03	630.27	134.00	0	8000	49.5	52.7	0.0	0.0	41.5	3.9	-2.1	0.0	0.0	6.0	0.0	-0.0	0.1	3.2
17	1031.79	634.01	134.00	0	63	7.7	10.8	0.0	0.0	41.8	0.0	-3.0	0.0	0.0	7.8	0.0	-0.0	-38.9	-35.8
18	1031.79	634.01	134.00	0	125	31.8	34.9	0.0	0.0	41.8	0.0	-1.6	0.0	0.0	6.4	0.0	-0.0	-14.8	-11.7
19	1031.79	634.01	134.00	0	250	41.3	44.4	0.0	0.0	41.8	0.0	-0.9	0.0	0.0	5.6	0.0	-0.0	-5.3	-2.2
20	1031.79	634.01	134.00	0	500	50.7	53.8	0.0	0.0	41.8	0.1	-0.8	0.0	0.0	5.5	0.0	-0.0	4.1	7.2
21	1031.79	634.01	134.00	0	1000	57.9	61.0	0.0	0.0	41.8	0.1	-1.8	0.0	0.0	6.4	0.0	-0.0	11.3	14.4
22	1031.79	634.01	134.00	0	2000	57.1	60.2	0.0	0.0	41.8	0.3	-2.1	0.0	0.0	6.6	0.0	-0.0	10.4	13.6
23	1031.79	634.01	134.00	0	4000	50.9	54.0	0.0	0.0	41.8	1.1	-2.1	0.0	0.0	6.3	0.0	-0.0	3.7	6.8
24	1031.79	634.01	134.00	0	8000	42.8	45.9	0.0	0.0	41.8	4.1	-2.1	0.0	0.0	5.6	0.0	-0.0	-6.6	-3.5
25	1075.07	664.28	134.00	0	63	19.0	22.1	0.0	0.0	46.2	0.0	-3.0	0.0	0.0	5.7	0.0	-0.0	-29.9	-26.7
26	1075.07	664.28	134.00	0	125	43.1	46.2	0.0	0.0	46.2	0.0	-1.5	0.0	0.0	1.5	0.0	-0.0	-3.1	0.0
27	1075.07	664.28	134.00	0	250	52.6	55.7	0.0	0.0	46.2	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	6.4	9.5
28	1075.07	664.28	134.00	0	500	62.0	65.1	0.0	0.0	46.2	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	15.7	18.9
29	1075.07	664.28	134.00	0	1000	69.2	72.3	0.0	0.0	46.2	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	22.8	25.9
30	1075.07	664.28	134.00	0	2000	68.4	71.5	0.0	0.0	46.2	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	21.7	24.8
31	1075.07	664.28	134.00	0	4000	62.2	65.3	0.0	0.0	46.2	1.9	-2.1	0.0	0.0	2.1	0.0	-0.0	14.1	17.3

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahou	Abar	Crmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	dB(A)	dB(A)								
32	1075.07	664.28	134.00	0	8000	54.1	57.2	0.0	0.0	46.2	6.7	-2.1	0.0	0.0	2.1	0.0	-0.0	1.2	4.4
33	1034.54	637.11	134.00	0	63	14.5	17.6	0.0	0.0	41.9	0.0	-3.0	0.0	0.0	7.6	0.0	-0.0	-32.0	-28.9
34	1034.54	637.11	134.00	0	125	38.6	41.7	0.0	0.0	41.9	0.0	-1.6	0.0	0.0	6.1	0.0	-0.0	-7.8	-4.6
35	1034.54	637.11	134.00	0	250	48.1	51.2	0.0	0.0	41.9	0.0	-0.9	0.0	0.0	4.9	0.0	-0.0	2.1	5.2
36	1034.54	637.11	134.00	0	500	57.5	60.6	0.0	0.0	41.9	0.1	-0.8	0.0	0.0	4.0	0.0	-0.0	12.3	15.4
37	1034.54	637.11	134.00	0	1000	64.7	67.8	0.0	0.0	41.9	0.1	-1.8	0.0	0.0	2.6	0.0	-0.0	21.9	25.0
38	1034.54	637.11	134.00	0	2000	63.9	67.0	0.0	0.0	41.9	0.3	-2.1	0.0	0.0	2.1	0.0	-0.0	21.6	24.8
39	1034.54	637.11	134.00	0	4000	57.7	60.8	0.0	0.0	41.9	1.2	-2.1	0.0	0.0	2.1	0.0	-0.0	14.6	17.7
40	1034.54	637.11	134.00	0	8000	49.6	52.7	0.0	0.0	41.9	4.1	-2.1	0.0	0.0	2.1	0.0	-0.0	3.5	6.7
41	1043.47	662.91	134.00	0	63	16.9	20.1	0.0	0.0	45.7	0.0	-3.0	0.0	0.0	6.1	0.0	-0.0	-31.9	-28.8
42	1043.47	662.91	134.00	0	125	41.0	44.2	0.0	0.0	45.7	0.0	-1.5	0.0	0.0	1.9	0.0	-0.0	-5.2	-2.0
43	1043.47	662.91	134.00	0	250	50.5	53.7	0.0	0.0	45.7	0.1	-0.5	0.0	0.0	0.5	0.0	-0.0	4.8	7.9
44	1043.47	662.91	134.00	0	500	59.9	63.1	0.0	0.0	45.7	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	14.1	17.2
45	1043.47	662.91	134.00	0	1000	67.1	70.3	0.0	0.0	45.7	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	21.2	24.4
46	1043.47	662.91	134.00	0	2000	66.3	69.5	0.0	0.0	45.7	0.5	-2.1	0.0	0.0	2.1	0.0	-0.0	20.1	23.2
47	1043.47	662.91	134.00	0	4000	60.1	63.3	0.0	0.0	45.7	1.8	-2.1	0.0	0.0	2.1	0.0	-0.0	12.6	15.8
48	1043.47	662.91	134.00	0	8000	52.0	55.2	0.0	0.0	45.7	6.4	-2.1	0.0	0.0	2.1	0.0	-0.0	-0.1	3.1
49	1051.06	670.07	134.00	0	63	10.2	13.4	0.0	0.0	46.6	0.0	-3.0	0.0	0.0	5.7	0.0	-0.0	-39.1	-36.0
50	1051.06	670.07	134.00	0	125	34.3	37.5	0.0	0.0	46.6	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-12.3	-9.2
51	1051.06	670.07	134.00	0	250	43.8	47.0	0.0	0.0	46.6	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	-2.9	0.3
52	1051.06	670.07	134.00	0	500	53.2	56.4	0.0	0.0	46.6	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	6.5	9.6
53	1051.06	670.07	134.00	0	1000	60.4	63.6	0.0	0.0	46.6	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	13.6	16.7
54	1051.06	670.07	134.00	0	2000	59.6	62.8	0.0	0.0	46.6	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	12.4	15.6
55	1051.06	670.07	134.00	0	4000	53.4	56.6	0.0	0.0	46.6	2.0	-2.1	0.0	0.0	2.1	0.0	-0.0	4.8	8.0
56	1051.06	670.07	134.00	0	8000	45.3	48.5	0.0	0.0	46.6	7.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-8.4	-5.2
57	1058.92	668.09	134.00	0	63	17.4	20.6	0.0	0.0	46.3	0.0	-3.0	0.0	0.0	5.7	0.0	-0.0	-31.5	-28.4
58	1058.92	668.09	134.00	0	125	41.5	44.7	0.0	0.0	46.3	0.0	-1.5	0.0	0.0	1.5	0.0	-0.0	-4.8	-1.7
59	1058.92	668.09	134.00	0	250	51.0	54.2	0.0	0.0	46.3	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	4.7	7.8
60	1058.92	668.09	134.00	0	500	60.4	63.6	0.0	0.0	46.3	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	14.0	17.2
61	1058.92	668.09	134.00	0	1000	67.6	70.8	0.0	0.0	46.3	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	21.1	24.3
62	1058.92	668.09	134.00	0	2000	66.8	70.0	0.0	0.0	46.3	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	20.0	23.1
63	1058.92	668.09	134.00	0	4000	60.6	63.8	0.0	0.0	46.3	1.9	-2.1	0.0	0.0	2.1	0.0	-0.0	12.4	15.6
64	1058.92	668.09	134.00	0	8000	52.5	55.7	0.0	0.0	46.3	6.8	-2.1	0.0	0.0	2.1	0.0	-0.0	-0.6	2.6
65	1096.60	649.32	134.00	0	63	17.1	20.2	0.0	0.0	46.0	0.0	-3.0	0.0	0.0	6.4	0.0	-0.0	-32.3	-29.2
66	1096.60	649.32	134.00	0	125	41.2	44.3	0.0	0.0	46.0	0.0	-1.5	0.0	0.0	2.8	0.0	-0.0	-6.1	-3.0
67	1096.60	649.32	134.00	0	250	50.7	53.8	0.0	0.0	46.0	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	4.6	7.8
68	1096.60	649.32	134.00	0	500	60.1	63.2	0.0	0.0	46.0	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	14.0	17.1
69	1096.60	649.32	134.00	0	1000	67.3	70.4	0.0	0.0	46.0	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	21.1	24.2
70	1096.60	649.32	134.00	0	2000	66.5	69.6	0.0	0.0	46.0	0.5	-2.1	0.0	0.0	2.1	0.0	-0.0	19.9	23.1
71	1096.60	649.32	134.00	0	4000	60.3	63.4	0.0	0.0	46.0	1.8	-2.1	0.0	0.0	2.1	0.0	-0.0	12.4	15.6
72	1096.60	649.32	134.00	0	8000	52.2	55.3	0.0	0.0	46.0	6.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-0.4	2.8
73	1089.95	660.92	134.00	0	63	16.5	19.6	0.0	0.0	46.7	0.0	-3.0	0.0	0.0	5.8	0.0	-0.0	-33.1	-29.9
74	1089.95	660.92	134.00	0	125	40.6	43.7	0.0	0.0	46.7	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-6.1	-3.0
75	1089.95	660.92	134.00	0	250	50.1	53.2	0.0	0.0	46.7	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	3.3	6.5
76	1089.95	660.92	134.00	0	500	59.5	62.6	0.0	0.0	46.7	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	12.7	15.8
77	1089.95	660.92	134.00	0	1000	66.7	69.8	0.0	0.0	46.7	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	19.8	22.9
78	1089.95	660.92	134.00	0	2000	65.9	69.0	0.0	0.0	46.7	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	18.6	21.7
79	1089.95	660.92	134.00	0	4000	59.7	62.8	0.0	0.0	46.7	2.0	-2.1	0.0	0.0	2.1	0.0	-0.0	11.0	14.1
80	1089.95	660.92	134.00	0	8000	51.6	54.7	0.0	0.0	46.7	7.1	-2.1	0.0	0.0	2.1	0.0	-0.0	-2.2	0.9
81	1047.28	669.63	134.00	0	63	13.3	16.4	0.0	0.0	46.6	0.0	-3.0	0.0	0.0	5.8	0.0	-0.0	-36.1	-33.0
82	1047.28	669.63	134.00	0	125	37.4	40.5	0.0	0.0	46.6	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-9.2	-6.1
83	1047.28	669.63	134.00	0	250	46.9	50.0	0.0	0.0	46.6	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	0.2	3.4
84	1047.28	669.63	134.00	0	500	56.3	59.4	0.0	0.0	46.6	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	9.6	12.7
85	1047.28	669.63	134.00	0	1000	63.5	66.6	0.0	0.0	46.6	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	16.7	19.8
86	1047.28	669.63	134.00	0	2000	62.7	65.8	0.0	0.0	46.6	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	15.5	18.6
87	1047.28	669.63	134.00	0	4000	56.5	59.6	0.0	0.0	46.6	2.0	-2.1	0.0	0.0	2.1	0.0	-0.0	7.9	11.0
88	1047.28	669.63	134.00	0	8000	48.4	51.5	0.0	0.0	46.6	7.1	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.3	-2.1
89	1096.67	657.57	134.00	0	63	13.1	16.3	0.0	0.0	46.9	0.0	-3.0	0.0	0.0	6.0	0.0	-0.0	-36.8	-33.6
90	1096.67	657.57	134.00	0	125	37.2	40.4	0.0	0.0	46.9	0.0	-1.4	0.0	0.0	1.6	0.0	-0.0	-9.8	-6.6
91	1096.67	657.57	134.00	0	250	46.7	49.9	0.0	0.0	46.9	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	-0.2	2.9
92	1096.67	657.57	134.00	0	500	56.1	59.3	0.0	0.0	46.9	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	9.1	12.3
93	1096.67	657.57	134.00	0	1000	63.3	66.5	0.0	0.0	46.9	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	16.2	19.4
94	1096.67	657.57	134.00	0	2000	62.5	65.7	0.0	0.0	46.9	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	15.1	18.2
95	1096.67	657.57	134.00	0	4000	56.3	59.5	0.0	0.0	46.9	2.0	-2.1	0.0	0.0	2.1	0.0	-0.0	7.4	10.6
96	1096.67	657.57	134.00	0	8000	48.2	51.4	0.0	0.0	46.9	7.3	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.9	-2.8
97	1041.97	656.27	134.00	1	500	50.6	53.8	0.0	0.0	51.4	0.2	0.2	0.0	0.0	19.4	0.0	1.0	-21.6	-18.4
98	1041.97	656.27	134.00	1	1000	57.8	61.0	0.0	0.0	51.4	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-18.6	-15.5
99	1041.97	656.27	134.00	1	2000	57.0	60.2	0.0	0.0	51.4	1.0	-2.1	0.0						

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
100	1041.97	656.27	134.00	1	4000	50.8	54.0	0.0	0.0	51.4	3.4	-2.1	0.0	0.0	27.1	0.0	1.0	-30.0	-26.8
101	1041.97	656.27	134.00	1	8000	42.7	45.9	0.0	0.0	51.4	12.2	-2.1	0.0	0.0	27.1	0.0	1.0	-46.8	-43.7
102	1039.51	648.04	134.00	1	4000	61.8	64.9	0.0	0.0	53.6	4.4	-2.1	0.0	0.0	27.1	0.0	1.0	-22.3	-19.2
103	1039.51	648.04	134.00	1	8000	53.7	56.8	0.0	0.0	53.6	15.8	-2.1	0.0	0.0	27.1	0.0	1.0	-41.8	-38.6
104	1042.11	656.74	134.00	1	4000	45.9	49.0	0.0	0.0	54.2	4.7	-2.1	0.0	0.0	27.1	0.0	1.0	-39.1	-35.9
105	1042.11	656.74	134.00	1	8000	37.8	40.9	0.0	0.0	54.2	16.8	-2.1	0.0	0.0	27.1	0.0	1.0	-59.3	-56.1
106	1039.57	648.25	134.00	1	1000	68.9	72.0	0.0	0.0	55.0	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	12.3	15.4
107	1039.57	648.25	134.00	1	2000	68.1	71.2	0.0	0.0	55.0	1.5	-2.1	0.0	0.0	2.1	0.0	1.0	10.5	13.7
108	1039.57	648.25	134.00	1	4000	61.9	65.0	0.0	0.0	55.0	5.2	-2.1	0.0	0.0	2.1	0.0	1.0	0.7	3.8
109	1039.57	648.25	134.00	1	8000	53.8	56.9	0.0	0.0	55.0	18.5	-2.1	0.0	0.0	2.1	0.0	1.0	-20.8	-17.7
110	1030.34	630.93	134.00	1	1000	65.5	68.6	0.0	0.0	56.0	0.7	-1.5	0.0	0.0	1.5	0.0	1.0	7.8	10.9
111	1030.34	630.93	134.00	1	2000	64.7	67.8	0.0	0.0	56.0	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	5.9	9.0
112	1030.34	630.93	134.00	1	4000	58.5	61.6	0.0	0.0	56.0	5.8	-2.1	0.0	0.0	2.1	0.0	1.0	-4.4	-1.3
113	1030.34	630.93	134.00	1	8000	50.4	53.5	0.0	0.0	56.0	20.8	-2.1	0.0	0.0	2.1	0.0	1.0	-27.5	-24.4
114	1066.31	666.24	134.00	1	500	51.1	54.3	0.0	0.0	52.5	0.2	0.3	0.0	0.0	20.3	0.0	1.0	-23.2	-20.0
115	1066.31	666.24	134.00	1	1000	58.3	61.5	0.0	0.0	52.5	0.4	-1.6	0.0	0.0	25.6	0.0	1.0	-19.6	-16.5
116	1066.31	666.24	134.00	1	2000	57.5	60.7	0.0	0.0	52.5	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-22.1	-19.0
117	1066.31	666.24	134.00	1	4000	51.3	54.5	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	27.1	0.0	1.0	-31.0	-27.9
118	1066.31	666.24	134.00	1	8000	43.2	46.4	0.0	0.0	52.5	13.8	-2.1	0.0	0.0	27.1	0.0	1.0	-49.1	-45.9
119	1069.76	665.47	134.00	1	500	56.5	59.6	0.0	0.0	52.5	0.2	0.3	0.0	0.0	20.3	0.0	1.0	-17.9	-14.7
120	1069.76	665.47	134.00	1	1000	63.7	66.8	0.0	0.0	52.5	0.4	-1.6	0.0	0.0	25.6	0.0	1.0	-14.3	-11.2
121	1069.76	665.47	134.00	1	2000	62.9	66.0	0.0	0.0	52.5	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-16.8	-13.7
122	1069.76	665.47	134.00	1	4000	56.7	59.8	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	27.1	0.0	1.0	-25.7	-22.6
123	1069.76	665.47	134.00	1	8000	48.6	51.7	0.0	0.0	52.5	13.9	-2.1	0.0	0.0	27.1	0.0	1.0	-43.8	-40.7
124	1075.07	664.28	134.00	1	500	62.0	65.1	0.0	0.0	53.2	0.3	0.4	0.0	0.0	0.0	0.0	1.0	7.1	10.3
125	1075.07	664.28	134.00	1	1000	69.2	72.3	0.0	0.0	53.2	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	14.5	17.6
126	1075.07	664.28	134.00	1	2000	68.4	71.5	0.0	0.0	53.2	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	12.9	16.0
127	1075.07	664.28	134.00	1	4000	62.2	65.3	0.0	0.0	53.2	4.2	-2.1	0.0	0.0	2.1	0.0	1.0	3.7	6.8
128	1075.07	664.28	134.00	1	8000	54.1	57.2	0.0	0.0	53.2	15.1	-2.1	0.0	0.0	2.1	0.0	1.0	-15.3	-12.1
129	1034.92	637.49	134.00	1	2000	63.1	66.3	0.0	0.0	52.9	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-17.0	-13.8
130	1034.92	637.49	134.00	1	4000	56.9	60.1	0.0	0.0	52.9	4.1	-2.1	0.0	0.0	27.1	0.0	1.0	-26.0	-22.9
131	1034.92	637.49	134.00	1	8000	48.8	52.0	0.0	0.0	52.9	14.5	-2.1	0.0	0.0	27.1	0.0	1.0	-44.6	-41.4
132	1034.54	637.11	134.00	1	1000	64.7	67.8	0.0	0.0	55.6	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	7.4	10.5
133	1034.54	637.11	134.00	1	2000	63.9	67.0	0.0	0.0	55.6	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	5.5	8.7
134	1034.54	637.11	134.00	1	4000	57.7	60.8	0.0	0.0	55.6	5.6	-2.1	0.0	0.0	2.1	0.0	1.0	-4.6	-1.5
135	1034.54	637.11	134.00	1	8000	49.6	52.7	0.0	0.0	55.6	20.0	-2.1	0.0	0.0	2.1	0.0	1.0	-27.1	-23.9
136	1043.47	662.91	134.00	1	500	59.9	63.1	0.0	0.0	51.9	0.2	0.3	0.0	0.0	19.4	0.0	1.0	-12.8	-9.7
137	1043.47	662.91	134.00	1	1000	67.1	70.3	0.0	0.0	51.9	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-9.8	-6.7
138	1043.47	662.91	134.00	1	2000	66.3	69.5	0.0	0.0	51.9	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-12.7	-9.5
139	1043.47	662.91	134.00	1	4000	60.1	63.3	0.0	0.0	51.9	3.6	-2.1	0.0	0.0	27.1	0.0	1.0	-21.4	-18.3
140	1043.47	662.91	134.00	1	8000	52.0	55.2	0.0	0.0	51.9	13.0	-2.1	0.0	0.0	27.1	0.0	1.0	-38.9	-35.7
141	1042.43	658.16	134.00	1	4000	53.2	56.3	0.0	0.0	54.3	4.8	-2.1	0.0	0.0	27.1	0.0	1.0	-31.9	-28.7
142	1042.43	658.16	134.00	1	8000	45.1	48.2	0.0	0.0	54.3	17.0	-2.1	0.0	0.0	27.1	0.0	1.0	-52.2	-49.1
143	1042.74	659.55	134.00	1	4000	45.3	48.4	0.0	0.0	54.3	4.8	-2.1	0.0	0.0	27.1	0.0	1.0	-39.9	-36.8
144	1042.74	659.55	134.00	1	8000	37.2	40.3	0.0	0.0	54.3	17.2	-2.1	0.0	0.0	27.1	0.0	1.0	-60.3	-57.2
145	1043.56	663.32	134.00	1	4000	57.9	61.1	0.0	0.0	54.6	4.9	-2.1	0.0	0.0	27.1	0.0	1.0	-27.6	-24.5
146	1043.56	663.32	134.00	1	8000	49.8	53.0	0.0	0.0	54.6	17.6	-2.1	0.0	0.0	27.1	0.0	1.0	-48.4	-45.3
147	1044.55	667.88	134.00	1	4000	52.3	55.5	0.0	0.0	54.8	5.1	-2.1	0.0	0.0	27.1	0.0	1.0	-33.6	-30.5
148	1044.55	667.88	134.00	1	8000	44.2	47.4	0.0	0.0	54.8	18.2	-2.1	0.0	0.0	27.1	0.0	1.0	-54.8	-51.6
149	1043.47	662.91	134.00	1	1000	67.1	70.3	0.0	0.0	54.1	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	11.5	14.6
150	1043.47	662.91	134.00	1	2000	66.3	69.5	0.0	0.0	54.1	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	9.8	12.9
151	1043.47	662.91	134.00	1	4000	60.1	63.3	0.0	0.0	54.1	4.7	-2.1	0.0	0.0	2.1	0.0	1.0	0.3	3.4
152	1043.47	662.91	134.00	1	8000	52.0	55.2	0.0	0.0	54.1	16.8	-2.1	0.0	0.0	2.1	0.0	1.0	-19.9	-16.8
153	1065.34	666.47	134.00	1	500	44.9	48.1	0.0	0.0	52.5	0.2	0.3	0.0	0.0	20.2	0.0	1.0	-29.3	-26.2
154	1065.34	666.47	134.00	1	1000	52.1	55.3	0.0	0.0	52.5	0.4	-1.6	0.0	0.0	25.6	0.0	1.0	-25.8	-22.7
155	1065.34	666.47	134.00	1	2000	51.3	54.5	0.0	0.0	52.5	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-28.3	-25.2
156	1065.34	666.47	134.00	1	4000	45.1	48.3	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	27.1	0.0	1.0	-37.2	-34.1
157	1065.34	666.47	134.00	1	8000	37.0	40.2	0.0	0.0	52.5	13.8	-2.1	0.0	0.0	27.1	0.0	1.0	-55.3	-52.1
158	1053.20	669.53	134.00	1	1000	64.7	67.9	0.0	0.0	53.5	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	9.7	12.8
159	1053.20	669.53	134.00	1	2000	63.9	67.1	0.0	0.0	53.5	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	8.1	11.2
160	1053.20	669.53	134.00	1	4000	57.7	60.9	0.0	0.0	53.5	4.4	-2.1	0.0	0.0	2.1	0.0	1.0	-1.2	1.9
161	1053.20	669.53	134.00	1	8000	49.6	52.8	0.0	0.0	53.5	15.7	-2.1	0.0	0.0	2.1	0.0	1.0	-20.6	-17.4
162	1065.45	666.44	134.00	1	500	40.9	44.1	0.0	0.0	53.2	0.3	0.4	0.0	0.0	0.0	0.0	1.0	-13.9	-10.8
163	1065.45	666.44	134.00	1	1000	48.1	51.3	0.0	0.0	53.2	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	-6.6	-3.4
164	1065.45	666.44	134.00	1	2000	47.3	50.5	0.0	0.0	53.2	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	-8.2	-5.0
165	1065.45	666.44	134.00	1	4000	41.1	44.3	0.0	0.0	53.2	4.2	-2.1	0.0	0.0	2.1	0.0	1.0	-17.3	-14.2
166	1065.45	666.44	134.00	1	8000	33.0	36.2	0.0	0.0	53.2	15.1	-2.1							

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
168	1058.32	668.24	134.00	1	2000	60.1	63.3	0.0	0.0	54.0	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	3.7	6.9
169	1058.32	668.24	134.00	1	4000	53.9	57.1	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	2.1	0.0	1.0	-5.7	-2.6
170	1058.32	668.24	134.00	1	8000	45.8	49.0	0.0	0.0	54.0	16.6	-2.1	0.0	0.0	2.1	0.0	1.0	-25.8	-22.6
171	1062.58	667.16	134.00	1	1000	64.0	67.1	0.0	0.0	54.0	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	8.4	11.6
172	1062.58	667.16	134.00	1	2000	63.2	66.3	0.0	0.0	54.0	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	6.8	9.9
173	1062.58	667.16	134.00	1	4000	57.0	60.1	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	2.1	0.0	1.0	-2.7	0.4
174	1062.58	667.16	134.00	1	8000	48.9	52.0	0.0	0.0	54.0	16.5	-2.1	0.0	0.0	2.1	0.0	1.0	-22.7	-19.6
175	1096.62	649.44	134.00	1	500	60.0	63.1	0.0	0.0	52.2	0.2	0.3	0.0	0.0	21.2	0.0	1.0	-15.0	-11.8
176	1096.62	649.44	134.00	1	1000	67.2	70.3	0.0	0.0	52.2	0.4	-1.6	0.0	0.0	26.0	0.0	1.0	-10.9	-7.8
177	1096.62	649.44	134.00	1	2000	66.4	69.5	0.0	0.0	52.2	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-12.9	-9.8
178	1096.62	649.44	134.00	1	4000	60.2	63.3	0.0	0.0	52.2	3.8	-2.1	0.0	0.0	27.1	0.0	1.0	-21.8	-18.7
179	1096.62	649.44	134.00	1	8000	52.1	55.2	0.0	0.0	52.2	13.4	-2.1	0.0	0.0	27.1	0.0	1.0	-39.5	-36.4
180	1095.17	643.33	134.00	1	500	42.8	46.0	0.0	0.0	51.7	0.2	0.3	0.0	0.0	21.4	0.0	1.0	-31.7	-28.6
181	1095.17	643.33	134.00	1	1000	50.0	53.2	0.0	0.0	51.7	0.4	-1.6	0.0	0.0	26.1	0.0	1.0	-27.7	-24.5
182	1095.17	643.33	134.00	1	2000	49.2	52.4	0.0	0.0	51.7	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-29.6	-26.4
183	1095.17	643.33	134.00	1	4000	43.0	46.2	0.0	0.0	51.7	3.6	-2.1	0.0	0.0	27.1	0.0	1.0	-38.3	-35.1
184	1095.17	643.33	134.00	1	8000	34.9	38.1	0.0	0.0	51.7	12.7	-2.1	0.0	0.0	27.1	0.0	1.0	-55.5	-52.4
185	1097.55	653.34	134.00	1	1000	62.6	65.7	0.0	0.0	54.6	0.6	-1.5	0.0	0.0	13.0	0.0	1.0	-5.0	-1.9
186	1097.55	653.34	134.00	1	2000	61.8	64.9	0.0	0.0	54.6	1.5	-2.1	0.0	0.0	16.7	0.0	1.0	-9.8	-6.6
187	1097.55	653.34	134.00	1	4000	55.6	58.7	0.0	0.0	54.6	4.9	-2.1	0.0	0.0	19.6	0.0	1.0	-22.4	-19.3
188	1097.55	653.34	134.00	1	8000	47.5	50.6	0.0	0.0	54.6	17.6	-2.1	0.0	0.0	22.6	0.0	1.0	-46.1	-43.0
189	1096.16	647.50	134.00	1	1000	61.5	64.7	0.0	0.0	54.2	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	5.8	9.0
190	1096.16	647.50	134.00	1	2000	60.7	63.9	0.0	0.0	54.2	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	4.1	7.3
191	1096.16	647.50	134.00	1	4000	54.5	57.7	0.0	0.0	54.2	4.7	-2.1	0.0	0.0	2.1	0.0	1.0	-5.4	-2.3
192	1096.16	647.50	134.00	1	8000	46.4	49.6	0.0	0.0	54.2	16.9	-2.1	0.0	0.0	2.1	0.0	1.0	-25.6	-22.5
193	1095.46	644.54	134.00	1	1000	60.6	63.8	0.0	0.0	54.4	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	4.7	7.9
194	1095.46	644.54	134.00	1	2000	59.8	63.0	0.0	0.0	54.4	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	3.0	6.2
195	1095.46	644.54	134.00	1	4000	53.6	56.8	0.0	0.0	54.4	4.8	-2.1	0.0	0.0	2.1	0.0	1.0	-6.6	-3.4
196	1095.46	644.54	134.00	1	8000	45.5	48.7	0.0	0.0	54.4	17.2	-2.1	0.0	0.0	2.1	0.0	1.0	-27.1	-23.9
197	1094.90	659.79	134.00	1	500	48.2	51.3	0.0	0.0	52.8	0.2	0.3	0.0	0.0	21.1	0.0	1.0	-27.3	-24.2
198	1094.90	659.79	134.00	1	1000	55.4	58.5	0.0	0.0	52.8	0.5	-1.5	0.0	0.0	25.9	0.0	1.0	-23.3	-20.2
199	1094.90	659.79	134.00	1	2000	54.6	57.7	0.0	0.0	52.8	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-25.4	-22.3
200	1094.90	659.79	134.00	1	4000	48.4	51.5	0.0	0.0	52.8	4.0	-2.1	0.0	0.0	27.1	0.0	1.0	-34.5	-31.4
201	1094.90	659.79	134.00	1	8000	40.3	43.4	0.0	0.0	52.8	14.4	-2.1	0.0	0.0	27.1	0.0	1.0	-53.0	-49.8
202	1089.95	660.92	134.00	1	500	59.5	62.6	0.0	0.0	53.3	0.3	0.4	0.0	0.0	0.0	0.0	1.0	4.5	7.6
203	1089.95	660.92	134.00	1	1000	66.7	69.8	0.0	0.0	53.3	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	11.8	15.0
204	1089.95	660.92	134.00	1	2000	65.9	69.0	0.0	0.0	53.3	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	10.3	13.4
205	1089.95	660.92	134.00	1	4000	59.7	62.8	0.0	0.0	53.3	4.3	-2.1	0.0	0.0	2.1	0.0	1.0	1.0	4.2
206	1089.95	660.92	134.00	1	8000	51.6	54.7	0.0	0.0	53.3	15.3	-2.1	0.0	0.0	2.1	0.0	1.0	-18.1	-15.0
207	1045.20	668.99	134.00	1	4000	48.8	52.0	0.0	0.0	54.9	5.1	-2.1	0.0	0.0	27.1	0.0	1.0	-37.2	-34.1
208	1045.20	668.99	134.00	1	8000	40.7	43.9	0.0	0.0	54.9	18.3	-2.1	0.0	0.0	27.1	0.0	1.0	-58.5	-55.3
209	1047.28	669.63	134.00	1	1000	63.5	66.6	0.0	0.0	53.7	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	8.3	11.5
210	1047.28	669.63	134.00	1	2000	62.7	65.8	0.0	0.0	53.7	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	6.7	9.8
211	1047.28	669.63	134.00	1	4000	56.5	59.6	0.0	0.0	53.7	4.5	-2.1	0.0	0.0	2.1	0.0	1.0	-2.6	0.5
212	1047.28	669.63	134.00	1	8000	48.4	51.5	0.0	0.0	53.7	15.9	-2.1	0.0	0.0	2.1	0.0	1.0	-22.2	-19.0
213	1096.67	657.57	134.00	1	500	56.1	59.3	0.0	0.0	52.7	0.2	0.3	0.0	0.0	21.1	0.0	1.0	-19.3	-16.1
214	1096.67	657.57	134.00	1	1000	63.3	66.5	0.0	0.0	52.7	0.5	-1.5	0.0	0.0	25.9	0.0	1.0	-15.3	-12.1
215	1096.67	657.57	134.00	1	2000	62.5	65.7	0.0	0.0	52.7	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-17.4	-14.3
216	1096.67	657.57	134.00	1	4000	56.3	59.5	0.0	0.0	52.7	4.0	-2.1	0.0	0.0	27.1	0.0	1.0	-26.4	-23.3
217	1096.67	657.57	134.00	1	8000	48.2	51.4	0.0	0.0	52.7	14.3	-2.1	0.0	0.0	27.1	0.0	1.0	-44.8	-41.6
218	1097.59	656.14	134.00	1	1000	58.6	61.7	0.0	0.0	54.4	0.5	-1.5	0.0	0.0	13.4	0.0	1.0	-9.3	-6.2
219	1097.59	656.14	134.00	1	2000	57.8	60.9	0.0	0.0	54.4	1.4	-2.1	0.0	0.0	17.2	0.0	1.0	-14.1	-11.0
220	1097.59	656.14	134.00	1	4000	51.6	54.7	0.0	0.0	54.4	4.8	-2.1	0.0	0.0	20.1	0.0	1.0	-26.7	-23.6
221	1097.59	656.14	134.00	1	8000	43.5	46.6	0.0	0.0	54.4	17.3	-2.1	0.0	0.0	23.1	0.0	1.0	-50.2	-47.1
222	1095.91	658.75	134.00	1	1000	59.9	63.0	0.0	0.0	53.5	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	4.9	8.0
223	1095.91	658.75	134.00	1	2000	59.1	62.2	0.0	0.0	53.5	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	3.3	6.4
224	1095.91	658.75	134.00	1	4000	52.9	56.0	0.0	0.0	53.5	4.4	-2.1	0.0	0.0	2.1	0.0	1.0	-6.0	-2.9
225	1095.91	658.75	134.00	1	8000	44.8	47.9	0.0	0.0	53.5	15.6	-2.1	0.0	0.0	2.1	0.0	1.0	-25.3	-22.2

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1041.03	654.05	134.00	0	63	19.1	22.2	0.0	0.0	44.4	0.0	-3.0	0.0	0.0	6.5	0.0	-0.0	-28.9	-25.7
2	1041.03	654.05	134.00	0	125	43.2	46.3	0.0	0.0	44.4	0.0	-1.5	0.0	0.0	3.3	0.0	-0.0	-3.1	0.1
3	1041.03	654.05	134.00	0	250	52.7	55.8	0.0	0.0	44.4	0.1	-0.6	0.0	0.0	0.6	0.0	-0.0	8.2	11.4
4	1041.03	654.05	134.00	0	500	62.1	65.2	0.0	0.0	44.4	0.1	-0.5	0.0	0.0	0.5	0.0	-0.0	17.6	20.7
5	1041.03	654.05	134.00	0	1000	69.3	72.4	0.0	0.0	44.4	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	24.7	27.9
6	1041.03	654.05	134.00	0	2000	68.5	71.6	0.0	0.0	44.4	0.5	-2.1	0.0	0.0	2.1	0.0	-0.0	23.6	26.8

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
7	1041.03	654.05	134.00	0	4000	62.3	65.4	0.0	0.0	44.4	1.5	-2.1	0.0	0.0	2.1	0.0	-0.0	16.4	19.5
8	1041.03	654.05	134.00	0	8000	54.2	57.3	0.0	0.0	44.4	5.5	-2.1	0.0	0.0	2.1	0.0	-0.0	4.3	7.5
9	1029.20	630.63	134.00	0	63	14.5	17.7	0.0	0.0	41.8	0.0	-3.0	0.0	0.0	7.8	0.0	-0.0	-32.0	-28.8
10	1029.20	630.63	134.00	0	125	38.6	41.8	0.0	0.0	41.8	0.0	-1.6	0.0	0.0	6.4	0.0	-0.0	-7.9	-4.7
11	1029.20	630.63	134.00	0	250	48.1	51.3	0.0	0.0	41.8	0.0	-0.9	0.0	0.0	5.6	0.0	-0.0	1.6	4.8
12	1029.20	630.63	134.00	0	500	57.5	60.7	0.0	0.0	41.8	0.1	-0.8	0.0	0.0	5.4	0.0	-0.0	11.1	14.2
13	1029.20	630.63	134.00	0	1000	64.7	67.9	0.0	0.0	41.8	0.1	-1.8	0.0	0.0	6.3	0.0	-0.0	18.4	21.5
14	1029.20	630.63	134.00	0	2000	63.9	67.1	0.0	0.0	41.8	0.3	-2.1	0.0	0.0	6.2	0.0	-0.0	17.7	20.8
15	1029.20	630.63	134.00	0	4000	57.7	60.9	0.0	0.0	41.8	1.1	-2.1	0.0	0.0	5.5	0.0	-0.0	11.5	14.6
16	1029.20	630.63	134.00	0	8000	49.6	52.8	0.0	0.0	41.8	4.0	-2.1	0.0	0.0	3.5	0.0	-0.0	2.5	5.6
17	1028.13	625.82	134.00	0	63	10.6	13.8	0.0	0.0	41.3	0.0	-3.0	0.0	0.0	0.0	0.0	-0.0	-27.7	-24.6
18	1028.13	625.82	134.00	0	125	34.7	37.9	0.0	0.0	41.3	0.0	-1.7	0.0	0.0	0.0	0.0	-0.0	-5.0	-1.9
19	1028.13	625.82	134.00	0	250	44.2	47.4	0.0	0.0	41.3	0.0	-0.9	0.0	0.0	0.0	0.0	-0.0	3.8	6.9
20	1028.13	625.82	134.00	0	500	53.6	56.8	0.0	0.0	41.3	0.1	-0.8	0.0	0.0	0.0	0.0	-0.0	13.1	16.2
21	1028.13	625.82	134.00	0	1000	60.8	64.0	0.0	0.0	41.3	0.1	-1.8	0.0	0.0	0.0	0.0	-0.0	21.2	24.3
22	1028.13	625.82	134.00	0	2000	60.0	63.2	0.0	0.0	41.3	0.3	-2.1	0.0	0.0	0.0	0.0	-0.0	20.5	23.6
23	1028.13	625.82	134.00	0	4000	53.8	57.0	0.0	0.0	41.3	1.1	-2.1	0.0	0.0	0.0	0.0	-0.0	13.5	16.6
24	1028.13	625.82	134.00	0	8000	45.7	48.9	0.0	0.0	41.3	3.8	-2.1	0.0	0.0	0.0	0.0	-0.0	2.6	5.8
25	1036.14	640.77	134.00	0	63	15.4	18.6	0.0	0.0	42.4	0.0	-3.0	0.0	0.0	7.4	0.0	-0.0	-31.4	-28.2
26	1036.14	640.77	134.00	0	125	39.5	42.7	0.0	0.0	42.4	0.0	-1.6	0.0	0.0	5.5	0.0	-0.0	-6.8	-3.7
27	1036.14	640.77	134.00	0	250	49.0	52.2	0.0	0.0	42.4	0.0	-0.8	0.0	0.0	3.7	0.0	-0.0	3.7	6.9
28	1036.14	640.77	134.00	0	500	58.4	61.6	0.0	0.0	42.4	0.1	-0.7	0.0	0.0	0.7	0.0	-0.0	15.9	19.1
29	1036.14	640.77	134.00	0	1000	65.6	68.8	0.0	0.0	42.4	0.1	-1.8	0.0	0.0	1.8	0.0	-0.0	23.1	26.2
30	1036.14	640.77	134.00	0	2000	64.8	68.0	0.0	0.0	42.4	0.4	-2.1	0.0	0.0	2.1	0.0	-0.0	22.1	25.2
31	1036.14	640.77	134.00	0	4000	58.6	61.8	0.0	0.0	42.4	1.2	-2.1	0.0	0.0	2.1	0.0	-0.0	15.0	18.1
32	1036.14	640.77	134.00	0	8000	50.5	53.7	0.0	0.0	42.4	4.3	-2.1	0.0	0.0	2.1	0.0	-0.0	3.8	6.9
33	1066.67	667.18	134.00	0	63	19.1	22.2	0.0	0.0	46.3	0.0	-3.0	0.0	0.0	5.6	0.0	-0.0	-29.9	-26.7
34	1066.67	667.18	134.00	0	125	43.2	46.3	0.0	0.0	46.3	0.0	-1.5	0.0	0.0	1.5	0.0	-0.0	-3.2	-0.0
35	1066.67	667.18	134.00	0	250	52.7	55.8	0.0	0.0	46.3	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	6.3	9.5
36	1066.67	667.18	134.00	0	500	62.1	65.2	0.0	0.0	46.3	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	15.7	18.8
37	1066.67	667.18	134.00	0	1000	69.3	72.4	0.0	0.0	46.3	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	22.8	25.9
38	1066.67	667.18	134.00	0	2000	68.5	71.6	0.0	0.0	46.3	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	21.6	24.8
39	1066.67	667.18	134.00	0	4000	62.3	65.4	0.0	0.0	46.3	1.9	-2.1	0.0	0.0	2.1	0.0	-0.0	14.1	17.2
40	1066.67	667.18	134.00	0	8000	54.2	57.3	0.0	0.0	46.3	6.8	-2.1	0.0	0.0	2.1	0.0	-0.0	1.1	4.2
41	1084.00	663.14	134.00	0	63	18.1	21.2	0.0	0.0	46.5	0.0	-3.0	0.0	0.0	5.7	0.0	-0.0	-31.2	-28.1
42	1084.00	663.14	134.00	0	125	42.2	45.3	0.0	0.0	46.5	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-4.4	-1.3
43	1084.00	663.14	134.00	0	250	51.7	54.8	0.0	0.0	46.5	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	5.1	8.2
44	1084.00	663.14	134.00	0	500	61.1	64.2	0.0	0.0	46.5	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	14.4	17.6
45	1084.00	663.14	134.00	0	1000	68.3	71.4	0.0	0.0	46.5	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	21.5	24.7
46	1084.00	663.14	134.00	0	2000	67.5	70.6	0.0	0.0	46.5	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	20.4	23.5
47	1084.00	663.14	134.00	0	4000	61.3	64.4	0.0	0.0	46.5	2.0	-2.1	0.0	0.0	2.1	0.0	-0.0	12.8	15.9
48	1084.00	663.14	134.00	0	8000	53.2	56.3	0.0	0.0	46.5	7.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-0.4	2.8
49	1032.15	635.74	134.00	0	63	12.6	15.7	0.0	0.0	42.1	0.0	-3.0	0.0	0.0	7.7	0.0	-0.0	-34.2	-31.0
50	1032.15	635.74	134.00	0	125	36.7	39.8	0.0	0.0	42.1	0.0	-1.6	0.0	0.0	6.3	0.0	-0.0	-10.0	-6.9
51	1032.15	635.74	134.00	0	250	46.2	49.3	0.0	0.0	42.1	0.0	-0.9	0.0	0.0	5.3	0.0	-0.0	-0.4	2.8
52	1032.15	635.74	134.00	0	500	55.6	58.7	0.0	0.0	42.1	0.1	-0.8	0.0	0.0	4.9	0.0	-0.0	9.3	12.4
53	1032.15	635.74	134.00	0	1000	62.8	65.9	0.0	0.0	42.1	0.1	-1.8	0.0	0.0	5.3	0.0	-0.0	17.1	20.2
54	1032.15	635.74	134.00	0	2000	62.0	65.1	0.0	0.0	42.1	0.4	-2.1	0.0	0.0	3.8	0.0	-0.0	17.9	21.0
55	1032.15	635.74	134.00	0	4000	55.8	58.9	0.0	0.0	42.1	1.2	-2.1	0.0	0.0	2.1	0.0	-0.0	12.6	15.7
56	1032.15	635.74	134.00	0	8000	47.7	50.8	0.0	0.0	42.1	4.2	-2.1	0.0	0.0	2.1	0.0	-0.0	1.5	4.6
57	1030.17	634.22	134.00	0	63	3.4	6.5	0.0	0.0	42.1	0.0	-3.0	0.0	0.0	7.8	0.0	-0.0	-43.5	-40.4
58	1030.17	634.22	134.00	0	125	27.5	30.6	0.0	0.0	42.1	0.0	-1.6	0.0	0.0	6.4	0.0	-0.0	-19.4	-16.3
59	1030.17	634.22	134.00	0	250	37.0	40.1	0.0	0.0	42.1	0.0	-0.8	0.0	0.0	5.6	0.0	-0.0	-9.9	-6.8
60	1030.17	634.22	134.00	0	500	46.4	49.5	0.0	0.0	42.1	0.1	-0.8	0.0	0.0	5.4	0.0	-0.0	-0.5	2.6
61	1030.17	634.22	134.00	0	1000	53.6	56.7	0.0	0.0	42.1	0.1	-1.8	0.0	0.0	6.4	0.0	-0.0	6.7	9.9
62	1030.17	634.22	134.00	0	2000	52.8	55.9	0.0	0.0	42.1	0.4	-2.1	0.0	0.0	6.5	0.0	-0.0	5.9	9.1
63	1030.17	634.22	134.00	0	4000	46.6	49.7	0.0	0.0	42.1	1.2	-2.1	0.0	0.0	6.0	0.0	-0.0	-0.6	2.5
64	1030.17	634.22	134.00	0	8000	38.5	41.6	0.0	0.0	42.1	4.2	-2.1	0.0	0.0	4.9	0.0	-0.0	-10.7	-7.5
65	1103.24	681.92	134.00	0	63	18.5	21.6	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	5.4	0.0	-0.0	-33.6	-30.4
66	1103.24	681.92	134.00	0	125	42.6	45.7	0.0	0.0	49.7	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-7.1	-4.0
67	1103.24	681.92	134.00	0	250	52.1	55.2	0.0	0.0	49.7	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	2.3	5.5
68	1103.24	681.92	134.00	0	500	61.5	64.6	0.0	0.0	49.7	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	11.6	14.7
69	1103.24	681.92	134.00	0	1000	68.7	71.8	0.0	0.0	49.7	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	18.7	21.8
70	1103.24	681.92	134.00	0	2000	67.9	71.0	0.0	0.0	49.7	0.8	-2.1	0.0	0.0	2.1	0.0	-0.0	17.4	20.5
71	1103.24	681.92	134.00	0	4000	61.7	64.8	0.0	0.0	49.7	2.8	-2.1	0.0	0.0	2.1	0.0	-0.0	9.2	12.4
72	1103.24	681.92	134.00	0	8000	53.6	56.7	0.0	0.0	49.7	10.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-6.1	-3.0
73	1052.17	669.55	134.00	0	63	15.9	19.1	0.0	0.0	46.5	0.0	-3.0	0.0	0.0	5.7	0.0	-0.0	-33.3	-30.2
74	1052.17	669.55	134.00	0	125	40.0	43.2	0.0	0.0	46.5	0.0	-1.4	0.0	0.0					

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Refl.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
75	1052.17	669.55	134.00	0	250	49.5	52.7	0.0	0.0	46.5	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	2.9	6.1
76	1052.17	669.55	134.00	0	500	58.9	62.1	0.0	0.0	46.5	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	12.3	15.4
77	1052.17	669.55	134.00	0	1000	66.1	69.3	0.0	0.0	46.5	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	19.4	22.5
78	1052.17	669.55	134.00	0	2000	65.3	68.5	0.0	0.0	46.5	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	18.2	21.4
79	1052.17	669.55	134.00	0	4000	59.1	62.3	0.0	0.0	46.5	2.0	-2.1	0.0	0.0	2.1	0.0	-0.0	10.7	13.8
80	1052.17	669.55	134.00	0	8000	51.0	54.2	0.0	0.0	46.5	7.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-2.5	0.7
81	1045.53	666.80	134.00	0	63	14.7	17.8	0.0	0.0	46.3	0.0	-3.0	0.0	0.0	5.9	0.0	-0.0	-34.5	-31.4
82	1045.53	666.80	134.00	0	125	38.8	41.9	0.0	0.0	46.3	0.0	-1.5	0.0	0.0	1.5	0.0	-0.0	-7.5	-4.3
83	1045.53	666.80	134.00	0	250	48.3	51.4	0.0	0.0	46.3	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	2.0	5.1
84	1045.53	666.80	134.00	0	500	57.7	60.8	0.0	0.0	46.3	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	11.3	14.5
85	1045.53	666.80	134.00	0	1000	64.9	68.0	0.0	0.0	46.3	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	18.4	21.6
86	1045.53	666.80	134.00	0	2000	64.1	67.2	0.0	0.0	46.3	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	17.3	20.4
87	1045.53	666.80	134.00	0	4000	57.9	61.0	0.0	0.0	46.3	1.9	-2.1	0.0	0.0	2.1	0.0	-0.0	9.7	12.9
88	1045.53	666.80	134.00	0	8000	49.8	52.9	0.0	0.0	46.3	6.8	-2.1	0.0	0.0	2.1	0.0	-0.0	-3.2	-0.1
89	1099.72	668.94	134.00	0	63	15.9	19.1	0.0	0.0	48.3	0.0	-3.0	0.0	0.0	5.7	0.0	-0.0	-35.0	-31.9
90	1099.72	668.94	134.00	0	125	40.0	43.2	0.0	0.0	48.3	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-8.3	-5.1
91	1099.72	668.94	134.00	0	250	49.5	52.7	0.0	0.0	48.3	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	1.2	4.3
92	1099.72	668.94	134.00	0	500	58.9	62.1	0.0	0.0	48.3	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	10.5	13.6
93	1099.72	668.94	134.00	0	1000	66.1	69.3	0.0	0.0	48.3	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	17.6	20.7
94	1099.72	668.94	134.00	0	2000	65.3	68.5	0.0	0.0	48.3	0.7	-2.1	0.0	0.0	2.1	0.0	-0.0	16.3	19.5
95	1099.72	668.94	134.00	0	4000	59.1	62.3	0.0	0.0	48.3	2.4	-2.1	0.0	0.0	2.1	0.0	-0.0	8.5	11.6
96	1099.72	668.94	134.00	0	8000	51.0	54.2	0.0	0.0	48.3	8.5	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.8	-2.7
97	1094.84	662.76	134.00	0	63	14.7	17.8	0.0	0.0	47.3	0.0	-3.0	0.0	0.0	5.8	0.0	-0.0	-35.4	-32.3
98	1094.84	662.76	134.00	0	125	38.8	41.9	0.0	0.0	47.3	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-8.5	-5.4
99	1094.84	662.76	134.00	0	250	48.3	51.4	0.0	0.0	47.3	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	0.9	4.1
100	1094.84	662.76	134.00	0	500	57.7	60.8	0.0	0.0	47.3	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	10.3	13.4
101	1094.84	662.76	134.00	0	1000	64.9	68.0	0.0	0.0	47.3	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	17.4	20.5
102	1094.84	662.76	134.00	0	2000	64.1	67.2	0.0	0.0	47.3	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	16.2	19.3
103	1094.84	662.76	134.00	0	4000	57.9	61.0	0.0	0.0	47.3	2.1	-2.1	0.0	0.0	2.1	0.0	-0.0	8.5	11.6
104	1094.84	662.76	134.00	0	8000	49.8	52.9	0.0	0.0	47.3	7.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.1	-2.0
105	1110.92	715.47	134.00	0	63	11.3	14.4	0.0	0.0	52.5	0.0	-3.0	0.0	0.0	3.7	0.0	-0.0	-41.9	-38.8
106	1110.92	715.47	134.00	0	125	35.4	38.5	0.0	0.0	52.5	0.1	-1.2	0.0	0.0	3.7	0.0	-0.0	-19.7	-16.5
107	1110.92	715.47	134.00	0	250	44.9	48.0	0.0	0.0	52.5	0.1	0.1	0.0	0.0	4.0	0.0	-0.0	-11.8	-8.7
108	1110.92	715.47	134.00	0	500	54.3	57.4	0.0	0.0	52.5	0.2	0.3	0.0	0.0	4.5	0.0	-0.0	-3.3	-0.1
109	1110.92	715.47	134.00	0	1000	61.5	64.6	0.0	0.0	52.5	0.4	-1.6	0.0	0.0	5.2	0.0	-0.0	4.9	8.0
110	1110.92	715.47	134.00	0	2000	60.7	63.8	0.0	0.0	52.5	1.2	-2.1	0.0	0.0	5.8	0.0	-0.0	3.3	6.4
111	1110.92	715.47	134.00	0	4000	54.5	57.6	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	6.8	0.0	-0.0	-6.6	-3.4
112	1110.92	715.47	134.00	0	8000	46.4	49.5	0.0	0.0	52.5	13.9	-2.1	0.0	0.0	8.2	0.0	-0.0	-26.0	-22.9
113	1109.70	707.69	134.00	0	63	17.0	20.2	0.0	0.0	51.9	0.0	-3.0	0.0	0.0	5.0	0.0	-0.0	-36.8	-33.7
114	1109.70	707.69	134.00	0	125	41.1	44.3	0.0	0.0	51.9	0.1	-1.2	0.0	0.0	1.2	0.0	-0.0	-10.8	-7.7
115	1109.70	707.69	134.00	0	250	50.6	53.8	0.0	0.0	51.9	0.1	0.1	0.0	0.0	0.0	0.0	-0.0	-1.5	1.7
116	1109.70	707.69	134.00	0	500	60.0	63.2	0.0	0.0	51.9	0.2	0.3	0.0	0.0	0.0	0.0	-0.0	7.6	10.8
117	1109.70	707.69	134.00	0	1000	67.2	70.4	0.0	0.0	51.9	0.4	-1.6	0.0	0.0	1.6	0.0	-0.0	14.9	18.1
118	1109.70	707.69	134.00	0	2000	66.4	69.6	0.0	0.0	51.9	1.1	-2.1	0.0	0.0	2.1	0.0	-0.0	13.5	16.6
119	1109.70	707.69	134.00	0	4000	60.2	63.4	0.0	0.0	51.9	3.6	-2.1	0.0	0.0	2.1	0.0	-0.0	4.7	7.8
120	1109.70	707.69	134.00	0	8000	52.1	55.3	0.0	0.0	51.9	13.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-12.8	-9.6
121	1106.90	695.96	134.00	0	63	16.8	19.9	0.0	0.0	51.0	0.0	-3.0	0.0	0.0	5.1	0.0	-0.0	-36.3	-33.2
122	1106.90	695.96	134.00	0	125	40.9	44.0	0.0	0.0	51.0	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-10.1	-7.0
123	1106.90	695.96	134.00	0	250	50.4	53.5	0.0	0.0	51.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	-0.7	2.4
124	1106.90	695.96	134.00	0	500	59.8	62.9	0.0	0.0	51.0	0.2	0.2	0.0	0.0	0.0	0.0	-0.0	8.4	11.6
125	1106.90	695.96	134.00	0	1000	67.0	70.1	0.0	0.0	51.0	0.4	-1.6	0.0	0.0	1.6	0.0	-0.0	15.7	18.8
126	1106.90	695.96	134.00	0	2000	66.2	69.3	0.0	0.0	51.0	1.0	-2.1	0.0	0.0	2.1	0.0	-0.0	14.3	17.4
127	1106.90	695.96	134.00	0	4000	60.0	63.1	0.0	0.0	51.0	3.3	-2.1	0.0	0.0	2.1	0.0	-0.0	5.8	8.9
128	1106.90	695.96	134.00	0	8000	51.9	55.0	0.0	0.0	51.0	11.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-10.7	-7.6
129	1043.20	661.90	134.00	1	500	54.7	57.9	0.0	0.0	51.8	0.2	0.3	0.0	0.0	19.4	0.0	1.0	-17.9	-14.8
130	1043.20	661.90	134.00	1	1000	61.9	65.1	0.0	0.0	51.8	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-15.0	-11.8
131	1043.20	661.90	134.00	1	2000	61.1	64.3	0.0	0.0	51.8	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-17.8	-14.6
132	1043.20	661.90	134.00	1	4000	54.9	58.1	0.0	0.0	51.8	3.6	-2.1	0.0	0.0	27.1	0.0	1.0	-26.5	-23.4
133	1043.20	661.90	134.00	1	8000	46.8	50.0	0.0	0.0	51.8	12.9	-2.1	0.0	0.0	27.1	0.0	1.0	-43.9	-40.7
134	1042.38	658.92	134.00	1	500	53.1	56.2	0.0	0.0	51.6	0.2	0.2	0.0	0.0	19.4	0.0	1.0	-19.3	-16.2
135	1042.38	658.92	134.00	1	1000	60.3	63.4	0.0	0.0	51.6	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-16.4	-13.2
136	1042.38	658.92	134.00	1	2000	59.5	62.6	0.0	0.0	51.6	1.0	-2.1	0.0	0.0	27.1	0.0	1.0	-19.2	-16.0
137	1042.38	658.92	134.00	1	4000	53.3	56.4	0.0	0.0	51.6	3.5	-2.1	0.0	0.0	27.1	0.0	1.0	-27.8	-24.7
138	1042.38	658.92	134.00	1	8000	45.2	48.3	0.0	0.0	51.6	12.5	-2.1	0.0	0.0	27.1	0.0	1.0	-44.9	-41.8
139	1041.96	657.40	134.00	1	500	47.1	50.3	0.0	0.0	51.5	0.2	0.2	0.0	0.0	19.4	0.0	1.0	-25.2	-22.0
140	1041.96	657.40	134.00	1	1000	54.3	57.5	0.0	0.0	51.5	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-22.2	-19.1
141	1041.96	657.40	134.00	1	2000	53.5	56.7	0.0	0.0	51.5	1.0	-2.1	0.0	0.0	27.1	0.0	1.0	-25.0	-21.8
142	1041.96	657.40	134.00	1	40														

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWLEBMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
143	1041.96	657.40	134.00	1	8000	39.2	42.4	0.0	0.0	51.5	12.3	-2.1	0.0	0.0	27.1	0.0	1.0	-50.6	-47.4
144	1043.30	662.24	134.00	1	4000	54.0	57.1	0.0	0.0	54.5	4.9	-2.1	0.0	0.0	27.1	0.0	1.0	-31.4	-28.3
145	1043.30	662.24	134.00	1	8000	45.9	49.0	0.0	0.0	54.5	17.5	-2.1	0.0	0.0	27.1	0.0	1.0	-52.1	-49.0
146	1042.76	660.30	134.00	1	4000	49.6	52.7	0.0	0.0	54.4	4.8	-2.1	0.0	0.0	27.1	0.0	1.0	-35.7	-32.5
147	1042.76	660.30	134.00	1	8000	41.5	44.6	0.0	0.0	54.4	17.3	-2.1	0.0	0.0	27.1	0.0	1.0	-56.2	-53.0
148	1042.50	659.37	134.00	1	4000	48.6	51.8	0.0	0.0	54.3	4.8	-2.1	0.0	0.0	27.1	0.0	1.0	-36.5	-33.4
149	1042.50	659.37	134.00	1	8000	40.5	43.7	0.0	0.0	54.3	17.2	-2.1	0.0	0.0	27.1	0.0	1.0	-57.0	-53.8
150	1040.37	651.69	134.00	1	4000	61.1	64.2	0.0	0.0	53.8	4.5	-2.1	0.0	0.0	27.1	0.0	1.0	-23.4	-20.2
151	1040.37	651.69	134.00	1	8000	53.0	56.1	0.0	0.0	53.8	16.2	-2.1	0.0	0.0	27.1	0.0	1.0	-43.1	-40.0
152	1041.03	654.05	134.00	1	1000	69.3	72.4	0.0	0.0	54.7	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	13.0	16.2
153	1041.03	654.05	134.00	1	2000	68.5	71.6	0.0	0.0	54.7	1.5	-2.1	0.0	0.0	2.1	0.0	1.0	11.3	14.5
154	1041.03	654.05	134.00	1	4000	62.3	65.4	0.0	0.0	54.7	5.0	-2.1	0.0	0.0	2.1	0.0	1.0	1.6	4.7
155	1041.03	654.05	134.00	1	8000	54.2	57.3	0.0	0.0	54.7	17.9	-2.1	0.0	0.0	2.1	0.0	1.0	-19.4	-16.2
156	1028.89	629.25	134.00	1	1000	66.2	69.4	0.0	0.0	56.1	0.7	-1.5	0.0	0.0	1.5	0.0	1.0	8.4	11.6
157	1028.89	629.25	134.00	1	2000	65.4	68.6	0.0	0.0	56.1	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	6.5	9.7
158	1028.89	629.25	134.00	1	4000	59.2	62.4	0.0	0.0	56.1	5.9	-2.1	0.0	0.0	2.1	0.0	1.0	-3.8	-0.7
159	1028.89	629.25	134.00	1	8000	51.1	54.3	0.0	0.0	56.1	21.1	-2.1	0.0	0.0	2.1	0.0	1.0	-27.1	-23.9
160	1036.14	640.77	134.00	1	4000	58.6	61.8	0.0	0.0	53.1	4.2	-2.1	0.0	0.0	27.1	0.0	1.0	-24.7	-21.6
161	1036.14	640.77	134.00	1	8000	50.5	53.7	0.0	0.0	53.1	14.9	-2.1	0.0	0.0	27.1	0.0	1.0	-43.5	-40.4
162	1036.31	641.05	134.00	1	1000	65.3	68.4	0.0	0.0	55.4	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	8.2	11.3
163	1036.31	641.05	134.00	1	2000	64.5	67.6	0.0	0.0	55.4	1.6	-2.1	0.0	0.0	2.1	0.0	1.0	6.4	9.5
164	1036.31	641.05	134.00	1	4000	58.3	61.4	0.0	0.0	55.4	5.5	-2.1	0.0	0.0	2.1	0.0	1.0	-3.6	-0.5
165	1036.31	641.05	134.00	1	8000	50.2	53.3	0.0	0.0	55.4	19.5	-2.1	0.0	0.0	2.1	0.0	1.0	-25.8	-22.6
166	1034.10	637.39	134.00	1	1000	54.5	57.6	0.0	0.0	55.6	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-2.8	0.3
167	1034.10	637.39	134.00	1	2000	53.7	56.8	0.0	0.0	55.6	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	-4.7	-1.5
168	1034.10	637.39	134.00	1	4000	47.5	50.6	0.0	0.0	55.6	5.6	-2.1	0.0	0.0	2.1	0.0	1.0	-14.8	-11.7
169	1034.10	637.39	134.00	1	8000	39.4	42.5	0.0	0.0	55.6	20.0	-2.1	0.0	0.0	2.1	0.0	1.0	-37.3	-34.1
170	1070.08	666.49	134.00	1	500	56.5	59.7	0.0	0.0	52.6	0.2	0.3	0.0	0.0	20.3	0.0	1.0	-17.9	-14.8
171	1070.08	666.49	134.00	1	1000	63.7	66.9	0.0	0.0	52.6	0.4	-1.6	0.0	0.0	25.6	0.0	1.0	-14.3	-11.2
172	1070.08	666.49	134.00	1	2000	62.9	66.1	0.0	0.0	52.6	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-16.8	-13.7
173	1070.08	666.49	134.00	1	4000	56.7	59.9	0.0	0.0	52.6	3.9	-2.1	0.0	0.0	27.1	0.0	1.0	-25.8	-22.7
174	1070.08	666.49	134.00	1	8000	48.6	51.8	0.0	0.0	52.6	14.0	-2.1	0.0	0.0	27.1	0.0	1.0	-44.0	-40.8
175	1066.39	667.24	134.00	1	500	52.1	55.2	0.0	0.0	52.5	0.2	0.3	0.0	0.0	20.2	0.0	1.0	-22.2	-19.1
176	1066.39	667.24	134.00	1	1000	59.3	62.4	0.0	0.0	52.5	0.4	-1.6	0.0	0.0	25.6	0.0	1.0	-18.7	-15.6
177	1066.39	667.24	134.00	1	2000	58.5	61.6	0.0	0.0	52.5	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-21.2	-18.1
178	1066.39	667.24	134.00	1	4000	52.3	55.4	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	27.1	0.0	1.0	-30.2	-27.0
179	1066.39	667.24	134.00	1	8000	44.2	47.3	0.0	0.0	52.5	14.0	-2.1	0.0	0.0	27.1	0.0	1.0	-48.3	-45.2
180	1070.99	666.30	134.00	1	500	59.5	62.6	0.0	0.0	53.1	0.3	0.4	0.0	0.0	0.0	0.0	1.0	4.7	7.9
181	1070.99	666.30	134.00	1	1000	66.7	69.8	0.0	0.0	53.1	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	12.1	15.2
182	1070.99	666.30	134.00	1	2000	65.9	69.0	0.0	0.0	53.1	1.2	-2.1	0.0	0.0	2.1	0.0	1.0	10.5	13.6
183	1070.99	666.30	134.00	1	4000	59.7	62.8	0.0	0.0	53.1	4.2	-2.1	0.0	0.0	2.1	0.0	1.0	1.3	4.5
184	1070.99	666.30	134.00	1	8000	51.6	54.7	0.0	0.0	53.1	15.0	-2.1	0.0	0.0	2.1	0.0	1.0	-17.5	-14.4
185	1062.79	667.98	134.00	1	1000	64.0	67.1	0.0	0.0	54.0	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	8.5	11.6
186	1062.79	667.98	134.00	1	2000	63.2	66.3	0.0	0.0	54.0	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	6.8	10.0
187	1062.79	667.98	134.00	1	4000	57.0	60.1	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	2.1	0.0	1.0	-2.6	0.5
188	1062.79	667.98	134.00	1	8000	48.9	52.0	0.0	0.0	54.0	16.4	-2.1	0.0	0.0	2.1	0.0	1.0	-22.6	-19.4
189	1058.50	668.86	134.00	1	1000	60.9	64.1	0.0	0.0	54.0	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	5.4	8.6
190	1058.50	668.86	134.00	1	2000	60.1	63.3	0.0	0.0	54.0	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	3.8	6.9
191	1058.50	668.86	134.00	1	4000	53.9	57.1	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	2.1	0.0	1.0	-5.7	-2.5
192	1058.50	668.86	134.00	1	8000	45.8	49.0	0.0	0.0	54.0	16.5	-2.1	0.0	0.0	2.1	0.0	1.0	-25.6	-22.5
193	1084.00	663.14	134.00	1	500	61.1	64.2	0.0	0.0	53.2	0.3	0.4	0.0	0.0	0.0	0.0	1.0	6.2	9.4
194	1084.00	663.14	134.00	1	1000	68.3	71.4	0.0	0.0	53.2	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	13.6	16.7
195	1084.00	663.14	134.00	1	2000	67.5	70.6	0.0	0.0	53.2	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	12.0	15.1
196	1084.00	663.14	134.00	1	4000	61.3	64.4	0.0	0.0	53.2	4.2	-2.1	0.0	0.0	2.1	0.0	1.0	2.8	5.9
197	1084.00	663.14	134.00	1	8000	53.2	56.3	0.0	0.0	53.2	15.1	-2.1	0.0	0.0	2.1	0.0	1.0	-16.2	-13.1
198	1033.44	636.73	134.00	1	2000	56.4	59.6	0.0	0.0	52.8	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-23.6	-20.5
199	1033.44	636.73	134.00	1	4000	50.2	53.4	0.0	0.0	52.8	4.0	-2.1	0.0	0.0	27.1	0.0	1.0	-32.6	-29.5
200	1033.44	636.73	134.00	1	8000	42.1	45.3	0.0	0.0	52.8	14.4	-2.1	0.0	0.0	27.1	0.0	1.0	-51.1	-48.0
201	1031.94	635.58	134.00	1	1000	63.3	66.4	0.0	0.0	55.8	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	5.8	9.0
202	1031.94	635.58	134.00	1	2000	62.5	65.6	0.0	0.0	55.8	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	4.0	7.1
203	1031.94	635.58	134.00	1	4000	56.3	59.4	0.0	0.0	55.8	5.7	-2.1	0.0	0.0	2.1	0.0	1.0	-6.2	-3.0
204	1031.94	635.58	134.00	1	8000	48.2	51.3	0.0	0.0	55.8	20.3	-2.1	0.0	0.0	2.1	0.0	1.0	-28.9	-25.7
205	1101.86	675.55	134.00	1	500	55.4	58.6	0.0	0.0	54.0	0.3	0.4	0.0	0.0	20.9	0.0	1.0	-21.1	-17.9
206	1101.86	675.55	134.00	1	1000	62.6	65.8	0.0	0.0	54.0	0.5	-1.5	0.0	0.0	25.8	0.0	1.0	-17.1	-14.0
207	1101.86	675.55	134.00	1	2000	61.8	65.0	0.0	0.0	54.0	1.4	-2.1	0.0	0.0	27.1	0.0	1.0	-19.5	-16.4
208	1101.86	675.55	134.00	1	4000	55.6	58.8	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	27.1	0.0	1.0	-28.9	-25.8
209	1101.86	675.55	134.00	1	8000	47.5	50.7	0.0	0.0	54.0	16.4	-2.1	0.0	0.0	27.1	0.0	1.0	-48.9	-45.7
210																			

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Refl.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
211	1103.06	681.11	134.00	1	1000	68.2	71.4	0.0	0.0	52.8	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	14.0	17.1
212	1103.06	681.11	134.00	1	2000	67.4	70.6	0.0	0.0	52.8	1.2	-2.1	0.0	0.0	2.1	0.0	1.0	12.4	15.6
213	1103.06	681.11	134.00	1	4000	61.2	64.4	0.0	0.0	52.8	4.0	-2.1	0.0	0.0	2.1	0.0	1.0	3.4	6.5
214	1103.06	681.11	134.00	1	8000	53.1	56.3	0.0	0.0	52.8	14.4	-2.1	0.0	0.0	2.1	0.0	1.0	-15.0	-11.9
215	1052.06	669.56	134.00	1	1000	66.0	69.2	0.0	0.0	53.6	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	11.0	14.1
216	1052.06	669.56	134.00	1	2000	65.2	68.4	0.0	0.0	53.6	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	9.3	12.5
217	1052.06	669.56	134.00	1	4000	59.0	62.2	0.0	0.0	53.6	4.4	-2.1	0.0	0.0	2.1	0.0	1.0	0.0	3.2
218	1052.06	669.56	134.00	1	8000	50.9	54.1	0.0	0.0	53.6	15.7	-2.1	0.0	0.0	2.1	0.0	1.0	-19.4	-16.2
219	1045.45	666.67	134.00	1	500	57.5	60.6	0.0	0.0	52.2	0.2	0.3	0.0	0.0	19.4	0.0	1.0	-15.6	-12.5
220	1045.45	666.67	134.00	1	1000	64.7	67.8	0.0	0.0	52.2	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-12.6	-9.5
221	1045.45	666.67	134.00	1	2000	63.9	67.0	0.0	0.0	52.2	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-15.4	-12.3
222	1045.45	666.67	134.00	1	4000	57.7	60.8	0.0	0.0	52.2	3.8	-2.1	0.0	0.0	27.1	0.0	1.0	-24.3	-21.2
223	1045.45	666.67	134.00	1	8000	49.6	52.7	0.0	0.0	52.2	13.4	-2.1	0.0	0.0	27.1	0.0	1.0	-42.1	-38.9
224	1045.09	666.06	134.00	1	4000	44.8	47.9	0.0	0.0	54.7	5.0	-2.1	0.0	0.0	27.1	0.0	1.0	-41.0	-37.9
225	1045.09	666.06	134.00	1	8000	36.7	39.8	0.0	0.0	54.7	18.0	-2.1	0.0	0.0	27.1	0.0	1.0	-62.1	-58.9
226	1044.97	665.85	134.00	1	4000	40.2	43.3	0.0	0.0	54.7	5.0	-2.1	0.0	0.0	27.1	0.0	1.0	-45.6	-42.4
227	1044.97	665.85	134.00	1	8000	32.1	35.2	0.0	0.0	54.7	17.9	-2.1	0.0	0.0	27.1	0.0	1.0	-66.6	-63.4
228	1044.32	664.74	134.00	1	4000	53.2	56.3	0.0	0.0	54.6	5.0	-2.1	0.0	0.0	27.1	0.0	1.0	-32.5	-29.3
229	1044.32	664.74	134.00	1	8000	45.1	48.2	0.0	0.0	54.6	17.8	-2.1	0.0	0.0	27.1	0.0	1.0	-53.4	-50.2
230	1045.53	666.80	134.00	1	1000	64.9	68.0	0.0	0.0	53.9	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	9.5	12.6
231	1045.53	666.80	134.00	1	2000	64.1	67.2	0.0	0.0	53.9	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	7.8	11.0
232	1045.53	666.80	134.00	1	4000	57.9	61.0	0.0	0.0	53.9	4.6	-2.1	0.0	0.0	2.1	0.0	1.0	-1.6	1.6
233	1045.53	666.80	134.00	1	8000	49.8	52.9	0.0	0.0	53.9	16.3	-2.1	0.0	0.0	2.1	0.0	1.0	-21.4	-18.2
234	1099.72	668.94	134.00	1	500	58.9	62.1	0.0	0.0	53.5	0.3	0.4	0.0	0.0	20.9	0.0	1.0	-17.2	-14.1
235	1099.72	668.94	134.00	1	1000	66.1	69.3	0.0	0.0	53.5	0.5	-1.5	0.0	0.0	25.8	0.0	1.0	-13.2	-10.1
236	1099.72	668.94	134.00	1	2000	65.3	68.5	0.0	0.0	53.5	1.3	-2.1	0.0	0.0	27.1	0.0	1.0	-15.5	-12.4
237	1099.72	668.94	134.00	1	4000	59.1	62.3	0.0	0.0	53.5	4.4	-2.1	0.0	0.0	27.1	0.0	1.0	-24.8	-21.7
238	1099.72	668.94	134.00	1	8000	51.0	54.2	0.0	0.0	53.5	15.6	-2.1	0.0	0.0	27.1	0.0	1.0	-44.1	-41.0
239	1099.72	668.94	134.00	1	500	58.9	62.1	0.0	0.0	53.6	0.3	0.4	0.0	0.0	0.0	0.0	1.0	3.6	6.8
240	1099.72	668.94	134.00	1	1000	66.1	69.3	0.0	0.0	53.6	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	11.0	14.1
241	1099.72	668.94	134.00	1	2000	65.3	68.5	0.0	0.0	53.6	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	9.4	12.5
242	1099.72	668.94	134.00	1	4000	59.1	62.3	0.0	0.0	53.6	4.4	-2.1	0.0	0.0	2.1	0.0	1.0	0.1	3.2
243	1099.72	668.94	134.00	1	8000	51.0	54.2	0.0	0.0	53.6	15.8	-2.1	0.0	0.0	2.1	0.0	1.0	-19.4	-16.3
244	1097.05	663.91	134.00	1	500	52.6	55.8	0.0	0.0	53.1	0.3	0.4	0.0	0.0	21.0	0.0	1.0	-23.2	-20.0
245	1097.05	663.91	134.00	1	1000	59.8	63.0	0.0	0.0	53.1	0.5	-1.5	0.0	0.0	25.9	0.0	1.0	-19.2	-16.0
246	1097.05	663.91	134.00	1	2000	59.0	62.2	0.0	0.0	53.1	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-21.4	-18.2
247	1097.05	663.91	134.00	1	4000	52.8	56.0	0.0	0.0	53.1	4.2	-2.1	0.0	0.0	27.1	0.0	1.0	-30.5	-27.4
248	1097.05	663.91	134.00	1	8000	44.7	47.9	0.0	0.0	53.1	15.0	-2.1	0.0	0.0	27.1	0.0	1.0	-49.4	-46.3
249	1097.63	664.22	134.00	1	1000	56.0	59.1	0.0	0.0	53.9	0.5	-1.5	0.0	0.0	14.9	0.0	1.0	-12.9	-9.7
250	1097.63	664.22	134.00	1	2000	55.2	58.3	0.0	0.0	53.9	1.4	-2.1	0.0	0.0	18.7	0.0	1.0	-17.8	-14.6
251	1097.63	664.22	134.00	1	4000	49.0	52.1	0.0	0.0	53.9	4.6	-2.1	0.0	0.0	21.8	0.0	1.0	-30.2	-27.1
252	1097.63	664.22	134.00	1	8000	40.9	44.0	0.0	0.0	53.9	16.3	-2.1	0.0	0.0	24.8	0.0	1.0	-53.1	-49.9
253	1094.07	662.35	134.00	1	500	56.5	59.6	0.0	0.0	53.2	0.3	0.4	0.0	0.0	0.0	0.0	1.0	1.6	4.8
254	1094.07	662.35	134.00	1	1000	63.7	66.8	0.0	0.0	53.2	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	9.0	12.1
255	1094.07	662.35	134.00	1	2000	62.9	66.0	0.0	0.0	53.2	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	7.4	10.5
256	1094.07	662.35	134.00	1	4000	56.7	59.8	0.0	0.0	53.2	4.2	-2.1	0.0	0.0	2.1	0.0	1.0	-1.8	1.3
257	1094.07	662.35	134.00	1	8000	48.6	51.7	0.0	0.0	53.2	15.1	-2.1	0.0	0.0	2.1	0.0	1.0	-20.8	-17.7
258	1110.96	715.73	134.00	1	1000	60.7	63.9	0.0	0.0	56.8	0.7	-1.5	0.0	0.0	26.5	0.0	1.0	-22.8	-19.7
259	1110.96	715.73	134.00	1	2000	59.9	63.1	0.0	0.0	56.8	1.9	-2.1	0.0	0.0	27.1	0.0	1.0	-24.8	-21.7
260	1110.96	715.73	134.00	1	4000	53.7	56.9	0.0	0.0	56.8	6.4	-2.1	0.0	0.0	27.1	0.0	1.0	-35.5	-32.4
261	1110.96	715.73	134.00	1	8000	45.6	48.8	0.0	0.0	56.8	22.8	-2.1	0.0	0.0	27.1	0.0	1.0	-60.0	-56.9
262	1110.36	711.93	134.00	1	1000	63.2	66.3	0.0	0.0	56.7	0.7	-1.5	0.0	0.0	13.9	0.0	1.0	-7.6	-4.5
263	1110.36	711.93	134.00	1	2000	62.4	65.5	0.0	0.0	56.7	1.9	-2.1	0.0	0.0	17.2	0.0	1.0	-12.3	-9.1
264	1110.36	711.93	134.00	1	4000	56.2	59.3	0.0	0.0	56.7	6.3	-2.1	0.0	0.0	20.0	0.0	1.0	-25.8	-22.6
265	1110.36	711.93	134.00	1	8000	48.1	51.2	0.0	0.0	56.7	22.6	-2.1	0.0	0.0	22.9	0.0	1.0	-53.0	-49.9

Linienquelle nach ISO 9613, Bez: "Lkw Rangierfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Refl.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1100.72	669.09	134.00	0	63	28.7	31.8	0.0	0.0	48.4	0.0	-3.0	0.0	0.0	5.7	0.0	-0.0	-22.4	-19.2
2	1100.72	669.09	134.00	0	125	47.4	50.5	0.0	0.0	48.4	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-1.0	2.1
3	1100.72	669.09	134.00	0	250	57.9	61.0	0.0	0.0	48.4	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	9.5	12.6
4	1100.72	669.09	134.00	0	500	68.3	71.4	0.0	0.0	48.4	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	19.8	22.9
5	1100.72	669.09	134.00	0	1000	74.5	77.6	0.0	0.0	48.4	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	25.9	29.0
6	1100.72	669.09	134.00	0	2000	74.7	77.8	0.0	0.0	48.4	0.7	-2.1	0.0	0.0	2.1	0.0	-0.0	25.6	28.8
7	1100.72	669.09	134.00	0	4000	66.5	69.6	0.0	0.0	48.4	2.4	-2.1	0.0	0.0	2.1	0.0	-0.0	15.7	18.9
8	1100.72	669.09	134.00	0	8000	60.4	63.5	0.0	0.0	48.4	8.6	-2.1	0.0	0.0	2.1	0.0	-0.0	3.4	6.6
9	1106.93	696.88	134.00	0	63	30.4	33.5	0.0	0.0	51.0	0.0	-3.0	0.0	0.0	5.1	0.0	-0.0	-22.8	-19.6

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Rangierfahrt", ID: "LKWLEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
10	1106.93	696.88	134.00	0	125	49.1	52.2	0.0	0.0	51.0	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-2.0	1.1
11	1106.93	696.88	134.00	0	250	59.6	62.7	0.0	0.0	51.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	8.4	11.5
12	1106.93	696.88	134.00	0	500	70.0	73.1	0.0	0.0	51.0	0.2	0.2	0.0	0.0	0.0	0.0	-0.0	18.6	21.7
13	1106.93	696.88	134.00	0	1000	76.2	79.3	0.0	0.0	51.0	0.4	-1.6	0.0	0.0	1.6	0.0	-0.0	24.8	27.9
14	1106.93	696.88	134.00	0	2000	76.4	79.5	0.0	0.0	51.0	1.0	-2.1	0.0	0.0	2.1	0.0	-0.0	24.4	27.5
15	1106.93	696.88	134.00	0	4000	68.2	71.3	0.0	0.0	51.0	3.3	-2.1	0.0	0.0	2.1	0.0	-0.0	13.9	17.0
16	1106.93	696.88	134.00	0	8000	62.1	65.2	0.0	0.0	51.0	11.7	-2.1	0.0	0.0	2.1	0.0	-0.0	-0.7	2.4
17	1111.05	716.20	134.00	0	63	22.6	25.7	0.0	0.0	52.5	0.0	-3.0	0.0	0.0	3.8	0.0	-0.0	-30.8	-27.6
18	1111.05	716.20	134.00	0	125	41.3	44.4	0.0	0.0	52.5	0.1	-1.2	0.0	0.0	3.8	0.0	-0.0	-13.9	-10.8
19	1111.05	716.20	134.00	0	250	51.8	54.9	0.0	0.0	52.5	0.1	0.1	0.0	0.0	4.1	0.0	-0.0	-5.1	-2.0
20	1111.05	716.20	134.00	0	500	62.2	65.3	0.0	0.0	52.5	0.2	0.3	0.0	0.0	4.8	0.0	-0.0	4.3	7.4
21	1111.05	716.20	134.00	0	1000	68.4	71.5	0.0	0.0	52.5	0.4	-1.6	0.0	0.0	5.7	0.0	-0.0	11.2	14.4
22	1111.05	716.20	134.00	0	2000	68.6	71.7	0.0	0.0	52.5	1.2	-2.1	0.0	0.0	6.7	0.0	-0.0	10.3	13.4
23	1111.05	716.20	134.00	0	4000	60.4	63.5	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	8.0	0.0	-0.0	-2.0	1.1
24	1111.05	716.20	134.00	0	8000	54.3	57.4	0.0	0.0	52.5	13.9	-2.1	0.0	0.0	9.9	0.0	-0.0	-20.0	-16.9
25	1096.37	651.08	134.00	0	63	26.5	29.7	0.0	0.0	46.2	0.0	-3.0	0.0	0.0	6.3	0.0	-0.0	-22.9	-19.8
26	1096.37	651.08	134.00	0	125	45.2	48.4	0.0	0.0	46.2	0.0	-1.5	0.0	0.0	2.5	0.0	-0.0	-2.0	1.1
27	1096.37	651.08	134.00	0	250	55.7	58.9	0.0	0.0	46.2	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	9.5	12.7
28	1096.37	651.08	134.00	0	500	66.1	69.3	0.0	0.0	46.2	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	19.9	23.0
29	1096.37	651.08	134.00	0	1000	72.3	75.5	0.0	0.0	46.2	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	26.0	29.1
30	1096.37	651.08	134.00	0	2000	72.5	75.7	0.0	0.0	46.2	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	25.8	29.0
31	1096.37	651.08	134.00	0	4000	64.3	67.5	0.0	0.0	46.2	1.9	-2.1	0.0	0.0	2.1	0.0	-0.0	16.3	19.4
32	1096.37	651.08	134.00	0	8000	58.2	61.4	0.0	0.0	46.2	6.7	-2.1	0.0	0.0	2.1	0.0	-0.0	5.4	8.5
33	1100.66	668.86	134.00	1	500	68.2	71.3	0.0	0.0	53.5	0.3	0.4	0.0	0.0	20.9	0.0	1.0	-7.9	-4.8
34	1100.66	668.86	134.00	1	1000	74.4	77.5	0.0	0.0	53.5	0.5	-1.5	0.0	0.0	25.8	0.0	1.0	-4.9	-1.8
35	1100.66	668.86	134.00	1	2000	74.6	77.7	0.0	0.0	53.5	1.3	-2.1	0.0	0.0	27.1	0.0	1.0	-6.3	-3.1
36	1100.66	668.86	134.00	1	4000	66.4	69.5	0.0	0.0	53.5	4.4	-2.1	0.0	0.0	27.1	0.0	1.0	-17.6	-14.4
37	1100.66	668.86	134.00	1	8000	60.3	63.4	0.0	0.0	53.5	15.7	-2.1	0.0	0.0	27.1	0.0	1.0	-34.9	-31.8
38	1100.72	669.09	134.00	1	500	68.3	71.4	0.0	0.0	53.6	0.3	0.4	0.0	0.0	0.0	0.0	1.0	13.0	16.2
39	1100.72	669.09	134.00	1	1000	74.5	77.6	0.0	0.0	53.6	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	19.4	22.5
40	1100.72	669.09	134.00	1	2000	74.7	77.8	0.0	0.0	53.6	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	18.8	21.9
41	1100.72	669.09	134.00	1	4000	66.5	69.6	0.0	0.0	53.6	4.4	-2.1	0.0	0.0	2.1	0.0	1.0	7.5	10.6
42	1100.72	669.09	134.00	1	8000	60.4	63.5	0.0	0.0	53.6	15.8	-2.1	0.0	0.0	2.1	0.0	1.0	-10.0	-6.8
43	1104.10	683.64	134.00	1	500	63.0	66.1	0.0	0.0	52.6	0.2	0.3	0.0	0.0	0.0	0.0	1.0	8.8	12.0
44	1104.10	683.64	134.00	1	1000	69.2	72.3	0.0	0.0	52.6	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	15.1	18.3
45	1104.10	683.64	134.00	1	2000	69.4	72.5	0.0	0.0	52.6	1.2	-2.1	0.0	0.0	2.1	0.0	1.0	14.6	17.7
46	1104.10	683.64	134.00	1	4000	61.2	64.3	0.0	0.0	52.6	3.9	-2.1	0.0	0.0	2.1	0.0	1.0	3.6	6.8
47	1104.10	683.64	134.00	1	8000	55.1	58.2	0.0	0.0	52.6	14.1	-2.1	0.0	0.0	2.1	0.0	1.0	-12.6	-9.5
48	1110.18	712.12	134.00	1	1000	67.6	70.8	0.0	0.0	56.7	0.7	-1.5	0.0	0.0	13.9	0.0	1.0	-3.2	-0.0
49	1110.18	712.12	134.00	1	2000	67.8	71.0	0.0	0.0	56.7	1.9	-2.1	0.0	0.0	17.1	0.0	1.0	-6.8	-3.7
50	1110.18	712.12	134.00	1	4000	59.6	62.8	0.0	0.0	56.7	6.3	-2.1	0.0	0.0	20.0	0.0	1.0	-22.3	-19.2
51	1110.18	712.12	134.00	1	8000	53.5	56.7	0.0	0.0	56.7	22.6	-2.1	0.0	0.0	22.9	0.0	1.0	-47.6	-44.4
52	1111.15	716.69	134.00	1	1000	67.5	70.6	0.0	0.0	56.8	0.7	-1.5	0.0	0.0	26.5	0.0	1.0	-16.1	-13.0
53	1111.15	716.69	134.00	1	2000	67.7	70.8	0.0	0.0	56.8	1.9	-2.1	0.0	0.0	27.1	0.0	1.0	-17.1	-13.9
54	1111.15	716.69	134.00	1	4000	59.5	62.6	0.0	0.0	56.8	6.4	-2.1	0.0	0.0	27.1	0.0	1.0	-29.8	-26.7
55	1111.15	716.69	134.00	1	8000	53.4	56.5	0.0	0.0	56.8	22.9	-2.1	0.0	0.0	27.1	0.0	1.0	-52.4	-49.2
56	1096.37	651.08	134.00	1	500	66.1	69.3	0.0	0.0	52.3	0.2	0.3	0.0	0.0	21.2	0.0	1.0	-8.9	-5.8
57	1096.37	651.08	134.00	1	1000	72.3	75.5	0.0	0.0	52.3	0.4	-1.6	0.0	0.0	26.0	0.0	1.0	-5.9	-2.7
58	1096.37	651.08	134.00	1	2000	72.5	75.7	0.0	0.0	52.3	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-6.9	-3.8
59	1096.37	651.08	134.00	1	4000	64.3	67.5	0.0	0.0	52.3	3.8	-2.1	0.0	0.0	27.1	0.0	1.0	-17.8	-14.7
60	1096.37	651.08	134.00	1	8000	58.2	61.4	0.0	0.0	52.3	13.6	-2.1	0.0	0.0	27.1	0.0	1.0	-33.7	-30.5
61	1097.57	655.94	134.00	1	1000	66.9	70.0	0.0	0.0	54.4	0.5	-1.5	0.0	0.0	13.4	0.0	1.0	-1.0	2.1
62	1097.57	655.94	134.00	1	2000	67.1	70.2	0.0	0.0	54.4	1.4	-2.1	0.0	0.0	17.1	0.0	1.0	-4.8	-1.7
63	1097.57	655.94	134.00	1	4000	58.9	62.0	0.0	0.0	54.4	4.8	-2.1	0.0	0.0	20.1	0.0	1.0	-19.4	-16.3
64	1097.57	655.94	134.00	1	8000	52.8	55.9	0.0	0.0	54.4	17.3	-2.1	0.0	0.0	23.1	0.0	1.0	-40.9	-37.8
65	1095.23	646.50	134.00	1	1000	67.5	70.6	0.0	0.0	54.3	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	11.7	14.8
66	1095.23	646.50	134.00	1	2000	67.7	70.8	0.0	0.0	54.3	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	11.0	14.1
67	1095.23	646.50	134.00	1	4000	59.5	62.6	0.0	0.0	54.3	4.8	-2.1	0.0	0.0	2.1	0.0	1.0	-0.6	2.6
68	1095.23	646.50	134.00	1	8000	53.4	56.5	0.0	0.0	54.3	17.0	-2.1	0.0	0.0	2.1	0.0	1.0	-18.9	-15.8
69	1096.16	650.26	134.00	1	1000	65.9	69.0	0.0	0.0	54.0	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	10.3	13.5
70	1096.16	650.26	134.00	1	2000	66.1	69.2	0.0	0.0	54.0	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	9.7	12.8
71	1096.16	650.26	134.00	1	4000	57.9	61.0	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	2.1	0.0	1.0	-1.8	1.3
72	1096.16	650.26	134.00	1	8000	51.8	54.9	0.0	0.0	54.0	16.6	-2.1	0.0	0.0	2.1	0.0	1.0	-19.8	-16.7

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWDRUGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1057.62	644.38	134.00	0	63	8.2	-88.0	0.0	0.0	41.8	0.0	-3.0	0.0	0.0	6.7	0.0	-0.0	-37.2	-88.0

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWDROGMARKT"																			
Nr.	X	Y	Z	Refl.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
2	1057.62	644.38	134.00	0	125	32.3	-88.0	0.0	0.0	41.8	0.0	-1.6	0.0	0.0	3.8	0.0	-0.0	-11.7	-88.0
3	1057.62	644.38	134.00	0	250	41.8	-88.0	0.0	0.0	41.8	0.0	-0.9	0.0	0.0	0.9	0.0	-0.0	0.0	-88.0
4	1057.62	644.38	134.00	0	500	51.2	-88.0	0.0	0.0	41.8	0.1	-0.8	0.0	0.0	0.8	0.0	-0.0	9.4	-88.0
5	1057.62	644.38	134.00	0	1000	58.4	-88.0	0.0	0.0	41.8	0.1	-1.8	0.0	0.0	1.8	0.0	-0.0	16.5	-88.0
6	1057.62	644.38	134.00	0	2000	57.6	-88.0	0.0	0.0	41.8	0.3	-2.1	0.0	0.0	2.1	0.0	-0.0	15.5	-88.0
7	1057.62	644.38	134.00	0	4000	51.4	-88.0	0.0	0.0	41.8	1.1	-2.1	0.0	0.0	2.1	0.0	-0.0	8.5	-88.0
8	1057.62	644.38	134.00	0	8000	43.3	-88.0	0.0	0.0	41.8	4.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-2.5	-88.0
9	1059.81	654.51	134.00	0	63	8.2	-88.0	0.0	0.0	44.0	0.0	-3.0	0.0	0.0	6.1	0.0	-0.0	-38.9	-88.0
10	1059.81	654.51	134.00	0	125	32.3	-88.0	0.0	0.0	44.0	0.0	-1.5	0.0	0.0	2.0	0.0	-0.0	-12.2	-88.0
11	1059.81	654.51	134.00	0	250	41.8	-88.0	0.0	0.0	44.0	0.1	-0.7	0.0	0.0	0.7	0.0	-0.0	-2.2	-88.0
12	1059.81	654.51	134.00	0	500	51.2	-88.0	0.0	0.0	44.0	0.1	-0.5	0.0	0.0	0.5	0.0	-0.0	7.1	-88.0
13	1059.81	654.51	134.00	0	1000	58.4	-88.0	0.0	0.0	44.0	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	14.3	-88.0
14	1059.81	654.51	134.00	0	2000	57.6	-88.0	0.0	0.0	44.0	0.4	-2.1	0.0	0.0	2.1	0.0	-0.0	13.2	-88.0
15	1059.81	654.51	134.00	0	4000	51.4	-88.0	0.0	0.0	44.0	1.5	-2.1	0.0	0.0	2.1	0.0	-0.0	6.0	-88.0
16	1059.81	654.51	134.00	0	8000	43.3	-88.0	0.0	0.0	44.0	5.2	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.9	-88.0
17	1062.89	668.03	134.00	0	63	10.5	-88.0	0.0	0.0	46.3	0.0	-3.0	0.0	0.0	5.6	0.0	-0.0	-38.5	-88.0
18	1062.89	668.03	134.00	0	125	34.6	-88.0	0.0	0.0	46.3	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-11.8	-88.0
19	1062.89	668.03	134.00	0	250	44.1	-88.0	0.0	0.0	46.3	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	-2.3	-88.0
20	1062.89	668.03	134.00	0	500	53.5	-88.0	0.0	0.0	46.3	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	7.0	-88.0
21	1062.89	668.03	134.00	0	1000	60.7	-88.0	0.0	0.0	46.3	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	14.2	-88.0
22	1062.89	668.03	134.00	0	2000	59.9	-88.0	0.0	0.0	46.3	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	13.0	-88.0
23	1062.89	668.03	134.00	0	4000	53.7	-88.0	0.0	0.0	46.3	1.9	-2.1	0.0	0.0	2.1	0.0	-0.0	5.5	-88.0
24	1062.89	668.03	134.00	0	8000	45.6	-88.0	0.0	0.0	46.3	6.8	-2.1	0.0	0.0	2.1	0.0	-0.0	-7.6	-88.0
25	1066.12	681.77	134.00	0	63	8.4	-88.0	0.0	0.0	48.2	0.0	-3.0	0.0	0.0	5.3	0.0	-0.0	-42.0	-88.0
26	1066.12	681.77	134.00	0	125	32.5	-88.0	0.0	0.0	48.2	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-15.7	-88.0
27	1066.12	681.77	134.00	0	250	42.0	-88.0	0.0	0.0	48.2	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	-6.2	-88.0
28	1066.12	681.77	134.00	0	500	51.4	-88.0	0.0	0.0	48.2	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	3.1	-88.0
29	1066.12	681.77	134.00	0	1000	58.6	-88.0	0.0	0.0	48.2	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	10.2	-88.0
30	1066.12	681.77	134.00	0	2000	57.8	-88.0	0.0	0.0	48.2	0.7	-2.1	0.0	0.0	2.1	0.0	-0.0	8.9	-88.0
31	1066.12	681.77	134.00	0	4000	51.6	-88.0	0.0	0.0	48.2	2.4	-2.1	0.0	0.0	2.1	0.0	-0.0	1.1	-88.0
32	1066.12	681.77	134.00	0	8000	43.5	-88.0	0.0	0.0	48.2	8.5	-2.1	0.0	0.0	2.1	0.0	-0.0	-13.1	-88.0
33	1047.11	639.08	134.00	0	63	6.5	-88.0	0.0	0.0	40.8	0.0	-3.0	0.0	0.0	7.2	0.0	-0.0	-38.5	-88.0
34	1047.11	639.08	134.00	0	125	30.6	-88.0	0.0	0.0	40.8	0.0	-1.7	0.0	0.0	5.3	0.0	-0.0	-13.8	-88.0
35	1047.11	639.08	134.00	0	250	40.1	-88.0	0.0	0.0	40.8	0.0	-1.0	0.0	0.0	3.0	0.0	-0.0	-2.7	-88.0
36	1047.11	639.08	134.00	0	500	49.5	-88.0	0.0	0.0	40.8	0.1	-0.9	0.0	0.0	0.9	0.0	-0.0	8.7	-88.0
37	1047.11	639.08	134.00	0	1000	56.7	-88.0	0.0	0.0	40.8	0.1	-1.8	0.0	0.0	1.8	0.0	-0.0	15.8	-88.0
38	1047.11	639.08	134.00	0	2000	55.9	-88.0	0.0	0.0	40.8	0.3	-2.1	0.0	0.0	2.1	0.0	-0.0	14.9	-88.0
39	1047.11	639.08	134.00	0	4000	49.7	-88.0	0.0	0.0	40.8	1.0	-2.1	0.0	0.0	2.1	0.0	-0.0	7.9	-88.0
40	1047.11	639.08	134.00	0	8000	41.6	-88.0	0.0	0.0	40.8	3.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-2.8	-88.0
41	1053.53	638.84	134.00	0	63	5.9	-88.0	0.0	0.0	40.3	0.0	-3.0	0.0	0.0	7.1	0.0	-0.0	-38.5	-88.0
42	1053.53	638.84	134.00	0	125	30.0	-88.0	0.0	0.0	40.3	0.0	-1.7	0.0	0.0	5.0	0.0	-0.0	-13.7	-88.0
43	1053.53	638.84	134.00	0	250	39.5	-88.0	0.0	0.0	40.3	0.0	-1.0	0.0	0.0	2.2	0.0	-0.0	-2.0	-88.0
44	1053.53	638.84	134.00	0	500	48.9	-88.0	0.0	0.0	40.3	0.1	-0.9	0.0	0.0	0.9	0.0	-0.0	8.5	-88.0
45	1053.53	638.84	134.00	0	1000	56.1	-88.0	0.0	0.0	40.3	0.1	-1.8	0.0	0.0	1.8	0.0	-0.0	15.7	-88.0
46	1053.53	638.84	134.00	0	2000	55.3	-88.0	0.0	0.0	40.3	0.3	-2.1	0.0	0.0	2.1	0.0	-0.0	14.7	-88.0
47	1053.53	638.84	134.00	0	4000	49.1	-88.0	0.0	0.0	40.3	1.0	-2.1	0.0	0.0	2.1	0.0	-0.0	7.8	-88.0
48	1053.53	638.84	134.00	0	8000	41.0	-88.0	0.0	0.0	40.3	3.4	-2.1	0.0	0.0	2.1	0.0	-0.0	-2.7	-88.0
49	1030.64	633.85	134.00	0	63	-5.6	-88.0	0.0	0.0	42.0	0.0	-3.0	0.0	0.0	7.8	0.0	-0.0	-52.3	-88.0
50	1030.64	633.85	134.00	0	125	18.5	-88.0	0.0	0.0	42.0	0.0	-1.6	0.0	0.0	6.4	0.0	-0.0	-28.2	-88.0
51	1030.64	633.85	134.00	0	250	28.0	-88.0	0.0	0.0	42.0	0.0	-0.9	0.0	0.0	5.6	0.0	-0.0	-18.7	-88.0
52	1030.64	633.85	134.00	0	500	37.4	-88.0	0.0	0.0	42.0	0.1	-0.8	0.0	0.0	5.5	0.0	-0.0	-9.3	-88.0
53	1030.64	633.85	134.00	0	1000	44.6	-88.0	0.0	0.0	42.0	0.1	-1.8	0.0	0.0	6.5	0.0	-0.0	-2.2	-88.0
54	1030.64	633.85	134.00	0	2000	43.8	-88.0	0.0	0.0	42.0	0.3	-2.1	0.0	0.0	6.7	0.0	-0.0	-3.1	-88.0
55	1030.64	633.85	134.00	0	4000	37.6	-88.0	0.0	0.0	42.0	1.2	-2.1	0.0	0.0	6.5	0.0	-0.0	-9.9	-88.0
56	1030.64	633.85	134.00	0	8000	29.5	-88.0	0.0	0.0	42.0	4.1	-2.1	0.0	0.0	6.1	0.0	-0.0	-20.6	-88.0
57	1033.07	635.84	134.00	0	63	5.8	-88.0	0.0	0.0	41.9	0.0	-3.0	0.0	0.0	7.7	0.0	-0.0	-40.9	-88.0
58	1033.07	635.84	134.00	0	125	29.9	-88.0	0.0	0.0	41.9	0.0	-1.6	0.0	0.0	6.2	0.0	-0.0	-16.7	-88.0
59	1033.07	635.84	134.00	0	250	39.4	-88.0	0.0	0.0	41.9	0.0	-0.9	0.0	0.0	5.3	0.0	-0.0	-7.0	-88.0
60	1033.07	635.84	134.00	0	500	48.8	-88.0	0.0	0.0	41.9	0.1	-0.8	0.0	0.0	4.8	0.0	-0.0	2.7	-88.0
61	1033.07	635.84	134.00	0	1000	56.0	-88.0	0.0	0.0	41.9	0.1	-1.8	0.0	0.0	5.0	0.0	-0.0	10.7	-88.0
62	1033.07	635.84	134.00	0	2000	55.2	-88.0	0.0	0.0	41.9	0.3	-2.1	0.0	0.0	2.8	0.0	-0.0	12.2	-88.0
63	1033.07	635.84	134.00	0	4000	49.0	-88.0	0.0	0.0	41.9	1.2	-2.1	0.0	0.0	2.1	0.0	-0.0	5.9	-88.0
64	1033.07	635.84	134.00	0	8000	40.9	-88.0	0.0	0.0	41.9	4.1	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.2	-88.0
65	1041.03	640.27	134.00	0	63	5.4	-88.0	0.0	0.0	41.7	0.0	-3.0	0.0	0.0	7.3	0.0	-0.0	-40.6	-88.0
66	1041.03	640.27	134.00	0	125	29.5	-88.0	0.0	0.0	41.7	0.0	-1.6	0.0	0.0	5.4	0.0	-0.0	-15.9	-88.0
67	1041.03	640.27	134.00	0	250	39.0	-88.0	0.0	0.0	41.7	0.0	-0.9	0.0	0.0	3.3	0.0	-0.0	-5.1	-88.0
68	1041.03	640.27	134.00	0	500	48.4	-88.0	0.0	0.0	41.7	0.1	-0.8	0.0	0.0	4.8	0.0	-0.0	6.7	-88.0
69	1041.03	640.27	134.00	0	1000	55.6	-88.0	0.0	0.0	41.7	0.1	-1.8	0.0						

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWDROGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
70	1041.03	640.27	134.00	0	2000	54.8	-88.0	0.0	0.0	41.7	0.3	-2.1	0.0	0.0	2.1	0.0	-0.0	12.8	-88.0
71	1041.03	640.27	134.00	0	4000	48.6	-88.0	0.0	0.0	41.7	1.1	-2.1	0.0	0.0	2.1	0.0	-0.0	5.8	-88.0
72	1041.03	640.27	134.00	0	8000	40.5	-88.0	0.0	0.0	41.7	4.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-5.2	-88.0
73	1036.85	639.22	134.00	0	63	4.4	-88.0	0.0	0.0	42.0	0.0	-3.0	0.0	0.0	7.4	0.0	-0.0	-42.0	-88.0
74	1036.85	639.22	134.00	0	125	28.5	-88.0	0.0	0.0	42.0	0.0	-1.6	0.0	0.0	5.7	0.0	-0.0	-17.6	-88.0
75	1036.85	639.22	134.00	0	250	38.0	-88.0	0.0	0.0	42.0	0.0	-0.9	0.0	0.0	4.1	0.0	-0.0	-7.3	-88.0
76	1036.85	639.22	134.00	0	500	47.4	-88.0	0.0	0.0	42.0	0.1	-0.8	0.0	0.0	1.7	0.0	-0.0	4.4	-88.0
77	1036.85	639.22	134.00	0	1000	54.6	-88.0	0.0	0.0	42.0	0.1	-1.8	0.0	0.0	1.8	0.0	-0.0	12.5	-88.0
78	1036.85	639.22	134.00	0	2000	53.8	-88.0	0.0	0.0	42.0	0.3	-2.1	0.0	0.0	2.1	0.0	-0.0	11.5	-88.0
79	1036.85	639.22	134.00	0	4000	47.6	-88.0	0.0	0.0	42.0	1.2	-2.1	0.0	0.0	2.1	0.0	-0.0	4.5	-88.0
80	1036.85	639.22	134.00	0	8000	39.5	-88.0	0.0	0.0	42.0	4.1	-2.1	0.0	0.0	2.1	0.0	-0.0	-6.6	-88.0
81	1048.28	690.94	134.00	0	63	8.8	-88.0	0.0	0.0	49.2	0.0	-3.0	0.0	0.0	5.3	0.0	-0.0	-42.8	-88.0
82	1048.28	690.94	134.00	0	125	32.9	-88.0	0.0	0.0	49.2	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-16.4	-88.0
83	1048.28	690.94	134.00	0	250	42.4	-88.0	0.0	0.0	49.2	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-6.9	-88.0
84	1048.28	690.94	134.00	0	500	51.8	-88.0	0.0	0.0	49.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.0	2.4	-88.0
85	1048.28	690.94	134.00	0	1000	59.0	-88.0	0.0	0.0	49.2	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	9.5	-88.0
86	1048.28	690.94	134.00	0	2000	58.2	-88.0	0.0	0.0	49.2	0.8	-2.1	0.0	0.0	2.1	0.0	-0.0	8.2	-88.0
87	1048.28	690.94	134.00	0	4000	52.0	-88.0	0.0	0.0	49.2	2.7	-2.1	0.0	0.0	2.1	0.0	-0.0	0.1	-88.0
88	1048.28	690.94	134.00	0	8000	43.9	-88.0	0.0	0.0	49.2	9.5	-2.1	0.0	0.0	2.1	0.0	-0.0	-14.8	-88.0
89	1064.32	698.19	134.00	0	63	8.6	-88.0	0.0	0.0	49.9	0.0	-3.0	0.0	0.0	5.0	0.0	-0.0	-43.4	-88.0
90	1064.32	698.19	134.00	0	125	32.7	-88.0	0.0	0.0	49.9	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-17.3	-88.0
91	1064.32	698.19	134.00	0	250	42.2	-88.0	0.0	0.0	49.9	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-7.9	-88.0
92	1064.32	698.19	134.00	0	500	51.6	-88.0	0.0	0.0	49.9	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	1.4	-88.0
93	1064.32	698.19	134.00	0	1000	58.8	-88.0	0.0	0.0	49.9	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	8.5	-88.0
94	1064.32	698.19	134.00	0	2000	58.0	-88.0	0.0	0.0	49.9	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	7.2	-88.0
95	1064.32	698.19	134.00	0	4000	51.8	-88.0	0.0	0.0	49.9	2.9	-2.1	0.0	0.0	2.1	0.0	-0.0	-1.1	-88.0
96	1064.32	698.19	134.00	0	8000	43.7	-88.0	0.0	0.0	49.9	10.3	-2.1	0.0	0.0	2.1	0.0	-0.0	-16.6	-88.0
97	1068.10	690.99	134.00	0	63	7.1	-88.0	0.0	0.0	49.3	0.0	-3.0	0.0	0.0	5.1	0.0	-0.0	-44.2	-88.0
98	1068.10	690.99	134.00	0	125	31.2	-88.0	0.0	0.0	49.3	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-18.1	-88.0
99	1068.10	690.99	134.00	0	250	40.7	-88.0	0.0	0.0	49.3	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-8.6	-88.0
100	1068.10	690.99	134.00	0	500	50.1	-88.0	0.0	0.0	49.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.0	0.7	-88.0
101	1068.10	690.99	134.00	0	1000	57.3	-88.0	0.0	0.0	49.3	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	7.8	-88.0
102	1068.10	690.99	134.00	0	2000	56.5	-88.0	0.0	0.0	49.3	0.8	-2.1	0.0	0.0	2.1	0.0	-0.0	6.5	-88.0
103	1068.10	690.99	134.00	0	4000	50.3	-88.0	0.0	0.0	49.3	2.7	-2.1	0.0	0.0	2.1	0.0	-0.0	-1.6	-88.0
104	1068.10	690.99	134.00	0	8000	42.2	-88.0	0.0	0.0	49.3	9.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-16.6	-88.0
105	1057.00	700.64	134.00	0	63	5.7	-88.0	0.0	0.0	50.1	0.0	-3.0	0.0	0.0	5.1	0.0	-0.0	-46.5	-88.0
106	1057.00	700.64	134.00	0	125	29.8	-88.0	0.0	0.0	50.1	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-20.3	-88.0
107	1057.00	700.64	134.00	0	250	39.3	-88.0	0.0	0.0	50.1	0.1	-0.0	0.0	0.0	0.0	0.0	-0.0	-10.9	-88.0
108	1057.00	700.64	134.00	0	500	48.7	-88.0	0.0	0.0	50.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	-1.7	-88.0
109	1057.00	700.64	134.00	0	1000	55.9	-88.0	0.0	0.0	50.1	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	5.5	-88.0
110	1057.00	700.64	134.00	0	2000	55.1	-88.0	0.0	0.0	50.1	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	4.1	-88.0
111	1057.00	700.64	134.00	0	4000	48.9	-88.0	0.0	0.0	50.1	3.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-4.2	-88.0
112	1057.00	700.64	134.00	0	8000	40.8	-88.0	0.0	0.0	50.1	10.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-19.9	-88.0
113	1053.11	698.97	134.00	0	63	2.5	-88.0	0.0	0.0	50.0	0.0	-3.0	0.0	0.0	5.1	0.0	-0.0	-49.6	-88.0
114	1053.11	698.97	134.00	0	125	26.6	-88.0	0.0	0.0	50.0	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-23.4	-88.0
115	1053.11	698.97	134.00	0	250	36.1	-88.0	0.0	0.0	50.0	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-14.0	-88.0
116	1053.11	698.97	134.00	0	500	45.5	-88.0	0.0	0.0	50.0	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	-4.8	-88.0
117	1053.11	698.97	134.00	0	1000	52.7	-88.0	0.0	0.0	50.0	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	2.4	-88.0
118	1053.11	698.97	134.00	0	2000	51.9	-88.0	0.0	0.0	50.0	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	1.1	-88.0
119	1053.11	698.97	134.00	0	4000	45.7	-88.0	0.0	0.0	50.0	2.9	-2.1	0.0	0.0	2.1	0.0	-0.0	-7.2	-88.0
120	1053.11	698.97	134.00	0	8000	37.6	-88.0	0.0	0.0	50.0	10.4	-2.1	0.0	0.0	2.1	0.0	-0.0	-22.8	-88.0
121	1051.01	697.33	134.00	0	63	2.1	-88.0	0.0	0.0	49.8	0.0	-3.0	0.0	0.0	5.2	0.0	-0.0	-49.9	-88.0
122	1051.01	697.33	134.00	0	125	26.2	-88.0	0.0	0.0	49.8	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-23.6	-88.0
123	1051.01	697.33	134.00	0	250	35.7	-88.0	0.0	0.0	49.8	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-14.2	-88.0
124	1051.01	697.33	134.00	0	500	45.1	-88.0	0.0	0.0	49.8	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	-5.0	-88.0
125	1051.01	697.33	134.00	0	1000	52.3	-88.0	0.0	0.0	49.8	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	2.2	-88.0
126	1051.01	697.33	134.00	0	2000	51.5	-88.0	0.0	0.0	49.8	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	0.9	-88.0
127	1051.01	697.33	134.00	0	4000	45.3	-88.0	0.0	0.0	49.8	2.9	-2.1	0.0	0.0	2.1	0.0	-0.0	-7.4	-88.0
128	1051.01	697.33	134.00	0	8000	37.2	-88.0	0.0	0.0	49.8	10.2	-2.1	0.0	0.0	2.1	0.0	-0.0	-22.8	-88.0
129	1056.84	640.79	134.00	1	500	45.9	-88.0	0.0	0.0	50.2	0.2	0.1	0.0	0.0	20.4	0.0	1.0	-26.1	-88.0
130	1056.84	640.79	134.00	1	1000	53.1	-88.0	0.0	0.0	50.2	0.3	-1.6	0.0	0.0	25.7	0.0	1.0	-22.6	-88.0
131	1056.84	640.79	134.00	1	2000	52.3	-88.0	0.0	0.0	50.2	0.9	-2.1	0.0	0.0	27.1	0.0	1.0	-24.9	-88.0
132	1056.84	640.79	134.00	1	4000	46.1	-88.0	0.0	0.0	50.2	3.0	-2.1	0.0	0.0	27.1	0.0	1.0	-33.2	-88.0
133	1056.84	640.79	134.00	1	8000	38.0	-88.0	0.0	0.0	50.2	10.7	-2.1	0.0	0.0	27.1	0.0	1.0	-48.9	-88.0
134	1057.96	645.97	134.00	1	500	49.9	-88.0	0.0	0.0	50.7	0.2	0.2	0.0	0.0	20.4	0.0	1.0	-22.6	-88.0
135	1057.96	645.97	134.00	1	1000	57.1	-88.0	0.0	0.0	50.7	0.4	-1.6	0.0	0.0	25.7	0.0	1.0	-19.1	-88.0
136	1057.96	645.97	134.00	1	2000	56.3	-88.0	0.0	0.0	50.7	0.9	-2.1	0.0	0.0	27.1	0.0	1.0	-21.4	-88.0
137	1057.96	645.97	134.00	1	4														

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWDRGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
138	1057.96	645.97	134.00	1	8000	42.0	-88.0	0.0	0.0	50.7	11.3	-2.1	0.0	0.0	27.1	0.0	1.0	-46.0	-88.0
139	1057.62	644.38	134.00	1	1000	58.4	-88.0	0.0	0.0	55.3	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	1.5	-88.0
140	1057.62	644.38	134.00	1	2000	57.6	-88.0	0.0	0.0	55.3	1.6	-2.1	0.0	0.0	2.1	0.0	1.0	-0.3	-88.0
141	1057.62	644.38	134.00	1	4000	51.4	-88.0	0.0	0.0	55.3	5.4	-2.1	0.0	0.0	2.1	0.0	1.0	-10.3	-88.0
142	1057.62	644.38	134.00	1	8000	43.3	-88.0	0.0	0.0	55.3	19.3	-2.1	0.0	0.0	2.1	0.0	1.0	-32.3	-88.0
143	1059.81	654.51	134.00	1	1000	58.4	-88.0	0.0	0.0	54.8	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	2.1	-88.0
144	1059.81	654.51	134.00	1	2000	57.6	-88.0	0.0	0.0	54.8	1.5	-2.1	0.0	0.0	2.1	0.0	1.0	0.4	-88.0
145	1059.81	654.51	134.00	1	4000	51.4	-88.0	0.0	0.0	54.8	5.1	-2.1	0.0	0.0	2.1	0.0	1.0	-9.4	-88.0
146	1059.81	654.51	134.00	1	8000	43.3	-88.0	0.0	0.0	54.8	18.1	-2.1	0.0	0.0	2.1	0.0	1.0	-30.5	-88.0
147	1064.13	673.30	134.00	1	500	55.6	-88.0	0.0	0.0	53.6	0.3	0.4	0.0	0.0	0.0	0.0	1.0	0.3	-88.0
148	1064.13	673.30	134.00	1	1000	62.8	-88.0	0.0	0.0	53.6	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	7.7	-88.0
149	1064.13	673.30	134.00	1	2000	62.0	-88.0	0.0	0.0	53.6	1.3	-2.1	0.0	0.0	2.1	0.0	1.0	6.0	-88.0
150	1064.13	673.30	134.00	1	4000	55.8	-88.0	0.0	0.0	53.6	4.4	-2.1	0.0	0.0	2.1	0.0	1.0	-3.3	-88.0
151	1064.13	673.30	134.00	1	8000	47.7	-88.0	0.0	0.0	53.6	15.8	-2.1	0.0	0.0	2.1	0.0	1.0	-22.7	-88.0
152	1045.90	639.33	134.00	1	500	47.6	-88.0	0.0	0.0	49.9	0.2	0.1	0.0	0.0	21.3	0.0	1.0	-24.9	-88.0
153	1045.90	639.33	134.00	1	1000	54.8	-88.0	0.0	0.0	49.9	0.3	-1.6	0.0	0.0	26.0	0.0	1.0	-20.8	-88.0
154	1045.90	639.33	134.00	1	2000	54.0	-88.0	0.0	0.0	49.9	0.9	-2.1	0.0	0.0	27.1	0.0	1.0	-22.7	-88.0
155	1045.90	639.33	134.00	1	4000	47.8	-88.0	0.0	0.0	49.9	2.9	-2.1	0.0	0.0	27.1	0.0	1.0	-30.9	-88.0
156	1045.90	639.33	134.00	1	8000	39.7	-88.0	0.0	0.0	49.9	10.3	-2.1	0.0	0.0	27.1	0.0	1.0	-46.4	-88.0
157	1049.32	638.62	134.00	1	500	45.0	-88.0	0.0	0.0	49.9	0.2	0.1	0.0	0.0	21.4	0.0	1.0	-27.4	-88.0
158	1049.32	638.62	134.00	1	1000	52.2	-88.0	0.0	0.0	49.9	0.3	-1.6	0.0	0.0	26.0	0.0	1.0	-23.4	-88.0
159	1049.32	638.62	134.00	1	2000	51.4	-88.0	0.0	0.0	49.9	0.9	-2.1	0.0	0.0	27.1	0.0	1.0	-25.3	-88.0
160	1049.32	638.62	134.00	1	4000	45.2	-88.0	0.0	0.0	49.9	2.9	-2.1	0.0	0.0	27.1	0.0	1.0	-33.5	-88.0
161	1049.32	638.62	134.00	1	8000	37.1	-88.0	0.0	0.0	49.9	10.3	-2.1	0.0	0.0	27.1	0.0	1.0	-49.0	-88.0
162	1045.46	639.42	134.00	1	1000	53.9	-88.0	0.0	0.0	55.3	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-3.1	-88.0
163	1045.46	639.42	134.00	1	2000	53.1	-88.0	0.0	0.0	55.3	1.6	-2.1	0.0	0.0	2.1	0.0	1.0	-4.9	-88.0
164	1045.46	639.42	134.00	1	4000	46.9	-88.0	0.0	0.0	55.3	5.4	-2.1	0.0	0.0	2.1	0.0	1.0	-14.9	-88.0
165	1045.46	639.42	134.00	1	8000	38.8	-88.0	0.0	0.0	55.3	19.3	-2.1	0.0	0.0	2.1	0.0	1.0	-36.9	-88.0
166	1049.17	638.65	134.00	1	1000	52.8	-88.0	0.0	0.0	55.7	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-4.6	-88.0
167	1049.17	638.65	134.00	1	2000	52.0	-88.0	0.0	0.0	55.7	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	-6.5	-88.0
168	1049.17	638.65	134.00	1	4000	45.8	-88.0	0.0	0.0	55.7	5.6	-2.1	0.0	0.0	2.1	0.0	1.0	-16.7	-88.0
169	1049.17	638.65	134.00	1	8000	37.7	-88.0	0.0	0.0	55.7	20.2	-2.1	0.0	0.0	2.1	0.0	1.0	-39.3	-88.0
170	1053.53	638.84	134.00	1	500	48.9	-88.0	0.0	0.0	50.0	0.2	0.1	0.0	0.0	21.4	0.0	1.0	-23.7	-88.0
171	1053.53	638.84	134.00	1	1000	56.1	-88.0	0.0	0.0	50.0	0.3	-1.6	0.0	0.0	26.0	0.0	1.0	-19.6	-88.0
172	1053.53	638.84	134.00	1	2000	55.3	-88.0	0.0	0.0	50.0	0.9	-2.1	0.0	0.0	27.1	0.0	1.0	-21.5	-88.0
173	1053.53	638.84	134.00	1	4000	49.1	-88.0	0.0	0.0	50.0	2.9	-2.1	0.0	0.0	27.1	0.0	1.0	-29.8	-88.0
174	1053.53	638.84	134.00	1	8000	41.0	-88.0	0.0	0.0	50.0	10.4	-2.1	0.0	0.0	27.1	0.0	1.0	-45.3	-88.0
175	1050.96	638.43	134.00	1	1000	47.6	-88.0	0.0	0.0	55.7	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-9.8	-88.0
176	1050.96	638.43	134.00	1	2000	46.8	-88.0	0.0	0.0	55.7	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	-11.6	-88.0
177	1050.96	638.43	134.00	1	4000	40.6	-88.0	0.0	0.0	55.7	5.6	-2.1	0.0	0.0	2.1	0.0	1.0	-21.8	-88.0
178	1050.96	638.43	134.00	1	8000	32.5	-88.0	0.0	0.0	55.7	20.1	-2.1	0.0	0.0	2.1	0.0	1.0	-44.4	-88.0
179	1053.95	638.91	134.00	1	1000	55.5	-88.0	0.0	0.0	55.7	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-1.9	-88.0
180	1053.95	638.91	134.00	1	2000	54.7	-88.0	0.0	0.0	55.7	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	-3.7	-88.0
181	1053.95	638.91	134.00	1	4000	48.5	-88.0	0.0	0.0	55.7	5.6	-2.1	0.0	0.0	2.1	0.0	1.0	-13.8	-88.0
182	1053.95	638.91	134.00	1	8000	40.4	-88.0	0.0	0.0	55.7	20.0	-2.1	0.0	0.0	2.1	0.0	1.0	-36.3	-88.0
183	1034.10	636.70	134.00	1	2000	52.5	-88.0	0.0	0.0	52.8	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-27.5	-88.0
184	1034.10	636.70	134.00	1	4000	46.3	-88.0	0.0	0.0	52.8	4.0	-2.1	0.0	0.0	27.1	0.0	1.0	-36.6	-88.0
185	1034.10	636.70	134.00	1	8000	38.2	-88.0	0.0	0.0	52.8	14.4	-2.1	0.0	0.0	27.1	0.0	1.0	-55.0	-88.0
186	1032.90	635.71	134.00	1	1000	56.3	-88.0	0.0	0.0	55.8	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-1.1	-88.0
187	1032.90	635.71	134.00	1	2000	55.5	-88.0	0.0	0.0	55.8	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	-3.0	-88.0
188	1032.90	635.71	134.00	1	4000	49.3	-88.0	0.0	0.0	55.8	5.7	-2.1	0.0	0.0	2.1	0.0	1.0	-13.2	-88.0
189	1032.90	635.71	134.00	1	8000	41.2	-88.0	0.0	0.0	55.8	20.2	-2.1	0.0	0.0	2.1	0.0	1.0	-35.8	-88.0
190	1042.18	640.06	134.00	1	500	46.0	-88.0	0.0	0.0	49.9	0.2	0.1	0.0	0.0	21.3	0.0	1.0	-26.6	-88.0
191	1042.18	640.06	134.00	1	1000	53.2	-88.0	0.0	0.0	49.9	0.3	-1.6	0.0	0.0	26.0	0.0	1.0	-22.5	-88.0
192	1042.18	640.06	134.00	1	2000	52.4	-88.0	0.0	0.0	49.9	0.9	-2.1	0.0	0.0	27.1	0.0	1.0	-24.4	-88.0
193	1042.18	640.06	134.00	1	4000	46.2	-88.0	0.0	0.0	49.9	2.9	-2.1	0.0	0.0	27.1	0.0	1.0	-32.7	-88.0
194	1042.18	640.06	134.00	1	8000	38.1	-88.0	0.0	0.0	49.9	10.3	-2.1	0.0	0.0	27.1	0.0	1.0	-48.2	-88.0
195	1039.07	640.62	134.00	1	2000	49.0	-88.0	0.0	0.0	53.1	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-31.4	-88.0
196	1039.07	640.62	134.00	1	4000	42.8	-88.0	0.0	0.0	53.1	4.2	-2.1	0.0	0.0	27.1	0.0	1.0	-40.5	-88.0
197	1039.07	640.62	134.00	1	8000	34.7	-88.0	0.0	0.0	53.1	14.9	-2.1	0.0	0.0	27.1	0.0	1.0	-59.4	-88.0
198	1039.87	640.48	134.00	1	2000	40.8	-88.0	0.0	0.0	53.1	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-39.5	-88.0
199	1039.87	640.48	134.00	1	4000	34.6	-88.0	0.0	0.0	53.1	4.2	-2.1	0.0	0.0	27.1	0.0	1.0	-48.7	-88.0
200	1039.87	640.48	134.00	1	8000	26.5	-88.0	0.0	0.0	53.1	14.9	-2.1	0.0	0.0	27.1	0.0	1.0	-67.5	-88.0
201	1040.59	640.35	134.00	1	2000	48.4	-88.0	0.0	0.0	53.1	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-32.0	-88.0
202	1040.59	640.35	134.00	1	4000	42.2	-88.0	0.0	0.0	53.1	4.2	-2.1	0.0	0.0	27.1	0.0	1.0	-41.1	-88.0
203	1040.59	640.35	134.00	1	8000	34.1	-88.0	0.0	0.0	53.1	14.9	-2.1	0.0	0.0	27.1	0.0	1.0	-59.9	-88.0
204	1041.03	640.27	134.00	1	1000	55.6	-88.0	0.0	0.0	55.4	0.6	-1.5							

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Anfahrt", ID: "LKWDRÖGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
206	1041.03	640.27	134.00	1	4000	48.6	-88.0	0.0	0.0	55.4	5.4	-2.1	0.0	0.0	2.1	0.0	1.0	-13.2	-88.0
207	1041.03	640.27	134.00	1	8000	40.5	-88.0	0.0	0.0	55.4	19.4	-2.1	0.0	0.0	2.1	0.0	1.0	-35.3	-88.0
208	1036.85	639.22	134.00	1	2000	53.8	-88.0	0.0	0.0	53.0	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-26.4	-88.0
209	1036.85	639.22	134.00	1	4000	47.6	-88.0	0.0	0.0	53.0	4.1	-2.1	0.0	0.0	27.1	0.0	1.0	-35.5	-88.0
210	1036.85	639.22	134.00	1	8000	39.5	-88.0	0.0	0.0	53.0	14.7	-2.1	0.0	0.0	27.1	0.0	1.0	-54.2	-88.0
211	1036.85	639.22	134.00	1	1000	54.6	-88.0	0.0	0.0	55.5	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-2.5	-88.0
212	1036.85	639.22	134.00	1	2000	53.8	-88.0	0.0	0.0	55.5	1.6	-2.1	0.0	0.0	2.1	0.0	1.0	-4.3	-88.0
213	1036.85	639.22	134.00	1	4000	47.6	-88.0	0.0	0.0	55.5	5.5	-2.1	0.0	0.0	2.1	0.0	1.0	-14.4	-88.0
214	1036.85	639.22	134.00	1	8000	39.5	-88.0	0.0	0.0	55.5	19.6	-2.1	0.0	0.0	2.1	0.0	1.0	-36.6	-88.0
215	1049.46	694.76	134.00	1	4000	42.8	-88.0	0.0	0.0	56.2	6.0	-2.1	0.0	0.0	27.1	0.0	1.0	-45.4	-88.0
216	1049.46	694.76	134.00	1	8000	34.7	-88.0	0.0	0.0	56.2	21.4	-2.1	0.0	0.0	27.1	0.0	1.0	-68.9	-88.0
217	1047.90	689.71	134.00	1	4000	50.9	-88.0	0.0	0.0	56.0	5.8	-2.1	0.0	0.0	27.1	0.0	1.0	-36.9	-88.0
218	1047.90	689.71	134.00	1	8000	42.8	-88.0	0.0	0.0	56.0	20.8	-2.1	0.0	0.0	27.1	0.0	1.0	-59.9	-88.0
219	1048.28	690.94	134.00	1	500	51.8	-88.0	0.0	0.0	52.3	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-2.0	-88.0
220	1048.28	690.94	134.00	1	1000	59.0	-88.0	0.0	0.0	52.3	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	5.3	-88.0
221	1048.28	690.94	134.00	1	2000	58.2	-88.0	0.0	0.0	52.3	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	3.8	-88.0
222	1048.28	690.94	134.00	1	4000	52.0	-88.0	0.0	0.0	52.3	3.8	-2.1	0.0	0.0	2.1	0.0	1.0	-5.1	-88.0
223	1048.28	690.94	134.00	1	8000	43.9	-88.0	0.0	0.0	52.3	13.6	-2.1	0.0	0.0	2.1	0.0	1.0	-23.0	-88.0
224	1062.72	699.35	134.00	1	125	30.7	-88.0	0.0	0.0	51.2	0.0	-1.2	0.0	0.0	1.2	0.0	1.0	-21.6	-88.0
225	1062.72	699.35	134.00	1	250	40.2	-88.0	0.0	0.0	51.2	0.1	0.0	0.0	0.0	0.0	0.0	1.0	-12.2	-88.0
226	1062.72	699.35	134.00	1	500	49.6	-88.0	0.0	0.0	51.2	0.2	0.2	0.0	0.0	0.0	0.0	1.0	-3.0	-88.0
227	1062.72	699.35	134.00	1	1000	56.8	-88.0	0.0	0.0	51.2	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	4.2	-88.0
228	1062.72	699.35	134.00	1	2000	56.0	-88.0	0.0	0.0	51.2	1.0	-2.1	0.0	0.0	2.1	0.0	1.0	2.8	-88.0
229	1062.72	699.35	134.00	1	4000	49.8	-88.0	0.0	0.0	51.2	3.4	-2.1	0.0	0.0	2.1	0.0	1.0	-5.8	-88.0
230	1062.72	699.35	134.00	1	8000	41.7	-88.0	0.0	0.0	51.2	12.0	-2.1	0.0	0.0	2.1	0.0	1.0	-22.5	-88.0
231	1068.25	695.35	134.00	1	250	33.3	-88.0	0.0	0.0	52.0	0.1	0.1	0.0	0.0	0.0	0.0	1.0	-20.0	-88.0
232	1068.25	695.35	134.00	1	500	42.7	-88.0	0.0	0.0	52.0	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-10.9	-88.0
233	1068.25	695.35	134.00	1	1000	49.9	-88.0	0.0	0.0	52.0	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	-3.6	-88.0
234	1068.25	695.35	134.00	1	2000	49.1	-88.0	0.0	0.0	52.0	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	-5.1	-88.0
235	1068.25	695.35	134.00	1	4000	42.9	-88.0	0.0	0.0	52.0	3.7	-2.1	0.0	0.0	2.1	0.0	1.0	-13.9	-88.0
236	1068.25	695.35	134.00	1	8000	34.8	-88.0	0.0	0.0	52.0	13.2	-2.1	0.0	0.0	2.1	0.0	1.0	-31.5	-88.0
237	1066.68	696.49	134.00	1	250	35.6	-88.0	0.0	0.0	52.0	0.1	0.1	0.0	0.0	0.0	0.0	1.0	-17.7	-88.0
238	1066.68	696.49	134.00	1	500	45.0	-88.0	0.0	0.0	52.0	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-8.5	-88.0
239	1066.68	696.49	134.00	1	1000	52.2	-88.0	0.0	0.0	52.0	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	-1.3	-88.0
240	1066.68	696.49	134.00	1	2000	51.4	-88.0	0.0	0.0	52.0	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	-2.7	-88.0
241	1066.68	696.49	134.00	1	4000	45.2	-88.0	0.0	0.0	52.0	3.7	-2.1	0.0	0.0	2.1	0.0	1.0	-11.5	-88.0
242	1066.68	696.49	134.00	1	8000	37.1	-88.0	0.0	0.0	52.0	13.1	-2.1	0.0	0.0	2.1	0.0	1.0	-29.1	-88.0
243	1068.10	690.99	134.00	1	500	50.1	-88.0	0.0	0.0	52.4	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-3.8	-88.0
244	1068.10	690.99	134.00	1	1000	57.3	-88.0	0.0	0.0	52.4	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	3.5	-88.0
245	1068.10	690.99	134.00	1	2000	56.5	-88.0	0.0	0.0	52.4	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	2.0	-88.0
246	1068.10	690.99	134.00	1	4000	50.3	-88.0	0.0	0.0	52.4	3.8	-2.1	0.0	0.0	2.1	0.0	1.0	-6.9	-88.0
247	1068.10	690.99	134.00	1	8000	42.2	-88.0	0.0	0.0	52.4	13.7	-2.1	0.0	0.0	2.1	0.0	1.0	-24.8	-88.0
248	1057.00	700.64	134.00	1	125	29.8	-88.0	0.0	0.0	51.3	0.0	-1.2	0.0	0.0	1.2	0.0	1.0	-22.5	-88.0
249	1057.00	700.64	134.00	1	250	39.3	-88.0	0.0	0.0	51.3	0.1	0.1	0.0	0.0	0.0	0.0	1.0	-13.1	-88.0
250	1057.00	700.64	134.00	1	500	48.7	-88.0	0.0	0.0	51.3	0.2	0.2	0.0	0.0	0.0	0.0	1.0	-4.0	-88.0
251	1057.00	700.64	134.00	1	1000	55.9	-88.0	0.0	0.0	51.3	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	3.2	-88.0
252	1057.00	700.64	134.00	1	2000	55.1	-88.0	0.0	0.0	51.3	1.0	-2.1	0.0	0.0	2.1	0.0	1.0	1.8	-88.0
253	1057.00	700.64	134.00	1	4000	48.9	-88.0	0.0	0.0	51.3	3.4	-2.1	0.0	0.0	2.1	0.0	1.0	-6.8	-88.0
254	1057.00	700.64	134.00	1	8000	40.8	-88.0	0.0	0.0	51.3	12.1	-2.1	0.0	0.0	2.1	0.0	1.0	-23.6	-88.0
255	1052.11	698.19	134.00	1	250	38.9	-88.0	0.0	0.0	51.6	0.1	0.1	0.0	0.0	0.0	0.0	1.0	-13.9	-88.0
256	1052.11	698.19	134.00	1	500	48.3	-88.0	0.0	0.0	51.6	0.2	0.2	0.0	0.0	0.0	0.0	1.0	-4.8	-88.0
257	1052.11	698.19	134.00	1	1000	55.5	-88.0	0.0	0.0	51.6	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	2.5	-88.0
258	1052.11	698.19	134.00	1	2000	54.7	-88.0	0.0	0.0	51.6	1.0	-2.1	0.0	0.0	2.1	0.0	1.0	1.0	-88.0
259	1052.11	698.19	134.00	1	4000	48.5	-88.0	0.0	0.0	51.6	3.5	-2.1	0.0	0.0	2.1	0.0	1.0	-7.7	-88.0
260	1052.11	698.19	134.00	1	8000	40.4	-88.0	0.0	0.0	51.6	12.6	-2.1	0.0	0.0	2.1	0.0	1.0	-24.8	-88.0

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWDRÖGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1029.54	629.72	134.00	0	63	5.7	-88.0	0.0	0.0	41.6	0.0	-3.0	0.0	0.0	7.8	0.0	-0.0	-40.7	-88.0
2	1029.54	629.72	134.00	0	125	29.8	-88.0	0.0	0.0	41.6	0.0	-1.6	0.0	0.0	6.4	0.0	-0.0	-16.6	-88.0
3	1029.54	629.72	134.00	0	250	39.3	-88.0	0.0	0.0	41.6	0.0	-0.9	0.0	0.0	5.6	0.0	-0.0	-7.1	-88.0
4	1029.54	629.72	134.00	0	500	48.7	-88.0	0.0	0.0	41.6	0.1	-0.8	0.0	0.0	5.5	0.0	-0.0	2.3	-88.0
5	1029.54	629.72	134.00	0	1000	55.9	-88.0	0.0	0.0	41.6	0.1	-1.8	0.0	0.0	6.4	0.0	-0.0	9.6	-88.0
6	1029.54	629.72	134.00	0	2000	55.1	-88.0	0.0	0.0	41.6	0.3	-2.1	0.0	0.0	6.5	0.0	-0.0	8.8	-88.0
7	1029.54	629.72	134.00	0	4000	48.9	-88.0	0.0	0.0	41.6	1.1	-2.1	0.0	0.0	6.1	0.0	-0.0	2.2	-88.0
8	1029.54	629.72	134.00	0	8000	40.8	-88.0	0.0	0.0	41.6	3.9	-2.1	0.0	0.0	5.2	0.0	-0.0	-7.8	-88.0
9	1028.40	624.88	134.00	0	63	4.4	-88.0	0.0	0.0	41.2	0.0	-3.0	0.0	0.0	0.0	0.0	-0.0	-33.8	-88.0

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWDRGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refi.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 (dB)	Dc (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahou5 (dB)	Abar (dB)	Cmet (dB)	RV (dB)	LrT dB(A)	LrN dB(A)
10	1028.40	624.88	134.00	0	125	28.5	-88.0	0.0	0.0	41.2	0.0	-1.7	0.0	0.0	0.0	0.0	-0.0	-11.1	-88.0
11	1028.40	624.88	134.00	0	250	38.0	-88.0	0.0	0.0	41.2	0.0	-0.9	0.0	0.0	0.0	0.0	-0.0	-2.3	-88.0
12	1028.40	624.88	134.00	0	500	47.4	-88.0	0.0	0.0	41.2	0.1	-0.9	0.0	0.0	0.0	0.0	-0.0	7.0	-88.0
13	1028.40	624.88	134.00	0	1000	54.6	-88.0	0.0	0.0	41.2	0.1	-1.8	0.0	0.0	0.0	0.0	-0.0	15.1	-88.0
14	1028.40	624.88	134.00	0	2000	53.8	-88.0	0.0	0.0	41.2	0.3	-2.1	0.0	0.0	0.0	0.0	-0.0	14.4	-88.0
15	1028.40	624.88	134.00	0	4000	47.6	-88.0	0.0	0.0	41.2	1.1	-2.1	0.0	0.0	0.0	0.0	-0.0	7.4	-88.0
16	1028.40	624.88	134.00	0	8000	39.5	-88.0	0.0	0.0	41.2	3.8	-2.1	0.0	0.0	0.0	0.0	-0.0	-3.4	-88.0
17	1043.60	664.83	134.00	0	63	11.3	-88.0	0.0	0.0	46.0	0.0	-3.0	0.0	0.0	6.0	0.0	-0.0	-37.8	-88.0
18	1043.60	664.83	134.00	0	125	35.4	-88.0	0.0	0.0	46.0	0.0	-1.5	0.0	0.0	1.7	0.0	-0.0	-10.9	-88.0
19	1043.60	664.83	134.00	0	250	44.9	-88.0	0.0	0.0	46.0	0.1	-0.4	0.0	0.0	0.4	0.0	-0.0	-1.2	-88.0
20	1043.60	664.83	134.00	0	500	54.3	-88.0	0.0	0.0	46.0	0.1	-0.3	0.0	0.0	0.3	0.0	-0.0	8.1	-88.0
21	1043.60	664.83	134.00	0	1000	61.5	-88.0	0.0	0.0	46.0	0.2	-1.7	0.0	0.0	1.7	0.0	-0.0	15.3	-88.0
22	1043.60	664.83	134.00	0	2000	60.7	-88.0	0.0	0.0	46.0	0.6	-2.1	0.0	0.0	2.1	0.0	-0.0	14.1	-88.0
23	1043.60	664.83	134.00	0	4000	54.5	-88.0	0.0	0.0	46.0	1.9	-2.1	0.0	0.0	2.1	0.0	-0.0	6.6	-88.0
24	1043.60	664.83	134.00	0	8000	46.4	-88.0	0.0	0.0	46.0	6.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-6.2	-88.0
25	1040.08	649.05	134.00	0	63	8.7	-88.0	0.0	0.0	43.6	0.0	-3.0	0.0	0.0	6.8	0.0	-0.0	-38.7	-88.0
26	1040.08	649.05	134.00	0	125	32.8	-88.0	0.0	0.0	43.6	0.0	-1.6	0.0	0.0	4.1	0.0	-0.0	-13.3	-88.0
27	1040.08	649.05	134.00	0	250	42.3	-88.0	0.0	0.0	43.6	0.0	-0.7	0.0	0.0	0.7	0.0	-0.0	-1.3	-88.0
28	1040.08	649.05	134.00	0	500	51.7	-88.0	0.0	0.0	43.6	0.1	-0.6	0.0	0.0	0.6	0.0	-0.0	8.1	-88.0
29	1040.08	649.05	134.00	0	1000	58.9	-88.0	0.0	0.0	43.6	0.2	-1.8	0.0	0.0	1.8	0.0	-0.0	15.2	-88.0
30	1040.08	649.05	134.00	0	2000	58.1	-88.0	0.0	0.0	43.6	0.4	-2.1	0.0	0.0	2.1	0.0	-0.0	14.1	-88.0
31	1040.08	649.05	134.00	0	4000	51.9	-88.0	0.0	0.0	43.6	1.4	-2.1	0.0	0.0	2.1	0.0	-0.0	6.9	-88.0
32	1040.08	649.05	134.00	0	8000	43.8	-88.0	0.0	0.0	43.6	5.0	-2.1	0.0	0.0	2.1	0.0	-0.0	-4.7	-88.0
33	1036.28	640.40	134.00	0	63	6.9	-88.0	0.0	0.0	42.3	0.0	-3.0	0.0	0.0	7.4	0.0	-0.0	-39.8	-88.0
34	1036.28	640.40	134.00	0	125	31.0	-88.0	0.0	0.0	42.3	0.0	-1.6	0.0	0.0	5.6	0.0	-0.0	-15.3	-88.0
35	1036.28	640.40	134.00	0	250	40.5	-88.0	0.0	0.0	42.3	0.0	-0.8	0.0	0.0	3.8	0.0	-0.0	-4.8	-88.0
36	1036.28	640.40	134.00	0	500	49.9	-88.0	0.0	0.0	42.3	0.1	-0.7	0.0	0.0	0.7	0.0	-0.0	7.5	-88.0
37	1036.28	640.40	134.00	0	1000	57.1	-88.0	0.0	0.0	42.3	0.1	-1.8	0.0	0.0	1.8	0.0	-0.0	14.6	-88.0
38	1036.28	640.40	134.00	0	2000	56.3	-88.0	0.0	0.0	42.3	0.4	-2.1	0.0	0.0	2.1	0.0	-0.0	13.6	-88.0
39	1036.28	640.40	134.00	0	4000	50.1	-88.0	0.0	0.0	42.3	1.2	-2.1	0.0	0.0	2.1	0.0	-0.0	6.5	-88.0
40	1036.28	640.40	134.00	0	8000	42.0	-88.0	0.0	0.0	42.3	4.3	-2.1	0.0	0.0	2.1	0.0	-0.0	-4.6	-88.0
41	1032.67	635.46	134.00	0	63	4.8	-88.0	0.0	0.0	41.9	0.0	-3.0	0.0	0.0	7.7	0.0	-0.0	-41.8	-88.0
42	1032.67	635.46	134.00	0	125	28.9	-88.0	0.0	0.0	41.9	0.0	-1.6	0.0	0.0	6.3	0.0	-0.0	-17.7	-88.0
43	1032.67	635.46	134.00	0	250	38.4	-88.0	0.0	0.0	41.9	0.0	-0.9	0.0	0.0	5.4	0.0	-0.0	-8.1	-88.0
44	1032.67	635.46	134.00	0	500	47.8	-88.0	0.0	0.0	41.9	0.1	-0.8	0.0	0.0	5.0	0.0	-0.0	1.6	-88.0
45	1032.67	635.46	134.00	0	1000	55.0	-88.0	0.0	0.0	41.9	0.1	-1.8	0.0	0.0	5.4	0.0	-0.0	9.3	-88.0
46	1032.67	635.46	134.00	0	2000	54.2	-88.0	0.0	0.0	41.9	0.3	-2.1	0.0	0.0	4.2	0.0	-0.0	9.8	-88.0
47	1032.67	635.46	134.00	0	4000	48.0	-88.0	0.0	0.0	41.9	1.2	-2.1	0.0	0.0	2.1	0.0	-0.0	4.9	-88.0
48	1032.67	635.46	134.00	0	8000	39.9	-88.0	0.0	0.0	41.9	4.1	-2.1	0.0	0.0	2.1	0.0	-0.0	-6.1	-88.0
49	1030.68	633.09	134.00	0	63	-0.1	-88.0	0.0	0.0	41.9	0.0	-3.0	0.0	0.0	7.8	0.0	-0.0	-46.8	-88.0
50	1030.68	633.09	134.00	0	125	24.0	-88.0	0.0	0.0	41.9	0.0	-1.6	0.0	0.0	6.4	0.0	-0.0	-22.7	-88.0
51	1030.68	633.09	134.00	0	250	33.5	-88.0	0.0	0.0	41.9	0.0	-0.9	0.0	0.0	5.6	0.0	-0.0	-13.2	-88.0
52	1030.68	633.09	134.00	0	500	42.9	-88.0	0.0	0.0	41.9	0.1	-0.8	0.0	0.0	5.5	0.0	-0.0	-3.8	-88.0
53	1030.68	633.09	134.00	0	1000	50.1	-88.0	0.0	0.0	41.9	0.1	-1.8	0.0	0.0	6.5	0.0	-0.0	3.4	-88.0
54	1030.68	633.09	134.00	0	2000	49.3	-88.0	0.0	0.0	41.9	0.3	-2.1	0.0	0.0	6.7	0.0	-0.0	2.4	-88.0
55	1030.68	633.09	134.00	0	4000	43.1	-88.0	0.0	0.0	41.9	1.2	-2.1	0.0	0.0	6.6	0.0	-0.0	-4.5	-88.0
56	1030.68	633.09	134.00	0	8000	35.0	-88.0	0.0	0.0	41.9	4.1	-2.1	0.0	0.0	6.3	0.0	-0.0	-15.2	-88.0
57	1046.64	681.57	134.00	0	63	9.3	-88.0	0.0	0.0	48.2	0.0	-3.0	0.0	0.0	5.5	0.0	-0.0	-41.4	-88.0
58	1046.64	681.57	134.00	0	125	33.4	-88.0	0.0	0.0	48.2	0.0	-1.4	0.0	0.0	1.4	0.0	-0.0	-14.8	-88.0
59	1046.64	681.57	134.00	0	250	42.9	-88.0	0.0	0.0	48.2	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	-5.4	-88.0
60	1046.64	681.57	134.00	0	500	52.3	-88.0	0.0	0.0	48.2	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	4.0	-88.0
61	1046.64	681.57	134.00	0	1000	59.5	-88.0	0.0	0.0	48.2	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	11.0	-88.0
62	1046.64	681.57	134.00	0	2000	58.7	-88.0	0.0	0.0	48.2	0.7	-2.1	0.0	0.0	2.1	0.0	-0.0	9.8	-88.0
63	1046.64	681.57	134.00	0	4000	52.5	-88.0	0.0	0.0	48.2	2.4	-2.1	0.0	0.0	2.1	0.0	-0.0	1.9	-88.0
64	1046.64	681.57	134.00	0	8000	44.4	-88.0	0.0	0.0	48.2	8.4	-2.1	0.0	0.0	2.1	0.0	-0.0	-12.2	-88.0
65	1047.78	691.83	134.00	0	63	6.9	-88.0	0.0	0.0	49.3	0.0	-3.0	0.0	0.0	5.3	0.0	-0.0	-44.7	-88.0
66	1047.78	691.83	134.00	0	125	31.0	-88.0	0.0	0.0	49.3	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-18.3	-88.0
67	1047.78	691.83	134.00	0	250	40.5	-88.0	0.0	0.0	49.3	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-8.9	-88.0
68	1047.78	691.83	134.00	0	500	49.9	-88.0	0.0	0.0	49.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.0	0.4	-88.0
69	1047.78	691.83	134.00	0	1000	57.1	-88.0	0.0	0.0	49.3	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	7.5	-88.0
70	1047.78	691.83	134.00	0	2000	56.3	-88.0	0.0	0.0	49.3	0.8	-2.1	0.0	0.0	2.1	0.0	-0.0	6.2	-88.0
71	1047.78	691.83	134.00	0	4000	50.1	-88.0	0.0	0.0	49.3	2.7	-2.1	0.0	0.0	2.1	0.0	-0.0	-1.9	-88.0
72	1047.78	691.83	134.00	0	8000	42.0	-88.0	0.0	0.0	49.3	9.6	-2.1	0.0	0.0	2.1	0.0	-0.0	-16.9	-88.0
73	1047.02	698.77	134.00	0	63	6.2	-88.0	0.0	0.0	50.0	0.0	-3.0	0.0	0.0	5.2	0.0	-0.0	-46.1	-88.0
74	1047.02	698.77	134.00	0	125	30.3	-88.0	0.0	0.0	50.0	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-19.8	-88.0
75	1047.02	698.77	134.00	0	250	39.8	-88.0	0.0	0.0	50.0	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-10.4	-88.0
76	1047.02	698.77	134.00	0	500	49.2	-88.0	0.0	0.0	50.0	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	-1.1	-88.0
77	1047.02	698.77	134.00	0	1000	56.4	-88.0	0.0	0.0	50.0	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	6.0	-88.0

Auszug Berechnungsprotokoll

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWDROGMARKT"

Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
78	1047.02	698.77	134.00	0	2000	55.6	-88.0	0.0	0.0	50.0	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	4.7	-88.0
79	1047.02	698.77	134.00	0	4000	49.4	-88.0	0.0	0.0	50.0	2.9	-2.1	0.0	0.0	2.1	0.0	-0.0	-3.6	-88.0
80	1047.02	698.77	134.00	0	8000	41.3	-88.0	0.0	0.0	50.0	10.4	-2.1	0.0	0.0	2.1	0.0	-0.0	-19.2	-88.0
81	1029.05	627.66	134.00	1	1000	58.3	-88.0	0.0	0.0	56.2	0.7	-1.5	0.0	0.0	1.5	0.0	1.0	0.4	-88.0
82	1029.05	627.66	134.00	1	2000	57.5	-88.0	0.0	0.0	56.2	1.8	-2.1	0.0	0.0	2.1	0.0	1.0	-1.5	-88.0
83	1029.05	627.66	134.00	1	4000	51.3	-88.0	0.0	0.0	56.2	6.0	-2.1	0.0	0.0	2.1	0.0	1.0	-11.9	-88.0
84	1029.05	627.66	134.00	1	8000	43.2	-88.0	0.0	0.0	56.2	21.2	-2.1	0.0	0.0	2.1	0.0	1.0	-35.3	-88.0
85	1043.60	664.83	134.00	1	500	54.3	-88.0	0.0	0.0	52.1	0.2	0.3	0.0	0.0	19.3	0.0	1.0	-18.6	-88.0
86	1043.60	664.83	134.00	1	1000	61.5	-88.0	0.0	0.0	52.1	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-15.7	-88.0
87	1043.60	664.83	134.00	1	2000	60.7	-88.0	0.0	0.0	52.1	1.1	-2.1	0.0	0.0	27.1	0.0	1.0	-18.5	-88.0
88	1043.60	664.83	134.00	1	4000	54.5	-88.0	0.0	0.0	52.1	3.7	-2.1	0.0	0.0	27.1	0.0	1.0	-27.3	-88.0
89	1043.60	664.83	134.00	1	8000	46.4	-88.0	0.0	0.0	52.1	13.2	-2.1	0.0	0.0	27.1	0.0	1.0	-44.9	-88.0
90	1044.69	671.03	134.00	1	4000	50.5	-88.0	0.0	0.0	55.0	5.2	-2.1	0.0	0.0	27.1	0.0	1.0	-35.8	-88.0
91	1044.69	671.03	134.00	1	8000	42.4	-88.0	0.0	0.0	55.0	18.5	-2.1	0.0	0.0	27.1	0.0	1.0	-57.2	-88.0
92	1043.47	664.09	134.00	1	4000	48.9	-88.0	0.0	0.0	54.6	5.0	-2.1	0.0	0.0	27.1	0.0	1.0	-36.7	-88.0
93	1043.47	664.09	134.00	1	8000	40.8	-88.0	0.0	0.0	54.6	17.7	-2.1	0.0	0.0	27.1	0.0	1.0	-57.5	-88.0
94	1042.83	660.49	134.00	1	4000	43.0	-88.0	0.0	0.0	54.4	4.8	-2.1	0.0	0.0	27.1	0.0	1.0	-42.3	-88.0
95	1042.83	660.49	134.00	1	8000	34.9	-88.0	0.0	0.0	54.4	17.3	-2.1	0.0	0.0	27.1	0.0	1.0	-62.8	-88.0
96	1042.25	657.16	134.00	1	4000	48.5	-88.0	0.0	0.0	54.2	4.7	-2.1	0.0	0.0	27.1	0.0	1.0	-36.4	-88.0
97	1042.25	657.16	134.00	1	8000	40.4	-88.0	0.0	0.0	54.2	16.9	-2.1	0.0	0.0	27.1	0.0	1.0	-56.7	-88.0
98	1043.60	664.83	134.00	1	1000	61.5	-88.0	0.0	0.0	54.0	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	5.9	-88.0
99	1043.60	664.83	134.00	1	2000	60.7	-88.0	0.0	0.0	54.0	1.4	-2.1	0.0	0.0	2.1	0.0	1.0	4.3	-88.0
100	1043.60	664.83	134.00	1	4000	54.5	-88.0	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	2.1	0.0	1.0	-5.2	-88.0
101	1043.60	664.83	134.00	1	8000	46.4	-88.0	0.0	0.0	54.0	16.6	-2.1	0.0	0.0	2.1	0.0	1.0	-25.2	-88.0
102	1041.78	654.54	134.00	1	500	28.5	-88.0	0.0	0.0	51.2	0.2	0.2	0.0	0.0	19.4	0.0	1.0	-43.5	-88.0
103	1041.78	654.54	134.00	1	1000	35.7	-88.0	0.0	0.0	51.2	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-40.5	-88.0
104	1041.78	654.54	134.00	1	2000	34.9	-88.0	0.0	0.0	51.2	1.0	-2.1	0.0	0.0	27.1	0.0	1.0	-43.3	-88.0
105	1041.78	654.54	134.00	1	4000	28.7	-88.0	0.0	0.0	51.2	3.4	-2.1	0.0	0.0	27.1	0.0	1.0	-51.9	-88.0
106	1041.78	654.54	134.00	1	8000	20.6	-88.0	0.0	0.0	51.2	12.0	-2.1	0.0	0.0	27.1	0.0	1.0	-68.6	-88.0
107	1041.73	654.38	134.00	1	500	35.6	-88.0	0.0	0.0	51.2	0.2	0.2	0.0	0.0	19.4	0.0	1.0	-36.4	-88.0
108	1041.73	654.38	134.00	1	1000	42.8	-88.0	0.0	0.0	51.2	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-33.4	-88.0
109	1041.73	654.38	134.00	1	2000	42.0	-88.0	0.0	0.0	51.2	1.0	-2.1	0.0	0.0	27.1	0.0	1.0	-36.2	-88.0
110	1041.73	654.38	134.00	1	4000	35.8	-88.0	0.0	0.0	51.2	3.4	-2.1	0.0	0.0	27.1	0.0	1.0	-44.8	-88.0
111	1041.73	654.38	134.00	1	8000	27.7	-88.0	0.0	0.0	51.2	12.0	-2.1	0.0	0.0	27.1	0.0	1.0	-61.5	-88.0
112	1041.67	654.19	134.00	1	500	31.3	-88.0	0.0	0.0	51.2	0.2	0.2	0.0	0.0	19.4	0.0	1.0	-40.7	-88.0
113	1041.67	654.19	134.00	1	1000	38.5	-88.0	0.0	0.0	51.2	0.4	-1.6	0.0	0.0	25.2	0.0	1.0	-37.7	-88.0
114	1041.67	654.19	134.00	1	2000	37.7	-88.0	0.0	0.0	51.2	1.0	-2.1	0.0	0.0	27.1	0.0	1.0	-40.5	-88.0
115	1041.67	654.19	134.00	1	4000	31.5	-88.0	0.0	0.0	51.2	3.3	-2.1	0.0	0.0	27.1	0.0	1.0	-49.0	-88.0
116	1041.67	654.19	134.00	1	8000	23.4	-88.0	0.0	0.0	51.2	11.9	-2.1	0.0	0.0	27.1	0.0	1.0	-65.7	-88.0
117	1041.77	654.49	134.00	1	4000	33.6	-88.0	0.0	0.0	54.0	4.6	-2.1	0.0	0.0	27.1	0.0	1.0	-51.1	-88.0
118	1041.77	654.49	134.00	1	8000	25.5	-88.0	0.0	0.0	54.0	16.6	-2.1	0.0	0.0	27.1	0.0	1.0	-71.1	-88.0
119	1040.05	648.97	134.00	1	4000	51.8	-88.0	0.0	0.0	53.7	4.5	-2.1	0.0	0.0	27.1	0.0	1.0	-32.3	-88.0
120	1040.05	648.97	134.00	1	8000	43.7	-88.0	0.0	0.0	53.7	15.9	-2.1	0.0	0.0	27.1	0.0	1.0	-51.9	-88.0
121	1040.08	649.05	134.00	1	1000	58.9	-88.0	0.0	0.0	55.0	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	2.3	-88.0
122	1040.08	649.05	134.00	1	2000	58.1	-88.0	0.0	0.0	55.0	1.5	-2.1	0.0	0.0	2.1	0.0	1.0	0.6	-88.0
123	1040.08	649.05	134.00	1	4000	51.9	-88.0	0.0	0.0	55.0	5.2	-2.1	0.0	0.0	2.1	0.0	1.0	-9.2	-88.0
124	1040.08	649.05	134.00	1	8000	43.8	-88.0	0.0	0.0	55.0	18.4	-2.1	0.0	0.0	2.1	0.0	1.0	-30.6	-88.0
125	1036.28	640.40	134.00	1	4000	50.1	-88.0	0.0	0.0	53.1	4.2	-2.1	0.0	0.0	27.1	0.0	1.0	-33.2	-88.0
126	1036.28	640.40	134.00	1	8000	42.0	-88.0	0.0	0.0	53.1	14.9	-2.1	0.0	0.0	27.1	0.0	1.0	-52.0	-88.0
127	1036.28	640.40	134.00	1	1000	57.1	-88.0	0.0	0.0	55.5	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-0.0	-88.0
128	1036.28	640.40	134.00	1	2000	56.3	-88.0	0.0	0.0	55.5	1.6	-2.1	0.0	0.0	2.1	0.0	1.0	-1.8	-88.0
129	1036.28	640.40	134.00	1	4000	50.1	-88.0	0.0	0.0	55.5	5.5	-2.1	0.0	0.0	2.1	0.0	1.0	-11.9	-88.0
130	1036.28	640.40	134.00	1	8000	42.0	-88.0	0.0	0.0	55.5	19.5	-2.1	0.0	0.0	2.1	0.0	1.0	-34.1	-88.0
131	1033.54	636.49	134.00	1	2000	50.5	-88.0	0.0	0.0	52.8	1.2	-2.1	0.0	0.0	27.1	0.0	1.0	-29.5	-88.0
132	1033.54	636.49	134.00	1	4000	44.3	-88.0	0.0	0.0	52.8	4.0	-2.1	0.0	0.0	27.1	0.0	1.0	-38.5	-88.0
133	1033.54	636.49	134.00	1	8000	36.2	-88.0	0.0	0.0	52.8	14.4	-2.1	0.0	0.0	27.1	0.0	1.0	-56.9	-88.0
134	1032.19	634.89	134.00	1	1000	56.2	-88.0	0.0	0.0	55.8	0.6	-1.5	0.0	0.0	1.5	0.0	1.0	-1.2	-88.0
135	1032.19	634.89	134.00	1	2000	55.4	-88.0	0.0	0.0	55.8	1.7	-2.1	0.0	0.0	2.1	0.0	1.0	-3.1	-88.0
136	1032.19	634.89	134.00	1	4000	49.2	-88.0	0.0	0.0	55.8	5.7	-2.1	0.0	0.0	2.1	0.0	1.0	-13.3	-88.0
137	1032.19	634.89	134.00	1	8000	41.1	-88.0	0.0	0.0	55.8	20.3	-2.1	0.0	0.0	2.1	0.0	1.0	-36.0	-88.0
138	1046.64	681.57	134.00	1	4000	52.5	-88.0	0.0	0.0	55.6	5.5	-2.1	0.0	0.0	27.1	0.0	1.0	-34.7	-88.0
139	1046.64	681.57	134.00	1	8000	44.4	-88.0	0.0	0.0	55.6	19.8	-2.1	0.0	0.0	27.1	0.0	1.0	-57.0	-88.0
140	1046.64	681.57	134.00	1	500	52.3	-88.0	0.0	0.0	52.9	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-2.3	-88.0
141	1046.64	681.57	134.00	1	1000	59.5	-88.0	0.0	0.0	52.9	0.5	-1.5	0.0	0.0	1.5	0.0	1.0	5.0	-88.0
142	1046.64	681.57	134.00	1	2000	58.7	-88.0	0.0	0.0	52.9	1.2	-2.1	0.0	0.0	2.1	0.0	1.0	3.5	-88.0
143	1046.64	681.57	134.00	1	4000	52.5	-88.0	0.0	0.0	52.9	4.1	-2.1	0.0	0.0	2.1	0.0	1.0	-5.6	-88.0
144	1046.64	681.57	134.00	1	8000	44.4	-88.0	0.0	0.0	52.9	14.								

Linienquelle nach ISO 9613, Bez: "Lkw Abfahrt", ID: "LKWDRGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 dB	Dc dB	Adiv dB	Aatm dB	Agr dB	Afol dB	Ahous dB	Abar dB	Cmet dB	RV dB	LrT dB(A)	LrN dB(A)
146	1047.70	694.98	134.00	1	8000	34.3	-88.0	0.0	0.0	56.2	21.4	-2.1	0.0	0.0	27.1	0.0	1.0	-69.3	-88.0
147	1047.80	691.18	134.00	1	4000	49.3	-88.0	0.0	0.0	56.0	5.9	-2.1	0.0	0.0	27.1	0.0	1.0	-38.7	-88.0
148	1047.80	691.18	134.00	1	8000	41.2	-88.0	0.0	0.0	56.0	20.9	-2.1	0.0	0.0	27.1	0.0	1.0	-61.8	-88.0
149	1047.73	693.79	134.00	1	500	46.8	-88.0	0.0	0.0	52.1	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-6.9	-88.0
150	1047.73	693.79	134.00	1	1000	54.0	-88.0	0.0	0.0	52.1	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	0.4	-88.0
151	1047.73	693.79	134.00	1	2000	53.2	-88.0	0.0	0.0	52.1	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	-1.1	-88.0
152	1047.73	693.79	134.00	1	4000	47.0	-88.0	0.0	0.0	52.1	3.7	-2.1	0.0	0.0	2.1	0.0	1.0	-9.9	-88.0
153	1047.73	693.79	134.00	1	8000	38.9	-88.0	0.0	0.0	52.1	13.3	-2.1	0.0	0.0	2.1	0.0	1.0	-27.6	-88.0
154	1047.83	689.99	134.00	1	500	47.0	-88.0	0.0	0.0	52.4	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-6.9	-88.0
155	1047.83	689.99	134.00	1	1000	54.2	-88.0	0.0	0.0	52.4	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	0.4	-88.0
156	1047.83	689.99	134.00	1	2000	53.4	-88.0	0.0	0.0	52.4	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	-1.1	-88.0
157	1047.83	689.99	134.00	1	4000	47.2	-88.0	0.0	0.0	52.4	3.8	-2.1	0.0	0.0	2.1	0.0	1.0	-10.0	-88.0
158	1047.83	689.99	134.00	1	8000	39.1	-88.0	0.0	0.0	52.4	13.7	-2.1	0.0	0.0	2.1	0.0	1.0	-27.9	-88.0
159	1046.99	698.91	134.00	1	4000	49.2	-88.0	0.0	0.0	56.4	6.1	-2.1	0.0	0.0	27.1	0.0	1.0	-39.4	-88.0
160	1046.99	698.91	134.00	1	8000	41.1	-88.0	0.0	0.0	56.4	21.8	-2.1	0.0	0.0	27.1	0.0	1.0	-63.2	-88.0
161	1047.66	695.77	134.00	1	4000	35.6	-88.0	0.0	0.0	56.3	6.0	-2.1	0.0	0.0	27.1	0.0	1.0	-52.7	-88.0
162	1047.66	695.77	134.00	1	8000	27.5	-88.0	0.0	0.0	56.3	21.4	-2.1	0.0	0.0	27.1	0.0	1.0	-76.3	-88.0
163	1047.26	697.66	134.00	1	250	37.8	-88.0	0.0	0.0	51.9	0.1	0.1	0.0	0.0	0.0	0.0	1.0	-15.2	-88.0
164	1047.26	697.66	134.00	1	500	47.2	-88.0	0.0	0.0	51.9	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-6.1	-88.0
165	1047.26	697.66	134.00	1	1000	54.4	-88.0	0.0	0.0	51.9	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	1.2	-88.0
166	1047.26	697.66	134.00	1	2000	53.6	-88.0	0.0	0.0	51.9	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	-0.3	-88.0
167	1047.26	697.66	134.00	1	4000	47.4	-88.0	0.0	0.0	51.9	3.6	-2.1	0.0	0.0	2.1	0.0	1.0	-9.1	-88.0
168	1047.26	697.66	134.00	1	8000	39.3	-88.0	0.0	0.0	51.9	12.9	-2.1	0.0	0.0	2.1	0.0	1.0	-26.4	-88.0

Linienquelle nach ISO 9613, Bez: "Lkw Rangierfahrt", ID: "LKWDRGMARKT"

Nr.	X (m)	Y (m)	Z (m)	Refl.	Freq. (Hz)	LxT dB(A)	LxN dB(A)	K0 dB	Dc dB	Adiv dB	Aatm dB	Agr dB	Afol dB	Ahous dB	Abar dB	Cmet dB	RV dB	LrT dB(A)	LrN dB(A)
1	1046.83	688.51	134.00	0	63	14.8	-88.0	0.0	0.0	49.0	0.0	-3.0	0.0	0.0	5.4	0.0	-0.0	-36.6	-88.0
2	1046.83	688.51	134.00	0	125	33.5	-88.0	0.0	0.0	49.0	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-15.5	-88.0
3	1046.83	688.51	134.00	0	250	44.0	-88.0	0.0	0.0	49.0	0.1	-0.2	0.0	0.0	0.2	0.0	-0.0	-5.1	-88.0
4	1046.83	688.51	134.00	0	500	54.4	-88.0	0.0	0.0	49.0	0.2	0.0	0.0	0.0	0.0	0.0	-0.0	5.3	-88.0
5	1046.83	688.51	134.00	0	1000	60.6	-88.0	0.0	0.0	49.0	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	11.3	-88.0
6	1046.83	688.51	134.00	0	2000	60.8	-88.0	0.0	0.0	49.0	0.8	-2.1	0.0	0.0	2.1	0.0	-0.0	11.1	-88.0
7	1046.83	688.51	134.00	0	4000	52.6	-88.0	0.0	0.0	49.0	2.6	-2.1	0.0	0.0	2.1	0.0	-0.0	1.0	-88.0
8	1046.83	688.51	134.00	0	8000	46.5	-88.0	0.0	0.0	49.0	9.2	-2.1	0.0	0.0	2.1	0.0	-0.0	-11.7	-88.0
9	1047.87	698.11	134.00	0	63	14.0	-88.0	0.0	0.0	49.9	0.0	-3.0	0.0	0.0	5.2	0.0	-0.0	-38.1	-88.0
10	1047.87	698.11	134.00	0	125	32.7	-88.0	0.0	0.0	49.9	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-17.3	-88.0
11	1047.87	698.11	134.00	0	250	43.2	-88.0	0.0	0.0	49.9	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-6.8	-88.0
12	1047.87	698.11	134.00	0	500	53.6	-88.0	0.0	0.0	49.9	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	3.4	-88.0
13	1047.87	698.11	134.00	0	1000	59.8	-88.0	0.0	0.0	49.9	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	9.5	-88.0
14	1047.87	698.11	134.00	0	2000	60.0	-88.0	0.0	0.0	49.9	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	9.2	-88.0
15	1047.87	698.11	134.00	0	4000	51.8	-88.0	0.0	0.0	49.9	2.9	-2.1	0.0	0.0	2.1	0.0	-0.0	-1.0	-88.0
16	1047.87	698.11	134.00	0	8000	45.7	-88.0	0.0	0.0	49.9	10.3	-2.1	0.0	0.0	2.1	0.0	-0.0	-14.6	-88.0
17	1047.40	693.54	134.00	0	63	13.4	-88.0	0.0	0.0	49.5	0.0	-3.0	0.0	0.0	5.3	0.0	-0.0	-38.4	-88.0
18	1047.40	693.54	134.00	0	125	32.1	-88.0	0.0	0.0	49.5	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-17.4	-88.0
19	1047.40	693.54	134.00	0	250	42.6	-88.0	0.0	0.0	49.5	0.1	-0.1	0.0	0.0	0.1	0.0	-0.0	-7.0	-88.0
20	1047.40	693.54	134.00	0	500	53.0	-88.0	0.0	0.0	49.5	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	3.3	-88.0
21	1047.40	693.54	134.00	0	1000	59.2	-88.0	0.0	0.0	49.5	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	9.4	-88.0
22	1047.40	693.54	134.00	0	2000	59.4	-88.0	0.0	0.0	49.5	0.8	-2.1	0.0	0.0	2.1	0.0	-0.0	9.1	-88.0
23	1047.40	693.54	134.00	0	4000	51.2	-88.0	0.0	0.0	49.5	2.8	-2.1	0.0	0.0	2.1	0.0	-0.0	-1.1	-88.0
24	1047.40	693.54	134.00	0	8000	45.1	-88.0	0.0	0.0	49.5	9.8	-2.1	0.0	0.0	2.1	0.0	-0.0	-14.2	-88.0
25	1047.49	703.05	134.00	0	63	14.1	-88.0	0.0	0.0	50.4	0.0	-3.0	0.0	0.0	5.1	0.0	-0.0	-38.5	-88.0
26	1047.49	703.05	134.00	0	125	32.8	-88.0	0.0	0.0	50.4	0.0	-1.3	0.0	0.0	1.3	0.0	-0.0	-17.7	-88.0
27	1047.49	703.05	134.00	0	250	43.3	-88.0	0.0	0.0	50.4	0.1	-0.0	0.0	0.0	0.0	0.0	-0.0	-7.3	-88.0
28	1047.49	703.05	134.00	0	500	53.7	-88.0	0.0	0.0	50.4	0.2	0.1	0.0	0.0	0.0	0.0	-0.0	2.9	-88.0
29	1047.49	703.05	134.00	0	1000	59.9	-88.0	0.0	0.0	50.4	0.3	-1.6	0.0	0.0	1.6	0.0	-0.0	9.1	-88.0
30	1047.49	703.05	134.00	0	2000	60.1	-88.0	0.0	0.0	50.4	0.9	-2.1	0.0	0.0	2.1	0.0	-0.0	8.7	-88.0
31	1047.49	703.05	134.00	0	4000	51.9	-88.0	0.0	0.0	50.4	3.1	-2.1	0.0	0.0	2.1	0.0	-0.0	-1.6	-88.0
32	1047.49	703.05	134.00	0	8000	45.8	-88.0	0.0	0.0	50.4	10.9	-2.1	0.0	0.0	2.1	0.0	-0.0	-15.6	-88.0
33	1046.77	686.80	134.00	1	4000	48.8	-88.0	0.0	0.0	55.8	5.7	-2.1	0.0	0.0	27.1	0.0	1.0	-38.8	-88.0
34	1046.77	686.80	134.00	1	8000	42.7	-88.0	0.0	0.0	55.8	20.4	-2.1	0.0	0.0	27.1	0.0	1.0	-59.5	-88.0
35	1046.86	689.41	134.00	1	4000	49.2	-88.0	0.0	0.0	56.0	5.8	-2.1	0.0	0.0	27.1	0.0	1.0	-38.5	-88.0
36	1046.86	689.41	134.00	1	8000	43.1	-88.0	0.0	0.0	56.0	20.7	-2.1	0.0	0.0	27.1	0.0	1.0	-59.5	-88.0
37	1046.91	691.12	134.00	1	4000	43.1	-88.0	0.0	0.0	56.0	5.9	-2.1	0.0	0.0	27.1	0.0	1.0	-44.8	-88.0
38	1046.91	691.12	134.00	1	8000	37.0	-88.0	0.0	0.0	56.0	20.9	-2.1	0.0	0.0	27.1	0.0	1.0	-65.9	-88.0
39	1046.81	687.80	134.00	1	500	53.2	-88.0	0.0	0.0	52.5	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-0.9	-88.0
40	1046.81	687.80	134.00	1	1000	59.4	-88.0	0.0	0.0	52.5	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	5.4	-88.0
41	1046.81	687.80	134.00	1	2000	59.6	-88.0	0.0	0.0	52.5	1.2	-2.1	0.0	0.0	2.1	0.0	1.0	4.9	-88.0

Linienquelle nach ISO 9613, Bez: "Lkw Rangierfahrt", ID: "LKWDROGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
42	1046.81	687.80	134.00	1	4000	51.4	-88.0	0.0	0.0	52.5	3.9	-2.1	0.0	0.0	2.1	0.0	1.0	-6.1	-88.0
43	1046.81	687.80	134.00	1	8000	45.3	-88.0	0.0	0.0	52.5	14.0	-2.1	0.0	0.0	2.1	0.0	1.0	-22.2	-88.0
44	1046.90	690.75	134.00	1	500	48.2	-88.0	0.0	0.0	52.3	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-5.7	-88.0
45	1046.90	690.75	134.00	1	1000	54.4	-88.0	0.0	0.0	52.3	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	0.6	-88.0
46	1046.90	690.75	134.00	1	2000	54.6	-88.0	0.0	0.0	52.3	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	0.1	-88.0
47	1046.90	690.75	134.00	1	4000	46.4	-88.0	0.0	0.0	52.3	3.8	-2.1	0.0	0.0	2.1	0.0	1.0	-10.8	-88.0
48	1046.90	690.75	134.00	1	8000	40.3	-88.0	0.0	0.0	52.3	13.6	-2.1	0.0	0.0	2.1	0.0	1.0	-26.8	-88.0
49	1047.87	696.63	134.00	1	4000	47.9	-88.0	0.0	0.0	56.3	6.0	-2.1	0.0	0.0	27.1	0.0	1.0	-40.5	-88.0
50	1047.87	696.63	134.00	1	8000	41.8	-88.0	0.0	0.0	56.3	21.6	-2.1	0.0	0.0	27.1	0.0	1.0	-62.1	-88.0
51	1047.87	699.11	134.00	1	4000	49.6	-88.0	0.0	0.0	56.4	6.1	-2.1	0.0	0.0	27.1	0.0	1.0	-39.0	-88.0
52	1047.87	699.11	134.00	1	8000	43.5	-88.0	0.0	0.0	56.4	21.8	-2.1	0.0	0.0	27.1	0.0	1.0	-60.8	-88.0
53	1047.87	698.11	134.00	1	250	43.2	-88.0	0.0	0.0	51.8	0.1	0.1	0.0	0.0	0.0	0.0	1.0	-9.8	-88.0
54	1047.87	698.11	134.00	1	500	53.6	-88.0	0.0	0.0	51.8	0.2	0.3	0.0	0.0	0.0	0.0	1.0	0.3	-88.0
55	1047.87	698.11	134.00	1	1000	59.8	-88.0	0.0	0.0	51.8	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	6.6	-88.0
56	1047.87	698.11	134.00	1	2000	60.0	-88.0	0.0	0.0	51.8	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	6.1	-88.0
57	1047.87	698.11	134.00	1	4000	51.8	-88.0	0.0	0.0	51.8	3.6	-2.1	0.0	0.0	2.1	0.0	1.0	-4.6	-88.0
58	1047.87	698.11	134.00	1	8000	45.7	-88.0	0.0	0.0	51.8	12.8	-2.1	0.0	0.0	2.1	0.0	1.0	-19.9	-88.0
59	1047.02	691.88	134.00	1	4000	44.3	-88.0	0.0	0.0	56.1	5.9	-2.1	0.0	0.0	27.1	0.0	1.0	-43.6	-88.0
60	1047.02	691.88	134.00	1	8000	38.2	-88.0	0.0	0.0	56.1	21.0	-2.1	0.0	0.0	27.1	0.0	1.0	-64.8	-88.0
61	1047.50	693.98	134.00	1	4000	50.2	-88.0	0.0	0.0	56.2	6.0	-2.1	0.0	0.0	27.1	0.0	1.0	-38.0	-88.0
62	1047.50	693.98	134.00	1	8000	44.1	-88.0	0.0	0.0	56.2	21.2	-2.1	0.0	0.0	27.1	0.0	1.0	-59.3	-88.0
63	1047.40	693.54	134.00	1	500	53.0	-88.0	0.0	0.0	52.1	0.2	0.3	0.0	0.0	0.0	0.0	1.0	-0.7	-88.0
64	1047.40	693.54	134.00	1	1000	59.2	-88.0	0.0	0.0	52.1	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	5.6	-88.0
65	1047.40	693.54	134.00	1	2000	59.4	-88.0	0.0	0.0	52.1	1.1	-2.1	0.0	0.0	2.1	0.0	1.0	5.1	-88.0
66	1047.40	693.54	134.00	1	4000	51.2	-88.0	0.0	0.0	52.1	3.7	-2.1	0.0	0.0	2.1	0.0	1.0	-5.7	-88.0
67	1047.40	693.54	134.00	1	8000	45.1	-88.0	0.0	0.0	52.1	13.3	-2.1	0.0	0.0	2.1	0.0	1.0	-21.4	-88.0
68	1047.49	703.05	134.00	1	4000	51.9	-88.0	0.0	0.0	56.6	6.3	-2.1	0.0	0.0	27.1	0.0	1.0	-37.0	-88.0
69	1047.49	703.05	134.00	1	8000	45.8	-88.0	0.0	0.0	56.6	22.3	-2.1	0.0	0.0	27.1	0.0	1.0	-59.1	-88.0
70	1047.81	701.01	134.00	1	250	35.7	-88.0	0.0	0.0	51.6	0.1	0.1	0.0	0.0	0.0	0.0	1.0	-17.1	-88.0
71	1047.81	701.01	134.00	1	500	46.1	-88.0	0.0	0.0	51.6	0.2	0.2	0.0	0.0	0.0	0.0	1.0	-7.0	-88.0
72	1047.81	701.01	134.00	1	1000	52.3	-88.0	0.0	0.0	51.6	0.4	-1.6	0.0	0.0	1.6	0.0	1.0	-0.8	-88.0
73	1047.81	701.01	134.00	1	2000	52.5	-88.0	0.0	0.0	51.6	1.0	-2.1	0.0	0.0	2.1	0.0	1.0	-1.2	-88.0
74	1047.81	701.01	134.00	1	4000	44.3	-88.0	0.0	0.0	51.6	3.5	-2.1	0.0	0.0	2.1	0.0	1.0	-11.9	-88.0
75	1047.81	701.01	134.00	1	8000	38.2	-88.0	0.0	0.0	51.6	12.5	-2.1	0.0	0.0	2.1	0.0	1.0	-27.0	-88.0

Linienquelle nach ISO 9613, Bez: "Rollgeräusche Wagenboden", ID: "LAEDROGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1049.83	713.92	134.25	0	500	74.8	-88.0	3.0	0.0	51.3	0.2	3.4	0.0	0.0	0.0	0.0	-0.0	22.9	-88.0
2	1048.99	709.71	134.25	0	500	72.6	-88.0	3.0	0.0	51.0	0.2	3.3	0.0	0.0	0.0	0.0	-0.0	21.1	-88.0

Parkplatz nach ISO 9613, Bez: "Kunden", ID: "LEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
1	1060.11	648.99	133.50	0	500	77.6	66.3	3.0	0.0	42.9	0.1	0.8	0.0	0.0	0.0	0.0	-0.0	36.8	25.6
2	1064.27	644.06	133.50	0	500	77.6	66.3	3.0	0.0	41.9	0.1	0.1	0.0	0.0	0.0	0.0	-0.0	38.4	27.2
3	1064.04	654.97	133.50	0	500	80.6	69.3	3.0	0.0	44.2	0.1	1.5	0.0	0.0	0.0	0.0	-0.0	37.8	26.5
4	1054.10	645.49	133.50	0	500	77.6	66.3	3.0	0.0	42.1	0.1	0.3	0.0	0.0	0.0	0.0	-0.0	38.1	26.9
5	1058.26	640.55	133.50	0	500	77.6	66.3	3.0	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	39.7	28.4
6	1049.01	646.20	133.50	0	500	77.6	66.3	3.0	0.0	42.4	0.1	0.5	0.0	0.0	0.0	0.0	-0.0	37.6	26.3
7	1043.00	642.69	133.50	0	500	77.6	66.3	3.0	0.0	42.0	0.1	0.2	0.0	0.0	0.0	0.0	-0.0	38.2	27.0
8	1075.37	646.86	133.50	0	500	77.6	66.3	3.0	0.0	43.4	0.1	1.1	0.0	0.0	0.0	0.0	-0.0	36.0	24.8
9	1069.35	643.35	133.50	0	500	77.6	66.3	3.0	0.0	42.1	0.1	0.3	0.0	0.0	0.0	0.0	-0.0	38.1	26.8
10	1074.21	653.55	133.50	0	500	80.6	69.3	3.0	0.0	44.5	0.1	1.6	0.0	0.0	0.0	0.0	-0.0	37.4	26.2
11	1079.53	641.92	133.50	0	500	77.6	66.3	3.0	0.0	42.9	0.1	0.8	0.0	0.0	0.0	0.0	-0.0	36.7	25.5
12	1073.52	638.41	133.50	0	500	77.6	66.3	3.0	0.0	41.5	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	39.0	27.8
13	1086.69	638.74	133.50	0	500	80.6	69.3	3.0	0.0	43.4	0.1	1.1	0.0	0.0	0.0	0.0	-0.0	39.0	27.7
14	1049.70	661.33	133.50	0	500	80.6	69.3	3.0	0.0	45.3	0.1	2.0	0.0	0.0	0.0	0.0	-0.0	36.2	24.9
15	1059.88	659.91	133.50	0	500	80.6	69.3	3.0	0.0	45.0	0.1	1.8	0.0	0.0	0.0	0.0	-0.0	36.6	25.4
16	1043.69	657.82	133.50	0	500	80.6	69.3	3.0	0.0	44.9	0.1	1.8	0.0	0.0	0.0	0.0	-0.0	36.7	25.5
17	1041.84	649.38	133.50	0	500	80.6	69.3	3.0	0.0	43.5	0.1	1.1	0.0	0.0	0.0	0.0	-0.0	38.8	27.6
18	1051.55	669.78	133.50	0	500	80.6	69.3	3.0	0.0	46.6	0.1	2.4	0.0	0.0	0.0	0.0	-0.0	34.4	23.2
19	1061.73	668.35	133.50	0	500	80.6	69.3	3.0	0.0	46.4	0.1	2.4	0.0	0.0	0.0	0.0	-0.0	34.7	23.5
20	1048.32	678.94	133.50	0	500	83.6	72.3	3.0	0.0	47.8	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	35.8	24.6
21	1049.49	699.81	133.50	0	500	64.8	53.5	3.0	0.0	50.1	0.2	3.3	0.0	0.0	0.0	0.0	-0.0	14.2	2.9
22	1075.58	679.69	133.50	0	500	82.2	71.0	3.0	0.0	48.2	0.1	2.9	0.0	0.0	0.0	0.0	-0.0	34.0	22.8
23	1077.08	665.76	133.50	0	500	82.2	71.0	3.0	0.0	46.5	0.1	2.4	0.0	0.0	0.0	0.0	-0.0	36.2	25.0
24	1065.31	688.36	133.50	0	500	85.2	74.0	3.0	0.0	48.9	0.2	3.1	0.0	0.0	0.0	0.0	-0.0	36.1	24.8

Auszug Berechnungsprotokoll

Parkplatz nach ISO 9613, Bez: "Kunden", ID: "LEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
25	1085.10	677.99	133.50	0	500	82.2	71.0	3.0	0.0	48.4	0.1	2.9	0.0	0.0	0.0	0.0	-0.0	33.8	22.5
26	1086.60	664.06	133.50	0	500	82.2	71.0	3.0	0.0	46.8	0.1	2.5	0.0	0.0	0.0	0.0	-0.0	35.8	24.5
27	1093.87	683.26	133.50	0	500	85.2	74.0	3.0	0.0	49.3	0.2	3.2	0.0	0.0	0.0	0.0	-0.0	35.6	24.4
28	1059.71	697.52	133.50	0	500	76.3	65.1	3.0	0.0	49.8	0.2	3.3	0.0	0.0	0.0	0.0	-0.0	26.0	14.8
29	1069.29	694.93	133.50	0	500	73.3	62.1	3.0	0.0	49.7	0.2	3.3	0.0	0.0	0.0	0.0	-0.0	23.2	12.0
30	1088.33	691.52	133.50	0	500	73.3	62.1	3.0	0.0	49.8	0.2	3.3	0.0	0.0	0.0	0.0	-0.0	23.0	11.8
31	1093.46	660.22	133.50	0	500	81.1	69.8	3.0	0.0	46.9	0.1	2.5	0.0	0.0	0.0	0.0	-0.0	34.5	23.3
32	1101.48	672.46	133.50	0	500	81.1	69.8	3.0	0.0	48.7	0.2	3.0	0.0	0.0	0.0	0.0	-0.0	32.1	20.9
33	1082.70	643.60	133.50	0	500	81.1	69.8	3.0	0.0	44.9	0.1	1.8	0.0	0.0	0.0	0.0	-0.0	37.3	26.0
34	1094.61	652.70	133.50	0	500	81.1	69.8	3.0	0.0	46.2	0.1	2.3	0.0	0.0	0.0	0.0	-0.0	35.5	24.3
35	1090.22	630.36	133.50	0	500	78.6	67.3	3.0	0.0	42.9	0.1	0.8	0.0	0.0	1.3	0.0	-0.0	36.4	25.2
36	1085.03	629.10	133.50	0	500	75.6	64.3	3.0	0.0	41.8	0.1	0.0	0.0	0.0	3.3	0.0	-0.0	33.4	22.2
37	1076.76	632.48	133.50	0	500	75.6	64.3	3.0	0.0	40.7	0.1	0.0	0.0	0.0	1.6	0.0	-0.0	36.2	24.9
38	1075.97	630.27	133.50	0	500	72.5	61.3	3.0	0.0	40.1	0.1	0.0	0.0	0.0	3.4	0.0	-0.0	32.0	20.8
39	1084.23	626.89	133.50	0	500	72.5	61.3	3.0	0.0	41.3	0.1	0.0	0.0	0.0	4.3	0.0	-0.0	29.8	18.6
40	1071.04	629.75	133.50	0	500	69.5	58.3	3.0	0.0	38.9	0.1	0.0	0.0	0.0	4.1	0.0	-0.0	29.4	18.2
41	1075.44	628.80	133.50	0	500	69.5	58.3	3.0	0.0	39.6	0.1	0.0	0.0	0.0	4.2	0.0	-0.0	28.6	17.4
42	1069.37	631.70	133.50	0	500	72.5	61.3	3.0	0.0	39.2	0.1	0.0	0.0	0.0	3.1	0.0	-0.0	33.1	21.9
43	1065.11	633.03	133.50	0	500	72.5	61.3	3.0	0.0	38.9	0.1	0.0	0.0	0.0	2.7	0.0	-0.0	33.8	22.6
44	1062.51	632.40	133.50	0	500	69.5	58.3	3.0	0.0	38.5	0.1	0.0	0.0	0.0	3.5	0.0	-0.0	30.5	19.2
45	1058.38	634.09	133.50	0	500	69.5	58.3	3.0	0.0	38.8	0.1	0.0	0.0	0.0	2.9	0.0	-0.0	30.7	19.5
46	1057.98	632.98	133.50	0	500	66.5	55.3	3.0	0.0	38.4	0.1	0.0	0.0	0.0	3.7	0.0	-0.0	27.3	16.1
47	1062.11	631.29	133.50	0	500	66.5	55.3	3.0	0.0	38.0	0.0	0.0	0.0	0.0	4.2	0.0	-0.0	27.2	16.0
48	1055.65	633.09	133.50	0	500	69.5	58.3	3.0	0.0	38.4	0.1	0.0	0.0	0.0	3.9	0.0	-0.0	30.1	18.8
49	1051.38	634.42	133.50	0	500	69.5	58.3	3.0	0.0	39.1	0.1	0.0	0.0	0.0	3.7	0.0	-0.0	29.6	18.4
50	1048.92	634.16	133.50	0	500	66.5	55.3	3.0	0.0	39.2	0.1	0.0	0.0	0.0	4.1	0.0	-0.0	26.1	14.8
51	1044.52	635.11	133.50	0	500	66.5	55.3	3.0	0.0	40.0	0.1	0.0	0.0	0.0	4.2	0.0	-0.0	25.3	14.0
52	1041.10	631.85	133.50	0	500	71.8	60.6	3.0	0.0	39.7	0.1	0.0	0.0	0.0	3.3	0.0	-0.0	31.8	20.5
53	1077.20	622.41	133.50	0	500	59.9	48.7	3.0	0.0	38.8	0.1	0.0	0.0	0.0	6.4	0.0	-0.0	17.6	6.4
54	1069.86	623.97	133.50	0	500	59.9	48.7	2.9	0.0	37.0	0.0	0.0	0.0	0.0	6.9	0.0	-0.0	18.9	7.7
55	1062.58	625.54	133.50	0	500	59.9	48.7	2.9	0.0	35.8	0.0	0.0	0.0	0.0	7.3	0.0	-0.0	19.7	8.4
56	1055.14	627.07	133.50	0	500	59.9	48.7	2.9	0.0	36.0	0.0	0.0	0.0	0.0	7.2	0.0	-0.0	19.5	8.3
57	1084.78	620.92	133.50	0	500	62.9	51.7	3.0	0.0	40.7	0.1	0.0	0.0	0.0	5.7	0.0	-0.0	19.4	8.2
58	1080.97	621.66	133.50	0	500	59.9	48.7	3.0	0.0	39.8	0.1	0.0	0.0	0.0	6.1	0.0	-0.0	17.0	5.8
59	1073.73	623.25	133.50	0	500	59.9	48.7	3.0	0.0	37.9	0.0	0.0	0.0	0.0	6.5	0.0	-0.0	18.4	7.2
60	1043.39	632.95	133.50	0	500	72.4	61.1	3.0	0.0	39.6	0.1	0.0	0.0	0.0	4.8	0.0	-0.0	31.0	19.7
61	1047.45	631.66	133.50	0	500	72.4	61.1	3.0	0.0	38.6	0.1	0.0	0.0	0.0	1.9	0.0	-0.0	34.8	23.6
62	1050.16	629.97	133.50	0	500	72.4	61.1	3.0	0.0	37.7	0.0	0.0	0.0	0.0	4.1	0.0	-0.0	33.5	22.3
63	1054.88	630.13	133.50	0	500	69.4	58.1	2.9	0.0	37.3	0.0	0.0	0.0	0.0	4.8	0.0	-0.0	30.2	18.9
64	1057.25	628.96	133.50	0	500	66.4	55.1	2.9	0.0	36.8	0.0	0.0	0.0	0.0	4.9	0.0	-0.0	27.6	16.3
65	1060.63	628.72	133.50	0	500	66.4	55.1	2.9	0.0	36.9	0.0	0.0	0.0	0.0	4.8	0.0	-0.0	27.6	16.3
66	1059.62	627.79	133.50	0	500	66.4	55.1	2.9	0.0	36.4	0.0	0.0	0.0	0.0	5.3	0.0	-0.0	27.6	16.3
67	1056.25	628.03	133.50	0	500	66.4	55.1	2.9	0.0	36.4	0.0	0.0	0.0	0.0	5.6	0.0	-0.0	27.2	16.0
68	1053.04	628.01	133.50	0	500	66.4	55.1	2.9	0.0	36.6	0.0	0.0	0.0	0.0	6.4	0.0	-0.0	26.3	15.1
69	1049.33	628.78	133.50	0	500	66.4	55.1	2.9	0.0	37.3	0.0	0.0	0.0	0.0	5.8	0.0	-0.0	26.2	14.9
70	1063.85	626.24	133.50	0	500	69.4	58.1	2.9	0.0	36.3	0.0	0.0	0.0	0.0	5.9	0.0	-0.0	30.1	18.8
71	1061.65	627.15	133.50	0	500	66.4	55.1	2.9	0.0	36.4	0.0	0.0	0.0	0.0	5.5	0.0	-0.0	27.5	16.2
72	1058.62	626.86	133.50	0	500	66.4	55.1	2.9	0.0	35.9	0.0	0.0	0.0	0.0	6.5	0.0	-0.0	26.8	15.6
73	1067.06	626.26	133.50	0	500	69.4	58.1	2.9	0.0	37.0	0.0	0.0	0.0	0.0	5.3	0.0	-0.0	30.0	18.8
74	1071.12	624.97	133.50	0	500	69.4	58.1	2.9	0.0	37.6	0.0	0.0	0.0	0.0	5.0	0.0	-0.0	29.7	18.5
75	1071.63	624.19	133.50	0	500	66.4	55.1	2.9	0.0	37.5	0.0	0.0	0.0	0.0	5.8	0.0	-0.0	25.9	14.7
76	1075.35	623.42	133.50	0	500	66.4	55.1	3.0	0.0	38.5	0.1	0.0	0.0	0.0	5.5	0.0	-0.0	25.3	14.1
77	1080.92	622.27	133.50	0	500	69.4	58.1	3.0	0.0	39.8	0.1	0.0	0.0	0.0	5.1	0.0	-0.0	27.3	16.1
78	1089.49	619.84	133.50	0	500	58.0	46.8	3.0	0.0	41.8	0.1	0.1	0.0	0.0	5.5	0.0	-0.0	13.5	2.3
79	1056.61	631.09	133.50	0	500	70.6	59.4	3.0	0.0	37.7	0.0	0.0	0.0	0.0	4.6	0.0	-0.0	31.2	19.9
80	1053.36	632.46	133.50	0	500	67.6	56.3	3.0	0.0	38.3	0.0	0.0	0.0	0.0	4.4	0.0	-0.0	27.8	16.5
81	1046.65	633.92	133.50	0	500	67.6	56.3	3.0	0.0	39.4	0.1	0.0	0.0	0.0	4.4	0.0	-0.0	26.7	15.4
82	1080.21	624.31	133.50	0	500	70.3	59.0	3.0	0.0	40.0	0.1	0.0	0.0	0.0	2.7	0.0	-0.0	30.5	19.3
83	1076.03	625.98	133.50	0	500	70.3	59.0	3.0	0.0	39.2	0.1	0.0	0.0	0.0	1.8	0.0	-0.0	32.2	20.9
84	1072.47	627.89	133.50	0	500	70.3	59.0	3.0	0.0	38.8	0.1	0.0	0.0	0.0	4.6	0.0	-0.0	29.8	18.5
85	1069.12	628.23	133.50	0	500	67.3	56.0	3.0	0.0	38.1	0.0	0.0	0.0	0.0	4.7	0.0	-0.0	27.4	16.1
86	1064.94	629.90	133.50	0	500	67.3	56.0	3.0	0.0	37.9	0.0	0.0	0.0	0.0	4.5	0.0	-0.0	27.8	16.5
87	1087.53	623.86	133.50	0	500	73.3	62.0	3.0	0.0	41.7	0.1	0.0	0.0	0.0	4.8	0.0	-0.0	29.7	18.5
88	1082.09	625.04	133.50	0	500	73.3	62.0	3.0	0.0	40.5	0.1	0.0	0.0	0.0	4.8	0.0	-0.0	30.9	19.6
89	1062.11	629.85	133.50	0	500	68.7	57.4	2.9	0.0	37.5	0.0	0.0	0.0	0.0	4.7	0.0	-0.0	29.4	18.2
90	1064.15	628.70	133.50	0	500	65.7	54.4	2.9	0.0	37.3	0.0	0.0	0.0	0.0	4.8	0.0	-0.0	26.5	15.2
91	1068.44	627.67	133.50	0	500	65.7	54.4	3.0	0.0	37.8	0.0	0.0	0.0	0.0	4.8	0.0	-0.0	26.0	14.8
92	1068.36	627.19	133.50	0	500	62.7	51.4	2.9	0.0	37.6	0.0	0.0							

Parkplatz nach ISO 9613, Bez.: "Kunden", ID: "LEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
93	1064.07	628.21	133.50	0	500	62.7	51.4	2.9	0.0	37.1	0.0	0.0	0.0	0.0	4.8	0.0	-0.0	23.7	12.4
94	1070.45	626.35	133.50	0	500	65.7	54.4	3.0	0.0	37.8	0.0	0.0	0.0	0.0	3.4	0.0	-0.0	27.4	16.1
95	1074.72	625.17	133.50	0	500	65.7	54.4	3.0	0.0	38.7	0.1	0.0	0.0	0.0	3.4	0.0	-0.0	26.5	15.2
96	1076.78	624.17	133.50	0	500	62.7	51.4	3.0	0.0	39.0	0.1	0.0	0.0	0.0	4.1	0.0	-0.0	22.5	11.3
97	1081.02	622.83	133.50	0	500	62.7	51.4	3.0	0.0	40.0	0.1	0.0	0.0	0.0	4.4	0.0	-0.0	21.3	10.0
98	1089.67	621.92	133.50	0	500	72.0	60.8	3.0	0.0	42.0	0.1	0.2	0.0	0.0	2.8	0.0	-0.0	29.9	18.7
99	1090.82	620.26	133.50	0	500	65.6	54.4	3.0	0.0	42.1	0.1	0.3	0.0	0.0	4.3	0.0	-0.0	21.8	10.5
100	1057.37	636.32	133.50	0	500	70.6	59.3	3.0	0.0	39.5	0.1	0.0	0.0	0.0	1.1	0.0	-0.0	32.9	21.7
101	1051.23	635.65	133.50	0	500	67.6	56.3	3.0	0.0	39.5	0.1	0.0	0.0	0.0	3.0	0.0	-0.0	28.0	16.8
102	1046.56	635.87	133.50	0	500	67.6	56.3	3.0	0.0	40.0	0.1	0.0	0.0	0.0	3.6	0.0	-0.0	26.9	15.7
103	1064.79	635.49	133.50	0	500	70.6	59.3	3.0	0.0	39.7	0.1	0.0	0.0	0.0	0.1	0.0	-0.0	33.7	22.4
104	1060.13	635.71	133.50	0	500	70.6	59.3	3.0	0.0	39.4	0.1	0.0	0.0	0.0	1.1	0.0	-0.0	33.0	21.8
105	1068.82	636.02	133.50	0	500	70.6	59.3	3.0	0.0	40.3	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	33.2	22.0
106	1073.90	635.31	133.50	0	500	70.6	59.3	3.0	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	32.7	21.4
107	1076.87	634.46	133.50	0	500	70.6	59.3	3.0	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	32.4	21.1
108	1086.19	634.02	133.50	0	500	70.6	59.3	3.0	0.0	42.7	0.1	0.6	0.0	0.0	0.0	0.0	-0.0	30.2	18.9
109	1041.69	638.95	133.50	0	500	76.6	65.3	3.0	0.0	41.3	0.1	0.0	0.0	0.0	2.4	0.0	-0.0	35.8	24.5
110	1047.62	637.25	133.50	0	500	73.6	62.3	3.0	0.0	40.3	0.1	0.0	0.0	0.0	2.5	0.0	-0.0	33.8	22.5
111	1053.56	638.16	133.50	0	500	70.6	59.3	3.0	0.0	40.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	33.3	22.1
112	1058.64	637.45	133.50	0	500	70.6	59.3	3.0	0.0	39.9	0.1	0.0	0.0	0.0	0.0	0.0	-0.0	33.6	22.3
113	1047.78	693.92	133.50	0	500	73.2	61.9	3.0	0.0	49.5	0.2	3.2	0.0	0.0	0.0	0.0	-0.0	23.3	12.0
114	1049.67	693.55	133.50	0	500	74.0	62.7	3.0	0.0	49.5	0.2	3.2	0.0	0.0	0.0	0.0	-0.0	24.1	12.9
115	1054.37	688.61	133.50	0	500	78.3	67.1	3.0	0.0	48.9	0.2	3.1	0.0	0.0	0.0	0.0	-0.0	29.2	17.9
116	1061.98	677.81	133.50	0	500	78.3	67.1	3.0	0.0	47.7	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	30.8	19.5
117	1062.19	674.90	133.50	0	500	75.3	64.1	3.0	0.0	47.3	0.1	2.6	0.0	0.0	0.0	0.0	-0.0	28.3	17.0
118	1069.66	666.04	133.50	0	500	75.3	64.1	3.0	0.0	46.2	0.1	2.3	0.0	0.0	0.0	0.0	-0.0	29.7	18.4
119	1077.06	658.15	133.50	0	500	75.3	64.1	3.0	0.0	45.4	0.1	2.0	0.0	0.0	0.0	0.0	-0.0	30.8	19.6
120	1080.93	651.78	133.50	0	500	72.3	61.1	3.0	0.0	44.7	0.1	1.7	0.0	0.0	0.0	0.0	-0.0	28.8	17.5
121	1088.40	642.92	133.50	0	500	72.3	61.1	3.0	0.0	44.3	0.1	1.5	0.0	0.0	0.0	0.0	-0.0	29.5	18.2
122	1038.30	661.25	133.50	0	500	75.4	64.1	3.0	0.0	45.7	0.1	2.1	0.0	0.0	0.0	0.0	-0.0	30.4	19.1
123	1041.75	676.87	133.50	0	500	75.4	64.1	3.0	0.0	47.7	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	27.7	16.5
124	1034.95	653.79	133.50	0	500	78.4	67.1	3.0	0.0	44.8	0.1	1.8	0.0	0.0	0.0	0.0	-0.0	34.7	23.5
125	1038.49	677.59	133.50	0	500	75.4	64.1	3.0	0.0	47.9	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	27.5	16.3
126	1035.04	661.96	133.50	0	500	75.4	64.1	3.0	0.0	46.0	0.1	2.2	0.0	0.0	0.0	0.0	-0.0	30.0	18.8
127	1041.84	685.04	133.50	0	500	78.4	67.1	3.0	0.0	48.7	0.2	3.0	0.0	0.0	0.0	0.0	-0.0	29.5	18.3
128	1031.24	632.77	133.50	0	500	61.8	50.5	3.0	0.0	41.7	0.1	0.0	0.0	0.0	3.8	0.0	-0.0	19.2	8.0
129	1033.37	634.81	133.50	0	500	71.4	60.2	3.0	0.0	41.7	0.1	0.0	0.0	0.0	4.8	0.0	-0.0	27.9	16.6
130	1035.86	637.40	133.50	0	500	73.9	62.7	3.0	0.0	41.8	0.1	0.1	0.0	0.0	4.0	0.0	-0.0	31.0	19.7
131	1038.04	637.58	133.50	0	500	65.5	54.2	3.0	0.0	41.5	0.1	0.0	0.0	0.0	3.8	0.0	-0.0	23.1	11.8
132	1098.61	626.15	133.50	0	500	76.4	65.1	3.0	0.0	44.1	0.1	1.4	0.0	0.0	2.3	0.0	-0.0	31.4	20.1
133	1097.10	629.70	133.50	0	500	75.6	64.3	3.0	0.0	44.1	0.1	1.4	0.0	0.0	0.6	0.0	-0.0	32.3	21.1
134	1030.16	633.76	133.50	0	500	62.2	51.0	3.0	0.0	42.1	0.1	0.3	0.0	0.0	2.8	0.0	-0.0	20.0	8.7
135	1029.99	635.45	133.50	0	500	63.5	52.3	3.0	0.0	42.4	0.1	0.5	0.0	0.0	4.3	0.0	-0.0	19.3	8.0
136	1029.75	637.52	133.50	0	500	68.0	56.7	3.0	0.0	42.8	0.1	0.7	0.0	0.0	3.8	0.0	-0.0	23.6	12.4
137	1030.31	639.43	133.50	0	500	68.7	57.4	3.0	0.0	43.0	0.1	0.8	0.0	0.0	3.0	0.0	-0.0	24.8	13.6
138	1030.72	633.25	133.50	0	500	58.4	47.1	3.0	0.0	41.9	0.1	0.1	0.0	0.0	3.3	0.0	-0.0	16.0	4.7
139	1031.16	634.76	133.50	0	500	61.9	50.7	3.0	0.0	42.1	0.1	0.3	0.0	0.0	1.8	0.0	-0.0	20.8	9.5
140	1032.05	637.89	133.50	0	500	69.4	58.2	3.0	0.0	42.5	0.1	0.5	0.0	0.0	3.7	0.0	-0.0	25.7	14.4
141	1033.36	640.39	133.50	0	500	66.9	55.7	3.0	0.0	42.7	0.1	0.7	0.0	0.0	2.3	0.0	-0.0	24.2	12.9
142	1037.01	651.36	133.50	0	500	59.8	48.5	3.0	0.0	44.2	0.1	1.5	0.0	0.0	0.0	0.0	-0.0	16.9	5.7
143	1040.71	668.25	133.50	0	500	59.8	48.5	3.0	0.0	46.6	0.1	2.4	0.0	0.0	0.0	0.0	-0.0	13.6	2.3
144	1044.49	680.07	133.50	1	500	73.4	62.2	3.0	0.0	53.2	0.3	3.8	0.0	0.0	15.8	0.0	1.0	2.4	-8.8
145	1043.38	669.64	133.50	1	500	70.4	59.1	3.0	0.0	52.4	0.2	3.7	0.0	0.0	15.9	0.0	1.0	0.1	-11.1
146	1043.10	660.38	133.50	1	500	67.4	56.1	3.0	0.0	51.7	0.2	3.6	0.0	0.0	16.0	0.0	1.0	-2.2	-13.5
147	1042.39	651.78	133.50	1	500	67.4	56.1	3.0	0.0	51.0	0.2	3.5	0.0	0.0	16.2	0.0	1.0	-1.5	-12.8
148	1041.84	654.33	133.50	1	500	67.7	56.5	3.0	0.0	51.2	0.2	3.5	0.0	0.0	16.1	0.0	1.0	-1.4	-12.6
149	1042.81	667.85	133.50	1	500	67.7	56.5	3.0	0.0	52.3	0.2	3.7	0.0	0.0	15.9	0.0	1.0	-2.4	-13.7
150	1041.53	644.13	133.50	1	500	67.7	56.5	3.0	0.0	50.3	0.2	3.4	0.0	0.0	18.1	0.0	1.0	-2.2	-13.5
151	1041.85	650.91	133.50	1	500	67.7	56.5	3.0	0.0	50.9	0.2	3.5	0.0	0.0	16.2	0.0	1.0	-1.1	-12.3
152	1044.99	643.81	133.50	1	500	76.0	64.8	3.0	0.0	50.3	0.2	3.4	0.0	0.0	18.1	0.0	1.0	6.1	-5.1
153	1047.18	647.08	133.50	1	500	73.0	61.8	3.0	0.0	50.6	0.2	3.4	0.0	0.0	18.0	0.0	1.0	2.8	-8.5
154	1047.20	654.23	133.50	1	500	73.0	61.8	3.0	0.0	51.2	0.2	3.5	0.0	0.0	16.4	0.0	1.0	3.7	-7.6
155	1049.38	653.92	133.50	1	500	76.0	64.8	3.0	0.0	51.2	0.2	3.5	0.0	0.0	16.5	0.0	1.0	6.6	-4.7
156	1051.60	667.91	133.50	1	500	76.0	64.8	3.0	0.0	52.4	0.2	3.7	0.0	0.0	16.2	0.0	1.0	5.5	-5.8
157	1049.03	669.83	133.50	1	500	78.6	67.3	3.0	0.0	52.5	0.2	3.7	0.0	0.0	16.1	0.0	1.0	8.1	-3.2
158	1044.99	660.44	133.50	1	500	75.6	64.3	3.0	0.0	51.7	0.2	3.6	0.0	0.0	16.1	0.0	1.0	5.9	-5.4
159	1044.27	651.84	133.50	1	500	75.6	64.3	3.0	0.0	51.0	0.2	3.5	0.0	0.0	16.3	0.0	1.0	6.6	-4.7
160	1054.25	644.21	133.50	1	500	7													

Parkplatz nach ISO 9613, Bez: "Kunden", ID: "LEBMARKT"																			
Nr.	X	Y	Z	Refl.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
161	1058.70	648.85	133.50	1	500	76.2	65.0	3.0	0.0	51.0	0.2	3.5	0.0	0.0	17.1	0.0	1.0	6.5	-4.8
162	1058.09	661.36	133.50	1	500	78.9	67.6	3.0	0.0	52.0	0.2	3.7	0.0	0.0	16.7	0.0	1.0	8.4	-2.9
163	1052.82	655.13	133.50	1	500	75.8	64.6	3.0	0.0	51.4	0.2	3.6	0.0	0.0	16.6	0.0	1.0	6.1	-5.2
164	1051.71	648.14	133.50	1	500	75.8	64.6	3.0	0.0	50.8	0.2	3.5	0.0	0.0	16.7	0.0	1.0	6.7	-4.6
165	1088.90	637.10	133.50	1	500	78.1	66.9	3.0	0.0	51.0	0.2	3.5	0.0	0.0	18.4	0.0	1.0	7.0	-4.3
166	1059.71	643.15	133.50	1	500	71.1	59.8	3.0	0.0	50.5	0.2	3.4	0.0	0.0	18.1	0.0	1.0	0.9	-10.3
167	1061.59	647.87	133.50	1	500	68.1	56.8	3.0	0.0	50.9	0.2	3.5	0.0	0.0	17.2	0.0	1.0	-1.8	-13.1
168	1064.35	657.45	133.50	1	500	68.1	56.8	3.0	0.0	51.8	0.2	3.6	0.0	0.0	17.0	0.0	1.0	-2.6	-13.9
169	1063.84	657.79	133.50	1	500	69.5	58.3	3.0	0.0	51.8	0.2	3.6	0.0	0.0	17.0	0.0	1.0	-1.1	-12.4
170	1060.58	648.29	133.50	1	500	69.5	58.3	3.0	0.0	51.0	0.2	3.5	0.0	0.0	17.2	0.0	1.0	-0.3	-11.5
171	1064.94	663.17	133.50	1	500	72.6	61.3	3.0	0.0	52.2	0.2	3.7	0.0	0.0	16.9	0.0	1.0	1.5	-9.7
172	1062.53	642.04	133.50	1	500	74.8	63.6	3.0	0.0	50.5	0.2	3.4	0.0	0.0	18.1	0.0	1.0	4.7	-6.6
173	1065.28	645.91	133.50	1	500	71.8	60.5	3.0	0.0	50.9	0.2	3.5	0.0	0.0	17.2	0.0	1.0	2.0	-9.3
174	1068.04	654.05	133.50	1	500	71.8	60.5	3.0	0.0	51.6	0.2	3.6	0.0	0.0	17.1	0.0	1.0	1.3	-10.0
175	1066.66	654.97	133.50	1	500	73.6	62.3	3.0	0.0	51.6	0.2	3.6	0.0	0.0	17.1	0.0	1.0	3.0	-8.2
176	1062.53	647.02	133.50	1	500	73.6	62.3	3.0	0.0	50.9	0.2	3.5	0.0	0.0	17.2	0.0	1.0	3.7	-7.5
177	1067.35	660.57	133.50	1	500	76.6	65.3	3.0	0.0	52.1	0.2	3.7	0.0	0.0	17.0	0.0	1.0	5.6	-5.6
178	1051.66	674.97	133.50	1	500	81.0	69.7	3.0	0.0	53.2	0.3	3.8	0.0	0.0	0.0	0.0	1.0	25.7	14.4
179	1047.94	686.78	133.50	1	500	74.4	63.2	3.0	0.0	52.6	0.2	3.7	0.0	0.0	0.0	0.0	1.0	19.9	8.6
180	1046.72	677.59	133.50	1	500	79.9	68.6	3.0	0.0	53.2	0.3	3.8	0.0	0.0	0.0	0.0	1.0	24.6	13.3
181	1045.86	689.25	133.50	1	500	68.4	57.2	3.0	0.0	52.5	0.2	3.7	0.0	0.0	0.0	0.0	1.0	14.0	2.7
182	1094.39	658.91	133.50	1	500	64.7	53.4	3.0	0.0	52.8	0.2	3.8	0.0	0.0	17.7	0.0	1.0	-7.8	-19.0
183	1100.92	673.26	133.50	1	500	64.7	53.4	3.0	0.0	53.8	0.3	3.9	0.0	0.0	17.4	0.0	1.0	-8.7	-20.0
184	1091.22	651.60	133.50	1	500	67.7	56.5	3.0	0.0	52.2	0.2	3.7	0.0	0.0	17.9	0.0	1.0	-4.3	-15.5
185	1103.92	680.54	133.50	1	500	69.3	58.0	3.0	0.0	54.3	0.3	3.9	0.0	0.0	17.3	0.0	1.0	-4.6	-15.9
186	1100.56	673.40	133.50	1	500	66.3	55.0	3.0	0.0	53.8	0.3	3.9	0.0	0.0	17.4	0.0	1.0	-7.2	-18.4
187	1094.23	659.00	133.50	1	500	66.3	55.0	3.0	0.0	52.8	0.2	3.8	0.0	0.0	17.7	0.0	1.0	-6.2	-17.5
188	1095.84	656.85	133.50	1	500	79.0	67.7	3.0	0.0	52.7	0.2	3.8	0.0	0.0	17.7	0.0	1.0	6.6	-4.7
189	1102.27	671.33	133.50	1	500	79.0	67.7	3.0	0.0	53.7	0.3	3.9	0.0	0.0	17.5	0.0	1.0	5.6	-5.6
190	1094.28	641.35	133.50	1	500	79.0	67.7	3.0	0.0	51.5	0.2	3.6	0.0	0.0	18.2	0.0	1.0	7.5	-3.8
191	1096.19	650.45	133.50	1	500	79.0	67.7	3.0	0.0	52.3	0.2	3.7	0.0	0.0	17.9	0.0	1.0	6.9	-4.3
192	1071.16	684.29	133.50	1	500	77.8	66.6	3.0	0.0	53.7	0.3	3.9	0.0	0.0	16.6	0.0	1.0	5.3	-5.9
193	1074.96	681.82	133.50	1	500	82.8	71.5	3.0	0.0	53.7	0.3	3.9	0.0	0.0	16.7	0.0	1.0	10.3	-1.0
194	1058.54	693.34	133.50	1	500	81.7	70.5	3.0	0.0	51.8	0.2	3.6	0.0	0.0	0.0	0.0	1.0	28.0	16.8
195	1050.07	699.61	133.50	1	500	67.6	56.4	3.0	0.0	51.6	0.2	3.6	0.0	0.0	0.0	0.0	1.0	14.2	2.9
196	1100.02	677.04	133.50	1	500	80.7	69.5	3.0	0.0	53.1	0.2	3.8	0.0	0.0	0.0	0.0	1.0	25.6	14.3
197	1102.53	685.23	133.50	1	500	76.4	65.1	3.0	0.0	52.5	0.2	3.7	0.0	0.0	0.0	0.0	1.0	21.9	10.7
198	1096.10	671.69	133.50	1	500	67.2	55.9	3.0	0.0	52.6	0.2	3.8	0.0	0.0	0.0	0.0	1.0	12.6	1.3
199	1096.42	672.16	133.50	1	500	65.1	53.8	3.0	0.0	52.6	0.2	3.7	0.0	0.0	0.0	0.0	1.0	10.5	-0.7
200	1096.26	681.19	133.50	1	500	68.1	56.8	3.0	0.0	51.9	0.2	3.6	0.0	0.0	0.0	0.0	1.0	14.3	3.1
201	1078.58	686.54	133.50	1	500	84.9	73.6	3.0	0.0	51.6	0.2	3.6	0.0	0.0	0.0	0.0	1.0	31.5	20.2
202	1086.40	675.25	133.50	1	500	86.7	75.5	3.0	0.0	52.4	0.2	3.7	0.0	0.0	0.0	0.0	1.0	32.4	21.2
203	1076.79	665.04	133.50	1	500	80.7	69.5	3.0	0.0	53.2	0.3	3.8	0.0	0.0	0.0	0.0	1.0	25.5	14.2
204	1067.67	686.09	133.50	1	500	80.6	69.3	3.0	0.0	52.7	0.2	3.8	0.0	0.0	0.0	0.0	1.0	25.9	14.6
205	1064.42	688.74	133.50	1	500	76.7	65.4	3.0	0.0	52.6	0.2	3.8	0.0	0.0	0.0	0.0	1.0	22.1	10.8
206	1044.97	635.05	133.50	1	500	67.3	56.1	3.0	0.0	49.4	0.2	3.2	0.0	0.0	18.4	0.0	1.0	-1.9	-13.2
207	1049.24	634.49	133.50	1	500	67.8	56.5	3.0	0.0	49.4	0.2	3.2	0.0	0.0	18.4	0.0	1.0	-1.5	-12.7
208	1053.69	633.92	133.50	1	500	71.5	60.3	3.0	0.0	49.5	0.2	3.2	0.0	0.0	18.4	0.0	1.0	2.2	-9.1
209	1087.76	629.63	133.50	1	500	80.4	69.2	3.0	0.0	50.4	0.2	3.4	0.0	0.0	18.8	0.0	1.0	9.7	-1.6
210	1093.21	627.33	133.50	1	500	70.0	58.7	3.0	0.0	50.4	0.2	3.4	0.0	0.0	18.9	0.0	1.0	-0.9	-12.2
211	1056.98	633.50	133.50	1	500	66.7	55.5	3.0	0.0	49.5	0.2	3.2	0.0	0.0	18.4	0.0	1.0	-2.6	-13.9
212	1059.71	633.15	133.50	1	500	71.8	60.5	3.0	0.0	49.6	0.2	3.2	0.0	0.0	18.4	0.0	1.0	2.4	-8.9
213	1043.43	632.08	133.50	1	500	75.9	64.7	3.0	0.0	49.1	0.2	3.1	0.0	0.0	18.8	0.0	1.0	6.8	-4.5
214	1048.10	630.83	133.50	1	500	71.1	59.9	3.0	0.0	49.0	0.2	3.1	0.0	0.0	18.8	0.0	1.0	2.0	-9.3
215	1052.09	629.77	133.50	1	500	74.3	63.0	3.0	0.0	49.0	0.2	3.1	0.0	0.0	18.9	0.0	1.0	5.1	-6.1
216	1082.70	621.64	133.50	1	500	70.3	59.1	3.0	0.0	49.5	0.2	3.2	0.0	0.0	19.8	0.0	1.0	-0.2	-11.5
217	1055.66	628.82	133.50	1	500	67.4	56.2	3.0	0.0	49.0	0.2	3.1	0.0	0.0	18.9	0.0	1.0	-1.7	-13.0
218	1058.04	628.18	133.50	1	500	71.5	60.3	3.0	0.0	49.0	0.2	3.1	0.0	0.0	18.9	0.0	1.0	2.3	-8.9
219	1044.87	634.39	133.50	1	500	64.9	53.6	3.0	0.0	49.4	0.2	3.2	0.0	0.0	18.5	0.0	1.0	-4.4	-15.6
220	1048.90	633.32	133.50	1	500	64.9	53.6	3.0	0.0	49.3	0.2	3.2	0.0	0.0	18.5	0.0	1.0	-4.3	-15.6
221	1053.17	632.18	133.50	1	500	69.0	57.8	3.0	0.0	49.3	0.2	3.2	0.0	0.0	18.6	0.0	1.0	-0.2	-11.5
222	1085.61	623.57	133.50	1	500	78.0	66.8	3.0	0.0	49.8	0.2	3.3	0.0	0.0	19.3	0.0	1.0	7.5	-3.8
223	1091.48	621.11	133.50	1	500	67.0	55.8	3.0	0.0	49.8	0.2	3.3	0.0	0.0	19.5	0.0	1.0	-3.8	-15.0
224	1056.37	631.33	133.50	1	500	64.0	52.7	3.0	0.0	49.3	0.2	3.2	0.0	0.0	18.6	0.0	1.0	-5.2	-16.5
225	1058.91	630.65	133.50	1	500	69.0	57.7	3.0	0.0	49.3	0.2	3.2	0.0	0.0	18.6	0.0	1.0	-0.3	-11.5
226	1052.31	637.16	133.50	1	500	76.3	65.0	3.0	0.0	49.8	0.2	3.3	0.0	0.0	18.3	0.0	1.0	6.8	-4.5
227	1044.12	637.94	133.50	1	500	76.1	64.9	3.0	0.0	49.7	0.2	3.3	0.0	0.0	18.3	0.0	1.0	6.7	-4.6
228	1087.48	633.87	133.50	1	500	69.4													

Parkplatz nach ISO 9613, Bez: "Kunden", ID: "LEBMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	dB(A)	dB(A)									
229	1060.61	636.38	133.50	1	500	71.9	60.7	3.0	0.0	49.9	0.2	3.3	0.0	0.0	18.3	0.0	1.0	2.3	-9.0
230	1057.84	636.64	133.50	1	500	67.8	56.6	3.0	0.0	49.8	0.2	3.3	0.0	0.0	18.3	0.0	1.0	-1.8	-13.0
231	1090.34	640.37	133.50	1	500	69.7	58.5	3.0	0.0	51.3	0.2	3.6	0.0	0.0	18.2	0.0	1.0	-1.6	-12.9
232	1067.25	670.40	133.50	1	500	70.8	59.5	3.0	0.0	52.8	0.2	3.8	0.0	0.0	16.8	0.0	1.0	-0.8	-12.1
233	1070.04	666.77	133.50	1	500	74.5	63.3	3.0	0.0	52.6	0.2	3.7	0.0	0.0	16.9	0.0	1.0	3.1	-8.2
234	1054.20	687.26	133.50	1	500	80.9	69.7	3.0	0.0	52.4	0.2	3.7	0.0	0.0	0.0	0.0	1.0	26.6	15.4
235	1048.25	694.96	133.50	1	500	71.7	60.5	3.0	0.0	52.0	0.2	3.7	0.0	0.0	0.0	0.0	1.0	17.8	6.5
236	1047.82	697.50	133.50	1	500	69.3	58.1	3.0	0.0	51.8	0.2	3.6	0.0	0.0	0.0	0.0	1.0	15.6	4.3
237	1071.57	665.35	133.50	1	500	77.6	66.3	3.0	0.0	53.2	0.3	3.8	0.0	0.0	0.0	0.0	1.0	22.3	11.1
238	1064.38	674.09	133.50	1	500	75.6	64.3	3.0	0.0	53.6	0.3	3.9	0.0	0.0	0.0	0.0	1.0	19.9	8.6
239	1061.25	678.15	133.50	1	500	72.7	61.5	3.0	0.0	53.4	0.3	3.8	0.0	0.0	0.0	0.0	1.0	17.3	6.0
240	1042.22	677.52	133.50	1	500	71.2	60.0	3.0	0.0	53.3	0.3	3.8	0.0	0.0	0.0	0.0	1.0	15.8	4.6
241	1043.89	685.07	133.50	1	500	68.4	57.2	3.0	0.0	52.8	0.2	3.8	0.0	0.0	0.0	0.0	1.0	13.6	2.3
242	1041.28	685.40	133.50	1	500	76.8	65.6	3.0	0.0	52.9	0.2	3.8	0.0	0.0	0.0	0.0	1.0	21.9	10.7
243	1039.70	677.21	133.50	1	500	76.3	65.0	3.0	0.0	53.4	0.3	3.8	0.0	0.0	0.0	0.0	1.0	20.8	9.5
244	1098.61	626.15	133.50	1	500	76.4	65.1	3.0	0.0	50.6	0.2	3.4	0.0	0.0	18.8	0.0	1.0	5.4	-5.9
245	1097.10	629.70	133.50	1	500	75.6	64.3	3.0	0.0	50.8	0.2	3.5	0.0	0.0	18.6	0.0	1.0	4.5	-6.8
246	1044.87	687.16	133.50	1	500	46.8	35.5	3.0	0.0	52.6	0.2	3.8	0.0	0.0	0.0	0.0	1.0	-7.9	-19.1

Parkplatz nach ISO 9613, Bez: "Kunden", ID: "DROGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	dB(A)	dB(A)									
1	1047.10	653.51	133.50	0	500	75.9	-88.0	3.0	0.0	44.0	0.1	1.4	0.0	0.0	0.0	0.0	-0.0	33.4	-88.0
2	1052.72	648.20	133.50	0	500	75.9	-88.0	3.0	0.0	42.7	0.1	0.7	0.0	0.0	0.0	0.0	-0.0	35.4	-88.0
3	1047.32	659.57	133.50	0	500	78.9	-88.0	3.0	0.0	45.1	0.1	1.9	0.0	0.0	0.0	0.0	-0.0	34.9	-88.0
4	1044.08	650.10	133.50	0	500	75.9	-88.0	3.0	0.0	43.5	0.1	1.1	0.0	0.0	0.0	0.0	-0.0	34.2	-88.0
5	1049.70	644.79	133.50	0	500	75.9	-88.0	3.0	0.0	42.1	0.1	0.2	0.0	0.0	0.0	0.0	-0.0	36.5	-88.0
6	1038.25	649.35	133.50	0	500	78.9	-88.0	3.0	0.0	43.8	0.1	1.3	0.0	0.0	0.0	0.0	-0.0	36.8	-88.0
7	1041.70	664.87	133.50	0	500	78.9	-88.0	3.0	0.0	46.1	0.1	2.3	0.0	0.0	0.0	0.0	-0.0	33.4	-88.0
8	1035.66	658.06	133.50	0	500	78.9	-88.0	3.0	0.0	45.4	0.1	2.0	0.0	0.0	0.0	0.0	-0.0	34.4	-88.0
9	1042.13	676.99	133.50	0	500	81.9	-88.0	3.0	0.0	47.7	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	34.3	-88.0
10	1063.15	678.28	133.50	0	500	79.3	-88.0	3.0	0.0	47.7	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	31.7	-88.0
11	1059.01	664.77	133.50	0	500	76.3	-88.0	3.0	0.0	45.8	0.1	2.1	0.0	0.0	0.0	0.0	-0.0	31.3	-88.0
12	1059.99	659.73	133.50	0	500	73.3	-88.0	3.0	0.0	45.0	0.1	1.8	0.0	0.0	0.0	0.0	-0.0	29.4	-88.0
13	1057.90	650.57	133.50	0	500	73.3	-88.0	3.0	0.0	43.2	0.1	1.0	0.0	0.0	0.0	0.0	-0.0	32.1	-88.0
14	1061.20	688.35	133.50	0	500	82.4	-88.0	3.0	0.0	48.9	0.2	3.1	0.0	0.0	0.0	0.0	-0.0	33.2	-88.0
15	1053.17	690.29	133.50	0	500	80.0	-88.0	3.0	0.0	49.1	0.2	3.1	0.0	0.0	0.0	0.0	-0.0	30.6	-88.0
16	1055.48	680.14	133.50	0	500	78.4	-88.0	3.0	0.0	47.9	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	30.5	-88.0
17	1054.57	665.97	133.50	0	500	75.4	-88.0	3.0	0.0	46.0	0.1	2.2	0.0	0.0	0.0	0.0	-0.0	30.1	-88.0
18	1056.15	660.66	133.50	0	500	72.4	-88.0	3.0	0.0	45.1	0.1	1.9	0.0	0.0	0.0	0.0	-0.0	28.3	-88.0
19	1056.09	651.05	133.50	0	500	72.4	-88.0	3.0	0.0	43.3	0.1	1.0	0.0	0.0	0.0	0.0	-0.0	31.0	-88.0
20	1049.98	691.01	133.50	0	500	75.3	-88.0	3.0	0.0	49.2	0.2	3.1	0.0	0.0	0.0	0.0	-0.0	25.8	-88.0
21	1045.52	684.01	133.50	0	500	77.6	-88.0	3.0	0.0	48.5	0.1	3.0	0.0	0.0	0.0	0.0	-0.0	29.0	-88.0
22	1052.01	659.03	133.50	0	500	70.2	-88.0	3.0	0.0	44.9	0.1	1.8	0.0	0.0	0.0	0.0	-0.0	26.4	-88.0
23	1048.29	678.00	133.50	0	500	72.5	-88.0	3.0	0.0	47.7	0.1	2.8	0.0	0.0	0.0	0.0	-0.0	24.9	-88.0
24	1050.66	666.82	133.50	0	500	72.5	-88.0	3.0	0.0	46.1	0.1	2.3	0.0	0.0	0.0	0.0	-0.0	26.9	-88.0
25	1054.51	650.64	133.50	0	500	69.0	-88.0	3.0	0.0	43.2	0.1	1.0	0.0	0.0	0.0	0.0	-0.0	27.7	-88.0
26	1048.13	687.70	133.50	0	500	75.9	-88.0	3.0	0.0	48.9	0.2	3.1	0.0	0.0	0.0	0.0	-0.0	26.8	-88.0
27	1052.01	666.69	133.50	0	500	70.0	-88.0	3.0	0.0	46.1	0.1	2.3	0.0	0.0	0.0	0.0	-0.0	24.5	-88.0
28	1050.19	680.80	133.50	0	500	73.9	-88.0	3.0	0.0	48.0	0.1	2.9	0.0	0.0	0.0	0.0	-0.0	25.9	-88.0
29	1053.27	662.18	133.50	0	500	68.9	-88.0	3.0	0.0	45.4	0.1	2.0	0.0	0.0	0.0	0.0	-0.0	24.4	-88.0
30	1054.81	652.07	133.50	0	500	68.9	-88.0	3.0	0.0	43.5	0.1	1.1	0.0	0.0	0.0	0.0	-0.0	27.2	-88.0
31	1047.04	649.04	133.50	1	500	78.1	-88.0	3.0	0.0	50.8	0.2	3.5	0.0	0.0	17.9	0.0	1.0	7.8	-88.0
32	1044.92	656.29	133.50	1	500	79.6	-88.0	3.0	0.0	51.4	0.2	3.6	0.0	0.0	16.2	0.0	1.0	10.3	-88.0
33	1045.88	669.65	133.50	1	500	79.6	-88.0	3.0	0.0	52.4	0.2	3.7	0.0	0.0	16.0	0.0	1.0	9.3	-88.0
34	1052.32	647.88	133.50	1	500	78.3	-88.0	3.0	0.0	50.8	0.2	3.5	0.0	0.0	16.8	0.0	1.0	9.1	-88.0
35	1041.41	676.04	133.50	1	500	75.2	-88.0	3.0	0.0	53.4	0.3	3.8	0.0	0.0	0.0	0.0	1.0	19.6	-88.0
36	1039.96	679.81	133.50	1	500	78.1	-88.0	3.0	0.0	53.3	0.3	3.8	0.0	0.0	0.0	0.0	1.0	22.7	-88.0
37	1054.56	669.47	133.50	1	500	73.3	-88.0	3.0	0.0	52.5	0.2	3.7	0.0	0.0	16.3	0.0	1.0	2.5	-88.0
38	1056.26	662.60	133.50	1	500	75.4	-88.0	3.0	0.0	52.0	0.2	3.7	0.0	0.0	16.6	0.0	1.0	5.0	-88.0
39	1057.12	650.69	133.50	1	500	73.6	-88.0	3.0	0.0	51.1	0.2	3.5	0.0	0.0	16.9	0.0	1.0	3.8	-88.0
40	1059.26	659.49	133.50	1	500	73.6	-88.0	3.0	0.0	51.8	0.2	3.6	0.0	0.0	16.8	0.0	1.0	3.1	-88.0
41	1058.67	651.96	133.50	1	500	61.4	-88.0	3.0	0.0	51.2	0.2	3.5	0.0	0.0	16.9	0.0	1.0	-8.5	-88.0
42	1057.76	646.48	133.50	1	500	67.4	-88.0	3.0	0.0	50.8	0.2	3.5	0.0	0.0	17.1	0.0	1.0	-2.1	-88.0
43	1058.75	651.42	133.50	1	500	64.4	-88.0	3.0	0.0	51.2	0.2	3.5	0.0	0.0	17.0	0.0	1.0	-5.5	-88.0
44	1049.35	698.39	133.50	1	500	71.2	-88.0	3.0	0.0	51.7	0.2	3.6	0.0	0.0	0.0	0.0	1.0	17.6	-88.0
45	1054.59	688.63	133.50	1	500	83.3	-88.0	3.0	0.0	52.3	0.2	3.7	0.0	0.0	0.0	0.0	1.0	29.1	-88.0
46	1057.54	682.29	133.50	1	500	72.3	-88.0	3.0	0.0	52.6	0.2	3.8	0.0	0.0	0.0	0.0	1.0	17.7	-88.0

Parkplatz nach ISO 9613, Bez: "Kunden", ID: "DROGMARKT"																			
Nr.	X	Y	Z	Ref.	Freq.	LxT	LxN	K0	Dc	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	LrT	LrN
	(m)	(m)	(m)		(Hz)	dB(A)	dB(A)	(dB)	(dB)	(dB)	(dB)	dB(A)	dB(A)						
47	1059.36	681.06	133.50	1	500	75.0	-88.0	3.0	0.0	52.7	0.2	3.8	0.0	0.0	0.0	0.0	1.0	20.3	-88.0
48	1060.47	687.38	133.50	1	500	75.9	-88.0	3.0	0.0	52.2	0.2	3.7	0.0	0.0	0.0	0.0	1.0	21.8	-88.0
49	1063.45	682.85	133.50	1	500	72.5	-88.0	3.0	0.0	53.0	0.2	3.8	0.0	0.0	0.0	0.0	1.0	17.4	-88.0
50	1064.82	690.45	133.50	1	500	73.5	-88.0	3.0	0.0	52.5	0.2	3.7	0.0	0.0	0.0	0.0	1.0	19.0	-88.0
51	1062.14	684.34	133.50	1	500	70.5	-88.0	3.0	0.0	52.9	0.2	3.8	0.0	0.0	0.0	0.0	1.0	15.5	-88.0
52	1064.76	680.52	133.50	1	500	71.3	-88.0	3.0	0.0	53.1	0.3	3.8	0.0	0.0	0.0	0.0	1.0	16.1	-88.0
53	1066.49	688.88	133.50	1	500	72.3	-88.0	3.0	0.0	52.5	0.2	3.7	0.0	0.0	0.0	0.0	1.0	17.8	-88.0
54	1063.89	681.56	133.50	1	500	69.3	-88.0	3.0	0.0	53.1	0.3	3.8	0.0	0.0	0.0	0.0	1.0	14.2	-88.0
55	1065.03	678.74	133.50	1	500	71.5	-88.0	3.0	0.0	53.3	0.3	3.8	0.0	0.0	0.0	0.0	1.0	16.1	-88.0
56	1050.60	666.08	133.50	1	500	72.4	-88.0	3.0	0.0	52.2	0.2	3.7	0.0	0.0	16.2	0.0	1.0	2.0	-88.0
57	1051.73	661.54	133.50	1	500	52.9	-88.0	3.0	0.0	51.9	0.2	3.6	0.0	0.0	16.4	0.0	1.0	-17.2	-88.0
58	1052.64	658.44	133.50	1	500	69.3	-88.0	3.0	0.0	51.6	0.2	3.6	0.0	0.0	16.5	0.0	1.0	-0.7	-88.0
59	1054.23	650.98	133.50	1	500	69.3	-88.0	3.0	0.0	51.1	0.2	3.5	0.0	0.0	16.8	0.0	1.0	-0.3	-88.0
60	1043.80	690.44	133.50	1	500	70.7	-88.0	3.0	0.0	52.5	0.2	3.7	0.0	0.0	0.0	0.0	1.0	16.3	-88.0
61	1044.96	688.08	133.50	1	500	70.3	-88.0	3.0	0.0	52.6	0.2	3.7	0.0	0.0	0.0	0.0	1.0	15.7	-88.0
62	1047.84	676.74	133.50	1	500	78.1	-88.0	3.0	0.0	53.2	0.3	3.8	0.0	0.0	0.0	0.0	1.0	22.8	-88.0
63	1050.46	673.64	133.50	1	500	73.0	-88.0	3.0	0.0	52.8	0.2	3.8	0.0	0.0	16.1	0.0	1.0	2.1	-88.0
64	1052.64	664.46	133.50	1	500	65.8	-88.0	3.0	0.0	52.1	0.2	3.7	0.0	0.0	16.4	0.0	1.0	-4.6	-88.0
65	1053.69	658.60	133.50	1	500	69.8	-88.0	3.0	0.0	51.7	0.2	3.6	0.0	0.0	16.5	0.0	1.0	-0.3	-88.0
66	1055.37	649.24	133.50	1	500	66.3	-88.0	3.0	0.0	50.9	0.2	3.5	0.0	0.0	16.9	0.0	1.0	-3.3	-88.0
67	1049.63	680.84	133.50	1	500	77.3	-88.0	3.0	0.0	52.9	0.2	3.8	0.0	0.0	0.0	0.0	1.0	22.4	-88.0
68	1047.39	693.13	133.50	1	500	69.4	-88.0	3.0	0.0	52.2	0.2	3.7	0.0	0.0	0.0	0.0	1.0	15.3	-88.0
69	1047.31	696.73	133.50	1	500	67.9	-88.0	3.0	0.0	51.9	0.2	3.6	0.0	0.0	0.0	0.0	1.0	14.1	-88.0

Abfahrender Pkw-Verkehr zur lautesten Nachtstunde
Bericht (progmod-Markt PPltz lauteste Nachtstunde.cna)

Parkplätze

Bezeichnung	M.	ID	Typ	Lwa			Zähldaten						Zuschlag Art		Zuschlag Fahrb		Berech
				Tag	Ruhe	Nacht	Bezugsgr. B0	Anzahl B	Stellpl/BezGr f	Beweg/h/BezGr. N			Kpa	Parkplatzart	Kstro	Fahrbahnoberf	
				(dBA)	(dBA)	(dBA)				Tag	Ruhe	Nacht					
Kunden		LEBMARKT	ind	97.2	97.2	89.0	1m² Netto-Verkaufsfläche	1650	0.07	0.100	0.100	0.015	7.0	Parkplatz an Einkaufszentrum	0.0	Asphaltierte Fahrgassen	LfU-Stu
Kunden		DROGMARKT	ind	91.6	91.6	-51.8	1m² Netto-Verkaufsfläche	600	0.07	0.100	0.100	0.000	7.0	Parkplatz an Einkaufszentrum	0.0	Asphaltierte Fahrgassen	LfU-Stu

Immissionspunkte

Bezeichnung	M.	ID	Pegel Lr		Richtwert		Nutzungsart			Höhe	Koordinaten			
			Lde	Nacht	Lde	Nacht	Gebiet	Auto	Lärmart		X	Y	Z	
			(dBA)	(dBA)	(dBA)	(dBA)								(m)
ip1			52.6	40.4	60.0	45.0	MI		Industrie	6.00	r	1007.22	630.92	139.00
ip2			54.6	42.9	60.0	45.0	MI		Industrie	6.00	r	1056.61	610.18	139.00
ip3			53.9	42.5	60.0	45.0	MI		Industrie	6.00	r	1121.70	664.12	139.00
ip4			44.2	33.1	60.0	45.0	MI		Industrie	4.00	r	1129.28	729.74	137.00
ip5			51.0	38.3	60.0	45.0	MI		Industrie	4.00	r	1024.01	718.19	137.00
ip6			54.8	42.0	60.0	45.0	MI		Industrie	4.00	r	1013.55	669.33	137.00
ip3a			54.4	43.1	60.0	45.0	MI		Industrie	4.00	r	1120.62	673.60	137.00

Nachtanlieferung lautesten Nachtstunde
Bericht (progmod-Markt Anlieferung 1 Lkw lauteste Nachtstunde.cna)

Parkplätze

Bezeichnung	M.	ID	Typ	Lwa			Zähldaten						Zuschlag Art		Zuschlag Fahrh		Berech
				Tag (dBA)	Ruhe (dBA)	Nacht (dBA)	Bezugsgr. B0	Anzahl B	Stellpl/BezGr f	Beweg/h/BezGr. N			Kpa	Parkplatzart	Kstro	Fahrbahnoberfl	
Kunden	~	LEBMARKT	ind	97.2	97.2	89.0	1m² Netto-Verkaufsfläche	1650	0.07	0.100	0.100	0.015	7.0	Parkplatz an Einkaufszentrum	0.0	Asphaltierte Fahrgassen	LfU-St
Kunden	~	DROGMARKT	ind	91.6	91.6	-51.8	1m² Netto-Verkaufsfläche	600	0.07	0.100	0.100	0.000	7.0	Parkplatz an Einkaufszentrum	0.0	Asphaltierte Fahrgassen	LfU-St

Immissionspunkte

Bezeichnung	M.	ID	Pegel Lr		Richtwert		Nutzungsart			Höhe (m)	Koordinaten			
			Lde (dBA)	Nacht (dBA)	Lde (dBA)	Nacht (dBA)	Gebiet	Auto	Lärmart		X (m)	Y (m)	Z (m)	
ip1			41.7	45.1	60.0	45.0	MI		Industrie	6.00	r	1007.22	630.92	139.00
ip2			40.3	44.0	60.0	45.0	MI		Industrie	6.00	r	1056.61	610.18	139.00
ip3			45.1	49.2	60.0	45.0	MI		Industrie	6.00	r	1121.70	664.12	139.00
ip4			42.6	46.5	60.0	45.0	MI		Industrie	4.00	r	1129.28	729.74	137.00
ip5			38.0	41.4	60.0	45.0	MI		Industrie	4.00	r	1024.01	718.19	137.00
ip6			42.1	45.5	60.0	45.0	MI		Industrie	4.00	r	1013.55	669.33	137.00
ip3a			48.3	51.7	60.0	45.0	MI		Industrie	4.00	r	1120.62	673.60	137.00