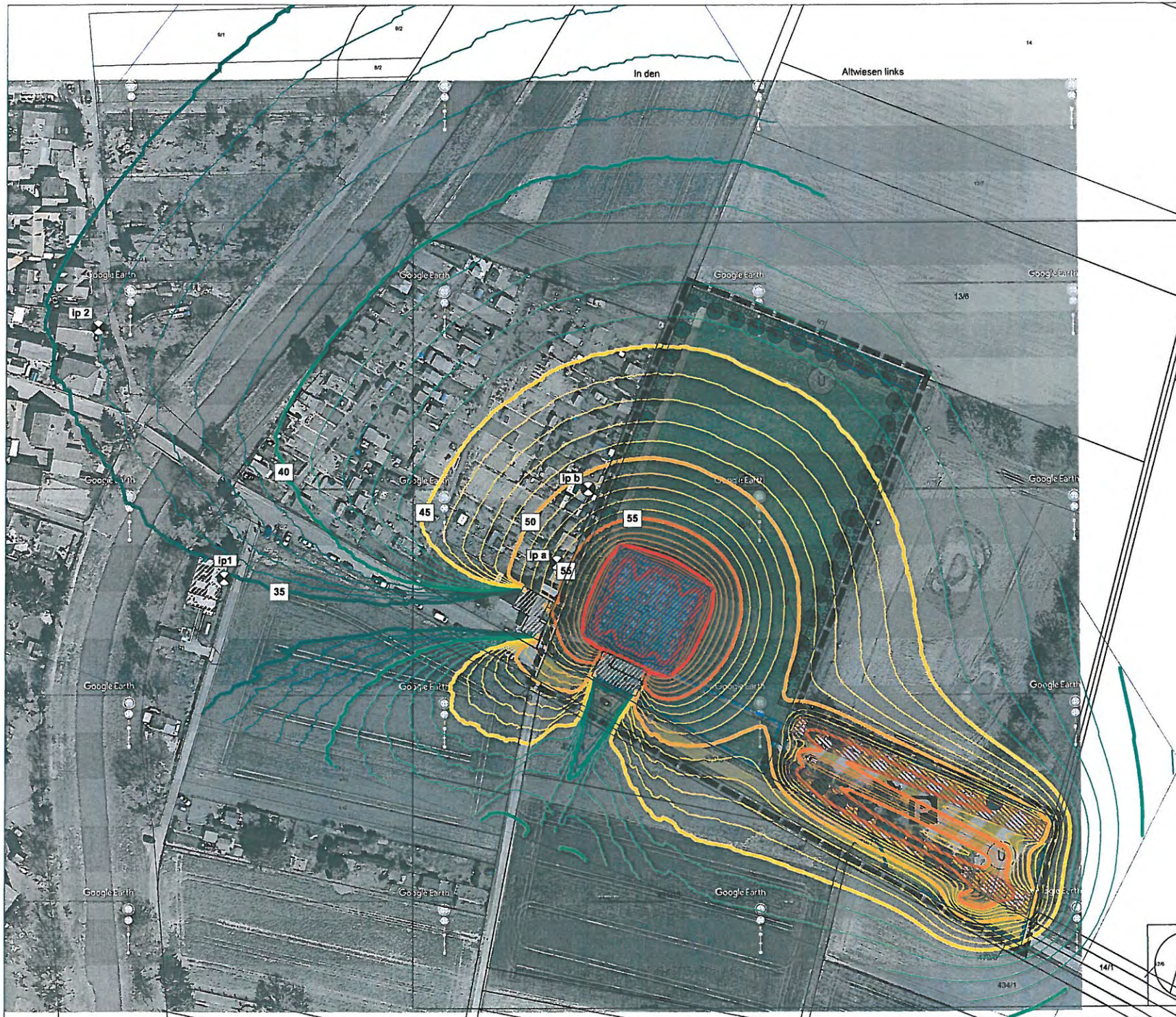




Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altwiesen"
Stadt Karben - ST Okarben

Geräuschimmissionen aus der
Nutzung der geplanten Petanqueanlage
mit 16 Boulebahnen

Prognoseberechnung Tageszeit
ausserhalb der Ruhezeiten der
Sportanlagen-Lärmschutzverordnung
werktags 8 - 20 Uhr

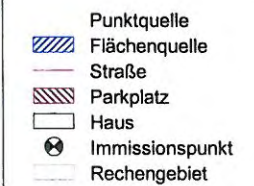
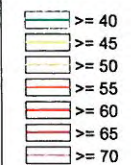
hier: Turnierbetrieb Samstags
36 Spieler zwischen 9 - 18 Uhr

Isophonendarstellung 2m ü.G.
("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung je Bahn
LWA= -85 dB(A)/1h inkl. KTon+3dB
(KTon gilt für den Nahbereich zur Anlage)

Parkplatz+Zufahrt nach RLS-90:
40 An- und 40 Abfahrten
+ 2x20 Fahrten Besucher/Zuschauer
[Luftbild copyright google earth]

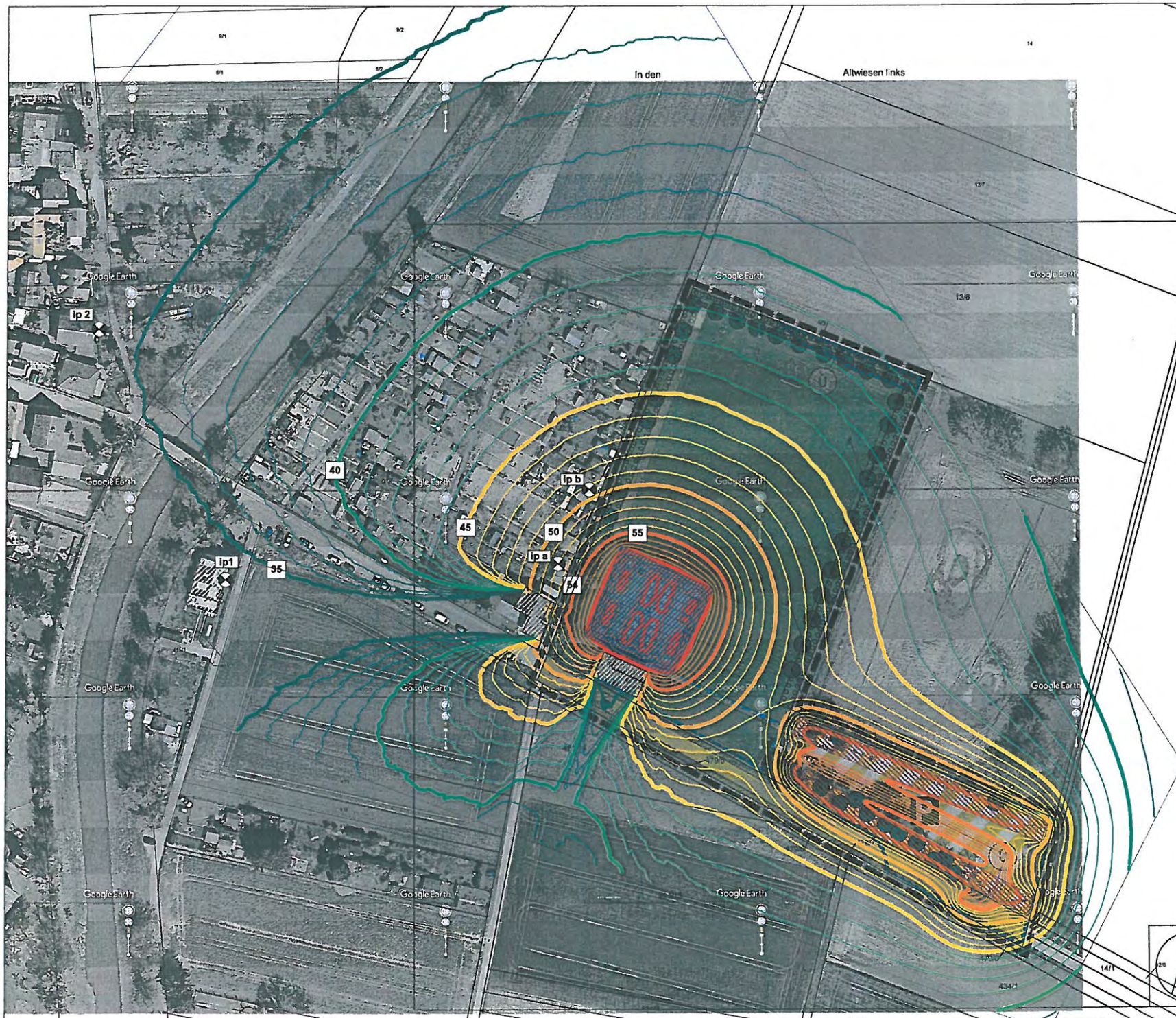


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Dezember 2018

Karte 1



Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altwiesen"
Stadt Karben - ST Okarben

Geräuschimmissionen aus der Nutzung der geplanten Petanqueanlage mit 16 Boulebahnen

Prognoseberechnung Tageszeit ausserhalb der Ruhezeiten der Sportanlagen-Lärmschutzverordnung werktags 8 - 20 Uhr

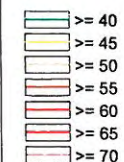
hier: Mini-Turnier Donnerstags 36 Spieler zwischen 18 - 20 Uhr

Isophonendarstellung 2m ü.G. ("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung je Bahn
 LWA= ~85 dB(A)/1h inkl. KTon+3dB
 (KTon gilt für den Nahbereich zur Anlage)

Parkplatz+Zufahrt nach RLS-90:
 40 Anfahrten + 20 Fahrten Besucher vor 18 Uhr
 (Luftbild copyright google earth)

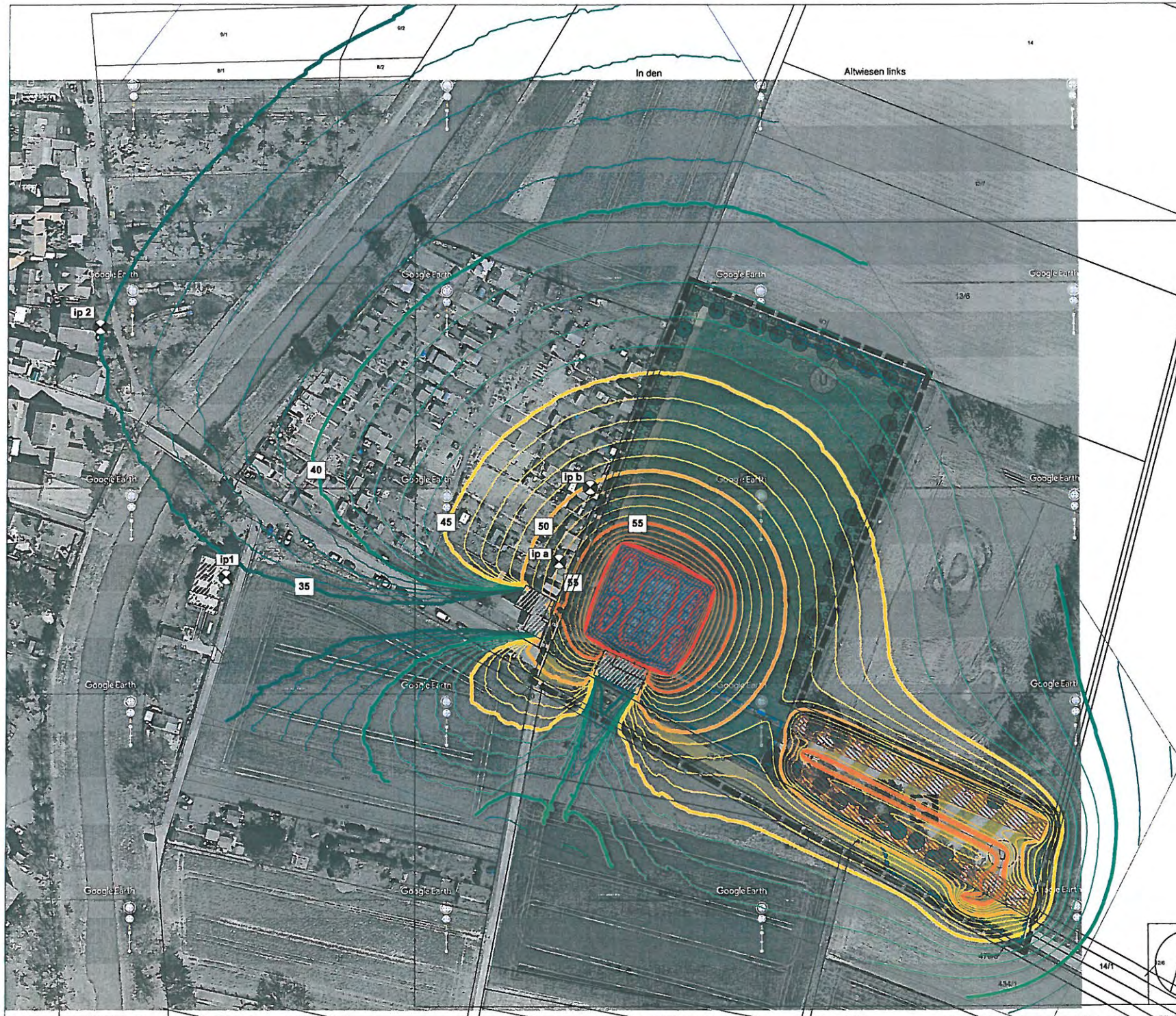


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 Fachbereich: tpz/rat/te

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Dezember 2018

Karte 2a



Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altiesen"
Stadt Karben - ST Okarben

Geräuschimmissionen aus der Nutzung der geplanten Petanqueanlage mit 16 Boulebahnen

Prognoseberechnung Tageszeit innerhalb der Ruhezeiten der Sportanlagen-Lärmschutzverordnung werktags 20 - 22 Uhr

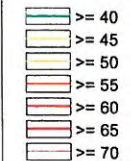
hier: Mini-Turnier Donnerstags 36 Spieler zwischen 20 - 22 Uhr

Isophonendarstellung 2m ü.G. ("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung je Bahn
 $LWA = -85 \text{ dB(A)/1h inkl. KTon} + 3 \text{ dB}$
 (KTON gilt für den Nahbereich zur Anlage)

Parkplatz+Zufahrt nach RLS-90:
 20 Fahrten Besucher im Zeitabschnitt
 [Luftbild copyright google earth]



- Punktquelle
- Flächenquelle
- Straße
- Parkplatz
- Haus
- Immissionspunkt
- Rechengebiet

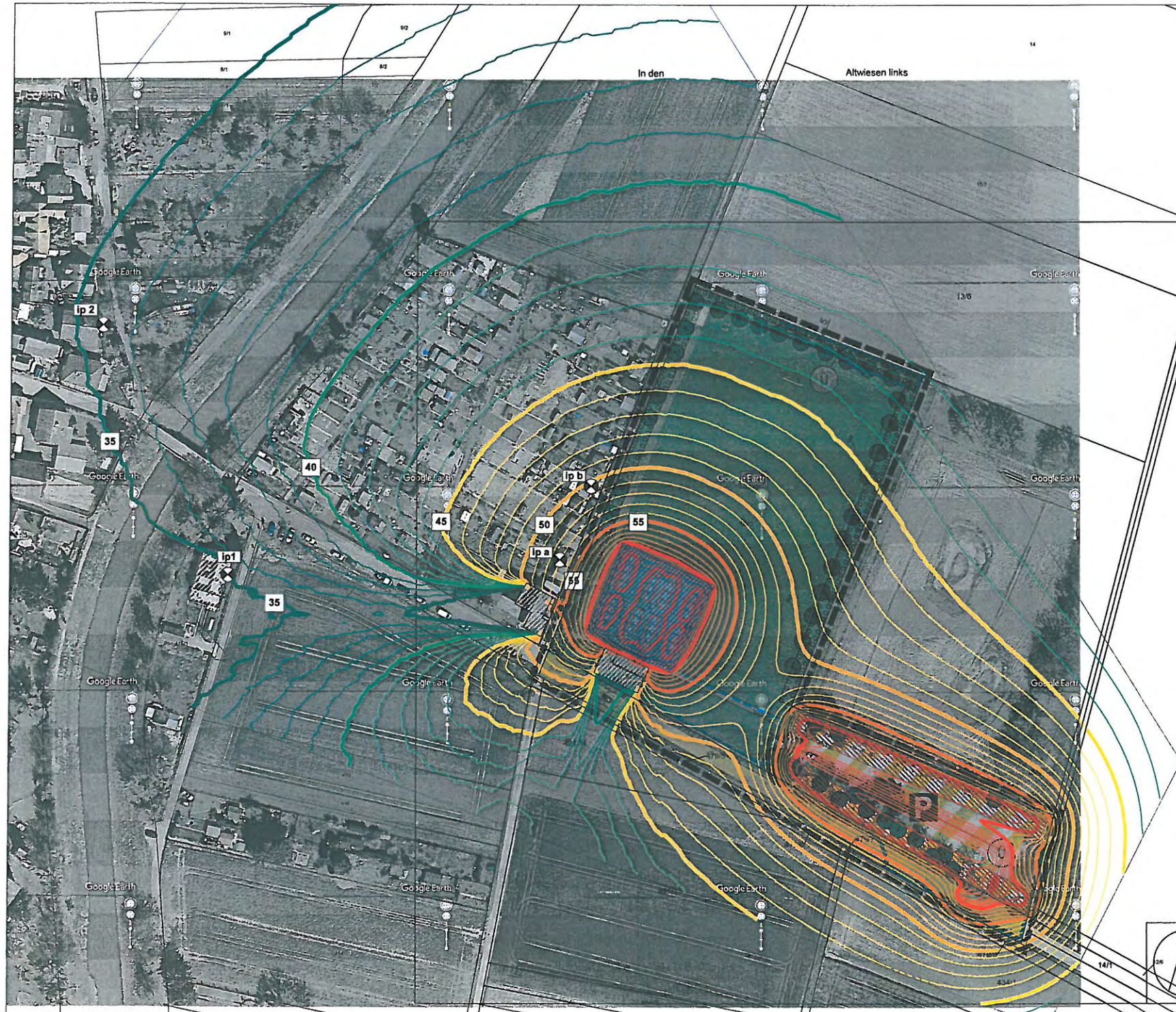
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Dezember 2018

Karte 2b



Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altweisen"
Stadt Karben - ST Okarben

Geräuschimmissionen aus der Nutzung der geplanten Petanqueanlage mit 16 Boulebahnen

Prognoseberechnung Nachtzeit ("ungünstigste Stunde") nach der Sportanlagen-Lärmschutzverordnung im Zeitraum 22 bis 6 Uhr

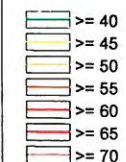
hier: Mini-Turnier Donnerstags
 36 Spieler zwischen 22 - 24 Uhr

Isophonendarstellung 2m ü.G.
 ("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung je Bahn
 LWA= ~85 dB(A)/1h inkl. KTon+3dB
 (KTon gilt für den Nahbereich zur Anlage)

Parkplatz+Zufahrt nach RLS-90:
 40 + 20 Abfahrten Spieler/Besucher
 nach Veranstaltungsende
 [Luftbild copyright google earth]



- Punktquelle
- Flächenquelle
- Straße
- Parkplatz
- Haus
- Immissionspunkt
- Rechengebiet

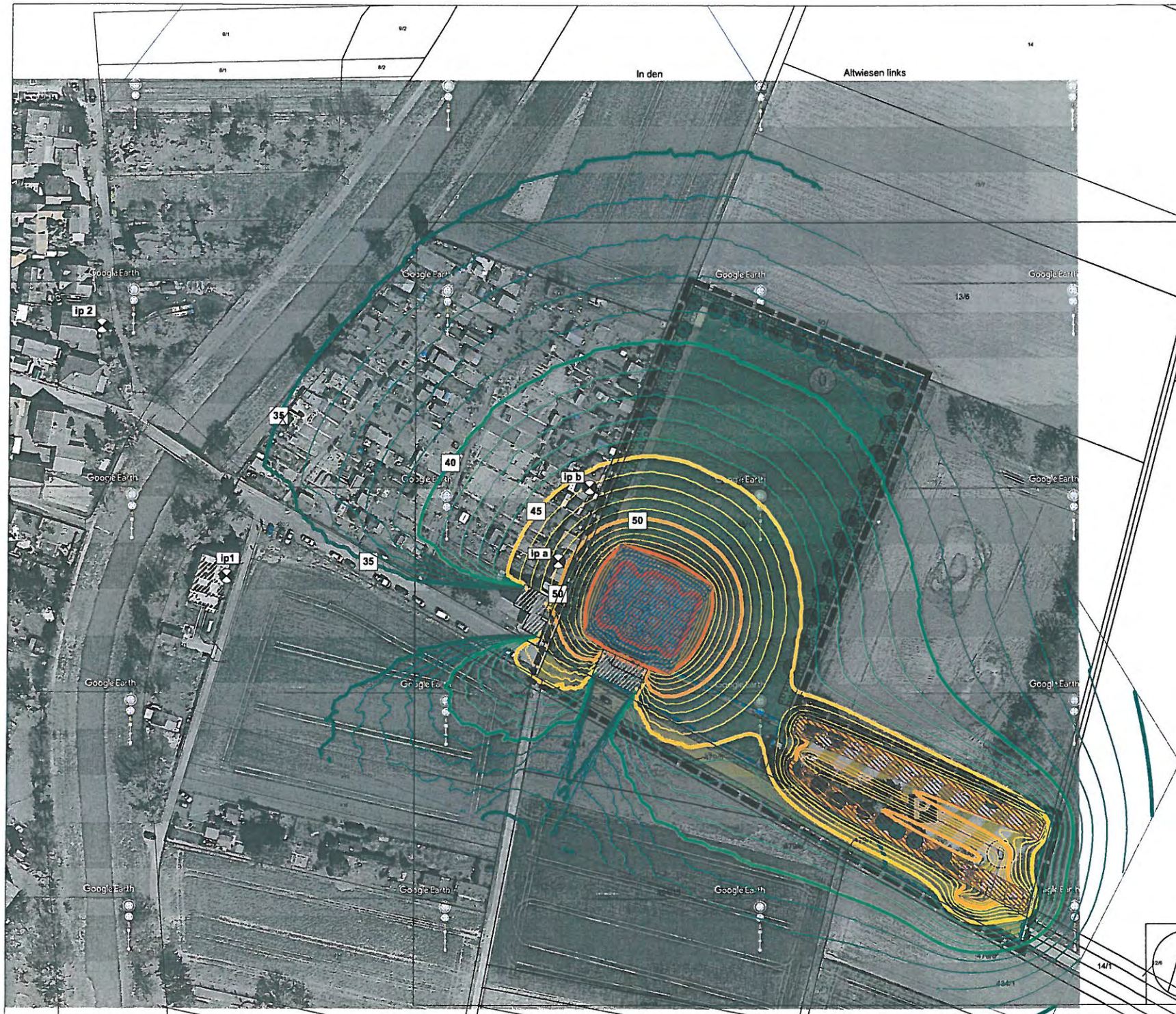
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 Umweltschutz, Luftreinhaltung

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Dezember 2018

Karte 2c



Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altiesen"
Stadt Karben - ST Okarben

Geräuschimmissionen aus der
 Nutzung der geplanten Petanqueanlage
 mit 16 Boulebahnen

Prognoseberechnung Tageszeit
 ausserhalb der Ruhezeiten der
 Sportanlagen-Lärmschutzverordnung
 werktags 8 - 20 Uhr

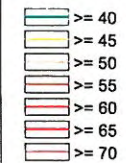
hier: Training Montags
 15 Spieler zwischen 18 - 20 Uhr

Isophonendarstellung 2m ü.G.
 ("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung je Bahn
 LWA= ~85 dB(A)/1h inkl. KTon+3dB
 (KTon gilt für den Nahbereich zur Anlage)

Parkplatz+Zufahrt nach RLS-90:
 20 Anfahrten Spieler+ Besucher
 vor 18 Uhr
 (Luftbild copyright google earth)



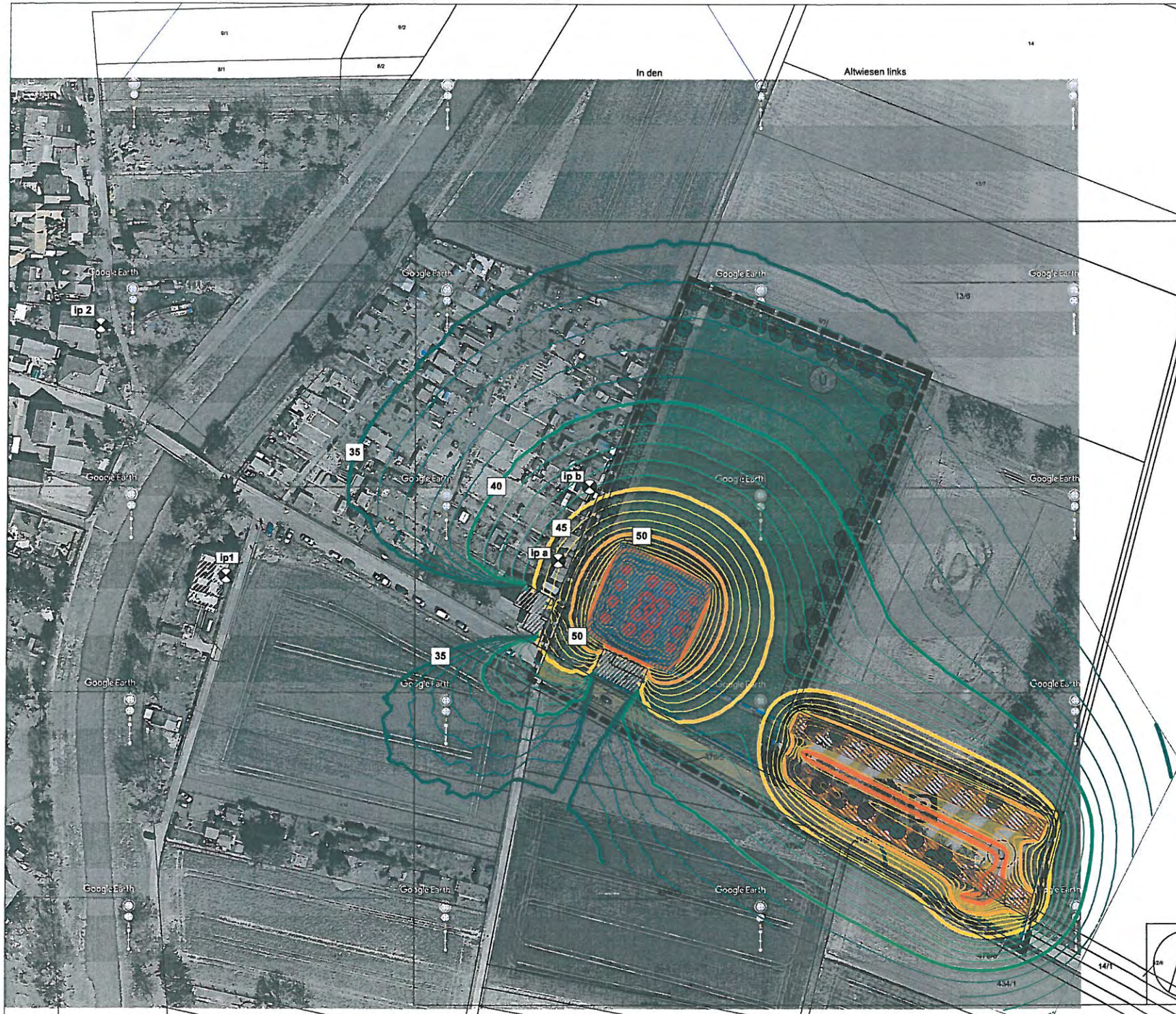
- Punktquelle
- Flächenquelle
- Straße
- Parkplatz
- Haus
- Immissionspunkt
- Rechengebiet

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Dezember 2018

Karte 3a



Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altwiesen"
Stadt Karben - ST Okarben

Geräuschimmissionen aus der
 Nutzung der geplanten Petanqueanlage
 mit 16 Boulebahnen

Prognoseberechnung Tageszeit
 innerhalb der Ruhezeiten der
 Sportanlagen-Lärmschutzverordnung
 werktags 20 - 22 Uhr

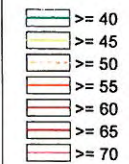
hier: Training Montags
 15 Spieler zwischen 20 - 21 Uhr

Isophonendarstellung 2m ü.G.
 ("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung je Bahn
 LWA= ~85 dB(A)/1h inkl. KTon+3dB
 (KTon gilt für den Nahbereich zur Anlage)

Parkplatz+Zufahrt nach RLS-90:
 20 Abfahrten Spieler+ Besucher
 nach 21 Uhr
 [Luftbild copyright google earth]



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Karte 3b



Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altwiesen"
Stadt Karben - ST Okarben

Geräuschimmissionen aus der
Nutzung der geplanten Petanqueanlage
mit 16 Boulebahnen

Prognoseberechnung
Spitzenpegel LAFmax

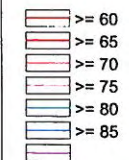
Isophonendarstellung 2m ü.G.
("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung
LWA= ~102 dB(A) inkl. KTon+3dB
(KTon gilt für den Nahbereich zur Anlage)
bei Zusammenschlagen der Kugel
(Wurftechnik "Schliessen")

Türenschiag Pkw LWA ~99 dB(A)

[Luftbild copyright google earth]



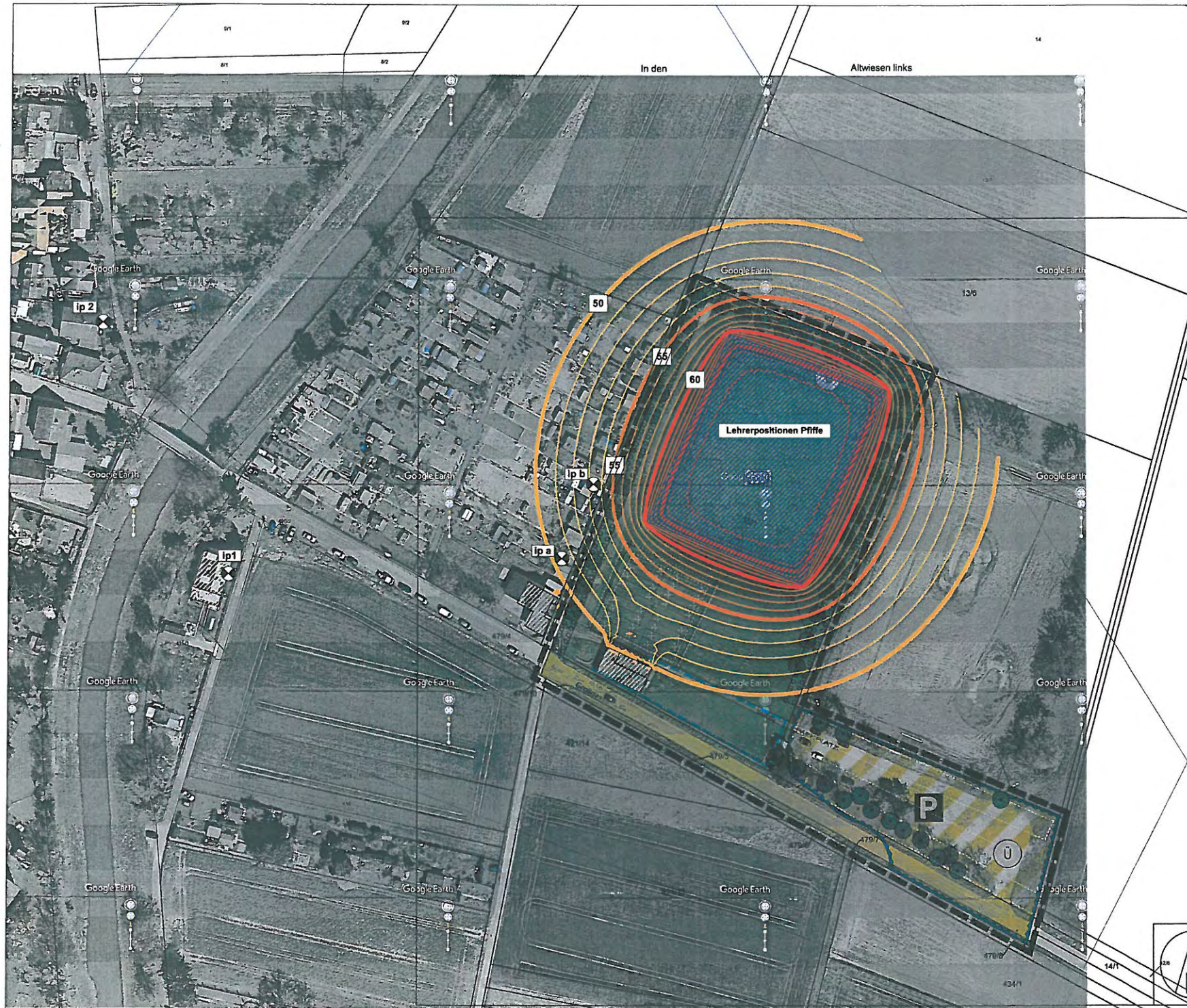
- Punktquelle
- Flächenquelle
- Straße
- Parkplatz
- Haus
- Immissionspunkt
- Rechengebiet

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Schallschutz-Experte

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Karte 4



Projekt Nr. P18056
Bebauungsplan Nr. 230
"Sportanlage Okarben-
In den Altwiesen"
Stadt Karben - ST Okarben

Geräuschimmissionen Schulsport
Prognoseberechnung für Schulsport
und AG's zwischen 8 und 16 Uhr

Isophonendarstellung 2m ü.G.
("Wohnaussenbereich")

Berechnungsgrundlage:

Emissionsleistung
Ordnungspflife Lehrer / Trainer
LWA ~ 113 dB(A), 20x/h
Schulsport (unspezifisch) wie
Bolzplatznutzung 3x 1.5h/
LWA ~ 101 dB(A) [n=25 Schüler]

[Luftbild copyright google earth]

>= 50
>= 55
>= 60
>= 65
>= 70

Punktquelle
Flächenquelle
Straße
Parkplatz
Haus
Immissionspunkt
Rechengebiet

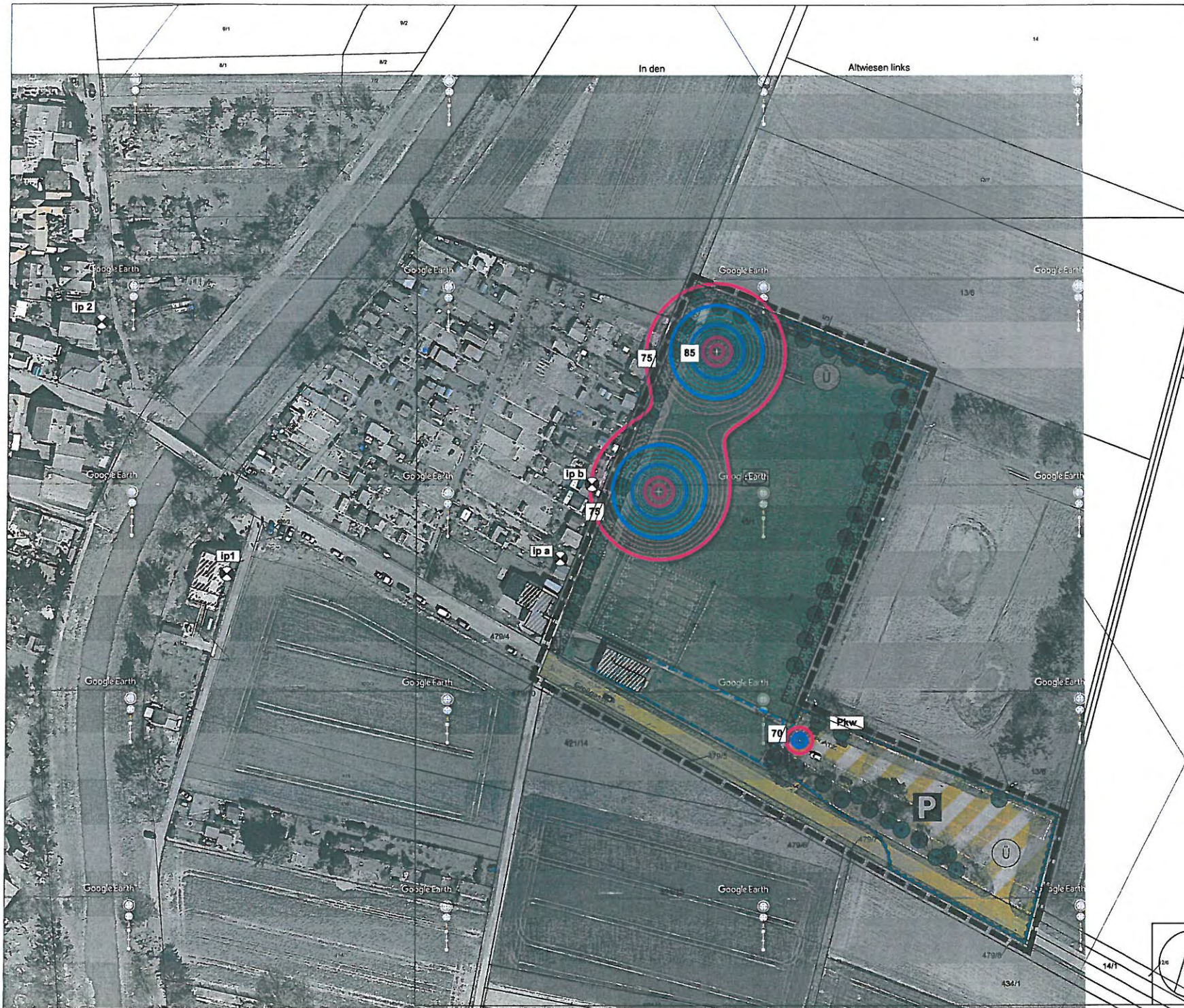
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Karte 5a



Projekt Nr. P18056
 Bebauungsplan Nr. 230
 "Sportanlage Okarben-
 In den Altiesen"
 Stadt Karben - ST Okarben

Geräuschimmissionen Schulsport
 Prognoseberechnung
 Spitzenpegel LAFmax

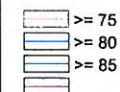
Isophonendarstellung 2m ü.G.
 ("Wohnaussebereich")

Berechnungsgrundlage:

Emissionsleistung
 Ordnungspfeife Lehrer / Trainer
 LWA= ~113 dB(A)

Türensclag Pkw LWA ~99 dB(A)

[Luftbild copyright google earth]



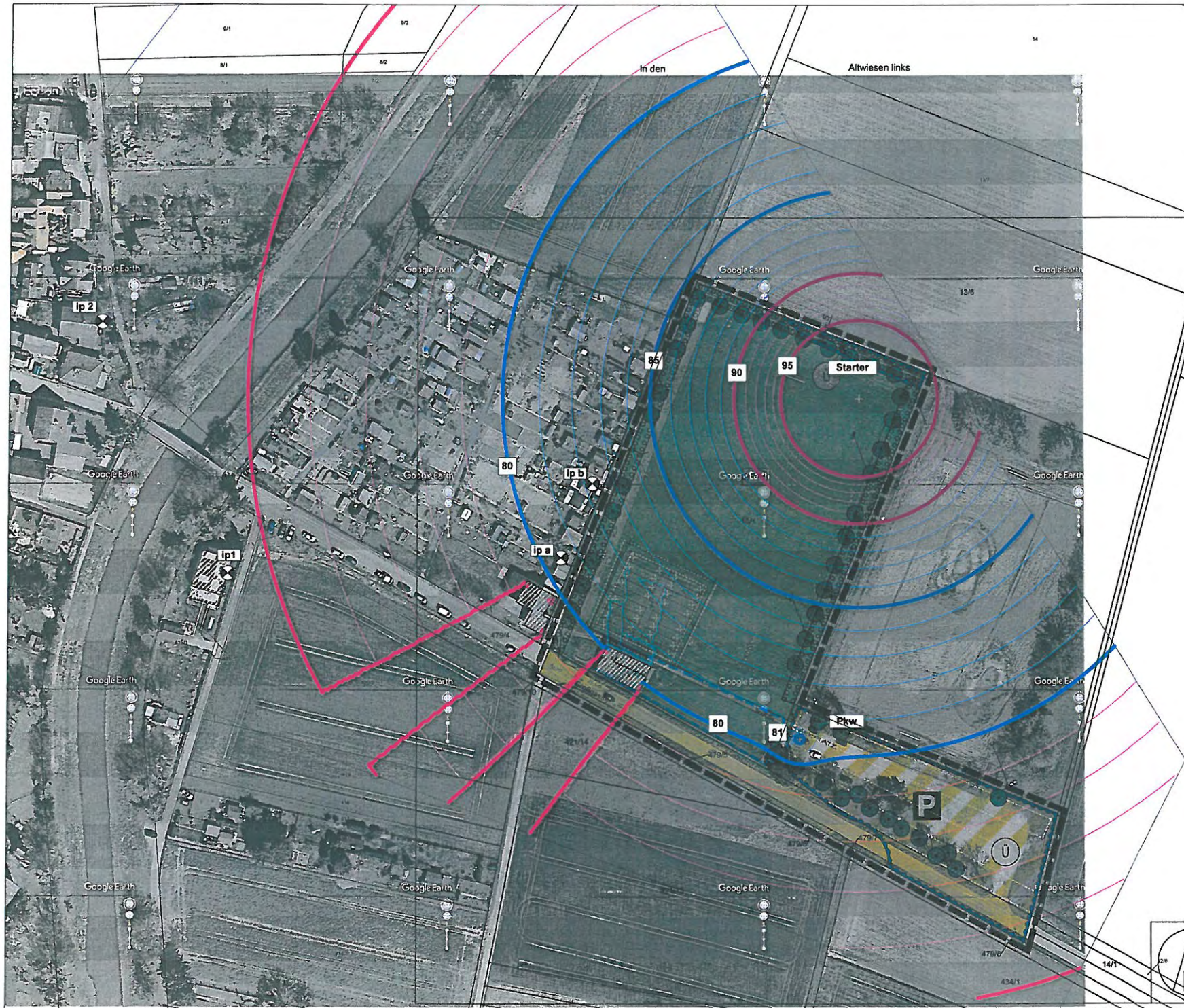
- Punktquelle
- Flächenquelle
- Straße
- Parkplatz
- Haus
- Immissionspunkt
- Rechengebiet

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Karte 5b



Projekt Nr. P18056
 Bebauungsplan Nr. 230
 "Sportanlage Okarben-
 In den Altwiesen"
 Stadt Karben - ST Okarben

Geräuschimmissionen Schulsport
 Prognoseberechnung
 Spitzenpegel LAFmax

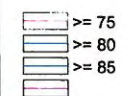
Isophonendarstellung 2m ü.G.
 ("Wohnaussehbereich")

Berechnungsgrundlage:

Emissionsleistung
 Pistolenstart Leichtathletik-Wettkämpfe
 LWA= -135 dB(A)

Türenschiag Pkw LWA -99 dB(A)

[Luftbild copyright google earth]



- Punktquelle
- Flächenquelle
- Straße
- Parkplatz
- Haus
- Immissionspunkt
- Rechengebiet

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Dezember 2018

Karte 5c

Bericht (progmod Sa adR neu.cna)

Gruppentabelle Tag und Nacht

Bezeichnung	Muster	Teilsuppenpegel			
		lp1	lp2	lpa	lpb
		Ld	Ld	Ld	Ld
Bouleanlage	BOU*	34.0	35.5	53.6	51.0
-> Spieler	BOUSPIELER	27.4	28.1	46.4	43.5
-> Schüsse	BOUSCHUESSE	32.8	34.5	52.7	50.1
-> Kugelticken	BOUKLICK	11.7	12.2	30.5	27.1
(ohne Namen)					
Parkplatzanlage	PP	23.7	20.9	29.2	28.6

Punktquellen

Bezeichnung	M.	ID	Schalleistung Lw			Lw / Li		Korrektur			Schalldämmung		Dämpfung	Einwirkzeit			K0	Freq.	Richtw.	Höhe	Koordinaten			
			Tag (dBA)	Abend (dBA)	Nacht (dBA)	Typ	Wert	norm. dB(A)	Tag dB(A)	Abend dB(A)	Nacht dB(A)	R		Fläche (m²)	Tag (min)	Ruhe (min)					Nacht (min)	(dB)	(Hz)	X (m)
Bahnpos 1a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1041.63	1403.46	114.10
Bahnpos 1b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1051.45	1398.65	114.10
Bahnpos 2a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1040.23	1399.95	114.10
Bahnpos 2b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1049.75	1396.84	114.10
Bahnpos 3a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1039.22	1396.95	114.10
Bahnpos 3b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1048.65	1392.64	114.10
Bahnpos 4a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1037.72	1394.34	114.10
Bahnpos 4b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1047.24	1389.43	114.10
Bahnpos 5a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1035.32	1388.33	114.10
Bahnpos 5b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1044.24	1384.22	114.10
Bahnpos 6a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1033.93	1385.28	114.10
Bahnpos 6b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1043.23	1381.21	114.10
Bahnpos 7a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1032.51	1382.31	114.10
Bahnpos 7b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1041.23	1378.10	114.10
Bahnpos 8a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1031.01	1379.01	114.10
Bahnpos 8b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1039.88	1375.20	114.10
Bahnpos 9a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1057.27	1396.04	114.10
Bahnpos 9b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1066.19	1391.73	114.10
Bahnpos 10a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1055.86	1393.24	114.10
Bahnpos 10b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1064.88	1388.73	114.10
Bahnpos 11a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1054.16	1390.13	114.10
Bahnpos 11b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1063.28	1386.22	114.10
Bahnpos 12a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1053.16	1386.82	114.10
Bahnpos 12b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1061.57	1382.81	114.10
Bahnpos 13a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1050.25	1381.31	114.10
Bahnpos 13b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1058.97	1377.20	114.10
Bahnpos 14a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1049.27	1378.26	114.10
Bahnpos 14b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1057.77	1374.09	114.10
Bahnpos 15a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1047.94	1375.20	114.10
Bahnpos 15b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1056.46	1371.29	114.10
Bahnpos 16a		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1046.64	1372.08	114.10
Bahnpos 16b		BOUSCHUESSE	102.0	99.0	99.0	Lw	BOULE	99.0	3.0	0.0	0.0				3.75	0.00	0.00	0.0	(keine)	0.10	r	1054.71	1368.18	114.10

horizontale Flächenquellen

Bezeichnung	M.	ID	Schalleistung Lw			Schalleistung Lw"			Lw / Li		Korrektur			Schalldämmung		Dämpfung	Einwirkzeit			K0	Freq.	Richtw.	Bew. Punktquellen			
			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)			Tag	Abend	Nacht
36 Spieler		BOUSPIELER	89.6	89.6	89.6	58.5	58.5	58.5	Lw	MODERATSPEC	89.6	0.0	0.0	0.0			540.00	0.00	0.00	0.0		(keine)				
Kugeltkick Fläche		BOUKLICK	78.0	75.0	75.0	48.5	45.5	45.5	Lw		75	3.0	0.0	0.0			180.00	0.00	0.00	0.0	500	(keine)				

Parkplätze

Bezeichnung	M.	ID	Typ	Lwa			Zähldaten						Zuschlag Art		Zuschlag Fahrb		Berechnung nach	Einwirkzeit			
				Tag	Ruhe	Nacht	Bezugsgr. B0	Anzahl B	Stollpl/BezGr f	Beweg/h/BezGr. N			Kpa	Parkplatzart	Kstro	Fahrbahnoberfl		Tag	Ruhe	Nacht	
				(dBA)	(dBA)	(dBA)				Tag	Ruhe	Nacht	(dB)		(dB)			(min)	(min)	(min)	
Parkplatz			PP	RLS	80,8	-51,8	-51,8		50	1,00	0,133	0,000	0,000	3,0	Gaststätte	2,5	Wassergebundene Decke (Kies)	LfU-Studie 2007			
Parkplatz			PP	RLS	80,8	-51,8	-51,8	1 Stallplatz	50	1,00	0,133	0,000	0,000	3,0	Gaststätte	2,5	Wassergebundene Decke (Kies)	LfU-Studie 2007			

Strassen

Bezeichnung	M.	ID	Lme			Zähldaten		genaue Zähldaten						zul. Geschw.		RQ	Straßenoberfl.		Steig.	Mehrfachrefl.		
			Tag	Abend	Nacht	DTV	Str.gaft.	M			p (%)			Pkw	Lkw	Abst.	Distro	Art		Drefl	Hbeb	Abst.
			(dBA)	(dBA)	(dBA)			Tag	Abend	Nacht	Tag	Abend	Nacht	(km/h)	(km/h)		(dB)		(%)	(dB)	(m)	(m)
Zufahrt PPlatz			PP	42.8	-5.8	-5.8		13.3	0.0	0.0	0.0	0.0	0.0	30		0.0	3.0	4	0.0	0.0		

Immissionspunkte

Bezeichnung	M.	ID	Pegel Lr		Richtwert	Nutzungsart			Höhe	Koordinaten			
			Ld	Ld		Gebiet	Auto	Lärmart		X	Y	Z	
			(dBA)	(dBA)									
lp1			34.4	60.0					5.80	r	894.35	1397.48	119.80
lp2			35.6	60.0					5.80	r	848.20	1488.15	119.80
lpa			53.7	55.0					2.00	r	1015.47	1403.36	116.00
lpb			51.0	55.0					2.00	r	1026.90	1430.42	116.00

Immissionspunkt

Bez.: ipa

ID:

X: 1015.47 m

Y: 1403.36 m

Z: 116.00 m

Flächenquelle nach ISO 9613, Bez: "36 Spieler", ID: "BOUSPIELER"

Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
9	1041.46	1378.85	115.40	0	D	63	31.9	18.9	-1.2	0.0	0.0	42.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.5
9	1041.46	1378.85	115.40	0	D	125	37.6	18.9	-1.2	0.0	0.0	42.1	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	13.5
9	1041.46	1378.85	115.40	0	D	250	45.5	18.9	-1.2	0.0	0.0	42.1	0.0	3.8	0.0	0.0	0.0	0.0	0.0	17.2
9	1041.46	1378.85	115.40	0	D	500	53.7	18.9	-1.2	0.0	0.0	42.1	0.1	1.9	0.0	0.0	0.0	0.0	0.0	27.3
9	1041.46	1378.85	115.40	0	D	1000	54.0	18.9	-1.2	0.0	0.0	42.1	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	30.0
9	1041.46	1378.85	115.40	0	D	2000	50.8	18.9	-1.2	0.0	0.0	42.1	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	27.0
9	1041.46	1378.85	115.40	0	D	4000	46.9	18.9	-1.2	0.0	0.0	42.1	1.2	-0.9	0.0	0.0	0.0	0.0	0.0	22.2
9	1041.46	1378.85	115.40	0	D	8000	39.1	18.9	-1.2	0.0	0.0	42.1	4.2	-0.9	0.0	0.0	0.0	0.0	0.0	11.4
12	1036.60	1374.63	115.40	0	D	63	31.9	15.9	-1.2	0.0	0.0	42.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.5
12	1036.60	1374.63	115.40	0	D	125	37.6	15.9	-1.2	0.0	0.0	42.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	10.5
12	1036.60	1374.63	115.40	0	D	250	45.5	15.9	-1.2	0.0	0.0	42.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	14.3
12	1036.60	1374.63	115.40	0	D	500	53.7	15.9	-1.2	0.0	0.0	42.0	0.1	1.9	0.0	0.0	0.0	0.0	0.0	24.3
12	1036.60	1374.63	115.40	0	D	1000	54.0	15.9	-1.2	0.0	0.0	42.0	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	27.0
12	1036.60	1374.63	115.40	0	D	2000	50.8	15.9	-1.2	0.0	0.0	42.0	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	24.0
12	1036.60	1374.63	115.40	0	D	4000	46.9	15.9	-1.2	0.0	0.0	42.0	1.2	-0.9	0.0	0.0	0.0	0.0	0.0	19.2
12	1036.60	1374.63	115.40	0	D	8000	39.1	15.9	-1.2	0.0	0.0	42.0	4.2	-0.9	0.0	0.0	0.0	0.0	0.0	8.4
16	1031.36	1377.13	115.40	0	D	63	31.9	15.9	-1.2	0.0	0.0	40.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.8
16	1031.36	1377.13	115.40	0	D	125	37.6	15.9	-1.2	0.0	0.0	40.7	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	11.9
16	1031.36	1377.13	115.40	0	D	250	45.5	15.9	-1.2	0.0	0.0	40.7	0.0	3.3	0.0	0.0	0.0	0.0	0.0	16.1
16	1031.36	1377.13	115.40	0	D	500	53.7	15.9	-1.2	0.0	0.0	40.7	0.1	1.6	0.0	0.0	0.0	0.0	0.0	25.9
16	1031.36	1377.13	115.40	0	D	1000	54.0	15.9	-1.2	0.0	0.0	40.7	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	28.4
16	1031.36	1377.13	115.40	0	D	2000	50.8	15.9	-1.2	0.0	0.0	40.7	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	25.3
16	1031.36	1377.13	115.40	0	D	4000	46.9	15.9	-1.2	0.0	0.0	40.7	1.0	-0.9	0.0	0.0	0.0	0.0	0.0	20.7
16	1031.36	1377.13	115.40	0	D	8000	39.1	15.9	-1.2	0.0	0.0	40.7	3.6	-0.9	0.0	0.0	0.0	0.0	0.0	10.3
19	1046.71	1376.35	115.40	0	D	63	31.9	18.9	-1.2	0.0	0.0	43.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	9.2
19	1046.71	1376.35	115.40	0	D	125	37.6	18.9	-1.2	0.0	0.0	43.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	12.2
19	1046.71	1376.35	115.40	0	D	250	45.5	18.9	-1.2	0.0	0.0	43.3	0.0	4.3	0.0	0.0	0.0	0.0	0.0	15.5
19	1046.71	1376.35	115.40	0	D	500	53.7	18.9	-1.2	0.0	0.0	43.3	0.1	2.2	0.0	0.0	0.0	0.0	0.0	25.8
19	1046.71	1376.35	115.40	0	D	1000	54.0	18.9	-1.2	0.0	0.0	43.3	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	28.7
19	1046.71	1376.35	115.40	0	D	2000	50.8	18.9	-1.2	0.0	0.0	43.3	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	25.6
19	1046.71	1376.35	115.40	0	D	4000	46.9	18.9	-1.2	0.0	0.0	43.3	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	20.8
19	1046.71	1376.35	115.40	0	D	8000	39.1	18.9	-1.2	0.0	0.0	43.3	4.8	-0.9	0.0	0.0	0.0	0.0	0.0	9.5
21	1049.72	1368.36	115.40	0	D	63	31.9	18.9	-1.2	0.0	0.0	44.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.8
21	1049.72	1368.36	115.40	0	D	125	37.6	18.9	-1.2	0.0	0.0	44.8	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	10.6
21	1049.72	1368.36	115.40	0	D	250	45.5	18.9	-1.2	0.0	0.0	44.8	0.1	4.9	0.0	0.0	0.0	0.0	0.0	13.4
21	1049.72	1368.36	115.40	0	D	500	53.7	18.9	-1.2	0.0	0.0	44.8	0.1	2.6	0.0	0.0	0.0	0.0	0.0	23.9
21	1049.72	1368.36	115.40	0	D	1000	54.0	18.9	-1.2	0.0	0.0	44.8	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	27.2
21	1049.72	1368.36	115.40	0	D	2000	50.8	18.9	-1.2	0.0	0.0	44.8	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	24.1
21	1049.72	1368.36	115.40	0	D	4000	46.9	18.9	-1.2	0.0	0.0	44.8	1.6	-0.9	0.0	0.0	0.0	0.0	0.0	19.1
21	1049.72	1368.36	115.40	0	D	8000	39.1	18.9	-1.2	0.0	0.0	44.8	5.7	-0.9	0.0	0.0	0.0	0.0	0.0	7.1
23	1036.59	1386.10	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	39.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	6.8
23	1036.59	1386.10	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	39.7	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	9.9
23	1036.59	1386.10	115.40	0	D	250	45.5	12.9	-1.2	0.0	0.0	39.7	0.0	3.0	0.0	0.0	0.0	0.0	0.0	14.4
23	1036.59	1386.10	115.40	0	D	500	53.7	12.9	-1.2	0.0	0.0	39.7	0.1	1.4	0.0	0.0	0.0	0.0	0.0	24.1
23	1036.59	1386.10	115.40	0	D	1000	54.0	12.9	-1.2	0.0	0.0	39.7	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	26.4
23	1036.59	1386.10	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	39.7	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	23.4
23	1036.59	1386.10	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	39.7	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	18.8
23	1036.59	1386.10	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	39.7	3.2	-0.9	0.0	0.0	0.0	0.0	0.0	8.7
26	1035.08	1390.09	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	38.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.1
26	1035.08	1390.09	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	38.5	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	11.2
26	1035.08	1390.09	115.40	0	D	250	45.5	12.9	-1.2	0.0	0.0	38.5	0.0	2.6	0.0	0.0	0.0	0.0	0.0	16.0
26	1035.08	1390.09	115.40	0	D	500	53.7	12.9	-1.2	0.0	0.0	38.5	0.0	1.2	0.0	0.0	0.0	0.0	0.0	25.6
26	1035.08	1390.09	115.40	0	D	1000	54.0	12.9	-1.2	0.0	0.0	38.5	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	27.7
26	1035.08	1390.09	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	38.5	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.6
26	1035.08	1390.09	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	38.5	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	20.2
26	1035.08	1390.09	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	38.5	2.8	-0.9	0.0	0.0	0.0	0.0	0.0	10.4
30	1041.08	1385.59	115.40	0	D	63	31.9	15.9	-1.2	0.0	0.0	40.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.7

Flächenquelle nach ISO 9613, Bez: "36 Spieler", ID: "BOUSPIELER"																					
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	EinwZeit	K0	Di	Adiv	Aatm	Agf	Afol	Ahaus	Abar	Cmet	RV	Lr	
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	
30	1041.08	1385.59	115.40	0	D	125	37.6	15.9	-1.2	0.0	0.0	40.9	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	11.7	
30	1041.08	1385.59	115.40	0	D	250	45.5	15.9	-1.2	0.0	0.0	40.9	0.0	3.4	0.0	0.0	0.0	0.0	0.0	15.9	
30	1041.08	1385.59	115.40	0	D	500	53.7	15.9	-1.2	0.0	0.0	40.9	0.1	1.7	0.0	0.0	0.0	0.0	0.0	25.8	
30	1041.08	1385.59	115.40	0	D	1000	54.0	15.9	-1.2	0.0	0.0	40.9	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	28.2	
30	1041.08	1385.59	115.40	0	D	2000	50.8	15.9	-1.2	0.0	0.0	40.9	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	25.2	
30	1041.08	1385.59	115.40	0	D	4000	46.9	15.9	-1.2	0.0	0.0	40.9	1.0	-0.9	0.0	0.0	0.0	0.0	0.0	20.6	
30	1041.08	1385.59	115.40	0	D	8000	39.1	15.9	-1.2	0.0	0.0	40.9	3.6	-0.9	0.0	0.0	0.0	0.0	0.0	10.1	
33	1032.84	1384.61	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	39.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.4	
33	1032.84	1384.61	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	39.2	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	10.5	
33	1032.84	1384.61	115.40	0	D	250	45.5	12.9	-1.2	0.0	0.0	39.2	0.0	2.8	0.0	0.0	0.0	0.0	0.0	15.2	
33	1032.84	1384.61	115.40	0	D	500	53.7	12.9	-1.2	0.0	0.0	39.2	0.0	1.3	0.0	0.0	0.0	0.0	0.0	24.8	
33	1032.84	1384.61	115.40	0	D	1000	54.0	12.9	-1.2	0.0	0.0	39.2	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	27.0	
33	1032.84	1384.61	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	39.2	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	23.9	
33	1032.84	1384.61	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	39.2	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	19.5	
33	1032.84	1384.61	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	39.2	3.0	-0.9	0.0	0.0	0.0	0.0	0.0	9.5	
36	1031.34	1388.60	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	37.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.8	
36	1031.34	1388.60	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	37.7	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	12.0	
36	1031.34	1388.60	115.40	0	D	250	45.5	12.9	-1.2	0.0	0.0	37.7	0.0	2.4	0.0	0.0	0.0	0.0	0.0	17.0	
36	1031.34	1388.60	115.40	0	D	500	53.7	12.9	-1.2	0.0	0.0	37.7	0.0	1.0	0.0	0.0	0.0	0.0	0.0	26.5	
36	1031.34	1388.60	115.40	0	D	1000	54.0	12.9	-1.2	0.0	0.0	37.7	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	28.5	
36	1031.34	1388.60	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	37.7	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	25.4	
36	1031.34	1388.60	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	37.7	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	21.0	
36	1031.34	1388.60	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	37.7	2.5	-0.9	0.0	0.0	0.0	0.0	0.0	11.4	
38	1029.85	1381.13	115.40	0	D	63	31.9	15.9	-1.2	0.0	0.0	39.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.1	
38	1029.85	1381.13	115.40	0	D	125	37.6	15.9	-1.2	0.0	0.0	39.5	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	13.2	
38	1029.85	1381.13	115.40	0	D	250	45.5	15.9	-1.2	0.0	0.0	39.5	0.0	2.9	0.0	0.0	0.0	0.0	0.0	17.8	
38	1029.85	1381.13	115.40	0	D	500	53.7	15.9	-1.2	0.0	0.0	39.5	0.1	1.4	0.0	0.0	0.0	0.0	0.0	27.5	
38	1029.85	1381.13	115.40	0	D	1000	54.0	15.9	-1.2	0.0	0.0	39.5	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	29.7	
38	1029.85	1381.13	115.40	0	D	2000	50.8	15.9	-1.2	0.0	0.0	39.5	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	26.6	
38	1029.85	1381.13	115.40	0	D	4000	46.9	15.9	-1.2	0.0	0.0	39.5	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	22.1	
38	1029.85	1381.13	115.40	0	D	8000	39.1	15.9	-1.2	0.0	0.0	39.5	3.1	-0.9	0.0	0.0	0.0	0.0	0.0	12.1	
42	1038.07	1393.57	115.40	0	D	63	31.9	15.9	-1.2	0.0	0.0	38.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.7	
42	1038.07	1393.57	115.40	0	D	125	37.6	15.9	-1.2	0.0	0.0	38.8	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	13.9	
42	1038.07	1393.57	115.40	0	D	250	45.5	15.9	-1.2	0.0	0.0	38.8	0.0	2.7	0.0	0.0	0.0	0.0	0.0	18.6	
42	1038.07	1393.57	115.40	0	D	500	53.7	15.9	-1.2	0.0	0.0	38.8	0.0	1.3	0.0	0.0	0.0	0.0	0.0	28.2	
42	1038.07	1393.57	115.40	0	D	1000	54.0	15.9	-1.2	0.0	0.0	38.8	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	30.4	
42	1038.07	1393.57	115.40	0	D	2000	50.8	15.9	-1.2	0.0	0.0	38.8	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	27.3	
42	1038.07	1393.57	115.40	0	D	4000	46.9	15.9	-1.2	0.0	0.0	38.8	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	22.8	
42	1038.07	1393.57	115.40	0	D	8000	39.1	15.9	-1.2	0.0	0.0	38.8	2.9	-0.9	0.0	0.0	0.0	0.0	0.0	12.9	
44	1043.32	1391.06	115.40	0	D	63	31.9	15.9	-1.2	0.0	0.0	40.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.9	
44	1043.32	1391.06	115.40	0	D	125	37.6	15.9	-1.2	0.0	0.0	40.7	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	11.9	
44	1043.32	1391.06	115.40	0	D	250	45.5	15.9	-1.2	0.0	0.0	40.7	0.0	3.3	0.0	0.0	0.0	0.0	0.0	16.1	
44	1043.32	1391.06	115.40	0	D	500	53.7	15.9	-1.2	0.0	0.0	40.7	0.1	1.6	0.0	0.0	0.0	0.0	0.0	26.0	
44	1043.32	1391.06	115.40	0	D	1000	54.0	15.9	-1.2	0.0	0.0	40.7	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	28.5	
44	1043.32	1391.06	115.40	0	D	2000	50.8	15.9	-1.2	0.0	0.0	40.7	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	25.4	
44	1043.32	1391.06	115.40	0	D	4000	46.9	15.9	-1.2	0.0	0.0	40.7	1.0	-0.9	0.0	0.0	0.0	0.0	0.0	20.8	
44	1043.32	1391.06	115.40	0	D	8000	39.1	15.9	-1.2	0.0	0.0	40.7	3.6	-0.9	0.0	0.0	0.0	0.0	0.0	10.4	
50	1038.44	1398.31	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	38.4	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.1	
50	1038.44	1398.31	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	38.4	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	11.3	
50	1038.44	1398.31	115.40	0	D	250	45.5	12.9	-1.2	0.0	0.0	38.4	0.0	2.6	0.0	0.0	0.0	0.0	0.0	16.1	
50	1038.44	1398.31	115.40	0	D	500	53.7	12.9	-1.2	0.0	0.0	38.4	0.0	1.2	0.0	0.0	0.0	0.0	0.0	25.7	
50	1038.44	1398.31	115.40	0	D	1000	54.0	12.9	-1.2	0.0	0.0	38.4	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	27.8	
50	1038.44	1398.31	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	38.4	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.7	
50	1038.44	1398.31	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	38.4	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	20.2	
50	1038.44	1398.31	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	38.4	2.7	-0.9	0.0	0.0	0.0	0.0	0.0	10.5	
52	1034.70	1396.82	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	37.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	9.4	
52	1034.70	1396.82	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	37.2	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	12.6	
52	1034.70	1396.82	115.40	0	D	250	45.5	12.9	-1.2	0.0	0.0	37.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	17.8	
52	1034.70	1396.82	115.40	0	D	500	53.7	12.9	-1.2	0.0	0.0	37.2	0.0	0.9	0.0	0.0	0.0	0.0	0.0	27.2	
52	1034.70	1396.82	115.40	0	D	1000	54.0	12.9	-1.2	0.0	0.0	37.2	0.1	-0.7	0.0	0.0	0.0	0.0	0.0	29.1	
52	1034.70	1396.82	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	37.2	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	26.0	
52	1034.70	1396.82	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	37.2	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	21.6	
52	1034.70	1396.82	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	37.2	2.4	-0.9	0.0	0.0	0.0	0.0	0.0	12.1	
54	1039.56	1401.05	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	38.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.9	
54	1039.56	1401.05	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	38.7	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	11.0	
54	1039.56	1401.05</																			

Flächenquelle nach ISO 9613, Bez: "36 Spieler", ID: "BOUSPIELER"

Nr.	X (m)	Y (m)	Z (m)	Ref.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	EinwZeit dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahaus (dB)	Abar (dB)	Cmet (dB)	RV (dB)	Lr dB(A)
54	1039.56	1401.05	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	38.7	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.4
54	1039.56	1401.05	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	38.7	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	20.0
54	1039.56	1401.05	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	38.7	2.8	-0.9	0.0	0.0	0.0	0.0	0.0	10.1
56	1038.06	1405.04	115.40	0	D	63	31.9	12.9	-1.2	0.0	0.0	38.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.4
56	1038.06	1405.04	115.40	0	D	125	37.6	12.9	-1.2	0.0	0.0	38.1	0.0	-0.5	0.0	0.0	0.0	0.0	0.0	11.6
56	1038.06	1405.04	115.40	0	D	250	45.5	12.9	-1.2	0.0	0.0	38.1	0.0	2.5	0.0	0.0	0.0	0.0	0.0	16.5
56	1038.06	1405.04	115.40	0	D	500	53.7	12.9	-1.2	0.0	0.0	38.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	26.1
56	1038.06	1405.04	115.40	0	D	1000	54.0	12.9	-1.2	0.0	0.0	38.1	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	28.1
56	1038.06	1405.04	115.40	0	D	2000	50.8	12.9	-1.2	0.0	0.0	38.1	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	25.0
56	1038.06	1405.04	115.40	0	D	4000	46.9	12.9	-1.2	0.0	0.0	38.1	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.6
56	1038.06	1405.04	115.40	0	D	8000	39.1	12.9	-1.2	0.0	0.0	38.1	2.6	-0.9	0.0	0.0	0.0	0.0	0.0	10.9
62	1049.59	1367.90	115.40	1	D	1000	54.0	17.9	-1.2	0.0	0.0	45.5	0.2	-0.4	0.0	0.0	0.0	0.0	1.0	24.4
62	1049.59	1367.90	115.40	1	D	2000	50.8	17.9	-1.2	0.0	0.0	45.5	0.5	-0.9	0.0	0.0	0.0	0.0	1.0	21.3
62	1049.59	1367.90	115.40	1	D	4000	46.9	17.9	-1.2	0.0	0.0	45.5	1.7	-0.9	0.0	0.0	0.0	0.0	1.0	16.2
62	1049.59	1367.90	115.40	1	D	8000	39.1	17.9	-1.2	0.0	0.0	45.5	6.2	-0.9	0.0	0.0	0.0	0.0	1.0	3.9
65	1045.25	1372.26	115.40	1	D	1000	54.0	17.2	-1.2	0.0	0.0	44.9	0.2	-0.5	0.0	0.0	0.0	0.0	1.0	24.3
65	1045.25	1372.26	115.40	1	D	2000	50.8	17.2	-1.2	0.0	0.0	44.9	0.5	-0.9	0.0	0.0	0.0	0.0	1.0	21.3
65	1045.25	1372.26	115.40	1	D	4000	46.9	17.2	-1.2	0.0	0.0	44.9	1.6	-0.9	0.0	0.0	0.0	0.0	1.0	16.2
65	1045.25	1372.26	115.40	1	D	8000	39.1	17.2	-1.2	0.0	0.0	44.9	5.8	-0.9	0.0	0.0	0.0	0.0	1.0	4.3
67	1051.45	1366.42	115.40	1	D	250	45.5	15.9	-1.2	0.0	0.0	46.4	0.1	5.5	0.0	0.0	6.2	0.0	1.0	1.0
67	1051.45	1366.42	115.40	1	D	500	53.7	15.9	-1.2	0.0	0.0	46.4	0.1	2.9	0.0	0.0	12.1	0.0	1.0	5.8
67	1051.45	1366.42	115.40	1	D	1000	54.0	15.9	-1.2	0.0	0.0	46.4	0.2	-0.4	0.0	0.0	19.7	0.0	1.0	1.8
70	1054.16	1392.52	115.40	0	D	63	31.9	19.2	-1.2	0.0	0.0	43.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	9.8
70	1054.16	1392.52	115.40	0	D	125	37.6	19.2	-1.2	0.0	0.0	43.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	12.7
70	1054.16	1392.52	115.40	0	D	250	45.5	19.2	-1.2	0.0	0.0	43.1	0.0	4.2	0.0	0.0	0.0	0.0	0.0	16.1
70	1054.16	1392.52	115.40	0	D	500	53.7	19.2	-1.2	0.0	0.0	43.1	0.1	2.2	0.0	0.0	0.0	0.0	0.0	26.4
70	1054.16	1392.52	115.40	0	D	1000	54.0	19.2	-1.2	0.0	0.0	43.1	0.1	-0.5	0.0	0.0	0.0	0.0	0.0	29.3
70	1054.16	1392.52	115.40	0	D	2000	50.8	19.2	-1.2	0.0	0.0	43.1	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	26.2
70	1054.16	1392.52	115.40	0	D	4000	46.9	19.2	-1.2	0.0	0.0	43.1	1.3	-0.9	0.0	0.0	0.0	0.0	0.0	21.4
70	1054.16	1392.52	115.40	0	D	8000	39.1	19.2	-1.2	0.0	0.0	43.1	4.7	-0.9	0.0	0.0	0.0	0.0	0.0	10.2
72	1062.38	1395.22	115.40	0	D	63	31.9	19.2	-1.2	0.0	0.0	44.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.3
72	1062.38	1395.22	115.40	0	D	125	37.6	19.2	-1.2	0.0	0.0	44.6	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	11.2
72	1062.38	1395.22	115.40	0	D	250	45.5	19.2	-1.2	0.0	0.0	44.6	0.0	4.8	0.0	0.0	0.0	0.0	0.0	14.1
72	1062.38	1395.22	115.40	0	D	500	53.7	19.2	-1.2	0.0	0.0	44.6	0.1	2.5	0.0	0.0	0.0	0.0	0.0	24.5
72	1062.38	1395.22	115.40	0	D	1000	54.0	19.2	-1.2	0.0	0.0	44.6	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	27.7
72	1062.38	1395.22	115.40	0	D	2000	50.8	19.2	-1.2	0.0	0.0	44.6	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	24.7
72	1062.38	1395.22	115.40	0	D	4000	46.9	19.2	-1.2	0.0	0.0	44.6	1.6	-0.9	0.0	0.0	0.0	0.0	0.0	19.7
72	1062.38	1395.22	115.40	0	D	8000	39.1	19.2	-1.2	0.0	0.0	44.6	5.6	-0.9	0.0	0.0	0.0	0.0	0.0	7.9
80	1049.85	1397.83	115.40	0	D	63	31.9	16.2	-1.2	0.0	0.0	41.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.0
80	1049.85	1397.83	115.40	0	D	125	37.6	16.2	-1.2	0.0	0.0	41.8	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	11.0
80	1049.85	1397.83	115.40	0	D	250	45.5	16.2	-1.2	0.0	0.0	41.8	0.0	3.7	0.0	0.0	0.0	0.0	0.0	14.9
80	1049.85	1397.83	115.40	0	D	500	53.7	16.2	-1.2	0.0	0.0	41.8	0.1	1.9	0.0	0.0	0.0	0.0	0.0	24.9
80	1049.85	1397.83	115.40	0	D	1000	54.0	16.2	-1.2	0.0	0.0	41.8	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	27.6
80	1049.85	1397.83	115.40	0	D	2000	50.8	16.2	-1.2	0.0	0.0	41.8	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	24.5
80	1049.85	1397.83	115.40	0	D	4000	46.9	16.2	-1.2	0.0	0.0	41.8	1.1	-0.9	0.0	0.0	0.0	0.0	0.0	19.8
80	1049.85	1397.83	115.40	0	D	8000	39.1	16.2	-1.2	0.0	0.0	41.8	4.1	-0.9	0.0	0.0	0.0	0.0	0.0	9.1
84	1047.24	1392.48	115.40	0	D	63	31.9	16.2	-1.2	0.0	0.0	41.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.3
84	1047.24	1392.48	115.40	0	D	125	37.6	16.2	-1.2	0.0	0.0	41.5	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	11.3
84	1047.24	1392.48	115.40	0	D	250	45.5	16.2	-1.2	0.0	0.0	41.5	0.0	3.6	0.0	0.0	0.0	0.0	0.0	15.3
84	1047.24	1392.48	115.40	0	D	500	53.7	16.2	-1.2	0.0	0.0	41.5	0.1	1.8	0.0	0.0	0.0	0.0	0.0	25.3
84	1047.24	1392.48	115.40	0	D	1000	54.0	16.2	-1.2	0.0	0.0	41.5	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	27.9
84	1047.24	1392.48	115.40	0	D	2000	50.8	16.2	-1.2	0.0	0.0	41.5	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	24.8
84	1047.24	1392.48	115.40	0	D	4000	46.9	16.2	-1.2	0.0	0.0	41.5	1.1	-0.9	0.0	0.0	0.0	0.0	0.0	20.1
84	1047.24	1392.48	115.40	0	D	8000	39.1	16.2	-1.2	0.0	0.0	41.5	3.9	-0.9	0.0	0.0	0.0	0.0	0.0	9.5
88	1048.35	1401.82	115.40	0	D	63	31.9	16.2	-1.2	0.0	0.0	41.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.5
88	1048.35	1401.82	115.40	0	D	125	37.6	16.2	-1.2	0.0	0.0	41.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	11.5
88	1048.35	1401.82	115.40	0	D	250	45.5	16.2	-1.2	0.0	0.0	41.3	0.0	3.6	0.0	0.0	0.0	0.0	0.0	15.5
88	1048.35	1401.82	115.40	0	D	500	53.7	16.2	-1.2	0.0	0.0	41.3	0.1	1.8	0.0	0.0	0.0	0.0	0.0	25.5
88	1048.35	1401.82	115.40	0	D	1000	54.0	16.2	-1.2	0.0	0.0	41.3	0.1	-0.6	0.0	0.0	0.0	0.0	0.0	28.1
88	1048.35	1401.82	115.40	0	D	2000	50.8	16.2	-1.2	0.0	0.0	41.3	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	25.0
88	1048.35	1401.82	115.40	0	D	4000	46.9	16.2	-1.2	0.0	0.0	41.3	1.1	-0.9	0.0	0.0	0.0	0.0	0.0	20.3
88	1048.35	1401.82	115.40	0	D	8000	39.1	16.2	-1.2	0.0	0.0	41.3	3.8	-0.9	0.0	0.0	0.0	0.0	0.0	9.8
91	1042.73	1404.46	115.40	0	D	63	31.9	16.2	-1.2	0.0	0.0	39.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	10.1
91	1042.73	1404.46	115.40	0	D	125	37.6	16.2	-1.2	0.0	0.0	39.7	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	13.2
91	1042.73	1404.46	115.40	0	D	250	45.5	16.2	-1.2	0.0	0.0	39.7	0.0	3.0	0.0	0.0	0.0	0.0	0.0	17.7
91	1042.73	1404.46	115.40	0	D	500	53.7	16.2	-1.2	0.0	0.0	39.7	0.1	1.4	0.0	0.0	0.0	0.0	0.0	27.5
91	1042.73	1404.46	115.40	0	D	1000	54.													

Flächenquelle nach ISO 9613, Bez: "36 Spieler", ID: "BOUSPIELER"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
91	1042.73	1404.46	115.40	0	D	4000	46.9	16.2	-1.2	0.0	0.0	39.7	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	22.1
91	1042.73	1404.46	115.40	0	D	8000	39.1	16.2	-1.2	0.0	0.0	39.7	3.2	-0.9	0.0	0.0	0.0	0.0	0.0	12.1
93	1057.17	1384.53	115.40	0	D	63	31.9	19.2	-1.2	0.0	0.0	44.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.7
93	1057.17	1384.53	115.40	0	D	125	37.6	19.2	-1.2	0.0	0.0	44.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	11.5
93	1057.17	1384.53	115.40	0	D	250	45.5	19.2	-1.2	0.0	0.0	44.2	0.0	4.6	0.0	0.0	0.0	0.0	0.0	14.6
93	1057.17	1384.53	115.40	0	D	500	53.7	19.2	-1.2	0.0	0.0	44.2	0.1	2.4	0.0	0.0	0.0	0.0	0.0	25.0
93	1057.17	1384.53	115.40	0	D	1000	54.0	19.2	-1.2	0.0	0.0	44.2	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	28.1
93	1057.17	1384.53	115.40	0	D	2000	50.8	19.2	-1.2	0.0	0.0	44.2	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	25.0
93	1057.17	1384.53	115.40	0	D	4000	46.9	19.2	-1.2	0.0	0.0	44.2	1.5	-0.9	0.0	0.0	0.0	0.0	0.0	20.1
93	1057.17	1384.53	115.40	0	D	8000	39.1	19.2	-1.2	0.0	0.0	44.2	5.3	-0.9	0.0	0.0	0.0	0.0	0.0	8.4
99	1065.38	1387.24	115.40	0	D	63	31.9	19.2	-1.2	0.0	0.0	45.4	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.5
99	1065.38	1387.24	115.40	0	D	125	37.6	19.2	-1.2	0.0	0.0	45.4	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	10.3
99	1065.38	1387.24	115.40	0	D	250	45.5	19.2	-1.2	0.0	0.0	45.4	0.1	5.1	0.0	0.0	0.0	0.0	0.0	12.9
99	1065.38	1387.24	115.40	0	D	500	53.7	19.2	-1.2	0.0	0.0	45.4	0.1	2.7	0.0	0.0	0.0	0.0	0.0	23.5
99	1065.38	1387.24	115.40	0	D	1000	54.0	19.2	-1.2	0.0	0.0	45.4	0.2	-0.4	0.0	0.0	0.0	0.0	0.0	26.8
99	1065.38	1387.24	115.40	0	D	2000	50.8	19.2	-1.2	0.0	0.0	45.4	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	23.8
99	1065.38	1387.24	115.40	0	D	4000	46.9	19.2	-1.2	0.0	0.0	45.4	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	18.7
99	1065.38	1387.24	115.40	0	D	8000	39.1	19.2	-1.2	0.0	0.0	45.4	6.1	-0.9	0.0	0.0	0.0	0.0	0.0	6.4
101	1054.56	1379.19	115.40	0	D	63	31.9	19.2	-1.2	0.0	0.0	44.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	8.6
101	1054.56	1379.19	115.40	0	D	125	37.6	19.2	-1.2	0.0	0.0	44.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	11.5
101	1054.56	1379.19	115.40	0	D	250	45.5	19.2	-1.2	0.0	0.0	44.2	0.0	4.7	0.0	0.0	0.0	0.0	0.0	14.5
101	1054.56	1379.19	115.40	0	D	500	53.7	19.2	-1.2	0.0	0.0	44.2	0.1	2.4	0.0	0.0	0.0	0.0	0.0	24.9
101	1054.56	1379.19	115.40	0	D	1000	54.0	19.2	-1.2	0.0	0.0	44.2	0.2	-0.5	0.0	0.0	0.0	0.0	0.0	28.0
101	1054.56	1379.19	115.40	0	D	2000	50.8	19.2	-1.2	0.0	0.0	44.2	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	25.0
101	1054.56	1379.19	115.40	0	D	4000	46.9	19.2	-1.2	0.0	0.0	44.2	1.5	-0.9	0.0	0.0	0.0	0.0	0.0	20.0
101	1054.56	1379.19	115.40	0	D	8000	39.1	19.2	-1.2	0.0	0.0	44.2	5.4	-0.9	0.0	0.0	0.0	0.0	0.0	8.4
103	1057.57	1371.20	115.40	0	D	63	31.9	19.2	-1.2	0.0	0.0	45.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	7.4
103	1057.57	1371.20	115.40	0	D	125	37.6	19.2	-1.2	0.0	0.0	45.5	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	10.2
103	1057.57	1371.20	115.40	0	D	250	45.5	19.2	-1.2	0.0	0.0	45.5	0.1	5.1	0.0	0.0	0.0	0.0	0.0	12.8
103	1057.57	1371.20	115.40	0	D	500	53.7	19.2	-1.2	0.0	0.0	45.5	0.1	2.7	0.0	0.0	0.0	0.0	0.0	23.4
103	1057.57	1371.20	115.40	0	D	1000	54.0	19.2	-1.2	0.0	0.0	45.5	0.2	-0.4	0.0	0.0	0.0	0.0	0.0	26.7
103	1057.57	1371.20	115.40	0	D	2000	50.8	19.2	-1.2	0.0	0.0	45.5	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	23.7
103	1057.57	1371.20	115.40	0	D	4000	46.9	19.2	-1.2	0.0	0.0	45.5	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	18.6
103	1057.57	1371.20	115.40	0	D	8000	39.1	19.2	-1.2	0.0	0.0	45.5	6.2	-0.9	0.0	0.0	0.0	0.0	0.0	6.3
108	1057.06	1368.96	115.40	1	D	1000	54.0	16.5	-1.2	0.0	0.0	46.7	0.2	-0.4	0.0	0.0	0.0	0.0	1.0	21.8
108	1057.06	1368.96	115.40	1	D	2000	50.8	16.5	-1.2	0.0	0.0	46.7	0.6	-0.9	0.0	0.0	0.0	0.0	1.0	18.7
108	1057.06	1368.96	115.40	1	D	4000	46.9	16.5	-1.2	0.0	0.0	46.7	2.0	-0.9	0.0	0.0	0.0	0.0	1.0	13.4
108	1057.06	1368.96	115.40	1	D	8000	39.1	16.5	-1.2	0.0	0.0	46.7	7.1	-0.9	0.0	0.0	0.0	0.0	1.0	0.5
111	1057.82	1374.77	115.40	1	D	2000	50.8	17.1	-1.2	0.0	0.0	46.9	0.6	-0.9	0.0	0.0	0.0	0.0	1.0	19.1
111	1057.82	1374.77	115.40	1	D	4000	46.9	17.1	-1.2	0.0	0.0	46.9	2.0	-0.9	0.0	0.0	0.0	0.0	1.0	13.7
111	1057.82	1374.77	115.40	1	D	8000	39.1	17.1	-1.2	0.0	0.0	46.9	7.3	-0.9	0.0	0.0	0.0	0.0	1.0	0.7
114	1057.05	1367.73	115.40	1	D	500	53.7	15.2	-1.2	0.0	0.0	47.2	0.1	3.1	0.0	0.0	11.3	0.0	1.0	4.9
114	1057.05	1367.73	115.40	1	D	1000	54.0	15.2	-1.2	0.0	0.0	47.2	0.2	-0.4	0.0	0.0	19.0	0.0	1.0	0.8

Punktquelle nach ISO 9613, Bez: "Bahnpas 4a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
118	1037.72	1394.34	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	38.6	0.0	3.0	0.0	0.0	0.0	0.0	0.0	6.5
118	1037.72	1394.34	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	38.6	0.0	3.4	0.0	0.0	0.0	0.0	0.0	16.4
118	1037.72	1394.34	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	38.6	0.1	0.5	0.0	0.0	0.0	0.0	0.0	32.6
118	1037.72	1394.34	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	38.6	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	40.0
118	1037.72	1394.34	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	38.6	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	28.2

Punktquelle nach ISO 9613, Bez: "Bahnpas 3a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
129	1039.22	1396.95	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	38.8	0.0	3.1	0.0	0.0	0.0	0.0	0.0	6.2
129	1039.22	1396.95	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	38.8	0.0	3.5	0.0	0.0	0.0	0.0	0.0	16.1
129	1039.22	1396.95	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	38.8	0.1	0.5	0.0	0.0	0.0	0.0	0.0	32.3
129	1039.22	1396.95	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	38.8	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	39.7
129	1039.22	1396.95	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	38.8	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	28.0

Punktquelle nach ISO 9613, Bez: "Bahnpas 5a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
131	1035.32	1388.33	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	38.9	0.0	3.1	0.0	0.0	0.0	0.0	0.0	6.1
131	1035.32	1388.33	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	38.9	0.0	3.5	0.0	0.0	0.0	0.0	0.0	16.0
131	1035.32	1388.33	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	38.9	0.1	0.5	0.0	0.0	0.0	0.0	0.0	32.2

Punktquelle nach ISO 9613, Bez: "Bahnpos 5a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
131	1035.32	1388.33	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	38.9	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	39.6
131	1035.32	1388.33	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	38.9	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	27.9

Punktquelle nach ISO 9613, Bez: "Bahnpos 2a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
133	1040.23	1399.95	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	39.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	6.0
133	1040.23	1399.95	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	39.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	16.0
133	1040.23	1399.95	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	39.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0	32.2
133	1040.23	1399.95	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	39.0	0.2	-0.9	0.0	0.0	0.0	0.0	0.0	39.6
133	1040.23	1399.95	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	39.0	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	27.8

Punktquelle nach ISO 9613, Bez: "Bahnpos 6a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
137	1033.93	1385.28	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	39.3	0.0	3.2	0.0	0.0	0.0	0.0	0.0	5.6
137	1033.93	1385.28	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	39.3	0.0	3.7	0.0	0.0	0.0	0.0	0.0	15.5
137	1033.93	1385.28	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	39.3	0.1	0.5	0.0	0.0	0.0	0.0	0.0	31.8
137	1033.93	1385.28	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	39.3	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	39.3
137	1033.93	1385.28	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	39.3	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	27.5

Punktquelle nach ISO 9613, Bez: "Bahnpos 1a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
143	1041.63	1403.46	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	39.4	0.0	3.3	0.0	0.0	0.0	0.0	0.0	5.5
143	1041.63	1403.46	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	39.4	0.1	3.7	0.0	0.0	0.0	0.0	0.0	15.4
143	1041.63	1403.46	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	39.4	0.1	0.6	0.0	0.0	0.0	0.0	0.0	31.7
143	1041.63	1403.46	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	39.4	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	39.2
143	1041.63	1403.46	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	39.4	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	27.4

Punktquelle nach ISO 9613, Bez: "Bahnpos 7a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
145	1032.51	1382.31	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	39.7	0.0	3.4	0.0	0.0	0.0	0.0	0.0	5.1
145	1032.51	1382.31	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	39.7	0.1	3.8	0.0	0.0	0.0	0.0	0.0	15.0
145	1032.51	1382.31	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	39.7	0.1	0.6	0.0	0.0	0.0	0.0	0.0	31.4
145	1032.51	1382.31	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	39.7	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	38.9
145	1032.51	1382.31	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	39.7	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	27.1

Punktquelle nach ISO 9613, Bez: "Bahnpos 8a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
149	1031.01	1379.01	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	40.2	0.0	3.6	0.0	0.0	0.0	0.0	0.0	4.3
149	1031.01	1379.01	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	40.2	0.1	4.1	0.0	0.0	0.0	0.0	0.0	14.2
149	1031.01	1379.01	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	40.2	0.1	0.7	0.0	0.0	0.0	0.0	0.0	30.7
149	1031.01	1379.01	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	40.2	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	38.3
149	1031.01	1379.01	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	40.2	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	26.5

Punktquelle nach ISO 9613, Bez: "Bahnpos 5b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
151	1044.24	1384.22	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	41.8	0.0	4.2	0.0	0.0	0.0	0.0	0.0	2.1
151	1044.24	1384.22	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	41.8	0.1	4.7	0.0	0.0	0.0	0.0	0.0	11.9
151	1044.24	1384.22	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	41.8	0.1	0.9	0.0	0.0	0.0	0.0	0.0	28.9
151	1044.24	1384.22	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	41.8	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	36.7
151	1044.24	1384.22	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	41.8	1.1	-0.9	0.0	0.0	0.0	0.0	0.0	24.7

Punktquelle nach ISO 9613, Bez: "Bahnpos 4b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
160	1047.24	1389.43	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	41.8	0.0	4.2	0.0	0.0	0.0	0.0	0.0	2.1
160	1047.24	1389.43	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	41.8	0.1	4.8	0.0	0.0	0.0	0.0	0.0	11.9
160	1047.24	1389.43	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	41.8	0.1	0.9	0.0	0.0	0.0	0.0	0.0	28.9
160	1047.24	1389.43	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	41.8	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	36.7
160	1047.24	1389.43	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	41.8	1.1	-0.9	0.0	0.0	0.0	0.0	0.0	24.7

Punktquelle nach ISO 9613, Bez: "Bahnpos 3b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
162	1048.65	1392.64	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	41.9	0.0	4.2	0.0	0.0	0.0	0.0	0.0	2.0
162	1048.65	1392.64	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	41.9	0.1	4.8	0.0	0.0	0.0	0.0	0.0	11.8
162	1048.65	1392.64	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	41.9	0.1	0.9	0.0	0.0	0.0	0.0	0.0	28.9
162	1048.65	1392.64	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	41.9	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	36.6
162	1048.65	1392.64	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	41.9	1.1	-0.9	0.0	0.0	0.0	0.0	0.0	24.6

Punktquelle nach ISO 9613, Bez: "Bahnpos 2b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
164	1049.75	1395.84	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	41.9	0.0	4.3	0.0	0.0	0.0	0.0	0.0	1.9
164	1049.75	1395.84	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	41.9	0.1	4.8	0.0	0.0	0.0	0.0	0.0	11.7
164	1049.75	1395.84	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	41.9	0.1	0.9	0.0	0.0	0.0	0.0	0.0	28.8
164	1049.75	1395.84	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	41.9	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	36.6
164	1049.75	1395.84	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	41.9	1.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.6

Punktquelle nach ISO 9613, Bez: "Bahnpos 6b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
166	1043.23	1381.21	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	42.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	1.8
166	1043.23	1381.21	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	42.0	0.1	4.9	0.0	0.0	0.0	0.0	0.0	11.6
166	1043.23	1381.21	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	42.0	0.1	0.9	0.0	0.0	0.0	0.0	0.0	28.7
166	1043.23	1381.21	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	42.0	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	36.5
166	1043.23	1381.21	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	42.0	1.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.4

Punktquelle nach ISO 9613, Bez: "Bahnpos 7b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
177	1041.23	1378.10	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	42.2	0.0	4.4	0.0	0.0	0.0	0.0	0.0	1.6
177	1041.23	1378.10	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	42.2	0.1	4.9	0.0	0.0	0.0	0.0	0.0	11.4
177	1041.23	1378.10	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	42.2	0.1	0.9	0.0	0.0	0.0	0.0	0.0	28.5
177	1041.23	1378.10	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	42.2	0.3	-0.9	0.0	0.0	0.0	0.0	0.0	36.3
177	1041.23	1378.10	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	42.2	1.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.3

Punktquelle nach ISO 9613, Bez: "Bahnpos 1b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
180	1051.45	1398.65	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	42.2	0.0	4.4	0.0	0.0	0.0	0.0	0.0	1.5
180	1051.45	1398.65	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	42.2	0.1	4.9	0.0	0.0	0.0	0.0	0.0	11.3
180	1051.45	1398.65	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	42.2	0.1	0.9	0.0	0.0	0.0	0.0	0.0	28.5
180	1051.45	1398.65	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	42.2	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	36.3
180	1051.45	1398.65	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	42.2	1.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.2

Punktquelle nach ISO 9613, Bez: "Bahnpos 8b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
182	1039.88	1375.20	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	42.4	0.0	4.5	0.0	0.0	0.0	0.0	0.0	1.2
182	1039.88	1375.20	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	42.4	0.1	5.0	0.0	0.0	0.0	0.0	0.0	11.0
182	1039.88	1375.20	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	42.4	0.1	1.0	0.0	0.0	0.0	0.0	0.0	28.2
182	1039.88	1375.20	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	42.4	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	36.0
182	1039.88	1375.20	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	42.4	1.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.0

Punktquelle nach ISO 9613, Bez: "Bahnpos 11a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
184	1054.16	1390.13	114.10	0	D	250	71.0	0.0	-22.8	0.0	0.0	43.2	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0
184	1054.16	1390.13	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.2	0.1	5.4	0.0	0.0	0.0	0.0	0.0	9.8
184	1054.16	1390.13	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.2	0.1	1.1	0.0	0.0	0.0	0.0	0.0	27.3
184	1054.16	1390.13	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.2	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	35.2
184	1054.16	1390.13	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.2	1.3	-0.9	0.0	0.0	0.0	0.0	0.0	23.1

Punktquelle nach ISO 9613, Bez: "Bahnpos 12a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
187	1053.16	1386.82	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.3	0.1	5.4	0.0	0.0	0.0	0.0	0.0	9.7
187	1053.16	1386.82	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.3	0.2	1.1	0.0	0.0	0.0	0.0	0.0	27.2
187	1053.16	1386.82	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.3	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	35.1
187	1053.16	1386.82	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.3	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	23.0

Punktquelle nach ISO 9613, Bez: "Bahnpas 13a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
190	1050.25	1381.31	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.3	0.1	5.4	0.0	0.0	0.0	0.0	0.0	9.7
190	1050.25	1381.31	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.3	0.2	1.1	0.0	0.0	0.0	0.0	0.0	27.2
190	1050.25	1381.31	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.3	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	35.1
190	1050.25	1381.31	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.3	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	23.0

Punktquelle nach ISO 9613, Bez: "Bahnpas 10a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
194	1055.86	1393.24	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.4	0.1	5.5	0.0	0.0	0.0	0.0	0.0	9.6
194	1055.86	1393.24	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.4	0.2	1.1	0.0	0.0	0.0	0.0	0.0	27.1
194	1055.86	1393.24	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.4	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	35.0
194	1055.86	1393.24	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.4	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	22.9

Punktquelle nach ISO 9613, Bez: "Bahnpas 14a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
196	1049.27	1378.26	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.5	0.1	5.5	0.0	0.0	0.0	0.0	0.0	9.4
196	1049.27	1378.26	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.5	0.2	1.1	0.0	0.0	0.0	0.0	0.0	27.0
196	1049.27	1378.26	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.5	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	34.9
196	1049.27	1378.26	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.5	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	22.8

Punktquelle nach ISO 9613, Bez: "Bahnpas 9a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
198	1057.27	1396.04	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.6	0.1	5.6	0.0	0.0	0.0	0.0	0.0	9.3
198	1057.27	1396.04	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.6	0.2	1.1	0.0	0.0	0.0	0.0	0.0	26.9
198	1057.27	1396.04	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.6	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	34.9
198	1057.27	1396.04	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.6	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	22.7

Punktquelle nach ISO 9613, Bez: "Bahnpas 15a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
201	1047.94	1375.20	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.7	0.1	5.6	0.0	0.0	0.0	0.0	0.0	9.2
201	1047.94	1375.20	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.7	0.2	1.2	0.0	0.0	0.0	0.0	0.0	26.7
201	1047.94	1375.20	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.7	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	34.7
201	1047.94	1375.20	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.7	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	22.5

Punktquelle nach ISO 9613, Bez: "Bahnpas 16a", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
203	1046.64	1372.09	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	43.9	0.1	5.7	0.0	0.0	0.0	0.0	0.0	8.8
203	1046.64	1372.09	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	43.9	0.2	1.2	0.0	0.0	0.0	0.0	0.0	26.5
203	1046.64	1372.09	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	43.9	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	34.5
203	1046.64	1372.09	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	43.9	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	22.3
206	1046.64	1372.09	114.10	1	D	1000	94.6	0.0	-22.8	0.0	0.0	45.1	0.2	1.4	0.0	0.0	0.0	0.0	1.0	24.0
206	1046.64	1372.09	114.10	1	D	2000	100.8	0.0	-22.8	0.0	0.0	45.1	0.5	-0.9	0.0	0.0	0.0	0.0	1.0	32.2
206	1046.64	1372.09	114.10	1	D	4000	89.6	0.0	-22.8	0.0	0.0	45.1	1.7	-0.9	0.0	0.0	0.0	0.0	1.0	19.8

Punktquelle nach ISO 9613, Bez: "Bahnpas 12b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
208	1061.57	1382.81	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.1	0.1	6.3	0.0	0.0	0.0	0.0	0.0	7.1
208	1061.57	1382.81	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.1	0.2	1.4	0.0	0.0	0.0	0.0	0.0	25.1
208	1061.57	1382.81	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.1	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	33.3
208	1061.57	1382.81	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.1	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.9

Punktquelle nach ISO 9613, Bez: "Bahnpas 13b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
210	1058.97	1377.20	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.1	0.1	6.3	0.0	0.0	0.0	0.0	0.0	7.0
210	1058.97	1377.20	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.1	0.2	1.4	0.0	0.0	0.0	0.0	0.0	25.1
210	1058.97	1377.20	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.1	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	33.2
210	1058.97	1377.20	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.1	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.9

Punktquelle nach ISO 9613, Bez: "Bahnpas 11b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
212	1063.28	1386.22	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.1	0.1	6.3	0.0	0.0	0.0	0.0	0.0	7.0
212	1063.28	1386.22	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.1	0.2	1.4	0.0	0.0	0.0	0.0	0.0	25.1

Punktquelle nach ISO 9613, Bez: "Bahnpas 11b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
212	1063.28	1386.22	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.1	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	33.2
212	1063.28	1386.22	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.1	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.8

Punktquelle nach ISO 9613, Bez: "Bahnpas 14b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
214	1057.77	1374.09	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.2	0.1	6.4	0.0	0.0	0.0	0.0	0.0	6.8
214	1057.77	1374.09	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.2	0.2	1.4	0.0	0.0	0.0	0.0	0.0	24.9
214	1057.77	1374.09	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.2	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	33.1
214	1057.77	1374.09	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.2	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.7
216	1057.77	1374.09	114.10	1	D	2000	100.8	0.0	-22.8	0.0	0.0	46.9	0.6	-0.9	0.0	0.0	0.0	0.0	1.0	30.4
216	1057.77	1374.09	114.10	1	D	4000	89.6	0.0	-22.8	0.0	0.0	46.9	2.0	-0.9	0.0	0.0	0.0	0.0	1.0	17.7

Punktquelle nach ISO 9613, Bez: "Bahnpas 10b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
218	1064.88	1388.73	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.2	0.1	6.4	0.0	0.0	0.0	0.0	0.0	6.8
218	1064.88	1388.73	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.2	0.2	1.4	0.0	0.0	0.0	0.0	0.0	24.9
218	1064.88	1388.73	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.2	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	33.1
218	1064.88	1388.73	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.2	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.7

Punktquelle nach ISO 9613, Bez: "Bahnpas 9b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
221	1066.19	1391.73	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.3	0.1	6.4	0.0	0.0	0.0	0.0	0.0	6.7
221	1066.19	1391.73	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.3	0.2	1.4	0.0	0.0	0.0	0.0	0.0	24.8
221	1066.19	1391.73	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.3	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	33.0
221	1066.19	1391.73	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.3	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.6

Punktquelle nach ISO 9613, Bez: "Bahnpas 15b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
224	1056.46	1371.29	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.3	0.1	6.4	0.0	0.0	0.0	0.0	0.0	6.7
224	1056.46	1371.29	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.3	0.2	1.4	0.0	0.0	0.0	0.0	0.0	24.8
224	1056.46	1371.29	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.3	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	33.0
224	1056.46	1371.29	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.3	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.6
226	1056.46	1371.29	114.10	1	D	1000	94.6	0.0	-22.8	0.0	0.0	46.6	0.2	1.6	0.0	0.0	0.0	0.0	1.0	22.3
226	1056.46	1371.29	114.10	1	D	2000	100.8	0.0	-22.8	0.0	0.0	46.6	0.6	-0.9	0.0	0.0	0.0	0.0	1.0	30.6
226	1056.46	1371.29	114.10	1	D	4000	89.6	0.0	-22.8	0.0	0.0	46.6	2.0	-0.9	0.0	0.0	0.0	0.0	1.0	18.0

Punktquelle nach ISO 9613, Bez: "Bahnpas 16b", ID: "BOUSCHUESSE"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
228	1054.71	1368.18	114.10	0	D	500	81.4	0.0	-22.8	0.0	0.0	45.4	0.1	6.5	0.0	0.0	0.0	0.0	0.0	6.5
228	1054.71	1368.18	114.10	0	D	1000	94.6	0.0	-22.8	0.0	0.0	45.4	0.2	1.4	0.0	0.0	0.0	0.0	0.0	24.7
228	1054.71	1368.18	114.10	0	D	2000	100.8	0.0	-22.8	0.0	0.0	45.4	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	32.9
228	1054.71	1368.18	114.10	0	D	4000	89.6	0.0	-22.8	0.0	0.0	45.4	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	20.5
231	1054.71	1368.18	114.10	1	D	1000	94.6	0.0	-22.8	0.0	0.0	46.3	0.2	1.6	0.0	0.0	0.0	0.0	1.0	22.6
231	1054.71	1368.18	114.10	1	D	2000	100.8	0.0	-22.8	0.0	0.0	46.3	0.6	-0.9	0.0	0.0	0.0	0.0	1.0	30.9
231	1054.71	1368.18	114.10	1	D	4000	89.6	0.0	-22.8	0.0	0.0	46.3	1.9	-0.9	0.0	0.0	0.0	0.0	1.0	18.4
233	1054.71	1368.18	114.10	1	D	1000	94.6	0.0	-22.8	0.0	0.0	46.9	0.2	1.6	0.0	0.0	19.5	0.0	1.0	2.4
233	1054.71	1368.18	114.10	1	D	2000	100.8	0.0	-22.8	0.0	0.0	46.9	0.6	-0.9	0.0	0.0	25.7	0.0	1.0	4.5

Flächenquelle nach ISO 9613, Bez: "Kugelklick Fläche", ID: "BOUKLICK"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	I/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
237	1042.95	1379.92	115.00	0	D	500	48.5	17.5	-6.0	3.0	0.0	42.2	0.1	2.7	0.0	0.0	0.0	0.0	0.0	18.0
239	1036.17	1377.75	115.00	0	D	500	48.5	17.5	-6.0	3.0	0.0	41.4	0.1	2.4	0.0	0.0	0.0	0.0	0.0	19.1
245	1048.71	1374.36	115.00	0	D	500	48.5	20.5	-6.0	3.0	0.0	43.9	0.1	3.2	0.0	0.0	0.0	0.0	0.0	18.8
247	1038.29	1387.69	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	39.8	0.1	1.8	0.0	0.0	0.0	0.0	0.0	18.2
250	1042.87	1385.45	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	41.3	0.1	2.4	0.0	0.0	0.0	0.0	0.0	16.2
252	1034.90	1386.60	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	39.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0	19.2
254	1032.69	1382.20	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	39.7	0.1	1.7	0.0	0.0	0.0	0.0	0.0	18.4
256	1040.49	1392.10	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	39.8	0.1	1.8	0.0	0.0	0.0	0.0	0.0	18.4
259	1045.07	1389.86	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	41.3	0.1	2.4	0.0	0.0	0.0	0.0	0.0	16.2
261	1039.31	1395.42	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	39.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	19.5
263	1041.51	1399.83	115.00	0	D	500	48.5	14.5	-6.0	3.0	0.0	39.4	0.1	1.6	0.0	0.0	0.0	0.0	0.0	18.9
277	1057.23	1392.50	115.00	0	D	500	48.5	20.5	-6.0	3.0	0.0	43.7	0.1	3.1	0.0	0.0	0.0	0.0	0.0	19.0
279	1049.46	1393.32	115.00	0	D	500	48.5	17.5	-6.0	3.0	0.0	42.0	0.1	2.6	0.0	0.0	0.0	0.0	0.0	18.2

Flächenquelle nach ISO 9613, Bez: "Kugelklick Fläche", ID: "BOUKLICK"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
281	1047.09	1399.97	115.00	0	D	500	48.5	17.5	-6.0	3.0	0.0	41.1	0.1	2.3	0.0	0.0	0.0	0.0	0.0	19.5
284	1059.60	1385.85	115.00	0	D	500	48.5	20.5	-6.0	3.0	0.0	44.5	0.1	3.3	0.0	0.0	0.0	0.0	0.0	18.0
286	1055.39	1376.70	115.00	0	D	500	48.5	20.5	-6.0	3.0	0.0	44.6	0.1	3.3	0.0	0.0	0.0	0.0	0.0	17.9

Parkplatz nach RLS-90, Bez: "Parkplatz", ID: "PP"															
Nr.	X	Y	Z	Ref.	DEN	LmE	DI	Dstg	Drefl	K	Ds	Dbm	Dz	RV	Lr
	(m)	(m)	(m)			dB(A)	dB	dB	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)
297	1116.91	1337.58	114.50	0	D	32.9	22.7	0.0	0.0	0.0	-31.1	-4.4	0.0	0.0	20.1
300	1132.97	1333.23	114.50	0	D	32.9	19.6	0.0	0.0	0.0	-32.2	-4.4	0.0	0.0	15.9
302	1163.07	1319.98	114.50	0	D	32.9	19.6	0.0	0.0	0.0	-34.2	-4.5	0.0	0.0	13.8
304	1177.12	1311.08	114.50	0	D	32.9	22.7	0.0	0.0	0.0	-35.1	-4.6	0.0	0.0	15.9
306	1161.07	1315.43	114.50	0	D	32.9	19.6	0.0	0.0	0.0	-34.3	-4.5	0.0	0.0	13.7
308	1130.96	1328.68	114.50	0	D	32.9	19.6	0.0	0.0	0.0	-32.3	-4.5	0.0	0.0	15.8

Parkplatz nach RLS-90, Bez: "Parkplatz", ID: "PP"															
Nr.	X	Y	Z	Ref.	DEN	LmE	DI	Dstg	Drefl	K	Ds	Dbm	Dz	RV	Lr
	(m)	(m)	(m)			dB(A)	dB	dB	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)
311	1151.63	1297.61	114.50	0	D	32.9	20.4	0.0	0.0	0.0	-34.4	-4.5	0.0	0.0	14.4
313	1121.86	1312.20	114.50	0	D	32.9	20.4	0.0	0.0	0.0	-32.4	-4.5	0.0	0.0	16.4
315	1165.71	1287.98	114.50	0	D	32.9	24.2	0.0	0.0	0.0	-35.3	-4.6	0.0	0.0	17.3
317	1109.65	1323.10	114.50	0	D	32.9	20.6	0.0	0.0	0.0	-31.3	-4.4	0.0	0.0	17.9
319	1124.73	1313.33	114.50	0	D	32.9	17.8	0.0	0.0	0.0	-32.5	-4.5	0.0	0.0	13.8
321	1154.50	1298.75	114.50	0	D	32.9	17.8	0.0	0.0	0.0	-34.5	-4.5	0.0	0.0	11.7
327	1111.05	1316.35	114.50	0	D	32.9	9.9	0.0	0.0	0.0	-31.7	-4.4	0.0	0.0	6.7

Straße nach RLS-90, Bez: "Zufahrt PPlatz", ID: "PP"															
Nr.	X	Y	Z	Ref.	DEN	LmE	DI	Dstg	Drefl	K	Ds	Dbm	Dz	RV	Lr
	(m)	(m)	(m)			dB(A)	dB	dB	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)
292	1159.60	1305.94	114.50	0	D	42.8	16.2	0.0	0.0	0.0	-34.5	-4.5	0.0	0.0	19.9
295	1122.51	1324.38	114.50	0	D	42.8	16.2	0.0	0.0	0.0	-31.9	-4.4	0.0	0.0	22.6
323	1175.53	1288.70	114.50	0	D	42.8	12.3	0.0	0.0	0.0	-35.7	-4.6	0.0	0.0	14.8
325	1166.11	1279.88	114.50	0	D	42.8	9.6	0.0	0.0	0.0	-35.6	-4.6	0.0	0.0	12.3
329	1171.72	1279.68	114.50	0	D	42.8	5.0	0.0	0.0	0.0	-35.8	-4.6	0.0	0.0	7.4

Bericht (progmod Schulsport.cna)

horizontale Flächenquellen

Bezeichnung	M.	ID	Schalleistung Lw			Schalleistung Lw"			Lw / Li		Korrektur			Schalldämmung		Dämpfung	Einwirkzeit			K0	Freq.	Richtw.	Bew.	Punktquellen		
			Tag (dBA)	Abend (dBA)	Nacht (dBA)	Tag (dBA)	Abend (dBA)	Nacht (dBA)	Typ	Wert	norm. dB(A)	Tag dB(A)	Abend dB(A)	Nacht dB(A)	R		Fläche (m²)	Tag (min)	Ruhe (min)					Nacht (min)	(dB)	(Hz)
36 Spieler	-	BOUSPIELER	89.6	89.6	89.6	58.5	58.5	58.5	Lw	MODERATSPEC	89.6	0.0	0.0	0.0				120.00	120.00	60.00	0.0		(keine)			
Kugeltkick Fläche	-	BOUKLICK	78.0	75.0	75.0	48.5	45.5	45.5	Lw	75		3.0	0.0	0.0				40.00	40.00	20.00	0.0	500	(keine)			
Schulsport wie Bolzplatz		LEICHT	101.0	101.0	101.0	64.3	64.3	64.3	Lw	BOLZPL	101.0	0.0	0.0	0.0				270.00	0.00	0.00	0.0		(keine)			
Schulsport 20 Pflife/h (4,5)		LEICHT	113.0	113.0	113.0	77.2	77.2	77.2	Lw	113		0.0	0.0	0.0				7.50	0.00	0.00	0.0	500	(keine)			

Immissionspunkte

Bezeichnung	M.	ID	Pegel Lr	Richtwert	Nutzungsart		Höhe	Koordinaten			
					Gebiet	Auto		Lärmart	X	Y	Z
			Ld (dBA)	Ld (dBA)			(m)	(m)	(m)	(m)	
ip1			41.4	60.0			5.80	r	894.35	1397.48	119.80
ip2			39.4	60.0			5.80	r	848.20	1489.15	119.80
lpa			50.4	55.0			2.00	r	1015.47	1403.36	116.00
lpb			53.4	55.0			2.00	r	1026.90	1430.42	116.00

Immissionspunkt

Bez.: ipa

ID:

X: 1015.47 m

Y: 1403.36 m

Z: 116.00 m

Flächenquelle nach ISO 9613, Bez: "Schulsport wie Bolzplatz", ID: "LEICHT"

Nr.	X (m)	Y (m)	Z (m)	Ref.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	EinwZeit dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahaus (dB)	Abar (dB)	Cmet (dB)	RV (dB)	Lr dB(A)
9	1074.71	1418.68	115.20	0	D	32	27.9	21.6	-2.5	0.0	0.0	46.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	3.3
9	1074.71	1418.68	115.20	0	D	63	47.0	21.6	-2.5	0.0	0.0	46.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	22.3
9	1074.71	1418.68	115.20	0	D	125	56.1	21.6	-2.5	0.0	0.0	46.7	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	28.5
9	1074.71	1418.68	115.20	0	D	250	55.6	21.6	-2.5	0.0	0.0	46.7	0.1	5.8	0.0	0.0	0.0	0.0	0.0	22.1
9	1074.71	1418.68	115.20	0	D	500	55.0	21.6	-2.5	0.0	0.0	46.7	0.1	3.8	0.0	0.0	0.0	0.0	0.0	23.5
9	1074.71	1418.68	115.20	0	D	1000	59.2	21.6	-2.5	0.0	0.0	46.7	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	31.5
9	1074.71	1418.68	115.20	0	D	2000	57.4	21.6	-2.5	0.0	0.0	46.7	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	30.1
9	1074.71	1418.68	115.20	0	D	4000	52.2	21.6	-2.5	0.0	0.0	46.7	2.0	-0.9	0.0	0.0	0.0	0.0	0.0	23.4
9	1074.71	1418.68	115.20	0	D	8000	41.1	21.6	-2.5	0.0	0.0	46.7	7.2	-0.9	0.0	0.0	0.0	0.0	0.0	7.2
11	1079.73	1430.14	115.20	0	D	32	27.9	21.6	-2.5	0.0	0.0	47.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	2.1
11	1079.73	1430.14	115.20	0	D	63	47.0	21.6	-2.5	0.0	0.0	47.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	21.2
11	1079.73	1430.14	115.20	0	D	125	56.1	21.6	-2.5	0.0	0.0	47.9	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	27.3
11	1079.73	1430.14	115.20	0	D	250	55.6	21.6	-2.5	0.0	0.0	47.9	0.1	6.2	0.0	0.0	0.0	0.0	0.0	20.5
11	1079.73	1430.14	115.20	0	D	500	55.0	21.6	-2.5	0.0	0.0	47.9	0.1	4.1	0.0	0.0	0.0	0.0	0.0	22.0
11	1079.73	1430.14	115.20	0	D	1000	59.2	21.6	-2.5	0.0	0.0	47.9	0.3	-0.1	0.0	0.0	0.0	0.0	0.0	30.3
11	1079.73	1430.14	115.20	0	D	2000	57.4	21.6	-2.5	0.0	0.0	47.9	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	28.9
11	1079.73	1430.14	115.20	0	D	4000	52.2	21.6	-2.5	0.0	0.0	47.9	2.3	-0.9	0.0	0.0	0.0	0.0	0.0	22.1
11	1079.73	1430.14	115.20	0	D	8000	41.1	21.6	-2.5	0.0	0.0	47.9	8.1	-0.9	0.0	0.0	0.0	0.0	0.0	5.1
13	1067.49	1414.84	115.20	0	D	32	27.9	21.6	-2.5	0.0	0.0	45.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	4.5
13	1067.49	1414.84	115.20	0	D	63	47.0	21.6	-2.5	0.0	0.0	45.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	23.6
13	1067.49	1414.84	115.20	0	D	125	56.1	21.6	-2.5	0.0	0.0	45.5	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	29.8
13	1067.49	1414.84	115.20	0	D	250	55.6	21.6	-2.5	0.0	0.0	45.5	0.1	5.3	0.0	0.0	0.0	0.0	0.0	23.8
13	1067.49	1414.84	115.20	0	D	500	55.0	21.6	-2.5	0.0	0.0	45.5	0.1	3.4	0.0	0.0	0.0	0.0	0.0	25.0
13	1067.49	1414.84	115.20	0	D	1000	59.2	21.6	-2.5	0.0	0.0	45.5	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	32.8
13	1067.49	1414.84	115.20	0	D	2000	57.4	21.6	-2.5	0.0	0.0	45.5	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	31.3
13	1067.49	1414.84	115.20	0	D	4000	52.2	21.6	-2.5	0.0	0.0	45.5	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	24.9
13	1067.49	1414.84	115.20	0	D	8000	41.1	21.6	-2.5	0.0	0.0	45.5	6.2	-0.9	0.0	0.0	0.0	0.0	0.0	9.3
15	1061.67	1420.55	115.20	0	D	32	27.9	18.5	-2.5	0.0	0.0	44.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	2.1
15	1061.67	1420.55	115.20	0	D	63	47.0	18.5	-2.5	0.0	0.0	44.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	21.2
15	1061.67	1420.55	115.20	0	D	125	56.1	18.5	-2.5	0.0	0.0	44.9	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	27.5
15	1061.67	1420.55	115.20	0	D	250	55.6	18.5	-2.5	0.0	0.0	44.9	0.1	5.0	0.0	0.0	0.0	0.0	0.0	21.7
15	1061.67	1420.55	115.20	0	D	500	55.0	18.5	-2.5	0.0	0.0	44.9	0.1	3.2	0.0	0.0	0.0	0.0	0.0	22.9
15	1061.67	1420.55	115.20	0	D	1000	59.2	18.5	-2.5	0.0	0.0	44.9	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	30.5
15	1061.67	1420.55	115.20	0	D	2000	57.4	18.5	-2.5	0.0	0.0	44.9	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	29.0
15	1061.67	1420.55	115.20	0	D	4000	52.2	18.5	-2.5	0.0	0.0	44.9	1.6	-0.9	0.0	0.0	0.0	0.0	0.0	22.7
15	1061.67	1420.55	115.20	0	D	8000	41.1	18.5	-2.5	0.0	0.0	44.9	5.8	-0.9	0.0	0.0	0.0	0.0	0.0	7.5
17	1054.44	1416.71	115.20	0	D	32	27.9	18.5	-2.5	0.0	0.0	43.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	3.7
17	1054.44	1416.71	115.20	0	D	63	47.0	18.5	-2.5	0.0	0.0	43.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	22.8
17	1054.44	1416.71	115.20	0	D	125	56.1	18.5	-2.5	0.0	0.0	43.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	29.1
17	1054.44	1416.71	115.20	0	D	250	55.6	18.5	-2.5	0.0	0.0	43.3	0.0	4.4	0.0	0.0	0.0	0.0	0.0	23.9
17	1054.44	1416.71	115.20	0	D	500	55.0	18.5	-2.5	0.0	0.0	43.3	0.1	2.8	0.0	0.0	0.0	0.0	0.0	24.9
17	1054.44	1416.71	115.20	0	D	1000	59.2	18.5	-2.5	0.0	0.0	43.3	0.2	-0.3	0.0	0.0	0.0	0.0	0.0	32.1
17	1054.44	1416.71	115.20	0	D	2000	57.4	18.5	-2.5	0.0	0.0	43.3	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	30.7
17	1054.44	1416.71	115.20	0	D	4000	52.2	18.5	-2.5	0.0	0.0	43.3	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	24.5
17	1054.44	1416.71	115.20	0	D	8000	41.1	18.5	-2.5	0.0	0.0	43.3	4.8	-0.9	0.0	0.0	0.0	0.0	0.0	10.0
19	1084.14	1414.89	115.20	0	D	32	27.9	21.6	-2.5	0.0	0.0	47.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	2.1
19	1084.14	1414.89	115.20	0	D	63	47.0	21.6	-2.5	0.0	0.0	47.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	21.2
19	1084.14	1414.89	115.20	0	D	125	56.1	21.6	-2.5	0.0	0.0	47.9	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	27.3
19	1084.14	1414.89	115.20	0	D	250	55.6	21.6	-2.5	0.0	0.0	47.9	0.1	6.2	0.0	0.0	0.0	0.0	0.0	20.5
19	1084.14	1414.89	115.20	0	D	500	55.0	21.6	-2.5	0.0	0.0	47.9	0.1	4.1	0.0	0.0	0.0	0.0	0.0	22.0
19	1084.14	1414.89	115.20	0	D	1000	59.2	21.6	-2.5	0.0	0.0	47.9	0.3	-0.1	0.0	0.0	0.0	0.0	0.0	30.3
19	1084.14	1414.89	115.20	0	D	2000	57.4	21.6	-2.5	0.0	0.0	47.9	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	28.9
19	1084.14	1414.89	115.20	0	D	4000	52.2	21.6	-2.5	0.0	0.0	47.9	2.3	-0.9	0.0	0.0	0.0	0.0	0.0	22.0
19	1084.14	1414.89	115.20	0	D	8000	41.1	21.6	-2.5	0.0	0.0	47.9	8.1	-0.9	0.0	0.0	0.0	0.0	0.0	5.1
21	1089.16	1426.36	115.20	0	D	32	27.9	21.6	-2.5	0.0	0.0	48.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	1.2
21	1089.16	1426.36	115.20	0	D	63	47.0	21.6	-2.5	0.0	0.0	48.8	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	20.3
21	1089.16	1426.36	115.20	0	D	125	56.1	21.6	-2.5	0.0	0.0	48.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	26.3

Flächenquelle nach ISO 9613, Bez: "Schulsport wie Bolzplatz", ID: "LEICHT"

Nr.	X (m)	Y (m)	Z (m)	Ref.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	EinwZeit dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agf (dB)	Afol (dB)	Ahaus (dB)	Abar (dB)	Cmet (dB)	RV (dB)	Lr dB(A)
21	1089.16	1426.36	115.20	0	D	250	55.6	21.6	-2.5	0.0	0.0	48.8	0.1	6.6	0.0	0.0	0.0	0.0	0.0	19.3
21	1089.16	1426.36	115.20	0	D	500	55.0	21.6	-2.5	0.0	0.0	48.8	0.1	4.3	0.0	0.0	0.0	0.0	0.0	20.9
21	1089.16	1426.36	115.20	0	D	1000	59.2	21.6	-2.5	0.0	0.0	48.8	0.3	-0.1	0.0	0.0	0.0	0.0	0.0	29.3
21	1089.16	1426.36	115.20	0	D	2000	57.4	21.6	-2.5	0.0	0.0	48.8	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	27.9
21	1089.16	1426.36	115.20	0	D	4000	52.2	21.6	-2.5	0.0	0.0	48.8	2.5	-0.9	0.0	0.0	0.0	0.0	0.0	20.9
21	1089.16	1426.36	115.20	0	D	8000	41.1	21.6	-2.5	0.0	0.0	48.8	9.0	-0.9	0.0	0.0	0.0	0.0	0.0	3.3
23	1091.07	1405.37	115.20	0	D	32	27.9	24.6	-2.5	0.0	0.0	48.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	4.4
23	1091.07	1405.37	115.20	0	D	63	47.0	24.6	-2.5	0.0	0.0	48.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	23.5
23	1091.07	1405.37	115.20	0	D	125	56.1	24.6	-2.5	0.0	0.0	48.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.5
23	1091.07	1405.37	115.20	0	D	250	55.6	24.6	-2.5	0.0	0.0	48.6	0.1	6.5	0.0	0.0	0.0	0.0	0.0	22.5
23	1091.07	1405.37	115.20	0	D	500	55.0	24.6	-2.5	0.0	0.0	48.6	0.1	4.3	0.0	0.0	0.0	0.0	0.0	24.1
23	1091.07	1405.37	115.20	0	D	1000	59.2	24.6	-2.5	0.0	0.0	48.6	0.3	-0.1	0.0	0.0	0.0	0.0	0.0	32.5
23	1091.07	1405.37	115.20	0	D	2000	57.4	24.6	-2.5	0.0	0.0	48.6	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	31.1
23	1091.07	1405.37	115.20	0	D	4000	52.2	24.6	-2.5	0.0	0.0	48.6	2.5	-0.9	0.0	0.0	0.0	0.0	0.0	24.1
23	1091.07	1405.37	115.20	0	D	8000	41.1	24.6	-2.5	0.0	0.0	48.6	8.8	-0.9	0.0	0.0	0.0	0.0	0.0	6.7
25	1072.80	1439.67	115.20	0	D	32	27.9	24.6	-2.5	0.0	0.0	47.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	5.4
25	1072.80	1439.67	115.20	0	D	63	47.0	24.6	-2.5	0.0	0.0	47.6	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	24.5
25	1072.80	1439.67	115.20	0	D	125	56.1	24.6	-2.5	0.0	0.0	47.6	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	30.6
25	1072.80	1439.67	115.20	0	D	250	55.6	24.6	-2.5	0.0	0.0	47.6	0.1	6.1	0.0	0.0	0.0	0.0	0.0	23.8
25	1072.80	1439.67	115.20	0	D	500	55.0	24.6	-2.5	0.0	0.0	47.6	0.1	4.0	0.0	0.0	0.0	0.0	0.0	25.3
25	1072.80	1439.67	115.20	0	D	1000	59.2	24.6	-2.5	0.0	0.0	47.6	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	33.5
25	1072.80	1439.67	115.20	0	D	2000	57.4	24.6	-2.5	0.0	0.0	47.6	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	32.1
25	1072.80	1439.67	115.20	0	D	4000	52.2	24.6	-2.5	0.0	0.0	47.6	2.2	-0.9	0.0	0.0	0.0	0.0	0.0	25.3
25	1072.80	1439.67	115.20	0	D	8000	41.1	24.6	-2.5	0.0	0.0	47.6	7.9	-0.9	0.0	0.0	0.0	0.0	0.0	8.5
27	1060.86	1437.72	115.20	0	D	32	27.9	21.6	-2.5	0.0	0.0	46.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	3.9
27	1060.86	1437.72	115.20	0	D	63	47.0	21.6	-2.5	0.0	0.0	46.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	23.0
27	1060.86	1437.72	115.20	0	D	125	56.1	21.6	-2.5	0.0	0.0	46.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	29.2
27	1060.86	1437.72	115.20	0	D	250	55.6	21.6	-2.5	0.0	0.0	46.1	0.1	5.5	0.0	0.0	0.0	0.0	0.0	23.0
27	1060.86	1437.72	115.20	0	D	500	55.0	21.6	-2.5	0.0	0.0	46.1	0.1	3.6	0.0	0.0	0.0	0.0	0.0	24.3
27	1060.86	1437.72	115.20	0	D	1000	59.2	21.6	-2.5	0.0	0.0	46.1	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	32.2
27	1060.86	1437.72	115.20	0	D	2000	57.4	21.6	-2.5	0.0	0.0	46.1	0.6	-0.9	0.0	0.0	0.0	0.0	0.0	30.7
27	1060.86	1437.72	115.20	0	D	4000	52.2	21.6	-2.5	0.0	0.0	46.1	1.9	-0.9	0.0	0.0	0.0	0.0	0.0	24.2
27	1060.86	1437.72	115.20	0	D	8000	41.1	21.6	-2.5	0.0	0.0	46.1	6.7	-0.9	0.0	0.0	0.0	0.0	0.0	8.3
29	1059.46	1428.17	115.20	0	D	32	27.9	18.5	-2.5	0.0	0.0	45.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	1.9
29	1059.46	1428.17	115.20	0	D	63	47.0	18.5	-2.5	0.0	0.0	45.1	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	21.0
29	1059.46	1428.17	115.20	0	D	125	56.1	18.5	-2.5	0.0	0.0	45.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	27.3
29	1059.46	1428.17	115.20	0	D	250	55.6	18.5	-2.5	0.0	0.0	45.1	0.1	5.1	0.0	0.0	0.0	0.0	0.0	21.4
29	1059.46	1428.17	115.20	0	D	500	55.0	18.5	-2.5	0.0	0.0	45.1	0.1	3.3	0.0	0.0	0.0	0.0	0.0	22.6
29	1059.46	1428.17	115.20	0	D	1000	59.2	18.5	-2.5	0.0	0.0	45.1	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	30.3
29	1059.46	1428.17	115.20	0	D	2000	57.4	18.5	-2.5	0.0	0.0	45.1	0.5	-0.9	0.0	0.0	0.0	0.0	0.0	28.8
29	1059.46	1428.17	115.20	0	D	4000	52.2	18.5	-2.5	0.0	0.0	45.1	1.7	-0.9	0.0	0.0	0.0	0.0	0.0	22.5
29	1059.46	1428.17	115.20	0	D	8000	41.1	18.5	-2.5	0.0	0.0	45.1	5.9	-0.9	0.0	0.0	0.0	0.0	0.0	7.1
31	1052.23	1424.33	115.20	0	D	32	27.9	18.5	-2.5	0.0	0.0	43.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	3.4
31	1052.23	1424.33	115.20	0	D	63	47.0	18.5	-2.5	0.0	0.0	43.5	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	22.5
31	1052.23	1424.33	115.20	0	D	125	56.1	18.5	-2.5	0.0	0.0	43.5	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	28.9
31	1052.23	1424.33	115.20	0	D	250	55.6	18.5	-2.5	0.0	0.0	43.5	0.0	4.5	0.0	0.0	0.0	0.0	0.0	23.6
31	1052.23	1424.33	115.20	0	D	500	55.0	18.5	-2.5	0.0	0.0	43.5	0.1	2.9	0.0	0.0	0.0	0.0	0.0	24.6
31	1052.23	1424.33	115.20	0	D	1000	59.2	18.5	-2.5	0.0	0.0	43.5	0.2	-0.3	0.0	0.0	0.0	0.0	0.0	31.9
31	1052.23	1424.33	115.20	0	D	2000	57.4	18.5	-2.5	0.0	0.0	43.5	0.4	-0.9	0.0	0.0	0.0	0.0	0.0	30.4
31	1052.23	1424.33	115.20	0	D	4000	52.2	18.5	-2.5	0.0	0.0	43.5	1.4	-0.9	0.0	0.0	0.0	0.0	0.0	24.3
31	1052.23	1424.33	115.20	0	D	8000	41.1	18.5	-2.5	0.0	0.0	43.5	4.9	-0.9	0.0	0.0	0.0	0.0	0.0	9.6
33	1077.81	1451.13	115.20	0	D	32	27.9	24.6	-2.5	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	4.1
33	1077.81	1451.13	115.20	0	D	63	47.0	24.6	-2.5	0.0	0.0	48.9	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	23.2
33	1077.81	1451.13	115.20	0	D	125	56.1	24.6	-2.5	0.0	0.0	48.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	29.2
33	1077.81	1451.13	115.20	0	D	250	55.6	24.6	-2.5	0.0	0.0	48.9	0.1	6.6	0.0	0.0	0.0	0.0	0.0	22.1
33	1077.81	1451.13	115.20	0	D	500	55.0	24.6	-2.5	0.0	0.0	48.9	0.2	4.3	0.0	0.0	0.0	0.0	0.0	23.7
33	1077.81	1451.13	115.20	0	D	1000	59.2	24.6	-2.5	0.0	0.0	48.9	0.3	-0.1	0.0	0.0	0.0	0.0	0.0	32.2
33	1077.81	1451.13	115.20	0	D	2000	57.4	24.6	-2.5	0.0	0.0	48.9	0.8	-0.9	0.0	0.0	0.0	0.0	0.0	30.7
33	1077.81	1451.13	115.20	0	D	4000	52.2	24.6	-2.5	0.0	0.0	48.9	2.6	-0.9	0.0	0.0	0.0	0.0	0.0	23.7
33	1077.81	1451.13	115.20	0	D	8000	41.1	24.6	-2.5	0.0	0.0	48.9	9.2	-0.9	0.0	0.0	0.0	0.0	0.0	6.0
35	1073.40	1466.39	115.20	0	D	32	27.9	24.6	-2.5	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	3.3
35	1073.40	1466.39	115.20	0	D	63	47.0	24.6	-2.5	0.0	0.0	49.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	22.4
35	1073.40	1466.39	115.20	0	D	125	56.1	24.6	-2.5	0.0	0.0	49.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	28.4
35	1073.40	1466.39	115.20	0	D	250	55.6	24.6	-2.5	0.0	0.0	49.7	0.1	6.9	0.0	0.0	0.0	0.0	0.0	21.1
35	1073.40	1466.39	115.20	0	D	500	55.0	24.6	-2.5	0.0	0.0	49.7	0.2	4.5	0.0	0.0	0.0	0.0	0.0	22.8
35	1073.40	1466.39	115.20	0	D	1000	59.2	24.6	-2.5	0.0	0.0	49.7	0.3	-0.0	0.0	0.0	0.0	0.0	0.0	31.4
35	1073.40	1466.39	115.20	0	D	2000	57.4													

Flächenquelle nach ISO 9613, Bez: "Schulsport wie Bolzplatz", ID: "LEICHT"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	EinwZeit	K0	Di	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
35	1073.40	1466.39	115.20	0	D	8000	41.1	24.6	-2.5	0.0	0.0	49.7	10.0	-0.9	0.0	0.0	0.0	0.0	0.0	4.4
93	1109.23	1459.81	115.20	0	D	32	27.9	27.7	-2.5	0.0	0.0	51.8	0.0	-3.4	0.0	0.0	0.0	0.0	0.0	4.7
93	1109.23	1459.81	115.20	0	D	63	47.0	27.7	-2.5	0.0	0.0	51.8	0.0	-3.4	0.0	0.0	0.0	0.0	0.0	23.8
93	1109.23	1459.81	115.20	0	D	125	56.1	27.7	-2.5	0.0	0.0	51.8	0.0	0.2	0.0	0.0	0.0	0.0	0.0	29.3
93	1109.23	1459.81	115.20	0	D	250	55.6	27.7	-2.5	0.0	0.0	51.8	0.1	7.4	0.0	0.0	0.0	0.0	0.0	21.5
93	1109.23	1459.81	115.20	0	D	500	55.0	27.7	-2.5	0.0	0.0	51.8	0.2	4.9	0.0	0.0	0.0	0.0	0.0	23.4
93	1109.23	1459.81	115.20	0	D	1000	59.2	27.7	-2.5	0.0	0.0	51.8	0.4	-0.1	0.0	0.0	0.0	0.0	0.0	32.3
93	1109.23	1459.81	115.20	0	D	2000	57.4	27.7	-2.5	0.0	0.0	51.8	1.1	-1.0	0.0	0.0	0.0	0.0	0.0	30.8
93	1109.23	1459.81	115.20	0	D	4000	52.2	27.7	-2.5	0.0	0.0	51.8	3.6	-1.0	0.0	0.0	0.0	0.0	0.0	23.1
93	1109.23	1459.81	115.20	0	D	8000	41.1	27.7	-2.5	0.0	0.0	51.8	12.8	-1.0	0.0	0.0	0.0	0.0	0.0	2.7
95	1090.16	1466.75	115.20	0	D	32	27.9	27.7	-2.5	0.0	0.0	50.8	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	5.3
95	1090.16	1466.75	115.20	0	D	63	47.0	27.7	-2.5	0.0	0.0	50.8	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	24.4
95	1090.16	1466.75	115.20	0	D	125	56.1	27.7	-2.5	0.0	0.0	50.8	0.0	0.2	0.0	0.0	0.0	0.0	0.0	30.3
95	1090.16	1466.75	115.20	0	D	250	55.6	27.7	-2.5	0.0	0.0	50.8	0.1	7.2	0.0	0.0	0.0	0.0	0.0	22.7
95	1090.16	1466.75	115.20	0	D	500	55.0	27.7	-2.5	0.0	0.0	50.8	0.2	4.8	0.0	0.0	0.0	0.0	0.0	24.4
95	1090.16	1466.75	115.20	0	D	1000	59.2	27.7	-2.5	0.0	0.0	50.8	0.4	-0.0	0.0	0.0	0.0	0.0	0.0	33.2
95	1090.16	1466.75	115.20	0	D	2000	57.4	27.7	-2.5	0.0	0.0	50.8	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	31.8
95	1090.16	1466.75	115.20	0	D	4000	52.2	27.7	-2.5	0.0	0.0	50.8	3.2	-0.9	0.0	0.0	0.0	0.0	0.0	24.3
95	1090.16	1466.75	115.20	0	D	8000	41.1	27.7	-2.5	0.0	0.0	50.8	11.5	-0.9	0.0	0.0	0.0	0.0	0.0	5.0
99	1113.65	1444.56	115.20	0	D	32	27.9	27.7	-2.5	0.0	0.0	51.5	0.0	-3.3	0.0	0.0	0.0	0.0	0.0	4.9
99	1113.65	1444.56	115.20	0	D	63	47.0	27.7	-2.5	0.0	0.0	51.5	0.0	-3.3	0.0	0.0	0.0	0.0	0.0	23.9
99	1113.65	1444.56	115.20	0	D	125	56.1	27.7	-2.5	0.0	0.0	51.5	0.0	0.2	0.0	0.0	0.0	0.0	0.0	29.6
99	1113.65	1444.56	115.20	0	D	250	55.6	27.7	-2.5	0.0	0.0	51.5	0.1	7.4	0.0	0.0	0.0	0.0	0.0	21.8
99	1113.65	1444.56	115.20	0	D	500	55.0	27.7	-2.5	0.0	0.0	51.5	0.2	4.8	0.0	0.0	0.0	0.0	0.0	23.6
99	1113.65	1444.56	115.20	0	D	1000	59.2	27.7	-2.5	0.0	0.0	51.5	0.4	-0.1	0.0	0.0	0.0	0.0	0.0	32.5
99	1113.65	1444.56	115.20	0	D	2000	57.4	27.7	-2.5	0.0	0.0	51.5	1.0	-1.0	0.0	0.0	0.0	0.0	0.0	31.0
99	1113.65	1444.56	115.20	0	D	4000	52.2	27.7	-2.5	0.0	0.0	51.5	3.5	-1.0	0.0	0.0	0.0	0.0	0.0	23.4
99	1113.65	1444.56	115.20	0	D	8000	41.1	27.7	-2.5	0.0	0.0	51.5	12.4	-1.0	0.0	0.0	0.0	0.0	0.0	3.3
101	1101.20	1428.62	115.20	0	D	32	27.9	24.7	-2.5	0.0	0.0	50.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	3.1
101	1101.20	1428.62	115.20	0	D	63	47.0	24.7	-2.5	0.0	0.0	50.0	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	22.2
101	1101.20	1428.62	115.20	0	D	125	56.1	24.7	-2.5	0.0	0.0	50.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	28.1
101	1101.20	1428.62	115.20	0	D	250	55.6	24.7	-2.5	0.0	0.0	50.0	0.1	7.0	0.0	0.0	0.0	0.0	0.0	20.7
101	1101.20	1428.62	115.20	0	D	500	55.0	24.7	-2.5	0.0	0.0	50.0	0.2	4.6	0.0	0.0	0.0	0.0	0.0	22.4
101	1101.20	1428.62	115.20	0	D	1000	59.2	24.7	-2.5	0.0	0.0	50.0	0.3	-0.0	0.0	0.0	0.0	0.0	0.0	31.1
101	1101.20	1428.62	115.20	0	D	2000	57.4	24.7	-2.5	0.0	0.0	50.0	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	29.6
101	1101.20	1428.62	115.20	0	D	4000	52.2	24.7	-2.5	0.0	0.0	50.0	2.9	-0.9	0.0	0.0	0.0	0.0	0.0	22.3
101	1101.20	1428.62	115.20	0	D	8000	41.1	24.7	-2.5	0.0	0.0	50.0	10.4	-0.9	0.0	0.0	0.0	0.0	0.0	3.7
103	1105.62	1413.37	115.20	0	D	32	27.9	24.7	-2.5	0.0	0.0	50.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	2.9
103	1105.62	1413.37	115.20	0	D	63	47.0	24.7	-2.5	0.0	0.0	50.2	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	22.0
103	1105.62	1413.37	115.20	0	D	125	56.1	24.7	-2.5	0.0	0.0	50.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	28.0
103	1105.62	1413.37	115.20	0	D	250	55.6	24.7	-2.5	0.0	0.0	50.2	0.1	7.0	0.0	0.0	0.0	0.0	0.0	20.5
103	1105.62	1413.37	115.20	0	D	500	55.0	24.7	-2.5	0.0	0.0	50.2	0.2	4.6	0.0	0.0	0.0	0.0	0.0	22.2
103	1105.62	1413.37	115.20	0	D	1000	59.2	24.7	-2.5	0.0	0.0	50.2	0.3	-0.0	0.0	0.0	0.0	0.0	0.0	30.9
103	1105.62	1413.37	115.20	0	D	2000	57.4	24.7	-2.5	0.0	0.0	50.2	0.9	-0.9	0.0	0.0	0.0	0.0	0.0	29.5
103	1105.62	1413.37	115.20	0	D	4000	52.2	24.7	-2.5	0.0	0.0	50.2	3.0	-0.9	0.0	0.0	0.0	0.0	0.0	22.2
103	1105.62	1413.37	115.20	0	D	8000	41.1	24.7	-2.5	0.0	0.0	50.2	10.6	-0.9	0.0	0.0	0.0	0.0	0.0	3.4

Flächenquelle nach ISO 9613, Bez: "Schulsport 20 Pffie/h (4.5)", ID: "LEICHT"																				
Nr.	X	Y	Z	Refi.	DEN	Freq.	Lw	l/a	EinwZeit	K0	DI	Adiv	Aatm	Agr	Afol	Ahaus	Abar	Cmet	RV	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB(A))
71	1076.92	1420.75	115.50	0	D	500	77.2	20.6	-18.1	3.0	0.0	47.1	0.1	3.6	0.0	0.0	0.0	0.0	0.0	31.9
73	1081.30	1431.13	115.50	0	D	500	77.2	20.6	-18.1	3.0	0.0	48.1	0.1	3.8	0.0	0.0	0.0	0.0	0.0	30.8
75	1070.54	1417.24	115.50	0	D	500	77.2	20.6	-18.1	3.0	0.0	46.1	0.1	3.4	0.0	0.0	0.0	0.0	0.0	33.1
77	1062.16	1420.61	115.50	0	D	500	77.2	20.6	-18.1	3.0	0.0	44.9	0.1	3.2	0.0	0.0	0.0	0.0	0.0	34.5
79	1087.49	1422.57	115.50	0	D	500	77.2	23.6	-18.1	3.0	0.0	48.4	0.1	3.8	0.0	0.0	0.0	0.0	0.0	33.4
81	1091.49	1408.82	115.50	0	D	500	77.2	23.6	-18.1	3.0	0.0	48.6	0.1	3.8	0.0	0.0	0.0	0.0	0.0	33.1
83	1075.11	1439.68	115.50	0	D	500	77.2	23.6	-18.1	3.0	0.0	47.9	0.1	3.7	0.0	0.0	0.0	0.0	0.0	34.0
85	1064.54	1437.86	115.50	0	D	500	77.2	20.6	-18.1	3.0	0.0	46.6	0.1	3.5	0.0	0.0	0.0	0.0	0.0	32.6
87	1060.16	1427.48	115.50	0	D	500	77.2	20.6	-18.1	3.0	0.0	45.1	0.1	3.2	0.0	0.0	0.0	0.0	0.0	34.3
89	1079.50	1450.06	115.50	0	D	500	77.2	23.6	-18.1	3.0	0.0	49.0	0.2	3.9	0.0	0.0	0.0	0.0	0.0	32.7
91	1075.50	1463.81	115.50	0	D	500	77.2	23.6	-18.1	3.0	0.0	49.6	0.2	4.0	0.0	0.0	0.0	0.0	0.0	32.0
106	1108.18	1458.27	115.50	0	D	500	77.2	26.9	-18.1	3.0	0.0	51.6	0.2	4.2	0.0	0.0	0.0	0.0	0.0	33.0
108	1090.65	1464.30	115.50	0	D	500	77.2	26.9	-18.1	3.0	0.0	50.7	0.2	4.1	0.0	0.0	0.0	0.0	0.0	34.1
110	1112.18	1444.52	115.50	0	D	500	77.2	26.9	-18.1	3.0	0.0	51.4	0.2	4.1	0.0	0.0	0.0	0.0	0.0	33.3
112	1102.64	1423.06	115.50	0	D	500	77.2	26.9	-18.1	3.0	0.0	50.0	0.2	4.0	0.0	0.0	0.0	0.0	0.0	34.9