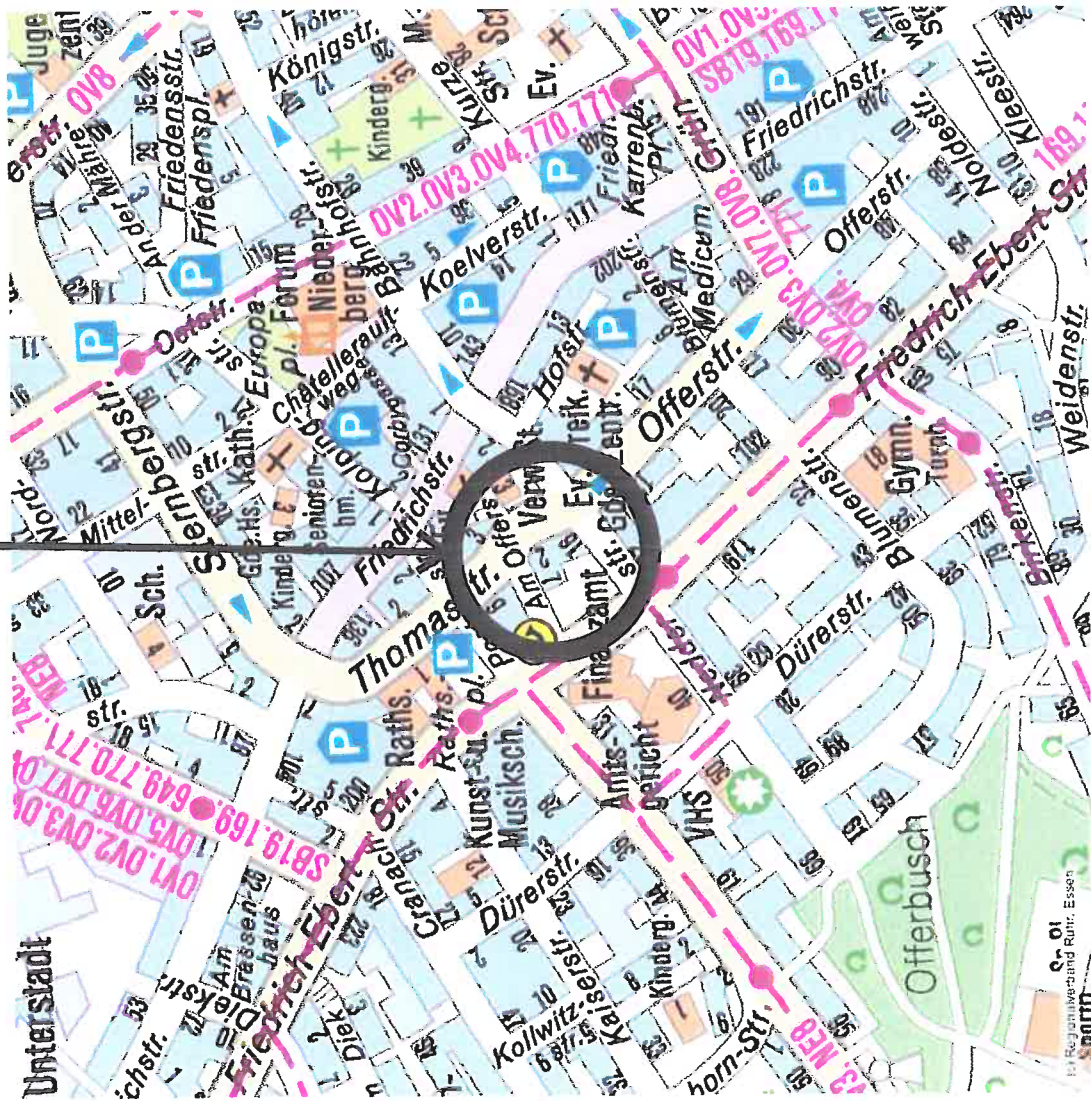


Karten

Untersuchungsgebiet



Karte 1
06.05.13
M 1:27000

Übersichtsplan

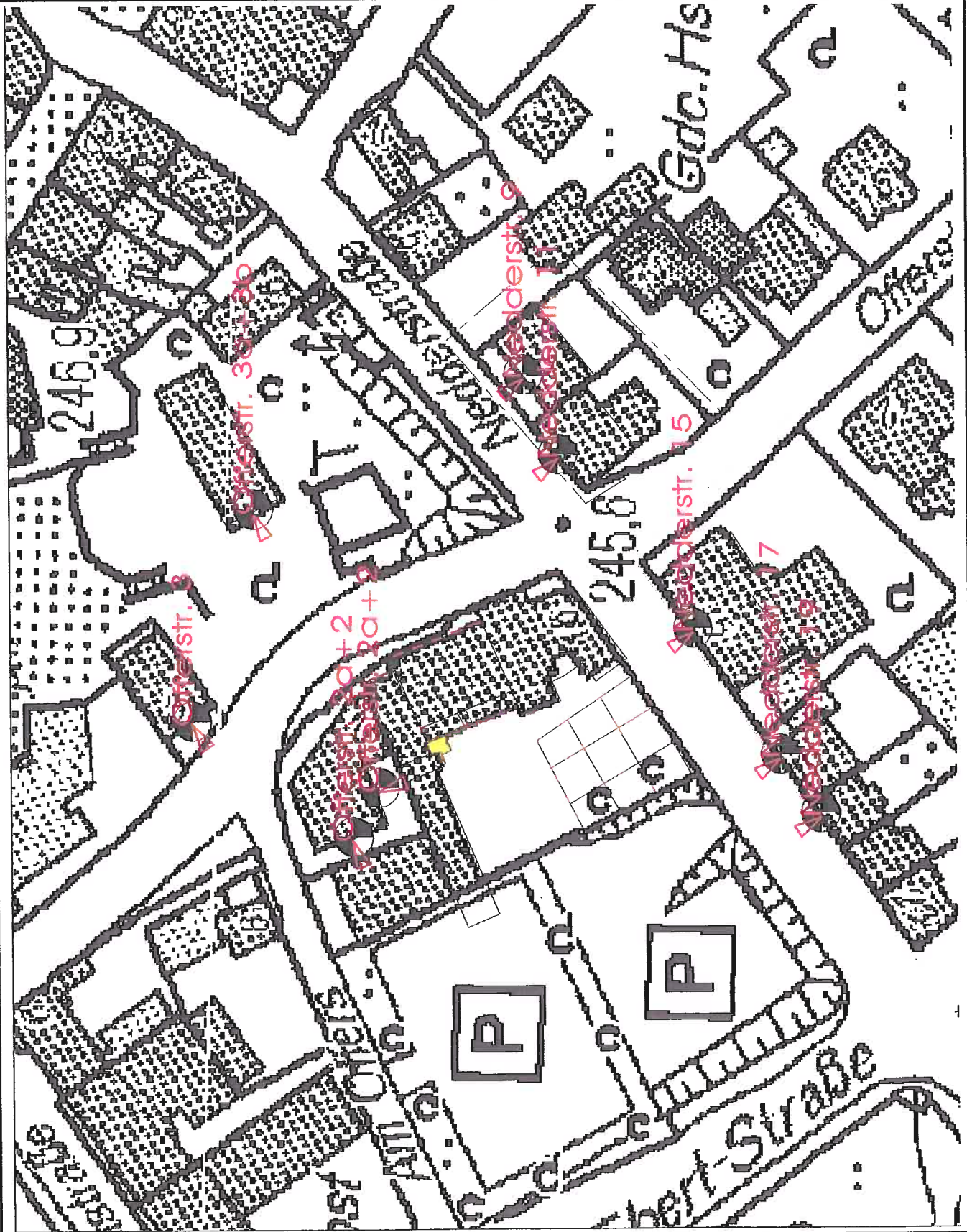
Lärmprognose Diskothek
Offerstraße 6, Velbert

Auftraggeber:

Schans Küran
Offerstraße 6
42551 Velbert

Auftragnehmer:

Offi
Arno Florke Ingenieurbüro
für Akustik und Umwelttechnik
Kolpingstraße 6
45721 Haltern

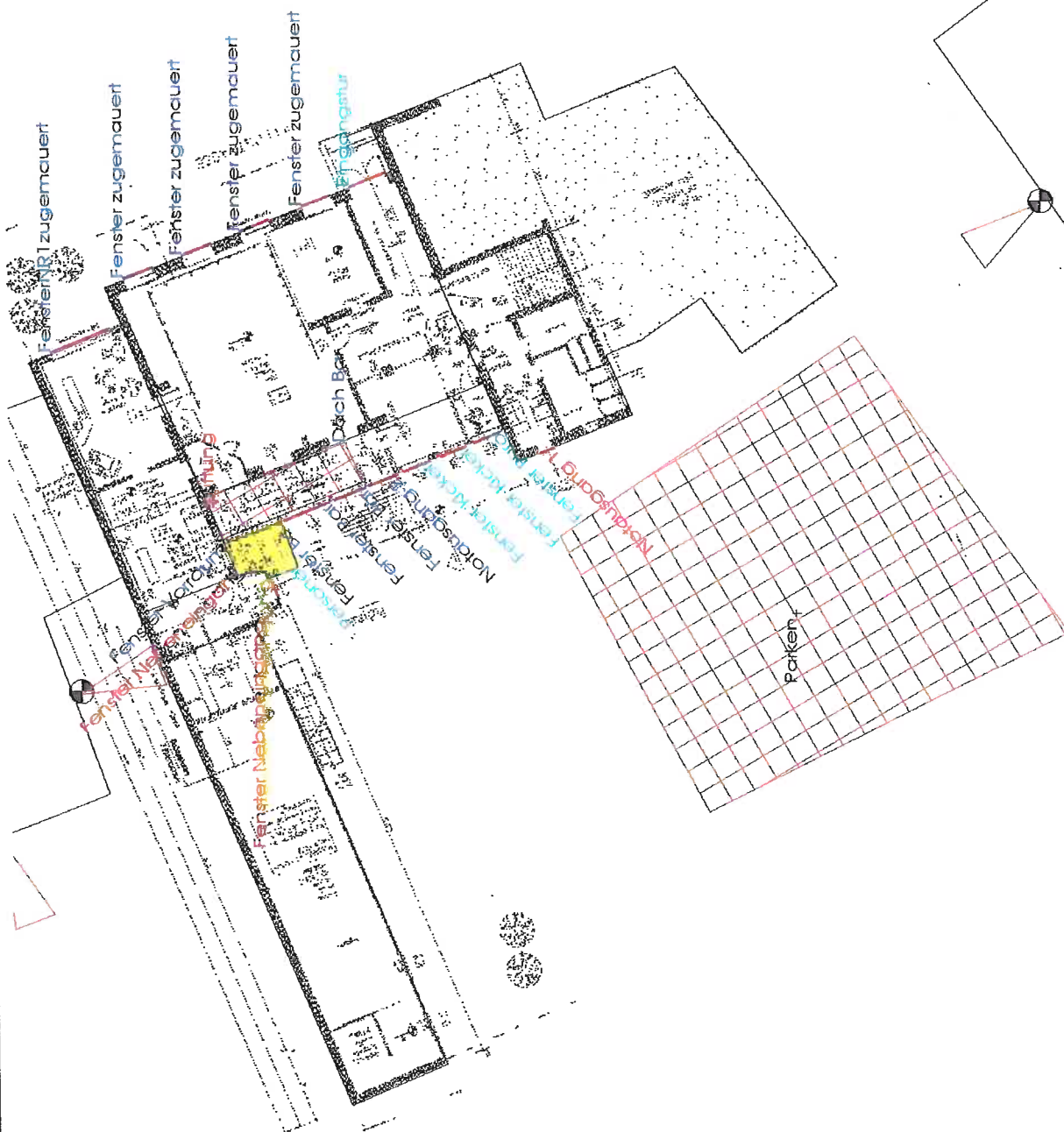


Karte 2
06.05.2013
M 1: 1000

Lageplan Immissionsorte

Schans Kuran
Offenstraße 6
42551 Veilert

afri Arno Flörke Ingenieurbüro
für Akustik und Umwelttechnik
Kolpingstraße 6
45721 Haltern am See



Karte 3
06.05.2013
M 1: 400

Lageplan Schallquellen

Schans Küran
Offerstraße 6
42551 Velbert

Prof. Dr. Arno Florke Ingenieurbüro
für Akustik und Umwelttechnik
Kolpingstraße 6
45721 Haltern am See

Anlage I

Emissionsdaten Gewerbelärm

<IND>	<RQ>	<ELE>	<PT>	<PN>	<PMX>	<Z>	<FRK>	<MAK>	<T1>
Eingangstür	3	1	75.4	75.4	0.0	1.6 5	EINGDISCO75	ÖFFNUNG	So 8:00 24:00 P 1
Fenster zugemauert	3	2	104.7	104.7	0.0	2.9 5.1	DISCO105	KÜRANFETANZ	So 8:00 24:00 P 1
Fenster zugemauert	3	3	104.7	104.7	0.0	2.9 5.1	DISCO105	KÜRANFETANZ	So 8:00 24:00 P 1
Fenster zugemauert	3	4	104.7	104.7	0.0	2.9 5.1	DISCO105	KÜRANFETANZ	So 8:00 24:00 P 1
Fenster zugemauert	3	5	104.7	104.7	0.0	2.9 5.1	DISCO105	KÜRANFETANZ	So 8:00 24:00 P 1
FensterNR1zugemauert	3	6	89.7	89.7	0.0	2.9 5.1	DISCO90	KÜRANFETANZ	So 8:00 24:00 P 1
Fenster Bar	3	7	94.7	94.7	0.0	2.9 4.6	DISCO95	KÜRANFETANZ	So 8:00 24:00 P 1
Fenster Bar	3	8	94.7	94.7	0.0	2.9 4.6	DISCO95	KÜRANFETANZ	So 8:00 24:00 P 1
Fenster Bar	3	9	94.7	94.7	0.0	2.9 4.6	DISCO95	KÜRANFETANZ	So 8:00 24:00 P 1
Notausgang 2	3	10	94.7	94.7	0.0	1.6 3.8	DISCO95	STAHLTUER_DOPPELW	So 8:00 24:00 P 1
Fenster Kicker	3	11	79.7	79.7	0.0	2.9 4.9	DISCO80	DOPPELSCHIEBE, 2X4MM	So 8:00 24:00 P 1
Fenster Kicker	3	12	79.7	79.7	0.0	2.9 4.9	DISCO80	DOPPELSCHIEBE, 2X4MM	So 8:00 24:00 P 1
Fenster Büro	3	13	79.7	79.7	0.0	2.9 4.9	DISCO80	DOPPELSCHIEBE, 2X4MM	So 8:00 24:00 P 1
Notausgang 1	3	14	69.7	69.7	0.0	0.0 2.0	DISCO70	STAHLTUER_DOPPELW	So 8:00 24:00 P 1
Fenster Vorraum	3	15	94.7	94.7	0.0	1.6 3.8	DISCO95	DOPPELSCHIEBE, 2X4MM	So 8:00 24:00 P 1
Fenster Nebeneingang	3	16	69.7	69.7	0.0	1.6 2.9	DISCO70	DOPPELSCHIEBE, 2X4MM	So 8:00 24:00 P 1
Fenster Nebeneingang	3	17	69.7	69.7	0.0	1.6 2.9	DISCO70	DOPPELSCHIEBE, 2X4MM	So 8:00 24:00 P 1
Tür Raucherbereich	3	18	69.7	69.7	0.0	0.6 2.7	DISCO70	ÖFFNUNG	So 8:00 24:00 P 1
Dach Bar	2	19	94.7	94.7	0.0	0 d	DISCO95	KÜRANDACHBAR	So 8:00 24:00 P 1
Parken	2	20	71 Lw	71 Lw	0.0	0.5 r	SPEC-NMPB	-	So 8:00 24:00 N 10
Personen	2	22	78.4 Lw	78.4 Lw	0.0	1.6 r	SPRACHE MANN	-	So 8:00 24:00 P 1
Lüftung	0	23	66	66	66 0.0	1.5 d	-	-	So 8:00 24:00 P 1

Anlage II

Frequenzspektren Schallquellen

Frequenzkennung	Frequenzen in Hz									
	95	63	125	250	500	1000	2000	4000	8000	
DISCO105		94.2	84.2	89.1	98.3	97	87	80.3	84.9	75
DISCO95	85		79.2	84.1	83.3	82	79	75.3		70
DISCO90	80		69.2	74.1	73.3	72	69	65.3		60
DISCO80	70		59.2	64.1	63.3	62	59	55.3		50
DISCO70	60		-14,0	-10,0	-7,0	-4,0	-7,0	-12,0		0,0
SPEC_NMPB	0,0		4,0	8,0	9,0	0,0	-2,0	-5,0		-18,0
SPRACHE MANN	-11,0									
-	0		0	0	100	0	0	0		0

Anlage III

Frequenzspektren Schalldämm-Werte der Fassadenbauteile

Materialkennung	Frequenzen in Hz							
	63	125	250	500	1000	2000	4000	8000
DOPPELSCHIEBE, 2X4MM	-	18	17	24	34	41	35	-
STAHLTUER_DOPPELW	17.0	26.0	32.0	33.0	29.0	27.0	31.0	36.0
ÖFFNUNG	0	0	0	0	0	0	0	0
KÜRANFETANZ	26.8	39.3	51.2	56.2	59.8	62.3	66.5	64.9
KÜRANDACHBAR	23.4	30.6	41.4	41.8	38.5	47.9	49.5	49.1

Anlage IV

Beurteilungspegel Gewerbelärm

Berechnung nach ISO 9613, Langzeit-Mittelung

Aufpunktbezeichnung: T019 363,7042 km

Aufpunktklasse: XI= 5689,4390 km

Xi= 245,68 m

Hi= 2,00 m

Nr. des Frequenzbereiches

Frequenz

Pegel PT

Pegel PN

Pegel PL

1 2 3 4 5 6 7 8 Summe

[dB(A)] : 63.0 125 250 500 1000 2000 4000 8000 Lr

[dB(A)] : 28.9 22.4 22.6 19.6 14.9 12.4 7.6 -7.7 31.1

[dB(A)] : 29.5 23.0 23.2 20.2 15.5 13.0 8.2 -7.1 31.7

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl	Lw _{ges}	Lw _{ges}	Korr.	min.	Ds	DI	Cmet		Drefl		Adiv		Agr	Aatm	Abar	L AT		Zeitrauschläge		Lm	
		Tag	Nacht			Tag	Nacht					Tag	Nacht			Tag	Nacht				Tag	Nacht	Tag	Nacht	Tag	Nacht
Dach Bar	-	56.7	56.7	Lw"	2.01	23.6	70.4	70.4	0.0	45.3	0.01	0.0	-0.5	0.0	-39.8	3.0	0.0	0.0	-9.4	23.7	23.7	-0.6	0.0	0.0	23.1	23.7
Eingangstür	-	69.4	69.4	Lw"	3.01	13.6	78.2	78.2	0.0	45.7	3.01	0.0	0.0	0.0	-44.2	3.0	-0.3	0.0	-24.9	14.8	14.8	-0.6	0.0	0.0	14.2	14.8
Fenster Bar	-	52.4	52.4	Lw"	3.01	13.2	78.2	78.2	0.0	45.7	3.01	0.0	0.0	0.0	-39.5	3.0	0.0	0.0	-9.2	21.1	21.1	-0.6	0.0	0.0	20.5	21.1
Fenster Büro	-	52.7	52.7	Lw"	3.01	13.2	78.2	78.2	0.0	45.7	3.01	0.0	0.0	0.0	-42.6	3.0	0.0	0.0	-11.0	11.1	11.1	-0.6	0.0	0.0	10.5	11.1
Fenster Kicker	-	42.7	42.7	Lw"	3.01	7.0	61.1	61.1	0.0	38.1	3.01	0.0	0.0	0.0	-41.8	3.0	0.0	0.0	-11.6	13.8	13.8	-0.6	0.0	0.0	13.2	13.8
Fenster Nebeneingang	-	42.7	42.7	Lw"	3.01	2.0	45.6	45.6	0.0	21.1	3.01	0.0	0.0	0.0	-37.7	3.0	0.0	0.0	-20.8	-6.5	-6.5	-0.6	0.0	0.0	-7.1	-6.5
Fenster Vordraum	-	67.7	67.7	Lw"	3.01	2.0	70.7	70.7	0.0	22.1	3.01	0.0	0.0	0.0	-37.9	3.0	0.0	0.0	-20.1	18.7	18.7	-0.6	0.0	0.0	18.1	18.7
Fenster Kellereingang	-	62.4	62.4	Lw"	3.01	16.1	74.5	74.5	0.0	35.2	3.01	0.0	0.0	0.0	-42.8	3.0	0.0	0.0	-16.5	21.3	21.3	-0.6	0.0	0.0	20.7	21.3
Fenster Kellereingang	-	47.4	47.4	Lw"	3.01	8.2	56.6	56.6	0.0	29.9	3.01	0.0	0.0	0.0	-40.7	3.0	0.0	0.0	-15.9	6.0	6.0	-0.6	0.0	0.0	5.4	6.0
Fenster Kellereingang	-	66.0	66.0	Lw"	3.01	1.7	40.9	40.9	0.0	24.8	3.01	0.0	0.0	0.0	-38.9	3.0	0.0	0.0	-22.4	7.7	7.7	-0.6	0.0	0.0	7.1	7.7
Notausgang 1	-	38.6	38.6	Lw"	3.01	1.7	40.9	40.9	0.0	40.5	3.01	0.0	-0.5	0.0	-43.2	3.0	0.0	0.0	-7.4	-4.2	-4.2	-0.6	0.0	0.0	-4.8	-4.2
Notausgang 2	-	63.6	63.6	Lw"	3.01	3.8	69.3	69.3	0.0	31.5	3.01	0.0	0.0	0.0	-41.0	3.0	0.0	0.0	-6.5	25.8	25.8	-0.6	0.0	0.0	25.2	25.8
Parkten	-	44.3	44.3	Lw"	2.01	466.8	71.0	71.0	0.0	45.3	3.01	0.0	-1.0	0.0	-45.1	3.0	-0.3	0.0	-23.0	24.3	24.3	-0.6	0.0	0.0	23.7	24.3
Parkten	-	71.5	71.5	Lw"	2.01	4.9	78.4	78.4	0.0	23.3	3.01	0.0	0.0	0.0	-38.6	3.0	0.0	0.0	-16.7	19.9	19.9	-0.6	0.0	0.0	19.3	19.9
Personen	-	63.7	63.7	Lw"	3.01	2.9	68.3	68.3	0.0	22.5	3.01	0.0	0.0	0.0	-38.0	3.0	0.0	0.0	-16.7	19.9	19.9	-0.6	0.0	0.0	19.3	19.9
Tür Raucherbereich	-	63.7	63.7	Lw"	3.01	2.9	68.3	68.3	0.0	22.5	3.01	0.0	0.0	0.0	-38.0	3.0	0.0	0.0	-16.7	19.9	19.9	-0.6	0.0	0.0	19.3	19.9

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung
Aufpunktbezeichnung: I019 2.OG WSW-FAS.
Aufpunkthöhe: Xl= 363.7042 km

Yl= 5689.4390 km
Zl= 251.68 m
Hl= 8.00 m

Nr. des Frequenzbereiches
Frequenz
Frequenz
Frequenz
Frequenz
Frequenz

1 2 3 4 5 6 7 8 Summe
[Hz] : 63.0 125 250 500 1000 2000 4000 8000
[dB(A)] : 33.4 28.1 30.7 32.3 34.5 31.7 25.5 -2.5 40.2
[dB(A)] : 34.0 28.7 31.3 32.9 35.1 32.3 26.1 -1.9 40.8
[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emission	Ident	Emission		RQ	Anz./L/Fl	Lw,ges	Korr.		min.	Dc	DI	Cmet		Drefl		Adiv	Agr	Aatm	Abar	L A _T		Zeitschläge				Lm			
		Tag	Nacht				Tag	Nacht				Tag	Nacht	Tag	Nacht					Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)	dB(A)	dB(A)		
Dach Bar	-	56.7	56.7	Lw"	2.0	23.6	70.4	70.4	25.3	0.0	0.0	0.0	0.0	0.0	0.1	-39.7	3.0	0.0	-4.6	29.1	29.1	-0.6	0.0	0.0	28.5	29.1	0.0	0.0	
Küchenstür	-	69.4	69.4	Lw"	3.0	7.6	78.2	78.2	45.8	3.0	0.0	0.0	0.0	0.0	0.0	-44.2	3.0	0.0	-23.3	16.5	16.5	-0.6	0.0	0.0	15.9	16.5	0.0	0.0	
Fenster Bar	-	52.4	52.4	Lw"	3.0	13.3	63.7	63.7	24.4	3.0	0.0	0.0	0.0	0.0	0.0	-39.6	3.0	0.0	-5.0	25.1	25.1	-0.6	0.0	0.0	24.5	25.1	0.0	0.0	
Fenster Büro	-	52.7	52.7	Lw"	3.0	3.6	58.2	58.2	38.3	3.0	0.0	0.0	0.0	0.0	0.0	13.4	-42.7	3.0	0.0	-20.0	14.9	14.9	-0.6	0.0	0.0	14.3	14.9	0.0	0.0
Fenster Kicker	-	52.7	52.7	Lw"	3.0	7.0	61.1	61.1	34.0	3.0	0.0	0.0	0.0	0.0	0.0	0.2	-41.9	3.0	0.0	-3.3	22.1	22.1	-0.6	0.0	0.0	21.5	22.1	0.0	0.0
Fenster Nebeneingang	-	42.7	42.7	Lw"	3.0	2.0	45.6	45.6	21.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-38.0	3.0	0.0	-17.4	-3.8	-3.8	-0.6	0.0	0.0	-4.4	-3.8	0.0	0.0
Fenster Vorraum	-	67.7	67.7	Lw"	3.0	2.0	70.7	70.7	35.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-38.1	3.0	0.0	-14.7	23.9	23.9	-0.6	0.0	0.0	23.3	23.9	0.0	0.0
Fenster zugemauert	-	62.4	62.4	Lw"	3.0	16.1	74.3	74.3	30.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-42.7	3.0	0.0	-10.8	27.0	27.0	-0.6	0.0	0.0	26.4	27.0	0.0	0.0
Fenster/NR1 zugemauert	-	47.4	47.4	Lw"	3.0	9.2	56.6	56.6	24.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-40.8	3.0	0.0	-11.3	10.5	10.5	-0.6	0.0	0.0	9.9	10.5	0.0	0.0
Luftung	-	66.0	66.0	Lw"	3.0	1.7	40.9	40.9	30.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-38.7	3.0	0.0	-16.5	13.8	13.8	-0.6	0.0	0.0	13.2	13.8	0.0	0.0
Notausgang 1	-	38.6	38.6	Lw"	3.0	3.8	69.3	69.3	41.1	3.0	0.0	0.0	0.0	0.0	0.0	0.1	-43.3	3.0	0.0	-2.5	1.1	1.1	-0.6	0.0	0.0	0.0	0.0	0.0	0.0
Notausgang 2	-	63.6	63.6	Lw"	3.0	3.8	69.3	69.3	41.1	3.0	0.0	0.0	0.0	0.0	0.0	0.1	-43.3	3.0	0.0	-2.5	1.1	1.1	-0.6	0.0	0.0	0.0	0.0	0.0	0.0
Parkten	-	71.3	71.3	Lw"	2.0	4.9	78.4	78.4	45.8	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-45.1	3.0	0.0	-0.3	28.9	28.9	-0.6	0.0	0.0	28.3	28.9	0.0	0.0
Personen	-	63.7	63.7	Lw"	3.0	2.9	68.3	68.3	23.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	-38.8	3.0	0.0	-14.2	22.7	22.7	-0.6	0.0	0.0	22.1	22.7	0.0	0.0
Tür Raucherbereich	-	63.7	63.7	Lw"	3.0	2.9	68.3	68.3	23.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-38.4	3.0	0.0	-13.2	22.7	22.7	-0.6	0.0	0.0	22.1	22.7	0.0	0.0

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung
- GEB.: OFFERSTR. 2A+2

Aufpunktbezeichnung: I019 3.OG WSW-FAS.
Aufpunktlage: Xi= 363.7042 km
Yi= 5689.4390 km
Zi= 254.68 m
Hi= 11.00 m

Nr. des Frequenzbereiches
Frequenz
Regel FR
Regel FN
Regel FL

1 2 3 4 5 6 7 8 Summe
[Hz]: 63.0 125 250 500 1000 2000 4000 8000 Lr
[dB(A)]: 33.5 29.3 32.2 33.0 35.2 32.5 26.2 0.5 40.9
[dB(A)]: 34.1 29.9 32.8 33.6 35.8 33.1 26.8 1.1 41.5
[dB(A)]: -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/F1	Lw,ges Tag Nacht	Korr. Formel	min. ds	Dc	DI	Cmet		mittlere Werte für		Agr	Atm	bbar	L AF		Zeitzuschläge		KR		Im	
		Tag	Nacht			Tag					Tag	Nacht	Tag	Nacht				Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	Lw"	23.6	70.4	70.4	25.7	0.0	0.0	0.0	0.0	0.1	-39.8	3.0	0.0	-4.3	29.4	29.4	-0.6	0.0	0.0	0.0	28.8	29.4
Eingangstür	-	69.4	69.4	Lw"	7.6	78.2	78.2	46.2	3.0	0.0	0.0	0.0	0.0	-44.3	3.0	-0.2	-23.3	16.4	16.4	-0.6	0.0	0.0	0.0	15.8	16.4
Fenster Bar	-	52.4	52.4	Lw"	13.3	63.7	63.7	23.1	3.0	0.0	0.0	0.0	0.0	-39.6	3.0	0.0	-9.4	20.7	20.7	-0.6	0.0	0.0	0.0	20.1	20.7
Fenster Büro	-	52.7	52.7	Lw"	3.6	58.2	58.2	38.3	3.0	0.0	0.0	0.0	0.0	-42.8	3.0	0.1	0.0	23.5	23.5	-0.6	0.0	0.0	0.0	22.9	23.5
Fenster Kicker	-	52.7	52.7	Lw"	7.0	61.1	61.1	24.8	3.0	0.0	0.0	0.0	0.0	-42.1	3.0	0.0	-4.5	20.7	20.7	-0.6	0.0	0.0	0.0	20.1	20.7
Fenster Nebeneingang	-	42.7	42.7	Lw"	2.0	45.6	45.6	23.6	3.0	0.0	0.0	0.0	0.0	-38.4	3.0	0.0	-15.5	-2.2	-2.2	-0.6	0.0	0.0	0.0	-2.8	-2.2
Fenster Vorraum	-	67.7	67.7	Lw"	2.0	74.7	74.7	35.7	3.0	0.0	0.0	0.0	0.0	-42.8	3.0	0.0	-14.1	24.2	24.2	-0.6	0.0	0.0	0.0	23.6	24.2
Fenster zugemauert	-	62.4	62.4	Lw"	16.1	56.6	56.6	30.5	3.0	0.0	0.0	0.0	0.0	-40.9	3.0	0.0	-9.9	27.7	27.7	-0.6	0.0	0.0	0.0	27.2	27.7
Fenster/NR zugemauert	-	47.4	47.4	Lw"	8.2	56.6	56.6	24.4	0.0	0.0	0.0	0.0	0.0	-38.8	3.0	0.0	-10.3	11.4	11.4	-0.6	0.0	0.0	0.0	10.6	11.4
Lüftung	-	66.0	66.0	Lw"	1.7	60.9	60.9	41.7	3.0	0.0	0.0	0.0	0.0	-43.4	3.0	-0.1	-2.8	1.6	1.6	-0.6	0.0	0.0	0.0	1.6	1.6
Notausgang 1	-	38.6	38.6	Lw"	3.0	69.3	69.3	32.8	3.0	0.0	0.0	0.0	0.0	-41.3	3.0	0.0	-2.8	31.4	31.4	-0.6	0.0	0.0	0.0	30.8	31.4
Notausgang 2	-	44.3	44.3	Lw"	2.0	71.0	71.0	36.4	0.0	0.0	0.0	0.0	0.0	-39.2	3.0	-0.3	0.0	28.6	28.6	-0.6	0.0	0.0	0.0	28.1	28.6
Parken	-	71.3	71.3	Lw"	4.9	78.4	78.4	25.1	0.0	0.0	0.0	0.0	0.0	-39.2	3.0	0.0	-12.6	30.1	30.1	-0.6	0.0	0.0	0.0	29.5	30.1
Personen	-	63.7	63.7	Lw"	2.9	68.3	68.3	24.3	3.0	0.0	0.0	0.0	0.0	-38.9	3.0	0.0	-11.2	24.6	24.6	-0.6	0.0	0.0	0.0	24.0	24.6
Tür Raucherbereich	-	63.7	63.7	Lw"	3.0	68.3	68.3	24.3	3.0	0.0	0.0	0.0	0.0	-38.9	3.0	0.0	-11.2	24.6	24.6	-0.6	0.0	0.0	0.0	24.0	24.6

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: OFFENSTR. 2M2

Aufpunktbezeichnung: I030 EG SSO-FAS.

Nr. des Frequenzbereiches

Frequenz

Pegel FN

Pegel RW

Pegel FL

<ID>

[Hz]

[dB(A)]

[dB(A)]

[dB(A)]

1

2

3

4

5

6

7

8

Summe

63.0

125

250

500

1000

2000

4000

8000

Lr

33.2

28.2

24.4

17.0

14.7

10.4

-2.4

35.8

33.8

28.8

29.2

17.6

15.3

11.0

-1.8

36.4

-96.0

-96.0

-96.0

-96.0

-96.0

-96.0

-96.0

-96.0

-96.0

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Summe

63.0

125

250

500

1000

2000

4000

8000

Lr

33.2

28.2

24.4

17.0

14.7

10.4

-2.4

35.8

33.8

28.8

29.2

17.6

15.3

11.0

-1.8

36.4

-96.0

-96.0

-96.0

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Projekt:
B 7010

Auftrag
B7010BGE

Datum
05/05/2013

Seite
6

Berechnung nach ISO 9613, Langzeit-Mittelung
 Aufpunktbezeichnung: I030 1.OG SSO-FAS.
 Nr. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
 Frequenz [Hz]: 63.0 125 250 500 1000 2000 4000 8000
 Pegel Pr [dB(A)]: 35.0 30.7 31.7 30.7 30.6 27.5 22.1 -2.7 39.2
 Pegel PN [dB(A)]: 35.6 30.7 31.7 30.7 30.7 31.2 28.1 22.7 -2.1 39.8
 Pegel PL [dB(A)]: -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl	Lw,ges		Korr. Formel	min. ds	Dc	DI	Cmet		Agr	Aatm	Abar	L AT		Zeitzuschläge		Lm (L AT+KZ+KR)		
		Tag	Nacht			Tag	Nacht					Tag	Nacht				Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag
mittlere Werte für																							
		dB(A)		dB(A)		dB		dB		dB		dB		dB		dB		dB(A)		dB(A)		dB(A)	
Dach Bar	-	56.7	56.7	56.7	56.7	70.4	70.4	0.0	15.3	0.0	0.0	0.0	0.0	3.0	0.0	-6.6	31.2	31.2	-0.6	0.0	30.6	31.2	
Eingangstür	-	69.4	69.4	69.4	69.4	78.2	78.2	0.0	35.5	3.0	0.0	0.0	0.0	3.0	0.0	-0.2	-24.9	17.1	-0.6	0.0	16.5	17.1	
Fenster Bar	-	52.4	52.4	52.4	52.4	63.7	63.7	0.0	14.3	3.0	0.0	0.0	0.0	3.0	0.0	-6.6	27.6	27.6	-0.6	0.0	27.0	27.6	
Fenster Büro	-	52.7	52.7	52.7	52.7	58.2	58.2	0.0	29.1	3.0	0.0	0.0	0.0	3.0	0.0	-7.1	18.7	18.7	-0.6	0.0	18.1	18.7	
Fenster Kicker	-	52.7	52.7	52.7	52.7	61.1	61.1	0.0	24.6	3.0	0.0	0.0	0.0	3.0	0.0	-7.1	20.9	20.9	-0.6	0.0	20.3	20.9	
Fenster Nebeneingang	-	42.7	42.7	42.7	42.7	45.6	45.6	0.0	12.6	3.0	0.0	0.0	0.0	3.0	0.0	-18.4	0.1	0.1	-0.6	0.0	-0.5	0.1	
Fenster Vorraum	-	67.7	67.7	67.7	67.7	70.7	70.7	0.0	22.5	3.0	0.0	0.0	0.0	3.0	0.0	-16.6	27.1	27.1	-0.6	0.0	26.5	27.1	
Fenster zugemauert	-	62.4	62.4	62.4	62.4	74.5	74.5	0.0	21.3	3.0	0.0	0.0	0.0	3.0	0.0	-15.0	25.4	25.4	-0.6	0.0	24.8	25.4	
Fensterflügelzugemauert	-	47.4	47.4	47.4	47.4	56.6	56.6	0.0	14.3	3.0	0.0	0.0	0.0	3.0	0.0	-17.7	13.7	13.7	-0.6	0.0	13.1	13.7	
Luftung	-	66.0	66.0	66.0	66.0	69.3	69.3	0.0	21.3	3.0	0.0	0.0	0.0	3.0	0.0	-17.7	21.4	21.4	-0.6	0.0	20.8	21.4	
Notausgang 1	-	38.6	38.6	38.6	38.6	40.9	40.9	0.0	32.1	3.0	0.0	0.0	0.0	3.0	0.0	-3.9	31.9	31.9	-0.6	0.0	31.3	31.9	
Notausgang 2	-	44.3	44.3	44.3	44.3	69.3	69.3	0.0	22.5	3.0	0.0	0.0	0.0	3.0	0.0	-5.5	31.8	31.8	-0.6	0.0	31.2	31.8	
Parken	-	71.5	71.5	71.5	71.5	78.4	78.4	0.0	38.2	0.0	0.0	0.0	0.0	3.0	0.0	-0.5	32.8	32.8	9.4	10.0	30.7	34.8	
Personen	-	63.7	63.7	63.7	63.7	68.3	68.3	0.0	14.1	0.0	0.0	0.0	0.0	3.0	0.0	-15.9	31.3	31.3	-0.6	0.0	30.7	31.3	
Tür Raucherbereich	-	63.7	63.7	63.7	63.7	68.3	68.3	0.0	13.8	3.0	0.0	0.0	0.0	3.0	0.0	-13.4	27.2	27.2	-0.6	0.0	26.6	27.2	

Projekt:
B 7010

Auftrag
B7010SEGE

Datum
05/05/2013

Seite
7

Berechnung nach ISO 9613, Langzeit-Mittelung
Aufpunktbezeichnung: 1030 2.OG SSO-FAS.
Nr. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
Frequenz [Hz] : 63.0 125 250 500 1000 2000 4000 8000
[dB(A)] : 36.0 31.6 34.0 34.7 36.4 33.2 27.1 3.0 42.4
Frequenz [Hz] : 16.0 31.6 63.0 125 250 500 1000 2000 4000 8000
[dB(A)] : 26.0 31.6 34.0 35.3 37.0 33.8 27.1 3.6 43.0
Frequenz [Hz] : 16.0 31.6 63.0 125 250 500 1000 2000 4000 8000
[dB(A)] : 26.0 31.6 34.0 35.3 37.0 33.8 27.1 3.6 43.0

Emission	Ident	RQ	Anz./L/Fl	Lw,ges	Korr.	min.	Dc	DI	Cmet	Tag	Nacht	Drefl	Adiv	Agr	Aatm	Abar	L A,T	Zeitruschlage				Lm	
Tag	Nacht	dB(A)	dB(A)	dB(A)	dB	m	ds	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB	dB	dB	dB(A)	dB(A)	dB(A)
56.7	56.7	56.7	70.4	70.4	0.0	15.5	0.0	0.0	0.0	0.0	0.0	0.1	-35.7	3.0	0.0	-5.3	32.5	32.5	-0.6	0.0	31.9	32.5	32.5
69.4	69.4	69.4	78.2	78.2	0.0	35.7	3.0	0.0	0.0	0.0	0.0	0.0	-42.1	3.0	0.0	-23.5	19.4	19.4	-0.6	0.0	17.8	18.4	18.4
52.4	52.4	52.4	63.7	63.7	0.0	14.9	3.0	0.0	0.0	0.0	0.0	0.0	-35.4	3.0	0.0	-6.8	27.3	27.3	-0.6	0.0	26.7	27.3	27.3
52.7	52.7	52.7	58.2	58.2	0.0	28.7	3.0	0.0	0.0	0.0	0.0	2.4	-39.4	3.0	0.0	-5.9	20.3	20.3	-0.6	0.0	19.7	20.3	20.3
52.7	52.7	52.7	61.1	61.1	0.0	24.9	3.0	0.0	0.0	0.0	0.0	4.3	-39.4	3.0	0.0	-20.0	12.0	12.0	-0.6	0.0	11.4	12.0	12.0
42.7	42.7	42.7	45.6	45.6	0.0	13.6	3.0	0.0	0.0	0.0	0.0	0.0	-33.8	3.0	0.0	-20.0	12.0	12.0	-0.6	0.0	11.4	12.0	12.0
67.7	67.7	67.7	70.7	70.7	0.0	13.5	3.0	0.0	0.0	0.0	0.0	0.0	-33.8	3.0	0.0	-14.9	28.2	28.2	-0.6	0.0	27.6	28.2	28.2
62.4	62.4	62.4	74.5	74.5	0.0	13.5	3.0	0.0	0.0	0.0	0.0	0.0	-40.2	3.0	0.0	-11.4	28.9	28.9	-0.6	0.0	28.3	28.9	28.9
47.4	47.4	47.4	56.6	56.6	0.0	14.1	3.0	0.0	0.0	0.0	0.0	0.0	-37.7	3.0	0.0	-10.6	14.3	14.3	-0.6	0.0	13.7	14.3	14.3
66.0	66.0	66.0	56.6	56.6	0.0	14.1	3.0	0.0	0.0	0.0	0.0	0.0	-37.7	3.0	0.0	-10.6	14.3	14.3	-0.6	0.0	13.7	14.3	14.3
38.6	38.6	38.6	48.9	48.9	0.0	32.6	3.0	0.0	0.0	0.0	0.0	0.0	-41.3	3.0	0.0	-2.5	3.1	3.1	-0.6	0.0	2.5	3.1	3.1
63.6	63.6	63.6	69.3	69.3	0.0	32.6	3.0	0.0	0.0	0.0	0.0	0.1	-38.3	3.0	0.0	-4.0	30.6	30.6	-0.6	0.0	29.0	30.6	30.6
44.3	44.3	44.3	71.0	71.0	0.0	39.6	0.0	0.0	0.0	0.0	0.0	0.8	-43.9	3.0	-0.3	0.0	32.6	32.6	-0.6	0.0	32.0	32.6	32.6
71.5	71.5	71.5	78.4	78.4	0.0	15.2	0.0	0.0	0.0	0.0	0.0	0.7	-35.0	3.0	0.0	-14.5	20.6	20.6	-0.6	0.0	20.0	20.6	20.6
63.7	63.7	63.7	68.3	68.3	0.0	14.9	3.0	0.0	0.0	0.0	0.0	0.9	-34.5	3.0	-0.1	-20.0	20.6	20.6	-0.6	0.0	20.0	20.6	20.6

Projekt:
B 7010Auftrag
B7010BGEDatum
05/05/2013Seite
8Berechnung nach ISO 9613, Langzeit-Mittelung
Aufpunktbezeichnung: I030 3.06 S90-PAB.X1= 363.7132 km
X2= 5693.4343 km
Z1= 234.67 m
H1= 11.00 m

<ID>=

Mittleres Frequenzband

Korrektur

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Projekt:
B 7010Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: OFFERSTR. 3
EG SW -FAS.

Aufpunktbezeichnung: I021

Aufpunktlage: X1= 363.7255 km

Y1= 5689.4686 km

Z1= 246.45 m

H1= 2.00 m

Nr. des Frequenzbereiches

Frequenz

Pegel FN

Pegel FL

1 2 3 4 5 6 7 8 Summe

[Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr

[dB(A)] : 35.9 25.4 31.9 34.3 34.4 31.9 28.5 6.0 41.3

[dB(A)] : 36.5 26.0 32.5 34.9 35.0 32.5 29.1 6.6 41.9

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Existenz	Name	Ident	Emission		RQ	Anz./L/F1	Lw _{ges}	Korrz.		min.	Dc	Di	Qnet		mittlere Werte für		Atm	Pbar	L Ar		Zeitrauschläge		KR	Im		
			Tag	Nacht				Tag	Nacht				formal	ds	Tag	Nacht			Drift	Activ	Agr	dB(A)		dB	Tag	Nacht
			dB(A)	dB(A)		/ m / qm	dB(A)	dB	m		dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB	dB	dB	dB(A)	dB(A)	dB(A)	dB(A)
-	Dach Bar	-	56.7	56.7	70.4	2.0	23.6	70.4	0.0	44.5	0.0	0.0	-1.1	-1.1	0.0	-44.4	3.0	0.0	16.3	16.3	-0.6	0.0	0.0	15.7	16.3	
-	Eingangstür	-	69.4	69.4	78.2	3.0	7.6	78.2	0.0	55.1	3.0	0.0	-0.1	-0.1	2.3	-45.8	3.0	-0.3	40.3	40.3	-0.6	0.0	0.0	39.7	40.3	
-	Fenster Bar	-	52.7	52.7	63.7	3.0	13.3	63.7	0.0	45.0	3.0	0.0	0.0	0.0	0.0	-44.6	3.0	0.0	13.7	13.7	-0.6	0.0	0.0	-0.5	0.1	
-	Fenster Büro	-	52.7	52.7	58.2	3.0	3.6	58.2	0.0	59.1	3.0	0.0	0.0	0.0	0.9	-46.4	3.0	0.0	20.5	1.5	-0.6	0.0	0.0	0.9	1.5	
-	Fenster Nebeneingang	-	42.7	42.7	61.1	3.0	7.0	61.1	0.0	54.8	3.0	0.0	0.0	0.0	1.0	-46.3	3.0	0.0	-11.9	-11.9	-0.6	0.0	0.0	-12.5	-11.9	
-	Fenster Vorraum	-	67.7	67.7	45.6	3.0	2.0	45.6	0.0	45.0	3.0	0.0	-0.1	-0.1	0.0	-43.8	3.0	0.0	13.3	13.3	-0.6	0.0	0.0	12.7	13.3	
-	Fenster zugemauert	-	62.4	62.4	74.5	3.0	16.1	74.5	0.0	43.7	3.0	0.0	0.0	0.0	0.0	-44.1	3.0	0.0	36.4	36.4	-0.6	0.0	0.0	35.8	36.4	
-	Fenster Ritzgemauert	-	47.4	47.4	74.3	3.0	8.2	74.3	0.0	35.6	3.0	0.0	0.0	0.0	2.0	-42.0	3.0	0.0	22.6	22.6	-0.6	0.0	0.0	22.0	22.6	
-	Luftung	-	66.0	66.0	66.0	3.0	1.0	66.0	0.0	42.7	0.0	0.0	-0.3	-0.3	0.0	-43.6	3.0	-0.1	3.2	3.2	-0.6	0.0	0.0	-5.2	-4.6	
-	Notausgang 1	-	58.6	58.6	40.9	3.0	1.7	40.9	0.0	62.8	3.0	0.0	-1.0	-1.0	0.0	-47.0	3.0	0.0	14.6	14.6	-0.6	0.0	0.0	14.8	15.4	
-	Notausgang 2	-	44.3	44.3	69.3	3.0	3.8	69.3	0.0	52.7	3.0	0.0	-0.2	-0.2	0.0	-45.4	3.0	0.0	16.0	16.0	-0.6	0.0	0.0	15.4	16.0	
-	Parken	-	71.5	71.5	71.0	2.0	466.8	71.0	0.0	71.4	0.0	0.0	-1.4	-1.4	0.2	-49.0	3.0	-0.1	9.4	9.4	-0.6	0.0	0.0	16.6	17.2	
-	Personen	-	63.7	63.7	78.4	2.0	4.9	78.4	0.0	45.1	0.0	0.0	-0.4	-0.4	0.0	-44.2	3.0	-0.1	17.2	17.2	-0.6	0.0	0.0	16.6	17.2	
-	Tür Raucherbereich	-	63.7	63.7	68.3	3.0	2.9	68.3	0.0	46.2	3.0	0.0	-0.4	-0.4	0.0	-44.5	3.0	-0.1	10.3	10.3	-0.6	0.0	0.0	9.7	10.3	

Projekt:
B 7010

Auftrag
B7010BGE

Datum
05/05/2013

Seite
10

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: OFFERSTR. 3
Aufpunktbezeichnung: 1021 1.OG SW -PAS.
Aufpunktlage: X1= 363.7255 Km
Z1= 5689.4686 Km
H1= 249.45 m
5.00 m

Emittent Name	Ident	Emission		RQ	Anz./L/Pl	Lw,ges	Korr.	min.	Dc	DI	Cmet		Drefl		Abar		L Ar		Zeitzuschläge		Im	
		Tag	Nacht			Tag	Nacht				Tag	Nacht					Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	2.0	23.6	70.4	70.4	0.0	44.4	0.0	0.0	0.0	0.0	0.0	-9.5	19.5	19.5	-0.6	0.0	0.0	18.9	19.5
Eingangstür	-	69.4	69.4	3.0	7.6	78.2	78.2	0.0	55.1	0.0	0.0	0.0	0.0	0.0	0.0	40.4	40.4	-0.6	0.0	0.0	39.8	40.4
Fenster Bar	-	52.4	52.4	3.0	13.3	63.7	63.7	0.0	45.0	0.0	0.0	0.0	0.0	0.0	-10.6	14.6	14.6	-0.6	0.0	0.0	14.0	14.6
Fenster Büro	-	52.7	52.7	3.0	3.6	58.2	58.2	0.0	59.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	-0.6	0.0	0.0	0.0	0.6
Fenster Kicker	-	52.7	52.7	3.0	7.0	61.1	61.1	0.0	54.9	0.0	0.0	0.0	0.0	0.0	0.0	19.4	19.4	-0.6	0.0	0.0	18.8	19.4
Fenster Nebeneingang	-	42.7	42.7	3.0	2.0	45.6	45.6	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0	0.0	0.0
Fenster Vorraum	-	67.7	67.7	3.0	16.1	70.7	70.7	0.0	43.2	0.0	0.0	0.0	0.0	0.0	0.0	13.6	13.6	-0.6	0.0	0.0	13.0	13.6
Fenster zugemauert	-	62.4	62.4	3.0	8.2	74.5	74.5	0.0	45.6	0.0	0.0	0.0	0.0	0.0	0.0	36.4	36.4	-0.6	0.0	0.0	35.8	36.4
Fenster/NR/zugemauert	-	47.4	47.4	3.0	1.7	56.6	56.6	0.0	35.6	0.0	0.0	0.0	0.0	0.0	0.0	22.6	22.6	-0.6	0.0	0.0	22.0	22.6
Luftung	-	66.0	66.0	3.0	3.6	69.3	69.3	0.0	42.4	0.0	0.0	0.0	0.0	0.0	-0.1	20.9	20.9	-0.6	0.0	0.0	20.3	20.9
Notausgang 1	-	63.6	63.6	3.0	3.6	69.3	69.3	0.0	42.4	0.0	0.0	0.0	0.0	0.0	-0.1	20.9	20.9	-0.6	0.0	0.0	20.3	20.9
Notausgang 2	-	63.6	63.6	3.0	3.6	69.3	69.3	0.0	42.4	0.0	0.0	0.0	0.0	0.0	-0.1	20.9	20.9	-0.6	0.0	0.0	20.3	20.9
Parken	-	44.3	44.3	2.0	4.9	78.4	78.4	0.0	45.3	0.0	0.0	0.0	0.0	0.0	-0.1	18.9	18.9	-0.6	0.0	0.0	18.3	18.9
Parkieren	-	71.5	71.5	3.0	2.9	68.3	68.3	0.0	46.4	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	-0.6	0.0	0.0	11.4	12.0
Tür Raucherbereich	-	65.7	65.7	3.0	2.9	68.3	68.3	0.0	46.4	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	-0.6	0.0	0.0	11.4	12.0

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: OFFENSTR. 3
Aufpunktbezeichnung: I021 3.06 SW-FAS.
Aufpunktlage: Xi= 363.7255 Km
Zi= 369.1686 Km
Hl= 233.03 m
Hl= 11.00 m

<ID>-
Nr. des Frequenzbereiches
Frequenz
Pegel PN
Pegel PL

1 2 3 4 5 6 7 8 Summe
[Hz] : 63.0 125 250 500 1000 2000 4000 8000
[dB(A)] : 35.8 25.9 32.1 34.4 34.5 32.0 28.5 6.0 41.4
[dB(A)] : 36.4 26.5 32.7 35.0 35.1 32.6 29.1 6.6 42.0
[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emission Name	Ident	Emission		RQ	Anz./l/Fl	Lw,ges		Korr.		min. ds	Dc	DI	Cmet		mittlere Werte für		Agr	Atm	Abar	L AT		Zeitruschläge		Im				
		Tag	Nacht			Tag	Nacht	Formel	m				dB	dB(A)	Tag	Nacht				Tag	Nacht	Tag	Nacht		Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	dB(A)		dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)			
Dach Bar	-	56.7	56.7	2.0	23.6	70.4	70.4	0.0	0.0	44.8	0.0	0.0	0.0	0.0	0.0	0.0	-44.5	3.0	0.0	-8.1	20.8	20.8	-0.6	0.0	0.0	20.2	20.8	
Eingangstür	-	69.4	69.4	3.0	7.6	78.2	78.2	0.0	0.0	55.6	3.0	0.0	0.0	0.0	0.0	0.0	-45.9	3.0	-0.3	0.0	40.3	40.3	-0.6	0.0	0.0	39.7	40.3	
Fenster Bar	-	52.4	52.4	3.0	13.3	63.7	63.7	0.0	0.0	44.5	3.0	0.0	0.0	0.0	0.0	0.0	-44.1	3.0	0.0	-9.5	15.5	15.5	-0.6	0.0	0.0	14.9	15.5	
Fenster Büro	-	52.7	52.7	3.0	3.6	58.2	58.2	0.0	0.0	59.7	3.0	0.0	0.0	0.0	0.0	0.0	-46.2	3.0	0.0	-17.6	0.1	0.1	-0.6	0.0	0.0	0.0	-0.5	0.1
Fenster Kicker	-	52.7	52.7	3.0	7.0	61.1	61.1	0.0	0.0	55.4	3.0	0.0	0.0	0.0	0.0	0.0	-46.2	3.0	0.0	-17.6	4.5	4.5	-0.6	0.0	0.0	3.3	4.5	
Fenster Nebeneingang	-	42.7	42.7	3.0	2.0	45.6	45.6	0.0	0.0	46.0	3.0	0.0	0.0	0.0	0.0	0.0	-44.4	3.0	0.0	-18.2	-10.7	-10.7	-0.6	0.0	0.0	-11.3	-10.7	
Fenster Vorraum	-	67.7	67.7	3.0	2.0	70.7	70.7	0.0	0.0	44.6	3.0	0.0	0.0	0.0	0.0	0.0	-44.0	3.0	0.0	-17.2	15.5	15.5	-0.6	0.0	0.0	14.9	15.5	
Fenster zugemauert	-	62.4	62.4	3.0	16.1	74.5	74.5	0.0	0.0	40.8	3.0	0.0	0.0	0.0	0.0	0.0	-44.2	3.0	0.0	0.0	36.3	36.3	-0.6	0.0	0.0	35.7	36.3	
FensterKizugemauert	-	47.4	47.4	3.0	8.2	56.6	56.6	0.0	0.0	32.8	3.0	0.0	0.0	0.0	0.0	0.0	-42.2	3.0	-0.1	0.0	22.4	22.4	-0.6	0.0	0.0	21.8	22.4	
Lüftung	-	66.0	66.0	3.0	1.0	95.0	95.0	0.0	0.0	42.6	3.0	0.0	0.0	0.0	0.0	0.0	-43.6	3.0	0.0	-17.6	7.7	7.7	-0.6	0.0	0.0	7.1	7.7	
Nachgang 1	-	38.6	38.6	3.0	1.7	40.9	40.9	0.0	0.0	63.6	3.0	0.0	0.0	0.0	0.0	0.0	-47.1	3.0	0.0	-10.3	-10.3	-10.3	-0.6	0.0	0.0	-10.9	-10.3	
Nachgang 2	-	63.6	63.6	3.0	3.8	69.3	69.3	0.0	0.0	53.5	3.0	0.0	0.0	0.0	0.0	0.0	-45.6	3.0	0.0	-13.3	16.4	16.4	-0.6	0.0	0.0	15.8	16.4	
Parken	-	44.3	44.3	3.0	2.0	71.0	71.0	0.0	0.0	72.1	0.0	0.0	0.0	0.0	0.0	0.0	-49.1	3.0	-0.2	-10.0	14.9	14.9	-0.6	0.0	0.0	14.3	14.9	
Personen	-	71.5	71.5	2.0	466.8	71.0	71.0	0.0	0.0	46.2	0.0	0.0	0.0	0.0	0.0	0.0	-44.4	3.0	-0.1	-16.6	20.3	20.3	-0.6	0.0	0.0	19.7	20.3	
Tür Raucherbereich	-	63.7	63.7	3.0	2.9	68.3	68.3	0.0	0.0	47.3	3.0	0.0	0.0	0.0	0.0	0.0	-44.6	3.0	-0.1	-18.3	11.4	11.4	-0.6	0.0	0.0	10.8	11.4	

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: OFFERSTR. 3A+3B

Aufpunktbezeichnung: I022 EG WSW-FAS.

Aufpunktlage: Xl= 363.7643 Km

Yl= 5689.4569 Km

Zl= 245.15 m

Hl= 2.00 m

Nr. des Frequenzbereiches

Frequenz

Pegel FN

Pegel FN

Pegel FL

1

2

3

4

5

6

7

8

Summe

[Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr

[dB(A)] : 36.8 25.5 31.4 36.9 37.0 34.6 31.3 9.3 43.2

[dB(A)] : 37.4 26.1 32.0 37.5 37.6 35.2 31.9 9.9 43.8

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emission	Ident	Tag	Nacht	RQ	Roz./L/Fl	Lw,ges	Tag	Nacht	Korr.	min.	Dc	DI	Cmet	Tag	Nacht	Drefl	Adiv	Agr	Aatm	Abar	L A*	Tag	Nacht	Lm
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	Lw"	2.0	23.6	70.4	70.4	0.0	51.6	0.0	0.0	-1.2	-1.2	-1.2	0.0	-45.5	3.0	0.0	-12.0	14.7	14.7	14.7	14.7
Eingangstür	-	69.4	69.4	Lw"	3.0	7.6	78.2	78.2	0.0	45.1	3.0	0.0	0.0	0.0	0.0	0.0	-45.1	3.0	0.0	-13.4	10.6	10.6	10.6	10.6
Fenster Bar	-	52.4	52.4	Lw"	3.0	13.3	63.7	63.7	0.0	52.9	3.0	0.0	0.0	0.0	0.0	0.0	-46.5	3.0	0.0	-21.7	-3.8	-3.8	-3.8	-3.8
Fenster Büro	-	52.7	52.7	Lw"	3.0	3.6	58.2	58.2	0.0	59.5	3.0	0.0	0.0	0.0	0.0	0.0	-46.3	3.0	0.0	-21.7	-0.8	-0.8	-0.8	-0.8
Fenster Kicker	-	52.7	52.7	Lw"	3.0	7.0	61.1	61.1	0.0	57.3	3.0	0.0	0.0	0.0	0.0	0.0	-46.3	3.0	0.0	-21.7	-0.8	-0.8	-0.8	-0.8
Fenster Nebeneingang	-	42.7	42.7	Lw"	3.0	2.0	45.6	45.6	0.0	54.5	3.0	0.0	-0.5	-0.5	-0.5	0.0	-46.0	3.0	0.0	-19.9	-14.8	-14.8	-14.8	-14.8
Fenster Vorraum	-	67.7	67.7	Lw"	3.0	2.0	70.2	70.2	0.0	54.5	3.0	0.0	-0.2	-0.2	-0.2	0.0	-45.6	3.0	0.0	-20.9	10.0	10.0	10.0	10.0
Fenster zugemauert	-	62.4	62.4	Lw"	3.0	16.1	74.2	74.2	0.0	56.6	3.0	0.0	0.0	0.0	0.0	0.0	-42.8	3.0	0.0	0.0	37.6	37.6	37.6	37.6
Fenster/NR zugemauert	-	62.4	62.4	Lw"	3.0	8.2	66.0	66.0	0.0	56.6	3.0	0.0	0.0	0.0	0.0	0.0	-42.8	3.0	0.0	0.0	20.1	20.1	20.1	20.1
Luftung	-	47.4	47.4	Lw"	3.0	1.7	40.9	40.9	0.0	50.5	3.0	0.0	-0.6	-0.6	-0.6	0.0	-45.1	3.0	0.0	-23.7	1.4	1.4	1.4	1.4
Notausgang 1	-	63.6	63.6	Lw"	3.0	3.8	69.3	69.3	0.0	62.9	3.0	0.0	-1.0	-1.0	-1.0	0.0	-47.0	3.0	0.0	-15.1	-16.2	-16.2	-16.2	-16.2
Notausgang 2	-	63.6	63.6	Lw"	3.0	3.8	69.3	69.3	0.0	62.9	3.0	0.0	-1.0	-1.0	-1.0	0.0	-47.0	3.0	0.0	-15.1	-16.2	-16.2	-16.2	-16.2
Parken	-	74.3	74.3	Lw"	2.0	466.8	71.0	71.0	0.0	73.4	0.0	0.0	-1.4	-1.4	-1.4	0.4	-49.2	3.2	-0.2	-21.6	14.1	14.1	14.1	14.1
Personen	-	71.5	71.5	Lw"	2.0	4.9	78.4	78.4	0.0	53.9	0.0	0.0	-0.7	-0.7	-0.7	0.3	-45.7	3.0	-0.1	-21.1	8.1	8.1	8.1	8.1
Tür Raucherbereich	-	63.7	63.7	Lw"	3.0	2.9	68.3	68.3	0.0	56.3	3.0	0.0	-0.7	-0.7	-0.7	0.0	-46.2	3.0	-0.1	-19.2	8.1	8.1	8.1	8.1

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: OFFICESTR. 3A+3B <ID>-
Aufpunktbezeichnung: 1022 1.06 WSM-FAS.
Aufpunktfläche: Xi= 363.7643 Km
Zi= 569.4565 Km
Hl= 248.55 m
Hl= 5.00 m

Nr. des Frequenzbereiches
Frequenz
Pegel PT
Pegel PN
Pegel PL

[Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr Summe
[dB(A)] : 36.9 25.6 31.4 37.1 37.2 34.8 31.4 9.4 43.3
[dB(A)] : 37.5 26.2 32.0 37.7 37.8 35.4 32.0 10.0 43.9
[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Pl	Lw,ges		Korr. Formel	min. ds	Dc	DI	Cmet		mittlere Werte für		Agr	Aatm	L A T		Zeitruschläge		Lm			
		Tag	Nacht			Tag	Nacht					Tag	Nacht	Drefl	Adiv			Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)		
Dach Bar	-	56.7	56.7	Lw"	2.01	70.4	70.4	0.0	51.4	0.0	0.0	-0.1	-0.1	0.0	-45.3	3.0	0.0	-11.6	16.3	16.3	-0.6	0.0	15.7	16.3	
Eingangstür	-	69.4	69.4	Lw"	3.01	76.2	76.2	0.0	45.1	3.0	0.0	0.0	0.0	2.8	-44.1	3.0	-0.3	0.0	42.6	42.6	-0.6	0.0	42.0	42.6	
Fenster Bar	-	52.4	52.4	Lw"	3.01	68.2	68.2	0.0	52.9	3.0	0.0	0.0	0.0	0.0	-45.7	3.0	0.0	-13.3	10.7	10.7	-0.6	0.0	10.1	10.7	
Fenster Büro	-	52.7	52.7	Lw"	3.01	68.2	68.2	0.0	59.5	3.0	0.0	0.0	0.0	0.0	-46.5	3.0	-0.1	-22.0	-3.7	-3.7	-0.6	0.0	-4.3	-3.7	
Fenster Kicker	-	52.7	52.7	Lw"	3.01	61.1	61.1	0.0	57.2	3.0	0.0	0.0	0.0	0.0	-46.4	3.0	0.0	-21.8	-0.9	-0.9	-0.6	0.0	-1.5	-0.9	
Fenster Nebeneingang	-	42.7	42.7	Lw"	3.01	45.6	45.6	0.0	55.0	3.0	0.0	0.0	0.0	0.0	-46.0	3.0	0.0	-19.6	-14.0	-14.0	-0.6	0.0	-14.6	-14.0	
Fenster Vorraum	-	67.7	67.7	Lw"	3.01	70.7	70.7	0.0	53.5	3.0	0.0	0.0	0.0	0.0	-45.6	3.0	0.0	-20.6	10.5	10.5	-0.6	0.0	9.3	10.5	
Fenster zugemauert	-	67.4	67.4	Lw"	3.01	74.5	74.5	0.0	36.9	3.0	0.0	0.0	0.0	0.0	-42.9	3.0	0.0	0.0	37.6	37.6	-0.6	0.0	37.0	37.6	
FensterRizugemauert	-	67.4	67.4	Lw"	3.01	74.5	74.5	0.0	36.9	3.0	0.0	0.0	0.0	0.0	-42.9	3.0	0.0	0.0	20.1	20.1	-0.6	0.0	19.5	20.1	
Luftung	-	66.0	66.0	Lw	3.01	8.2	56.6	56.6	0.0	37.6	3.0	0.0	0.0	0.0	1.3	-45.0	3.0	-0.1	-23.4	1.8	1.8	-0.6	0.0	1.2	1.8
Notausgang 1	-	38.6	38.6	Lw	3.01	1.7	40.9	40.9	0.0	50.2	3.0	0.0	0.0	-0.1	0.0	-47.0	3.0	0.0	-15.1	-15.3	-15.3	-0.6	0.0	-15.9	-15.3
Notausgang 2	-	63.6	63.6	Lw"	3.01	3.8	69.3	69.3	0.0	52.9	3.0	0.0	0.0	0.0	0.0	-46.0	3.0	0.0	-15.8	13.5	13.5	-0.6	0.0	12.9	13.5
Parkten	-	44.3	44.3	Lw"	2.01	466.8	71.0	71.0	0.0	73.5	0.0	0.0	-0.6	-0.6	10.9	-49.3	3.0	-0.2	-21.0	13.8	13.8	10.0	0.0	23.2	23.8
Personen	-	71.5	71.5	Lw"	2.01	4.9	78.4	78.4	0.0	53.9	0.0	0.0	0.0	0.0	0.5	-45.7	3.0	-0.1	-21.1	15.0	15.0	-0.6	0.0	14.4	15.0
Tür Raucherbereich	-	63.7	63.7	Lw"	3.01	2.9	68.3	68.3	0.0	56.3	3.0	0.0	0.0	0.0	0.1	-46.1	3.0	-0.1	-18.8	9.3	9.3	-0.6	0.0	8.7	9.3

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 9
Aufpunktbezeichnung: I023 EG NW -FAS.
Aufpunktlage:
X1= 363.7899 km
Y1= 5689.4072 km
Z1= 247.90 m
H1= 2.00 m

Nr. des Frequenzbereiches
Frequenz
Pegel PN
Pegel PL

[Hz] : 63.0 125 250 500 1000 2000 4000 8000 16000
[dB(A)] : 37.7 26.2 31.1 33.0 32.9 30.0 26.8 4.3 41.2
[dB(A)] : 35.1 23.6 28.5 30.4 30.3 27.4 24.2 1.7 38.6
[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Existent Name	Ident	Emission		RQ	Anz./L/Pl	Lw,ges	Korr.		min.	Dc	DI	Cmet		mittlere Werte für		Aeqm	L Aeq		Zeitrauschläge		Lm	
		Tag	Nacht			Tag	Nacht	Formel				Tag	Nacht	Tag	Nacht		Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)		m	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	Le"	2.01	70.4	70.4	0.0	63.8	0.0	0.0	-1.4	-1.4	0.0	-47.2	3.2	12.7	12.7	-0.6	0.0	3.2	15.3
Eingangstür	-	69.4	69.4	Le"	3.01	78.2	78.2	0.0	63.8	0.0	0.0	0.0	0.0	0.0	-44.2	3.0	35.7	35.7	-0.6	0.0	3.2	38.3
Fenster Bar	-	52.4	52.4	Le"	3.01	63.7	63.7	0.0	60.5	0.0	0.0	-0.3	-0.3	0.0	-47.4	3.0	8.6	8.6	-0.6	0.0	3.2	11.2
Fenster Büro	-	52.7	52.7	Le"	3.01	63.7	63.7	0.0	60.5	0.0	0.0	-0.1	-0.1	0.0	-46.7	3.0	-0.1	-0.1	-0.6	0.0	3.2	2.5
Fenster Küche	-	52.7	52.7	Le"	3.01	63.7	63.7	0.0	60.5	0.0	0.0	-0.1	-0.1	0.0	-46.8	3.0	1.2	1.2	-0.6	0.0	3.2	3.8
Fenster Nebeneingang	-	42.7	42.7	Le"	3.01	45.6	45.6	0.0	70.5	0.0	0.0	-0.8	-0.8	0.0	-48.0	3.0	-15.4	-15.4	-0.6	0.0	3.2	-12.8
Fenster Vorraum	-	67.7	67.7	Le"	3.01	70.7	70.7	0.0	69.9	0.0	0.0	-0.7	-0.7	0.0	-47.9	3.0	8.0	8.0	-0.6	0.0	3.2	10.6
Fenster zugemauert	-	62.4	62.4	Le"	3.01	74.5	74.5	0.0	47.9	0.0	0.0	0.0	0.0	0.0	-45.2	3.0	35.3	35.3	-0.6	0.0	3.2	37.9
FensterRizugemauert	-	56.0	56.0	Le"	3.01	66.0	66.0	0.0	60.1	0.0	0.0	0.0	0.0	0.0	-46.7	3.0	14.1	14.1	-0.6	0.0	3.2	16.7
Luftung	-	38.6	38.6	Le"	3.01	40.9	40.9	0.0	61.5	0.0	0.0	-1.0	-1.0	0.0	-47.5	3.0	-14.2	-14.2	-0.6	0.0	3.2	-11.6
Notausgang 1	-	43.6	43.6	Le"	3.01	69.3	69.3	0.0	63.7	0.0	0.0	-0.5	-0.5	0.0	-46.8	3.0	12.5	12.5	-0.6	0.0	3.2	15.1
Notausgang 2	-	44.3	44.3	Le"	3.01	71.0	71.0	0.0	65.1	0.0	0.0	-1.3	-1.3	0.0	-48.2	3.0	4.9	4.9	-0.6	0.0	3.2	17.5
Parken	-	71.5	71.5	Le"	2.01	78.4	78.4	0.0	68.5	0.0	0.0	-1.0	-1.0	0.0	-47.7	3.0	11.9	11.9	-0.6	0.0	3.2	14.5
Personen	-	63.7	63.7	Le"	2.01	68.3	68.3	0.0	71.0	0.0	0.0	-1.0	-1.0	0.0	-48.1	3.0	7.9	7.9	-0.6	0.0	3.2	10.5
Für Raucherbereich	-	63.7	63.7	Le"	2.01	68.3	68.3	0.0	71.0	0.0	0.0	-1.0	-1.0	0.0	-48.1	3.0	7.9	7.9	-0.6	0.0	3.2	10.5

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 9
Aufpunktbezeichnung: 1023 3.06 3889 m
Auspunktlage: Xi= 5689.4072 km
Zi= 250.90 m
Hi= 5.00 m

Nr. des Frequenzbereiches
Frequenz
Pegel PT
Pegel PN
Pegel PL

[dB(A)] : 63.0 125 250 500 1000 2000 4000 8000 16000
[dB(A)] : 37.7 26.3 31.2 33.0 33.0 30.0 26.9 4.3 41.2
[dB(A)] : 35.1 23.7 28.6 30.4 30.4 27.4 24.3 1.7 38.6
[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./1/F1	Lw,ges	Korr.		min. ds	Dc	DI		Cmet		mittlere Werte für				Agr	Aatm	Abar	L Ar		Zeitzuschläge				Lm	
		Tag	Nacht				Tag	Nacht			Formel	m	dB	dB	Tag	Nacht	Tag	Nacht				Drefl	Adiv	dB	dB	dB	dB(A)	dB(A)	Tag
Dach Bar	-	56.7	56.7	2.0	23.6	70.4	70.4	0.0	63.8	0.0	0.0	0.0	-0.5	-0.5	0.0	-47.3	3.0	0.0	-11.4	14.2	14.2	-0.6	0.0	3.2	16.8	14.2			
Eingangstür	-	69.4	69.4	3.0	7.6	78.2	78.2	0.0	45.9	3.0	0.0	0.0	0.0	0.0	0.2	-44.2	3.0	-0.3	-4.2	35.7	35.7	-0.6	0.0	3.2	38.3	35.7			
Fenster Bar	-	52.4	52.4	3.0	13.3	63.7	63.7	0.0	64.9	3.0	0.0	0.0	0.0	0.0	0.0	-47.5	3.0	0.0	-13.4	8.8	8.8	-0.6	0.0	3.2	11.4	8.8			
Fenster Büro	-	52.7	52.7	3.0	3.6	58.2	58.2	0.0	60.6	3.0	0.0	0.0	0.0	0.0	0.0	-46.7	3.0	0.0	-17.1	0.4	0.4	-0.6	0.0	3.2	3.0	0.4			
Fenster Kicker	-	52.7	52.7	3.0	7.0	61.1	61.1	0.0	61.6	3.0	0.0	0.0	0.0	0.0	0.0	-46.9	3.0	-0.1	-18.4	1.8	1.8	-0.6	0.0	3.2	4.4	1.8			
Fenster Nebeneingang	-	42.7	42.7	3.0	2.0	45.6	45.6	0.0	70.6	3.0	0.0	0.0	0.0	0.0	0.8	-48.1	3.0	-0.1	-18.1	-13.9	-13.9	-0.6	0.0	3.2	-11.3	-13.9			
Fenster Vorraum	-	67.7	67.7	3.0	2.0	70.7	70.7	0.0	70.0	3.0	0.0	0.0	0.0	0.0	0.0	-47.9	3.0	-0.1	-19.9	8.9	8.9	-0.6	0.0	3.2	11.5	8.9			
Fenster Vordach	-	62.4	62.4	3.0	16.1	74.5	74.5	0.0	47.0	3.0	0.0	0.0	0.0	0.0	0.0	-45.1	3.0	0.0	-0.0	35.3	35.3	-0.6	0.0	3.2	37.9	35.3			
Fenster Wirtsgemauert	-	47.4	47.4	3.0	8.2	56.6	56.6	0.0	60.2	3.0	0.0	0.0	0.0	0.0	0.0	-46.7	3.0	0.0	-21.1	14.1	14.1	-0.6	0.0	3.2	16.7	14.1			
Flüftung	-	66.0	66.0	3.0	1.7	66.9	66.9	0.0	67.0	3.0	0.0	0.0	-0.1	-0.1	0.0	-47.5	3.0	-0.1	-12.1	0.2	0.2	-0.6	0.0	3.2	2.8	0.2			
Notausgang 1	-	38.6	38.6	3.0	3.8	40.9	40.9	0.0	61.7	3.0	0.0	0.0	0.0	0.0	0.0	-46.8	3.0	0.0	-13.1	-13.0	-13.0	-0.6	0.0	3.2	-10.4	-13.0			
Notausgang 2	-	63.6	63.6	3.0	1.7	69.3	69.3	0.0	63.9	3.0	0.0	0.0	0.0	0.0	0.0	-47.1	3.0	0.0	-14.9	13.3	13.3	-0.6	0.0	3.2	15.9	13.3			
Parkplatz	-	74.3	74.3	2.0	4.9	78.4	78.4	0.0	65.3	0.0	0.0	0.0	-0.5	-0.5	0.6	-48.2	3.0	-0.2	-19.4	6.3	6.3	9.0	3.2	18.9	16.3				
Personen	-	71.7	71.7	2.0	4.9	78.4	78.4	0.0	68.7	0.0	0.0	0.0	-0.1	-0.1	0.8	-47.7	3.0	-0.1	-21.2	13.1	13.1	-0.6	0.0	3.2	15.7	13.1			
Tür Raucherbereich	-	63.7	63.7	3.0	2.9	68.3	68.3	0.0	71.2	3.0	0.0	0.0	-0.1	-0.1	0.6	-48.2	3.0	-0.1	-17.4	9.1	9.1	-0.6	0.0	3.2	11.7	9.1			

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 9

Aufpunktbezeichnung: 1023 2.06 RW - PAB.

Aufpunktlage: Nr. des Frequenzbereiches

Hz: 63.0 125 250 500 1000 2000 4000 8000 Lr

Summe

dB(A): 37.7 26.6 31.3 33.1 32.7 29.7 26.0 4.0 41.1

Regel PN

dB(A): 35.1 24.0 28.7 30.5 30.1 27.1 23.4 1.4 38.5

Regel PL

dB(A): -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Emission		RQ	Anz./L/Fl	Lw,ges Tag Nacht	Korr. Formel		min. ds	Dc	DI	Qmet		mittlere Werte für		Aatm	L AT		Zeitzuschläge		Lm (L AT+KEZ+KR)	
	Tag	Nacht				Tag	Nacht				Formel	ds	Tag	Nacht		Dreht	Aditiv	Agr	Tag	Nacht	Tag
	dB(A)	dB(A)		/ m / cm	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)
-	56.7	56.7	2.01	23.6	70.4	70.4	0.0	63.9	0.01	0.0	0.0	0.0	0.0	0.0	0.0	15.2	15.2	0.0	0.0	17.8	15.2
Dach Barock	69.4	69.4	3.01	7.6	78.2	78.2	0.0	46.2	3.01	0.0	0.0	0.0	0.0	0.0	0.0	35.4	35.4	0.0	0.0	38.0	35.4
Eingangstür	52.4	52.4	3.01	13.3	63.7	63.7	0.0	65.1	3.01	0.0	0.0	0.0	0.0	0.0	0.0	13.1	9.1	0.0	0.0	11.7	9.1
Fenster Büro	52.7	52.7	3.01	3.6	58.2	58.2	0.0	60.8	3.01	0.0	0.0	0.0	0.0	0.0	0.0	15.5	2.0	0.0	0.0	4.6	2.0
Fenster Küche	52.7	52.7	3.01	7.0	61.1	61.1	0.0	61.9	3.01	0.0	0.0	0.0	0.0	0.0	0.0	19.5	0.7	0.0	0.0	3.3	0.7
Fenster Nebenküch	42.7	42.7	3.01	2.0	45.6	45.6	0.0	70.9	3.01	0.0	0.0	0.0	0.0	0.0	0.0	17.7	13.5	0.0	0.0	10.9	9.3
Fenster Vorraum	62.7	62.7	3.01	2.0	70.7	70.7	0.0	70.3	3.01	0.0	0.0	0.0	0.0	0.0	0.0	19.5	13.5	0.0	0.0	11.9	9.3
Fenster zugemauert	62.4	62.4	3.01	12.0	74.5	74.5	0.0	48.2	3.01	0.0	0.0	0.0	0.0	0.0	0.0	11.8	4.1	0.0	0.0	3.2	16.7
Fensterflügelzugemauert	67.4	67.4	3.01	8.2	56.6	56.6	0.0	60.4	3.01	0.0	0.0	0.0	0.0	0.0	0.0	23.8	13.8	0.0	0.0	11.2	9.4
Fensterflügelzugemauert	66.0	66.0	3.01	1.0	66.0	66.0	0.0	67.0	3.01	0.0	0.0	0.0	0.0	0.0	0.0	14.6	13.6	0.0	0.0	16.2	13.6
Lüftung	38.6	38.6	3.01	1.7	40.9	40.9	0.0	62.1	3.01	0.0	0.0	0.0	0.0	0.0	0.0	11.4	11.4	0.0	0.0	24.0	21.4
Nottausgang 1	63.6	63.6	3.01	3.8	69.3	69.3	0.0	64.2	3.01	0.0	0.0	0.0	0.0	0.0	0.0	2.2	13.2	0.0	0.0	15.8	13.2
Nottausgang 2	44.3	44.3	2.01	466.8	71.0	71.0	0.0	65.7	0.01	0.0	0.0	0.0	0.0	0.0	0.0	21.2	10.0	0.0	0.0	12.6	10.0
Parkten	71.5	71.5	2.01	4.9	78.4	78.4	0.0	69.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	16.5	10.0	0.0	0.0	12.6	10.0
Personen	63.7	63.7	3.01	2.9	68.3	68.3	0.0	71.5	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.1	10.0	0.0	0.0	12.6	10.0
Tür Raucherbereich	63.7	63.7	3.01	2.9	68.3	68.3	0.0	71.5	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.1	10.0	0.0	0.0	12.6	10.0

Projekt:
B 7010

Auftrag:
B7010ESE

Datum:
05/05/2013

Seite:
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Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 9
 Aufpunktbezeichnung: 1023 3.06 NW - FAS.
 Aufpunkthöhe: 363.7889 km
 Zielpunktbezeichnung: 1023 3.06 NW - FAS.
 Zielpunkthöhe: 363.7889 km
 Entfernung: 37.6 26.8 31.4 33.2 32.8 29.7 26.0 3.9 41.1
 Pegel PT: [dB(A)] : 35.0 24.2 28.8 30.6 30.2 27.1 23.4 1.3 38.5
 Pegel PN: [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0
 Pegel PL: [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission Tag Nacht	RQ	Anz./L/Pl	Lw/ges Tag Nacht	Korr. Formel	Dc m	Dc m	DI	Cmet Tag Nacht	Drefl Tag Nacht	Drefl Tag Nacht	Aadv Tag Nacht	Agr	Aatm Tag Nacht	Abar Tag Nacht	L AF Tag Nacht	Zeitzuschläge Kor Tag Nacht	Kor Tag Nacht	Lm Tag Nacht
Dach Bar	-	56.7	56.7	2.0	23.6	70.4	70.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8
Eingangstür	-	69.4	69.4	3.0	7.6	78.2	78.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.4
Fenster Bar	-	52.4	52.4	3.0	13.3	63.7	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
Fenster Büro	-	52.7	52.7	3.0	7.6	63.7	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
Fenster Kicker	-	52.7	52.7	3.0	7.6	63.7	63.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
Fenster Nebeneingang	-	42.7	42.7	3.0	2.0	45.6	45.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7
Fenster Vorraum	-	42.7	42.7	3.0	2.0	45.6	45.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7
Fenster zugemauert	-	52.4	52.4	3.0	16.1	74.5	74.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.1
Fenster zugemauert	-	47.4	47.4	3.0	8.2	56.6	56.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1
Luftung	-	66.0	66.0	3.0	1.0	66.0	66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7
Nebeneingang 1	-	38.6	38.6	3.0	1.7	40.9	40.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Nebeneingang 2	-	63.6	63.6	3.0	3.8	69.3	69.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8
Parkieren	-	44.3	44.3	2.0	466.8	71.0	71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1
Parkieren	-	71.5	71.5	2.0	4.9	78.4	78.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5
Tür Raucherbereich	-	63.7	63.7	3.0	2.9	68.3	68.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung
EG NW - FAS.

Aufpunktbezeichnung: I024 EG NW - FAS.

Aufpunktlage:

X1= 363.7742 km

Y1= 5693.4008 km

Z1= 247.67 m

H1= 2.00 m

GEZ.: NEDDERSTR. 11

z. des Frequenzbereiches

Rechenweg

Pegel PT

Pegel PN

Pegel PL

1 2 3 4 5 6 7 8 Summe

[Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr

[dB(A)] : 39.6 27.9 29.9 30.0 29.0 24.4 18.3 -6.0 41.1

[dB(A)] : 37.0 25.3 27.3 27.4 26.4 21.8 15.7 -8.6 38.5

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Existent Name	Ident	Emission		RQ	Anz./L/Pl	Lw,ges	Korr. Formel	min. ds	Dc	Di	Gnet		mittlere Werte für		Aatm	Abar	L A*		Zeitruschläge		Lm	
		Tag	Nacht			Tag					Tag	Nacht	Drefl	Adiv			Tag	Nacht	KEZ	Tag	Nacht	Tag
		dB(A)	dB(A)		/ m / qm	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	2.01	23.6	70.4	0.0	51.7	0.0	0.0	-1.2	-1.2	0.0	-45.6	0.0	-11.6	15.0	15.0	-0.6	0.0	3.2	17.6
Eingangstür	-	69.4	69.4	3.01	7.6	78.2	0.0	52.0	3.01	0.0	0.0	0.0	0.0	-41.7	3.0	-0.1	31.6	31.6	-0.6	0.0	3.2	34.2
Fenster Bar	-	52.4	52.4	3.01	13.3	53.7	0.0	46.4	3.01	0.0	0.0	0.0	0.0	-45.7	3.0	0.0	13.3	10.7	-0.6	0.0	3.2	13.3
Fenster Büro	-	52.7	52.7	3.01	7.6	51.1	0.0	47.9	3.01	0.0	0.0	0.0	0.0	-44.5	3.0	0.0	17.3	2.6	-0.6	0.0	3.2	5.2
Fenster Kicker	-	52.7	52.7	3.01	2.0	45.6	0.0	58.5	3.01	0.0	0.0	0.0	0.0	-44.7	3.0	0.0	21.3	1.3	-0.6	0.0	3.2	3.9
Fenster Nebeneingang	-	42.7	42.7	3.01	2.0	45.6	0.0	58.5	3.01	0.0	-0.6	-0.6	0.0	-46.5	3.0	0.0	18.4	-13.1	-0.6	0.0	3.2	-10.5
Fenster Vorraum	-	52.7	52.7	3.01	2.0	70.7	0.0	58.2	3.01	0.0	-0.4	-0.4	0.0	-46.3	3.0	0.0	20.5	9.6	-0.6	0.0	3.2	12.2
Fenster zugemauert	-	52.4	52.4	3.01	16.1	74.5	0.0	51.9	3.01	0.0	0.0	0.0	0.0	-45.3	3.0	-0.1	4.7	12.6	-0.6	0.0	3.2	39.8
Fenster zugemauert	-	47.4	47.4	3.01	8.2	56.6	0.0	55.7	3.01	0.0	0.0	0.0	0.0	-45.9	3.0	-0.1	23.2	10.9	-0.6	0.0	3.2	13.7
Küftung	-	66.0	66.0	3.01	1.0	66.0	0.0	55.7	3.01	0.0	-0.7	-0.7	0.0	-44.4	3.0	0.0	14.0	-12.2	-0.6	0.0	3.2	-9.6
Nottausgang 1	-	38.6	38.6	3.01	1.7	40.9	0.0	47.0	3.01	0.0	-0.7	-0.7	0.0	-45.1	3.0	0.0	13.2	14.9	-0.6	0.0	3.2	17.5
Nottausgang 2	-	38.6	38.6	3.01	3.8	69.3	0.0	50.7	3.01	0.0	-0.1	-0.1	0.0	-45.1	3.0	-0.2	14.0	14.0	-0.6	0.0	3.2	26.6
Parkieren	-	44.3	44.3	2.01	466.8	71.0	0.0	49.6	0.01	0.0	-1.1	-1.1	0.0	-45.9	3.0	-0.2	21.7	14.2	-0.6	0.0	3.2	16.8
Parkieren	-	71.5	71.5	2.01	4.9	78.4	0.0	56.3	0.01	0.0	-0.7	-0.7	0.0	-46.1	3.0	-0.1	17.2	10.1	-0.6	0.0	3.2	12.7
Tür Raucherbereich	-	63.7	63.7	3.01	2.9	68.3	0.0	58.9	3.01	0.0	-0.8	-0.8	0.0	-46.4	3.0	-0.1	17.2	10.1	-0.6	0.0	3.2	12.7

Projekt:
B 7010Auftrag
B7010SESDatum
05/05/2013Seite
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Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 11 <ID>-
Aufpunktbezeichnung: 1024, 1. OG NW -FAS.
Aufpunktlage: Xi= 363,7742 km
Yi= 5689,4008 km
Zi= 250,67 m
Hi= 5,00 m
Nz. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
Frequenz [Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr
Regel PT [dB(A)] : 39.6 28.1 30.1 30.2 29.3 24.6 18.5 -5.9 41.2
Regel PN [dB(A)] : 37.0 25.5 27.5 27.6 26.7 22.0 15.9 -8.5 38.6
Regel PL [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/F	Lw ges		Korr. Formel	min. ds	Dc	DI	Cmes		Drefl		Agr	Aatm	Abar	L NT		Zeitruschläge		Lm	
		Tag	Nacht			Tag	Nacht					Tag	Nacht						Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	2.0	23.6	70.4	70.4	0.0	51.7	0.0	0.0	-0.1	-0.1	0.0	-45.5	3.0	0.0	-10.5	17.3	17.3	-0.6	0.0	3.2	19.9
Eingangstür	-	59.4	59.4	3.0	7.6	78.2	78.2	0.0	34.3	3.0	0.0	0.0	0.0	0.0	-41.7	3.0	-0.1	-11.2	31.7	31.7	-0.6	0.0	3.2	34.3
Fenster Bar	-	52.4	52.4	3.0	13.3	63.7	63.7	0.0	52.1	3.0	0.0	0.0	0.0	0.0	-45.7	3.0	0.0	-13.0	11.0	11.0	-0.6	0.0	3.2	13.6
Fenster Kicker	-	52.7	52.7	3.0	3.6	58.2	58.2	0.0	46.5	3.0	0.0	0.0	0.0	0.0	-44.5	3.0	0.0	-16.7	3.2	3.2	-0.6	0.0	3.2	5.8
Fenster Nebeneingang	-	42.7	42.7	3.0	7.0	61.1	61.1	0.0	48.0	3.0	0.0	0.0	0.0	0.0	-44.8	3.0	0.0	-19.5	2.9	2.9	-0.6	0.0	3.2	5.5
Fenster Vorraum	-	67.7	67.7	3.0	2.0	45.6	45.6	0.0	58.6	3.0	0.0	0.0	0.0	0.0	-46.5	3.0	0.0	-17.6	-11.8	-11.8	-0.6	0.0	3.2	-9.2
Fenster zugemauert	-	62.4	62.4	3.0	16.1	74.5	74.5	0.0	36.8	3.0	0.0	0.0	0.0	0.0	-43.3	3.0	0.0	-19.8	10.7	10.7	-0.6	0.0	3.2	10.7
Fenster NRZugemauert	-	47.4	47.4	3.0	8.2	56.6	56.6	0.0	51.9	3.0	0.0	0.0	0.0	0.0	-45.3	3.0	-0.1	-20.7	37.2	37.2	-0.6	0.0	3.2	37.2
Luftung	-	66.0	66.0	3.0	1.0	66.0	66.0	0.0	55.6	3.0	0.0	0.0	0.0	0.0	-45.3	3.0	-0.1	-20.7	12.9	12.9	-0.6	0.0	3.2	12.9
Notausgang 1	-	38.6	38.6	3.0	1.7	40.9	40.9	0.0	47.3	3.0	0.0	0.0	0.0	0.0	-46.0	3.0	0.0	-14.7	15.5	15.5	-0.6	0.0	3.2	15.5
Notausgang 2	-	44.3	44.3	3.0	466.8	71.0	71.0	0.0	50.9	3.0	0.0	0.0	0.0	0.0	-46.0	3.0	-0.2	-12.6	15.3	15.3	9.4	10.0	3.2	27.9
Parken	-	71.5	71.5	2.0	4.9	78.4	78.4	0.0	58.5	3.0	0.0	0.0	0.0	0.0	-46.1	3.0	-0.1	-20.9	15.6	15.6	-0.6	0.0	3.2	18.2
Tür Raucherbereich	-	63.7	63.7	3.0	2.9	66.3	66.3	0.0	59.1	3.0	0.0	0.0	0.0	0.0	-46.4	3.0	-0.1	-16.6	11.5	11.5	-0.6	0.0	3.2	14.1

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 11 <ID>-
Aufpunktbeschreibung: 1024 2 OG NW -FAS.
Nr. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
Frequenz [Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr
Pegel PT [dB(A)] : 39.6 28.2 30.3 30.5 28.7 23.5 17.2 -5.4 41.1
Pegel PN [dB(A)] : 37.0 25.6 27.7 27.9 26.1 20.9 14.6 -8.0 38.5
Pegel PL [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl	Lw/ges	Korr.		min.	Ds	Dc	DI	Aatm		Agr		L AT		Zeitreuehläge		Lm	
		Tag	Nacht			Tag	Nacht	Formel					Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	2.0	23.6	70.4	70.4	0.0	51.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	18.0	-0.6	0.0	20.6	18.0
Eingangstür	-	59.4	59.4	3.0	7.6	78.2	78.2	0.0	34.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.3	31.3	-0.6	0.0	33.9	31.3
Fenster Büro	-	52.4	52.4	3.0	13.3	63.7	63.7	0.0	52.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	11.4	-0.6	0.0	14.0	11.4
Fenster Kicker	-	52.7	52.7	3.0	3.6	58.2	58.2	0.0	46.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	-0.6	0.0	7.0	4.4
Fenster Nebensingang	-	42.7	42.7	3.0	7.0	61.1	61.1	0.0	48.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	-0.6	0.0	5.9	3.3
Fenster Vorraum	-	67.7	67.7	3.0	2.0	45.6	45.6	0.0	59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	10.8	-0.6	0.0	13.5	10.8
Fenster zugemauert	-	62.4	62.4	3.0	16.1	74.5	74.5	0.0	58.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	10.9	-0.6	0.0	13.5	10.9
Fenster/NRZugemauert	-	47.4	47.4	3.0	8.2	56.6	56.6	0.0	52.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	12.6	-0.6	0.0	15.2	12.6
Luftung	-	66.0	66.0	3.0	1.0	66.0	66.0	0.0	55.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	-0.6	0.0	3.2	2.8
Notausgang 1	-	38.6	38.6	3.0	1.7	40.9	40.9	0.0	47.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	11.4	-0.6	0.0	13.9	11.4
Notausgang 2	-	63.6	63.6	3.0	3.8	69.3	69.3	0.0	51.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	13.3	-0.6	0.0	15.8	13.3
Parken	-	44.3	44.3	2.0	466.8	71.0	71.0	0.0	50.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	15.4	-0.6	0.0	18.0	15.4
Personen	-	71.5	71.5	2.0	4.9	78.4	78.4	0.0	56.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	15.1	-0.6	0.0	18.0	15.4
Tür Raucherbereich	-	63.7	63.7	3.0	2.9	68.3	68.3	0.0	59.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	12.8	-0.6	0.0	15.4	12.8

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 11 <ID>-
Aufpunktbezeichnung: 1024 3.06 NW -FAS.
Aufpunktlage:
Nr. des Frequenzbereiches
Frequenz [Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr Summe
Pegel FN [dB(A)] : 39.5 28.4 30.6 30.6 29.0 23.7 17.3 -5.4 41.1
Pegel FN [dB(A)] : 36.9 25.8 28.0 28.0 26.4 21.1 14.7 -8.0 38.5
Pegel PL [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emission	Ident		RQ	Anz./L/FI	Lw,ges	Korr. Formel	min. ds	Dc	DI	Gnet		mittlere Werte für		Agr	Aatm	Abar	L AT		Zeitruschläge				Lm	
	Tag	Nacht								Tag	Nacht	Drefl	Adiv				Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
	dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	m	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)		
-	56.7	56.7	Lw"	2.0	70.4	70.4	52.1	0.0	0.0	0.0	0.0	0.0	-45.5	3.0	0.0	-9.6	18.2	18.2	-0.6	0.0	3.2	20.8		
Dach Bar	69.4	69.4	Lw"	3.0	76.6	78.2	55.3	0.0	0.0	0.0	0.0	0.0	-42.0	3.0	0.0	-10.8	31.3	31.3	-0.6	0.0	3.2	33.9		
Eingangstür	52.4	52.4	Lw"	3.0	63.7	63.7	52.9	0.0	0.0	0.0	0.0	0.0	-45.8	3.0	0.0	-11.6	12.3	12.3	-0.6	0.0	3.2	14.9		
Fenster Büro	52.7	52.7	Lw"	3.0	63.7	63.7	47.3	0.0	0.0	0.0	0.0	0.0	-44.6	3.0	0.0	-14.2	5.4	5.4	-0.6	0.0	3.2	8.0		
Fenster Kicker	52.7	52.7	Lw"	3.0	63.7	63.7	47.3	0.0	0.0	0.0	0.0	0.0	-44.6	3.0	0.0	-14.2	5.4	5.4	-0.6	0.0	3.2	8.0		
Fenster Nebeneingang	42.7	42.7	Lw"	3.0	45.6	45.6	59.4	0.0	0.0	0.0	0.0	0.0	-46.6	3.0	0.0	-15.3	-9.2	-9.2	-0.6	0.0	3.2	-6.6		
Fenster Vorraum	67.7	67.7	Lw"	3.0	70.7	70.7	59.0	0.0	0.0	0.0	0.0	0.0	-43.5	3.0	0.0	-4.6	12.6	12.6	-0.6	0.0	3.2	17.6		
Fenster zugemauert	62.4	62.4	Lw"	3.0	74.5	74.5	57.7	0.0	0.0	0.0	0.0	0.0	-45.4	3.0	0.0	-4.6	12.6	12.6	-0.6	0.0	3.2	39.6		
FensterRizugemauert	66.0	66.0	Lw"	3.0	8.2	56.6	52.6	0.0	0.0	0.0	0.0	0.0	-45.9	3.0	0.0	-17.7	5.3	5.3	-0.6	0.0	3.2	7.9		
Notausgang 1	38.6	38.6	Lw"	3.0	1.7	40.9	55.9	0.0	0.0	0.0	0.0	0.0	-44.7	3.0	0.0	-13.5	-11.3	-11.3	-0.6	0.0	3.2	-8.7		
Notausgang 2	44.3	44.3	Lw"	3.0	3.8	69.3	51.8	0.0	0.0	0.0	0.0	0.0	-45.3	3.0	0.0	-13.5	16.5	16.5	-0.6	0.0	3.2	19.1		
Parkieren	71.5	71.5	Lw"	2.0	466.8	71.0	50.9	0.0	0.0	0.0	0.0	0.0	-46.1	3.0	-0.2	-10.8	17.1	17.1	-0.6	10.0	3.2	23.7		
Tür Raucherbereich	63.7	63.7	Lw"	2.0	4.9	78.4	57.4	0.0	0.0	0.0	0.0	0.0	-46.2	3.0	-0.1	-13.9	13.9	13.9	-0.6	0.0	3.2	19.7		

B7010

Projekt:
B 7010

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDESTR. 15 <ID>-
 Aufpunktbezeichnung: 1025 Es 363-7452 km
 Aufpunktlage: Xi= 5682,759 km
 Zi= 246,90 km
 Hi= 2,00 m

Nr. des Frequenzbereiches
 Frequenz [Hz]: 63.0 125 250 500 1000 2000 4000 8000 Lr Summe
 [dB(A)]: 28.5 30.5 34.2 36.9 40.1 36.9 31.2 -4.5 44.1
 Pegel PT [dB(A)]: 29.1 31.1 34.8 37.5 40.7 37.5 31.8 -3.9 44.7
 Pegel PN [dB(A)]: -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0
 Pegel PL [dB(A)]: -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl	Lw,ges	Korr.	min. ds	Dc	DI	Cmet		Drefl		Agr		Aatm	Abar	L Af		Zeitruschläge		K8		Lm	
		Tag	Nacht			Tag	Formel				Tag	Nacht	Tag	Nacht	Tag	Nacht			Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB	dB	dB(A)	dB(A)
Dach Bar	-	56.7	56.7	Lw"	2.01	23.6	70.4	0.0	16.9	0.0	-1.2	-1.2	0.3	0.0	0.0	0.0	-6.0	-6.0	21.7	21.7	-0.6	-0.6	0.0	0.0	21.1	21.7
Eingangstür	-	69.4	69.4	Lw"	3.01	7.6	78.2	0.0	40.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-24.6	16.1	16.1	-0.6	-0.6	0.0	0.0	15.5	16.1
Fenster Bar	-	52.4	52.4	Lw"	3.01	13.8	63.7	0.0	45.1	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	-5.3	20.3	20.3	-0.6	-0.6	0.0	0.0	19.7	20.3
Fenster Büro	-	52.7	52.7	Lw"	3.01	13.8	58.2	0.0	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-13.7	9.0	9.0	-0.6	-0.6	0.0	0.0	8.4	9.0
Fenster Kicker	-	52.7	52.7	Lw"	3.01	7.0	61.1	0.0	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-10.9	13.6	13.6	-0.6	-0.6	0.0	0.0	13.0	13.6
Fenster Nebeneingang	-	52.7	52.7	Lw"	3.01	2.0	45.6	0.0	52.7	0.0	-0.4	-0.4	0.0	0.0	0.0	0.0	-0.1	-2.6	3.1	3.1	-0.6	-0.6	0.0	0.0	2.5	3.1
Fenster Vorraum	-	67.7	67.7	Lw"	3.01	2.0	70.7	0.0	53.5	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	-8.8	22.0	22.0	-0.6	-0.6	0.0	0.0	21.4	22.0
Fenster Vorräum	-	62.4	62.4	Lw"	3.01	16.1	74.5	0.0	44.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-12.1	23.6	23.6	-0.6	-0.6	0.0	0.0	23.0	23.6
Fenster Vorräum	-	47.4	47.4	Lw"	3.01	8.2	56.6	0.0	58.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-13.7	2.5	2.5	-0.6	-0.6	0.0	0.0	1.9	2.5
Flüftung	-	66.0	66.0	Lw	0.01	1.0	66.0	0.0	53.5	0.0	-0.7	-0.7	1.3	0.0	0.0	0.0	-0.1	-14.7	9.2	9.2	-0.6	-0.6	0.0	0.0	8.5	9.2
Notausgang 1	-	38.6	38.6	Lw"	3.01	1.7	40.9	0.0	43.3	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	-4.5	0.7	0.7	-0.6	-0.6	0.0	0.0	0.0	0.7
Notausgang 2	-	63.6	63.6	Lw"	3.01	3.8	69.3	0.0	43.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	-6.6	23.4	23.4	-0.6	-0.6	0.0	0.0	24.8	25.4
Parken	-	44.3	44.3	Lw"	2.01	466.8	71.0	0.0	22.0	0.0	-0.1	-0.1	0.2	0.0	0.0	0.0	-0.2	0.0	24.8	24.8	8.8	8.8	10.0	10.0	43.9	44.5
Personen	-	71.5	71.5	Lw"	2.01	4.9	78.4	0.0	50.8	0.0	-0.6	-0.6	1.0	0.0	0.0	0.0	-0.1	-4.7	21.8	21.8	-0.6	-0.6	0.0	0.0	21.2	21.8
Tür Raucherbereich	-	63.7	63.7	Lw"	3.01	2.9	68.3	0.0	51.9	0.0	-0.6	-0.6	0.0	0.0	0.0	0.0	-0.2	-4.7	23.5	23.5	-0.6	-0.6	0.0	0.0	22.9	23.5

Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 15 <ID>-
Aufpunktbeschreibung: 1025 2. OG NW -FAS.
Nr. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
Frequenz [Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr
Pegel PT [dB(A)] : 31.0 30.9 34.4 36.8 39.8 36.6 30.9 -3.9 44.1
Pegel FN [dB(A)] : 31.6 31.5 35.0 37.4 40.4 37.2 31.5 -3.3 44.7
Pegel FL [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl / m / qm	Lw ges		Korr. Formel	min. ds	Dc	DI	Cmet		Drefl		Agr	Atm	Abar	L AT		Zeitzuschläge				Lm (L pntz,kap)	
		Tag	Nacht			Tag	Nacht					Tag	Nacht	Tag	Nacht				Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
Dach Bar	-	56.7	56.7	La"	2.0	70.4	70.4	0.0	46.9	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-3.7	25.6	25.6	-0.6	0.0	0.0	25.0	25.6	
Eingangstür	-	69.4	69.4	La"	3.0	78.2	78.2	0.0	41.2	3.0	0.0	0.0	0.0	0.0	0.0	3.0	-0.2	-22.3	18.4	18.4	-0.6	0.0	0.0	17.8	18.4	
Fenster Bar	-	52.4	52.4	La"	3.0	63.7	63.7	0.0	45.4	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-3.9	22.2	22.2	-0.6	0.0	0.0	21.6	22.2	
Fenster Büro	-	52.7	52.7	La"	3.0	61.1	61.1	0.0	36.8	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-12.5	13.1	13.1	-0.6	0.0	0.0	12.5	13.1	
Fenster Kicker	-	52.7	52.7	La"	3.0	61.1	61.1	0.0	39.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-9.7	16.4	16.4	-0.6	0.0	0.0	15.8	16.4	
Fenster Nebeneingang	-	42.7	42.7	La"	3.0	45.6	45.6	0.0	53.2	3.0	0.0	0.0	0.0	0.0	0.0	3.0	-0.1	-2.2	3.8	3.8	-0.6	0.0	0.0	3.2	3.8	
Fenster Vorraum	-	67.7	67.7	La"	3.0	70.7	70.7	0.0	44.2	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-5.8	25.2	25.2	-0.6	0.0	0.0	24.6	25.2	
Fenster zugemauert	-	62.4	62.4	La"	3.0	74.5	74.5	0.0	59.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-11.5	27.3	27.3	-0.6	0.0	0.0	26.7	27.3	
FensterNRL zugemauert	-	47.4	47.4	La"	3.0	56.6	56.6	0.0	53.3	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-0.1	-20.6	14.7	14.7	-0.6	0.0	0.0	14.7	14.7	
Luftung	-	66.0	66.0	Lw	0.0	66.0	66.0	0.0	53.3	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-5.8	26.8	26.8	-0.6	0.0	0.0	0.0	0.6	
Notausgang 1	-	38.6	38.6	La"	3.0	40.9	40.9	0.0	34.4	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-4.6	0.6	0.6	-0.6	0.0	0.0	0.0	0.6	
Notausgang 2	-	63.6	63.6	La"	3.0	69.3	69.3	0.0	43.8	3.0	0.0	0.0	0.0	0.0	0.0	3.0	-0.2	0.0	34.2	34.2	9.4	10.0	0.0	0.0	43.6	
Parken	-	44.3	44.3	La"	2.0	46.8	46.8	0.0	23.3	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-1.4	26.2	26.2	-0.6	0.0	0.0	25.6	26.2	
Personen	-	71.5	71.5	La"	2.0	78.4	78.4	0.0	51.3	0.0	0.0	0.0	0.0	0.0	0.0	3.0	-0.1	-13.2	26.2	26.2	-0.6	0.0	0.0	25.6	26.2	
Tür Raucherbereich	-	63.7	63.7	La"	3.0	68.3	68.3	0.0	52.4	3.0	0.0	0.0	0.0	0.0	0.0	3.0	-0.2	-4.1	24.5	24.5	-0.6	0.0	0.0	23.9	24.5	

Projekt:
B 7010

Auftrag
B7010BEE

Datum
05/05/2013

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Berechnung nach ISO 9613, Langzeit-Mittelung

Aufpunktbezeichnung: 1026 EG NW -FAS.

Aufpunktlage:

X1=

Y1=

Z1=

H1=

Nr. des Frequenzbereiches

Frequenz

Pegel Pt

Pegel PN

<ID>=

1

2

3

4

5

6

7

8

Summe

[Hz] : 63.0 125 250 500 1000 2000 4000 8000

[dB(A)] : 28.9 29.6 34.1 36.9 38.3 36.2 30.4 1.2 43.6

[dB(A)] : 29.5 30.2 34.7 37.5 39.9 36.8 31.0 1.8 44.2

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

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[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Projekt:
B 7010

Auftrag
B7010BGE

Datum
05/05/2013

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Berechnung nach ISO 9613, Langzeit-Mittelung
Aufpunktbezeichnung: 1026, 1. OG NW -EAS.
Aufpunktlage: XI= 363,7190 km
Zi= 5689,3597 km
Hi= 249,26 m
RI= 5,00 m

- GEB.: NEDDERSTR. 17

<ID>-
Nr. des Frequenzbereiches
Frequenz
Regel PT
Regel PL

1 2 3 4 5 6 7 8 Summe
[Hz] : 63.0 125 250 500 1000 2000 4000 8000
[dB(A)] : 29.3 30.4 34.8 37.4 39.6 36.3 30.7 41.0
[dB(A)] : 29.9 31.0 35.4 38.0 40.2 37.1 32.3 44.6
[dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl. / m / qm	Lw,ges		Korr. [Formel]	min. ds	Dc	DI		Cmet		Drefl		Agr	Aatm	Abar	L XT		Zeitzuschläge				Lm	
		Tag	Nacht			Tag	Nacht				dB(A)	dB(A)	dB	dB	Tag	Nacht				dB	dB	Tag	Nacht	dB	dB	Tag	Nacht
Dach Bar	-	56.7	56.7	2.0	23.6	70.4	70.4	0.0	60.5	0.0	0.0	0.0	-0.4	-0.4	11.5	-46.9	3.0	0.0	-20.0	17.6	15.2	-0.6	0.0	0.0	17.0	17.6	
Eingangstür	-	69.4	69.4	3.0	7.6	78.2	78.2	0.0	62.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-21.9	15.2	15.2	-0.6	0.0	0.0	21.8	22.4		
Fenster Büro	-	52.4	52.4	3.0	13.3	63.7	63.7	0.0	58.5	3.0	0.0	0.0	0.0	0.0	0.0	0.5	-46.8	3.0	0.0	-1.0	22.4	22.4	-0.6	0.0	0.0	10.7	11.3
Fenster Kicker	-	52.7	52.7	3.0	3.6	58.2	58.2	0.0	50.8	3.0	0.0	0.0	0.0	0.0	0.0	0.1	-45.1	3.0	0.0	-0.8	20.7	20.7	-0.6	0.0	0.0	20.1	20.7
Fenster Nebeneingang	-	52.7	52.7	3.0	7.0	61.1	61.1	0.0	52.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-47.3	3.0	-0.1	-1.7	4.9	4.9	-0.6	0.0	0.0	4.3	4.9
Fenster Vorraum	-	42.7	42.7	3.0	2.0	45.6	45.6	0.0	63.3	3.0	0.0	0.0	0.0	0.0	0.0	13.7	-47.3	3.0	-0.1	-20.0	23.0	23.0	-0.6	0.0	0.0	22.4	23.0
Fenster zugemauert	-	67.7	67.7	3.0	2.0	70.7	70.7	0.0	65.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-47.8	3.0	0.0	-10.7	22.1	22.1	-0.6	0.0	0.0	21.5	22.1
Fenster Vordach	-	62.4	62.4	3.0	16.1	74.5	74.5	0.0	57.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	-48.6	3.0	0.0	-13.2	0.8	0.8	-0.6	0.0	0.0	0.2	0.8
Fensterflüzugemauert	-	47.4	47.4	3.0	8.2	56.6	56.6	0.0	75.3	3.0	0.0	0.0	0.0	0.0	0.0	5.0	-47.5	3.0	-0.1	-13.2	0.8	0.8	-0.6	0.0	0.0	0.2	0.8
Lüftung	-	66.0	66.0	3.0	1.0	66.0	66.0	0.0	66.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-44.5	3.0	0.0	0.0	26.3	26.3	-0.6	0.0	0.0	25.7	26.3
Nor Ausgang 1	-	36.6	36.6	3.0	1.7	40.9	40.9	0.0	47.2	3.0	0.0	0.0	0.0	0.0	0.0	0.1	-44.5	3.0	0.0	0.0	2.5	2.5	-0.6	0.0	0.0	1.9	2.5
Nor Ausgang 2	-	63.6	63.6	3.0	3.8	69.3	69.3	0.0	56.7	3.0	0.0	0.0	0.0	0.0	0.0	0.4	-46.1	3.0	-0.1	0.0	29.5	29.5	-0.6	0.0	0.0	28.9	29.5
Parken	-	44.3	44.3	2.0	466.8	72.0	72.0	0.0	62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	-40.7	3.0	-0.2	0.0	33.9	33.9	-0.6	0.0	0.0	31.3	31.9
Personen	-	71.5	71.5	2.0	1.9	71.5	71.5	0.0	62.9	0.0	0.0	0.0	0.0	0.0	0.0	4.7	-47.0	3.0	-0.1	-7.1	27.4	27.4	-0.6	0.0	0.0	26.8	27.4
Tür Baucherbereich	-	63.7	63.7	3.0	2.9	68.3	68.3	0.0	62.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-47.0	3.0	0.0	0.0	27.4	27.4	-0.6	0.0	0.0	26.8	27.4

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Berechnung nach ISO 9613, Langzeit-Mittelung
Aufpunktbezeichnung: 1026 2. OG NW -FAS.
Aufpunktlage: - GE3.: NEDDERSTR. 17

Nr. des Frequenzbereiches
Frequenz [Hz]: 63.0 125 250 500 1000 2000 4000 8000
Pegel FT [dB(A)]: 30.3 30.5 35.0 37.3 39.3 36.2 30.4 24.9
Pegel FN [dB(A)]: 30.9 31.1 35.6 37.9 39.9 36.8 31.0 25.5
Pegel FL [dB(A)]: -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Quellent Name	Ident	Emission		RQ	Anz./L/Fl / m / cm	Lw,ges		Korr. [Formel]	min. ds	Dc	DI		Cmet		Aa,atm		Abar		L AT		Zeitzuschläge				Lm	
		Tag	Nacht			Tag	Nacht				dB	dB	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
Dach Bar	-	56.7	56.7	2.01	23.6	70.4	70.4	0.0	60.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.7	-21.7	25.2	25.2	-0.6	0.0	0.0	0.0	24.6	25.2
Eingangsbüro	-	69.4	69.4	3.01	7.6	78.2	78.2	0.0	62.5	3.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-21.7	15.4	15.4	-0.6	0.0	0.0	0.0	14.8	15.4
Fenster Büro	-	52.4	52.4	3.01	13.3	63.7	63.7	0.0	58.7	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	22.5	22.5	-0.6	0.0	0.0	0.0	21.9	22.5
Fenster Kicker	-	52.7	52.7	3.01	3.6	58.2	58.2	0.0	51.0	3.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	-7.9	21.2	21.2	-0.6	0.0	0.0	0.0	20.1	21.2
Fenster Nebeneingang	-	42.7	42.7	3.01	7.0	61.1	61.1	0.0	52.5	3.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-1.7	20.7	20.7	-0.6	0.0	0.0	0.0	19.8	20.7
Fenster Vorraum	-	67.7	67.7	3.01	2.0	45.6	45.6	0.0	63.5	3.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-1.7	26.7	26.7	-0.6	0.0	0.0	0.0	26.1	26.7
Fenster zugemauert	-	62.4	62.4	3.01	16.1	74.5	74.5	0.0	65.7	3.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-1.7	22.5	22.5	-0.6	0.0	0.0	0.0	21.9	22.5
FensterNFlügelmauert	-	47.4	47.4	3.01	8.2	56.6	56.6	0.0	54.8	3.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-1.7	20.9	20.9	-0.6	0.0	0.0	0.0	20.3	20.9
Lüftung	-	66.0	66.0	3.01	1.0	66.0	66.0	0.0	66.8	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.4	26.4	-0.6	0.0	0.0	0.0	25.8	26.4
Notausgang 1	-	38.6	38.6	3.01	1.7	40.9	40.9	0.0	56.8	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	-0.6	0.0	0.0	0.0	1.8	2.4
Notausgang 2	-	63.6	63.6	3.01	3.8	69.3	69.3	0.0	47.6	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3	29.3	-0.6	0.0	0.0	0.0	28.7	29.3
Parkten	-	44.3	44.3	2.01	466.8	71.0	71.0	0.0	27.2	0.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	33.7	33.7	-0.6	0.0	0.0	0.0	32.1	33.7
Personen	-	71.5	71.5	2.01	4.3	78.4	78.4	0.0	63.2	0.01	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-6.8	32.1	32.1	-0.6	0.0	0.0	0.0	31.5	32.1
Tür Raucherbereich	-	63.7	63.7	3.01	2.3	68.3	68.3	0.0	63.2	3.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	27.4	-0.6	0.0	0.0	0.0	26.8	27.4

B7010

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Berechnung nach ISO 9613, Langzeit-Mittelung
Aufpunktbezeichnung: I011 363,7082 km
Aufpunktlage: X1= 5689,3523 km
Z1= 245,91 m
H1= 2,00 m

Nr. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
Frequenz [Hz] : 63,0 125 250 500 1000 2000 4000 8000 1x
Pegel PT [dB(A)] : 27,3 28,1 32,3 34,6 37,1 33,9 27,9 -1,9 41,4
Pegel PN [dB(A)] : 27,9 28,7 32,9 35,2 37,7 34,5 -1,3 42,0
Pegel PL [dB(A)] : -96,0 -96,0 -96,0 -96,0 -96,0 -96,0 -96,0 -96,0 -96,0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl	Lw,ges		Korr. Formel	min. ds	Dc	DI	mittlere Werte für				Agr	Atm	Abaz	L AT		Zeitzuschläge				Im	
		Tag	Nacht			Tag	Nacht					Tag	Nacht	Tag	Nacht				Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
		dB(A)	dB(A)		/ m / qm	dB(A)	dB(A)	dB	m	dB	dB	dB	dB	dB	dB	dB	dB	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB(A)		
-	Dach Bar	56,7	56,7	2,0	23,6	70,4	70,4	0,0	70,0	0,0	0,0	-1,4	-1,4	11,2	-48,2	3,5	0,0	-20,0	15,5	15,5	-0,6	0,0	14,9	15,5		
-	Eingangstür	59,4	59,4	3,0	7,6	78,2	78,2	0,0	73,7	3,0	0,0	0,0	0,0	-0,6	-0,6	0,0	-0,3	-22,0	12,9	12,9	-0,6	0,0	20,4	21,0		
-	Fenster Bar	52,4	52,4	3,0	13,3	63,7	63,7	0,0	67,8	3,0	0,0	0,0	0,0	0,7	-48,0	3,0	0,0	-1,0	11,4	11,4	-0,6	0,0	10,8	11,4		
-	Fenster Büro	52,7	52,7	3,0	3,6	58,2	58,2	0,0	60,8	3,0	0,0	0,0	-0,1	0,1	-46,7	3,0	0,0	0,0	19,9	19,9	-0,6	0,0	19,3	19,9		
-	Fenster Kicker	52,7	52,7	3,0	7,0	61,1	61,1	0,0	62,4	3,0	0,0	0,0	-0,1	-0,8	-48,1	3,0	-0,1	-1,8	3,4	3,4	-0,6	0,0	2,8	3,4		
-	Fenster Nebeneingang	42,7	42,7	3,0	2,0	45,6	45,6	0,0	71,3	3,0	0,0	0,0	-0,7	3,4	-48,4	3,0	0,0	-6,4	24,5	24,5	-0,6	0,0	23,9	24,5		
-	Fenster Vorraum	67,7	67,7	3,0	12,0	70,7	70,7	0,0	75,8	3,0	0,0	0,0	-0,5	-0,5	0,0	-49,0	3,0	0,0	11,4	19,5	-0,6	0,0	18,9	19,5		
-	Fenster zugemauert	62,4	62,4	3,0	16,1	74,5	74,5	0,0	86,0	3,0	0,0	0,0	-0,6	-0,6	0,0	-49,7	3,0	0,0	-12,9	-0,6	-0,6	0,0	0,0	-1,2	-0,6	
-	Fensterflügel zugemauert	47,4	47,4	3,0	8,2	56,6	56,6	0,0	76,0	3,0	0,0	0,0	-1,1	-1,1	5,0	-48,6	3,0	-0,1	0,0	24,2	-0,6	0,0	23,6	24,2		
-	Lüftung	38,6	38,6	3,0	1,7	66,0	66,0	0,0	86,0	3,0	0,0	0,0	-0,9	-0,9	0,1	-46,1	3,0	0,0	0,0	-0,1	-0,6	0,0	26,9	27,5		
-	Noraustrag 1	63,6	63,6	3,0	3,8	69,3	69,3	0,0	66,0	3,0	0,0	0,0	-0,6	-0,6	0,2	-47,4	3,0	0,0	27,5	37,5	-0,6	0,0	40,7	41,3		
-	Noraustrag 2	44,3	44,3	2,0	466,8	71,0	71,0	0,0	36,3	0,0	0,0	0,0	-0,7	-0,7	1,2	-43,0	3,0	-0,2	0,0	28,6	10,0	0,0	28,0	28,6		
-	Parkieren	71,5	71,5	2,0	4,9	78,4	78,4	0,0	71,5	0,0	0,0	0,0	-1,0	-1,0	6,4	-48,2	3,0	-0,9	28,6	28,6	-0,6	0,0	24,5	25,1		
-	Tür Raucherbereich	63,7	63,7	3,0	2,9	68,3	68,3	0,0	71,1	3,0	0,0	0,0	-1,0	-1,0	0,1	-48,0	3,0	0,0	25,1	25,1	-0,6	0,0	24,5	25,1		

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Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 19
Aufpunktbezeichnung: T011 1.0G NW-FAS.
Aufpunktlage: Nr. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
Frequenz [Hz] : 63.0 125 250 500 1000 2000 4000 8000 16
Pegel PR [dB(A)] : 28.0 29.0 33.2 35.5 37.7 34.5 28.5 -1.1 42.2
Pegel NR [dB(A)] : 28.6 29.6 33.8 36.1 38.3 35.1 29.1 -0.5 42.8
Pegel PL [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl	Lw/ges	Korr.	min. ds	Dc	DI		Cmet		mittlere Werte für		Aabw		L A _r		Zeitruschläge		L _m	
		Tag	Nacht			Tag	Nacht			dB	dB	Tag	Nacht	Drefl	Adiw	dB	dB	Tag	Nacht	KEZ	KR	Tag	Nacht
Dach Bar	-	56.7	56.7	Le"	2.0	23.6	70.4	0.0	69.9	0.0	0.0	-0.6	-0.6	11.1	-48.1	3.0	0.0	15.8	15.8	-0.6	0.0	15.2	15.8
Eingangstür	-	69.4	69.4	Le"	3.0	7.6	78.2	0.0	73.7	3.0	0.0	0.0	0.0	0.0	-48.5	3.0	-0.3	21.8	13.6	-0.6	0.0	13.6	13.6
Fenster Bar	-	52.4	52.4	Le"	3.0	13.3	63.7	0.0	67.8	3.0	0.0	0.0	0.0	0.7	-48.0	3.0	0.0	-1.0	21.4	-0.6	0.0	20.7	20.7
Fenster Büro	-	52.7	52.7	Le"	3.0	3.6	58.2	0.0	60.8	3.0	0.0	0.0	0.0	0.3	-46.7	3.0	-0.1	-6.6	21.0	-0.6	0.0	19.4	19.4
Fenster Kicker	-	52.7	52.7	Le"	3.0	7.0	61.1	0.0	62.4	3.0	0.0	0.0	0.0	0.0	-48.1	3.0	-0.1	-1.8	20.0	-0.6	0.0	19.4	19.4
Fenster Nebeneingang	-	42.7	42.7	Le"	3.0	2.0	43.9	0.0	73.9	3.0	0.0	0.0	0.0	0.0	-48.1	3.0	-0.1	-6.4	25.3	-0.6	0.0	24.7	24.7
Fenster Vorraum	-	67.7	67.7	Le"	3.0	15.0	74.5	0.0	75.8	3.0	0.0	0.0	0.0	0.0	-48.1	3.0	0.0	-11.1	20.4	-0.6	0.0	19.8	19.8
Fenster zugemauert	-	42.4	42.4	Le"	3.0	8.2	56.6	0.0	66.0	3.0	0.0	0.0	0.0	0.0	-48.1	3.0	0.0	-12.8	20.4	-0.6	0.0	20.4	20.4
Fenster zugemauert	-	66.0	66.0	Le"	3.0	1.0	66.0	0.0	75.8	3.0	0.0	-0.3	-0.3	5.0	-48.6	3.0	-0.1	0.0	25.0	-0.6	0.0	24.4	25.0
Nachgang 1	-	38.6	38.6	Le"	3.0	1.7	40.9	0.0	57.2	3.0	0.0	0.0	0.0	0.1	-46.1	3.0	-0.1	0.0	28.1	-0.6	0.0	27.5	28.1
Nachgang 2	-	63.6	63.6	Le"	3.0	3.8	69.3	0.0	66.1	3.0	0.0	0.0	0.0	0.3	-47.4	3.0	-0.1	0.0	31.9	-0.6	0.0	31.9	31.9
Parkieren	-	44.3	44.3	Le"	2.0	466.8	71.0	0.0	36.5	0.0	0.0	0.0	0.0	1.1	-43.0	3.0	-0.2	0.0	31.9	9.4	10.0	41.3	41.9
Personen	-	71.5	71.5	Le"	2.0	4.9	78.4	0.0	71.6	0.0	0.0	-0.2	-0.2	3.9	-48.1	3.0	-0.1	-6.0	30.8	-0.6	0.0	30.2	30.8
Tür Raucherbereich	-	63.7	63.7	Le"	3.0	2.9	68.3	0.0	71.2	3.0	0.0	-0.1	-0.1	0.1	-48.0	3.0	-0.3	0.0	26.0	-0.6	0.0	25.4	26.0

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Berechnung nach ISO 9613, Langzeit-Mittelung - GEB.: NEDDERSTR. 19 <ID>-
Aufpunktbezeichnung: IO11 2 OG NW-EAS.
Aufpunktlage: XI= 363.7082 km Nr. des Frequenzbereiches : 1 2 3 4 5 6 7 8 Summe
ZI= 5689.3523 km Frequenz [Hz] : 63.0 125 250 500 1000 2000 4000 8000 Lr
HI= 8.00 m ZI= 251.91 m Pegel Pt [dB(A)] : 29.1 29.2 33.4 35.5 37.6 34.4 28.4 -1.0 42.2
Pegel PN [dB(A)] : 29.7 29.8 34.0 36.1 38.2 35.0 29.0 -0.4 42.8
Pegel PL [dB(A)] : -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0 -96.0

Emittent Name	Ident	Emission		RQ	Anz./L/Fl	Lw ges		Korr.	min.	Ds	Formel		mittlere Werte für								L AT		Zeitruschläge				Lm	
		Tag	Nacht			Tag	Nacht				Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht	Tag	Nacht
Dach Bar	-	56.7	56.7	La"	2.0	23.6	70.4	70.4	0.0	69.9	0.0	0.0	0.0	0.0	0.0	0.0	-4.8	24.7	24.7	24.7	0.0	0.0	0.0	0.0	0.0	0.0	24.1	24.7
Eingangstür	-	59.4	59.4	La"	3.0	7.6	78.2	78.2	0.0	73.8	3.0	0.0	0.0	0.0	0.0	0.0	-21.6	13.8	13.8	13.8	0.0	0.0	0.0	0.0	0.0	0.0	13.2	13.8
Fenster Bar	-	52.4	52.4	La"	3.0	13.3	63.7	63.7	0.0	67.9	3.0	0.0	0.0	0.0	0.0	0.0	-1.0	21.4	21.4	21.4	0.0	0.0	0.0	0.0	0.0	0.0	20.8	21.4
Fenster Büro	-	52.7	52.7	La"	3.0	3.6	58.2	58.2	0.0	60.9	3.0	0.0	0.0	0.0	0.0	0.0	-6.4	11.4	11.4	11.4	0.0	0.0	0.0	0.0	0.0	0.0	10.8	11.4
Fenster Kicker	-	52.7	52.7	La"	3.0	7.0	61.1	61.1	0.0	62.6	3.0	0.0	0.0	0.0	0.0	0.0	-0.4	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	20.0
Fenster Nebeneingang	-	42.7	42.7	La"	3.0	2.0	45.6	45.6	0.0	71.5	3.0	0.0	0.0	0.0	0.0	0.0	-1.8	4.2	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	3.6	4.2
Fenster Vorraum	-	67.7	67.7	La"	3.0	2.0	70.7	70.7	0.0	74.0	3.0	0.0	0.0	0.0	0.0	0.0	-3.2	26.9	26.9	26.9	0.0	0.0	0.0	0.0	0.0	0.0	26.3	26.9
Fenster zugemauert	-	62.4	62.4	La"	3.0	16.1	74.5	74.5	0.0	75.9	3.0	0.0	0.0	0.0	0.0	0.0	-11.0	20.4	20.4	20.4	0.0	0.0	0.0	0.0	0.0	0.0	19.8	20.4
FensterNRZugemauert	-	47.4	47.4	La"	3.0	8.2	56.6	56.6	0.0	86.1	3.0	0.0	0.0	0.0	0.0	0.0	-12.7	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.2
Luftung	-	66.0	66.0	Lw	0.0	1.0	66.0	66.0	0.0	75.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3	25.3	25.3	0.0	0.0	0.0	0.0	0.0	0.0	24.7	25.3
Notausgang 1	-	38.6	38.6	La"	3.0	1.7	40.9	40.9	0.0	57.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8
Notausgang 2	-	63.6	63.6	La"	3.0	3.8	69.3	69.3	0.0	66.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	28.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	28.0
Parken	-	44.3	44.3	La"	2.0	46.8	71.0	71.0	0.0	71.8	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	31.8	31.8	31.8	0.0	0.0	0.0	0.0	0.0	0.0	31.0	31.8
Parkieren	-	71.5	71.5	La"	2.0	4.9	78.4	78.4	0.0	71.8	0.0	0.0	0.0	0.0	0.0	0.0	-6.3	26.1	26.1	26.1	0.0	0.0	0.0	0.0	0.0	0.0	25.5	26.1
Tür Raucherbereich	-	63.7	63.7	La"	3.0	2.9	68.3	68.3	0.0	71.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0