

Project:

FW Domaniew 2

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ansee consulting Michal Jaskiewicz

Przemyslowa 21/1

PL-52-333 Wroclaw

+48 71 398 84 16

Michal Roszyk / michal.roszyk@ansee.pl

Calculated:

2013-12-16 14:27/2.9.269



DECIBEL - Main Result

Calculation: Analiza oddziaływania akustycznego - pora nocna - Wariant I

Noise calculation model:

ISO 9613-2 Poland

Wind speed:

8,0 m/s

Ground attenuation:

General, Ground factor: 0,9

Meteorological coefficient, C0:

0,0 dB

Type of demand in calculation:

1: WTG noise is compared to demand (DK, DE, SE, NL etc.)

Noise values in calculation:

All noise values are mean values (Lwa) (Normal)

Pure tones:

Pure and Impulse tone penalty are added to WTG source noise

Height above ground level, when no value in NSA object:

4,0 m Allow override of model height with height from NSA object

Deviation from "official" noise demands. Negative is more restrictive, positive is less restrictive.:

0,0 dB(A)

WTGs

Polish GK 1992/19-ETRS89				WTG type					Noise data					
East	North	Z	Row	Valid	Manufact.	Type-generator	Power, rated	Rotor diameter	Hub height	Creator	Name	Wind speed	LwA,ref	Pure tones
			data/Description				[kW]	[m]	[m]			[m/s]	[dB(A)]	
1	369 961	338 605	142,0 EW_05	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 3 - 106,0 dB	8,0	106,0	0 dB h
2	370 471	338 914	142,0 EW_03	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
3	370 108	338 160	142,0 EW_06	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 3 - 106,0 dB	8,0	106,0	0 dB h
4	367 253	338 562	142,0 EW_07	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 5 - 105,0 dB	8,0	105,0	0 dB h
5	366 411	338 181	140,0 EW_09	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 2 - 106,5 dB	8,0	106,5	0 dB h
6	366 296	337 513	141,6 EW_10	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 2 - 106,5 dB	8,0	106,5	0 dB h
7	366 939	337 280	141,1 EW_11	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 5 - 105,0 dB	8,0	105,0	0 dB h
8	367 277	336 863	140,0 EW_12	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 5 - 105,0 dB	8,0	105,0	0 dB h
9	368 057	336 903	142,4 EW_13	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 7 - 104,0 dB	8,0	104,0	0 dB h
10	368 603	336 840	144,0 EW_14	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 5 - 105,0 dB	8,0	105,0	0 dB h
11	368 617	336 028	144,0 EW_15	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
12	368 590	335 507	144,8 EW_16	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
13	367 392	334 563	145,7 EW_21	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
14	368 004	334 010	146,0 EW_19	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
15	370 126	339 366	141,1 EW_02	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
16	368 369	334 399	146,0 EW_18	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
17	368 476	340 714	140,0 EW_01	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
18	367 042	338 135	141,5 EW_08	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 5 - 105,0 dB	8,0	105,0	0 dB h
19	370 878	338 556	142,2 EW_04	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
20	368 465	334 836	145,6 EW_17	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h
21	367 905	334 758	144,0 EW_20	Yes	ansee	Domaniew 1-3 500	3 500	130,0	89,0	ansee	Level 0 - 107,5 dB	8,0	107,5	0 dB h

h) Generic octave distribution used

Calculation Results

Sound Level

Noise sensitive area		Polish GK 1992/19-ETRS89			Demands		Sound Level		Demands fulfilled ?	
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Distance to noise demand	Noise	
				[m]	[m]	[dB(A)]	[dB(A)]	[m]		
A	Piskorzow - RM	369 197	342 453	136,0	4,0	45,0	29,0	1 566	Yes	
B	Piskorzow - MNU	369 292	342 212	136,7	4,0	45,0	30,0	1 389	Yes	
C	Piskorzow - MNU	369 373	342 095	137,5	4,0	45,0	30,4	1 330	Yes	
D	Piskorzow - US	369 261	342 097	138,8	4,0	45,0	30,6	1 274	Yes	
E	Piskorzow - MNU	369 260	342 097	139,5	4,0	45,0	30,6	1 273	Yes	
F	Piskorzow - MN	369 363	342 020	139,8	4,0	40,0	30,8	1 029	Yes	
G	Piskorzow - RM	369 206	341 982	140,0	4,0	45,0	31,3	1 147	Yes	
H	Piskorzow - ZP	369 357	341 969	140,0	4,0	45,0	31,0	1 216	Yes	
I	Piskorzow - ZP	369 327	341 903	140,0	4,0	45,0	31,4	1 146	Yes	
J	Piskorzow - MN	369 311	341 915	140,0	4,0	40,0	31,4	913	Yes	
K	Piskorzow - MN	369 293	341 868	140,0	4,0	40,0	31,7	864	Yes	

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PL-52-333 Wroclaw

+48 71 398 84 16

Michal Roszyk / michal.roszyk@ansee.pl

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DECIBEL - Main Result**Calculation:** Analiza oddziaływania akustycznego - pora nocna - Wariant I

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Noise sensitive area		Polish GK 1992/19-ETRS89			Demands		Sound Level		Demands fulfilled ?	
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Distance to noise demand	Noise	
				[m]	[m]	[dB(A)]	[dB(A)]	[m]		
	L Piskorzow - RM	369 184	341 846	139,5	4,0	45,0	32,1	1 019	Yes	
	M Piskorzow - RM	369 224	341 634	137,9	4,0	45,0	33,2	869	Yes	
	N Piskorzow - MN	369 170	341 602	137,5	4,0	40,0	33,6	576	Yes	
	O Piskorzow - RM	369 188	341 443	138,0	4,0	45,0	34,6	702	Yes	
	P Piskorzow - MN	369 174	341 445	138,0	4,0	40,0	34,7	459	Yes	
	Q Piskorzow - RM	368 909	341 477	138,0	4,0	45,0	35,7	560	Yes	
	R Piskorzow - MN	369 037	341 367	138,0	4,0	40,0	36,0	310	Yes	
	S Piskorzow - MN	369 305	341 301	138,0	4,0	40,0	34,8	461	Yes	
	T Piskorzow - MN	369 303	341 388	138,0	4,0	40,0	34,3	513	Yes	
	U Piskorzow - RM	369 253	341 410	138,0	4,0	45,0	34,5	727	Yes	
	V Piskorzow - MN	369 278	341 504	138,0	4,0	40,0	33,8	573	Yes	
	W Piskorzow - MN	369 293	341 563	138,0	4,0	40,0	33,4	626	Yes	
	X Piskorzow - MN	369 306	341 679	138,0	4,0	40,0	32,7	722	Yes	
	Y Piskorzow - RM	369 309	341 708	138,0	4,0	45,0	32,5	980	Yes	
	Z Piskorzow - MNU	369 334	341 899	139,9	4,0	45,0	31,4	1 147	Yes	
	AA Piskorzow - RM	369 385	341 913	139,8	4,0	45,0	31,2	1 188	Yes	
	AB Piskorzow - MN	369 437	341 920	138,9	4,0	40,0	31,1	991	Yes	
	AC Piskorzow - MN	369 479	341 967	137,6	4,0	40,0	30,8	1 054	Yes	
	AD Piskorzow - MNU	369 504	342 029	138,0	4,0	45,0	30,4	1 352	Yes	
	AE Piskorzow - RM	369 475	342 036	138,3	4,0	45,0	30,4	1 340	Yes	
	AF Piskorzow - MN	369 447	342 043	138,6	4,0	40,0	30,5	1 095	Yes	
	AG Piskorzow - RM	369 416	342 049	139,2	4,0	45,0	30,5	1 316	Yes	
	AH Piskorzowek - MN	368 812	339 603	142,0	4,0	40,0	37,0	579	Yes	
	AI Piskorzowek - MN	368 698	339 607	142,8	4,0	40,0	36,8	548	Yes	
	AJ Piskorzowek - RM	368 607	339 627	143,6	4,0	45,0	36,7	776	Yes	
	AK Piskorzowek - MN	368 567	339 627	143,6	4,0	40,0	36,6	511	Yes	
	AL Piskorzowek - RM	368 517	339 621	143,5	4,0	45,0	36,6	774	Yes	
	AM Piskorzowek - MW	368 465	339 626	143,1	4,0	45,0	36,5	769	Yes	
	AN Piskorzowek - MNU	368 457	339 585	142,7	4,0	45,0	36,4	810	Yes	
	AO Piskorzowek - RM	368 353	339 641	142,5	4,0	45,0	36,4	761	Yes	
	AP Piskorzowek - MN	368 134	339 262	142,0	4,0	40,0	36,3	598	Yes	
	AQ Piskorzowek - MN	368 216	339 577	142,0	4,0	40,0	36,2	592	Yes	
	AR Piskorzowek - MW	368 221	339 612	142,8	4,0	45,0	36,2	812	Yes	
	AS Piskorzowek - MW	368 177	339 675	143,6	4,0	45,0	36,3	762	Yes	
	AT Piskorzowek - MN	368 138	339 681	142,0	4,0	40,0	36,2	513	Yes	
	AU Piskorzowek - RM	368 106	339 689	142,0	4,0	45,0	36,2	771	Yes	
	AV Piskorzowek - MN	368 063	339 699	142,0	4,0	40,0	36,2	524	Yes	
	AW Piskorzowek - MW	368 033	339 706	142,0	4,0	45,0	36,1	782	Yes	
	AX Piskorzowek - MN	367 942	339 732	142,0	4,0	40,0	36,0	548	Yes	
	AY Piskorzowek - RM	367 837	339 765	142,0	4,0	45,0	35,8	826	Yes	
	AZ Piskorzowek - MN	367 745	339 721	141,5	4,0	40,0	35,7	665	Yes	
	BA Piskorzowek - MN	367 848	339 828	142,0	4,0	40,0	35,9	518	Yes	
	BB Piskorzowek - RM	367 915	339 863	142,0	4,0	45,0	36,2	701	Yes	
	BC Piskorzowek - MN	368 078	339 823	142,0	4,0	40,0	36,5	405	Yes	
	BD Piskorzowek - MNU	367 995	339 779	142,0	4,0	45,0	36,2	732	Yes	
	BE Piskorzowek - US	368 164	339 811	142,7	4,0	45,0	36,7	636	Yes	
	BF Piskorzowek - MN	368 279	339 798	143,0	4,0	40,0	36,8	363	Yes	
	BG Piskorzowek - RM	368 270	339 721	143,9	4,0	45,0	36,5	696	Yes	
	BH Piskorzowek - MNU	368 321	339 707	143,9	4,0	45,0	36,6	700	Yes	
	BI Piskorzowek - MW	368 350	339 702	143,8	4,0	45,0	36,6	701	Yes	
	BJ Piskorzowek - ZP	368 425	339 692	143,7	4,0	45,0	36,6	704	Yes	
	BK Piskorzowek - MNU	368 413	339 714	144,0	4,0	45,0	36,7	683	Yes	
	BL Piskorzowek - RM	368 637	339 757	143,7	4,0	45,0	37,0	651	Yes	
	BM Piskorzowek - MN	368 649	339 756	143,3	4,0	40,0	37,0	393	Yes	
	BN Piskorzowek - RM	368 726	339 745	144,0	4,0	45,0	37,1	681	Yes	
	BO Piskorzowek - MN	368 744	339 744	142,9	4,0	40,0	37,1	425	Yes	
	BP Piskorzowek - RM	368 845	339 740	142,0	4,0	45,0	37,2	722	Yes	
	BQ Piskorzowek - ZP	368 463	339 658	143,5	4,0	45,0	36,6	736	Yes	
	BR Piskorzowek - RM	368 559	339 640	143,8	4,0	45,0	36,7	758	Yes	

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ansee consulting Michal Jaskiewicz

Przemyslowa 21/1

PL-52-333 Wroclaw

+48 71 398 84 16

Michal Roszyk / michal.roszyk@ansee.pl

Calculated:

2013-12-16 14:27/2.9.269



DECIBEL - Main Result

Calculation: Analiza oddziaływania akustycznego - pora nocna - Wariant I

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Noise sensitive area		Polish GK 1992/19-ETRS89			Demands		Sound Level		Demands fulfilled ?	
No.	Name	East	North	Z	Imission height	Noise	From WTGs	Distance to noise demand	Noise	
				[m]	[m]	[dB(A)]	[dB(A)]	[m]		
	BS Polwica - RM	371 852	340 217	142,0	4,0	45,0	32,2	1 481	Yes	
	BT Polwica - MN	371 852	340 100	142,0	4,0	40,0	32,6	1 000	Yes	
	BU Polwica - RM	371 939	340 010	142,0	4,0	45,0	32,5	1 409	Yes	
	BV Polwica - MN	371 977	339 885	142,0	4,0	40,0	32,8	956	Yes	
	BW Polwica - MN	372 093	339 773	144,0	4,0	40,0	32,5	981	Yes	
	BX Polwica - MN	371 983	339 727	145,3	4,0	40,0	33,2	865	Yes	
	BY Polwica - MN	372 047	339 699	144,0	4,0	40,0	33,0	901	Yes	
	BZ Polwica - MN	371 925	339 883	142,8	4,0	40,0	33,0	915	Yes	
	CA Polwica - ZP	371 887	339 655	145,2	4,0	55,0	34,0	1 416	Yes	
	CB Polwica - ZP	371 865	339 608	148,0	4,0	55,0	34,2	1 366	Yes	
	CC Polwica - ZP	371 754	339 646	146,7	4,0	55,0	34,7	1 321	Yes	
	CD Polwica - RM	371 426	339 709	142,9	4,0	45,0	36,3	823	Yes	
	CE Polwica - RM	371 794	340 104	142,0	4,0	45,0	32,8	1 362	Yes	
	CF Polwica - MNU	371 771	340 099	141,2	4,0	45,0	32,9	1 341	Yes	
	CG Polwica - MN	371 726	340 090	141,8	4,0	40,0	33,2	900	Yes	
	CH Polwica - RM	371 730	340 089	142,0	4,0	45,0	33,1	1 304	Yes	
	CI Polwica - MNU	371 661	340 101	142,0	4,0	45,0	33,4	1 263	Yes	
	CJ Polwica - MN	371 652	340 040	142,0	4,0	40,0	33,7	812	Yes	
	CK Polwica - MN	371 660	340 001	142,0	4,0	40,0	33,8	791	Yes	
	CL Polwica - MN	371 705	340 042	142,0	4,0	40,0	33,4	852	Yes	
	CM Polwica - MN	371 776	339 972	142,6	4,0	40,0	33,4	857	Yes	
	CN Polwica - MN	371 862	340 056	142,0	4,0	40,0	32,7	978	Yes	
	CO Polwica - MW	371 816	340 058	142,1	4,0	45,0	32,9	1 347	Yes	
	CP Polwica - MW	371 682	339 973	142,0	4,0	45,0	33,8	1 190	Yes	
	CQ Polwica - MN	371 731	339 928	143,0	4,0	40,0	33,8	795	Yes	
	CR Polwica - RM	371 669	339 864	143,7	4,0	45,0	34,3	1 109	Yes	
	CS Polwica - ZD	371 666	339 903	142,6	4,0	55,0	34,2	1 472	Yes	
	CT Polwica - ZP	371 768	339 908	143,5	4,0	55,0	33,7	1 542	Yes	
	CU Kurzatkowice	369 731	334 537	146,1	4,0	45,0	36,8	859	Yes	
	CV Kurzatkowice	369 543	334 407	146,5	4,0	45,0	37,8	701	Yes	
	CW Kurzatkowice	369 522	334 222	147,9	4,0	45,0	37,5	726	Yes	
	CX Chwastnica	367 902	341 444	140,0	4,0	45,0	35,1	612	Yes	
	CY Chwastnica	367 959	341 549	140,0	4,0	45,0	34,5	666	Yes	
	CZ Chwastnica	367 869	341 581	140,0	4,0	45,0	33,9	742	Yes	
	DA Skrzypnik	371 243	337 430	145,7	4,0	45,0	36,0	826	Yes	
	DB Skrzypnik	371 508	337 407	145,8	4,0	45,0	34,8	958	Yes	
	DC Skrzypnik	371 250	336 785	145,2	4,0	45,0	33,2	1 448	Yes	
	DD Konczyce	367 732	336 021	142,0	4,0	45,0	41,2	464	Yes	
	DE Konczyce	367 538	335 968	142,6	4,0	45,0	40,5	652	Yes	
	DF Konczyce	367 531	335 864	144,0	4,0	45,0	40,5	648	Yes	
	DG Konczyce	367 132	335 461	143,1	4,0	45,0	39,8	531	Yes	
	DH Konczyce	367 280	335 550	143,9	4,0	45,0	40,2	546	Yes	
	DI Konczyce	367 521	335 632	144,1	4,0	45,0	40,9	502	Yes	
	DJ Konczyce	367 176	335 727	140,4	4,0	45,0	39,3	751	Yes	
	DK Konczyce	367 375	335 803	142,3	4,0	45,0	40,0	720	Yes	
	DL Piskorzowek	367 594	340 345	140,9	4,0	45,0	35,7	639	Yes	
	DM Kuchary	365 636	337 992	140,9	4,0	45,0	39,0	465	Yes	
	DN Kuchary	365 604	338 069	140,0	4,0	45,0	38,5	488	Yes	
	DO Kuchary	365 454	338 078	142,0	4,0	45,0	37,1	637	Yes	
	DP Radoszkowice	365 904	336 552	142,0	4,0	45,0	36,7	723	Yes	
	DQ Radoszkowice	366 078	336 539	141,5	4,0	45,0	37,4	679	Yes	
	DR Radoszkowice	366 191	336 444	141,0	4,0	45,0	37,4	751	Yes	
	DS Danielowice	366 533	339 082	140,1	4,0	40,0	38,1	203	Yes	
	DT Danielowice	366 539	339 294	140,0	4,0	40,0	36,5	400	Yes	
	DU Danielowice	366 324	339 325	141,6	4,0	40,0	35,7	497	Yes	
	DV Danielowice	366 545	339 187	141,3	4,0	40,0	37,3	298	Yes	
	DW Grodziszowice	367 704	333 201	148,4	4,0	45,0	38,2	499	Yes	
	DX Grodziszowice	367 707	333 153	148,9	4,0	45,0	37,8	544	Yes	
	DY Grodziszowice	367 845	333 110	150,0	4,0	45,0	37,7	551	Yes	

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No.	Name	East	North	Z	Imission height	Noise	From WTGs	Distance to noise demand	Noise		
				[m]	[m]	[dB(A)]	[dB(A)]	[m]			
	DZ Grodziszowice	367 976	332 991	150,0	4,0	45,0	36,8	656	Yes		
	EA Domaniowek	370 081	337 018	145,8	4,0	45,0	36,8	834	Yes		
	EB Domaniowek	370 229	337 028	146,0	4,0	45,0	36,6	830	Yes		
	EC Domaniowek	370 168	336 271	145,5	4,0	45,0	35,4	1 188	Yes		
	ED Domaniowek	369 750	336 174	146,0	4,0	45,0	37,5	759	Yes		
	EE Domaniow	367 926	337 711	143,9	4,0	40,0	39,9	25	Yes		
	EF Domaniow	367 931	338 050	143,8	4,0	40,0	39,3	115	Yes		
	EG Domaniow	368 176	338 074	144,0	4,0	40,0	38,3	358	Yes		
	EH Domaniow	368 517	338 245	145,3	4,0	40,0	37,5	685	Yes		
	EI Domaniow	368 517	338 486	142,0	4,0	40,0	37,2	684	Yes		
	EJ Domaniow	369 130	338 281	142,0	4,0	40,0	39,0	146	Yes		
	EK Domaniow	369 348	337 988	144,0	4,0	40,0	39,7	37	Yes		
	EL Domaniow	369 126	338 010	144,0	4,0	40,0	38,7	230	Yes		
	EM Domaniow	369 000	337 956	144,0	4,0	40,0	38,3	367	Yes		
	EN Domaniow	368 923	337 708	144,6	4,0	40,0	38,5	311	Yes		
	EO Domaniow	368 560	337 726	143,8	4,0	40,0	38,7	221	Yes		
	EP Domaniow	368 462	337 576	142,1	4,0	40,0	39,6	54	Yes		

Distances (m)

WTG																					
NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
A	3925	3763	4391	4351	5100	5730	5646	5913	5668	5647	6454	6975	8097	8530	3225	8100	1883	4828	4246	7655	7806
B	3670	3503	4135	4182	4956	5575	5466	5718	5453	5418	6223	6744	7884	8305	2967	7870	1706	4658	3986	7425	7585
C	3540	3364	4004	4122	4910	5521	5397	5638	5358	5313	6116	6636	7791	8203	2832	7764	1647	4597	3837	7318	7485
D	3558	3388	4022	4067	4845	5461	5349	5600	5334	5300	6106	6627	7765	8187	2852	7753	1591	4543	3870	7307	7466
E	3503	3331	3967	4066	4844	5460	5349	5599	5319	5274	6077	6597	7752	8164	2796	7725	1590	4542	3814	7279	7446
F	3468	3299	3933	4045	4823	5439	5326	5565	5283	5237	6041	6561	7716	8127	2762	7688	1569	4521	3782	7243	7410
G	3425	3269	3890	3937	4709	5328	5222	5472	5209	5172	5976	6497	7640	8061	2728	7624	1461	4413	3758	7178	7341
H	3419	3252	3883	4003	4794	5403	5277	5515	5232	5186	5989	6509	7665	8076	2715	7637	1529	4477	3737	7191	7358
I	3360	3202	3825	3934	4730	5337	5206	5443	5161	5117	5920	6441	7594	8006	2661	7568	1463	4409	3690	7122	7288
J	3374	3219	3840	3936	4720	5335	5209	5448	5168	5126	5930	6451	7601	8015	2677	7578	1463	4410	3708	7132	7297
K	3321	3168	3787	3887	4681	5289	5159	5398	5116	5072	5876	6397	7549	7962	2625	7524	1415	4361	3659	7078	7243
L	3278	3128	3744	3811	4598	5209	5090	5338	5070	5026	5830	6351	7503	7916	2584	7478	1336	4287	3621	7032	7197
M	3090	2954	3557	3651	4455	5057	4919	5155	4875	4831	5635	6156	7307	7721	2405	7283	1186	4125	3453	6837	7004
N	3050	2917	3517	3595	4397	5000	4866	5105	4831	4788	5592	6112	7263	7678	2367	7239	1127	4069	3417	6794	6960
O	2923	2810	3391	3472	4285	4881	4733	4964	4680	4638	5442	5963	7113	7526	2255	7090	1019	3944	3317	6644	6808
P	2942	2837	3411	3465	4278	4874	4728	4961	4679	4641	5447	5968	7112	7529	2280	7094	1011	3938	3347	6649	6809
Q	2950	2850	3419	3353	4137	4749	4638	4896	4647	4624	5431	5952	7077	7507	2292	7077	877	3829	3361	6632	6783
R	2883	2792	3352	3325	4130	4731	4596	4837	4572	4549	5357	5879	7002	7432	2232	7002	861	3799	3306	6558	6707
S	2750	2615	3217	3424	4257	4840	4667	4881	4573	4518	5320	5840	7007	7409	2065	6968	1016	3893	3118	6522	6694
T	2818	2675	3284	3492	4320	4906	4741	4959	4656	4599	5398	5918	7090	7491	2127	7047	1067	3963	3174	6600	6778
U	2849	2703	3315	3482	4304	4894	4734	4955	4656	4603	5405	5926	7090	7494	2156	7053	1044	3953	3200	6607	6778
V	2980	2848	3447	3573	4390	4984	4830	5056	4762	4715	5518	6039	7196	7605	2298	7166	1126	4045	3349	6720	6887
W	3025	2887	3492	3630	4445	5040	4889	5116	4823	4775	5578	6099	7256	7665	2339	7226	1179	4102	3386	6780	6948
X	3085	2921	3549	3734	4543	5142	4998	5228	4937	4875	5675	6195	7370	7768	2381	7324	1274	4207	3410	6877	7054
Y	3114	2948	3578	3760	4567	5167	5024	5256	4966	4905	5705	6225	7399	7797	2409	7353	1298	4233	3436	6907	7084
Z	3285	3110	3749	3935	4732	5338	5205	5439	5139	5081	5881	6401	7572	7973	2575	7530	1464	4409	3592	7083	7259
AA	3325	3146	3789	3972	4769	5375	5241	5475	5181	5124	5924	6444	7615	8016	2613	7572	1501	4446	3627	7126	7301
AB	3348	3167	3811	4006	4808	5411	5272	5501	5205	5148	5948	6468	7639	8040	2635	7596	1539	4479	3646	7150	7326
AC	3332	3114	3790	4070	4875	5477	5333	5561	5262	5198	5993	6511	7696	8092	2598	7641	1606	4543	3577	7194	7382
AD	3435	3232	3895	4135	4938	5541	5399	5627	5328	5266	6065	6584	7761	8160	2709	7713	1669	4608	3701	7266	7447
AE	3456	3264	3918	4125	4926	5530	5392	5622	5327	5269	6069	6588	7760	8161	2737	7717	1658	4599	3737	7271	7448
AF	3466	3278	3928	4116	4914	5520	5385	5618	5327	5270	6071	6591	7760	8162	2749	7719	1647	4590	3753	7273	7448
AG	3479	3295	3941	4101	4894	5503	5374	5612	5324	5274	6075	6595	7757	8165	2764	7723	1629	4576	3772	7277	7448
AH	1465	1776	1869	1707	2625	3102	2816	2980	2660	2649	3461	3982	5093	5521	1336	5099	1135	2130	2286	4658	4795
AI	1559	1885	1953	1629	2543	3031	2764	2943	2650	2649	3461	3982	5080	5520	1448	5099	1096	2060	2391	4657	4791
AJ	1642	1976	2029	1593	2504	2998	2739	2927	2646	2660	3472	3993	5074	5522	1542	5106	1092	2027	2481	4666	4790
AK	1687	2025	2070	1578	2488	2985	2730	2921	2645	2666	3479	3999	5072	5522	1581	5110	1091	2014	2529	4671	4790

To be continued on next page...

Project:

FW Domaniew 2

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ansee consulting Michal Jaskiewicz

Przemyslowa 21/1

PL-52-333 Wroclaw

+48 71 398 84 16

Michal Roszyk / michal.roszyk@ansee.pl

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2013-12-16 14:27/2.9.269



DECIBEL - Main Result

Calculation: Analiza oddziaływania akustycznego - pora nocna - Wariant I

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WTG																					
NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
AL	1706	2046	2088	1528	2435	2940	2698	2900	2643	2669	3481	4002	5066	5522	1614	5112	1090	1970	2549	4673	4789
AM	1796	2123	2182	1506	2401	2924	2707	2930	2697	2746	3557	4076	5116	5583	1682	5180	1078	1958	2632	4743	4846
AN	1770	2115	2148	1436	2338	2851	2625	2842	2607	2654	3465	3984	5026	5493	1684	5089	1124	1884	2617	4652	4756
AO	1768	2177	2102	1277	2195	2677	2420	2621	2381	2446	3256	3773	4797	5270	1790	4872	1076	1706	2653	4437	4531
AP	1795	2206	2126	1126	2035	2538	2315	2548	2361	2449	3257	3774	4759	5256	1835	4870	1218	1570	2681	4437	4512
AQ	1987	2348	2349	1361	2246	2781	2590	2835	2646	2732	3540	4055	5047	5539	1923	5148	1167	1821	2846	4716	4797
AR	1998	2351	2365	1385	2266	2806	2619	2866	2678	2766	3573	4089	5080	5572	1922	5183	1132	1847	2852	4750	4829
AS	2065	2407	2436	1403	2268	2823	2658	2920	2746	2839	3645	4161	5145	5640	1968	5252	1081	1871	2912	4820	4897
AT	2017	2379	2378	1287	2158	2707	2540	2805	2646	2740	3547	4061	5035	5540	1956	5152	1087	1754	2877	4720	4796
AU	2108	2478	2462	1266	2131	2685	2526	2796	2648	2761	3564	4076	5033	5542	2046	5161	1090	1735	2973	4731	4796
AV	2166	2532	2521	1223	2034	2622	2525	2827	2685	2807	3608	4119	5066	5579	2091	5201	1096	1700	3029	4772	4832
AW	2204	2560	2564	1297	2126	2705	2587	2878	2741	2864	3666	4177	5120	5635	2122	5258	1101	1772	3061	4830	4888
AX	2298	2656	2654	1273	2079	2670	2575	2882	2771	2911	3708	4217	5136	5662	2215	5291	1118	1749	3156	4865	4913
AY	2387	2757	2734	1194	1904	2531	2514	2835	2755	2916	3707	4213	5102	5641	2322	5278	1145	1663	3253	4856	4891
AZ	2482	2844	2833	1196	1871	2509	2516	2875	2836	3007	3796	4300	5167	5719	2408	5361	1175	1662	3344	4940	4968
BA	2427	2773	2789	1340	2027	2667	2651	2966	2881	3034	3829	4335	5232	5769	2326	5404	1086	1812	3279	4980	5019
BB	2375	2721	2738	1346	2073	2715	2651	2959	2861	3006	3802	4310	5220	5751	2267	5383	1020	1822	3226	4958	5002
BC	2184	2524	2554	1354	2161	2753	2654	2953	2803	2915	3718	4231	5189	5698	2080	5316	976	1830	3030	4887	4952
BD	2274	2617	2641	1372	2196	2779	2662	2954	2829	2956	3757	4267	5203	5722	2171	5346	1052	1847	3123	4919	4974
BE	2111	2445	2486	1417	2269	2834	2685	2957	2794	2891	3697	4212	5189	5689	1998	5302	956	1888	2953	4870	4944
BF	2026	2344	2411	1452	2315	2871	2706	2965	2789	2877	3685	4201	5187	5683	1889	5293	938	1919	2856	4861	4940
BG	2002	2331	2383	1471	2339	2891	2718	2972	2779	2853	3663	4180	5186	5671	1884	5276	1015	1937	2840	4842	4930
BH	1956	2281	2339	1506	2384	2926	2739	2981	2775	2840	3650	4168	5186	5665	1834	5267	1018	1968	2791	4832	4925
BI	1929	2252	2314	1534	2418	2954	2756	2990	2772	2831	3642	4160	5186	5661	1804	5262	1018	1993	2762	4826	4922
BJ	1865	2180	2256	1556	2444	2975	2769	2997	2772	2820	3632	4151	5187	5659	1729	5255	1022	2013	2693	4819	4922
BK	1849	2158	2243	1588	2472	3008	2806	3024	2782	2827	3638	4158	5202	5667	1703	5263	996	2047	2672	4826	4931
BL	1696	1991	2100	1635	2528	3052	2831	3046	2794	2801	3613	4134	5220	5665	1533	5248	938	2087	2507	4808	4935
BM	1681	1975	2087	1741	2648	3151	2898	3086	2795	2798	3610	4132	5225	5664	1517	5246	972	2181	2492	4806	4935
BN	1616	1901	2027	1752	2659	3161	2905	3090	2795	2790	3601	4123	5226	5662	1441	5241	974	2190	2419	4799	4934
BO	1602	1882	2015	1805	2717	3210	2941	3113	2801	2788	3600	4122	5233	5662	1418	5239	1001	2238	2402	4797	4935
BP	1525	1791	1947	1842	2755	3243	2967	3134	2811	2789	3600	4122	5244	5666	1324	5241	1013	2272	2313	4799	4942
BQ	1821	2136	2212	1606	2502	3023	2800	3015	2765	2802	3614	4134	5187	5648	1687	5241	1056	2057	2648	4803	4912
BR	1743	2046	2142	1619	2517	3035	2808	3018	2764	2793	3605	4125	5187	5644	1591	5234	1052	2068	2561	4796	4910
BS	2486	1899	2698	4889	5811	6181	5726	5675	5040	4688	5295	5729	7204	7301	1925	6778	3409	5243	1921	6356	6737
BT	2412	1821	2610	4847	5768	6129	5666	5607	4964	4604	5203	5636	7113	7207	1874	6683	3411	5195	1826	6262	6644
BU	2426	1833	2604	4873	5793	6151	5685	5622	4974	4604	5188	5614	7098	7178	1897	6653	3461	5218	1800	6234	6625
BV	2389	1793	2545	4908	5823	6159	5674	5590	4927	4547	5117	5537	7027	7094	1923	6568	3548	5238	1725	6152	6550
BW	2432	1836	2559	4991	5903	6224	5728	5629	4954	4561	5112	5522	7020	7068	2010	6540	3684	5312	1721	6129	6536
BX	2313	1717	2444	4873	5784	6105	5608	5511	4838	4446	5003	5416	6912	6967	1892	6440	3605	5193	1610	6027	6430
BY	2356	1761	2476	4929	5839	6155	5654	5551	4874	4478	5026	5435	6934	6982	1950	6453	3714	5246	1635	6042	6450
BZ	2344	1748	2505	4857	5773	6110	5627	5545	4885	4507	5082	5504	6992	7064	1873	6539	3547	5189	1691	6122	6516
CA	2195	1599	2325	4748	5660	5985	5491	5392	4718	4327	4886	5301	6795	6855	1766	6328	3490	5070	1493	5913	6314
CB	2153	1558	2278	4731	5640	5953	5451	5349	4673	4280	4836	5246	6745	6789	1757	6260	3566	5045	1444	5849	6260
CC	2074	1478	2218	4631	5542	5862	5367	5273	4605	4221	4790	5212	6701	6772	1652	6246	3440	4950	1399	5829	6224
CD	1835	1243	2034	4329	5244	5582	5104	5033	4386	4026	4632	5071	6541	6650	1345	6129	3112	4659	1277	5704	6077
CE	2369	1781	2575	4798	5719	6081	5619	5562	4923	4567	5170	5606	7080	7180	1825	6657	3349	5146	1800	6234	6614
CF	2348	1760	2556	4774	5695	6058	5597	5540	4902	4547	5152	5588	7061	7163	1802	6641	3327	5123	1784	6218	6596
CG	2307	1720	2519	4728	5649	6012	5553	5498	4862	4509	5117	5555	7026	7131	1757	6610	3280	5077	1753	6186	6562
CH	2310	1723	2521	4732	5653	6016	5556	5501	4864	4511	5119	5557	7028	7133	1760	6611	3298	5081	1755	6187	6564
CI	2265	1681	2487	4670	5592	5959	5503	5452	4820	4472	5087	5528	6995	7107	1703	6586	3233	5022	1733	6161	6533
CJ	2219	1632	2434	4642	5563	5924	5464	5409	4773	4422	5033	5472	6941	7050	1669	6529	3244	4990	1674	6105	6478
CK	2200	1612	2409	4638	5558	5916	5451	5393	4754	4399	5007	5445	6916	7021	1661	6500	3261	4983	1644	6076	6452
CL	2261	1672	2469	4693	5614	5973	5510	5453	4814	4460	5066	5504	6975	7079	1718	6558	3300	5040	1701	6134	6511
CM	2273	1680	2463	4737	5656	6008	5537	5471	4823	4460	5053	5484	6963	7053	1757	6529	3340	5078	1673	6109	6493
CN	2393	1801	2584	4847	5767	6122	5654	5590	4944	4581	5175	5606	7085	7175	1869	6651	3451	5191	1795	6231	6615
CO	2357	1767	2554	4804	5724	6081	5615	5553	4910	4549	5147	5581	7057	7152	1827	6629	3405	5149	1772	6207	6589
CP	2199	1609	2402	4650	5569	5923	5456	5394	4752	4394	4998	5434	6907	7009							

Project:

FW Domaniew 2

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Licensed user:

ansee consulting Michal Jaskiewicz

Przemyslowa 21/1

PL-52-333 Wroclaw

+48 71 398 84 16

Michal Roszyk / michal.roszyk@ansee.pl

Calculated:

2013-12-16 14:27/2.9.269

DECIBEL - Main Result**Calculation:** Analiza oddziaływania akustycznego - pora nocna - Wariant I

...continued from previous page

WTG																					
NSA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
CU	4076	4441	3644	4728	4931	4547	3915	3382	2899	2565	1862	1498	2340	1806	4847	1369	6306	4493	4181	1301	1840
CV	4220	4603	3797	4746	4906	4495	3879	3343	2906	2609	1868	1456	2157	1590	4995	1174	6399	4491	4360	1161	1676
CW	4407	4789	3983	4899	5037	4610	4004	3468	3056	2776	2021	1588	2158	1533	5181	1167	6578	4634	4543	1223	1704
CX	3508	3607	3958	2955	3589	4248	4275	4625	4545	4659	5465	5979	6902	7437	3045	7063	929	3420	4148	6634	6688
CY	3562	3642	4014	3070	3708	4367	4391	4737	4649	4755	5562	6077	7011	7542	3077	7164	982	3536	4182	6734	6794
CZ	3639	3727	4090	3082	3701	4363	4402	4757	4683	4799	5605	6119	7037	7575	3163	7202	1059	3545	4268	6774	6826
DA	1740	1673	1350	4149	4892	4950	4308	4008	3230	2706	2978	3278	4803	4712	2236	4178	4296	4261	1184	3802	4277
DB	1957	1830	1590	4411	5157	5215	4572	4267	3489	2961	3204	3483	5005	4882	2398	4349	4488	4527	1311	3985	4474
DC	2231	2268	1788	4376	5038	5009	4341	3975	3196	2649	2741	2952	4454	4272	2816	3742	4811	4421	1810	3401	3913
DD	3414	3985	3198	2587	2533	2072	1488	957	940	1196	885	1001	1498	2030	4115	1743	4753	2225	4042	1394	1275
DE	3582	4159	3379	2611	2484	1983	1443	933	1070	1377	1081	1149	1413	2013	4273	1776	4840	2224	4227	1464	1265
DF	3664	4238	3453	2713	2574	2061	1535	1031	1165	1450	1099	1118	1309	1914	4360	1688	4943	2324	4297	1389	1168
DG	4231	4805	4019	3104	2815	2217	1830	1410	1714	2017	1590	1459	935	1693	4922	1631	5424	2676	4861	1473	1045
DH	4066	4638	3850	3013	2772	2197	1764	1313	1561	1848	1420	1311	994	1702	4762	1585	5303	2597	4690	1384	1009
DI	3847	4415	3618	2943	2781	2246	1748	1255	1380	1622	1166	1077	1077	1693	4555	1497	5173	2549	4454	1235	955
DJ	4006	4586	3811	2837	2571	1992	1572	1141	1470	1810	1473	1432	1184	1907	4686	1786	5156	2413	4661	1568	1213
DK	3814	4391	3610	2763	2567	2023	1541	1065	1295	1608	1263	1251	1241	1901	4503	1721	5035	2356	4457	1458	1172
DL	2939	3214	3332	1816	2467	3116	3135	3498	3474	3649	4438	4941	5788	6351	2716	5998	956	2279	3741	5579	5598
DM	4370	4924	4477	1715	798	816	1485	1993	2656	3184	3571	3862	3854	4635	4697	4516	3935	1414	5274	4240	3952
DN	4391	4942	4507	1722	815	888	1551	2063	2717	3242	3640	3936	3937	4717	4706	4597	3906	1440	5298	4319	4033
DO	4539	5088	4656	1864	963	1014	1686	2192	2857	3385	3771	4057	4015	4803	4848	4696	4012	1590	5447	4426	4128
DP	4549	5144	4503	2422	1707	1038	1266	1408	2182	2715	2764	2883	2485	3298	5076	3274	4894	1950	5364	3084	2688
DQ	4400	4996	4345	2340	1676	998	1136	1242	2013	2544	2591	2717	2374	3180	4939	3136	4816	1865	5208	2933	2552
DR	4347	4943	4278	2370	1751	1075	1122	1164	1922	2445	2462	2576	2233	3036	4903	2989	4845	1894	5143	2786	2405
DS	3462	3943	3693	888	910	1587	1848	2341	2660	3053	3699	4126	4602	5283	3606	5032	2538	1076	4378	4667	4538
DT	3492	3952	3746	1023	1121	1798	2054	2541	2833	3208	3872	4308	4809	5485	3589	5228	2403	1264	4403	4858	4739
DU	3709	4169	3961	1203	1148	1813	2136	2641	2979	3373	4017	4441	4882	5576	3804	5336	2562	1390	4620	4975	4835
DV	3466	3937	3709	945	1015	1693	1948	2437	2740	3123	3779	4212	4703	5381	3587	5125	2463	1164	4380	4757	4635
DW	5859	6350	5513	5382	5147	4538	4152	3688	3720	3750	2972	2471	1398	863	6626	1371	7555	4980	6227	1804	1570
DX	5902	6392	5555	5430	5194	4584	4199	3736	3768	3796	3017	2515	1445	907	6670	1411	7603	5028	6267	1846	1618
DY	5890	6373	5536	5486	5272	4669	4269	3797	3800	3808	3019	2511	1523	914	6661	1392	7633	5091	6236	1835	1650
DZ	5957	6429	5593	5620	5423	4826	4414	3936	3914	3901	3105	2591	1678	1020	6730	1462	7742	5230	6279	1909	1769
EA	1592	1936	1143	3223	3851	3819	3154	2809	2028	1489	1768	2124	3642	3657	2349	3130	4031	3239	1733	2716	3138
EB	1600	1902	1139	3349	3990	3964	3301	2958	2176	1637	1898	2237	3760	3751	2341	3222	4083	3375	1661	2815	3250
EC	2344	2661	1891	3709	4216	4068	3384	2952	2204	1666	1571	1754	3261	3131	3096	2597	4756	3641	2394	2228	2723
ED	2441	2834	2019	3456	3897	3706	3022	2568	1844	1327	1143	1339	2857	2782	3215	2250	4717	3345	2637	1856	2327
EE	2223	2816	2228	1086	1587	1643	1078	1068	819	1103	1820	2302	3194	3703	2754	3342	3054	981	3071	2926	2954
EF	2105	2684	2181	850	1526	1722	1256	1356	1154	1385	2136	2628	3530	4042	2560	3679	2720	893	2991	3259	3293
EG	1863	2445	1935	1044	1769	1963	1470	1509	1177	1306	2094	2601	3599	4069	2340	3681	2658	1136	2746	3252	3328
EH	1489	2066	1594	1304	2108	2339	1850	1857	1419	1408	2220	2740	3851	4268	1962	3850	2470	1480	2382	3411	3542
EI	1449	2001	1625	1267	2129	2426	1987	2043	1649	1649	2461	2981	4083	4507	1835	4091	2229	1517	2363	3652	3779
EJ	892	1483	986	1899	2722	2937	2410	2334	1747	1535	2312	2827	4106	4419	1473	3957	2520	2094	1770	3510	3731
EK	870	1456	780	2173	2944	3090	2512	2358	1687	1369	2093	2595	3946	4200	1583	3721	2863	2312	1633	3275	3539
EL	1026	1621	994	1953	2721	2874	2306	2177	1539	1282	2047	2560	3860	4156	1686	3691	2782	2089	1836	3243	3475
EM	1160	1756	1127	1850	2600	2741	2170	2041	1414	1185	1966	2484	3756	4071	1805	3614	2808	1967	1972	3167	3381
EN	1372	1963	1269	1876	2557	2635	2030	1851	1183	925	1708	2227	3499	3812	2049	3356	3040	1930	2132	2909	3122
EO	1655	2251	1608	1552	2197	2275	1682	1547	965	887	1700	2220	3373	3759	2269	3334	2990	1573	2463	2893	3040
EP	1819	2415	1747	1561	2139	2168	1552	1383	786	750	1556	2074	3199	3597	2445	3180	3139	1527	2608	2741	2874