

Z.U.O. "EKO - SOFT"  
 Łódź ul. Rogozińskiego 17/7  
 tel. 042 648 71 85

HAŁAS PRZEMYSŁOWY i DROGOWY  
 PROGRAM SON2 WERSJA 4.0

Właściciel licencji: Eko Usługi  
 ul. wileńska 2E/9 20-603 Lublin  
 Licencja nr KB/20603/Sp/13 z dnia 05.06.2013

#### DANE WEJŚCIOWE

Rodzaj obliczeń: Poziom hałasu równonowaznego

1. Nazwa projektu: "Modernizacja terenu GOW POLANKA polegająca na odbudowie istniejącego zbiornika
2. Temperatura powietrza [st C.] = 10
3. Wilgotność względna powietrza [%] = 70
4. Tło akustyczne dB(A):  
 Pora dnia : 0  
 Pora nocy : 0
5. Rodzaj gruntu : grunt mieszany, wskaźnik gruntu G = 0.70
6. Punktowe źródła hałasu

Lp	Symbol	współrzędne źródła				Rodzaj	LAW	tD	tN
Do		x	y	z	ht	źródła			
		m	m	m	m		dB(A)	h	h
1	01	47.3	186.3	2.0	0.0	wszechkier.	92.6	8.000	
2	02	86.2	200.0	2.0	0.0	wszechkier.	92.6	8.000	
3	03	58.4	137.6	2.0	0.0	wszechkier.	92.6	8.000	
4	04	109.8	132.0	2.0	0.0	wszechkier.	92.6	8.000	
5	05	34.8	99.0	2.0	0.0	wszechkier.	92.6	8.000	
6	06	104.3	94.5	2.0	0.0	wszechkier.	92.6	8.000	
7	07	13.9	53.0	2.0	0.0	wszechkier.	92.6	8.000	
8	08	73.7	54.2	2.0	0.0	wszechkier.	92.6	8.000	

LAW - poziom mocy akustycznej źródła nominalny  
 tD - czas pracy źródła w przedziale 8 kolejnych najmniej korzystnych godzin dnia  
 tN - czas pracy źródła w przedziale 1 najmniej korzystnej godziny nocy

z - wysokość źródła nad gruntem ; ht - wysokość gruntu względem płaszczyzny odniesienia

koniec danych

L<sub>Aeq</sub> , pory dnia i nocy

Nr punktu	współrzędne punktów			wysokość terenu	Poziom dźwięku w porze
	x	y	z		dnia nocy
	m	m	m	m	dB(A) dB(A)
1	0.0	320.0	1.5	0.0	40.8
2	10.0	320.0	1.5	0.0	41.0
3	20.0	320.0	1.5	0.0	41.2
4	30.0	320.0	1.5	0.0	41.3
5	40.0	320.0	1.5	0.0	41.4
6	50.0	320.0	1.5	0.0	41.5
7	60.0	320.0	1.5	0.0	41.6
8	70.0	320.0	1.5	0.0	41.6
9	80.0	320.0	1.5	0.0	41.6
10	90.0	320.0	1.5	0.0	41.5
11	100.0	320.0	1.5	0.0	41.5
12	110.0	320.0	1.5	0.0	41.3
13	120.0	320.0	1.5	0.0	41.2
14	130.0	320.0	1.5	0.0	41.0
15	140.0	320.0	1.5	0.0	40.8
16	150.0	320.0	1.5	0.0	40.6

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17	160.0	320.0	1.5	0.0	40.4
18	170.0	320.0	1.5	0.0	40.2
19	180.0	320.0	1.5	0.0	39.9
20	190.0	320.0	1.5	0.0	39.7
21	200.0	320.0	1.5	0.0	39.4
22	210.0	320.0	1.5	0.0	39.2
23	220.0	320.0	1.5	0.0	38.9
24	230.0	320.0	1.5	0.0	38.7
25	0.0	310.0	1.5	0.0	41.3
26	10.0	310.0	1.5	0.0	41.5
27	20.0	310.0	1.5	0.0	41.7
28	30.0	310.0	1.5	0.0	41.8
29	40.0	310.0	1.5	0.0	42.0
30	50.0	310.0	1.5	0.0	42.1
31	60.0	310.0	1.5	0.0	42.2
32	70.0	310.0	1.5	0.0	42.2
33	80.0	310.0	1.5	0.0	42.2
34	90.0	310.0	1.5	0.0	42.1
35	100.0	310.0	1.5	0.0	42.0
36	110.0	310.0	1.5	0.0	41.9
37	120.0	310.0	1.5	0.0	41.7
38	130.0	310.0	1.5	0.0	41.5
39	140.0	310.0	1.5	0.0	41.3
40	150.0	310.0	1.5	0.0	41.1
41	160.0	310.0	1.5	0.0	40.8
42	170.0	310.0	1.5	0.0	40.6
43	180.0	310.0	1.5	0.0	40.3
44	190.0	310.0	1.5	0.0	40.0
45	200.0	310.0	1.5	0.0	39.8
46	210.0	310.0	1.5	0.0	39.5
47	220.0	310.0	1.5	0.0	39.2
48	230.0	310.0	1.5	0.0	39.0
49	0.0	300.0	1.5	0.0	41.8
50	10.0	300.0	1.5	0.0	42.0
51	20.0	300.0	1.5	0.0	42.2
52	30.0	300.0	1.5	0.0	42.4
53	40.0	300.0	1.5	0.0	42.6
54	50.0	300.0	1.5	0.0	42.7
55	60.0	300.0	1.5	0.0	42.8
56	70.0	300.0	1.5	0.0	42.8
57	80.0	300.0	1.5	0.0	42.8
58	90.0	300.0	1.5	0.0	42.8
59	100.0	300.0	1.5	0.0	42.7
60	110.0	300.0	1.5	0.0	42.5
61	120.0	300.0	1.5	0.0	42.3
62	130.0	300.0	1.5	0.0	42.1
63	140.0	300.0	1.5	0.0	41.8
64	150.0	300.0	1.5	0.0	41.6
65	160.0	300.0	1.5	0.0	41.3
66	170.0	300.0	1.5	0.0	41.0
67	180.0	300.0	1.5	0.0	40.7
68	190.0	300.0	1.5	0.0	40.4
69	200.0	300.0	1.5	0.0	40.1
70	210.0	300.0	1.5	0.0	39.8
71	220.0	300.0	1.5	0.0	39.5
72	230.0	300.0	1.5	0.0	39.2
73	0.0	290.0	1.5	0.0	42.3
74	10.0	290.0	1.5	0.0	42.6
75	20.0	290.0	1.5	0.0	42.8
76	30.0	290.0	1.5	0.0	43.0
77	40.0	290.0	1.5	0.0	43.3
78	50.0	290.0	1.5	0.0	43.4
79	60.0	290.0	1.5	0.0	43.5
80	70.0	290.0	1.5	0.0	43.6
81	80.0	290.0	1.5	0.0	43.6
82	90.0	290.0	1.5	0.0	43.5
83	100.0	290.0	1.5	0.0	43.4
84	110.0	290.0	1.5	0.0	43.2
85	120.0	290.0	1.5	0.0	42.9
86	130.0	290.0	1.5	0.0	42.7
87	140.0	290.0	1.5	0.0	42.4
88	150.0	290.0	1.5	0.0	42.1
89	160.0	290.0	1.5	0.0	41.7
90	170.0	290.0	1.5	0.0	41.4
91	180.0	290.0	1.5	0.0	41.1
92	190.0	290.0	1.5	0.0	40.8
93	200.0	290.0	1.5	0.0	40.4
94	210.0	290.0	1.5	0.0	40.1
95	220.0	290.0	1.5	0.0	39.8
96	230.0	290.0	1.5	0.0	39.5
97	0.0	280.0	1.5	0.0	42.8
98	10.0	280.0	1.5	0.0	43.2
99	20.0	280.0	1.5	0.0	43.5
100	30.0	280.0	1.5	0.0	43.8
101	40.0	280.0	1.5	0.0	44.0
102	50.0	280.0	1.5	0.0	44.2
103	60.0	280.0	1.5	0.0	44.4
104	70.0	280.0	1.5	0.0	44.4
105	80.0	280.0	1.5	0.0	44.4
106	90.0	280.0	1.5	0.0	44.4
107	100.0	280.0	1.5	0.0	44.2
108	110.0	280.0	1.5	0.0	44.0
109	120.0	280.0	1.5	0.0	43.7

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110	130.0	280.0	1.5	0.0	43.3
111	140.0	280.0	1.5	0.0	43.0
112	150.0	280.0	1.5	0.0	42.6
113	160.0	280.0	1.5	0.0	42.2
114	170.0	280.0	1.5	0.0	41.9
115	180.0	280.0	1.5	0.0	41.5
116	190.0	280.0	1.5	0.0	41.1
117	200.0	280.0	1.5	0.0	40.8
118	210.0	280.0	1.5	0.0	40.4
119	220.0	280.0	1.5	0.0	40.1
120	230.0	280.0	1.5	0.0	39.8
121	0.0	270.0	1.5	0.0	43.4
122	10.0	270.0	1.5	0.0	43.8
123	20.0	270.0	1.5	0.0	44.2
124	30.0	270.0	1.5	0.0	44.6
125	40.0	270.0	1.5	0.0	44.9
126	50.0	270.0	1.5	0.0	45.1
127	60.0	270.0	1.5	0.0	45.3
128	70.0	270.0	1.5	0.0	45.4
129	80.0	270.0	1.5	0.0	45.4
130	90.0	270.0	1.5	0.0	45.3
131	100.0	270.0	1.5	0.0	45.1
132	110.0	270.0	1.5	0.0	44.8
133	120.0	270.0	1.5	0.0	44.4
134	130.0	270.0	1.5	0.0	44.0
135	140.0	270.0	1.5	0.0	43.6
136	150.0	270.0	1.5	0.0	43.2
137	160.0	270.0	1.5	0.0	42.7
138	170.0	270.0	1.5	0.0	42.3
139	180.0	270.0	1.5	0.0	41.9
140	190.0	270.0	1.5	0.0	41.5
141	200.0	270.0	1.5	0.0	41.1
142	210.0	270.0	1.5	0.0	40.8
143	220.0	270.0	1.5	0.0	40.4
144	230.0	270.0	1.5	0.0	40.1
145	0.0	260.0	1.5	0.0	44.1
146	10.0	260.0	1.5	0.0	44.6
147	20.0	260.0	1.5	0.0	45.0
148	30.0	260.0	1.5	0.0	45.5
149	40.0	260.0	1.5	0.0	45.8
150	50.0	260.0	1.5	0.0	46.2
151	60.0	260.0	1.5	0.0	46.4
152	70.0	260.0	1.5	0.0	46.6
153	80.0	260.0	1.5	0.0	46.6
154	90.0	260.0	1.5	0.0	46.5
155	100.0	260.0	1.5	0.0	46.2
156	110.0	260.0	1.5	0.0	45.8
157	120.0	260.0	1.5	0.0	45.3
158	130.0	260.0	1.5	0.0	44.8
159	140.0	260.0	1.5	0.0	44.3
160	150.0	260.0	1.5	0.0	43.7
161	160.0	260.0	1.5	0.0	43.2
162	170.0	260.0	1.5	0.0	42.8
163	180.0	260.0	1.5	0.0	42.3
164	190.0	260.0	1.5	0.0	41.9
165	200.0	260.0	1.5	0.0	41.5
166	210.0	260.0	1.5	0.0	41.1
167	220.0	260.0	1.5	0.0	40.7
168	230.0	260.0	1.5	0.0	40.3
169	0.0	250.0	1.5	0.0	44.8
170	10.0	250.0	1.5	0.0	45.3
171	20.0	250.0	1.5	0.0	45.9
172	30.0	250.0	1.5	0.0	46.4
173	40.0	250.0	1.5	0.0	46.9
174	50.0	250.0	1.5	0.0	47.3
175	60.0	250.0	1.5	0.0	47.7
176	70.0	250.0	1.5	0.0	47.9
177	80.0	250.0	1.5	0.0	48.0
178	90.0	250.0	1.5	0.0	47.9
179	100.0	250.0	1.5	0.0	47.5
180	110.0	250.0	1.5	0.0	47.0
181	120.0	250.0	1.5	0.0	46.3
182	130.0	250.0	1.5	0.0	45.6
183	140.0	250.0	1.5	0.0	45.0
184	150.0	250.0	1.5	0.0	44.3
185	160.0	250.0	1.5	0.0	43.8
186	170.0	250.0	1.5	0.0	43.2
187	180.0	250.0	1.5	0.0	42.7
188	190.0	250.0	1.5	0.0	42.3
189	200.0	250.0	1.5	0.0	41.8
190	210.0	250.0	1.5	0.0	41.4
191	220.0	250.0	1.5	0.0	41.0
192	230.0	250.0	1.5	0.0	40.6
193	0.0	240.0	1.5	0.0	45.5
194	10.0	240.0	1.5	0.0	46.2
195	20.0	240.0	1.5	0.0	46.9
196	30.0	240.0	1.5	0.0	47.6
197	40.0	240.0	1.5	0.0	48.2
198	50.0	240.0	1.5	0.0	48.7
199	60.0	240.0	1.5	0.0	49.2
200	70.0	240.0	1.5	0.0	49.5
201	80.0	240.0	1.5	0.0	49.7
202	90.0	240.0	1.5	0.0	49.6

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203	100.0	240.0	1.5	0.0	49.1
204	110.0	240.0	1.5	0.0	48.3
205	120.0	240.0	1.5	0.0	47.4
206	130.0	240.0	1.5	0.0	46.5
207	140.0	240.0	1.5	0.0	45.7
208	150.0	240.0	1.5	0.0	45.0
209	160.0	240.0	1.5	0.0	44.3
210	170.0	240.0	1.5	0.0	43.7
211	180.0	240.0	1.5	0.0	43.1
212	190.0	240.0	1.5	0.0	42.6
213	200.0	240.0	1.5	0.0	42.1
214	210.0	240.0	1.5	0.0	41.7
215	220.0	240.0	1.5	0.0	41.2
216	230.0	240.0	1.5	0.0	40.8
217	0.0	230.0	1.5	0.0	46.3
218	10.0	230.0	1.5	0.0	47.1
219	20.0	230.0	1.5	0.0	48.0
220	30.0	230.0	1.5	0.0	48.9
221	40.0	230.0	1.5	0.0	49.7
222	50.0	230.0	1.5	0.0	50.3
223	60.0	230.0	1.5	0.0	50.9
224	70.0	230.0	1.5	0.0	51.5
225	80.0	230.0	1.5	0.0	52.0
226	90.0	230.0	1.5	0.0	51.9
227	100.0	230.0	1.5	0.0	51.1
228	110.0	230.0	1.5	0.0	49.9
229	120.0	230.0	1.5	0.0	48.6
230	130.0	230.0	1.5	0.0	47.4
231	140.0	230.0	1.5	0.0	46.4
232	150.0	230.0	1.5	0.0	45.5
233	160.0	230.0	1.5	0.0	44.8
234	170.0	230.0	1.5	0.0	44.1
235	180.0	230.0	1.5	0.0	43.5
236	190.0	230.0	1.5	0.0	43.0
237	200.0	230.0	1.5	0.0	42.4
238	210.0	230.0	1.5	0.0	42.0
239	220.0	230.0	1.5	0.0	41.5
240	230.0	230.0	1.5	0.0	41.1
241	0.0	220.0	1.5	0.0	47.0
242	10.0	220.0	1.5	0.0	48.1
243	20.0	220.0	1.5	0.0	49.3
244	30.0	220.0	1.5	0.0	50.5
245	40.0	220.0	1.5	0.0	51.5
246	50.0	220.0	1.5	0.0	52.2
247	60.0	220.0	1.5	0.0	52.9
248	70.0	220.0	1.5	0.0	54.0
249	80.0	220.0	1.5	0.0	55.3
250	90.0	220.0	1.5	0.0	55.4
251	100.0	220.0	1.5	0.0	53.7
252	110.0	220.0	1.5	0.0	51.6
253	120.0	220.0	1.5	0.0	49.8
254	130.0	220.0	1.5	0.0	48.3
255	140.0	220.0	1.5	0.0	47.1
256	150.0	220.0	1.5	0.0	46.1
257	160.0	220.0	1.5	0.0	45.3
258	170.0	220.0	1.5	0.0	44.5
259	180.0	220.0	1.5	0.0	43.9
260	190.0	220.0	1.5	0.0	43.3
261	200.0	220.0	1.5	0.0	42.8
262	210.0	220.0	1.5	0.0	42.2
263	220.0	220.0	1.5	0.0	41.8
264	230.0	220.0	1.5	0.0	41.3
265	0.0	210.0	1.5	0.0	47.8
266	10.0	210.0	1.5	0.0	49.1
267	20.0	210.0	1.5	0.0	50.7
268	30.0	210.0	1.5	0.0	52.4
269	40.0	210.0	1.5	0.0	54.0
270	50.0	210.0	1.5	0.0	54.8
271	60.0	210.0	1.5	0.0	55.1
272	70.0	210.0	1.5	0.0	56.7
273	80.0	210.0	1.5	0.0	60.4
274	90.0	210.0	1.5	0.0	61.2
275	100.0	210.0	1.5	0.0	56.9
276	110.0	210.0	1.5	0.0	53.3
277	120.0	210.0	1.5	0.0	50.8
278	130.0	210.0	1.5	0.0	49.0
279	140.0	210.0	1.5	0.0	47.7
280	150.0	210.0	1.5	0.0	46.6
281	160.0	210.0	1.5	0.0	45.7
282	170.0	210.0	1.5	0.0	44.9
283	180.0	210.0	1.5	0.0	44.2
284	190.0	210.0	1.5	0.0	43.6
285	200.0	210.0	1.5	0.0	43.0
286	210.0	210.0	1.5	0.0	42.5
287	220.0	210.0	1.5	0.0	42.0
288	230.0	210.0	1.5	0.0	41.5
289	0.0	200.0	1.5	0.0	48.4
290	10.0	200.0	1.5	0.0	50.0
291	20.0	200.0	1.5	0.0	52.0
292	30.0	200.0	1.5	0.0	54.8
293	40.0	200.0	1.5	0.0	57.9
294	50.0	200.0	1.5	0.0	59.0
295	60.0	200.0	1.5	0.0	57.4

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296	70.0	200.0	1.5	0.0	58.4
297	80.0	200.0	1.5	0.0	66.2
298	90.0	200.0	1.5	0.0	70.5
299	100.0	200.0	1.5	0.0	58.9
300	110.0	200.0	1.5	0.0	54.1
301	120.0	200.0	1.5	0.0	51.4
302	130.0	200.0	1.5	0.0	49.5
303	140.0	200.0	1.5	0.0	48.1
304	150.0	200.0	1.5	0.0	47.1
305	160.0	200.0	1.5	0.0	46.1
306	170.0	200.0	1.5	0.0	45.3
307	180.0	200.0	1.5	0.0	44.6
308	190.0	200.0	1.5	0.0	43.9
309	200.0	200.0	1.5	0.0	43.3
310	210.0	200.0	1.5	0.0	42.7
311	220.0	200.0	1.5	0.0	42.2
312	230.0	200.0	1.5	0.0	41.7
313	0.0	190.0	1.5	0.0	48.9
314	10.0	190.0	1.5	0.0	50.6
315	20.0	190.0	1.5	0.0	53.0
316	30.0	190.0	1.5	0.0	56.7
317	40.0	190.0	1.5	0.0	63.6
318	50.0	190.0	1.5	0.0	68.9
319	60.0	190.0	1.5	0.0	59.9
320	70.0	190.0	1.5	0.0	57.9
321	80.0	190.0	1.5	0.0	60.6
322	90.0	190.0	1.5	0.0	61.3
323	100.0	190.0	1.5	0.0	57.2
324	110.0	190.0	1.5	0.0	53.7
325	120.0	190.0	1.5	0.0	51.5
326	130.0	190.0	1.5	0.0	49.8
327	140.0	190.0	1.5	0.0	48.5
328	150.0	190.0	1.5	0.0	47.5
329	160.0	190.0	1.5	0.0	46.5
330	170.0	190.0	1.5	0.0	45.7
331	180.0	190.0	1.5	0.0	44.9
332	190.0	190.0	1.5	0.0	44.2
333	200.0	190.0	1.5	0.0	43.6
334	210.0	190.0	1.5	0.0	43.0
335	220.0	190.0	1.5	0.0	42.4
336	230.0	190.0	1.5	0.0	41.9
337	0.0	180.0	1.5	0.0	49.1
338	10.0	180.0	1.5	0.0	50.8
339	20.0	180.0	1.5	0.0	53.1
340	30.0	180.0	1.5	0.0	56.5
341	40.0	180.0	1.5	0.0	62.2
342	50.0	180.0	1.5	0.0	65.3
343	60.0	180.0	1.5	0.0	59.2
344	70.0	180.0	1.5	0.0	56.6
345	80.0	180.0	1.5	0.0	56.5
346	90.0	180.0	1.5	0.0	56.2
347	100.0	180.0	1.5	0.0	54.7
348	110.0	180.0	1.5	0.0	53.0
349	120.0	180.0	1.5	0.0	51.4
350	130.0	180.0	1.5	0.0	50.1
351	140.0	180.0	1.5	0.0	49.0
352	150.0	180.0	1.5	0.0	47.9
353	160.0	180.0	1.5	0.0	46.9
354	170.0	180.0	1.5	0.0	46.0
355	180.0	180.0	1.5	0.0	45.2
356	190.0	180.0	1.5	0.0	44.5
357	200.0	180.0	1.5	0.0	43.8
358	210.0	180.0	1.5	0.0	43.2
359	220.0	180.0	1.5	0.0	42.6
360	230.0	180.0	1.5	0.0	42.1
361	0.0	170.0	1.5	0.0	49.2
362	10.0	170.0	1.5	0.0	50.7
363	20.0	170.0	1.5	0.0	52.5
364	30.0	170.0	1.5	0.0	54.8
365	40.0	170.0	1.5	0.0	57.2
366	50.0	170.0	1.5	0.0	58.0
367	60.0	170.0	1.5	0.0	56.8
368	70.0	170.0	1.5	0.0	55.6
369	80.0	170.0	1.5	0.0	54.9
370	90.0	170.0	1.5	0.0	54.4
371	100.0	170.0	1.5	0.0	53.7
372	110.0	170.0	1.5	0.0	52.8
373	120.0	170.0	1.5	0.0	51.9
374	130.0	170.0	1.5	0.0	50.7
375	140.0	170.0	1.5	0.0	49.6
376	150.0	170.0	1.5	0.0	48.4
377	160.0	170.0	1.5	0.0	47.4
378	170.0	170.0	1.5	0.0	46.4
379	180.0	170.0	1.5	0.0	45.5
380	190.0	170.0	1.5	0.0	44.7
381	200.0	170.0	1.5	0.0	44.0
382	210.0	170.0	1.5	0.0	43.4
383	220.0	170.0	1.5	0.0	42.8
384	230.0	170.0	1.5	0.0	42.2
385	0.0	160.0	1.5	0.0	49.3
386	10.0	160.0	1.5	0.0	50.6
387	20.0	160.0	1.5	0.0	52.1
388	30.0	160.0	1.5	0.0	53.8

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389	40.0	160.0	1.5	0.0	55.3
390	50.0	160.0	1.5	0.0	56.4
391	60.0	160.0	1.5	0.0	56.5
392	70.0	160.0	1.5	0.0	55.8
393	80.0	160.0	1.5	0.0	54.8
394	90.0	160.0	1.5	0.0	54.3
395	100.0	160.0	1.5	0.0	54.2
396	110.0	160.0	1.5	0.0	54.0
397	120.0	160.0	1.5	0.0	53.1
398	130.0	160.0	1.5	0.0	51.8
399	140.0	160.0	1.5	0.0	50.4
400	150.0	160.0	1.5	0.0	49.0
401	160.0	160.0	1.5	0.0	47.8
402	170.0	160.0	1.5	0.0	46.7
403	180.0	160.0	1.5	0.0	45.8
404	190.0	160.0	1.5	0.0	45.0
405	200.0	160.0	1.5	0.0	44.2
406	210.0	160.0	1.5	0.0	43.5
407	220.0	160.0	1.5	0.0	42.9
408	230.0	160.0	1.5	0.0	42.3
409	0.0	150.0	1.5	0.0	49.5
410	10.0	150.0	1.5	0.0	50.7
411	20.0	150.0	1.5	0.0	52.1
412	30.0	150.0	1.5	0.0	53.8
413	40.0	150.0	1.5	0.0	55.9
414	50.0	150.0	1.5	0.0	58.7
415	60.0	150.0	1.5	0.0	60.2
416	70.0	150.0	1.5	0.0	57.9
417	80.0	150.0	1.5	0.0	55.8
418	90.0	150.0	1.5	0.0	55.4
419	100.0	150.0	1.5	0.0	56.3
420	110.0	150.0	1.5	0.0	56.9
421	120.0	150.0	1.5	0.0	55.6
422	130.0	150.0	1.5	0.0	53.4
423	140.0	150.0	1.5	0.0	51.3
424	150.0	150.0	1.5	0.0	49.6
425	160.0	150.0	1.5	0.0	48.2
426	170.0	150.0	1.5	0.0	47.1
427	180.0	150.0	1.5	0.0	46.0
428	190.0	150.0	1.5	0.0	45.2
429	200.0	150.0	1.5	0.0	44.4
430	210.0	150.0	1.5	0.0	43.7
431	220.0	150.0	1.5	0.0	43.0
432	230.0	150.0	1.5	0.0	42.4
433	0.0	140.0	1.5	0.0	49.8
434	10.0	140.0	1.5	0.0	51.1
435	20.0	140.0	1.5	0.0	52.5
436	30.0	140.0	1.5	0.0	54.2
437	40.0	140.0	1.5	0.0	57.0
438	50.0	140.0	1.5	0.0	63.2
439	60.0	140.0	1.5	0.0	72.9
440	70.0	140.0	1.5	0.0	60.6
441	80.0	140.0	1.5	0.0	56.7
442	90.0	140.0	1.5	0.0	56.7
443	100.0	140.0	1.5	0.0	60.0
444	110.0	140.0	1.5	0.0	63.9
445	120.0	140.0	1.5	0.0	59.6
446	130.0	140.0	1.5	0.0	55.1
447	140.0	140.0	1.5	0.0	52.2
448	150.0	140.0	1.5	0.0	50.2
449	160.0	140.0	1.5	0.0	48.6
450	170.0	140.0	1.5	0.0	47.3
451	180.0	140.0	1.5	0.0	46.2
452	190.0	140.0	1.5	0.0	45.3
453	200.0	140.0	1.5	0.0	44.5
454	210.0	140.0	1.5	0.0	43.8
455	220.0	140.0	1.5	0.0	43.1
456	230.0	140.0	1.5	0.0	42.5
457	0.0	130.0	1.5	0.0	50.3
458	10.0	130.0	1.5	0.0	51.6
459	20.0	130.0	1.5	0.0	53.1
460	30.0	130.0	1.5	0.0	54.7
461	40.0	130.0	1.5	0.0	56.9
462	50.0	130.0	1.5	0.0	61.0
463	60.0	130.0	1.5	0.0	64.2
464	70.0	130.0	1.5	0.0	59.4
465	80.0	130.0	1.5	0.0	56.6
466	90.0	130.0	1.5	0.0	57.2
467	100.0	130.0	1.5	0.0	62.1
468	110.0	130.0	1.5	0.0	76.0
469	120.0	130.0	1.5	0.0	61.6
470	130.0	130.0	1.5	0.0	55.8
471	140.0	130.0	1.5	0.0	52.6
472	150.0	130.0	1.5	0.0	50.5
473	160.0	130.0	1.5	0.0	48.8
474	170.0	130.0	1.5	0.0	47.5
475	180.0	130.0	1.5	0.0	46.4
476	190.0	130.0	1.5	0.0	45.4
477	200.0	130.0	1.5	0.0	44.6
478	210.0	130.0	1.5	0.0	43.8
479	220.0	130.0	1.5	0.0	43.2
480	230.0	130.0	1.5	0.0	42.6
481	0.0	120.0	1.5	0.0	50.9

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482	10.0	120.0	1.5	0.0	52.6
483	20.0	120.0	1.5	0.0	54.5
484	30.0	120.0	1.5	0.0	56.1
485	40.0	120.0	1.5	0.0	57.0
486	50.0	120.0	1.5	0.0	57.6
487	60.0	120.0	1.5	0.0	57.8
488	70.0	120.0	1.5	0.0	56.7
489	80.0	120.0	1.5	0.0	56.0
490	90.0	120.0	1.5	0.0	56.8
491	100.0	120.0	1.5	0.0	59.0
492	110.0	120.0	1.5	0.0	60.8
493	120.0	120.0	1.5	0.0	58.4
494	130.0	120.0	1.5	0.0	55.1
495	140.0	120.0	1.5	0.0	52.5
496	150.0	120.0	1.5	0.0	50.5
497	160.0	120.0	1.5	0.0	48.9
498	170.0	120.0	1.5	0.0	47.5
499	180.0	120.0	1.5	0.0	46.4
500	190.0	120.0	1.5	0.0	45.4
501	200.0	120.0	1.5	0.0	44.6
502	210.0	120.0	1.5	0.0	43.8
503	220.0	120.0	1.5	0.0	43.2
504	230.0	120.0	1.5	0.0	42.6
505	0.0	110.0	1.5	0.0	51.5
506	10.0	110.0	1.5	0.0	53.7
507	20.0	110.0	1.5	0.0	56.7
508	30.0	110.0	1.5	0.0	60.4
509	40.0	110.0	1.5	0.0	60.4
510	50.0	110.0	1.5	0.0	57.6
511	60.0	110.0	1.5	0.0	56.1
512	70.0	110.0	1.5	0.0	55.4
513	80.0	110.0	1.5	0.0	55.7
514	90.0	110.0	1.5	0.0	57.1
515	100.0	110.0	1.5	0.0	58.9
516	110.0	110.0	1.5	0.0	58.9
517	120.0	110.0	1.5	0.0	56.9
518	130.0	110.0	1.5	0.0	54.4
519	140.0	110.0	1.5	0.0	52.2
520	150.0	110.0	1.5	0.0	50.3
521	160.0	110.0	1.5	0.0	48.8
522	170.0	110.0	1.5	0.0	47.5
523	180.0	110.0	1.5	0.0	46.4
524	190.0	110.0	1.5	0.0	45.4
525	200.0	110.0	1.5	0.0	44.6
526	210.0	110.0	1.5	0.0	43.8
527	220.0	110.0	1.5	0.0	43.1
528	230.0	110.0	1.5	0.0	42.5
529	0.0	100.0	1.5	0.0	52.0
530	10.0	100.0	1.5	0.0	54.4
531	20.0	100.0	1.5	0.0	58.5
532	30.0	100.0	1.5	0.0	68.2
533	40.0	100.0	1.5	0.0	67.6
534	50.0	100.0	1.5	0.0	58.7
535	60.0	100.0	1.5	0.0	55.8
536	70.0	100.0	1.5	0.0	55.1
537	80.0	100.0	1.5	0.0	55.8
538	90.0	100.0	1.5	0.0	58.7
539	100.0	100.0	1.5	0.0	65.2
540	110.0	100.0	1.5	0.0	64.1
541	120.0	100.0	1.5	0.0	57.8
542	130.0	100.0	1.5	0.0	54.3
543	140.0	100.0	1.5	0.0	51.9
544	150.0	100.0	1.5	0.0	50.1
545	160.0	100.0	1.5	0.0	48.6
546	170.0	100.0	1.5	0.0	47.3
547	180.0	100.0	1.5	0.0	46.2
548	190.0	100.0	1.5	0.0	45.3
549	200.0	100.0	1.5	0.0	44.5
550	210.0	100.0	1.5	0.0	43.7
551	220.0	100.0	1.5	0.0	43.1
552	230.0	100.0	1.5	0.0	42.5
553	0.0	90.0	1.5	0.0	52.4
554	10.0	90.0	1.5	0.0	54.4
555	20.0	90.0	1.5	0.0	57.4
556	30.0	90.0	1.5	0.0	61.8
557	40.0	90.0	1.5	0.0	61.7
558	50.0	90.0	1.5	0.0	57.5
559	60.0	90.0	1.5	0.0	55.4
560	70.0	90.0	1.5	0.0	55.0
561	80.0	90.0	1.5	0.0	55.8
562	90.0	90.0	1.5	0.0	58.8
563	100.0	90.0	1.5	0.0	66.1
564	110.0	90.0	1.5	0.0	64.7
565	120.0	90.0	1.5	0.0	57.7
566	130.0	90.0	1.5	0.0	53.9
567	140.0	90.0	1.5	0.0	51.5
568	150.0	90.0	1.5	0.0	49.7
569	160.0	90.0	1.5	0.0	48.3
570	170.0	90.0	1.5	0.0	47.1
571	180.0	90.0	1.5	0.0	46.1
572	190.0	90.0	1.5	0.0	45.1
573	200.0	90.0	1.5	0.0	44.3
574	210.0	90.0	1.5	0.0	43.6

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575	220.0	90.0	1.5	0.0	43.0
576	230.0	90.0	1.5	0.0	42.4
577	0.0	80.0	1.5	0.0	53.2
578	10.0	80.0	1.5	0.0	54.7
579	20.0	80.0	1.5	0.0	56.0
580	30.0	80.0	1.5	0.0	57.0
581	40.0	80.0	1.5	0.0	56.8
582	50.0	80.0	1.5	0.0	55.8
583	60.0	80.0	1.5	0.0	55.3
584	70.0	80.0	1.5	0.0	55.5
585	80.0	80.0	1.5	0.0	55.9
586	90.0	80.0	1.5	0.0	56.8
587	100.0	80.0	1.5	0.0	58.5
588	110.0	80.0	1.5	0.0	58.1
589	120.0	80.0	1.5	0.0	55.4
590	130.0	80.0	1.5	0.0	52.8
591	140.0	80.0	1.5	0.0	50.8
592	150.0	80.0	1.5	0.0	49.2
593	160.0	80.0	1.5	0.0	47.9
594	170.0	80.0	1.5	0.0	46.8
595	180.0	80.0	1.5	0.0	45.8
596	190.0	80.0	1.5	0.0	44.9
597	200.0	80.0	1.5	0.0	44.2
598	210.0	80.0	1.5	0.0	43.5
599	220.0	80.0	1.5	0.0	42.9
600	230.0	80.0	1.5	0.0	42.3
601	0.0	70.0	1.5	0.0	55.1
602	10.0	70.0	1.5	0.0	57.2
603	20.0	70.0	1.5	0.0	57.3
604	30.0	70.0	1.5	0.0	56.1
605	40.0	70.0	1.5	0.0	55.3
606	50.0	70.0	1.5	0.0	55.3
607	60.0	70.0	1.5	0.0	56.4
608	70.0	70.0	1.5	0.0	58.0
609	80.0	70.0	1.5	0.0	57.8
610	90.0	70.0	1.5	0.0	56.3
611	100.0	70.0	1.5	0.0	55.4
612	110.0	70.0	1.5	0.0	54.6
613	120.0	70.0	1.5	0.0	53.1
614	130.0	70.0	1.5	0.0	51.5
615	140.0	70.0	1.5	0.0	49.9
616	150.0	70.0	1.5	0.0	48.6
617	160.0	70.0	1.5	0.0	47.4
618	170.0	70.0	1.5	0.0	46.4
619	180.0	70.0	1.5	0.0	45.5
620	190.0	70.0	1.5	0.0	44.7
621	200.0	70.0	1.5	0.0	44.0
622	210.0	70.0	1.5	0.0	43.3
623	220.0	70.0	1.5	0.0	42.7
624	230.0	70.0	1.5	0.0	42.2
625	0.0	60.0	1.5	0.0	57.8
626	10.0	60.0	1.5	0.0	63.8
627	20.0	60.0	1.5	0.0	62.5
628	30.0	60.0	1.5	0.0	57.3
629	40.0	60.0	1.5	0.0	55.2
630	50.0	60.0	1.5	0.0	55.5
631	60.0	60.0	1.5	0.0	58.6
632	70.0	60.0	1.5	0.0	65.2
633	80.0	60.0	1.5	0.0	63.3
634	90.0	60.0	1.5	0.0	57.4
635	100.0	60.0	1.5	0.0	54.5
636	110.0	60.0	1.5	0.0	52.9
637	120.0	60.0	1.5	0.0	51.6
638	130.0	60.0	1.5	0.0	50.3
639	140.0	60.0	1.5	0.0	49.0
640	150.0	60.0	1.5	0.0	47.9
641	160.0	60.0	1.5	0.0	46.9
642	170.0	60.0	1.5	0.0	46.0
643	180.0	60.0	1.5	0.0	45.1
644	190.0	60.0	1.5	0.0	44.4
645	200.0	60.0	1.5	0.0	43.7
646	210.0	60.0	1.5	0.0	43.1
647	220.0	60.0	1.5	0.0	42.5
648	230.0	60.0	1.5	0.0	42.0
649	0.0	50.0	1.5	0.0	58.5
650	10.0	50.0	1.5	0.0	68.2
651	20.0	50.0	1.5	0.0	65.3
652	30.0	50.0	1.5	0.0	57.7
653	40.0	50.0	1.5	0.0	54.9
654	50.0	50.0	1.5	0.0	55.2
655	60.0	50.0	1.5	0.0	58.8
656	70.0	50.0	1.5	0.0	67.0
657	80.0	50.0	1.5	0.0	64.3
658	90.0	50.0	1.5	0.0	57.3
659	100.0	50.0	1.5	0.0	53.8
660	110.0	50.0	1.5	0.0	51.8
661	120.0	50.0	1.5	0.0	50.4
662	130.0	50.0	1.5	0.0	49.3
663	140.0	50.0	1.5	0.0	48.2
664	150.0	50.0	1.5	0.0	47.2
665	160.0	50.0	1.5	0.0	46.3
666	170.0	50.0	1.5	0.0	45.5
667	180.0	50.0	1.5	0.0	44.7



				0502.txt	
668	190.0	50.0	1.5	0.0	44.1
669	200.0	50.0	1.5	0.0	43.4
670	210.0	50.0	1.5	0.0	42.9
671	220.0	50.0	1.5	0.0	42.3
672	230.0	50.0	1.5	0.0	41.8
673	0.0	40.0	1.5	0.0	55.8
674	10.0	40.0	1.5	0.0	58.9
675	20.0	40.0	1.5	0.0	58.5
676	30.0	40.0	1.5	0.0	55.6
677	40.0	40.0	1.5	0.0	53.8
678	50.0	40.0	1.5	0.0	54.0
679	60.0	40.0	1.5	0.0	56.0
680	70.0	40.0	1.5	0.0	58.4
681	80.0	40.0	1.5	0.0	57.8
682	90.0	40.0	1.5	0.0	55.0
683	100.0	40.0	1.5	0.0	52.5
684	110.0	40.0	1.5	0.0	50.8
685	120.0	40.0	1.5	0.0	49.5
686	130.0	40.0	1.5	0.0	48.4
687	140.0	40.0	1.5	0.0	47.5
688	150.0	40.0	1.5	0.0	46.6
689	160.0	40.0	1.5	0.0	45.8
690	170.0	40.0	1.5	0.0	45.0
691	180.0	40.0	1.5	0.0	44.4
692	190.0	40.0	1.5	0.0	43.7
693	200.0	40.0	1.5	0.0	43.1
694	210.0	40.0	1.5	0.0	42.6
695	220.0	40.0	1.5	0.0	42.1
696	230.0	40.0	1.5	0.0	41.6
697	0.0	30.0	1.5	0.0	52.7
698	10.0	30.0	1.5	0.0	54.1
699	20.0	30.0	1.5	0.0	54.1
700	30.0	30.0	1.5	0.0	53.1
701	40.0	30.0	1.5	0.0	52.3
702	50.0	30.0	1.5	0.0	52.4
703	60.0	30.0	1.5	0.0	53.2
704	70.0	30.0	1.5	0.0	53.9
705	80.0	30.0	1.5	0.0	53.7
706	90.0	30.0	1.5	0.0	52.4
707	100.0	30.0	1.5	0.0	50.9
708	110.0	30.0	1.5	0.0	49.6
709	120.0	30.0	1.5	0.0	48.5
710	130.0	30.0	1.5	0.0	47.6
711	140.0	30.0	1.5	0.0	46.7
712	150.0	30.0	1.5	0.0	46.0
713	160.0	30.0	1.5	0.0	45.2
714	170.0	30.0	1.5	0.0	44.6
715	180.0	30.0	1.5	0.0	44.0
716	190.0	30.0	1.5	0.0	43.4
717	200.0	30.0	1.5	0.0	42.8
718	210.0	30.0	1.5	0.0	42.3
719	220.0	30.0	1.5	0.0	41.8
720	230.0	30.0	1.5	0.0	41.4
721	0.0	20.0	1.5	0.0	50.3
722	10.0	20.0	1.5	0.0	51.1
723	20.0	20.0	1.5	0.0	51.2
724	30.0	20.0	1.5	0.0	50.9
725	40.0	20.0	1.5	0.0	50.7
726	50.0	20.0	1.5	0.0	50.7
727	60.0	20.0	1.5	0.0	51.0
728	70.0	20.0	1.5	0.0	51.2
729	80.0	20.0	1.5	0.0	51.0
730	90.0	20.0	1.5	0.0	50.3
731	100.0	20.0	1.5	0.0	49.4
732	110.0	20.0	1.5	0.0	48.4
733	120.0	20.0	1.5	0.0	47.5
734	130.0	20.0	1.5	0.0	46.7
735	140.0	20.0	1.5	0.0	46.0
736	150.0	20.0	1.5	0.0	45.3
737	160.0	20.0	1.5	0.0	44.7
738	170.0	20.0	1.5	0.0	44.1
739	180.0	20.0	1.5	0.0	43.5
740	190.0	20.0	1.5	0.0	43.0
741	200.0	20.0	1.5	0.0	42.5
742	210.0	20.0	1.5	0.0	42.0
743	220.0	20.0	1.5	0.0	41.6
744	230.0	20.0	1.5	0.0	41.2
745	0.0	10.0	1.5	0.0	48.5
746	10.0	10.0	1.5	0.0	49.0
747	20.0	10.0	1.5	0.0	49.2
748	30.0	10.0	1.5	0.0	49.2
749	40.0	10.0	1.5	0.0	49.2
750	50.0	10.0	1.5	0.0	49.2
751	60.0	10.0	1.5	0.0	49.3
752	70.0	10.0	1.5	0.0	49.3
753	80.0	10.0	1.5	0.0	49.1
754	90.0	10.0	1.5	0.0	48.6
755	100.0	10.0	1.5	0.0	48.0
756	110.0	10.0	1.5	0.0	47.3
757	120.0	10.0	1.5	0.0	46.6
758	130.0	10.0	1.5	0.0	46.0
759	140.0	10.0	1.5	0.0	45.3
760	150.0	10.0	1.5	0.0	44.7

				0502.txt	
761	160.0	10.0	1.5	0.0	44.2
762	170.0	10.0	1.5	0.0	43.6
763	180.0	10.0	1.5	0.0	43.1
764	190.0	10.0	1.5	0.0	42.7
765	200.0	10.0	1.5	0.0	42.2
766	210.0	10.0	1.5	0.0	41.8
767	220.0	10.0	1.5	0.0	41.3
768	230.0	10.0	1.5	0.0	40.9
769	0.0	0.0	1.5	0.0	47.0
770	10.0	0.0	1.5	0.0	47.4
771	20.0	0.0	1.5	0.0	47.7
772	30.0	0.0	1.5	0.0	47.8
773	40.0	0.0	1.5	0.0	47.8
774	50.0	0.0	1.5	0.0	47.8
775	60.0	0.0	1.5	0.0	47.8
776	70.0	0.0	1.5	0.0	47.8
777	80.0	0.0	1.5	0.0	47.6
778	90.0	0.0	1.5	0.0	47.3
779	100.0	0.0	1.5	0.0	46.8
780	110.0	0.0	1.5	0.0	46.3
781	120.0	0.0	1.5	0.0	45.8
782	130.0	0.0	1.5	0.0	45.2
783	140.0	0.0	1.5	0.0	44.7
784	150.0	0.0	1.5	0.0	44.2
785	160.0	0.0	1.5	0.0	43.7
786	170.0	0.0	1.5	0.0	43.2
787	180.0	0.0	1.5	0.0	42.7
788	190.0	0.0	1.5	0.0	42.3
789	200.0	0.0	1.5	0.0	41.9
790	210.0	0.0	1.5	0.0	41.4
791	220.0	0.0	1.5	0.0	41.0
792	230.0	0.0	1.5	0.0	40.7

LAeq , dzień: wartość największa występuje w punkcie (110,130,1.5)  
i wynosi 76.0 dB(A)

koniec obliczeń