

Prilog 7.1. Rezultati mjerenja razina buke u putničkom prostoru tramvaja / Results of noise measurements in tramway
Annex 7.1.

Rd.br. mjerenja / Measurement no.	Oznaka mjerenja / Measurement code	Oznaka segmenta / Segment code	Duljina segmenta [m] / Segment length [m]	Dionica (ZET) / Section (ZET)	LAeq,seg [dB(A)]	T [s]	LAeq,T [dB(A)]
1	M1-04	Z-02-03	136,47	1	-	20	68,0
2	M1-07	Z-04-01	208,37	7	-	30	70,1
3	M3-11	Z-05-01	117,92	19	-	10	74,0
4	M3-09	Z-06-01	95,79	17	-	20	68,6
5	M3-09	Z-06-03	170,14	17	-	20	69,3
6	M3-05	Z-07-01	133,42	75	-	20	74,4
7	M2-02	Z-09-05	131,53	62	71,4	20	70,3
8	M5-05	Z-10-05	118,34	71	76,8	10	76,0
9	M5-08	Z-13-01	182,32	52	70,4	10	72,6
10	M2-03	Z-14-02	157,58	59	-	30	70,6
11	M1-10	Z-15-01	118,06	47	-	30	77,9
12	M5-02+M5-03	Z-17-03	199,08	51	72,4	10	72,1
13	M2-08	Z-18-04	119,17	42	-	10	70,5
14	M2-07	Z-19-01	173,00	44	-	20	74,3
15	M1-04+M1-05	D-01-01	228,18	2	75,0	30	75,3
16	M1-04	D-01-02	2270,51	2	73,8	30	72,6
17	M1-03	D-02-01	303,18	4	74,7	19	76,0
18	M1-05+M1-06	D-02-02	417,90	4	73,9	30	74,8
19	M1-03	D-02-03	434,64	4	74,3	30	74,7
20	M1-06	D-02-04	304,03	4	74,2	30	74,7
21	M1-03	D-02-05	1356,41	4	73,3	30	72,6
22	M1-06	D-02-06	1376,56	4	74,5	30	75,2
23	M1-03	D-03-01	476,76	4	70,6	30	71,1
24	M1-06	D-03-02	471,98	4	71,8	30	71,0
25	M1-03	D-03-03	78,24	4	74,9	10	74,9
26	M1-07	D-03-04	62,74	4	76,4	20	76,2
27	M1-07	D-04-01	92,86	8	74,8	10	74,3
28	M1-07	D-04-03	112,80	8	72,7	30	68,7
29	M1-02	D-04-04	683,74	8	72,4	30	72,3
30	M1-07	D-04-05	658,02	8	73,0	30	72,8
31	M1-02	D-04-06	153,59	8	70,6	20	70,8
32	M1-02	D-04-07	315,41	8	70,3	30	70,1
33	M1-02	D-04-08	308,05	8	70,8	30	70,9
34	M1-07	D-04-09	779,81	8	71,3	30	71,7
35	M1-02	D-04-10	405,82	10	70,9	20	70,9
36	M1-12	D-04-14	232,03	10	73,4	25	73,8
37	M2-12	D-04-17	157,09	10	70,9	20	70,7
38	M5-12	D-04-23	525,92	10+27	72,2	20	72,1
39	M5-11	D-04-24	481,58	10+27	71,8	10	71,4
40	M1-12	D-05-01	761,52	12	72,8	30	72,2
41	M1-01	D-05-02	757,32	12	70,0	30	68,0
42	M1-12	D-06-01	789,56	13	71,8	30	72,1
43	M1-01	D-06-02	789,24	13	70,5	30	69,0

Rd.br. mjerenja / Measurement no.	Oznaka mjerenja / Measurement code	Oznaka segmenta / Segment code	Duljina segmenta [m] / Segment length [m]	Dionica (ZET) / Section (ZET)	LAeq,seg [dB(A)]	T [s]	LAeq,T [dB(A)]
44	M1-12	D-06-03	534,43	13	72,0	30	72,4
45	M1-01	D-06-04	535,47	13	70,3	30	71,3
46	M3-01	D-07-01	747,24	16	71,5	30	71,2
47	M3-11	D-07-02	748,74	16	71,8	30	73,2
48	M3-10	D-08-01	137,63	18	71,4	20	72,3
49	M3-11	D-08-02	186,21	18	76,0	20	76,0
50	M3-10	D-09-01	359,48	20	71,4	20	71,6
51	M3-01	D-09-02	358,56	20	72,5	20	71,3
52	M3-09	D-10-01	829,97	22	72,2	30	72,6
53	M3-09	D-10-03	903,07	22	71,6	30	71,2
54	M3-10	D-10-04	1764,10	22	72,8	30	74,6
55	M3-08	D-10-05	955,21	24	71,0	20	70,6
56	M3-01	D-10-06	932,58	24	71,8	30	71,4
57	M3-01+M3-02	D-10-08	27,49	24	70,4	10	67,7
58	M3-08	D-10-09	316,19	29	71,2	30	71,5
59	M3-02	D-10-10	313,29	29	72,1	20	72,3
60	M3-08	D-10-11	263,78	29	71,0	30	71,6
61	M3-02	D-10-12	260,61	29	71,5	20	71,7
62	M5-12	D-11-01	332,17	28	71,5	10	72,6
63	M5-11	D-11-02	336,98	28	71,5	10	71,1
64	M5-12	D-12-05	378,27	31	72,2	20	71,7
65	M5-11	D-12-06	362,79	31	71,6	10	73,2
66	M3-02	D-13-01	776,71	32	71,8	30	71,0
67	M3-08	D-13-02	772,93	32	73,0	30	73,3
68	M2-12	D-14-03	817,24	33	73,0	20	74,1
69	M2-01	D-14-04	821,23	33	72,6	30	72,1
70	M2-11	D-15-05	524,38	35	73,7	30	74,0
71	M2-05	D-15-06	540,80	35	73,8	30	71,8
72	M2-11	D-15-11	378,26	35	73,0	20	73,2
73	M2-01	D-15-12	449,55	35	72,5	30	72,5
74	M2-05	D-16-05	489,83	38	73,6	30	75,2
75	M2-09	D-16-06	475,00	38	75,1	25	75,4
76	M1-11	D-17-01	334,19	40	77,8	30	81,2
77	M1-08	D-17-02	342,40	40	78,5	30	79,3
78	M1-11	D-17-03	135,00	40	74,4	20	74,4
79	M1-11	D-17-07	188,57	40	75,1	20	75,3
80	M1-08	D-17-08	188,57	40	72,9	20	73,4
81	M1-11	D-17-09	211,25	40	77,5	20	76,9
82	M1-08	D-17-10	211,25	40	77,2	20	78,0
83	M1-11	D-17-11	331,58	40	74,9	30	75,0
84	M1-08	D-17-12	331,57	40	72,2	30	71,7
85	M1-11	D-17-13	87,27	40	76,9	10	76,7
86	M1-11	D-17-15	322,73	40	73,8	30	73,0

Rd.br. mjerjenja / Measurement no.	Oznaka mjerjenja / Measurement code	Oznaka segmenta / Segment code	Duljina segmenta [m] / Segment length [m]	Dionica (ZET) / Section (ZET)	LAeq,seg [dB(A)]	T [s]	LAeq,T [dB(A)]
87	M1-08	D-17-16	322,99	40	72,4	30	72,0
88	M1-11	D-17-17	375,81	40	73,2	30	72,9
89	M1-08	D-17-18	375,09	40	72,5	30	72,2
90	M1-11	D-17-19	501,78	40	72,0	30	72,1
91	M1-08	D-17-20	504,37	40	72,5	30	72,3
92	M2-05+M2-06	D-18-01	595,47	41	72,7	30	72,8
93	M2-08+M2-09	D-18-02	604,95	41	73,9	30	74,4
94	M2-06	D-18-03	448,69	41	73,9	30	74,0
95	M2-08	D-18-04	451,58	41	74,1	30	72,1
96	M2-06	D-18-05	117,44	41	71,3	10	70,0
97	M2-08	D-18-06	141,61	41	73,7	20	73,9
98	M2-06	D-18-09	490,40	41	73,6	30	73,7
99	M2-08	D-18-10	492,08	41	74,6	30	75,3
100	M2-06	D-18-11	751,52	41	75,0	30	74,8
101	M2-08	D-18-12	751,10	41	74,1	30	73,7
102	M2-06	D-18-13	68,93	41	75,7	10	75,9
103	M2-06	D-18-17	135,69	41	74,6	10	74,7
104	M2-08	D-18-19	108,79	41	74,3	10	73,8
105	M2-06+M2-07	D-19-02	332,87	43	73,3	30	72,7
106	M2-07+M2-08	D-19-03	322,70	43	72,6	30	72,3
107	M2-07	D-19-06	459,18	43	73,2	30	73,8
108	M2-07	D-19-07	459,19	43	74,1	30	74,7
109	M2-07	D-19-10	332,50	43	73,6	30	73,2
110	M2-07	D-19-11	332,50	43	74,3	30	74,8
111	M2-07	D-19-14	168,45	43	73,3	30	73,9
112	M2-07	D-19-15	168,62	43	72,6	30	73,7
113	M1-10	D-20-01	641,64	46	74,0	30	74,9
114	M1-08+M1-09	D-20-02	647,74	46	74,4	30	73,1
115	M1-10	D-20-05	599,82	46	72,7	30	72,3
116	M1-09	D-20-06	638,59	46	73,4	30	73,6
117	M5-03+M5-04	D-21-01	2043,86	48	74,5	30	76,7
118	M5-01	D-21-02	1957,56	48	73,9	30	73,1
119	M5-03	D-22-03	698,87	50	73,0	30	72,7
120	M5-02	D-22-04	693,93	50	74,3	30	73,9
121	M5-03	D-22-05	158,50	50	75,7	20	76,5
122	M5-02	D-22-06	158,51	50	76,0	20	76,0
123	M5-03	D-22-09	272,58	50	77,1	30	77,8
124	M5-02	D-22-10	272,89	50	79,6	30	80,0
125	M5-03	D-22-11	67,32	50	72,9	10	73,6
126	M5-02	D-22-12	69,08	50	-	10	70,9
127	M5-09	D-23-03	936,11	53	72,3	30	71,9
128	M5-07	D-23-04	945,44	53	74,0	20	72,7
129	M5-08+M5-09	D-23-05	2360,98	53	71,4	30	71,8

Rd.br. mjerjenja / Measureme nt no.	Oznaka mjerjenja / Measurement code	Oznaka segmenta / Segment code	Duljina segmenta [m] / Segment length [m]	Dionica (ZET) / Section (ZET)	LAeq,seg [dB(A)]	T [s]	LAeq,T [dB(A)]
130	M5-07+M5-08	D-23-06	2414,20	53	72,4	30	72,7
131	M5-06	D-24-05	236,27	56	72,3	20	71,3
132	M5-07	D-24-06	236,40	56	73,6	20	73,7
133	M5-06	D-24-07	92,79	56	77,1	10	77,0
134	M5-06	D-24-09	140,59	56	72,7	10	72,3
135	M5-07	D-24-10	99,70	56	-	10	70,4
136	M5-09	D-25-01	77,59	57	71,1	10	71,4
137	M5-05+M5-06	D-25-02	131,70	57	69,4	10	70,6
138	M5-09	D-25-03	620,39	57	72,8	30	72,8
139	M5-06	D-25-04	581,73	57	71,7	20	71,4
140	M5-09	D-25-05	303,80	57	72,4	20	73,3
141	M5-06	D-25-06	126,26	57	71,6	10	71,5
142	M5-09	D-25-07	198,68	57	72,3	20	72,3
143	M5-06	D-25-08	522,00	57	71,8	20	72,0
144	M5-09	D-25-09	609,56	57	72,1	30	73,0
145	M5-06	D-25-10	450,22	57	71,8	20	73,1
146	M2-03	D-26-01	352,63	60	72,7	30	72,8
147	M2-03	D-26-02	354,05	60	72,5	30	72,4
148	M2-03	D-26-03	356,36	60	72,6	20	73,5
149	M2-03	D-26-04	354,37	60	72,9	30	73,3
150	M2-04	D-26-20	657,91	60	73,1	30	72,4
151	M2-02+M2-03	D-26-21	658,46	60	72,5	30	73,5
152	M2-04	D-26-07	513,07	60	73,5	30	73,3
153	M2-02	D-26-08	513,50	60	72,9	30	73,7
154	M2-04	D-26-13	373,91	60	71,4	30	71,6
155	M2-02	D-26-14	333,35	60	72,2	30	72,0
156	M2-04	D-27-01	272,46	63	71,6	30	72,6
157	M2-02	D-27-02	284,46	63	71,0	30	71,3
158	M3-07	D-28-01	117,74	65	72,2	15	72,1
159	M3-03	D-28-02	108,38	65	69,1	20	70,3
160	M3-07	D-28-03	495,61	65	74,6	30	74,1
161	M3-03	D-28-04	472,59	65	72,1	30	73,1
162	M2-04+M2-05	D-28-05	185,67	65	70,7	20	70,5
163	M2-01	D-28-06	190,45	65	71,5	20	71,4
164	M5-12	D-29-01	302,50	66	70,5	10	71,5
165	M5-11	D-29-02	295,73	66	72,3	20	72,8
166	M3-07	D-30-01	678,81	69	71,7	30	72,2
167	M3-03	D-30-02	669,67	69	73,1	30	74,2
168	M3-07	D-31-01	100,70	70	73,1	10	72,9
169	M3-03	D-31-02	101,16	70	73,3	10	73,3
170	M3-06+M3-07	D-31-03	930,11	70	73,6	30	73,7
171	M3-03+M3-04	D-31-04	928,30	70	72,8	30	72,2
172	M5-10	D-32-01	1001,21	72	72,0	30	71,1

Rd.br. mjerjenja / Measurement no.	Oznaka mjerjenja / Measurement code	Oznaka segmenta / Segment code	Duljina segmenta [m] / Segment length [m]	Dionica (ZET) / Section (ZET)	LAeq,seg [dB(A)]	T [s]	LAeq,T [dB(A)]
173	M5-05	D-32-02	1045,41	72	72,2	30	72,4
174	M5-09+M5-10	D-32-03	228,16	72	71,7	10	71,4
175	M5-05	D-32-04	186,47	72	72,0	10	71,9
176	M5-10	D-32-05	113,06	72	73,0	10	72,7
177	M5-05	D-32-06	69,64	72	74,8	10	75,1
178	M5-10	D-33-03	491,24	73	70,8	20	70,8
179	M5-05	D-33-04	461,94	73	72,0	10	72,3
180	M5-10	D-33-05	428,29	73	73,8	20	74,2
181	M5-05	D-33-06	472,38	73	71,1	20	71,0
182	M5-10	D-33-07	97,22	73	75,9	10	75,9
183	M2-10	D-34-03	404,95	74	72,6	30	72,4
184	M2-10	D-34-04	404,95	74	73,7	20	73,2
185	M2-10+M2-11	D-34-09	373,38	74	73,0	30	71,0
186	M2-09+M2-10	D-34-10	371,54	74	74,4	30	74,6
187	M2-09	D-34-12	67,62	74	74,5	10	74,7
188	M3-05+M3-06	D-35-01	2481,63	76	70,8	30	71,6
189	M3-04+M3-05	D-35-02	2531,95	76	74,1	30	74,0
190	M3-06	D-36-01	35,82	78	73,2	10	73,3
191	M3-04	D-36-02	38,10	78	73,0	10	72,8
192	M3-06	D-36-03	619,82	78	72,9	30	72,7
193	M3-04	D-36-04	616,92	78	74,0	30	75,8
194	M3-06	D-36-07	241,56	78	71,5	30	71,4
195	M3-04	D-36-08	241,89	78	75,9	30	75,8
196	M3-06	D-36-09	113,96	78	72,3	10	72,3
197	M3-04	D-36-10	113,96	78	76,6	10	76,6
198	M3-06	D-36-11	250,13	78	70,8	20	70,6
199	M3-04	D-36-12	250,63	78	75,4	30	75,3
200	M3-06	D-36-13	77,01	78	71,1	20	70,5
201	M3-04	D-36-14	77,00	78	74,8	10	74,7
202	M3-06	D-36-15	138,49	78	71,0	20	71,0
203	M3-04	D-36-16	138,84	78	74,3	20	74,1
204	M3-04	D-36-20	81,99	78	74,5	10	76,4
205	M1-02	K-02-01	141,14	6	71,7	20	71,6
206	M1-07	K-02-04	129,43	6	71,9	10	73,0

LAeq,T [dB(A)]
< 69,9
70,0 - 72,4
72,5 - 74,9
75,0 - 77,4
77,5 - 79,9
> 80,0

LAeq,seg - ekvivalentna razina buke za sve vremenske periode u kojima je brzina vožnje na nekom segmentu bila konstantna i iznosila 20 km/h [dB(A)] / equivalent noise level for all time periods in which tramway speed on particular segment was constant and equal to 20 km/h [dB(A)]

T - vremenski periodi u kojima su mjerene vibracije u tramvajskom vozilu (vidi poglavlje 4) [s] / time periods in which vibration in tramway were measured [s] (see Chapter 4)

LAeq,T - ekvivalentna razina buke u periodu T [dB(A)] / equivalent noise level in time period T [dB(A)]

Prilog 7.2. Rezultati mjerenja razina buke prilikom prolaska tramvaja / Results of noise
Annex 7.2. measurements for tramway pass-by test

Oznaka lokacije / Location code	Tip lokacije / Location type	Oznaka segmenta / Segment code	Mjerno mjesto / Measuring point	Radius R [m] / Radius [m]	Donji ustroj / Substructure	Sustav ugradnje / Fastening system	Period ekspl. [god] / Exploitation period [years]	Tip tramvaja / Tramway type	Garažni br. tramvaja / Tramway garage no.	Brzina prolaska [km/h] / Pass-by speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
L1	Raskrižje /Junction	K-04-04	MM1	18,0	CP	ZG-3/2	10	TMK 301	328	9,3	79,1	70,6
L1	Raskrižje /Junction	K-04-04	MM1	18,0	CP	ZG-3/2	10	TMK 301	342	18,7	79,6	74,4
L1	Raskrižje /Junction	K-04-01	MM2	18,0	CP	ZG-3/2	10	NT 2200	2252	18,9	66,4	62,8
L1	Raskrižje /Junction	K-04-01	MM2	18,0	CP	ZG-3/2	10	TMK 301	347	15,4	91,5	89,4
L1	Raskrižje /Junction	K-04-01	MM2	18,0	CP	ZG-3/2	10	NT 2200	2208	16,4	78,9	76,2
L1	Raskrižje /Junction	K-04-01	MM2	18,0	CP	ZG-3/2	10	NT 2200	2268	12,7	74,9	72,7
L1	Raskrižje /Junction	K-04-01	MM2	18,0	CP	ZG-3/2	10	TMK 301	323	13,3	81,3	77,9
L2	Raskrižje /Junction	K-03-03	MM1	18,0	CP	ZG-3/2	8	TMK 301	328	3,5	81,6	74,6
L2	Raskrižje /Junction	K-03-03	MM1	18,0	CP	ZG-3/2	8	TMK 301	342	14,5	81,6	74,7
L2	Raskrižje /Junction	K-03-06	MM2	25,0	CP	ZG-3/2	8	TMK 2100	2110	8,9	88,2	83,7
L3	Raskrižje /Junction	K-05-10	MM1	18,0	CP	PPŽ	1	TMK 301	337	9,3	84,1	73,1
L3	Raskrižje /Junction	K-05-10	MM1	18,0	CP	PPŽ	1	TMK 401	481	11,2	83,5	73,5
L4	Raskrižje /Junction	D-07-01	MM1	21,5	VT	TUC	23	NT 2200	2220	33,6	79,2	73,4
L4	Raskrižje /Junction	K-06-01	MM2	19,2	CP	DEPP	15	TMK 301	313	14,8	83,7	82,5
L4	Raskrižje /Junction	K-06-02	MM3	22,5	CP	DEPP	15	TMK 301	313	11,2	85,5	77,3
L5	Okretište / Turning loop	Z-05-01	MM2	18,0	CP,VT	DEPP	15	TMK 301	314	8,2	88,7	75,2
L6	Okretište / Turning loop	Z-01-02	MM1	18,0	VT	ZG-3/2	7	TMK 301	321	8,4	81,0	77,9
L6	Okretište / Turning loop	Z-01-02	MM1	18,0	VT	ZG-3/2	7	NT 2200	2258	6,0	73,7	68,9
L6	Okretište / Turning loop	Z-01-02	MM1	18,0	VT	ZG-3/2	7	TMK 301	323	7,0	75,6	72,1
L6	Okretište / Turning loop	Z-01-01	MM2	18,0	VT	ZG-3/2	7	TMK 301	321	8,4	76,2	69,7
L6	Okretište / Turning loop	Z-01-01	MM2	18,0	VT	ZG-3/2	7	NT 2200	2258	6,5	75,2	70,5
L6	Okretište / Turning loop	Z-01-01	MM2	18,0	VT	ZG-3/2	7	TMK 301	323	12,6	74,6	69,7
L7	Okretište / Turning loop	Z-02-03	MM1	18,0	VT	DEPP	18	TMK 2100	2109	10,8	70,0	67,6
L7	Okretište / Turning loop	Z-02-03	MM1	18,0	VT	DEPP	18	NT 2200	2282	9,0	70,0	67,8
L8	Okretište / Turning loop	Z-04-01	MM1	37,0	CP	ZG-2	11	NT 2200	2269	8,2	90,5	85,6
L8	Okretište / Turning loop	Z-04-01	MM1	37,0	CP	ZG-2	11	TMK 401	454	5,0	79,1	74,3
L8	Okretište / Turning loop	Z-04-01	MM2	18,0	CP	ZG-2	11	NT 2200	2269	8,1	86,4	72,9
L8	Okretište / Turning loop	Z-04-01	MM2	18,0	CP	ZG-2	11	TMK 401	454	8,1	78,6	68,2
L9	Okretište / Turning loop	Z-19-01	MM1	50,0	VT	ZG-3/2	7	TMK 401	453	7,8	80,1	68,0
L9	Okretište / Turning loop	Z-19-01	MM1	50,0	VT	ZG-3/2	7	TMK 401	484	4,6	86,6	70,3
L9	Okretište / Turning loop	Z-19-01	MM2	18,0	VT	ZG-3/2	7	TMK 401	453	8,1	83,3	78,3
L9	Okretište / Turning loop	Z-19-01	MM2	18,0	VT	ZG-3/2	7	TMK 401	484	8,1	81,7	78,7
L10	Okretište / Turning loop	Z-18-01	MM1	50,0	VT	ZG-3/2	8	NT 2200	22131	12,8	83,9	79,7
L10	Okretište / Turning loop	Z-18-01	MM1	50,0	VT	ZG-3/2	8	NT 2200	22101	12,8	84,8	81,1
L10	Okretište / Turning loop	Z-18-01	MM1	50,0	VT	ZG-3/2	8	NT 2200	2235	6,5	77,4	72,3
L10	Okretište / Turning loop	Z-18-01	MM1	50,0	VT	ZG-3/2	8	NT 2200	2231	8,2	76,3	74,5
L10	Okretište / Turning loop	Z-18-04	MM2	21,0	VT	ZG-3/2	8	NT 2200	2225	7,7	70,1	68,7
L11	Raskrižje /Junction	D-34-02	MM1	54,0	VT	DEPP	11	TMK 301	319	17,4	74,2	70,1
L11	Raskrižje /Junction	D-34-02	MM1	54,0	VT	DEPP	11	NT 2200	22105	13,4	71,0	69,0
L11	Raskrižje /Junction	D-34-02	MM1	54,0	VT	DEPP	11	NT 2200	2215	17,7	77,3	74,4
L11	Raskrižje /Junction	D-34-02	MM1	54,0	VT	DEPP	11	NT 2200	2272	23,0	80,9	77,0
L11	Raskrižje /Junction	D-34-01	MM2	18,0	VT	DEPP	11	TMK 2100	2110	16,2	93,5	83,0
L11	Raskrižje /Junction	D-34-01	MM2	18,0	VT	DEPP	11	NT 2200	22113	34,0	79,7	77,4
L11	Raskrižje /Junction	D-34-01	MM2	18,0	VT	DEPP	11	TMK 301	319	33,0	73,4	71,9
L11	Raskrižje /Junction	Z-10-02	MM3	18,0	CP	DEPP	11	TMK 401	405	10,1	76,4	67,7
L11	Raskrižje /Junction	Z-10-02	MM3	18,0	CP	DEPP	11	TMK 2100	2110	5,5	74,9	71,0

Oznaka lokacije / Location code	Tip lokacije / Location type	Oznaka segmenta / Segment code	Mjerno mjesto / Measuring point	Radius R [m] / Radius [m]	Donji ustroj / Substructure	Sustav ugradnje / Fastening system	Period ekspl. [god] / Exploitation period [years]	Tip tramvaja / Tramway type	Garažni br. tramvaja / Tramway garage no.	Brzina prolaska [km/h] / Pass-by speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
L11	Raskrižje /Junction	Z-10-02	MM4	20,0	CP	DEPP	11	TMK 2100	2107	13,5	96,0	85,0
L11	Raskrižje /Junction	Z-10-02	MM4	20,0	CP	DEPP	11	TMK 400	405	25,5	93,8	89,2
L11	Raskrižje /Junction	Z-10-02	MM4	20,0	CP	DEPP	11	TMK 2100	2110	16,1	87,7	81,8
L11	Raskrižje /Junction	Z-10-03	MM5	18,0	CP	DEPP	11	TMK 301	316	10,5	96,7	88,9
L11	Raskrižje /Junction	Z-10-04	MM6	20,0	CP	DEPP	11	TMK 401	478	17,9	93,5	86,2
L11	Raskrižje /Junction	Z-10-04	MM6	20,0	CP	DEPP	11	NT 2200	2257	22,5	79,6	75,8
L11	Raskrižje /Junction	Z-10-04	MM6	20,0	CP	DEPP	11	TMK 2100	2107	32,8	81,9	76,0
L11	Raskrižje /Junction	Z-10-04	MM6	20,0	CP	DEPP	11	TMK 301	316	29,2	85,0	80,5
L12	Okretište / Turning loop	Z-13-02	MM1	19,7	VT	DEPP	18	NT 2200	2285	12,8	64,7	58,4
L12	Okretište / Turning loop	Z-13-02	MM1	19,7	VT	DEPP	18	TMK 401	467	9,0	92,9	81,4
L12	Okretište / Turning loop	Z-13-01	MM2	20,0	VT	DEPP	18	NT 2200	2271	11,5	74,0	70,2
L12	Okretište / Turning loop	Z-13-01	MM2	20,0	VT	DEPP	18	TMK 401	443	8,9	90,1	80,9
L12	Okretište / Turning loop	Z-13-01	MM2	20,0	VT	DEPP	18	NT 2200	22137	9,8	81,6	72,2
L13	Okretište / Turning loop	Z-12-07	MM1	25,0	CP,VT	DEPP	18	TMK 2100	2109	15,4	72,4	66,2
L13	Okretište / Turning loop	Z-12-07	MM1	25,0	CP,VT	DEPP	18	NT 2200	2214	9,4	68,9	62,7
L13	Okretište / Turning loop	Z-12-02	MM2	18,5	CP,VT	DEPP	9	NT 2200	2254	4,6	83,9	71,3
L13	Okretište / Turning loop	Z-12-02	MM2	18,5	CP,VT	DEPP	9	TMK 2100	2109	12,0	73,7	69,7
L14	Raskrižje /Junction	K-18-03	MM1	25,0	CP	DEPP	4	NT 2200	22109	17,7	75,2	72,6
L14	Raskrižje /Junction	K-18-03	MM1	25,0	CP	DEPP	4	TMK 301	314	11,6	72,2	69,8
L14	Raskrižje /Junction	K-18-03	MM1	25,0	CP	DEPP	4	NT 2200	2243	12,1	72,6	70,5
L14	Raskrižje /Junction	K-18-03	MM1	25,0	CP	DEPP	4	TMK 301	304	7,6	84,7	73,2
L14	Raskrižje /Junction	K-18-03	MM1	25,0	CP	DEPP	4	TMK 401	433	12,3	80,9	73,2
L14	Raskrižje /Junction	K-18-03	MM1	25,0	CP	DEPP	4	TMK 401	489	14,0	87,7	79,5
L14	Raskrižje /Junction	K-18-05	MM2	25,0	CP	DEPP	4	NT 2200	2235	14,4	69,8	65,9
L14	Raskrižje /Junction	K-18-05	MM2	25,0	CP	DEPP	4	NT 2200	22125	11,5	68,3	64,8
L15	Raskrižje /Junction	K-02-01	MM1	267,6	CP	DEPP	10	NT 2200	2294	11,8	80,0	73,8
L15	Raskrižje /Junction	K-02-01	MM1	267,6	CP	DEPP	10	NT 2200	2210	33,3	79,0	75,7
L15	Raskrižje /Junction	K-02-02	MM3	132,1	CP	DEPP	10	TMK 2100	2105	15,9	77,0	71,8
L15	Raskrižje /Junction	K-02-02	MM3	132,1	CP	DEPP	10	NT 2200	22126	16,3	78,5	72,4
L16	Raskrižje /Junction	K-13-09	MM2	23,9	CP	ZG-3/2	9	NT 2200	2246	21,3	79,9	75,7
L16	Raskrižje /Junction	K-13-09	MM2	23,9	CP	ZG-3/2	9	NT 2200	2224	28,1	79,0	75,6
L17	Okretište / Turning loop	Z-16-01	MM1	25,0	VT	ZG-3/1	15	TMK 301	301	12,3	80,5	73,5
L17	Okretište / Turning loop	Z-16-01	MM2	20,0	VT	ZG-3/1	15	TMK 301	301	7,6	68,5	63,9
L18	Okretište / Turning loop	Z-17-03	MM1	25,0	VT	ZG-3/1	16	NT 2200	2246	14,4	70,8	69,6
L18	Okretište / Turning loop	Z-17-03	MM1	25,0	VT	ZG-3/1	16	TMK 301	328	10,8	74,3	71,6
L18	Okretište / Turning loop	Z-17-03	MM2	61,8	VT	ZG-3/1	16	NT 2200	2246	12,8	70,5	67,3
L18	Okretište / Turning loop	Z-17-03	MM2	61,8	VT	ZG-3/1	16	TMK 301	328	8,1	75,1	70,1
L19	Okretište / Turning loop	Z-07-01	MM1	21,0	VT	TUC	1	TMK 401	421	11,6	92,2	86,1
L19	Okretište / Turning loop	Z-07-01	MM2	21,0	VT	TUC	1	TMK 401	421	25,2	90,8	85,7
L20	Okretište / Turning loop	Z-08-01	MM1	21,0	VT	TUC	14	TMK 401	444	9,2	80,3	74,1
L20	Okretište / Turning loop	Z-08-01	MM1	21,0	VT	TUC	14	NT 2200	22109	17,6	68,3	62,6
L20	Okretište / Turning loop	Z-08-01	MM1	21,0	VT	TUC	14	NT 2200	2267	21,4	67,1	62,7
L20	Okretište / Turning loop	Z-08-01	MM1	21,0	VT	TUC	14	NT 2200	2241	21,0	66,2	65,0

Oznaka lokacije / Location code	Tip lokacije / Location type	Oznaka segmenta / Segment code	Mjerno mjesto / Measuring point	Radius R [m] / Radius [m]	Donji ustroj / Substructure	Sustav ugradnje / Fastening system	Period ekspl. [god] / Exploitation period [years]	Tip tramvaja / Tramway type	Garažni br. tramvaja / Tramway garage no.	Brzina prolaska [km/h] / Pass-by speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
L20	Okretište / Turning loop	Z-08-01	MM1	21,0	VT	TUC	14	NT 2200	2201	28,0	66,0	63,1
L20	Okretište / Turning loop	D-36-20	MM2	41,2	VT	TUC	22	NT 2200	2241	9,7	82,8	72,9
L21	Okretište / Turning loop	Z-14-01	MM1	25,0	VT	TUC	12	NT 2200	2252	16,5	65,9	63,8
L21	Okretište / Turning loop	Z-14-01	MM1	25,0	VT	TUC	12	TMK 301	346	9,2	79,0	71,2
L21	Okretište / Turning loop	Z-14-01	MM1	25,0	VT	TUC	12	TMK 301	305	10,3	80,0	69,9
L21	Okretište / Turning loop	Z-14-02	MM2	21,0	VT	TUC	12	NT 2200	2252	22,6	81,9	77,8
L21	Okretište / Turning loop	Z-14-02	MM2	21,0	VT	TUC	12	TMK 301	346	15,1	95,7	88,0
L21	Okretište / Turning loop	Z-14-02	MM2	21,0	VT	TUC	12	TMK 301	305	19,3	93,3	85,4
L22	Raskrižje /Junction	D-33-02	MM1	17,5	CP	ZG-3/2	13	NT 2200	22130	33,6	83,8	78,3
L22	Raskrižje /Junction	D-33-02	MM1	17,5	CP	ZG-3/2	13	TMK 401	490	12,7	102,7	92,5
L22	Raskrižje /Junction	D-33-02	MM1	17,5	CP	ZG-3/2	13	NT 2200	2269	6,9	88,2	78,8
L22	Raskrižje /Junction	K-17-04	MM2	17,5	CP	ZG-3/2	13	NT 2200	22130	33,6	86,9	77,2
L22	Raskrižje /Junction	K-17-04	MM2	17,5	CP	ZG-3/2	13	TMK 401	490	12,7	101,2	91,2
L22	Raskrižje /Junction	K-17-04	MM2	17,5	CP	ZG-3/2	13	NT 2200	2269	6,9	79,5	69,9
L23	Raskrižje /Junction	K-15-04	MM1	25,0	CP	DEPP	20	TMK 301	319	7,2	72,8	68,5
L24	Okretište / Turning loop	D-10-13	MM1	25,0	CP	DEPP	7	NT 2200	2241	13,7	71,3	69,7
L24	Okretište / Turning loop	D-10-13	MM1	25,0	CP	DEPP	7	NT 2200	2232	14,4	73,5	71,8
L24	Okretište / Turning loop	D-10-13	MM1	25,0	CP	DEPP	7	NT 2200	2221	12,5	72,3	70,3
L24	Okretište / Turning loop	D-10-13	MM1	25,0	CP	DEPP	7	TMK 201	229	7,7	73,3	69,7
L24	Okretište / Turning loop	Z-06-03	MM2	17,2	VT	ZG-3/2	17	NT 2200	2238	5,5	85,4	66,6
L24	Okretište / Turning loop	Z-06-03	MM2	17,2	VT	ZG-3/2	17	NT 2200	2221	8,9	62,8	59,7
L24	Okretište / Turning loop	Z-06-03	MM2	17,2	VT	ZG-3/2	17	NT 2200	22103	10,5	71,4	66,1
L24	Okretište / Turning loop	Z-06-03	MM2	17,2	VT	ZG-3/2	17	TMK 201	229	8,0	68,0	65,1
L25	Raskrižje /Junction	K-07-06	MM1	18,0	CP	DEPP	0	TMK 301	332	10,3	88,0	77,5
L25	Raskrižje /Junction	K-07-03	MM2	25,0	CP	DEPP	0	NT 2200	22136	15,8	68,4	66,6
L25	Raskrižje /Junction	K-07-03	MM2	25,0	CP	DEPP	0	NT 2200	22106	10,8	66,5	75,6
L25	Raskrižje /Junction	K-07-03	MM2	25,0	CP	DEPP	0	TMK 201	223	14,7	80,4	74,1
L25	Raskrižje /Junction	K-07-01	MM3	600,0	CP	DEPP	0	TMK 401	453	17,7	86,3	82,7
L25	Raskrižje /Junction	K-07-01	MM3	600,0	CP	DEPP	0	NT 2200	2262	21,3	81,3	78,5
L26	Raskrižje /Junction	D-11-02	MM1	18,0	CP	PE	2	NT 2200	22119	11,1	78,7	72,9
L26	Raskrižje /Junction	D-11-02	MM1	18,0	CP	PE	2	TMK 301	320	10,7	75,8	71,5
L26	Raskrižje /Junction	D-11-02	MM1	18,0	CP	PE	2	NT 2200	22132	7,6	75,2	71,2
L26	Raskrižje /Junction	D-11-02	MM1	18,0	CP	PE	2	NT 2200	2207	8,7	76,4	72,2
L26	Raskrižje /Junction	D-11-02	MM1	18,0	CP	PE	2	NT 2200	2224	10,8	76,9	73,0
L26	Raskrižje /Junction	D-11-02	MM2	L	CP	PE	2	TMK 301	320	10,7	73,6	70,0
L26	Raskrižje /Junction	D-11-02	MM2	L	CP	PE	2	NT 2200	22132	7,6	75,0	71,1
L26	Raskrižje /Junction	D-11-02	MM2	L	CP	PE	2	NT 2200	2207	8,7	74,3	71,4
L26	Raskrižje /Junction	D-11-02	MM2	L	CP	PE	2	NT 2200	2224	10,8	75,8	72,1
L27	Raskrižje /Junction	D-13-01	MM1	24,1	CP,VT	DEPP	20	NT 2200	2271	15,6	77,3	73,8
L27	Raskrižje /Junction	D-13-01	MM1	24,1	CP,VT	DEPP	20	NT 2200	2221	7,5	81,2	71,6
L27	Raskrižje /Junction	D-12-01	MM2	100,0	CP	ZG-3/2	24	NT 2200	2285	23,5	78,7	76,0
L27	Raskrižje /Junction	D-12-01	MM2	100,0	CP	ZG-3/2	24	NT 2200	22112	14,8	80,2	72,5
L27	Raskrižje /Junction	D-12-01	MM2	100,0	CP	ZG-3/2	24	NT 2200	2226	19,2	76,9	74,4

Oznaka lokacije / Location code	Tip lokacije / Location type	Oznaka segmenta / Segment code	Mjerno mjesto / Measuring point	Radius R [m] / Radius [m]	Donji ustroj / Substructure	Sustav ugradnje / Fastening system	Period ekspl. [god] / Exploitation period [years]	Tip tramvaja / Tramway type	Garažni br. tramvaja / Tramway garage no.	Brzina prolaska [km/h] / Pass-by speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
L27	Raskrižje /Junction	D-12-01	MM2	100,0	CP	ZG-3/2	24	NT 2200	22119	11,6	75,5	71,1
L27	Raskrižje /Junction	D-12-01	MM2	100,0	CP	ZG-3/2	24	NT 2200	22126	16,9	78,3	74,0
L27	Raskrižje /Junction	D-12-01	MM2	100,0	CP	ZG-3/2	24	TMK 301	315	14,8	77,6	70,8
L28	Raskrižje /Junction	K-16-03	MM1	18,0	CP	ZG-3/2 - IK.	12	NT 2200	2277	11,4	83,8	77,3
L28	Raskrižje /Junction	K-16-03	MM1	18,0	CP	ZG-3/2 - IK.	12	NT 2200	2237	11,4	87,4	78,7
L28	Raskrižje /Junction	K-16-03	MM1	18,0	CP	ZG-3/2 - IK.	12	NT 2200	2256	7,5	83,1	74,4
L28	Raskrižje /Junction	K-16-03	MM1	18,0	CP	ZG-3/2 - IK.	12	NT 2200	2222	9,1	87,3	82,3
L28	Raskrižje /Junction	K-16-03	MM2	50,0	CP	ZG-3/2 - IK.	12	NT 2200	2277	11,4	75,3	70,4
L28	Raskrižje /Junction	K-16-03	MM2	50,0	CP	ZG-3/2 - IK.	12	NT 2200	2237	11,4	75,9	70,8
L28	Raskrižje /Junction	K-16-03	MM2	50,0	CP	ZG-3/2 - IK.	12	NT 2200	2256	7,5	87,5	74,6
L28	Raskrižje /Junction	K-16-03	MM2	50,0	CP	ZG-3/2 - IK.	12	NT 2200	2222	9,1	78,3	71,7
L28	Raskrižje /Junction	K-16-03	MM3	50,0	CP	ZG-3/2 - IK.	12	NT 2200	2270	5,2	82,7	73,5
L28	Raskrižje /Junction	K-16-03	MM3	50,0	CP	ZG-3/2 - IK.	12	NT 2200	2269	10,4	79,3	72,8
L28	Raskrižje /Junction	K-16-03	MM3	50,0	CP	ZG-3/2 - IK.	12	NT 2200	22109	9,1	84,8	72,1
L28	Raskrižje /Junction	K-16-01	MM4	25,0	CP	ZG-3/2 - IK.	12	NT 2200	22110	15,4	84,2	78,7
L28	Raskrižje /Junction	K-16-01	MM4	25,0	CP	ZG-3/2 - IK.	12	TMK 301	308	8,1	80,0	71,4
L29	Raskrižje /Junction	K-10-01	MM1	18,0	CP	DEPP	5	TMK 401	432	10,7	86,8	78,9
L29	Raskrižje /Junction	K-10-01	MM1	18,0	CP	DEPP	5	TMK 301	340	13,6	71,4	69,4
L29	Raskrižje /Junction	K-10-01	MM1	18,0	CP	DEPP	5	NT 2200	2230	16,2	78,5	70,9
L29	Raskrižje /Junction	D-15-13	MM2	18,0	VT	DEPP	12	TMK 301	303	13,3	73,1	68,2
L29	Raskrižje /Junction	D-15-13	MM2	18,0	VT	DEPP	12	NT 2200	2252	8,2	74,2	69,6
L29	Raskrižje /Junction	D-15-13	MM2	18,0	VT	DEPP	12	NT 2200	2239	7,8	71,1	67,9
L30	Raskrižje /Junction	K-11-06	MM1	18,0	CP	DEPP	4	NT 2200	2203	13,7	79,7	74,4
L30	Raskrižje /Junction	K-11-03	MM2	18,0	CP	DEPP	4	TMK 301	328	11,6	73,2	64,5
L30	Raskrižje /Junction	K-11-03	MM2	18,0	CP	DEPP	4	NT 2200	2202	15,2	67,3	62,7
L30	Raskrižje /Junction	K-11-03	MM2	18,0	CP	DEPP	4	NT 2200	2214	12,1	71,3	65,7
L30	Raskrižje /Junction	K-11-03	MM2	18,0	CP	DEPP	4	TMK 401	432	12,0	80,4	69,9
L31	Raskrižje /Junction	K-12-04	MM1	19,9	CP	DEPP	0	NT 2200	2213	13,2	76,7	71,6
L31	Raskrižje /Junction	K-12-04	MM1	19,9	CP	DEPP	0	NT 2200	2212	17,2	86,1	77,2
L32	Raskrižje /Junction	K-12-01	MM1	25,0	CP	ZG-3/2	8	TMK 301	315	5,6	82,2	75,7
L33	Raskrižje /Junction	D-27-02	MM1	23,0	CP	DEPP	20	TMK 301	327	13,0	75,2	71,9
L33	Raskrižje /Junction	D-27-02	MM1	23,0	CP	DEPP	20	TMK 301	342	14,5	77,9	74,0
L33	Raskrižje /Junction	D-27-02	MM1	23,0	CP	DEPP	20	NT 2200	2203	14,0	73,7	72,2
L33	Raskrižje /Junction	D-27-01	MM2	20,0	CP	DEPP	20	TMK 301	337	12,3	82,5	73,7
L33	Raskrižje /Junction	D-27-01	MM2	20,0	CP	DEPP	20	NT 2200	2203	7,3	74,6	69,2
L33	Raskrižje /Junction	Z-09-05	MM3	18,0	CP	DEPP	20	NT 2200	22109	6,6	72,9	67,5
L33	Raskrižje /Junction	Z-09-05	MM3	18,0	CP	DEPP	20	NT 2200	22118	11,1	91,0	83,3
L33	Raskrižje /Junction	Z-09-05	MM3	18,0	CP	DEPP	20	NT 2200	22302	14,4	83,1	77,3
L33	Raskrižje /Junction	Z-09-05	MM3	18,0	CP	DEPP	20	NT 2200	2272	11,0	87,0	77,9
L33	Raskrižje /Junction	Z-09-05	MM3	18,0	CP	DEPP	20	NT 2200	2290	8,5	83,9	76,6
L33	Raskrižje /Junction	D-26-15	MM4	18,0	VT	DEPP	11	NT 2200	22118	11,1	87,1	75,8
L33	Raskrižje /Junction	D-26-15	MM4	18,0	VT	DEPP	11	NT 2200	22302	14,4	84,2	72,0
L33	Raskrižje /Junction	D-26-15	MM4	18,0	VT	DEPP	11	NT 2200	2290	8,5	73,9	70,0

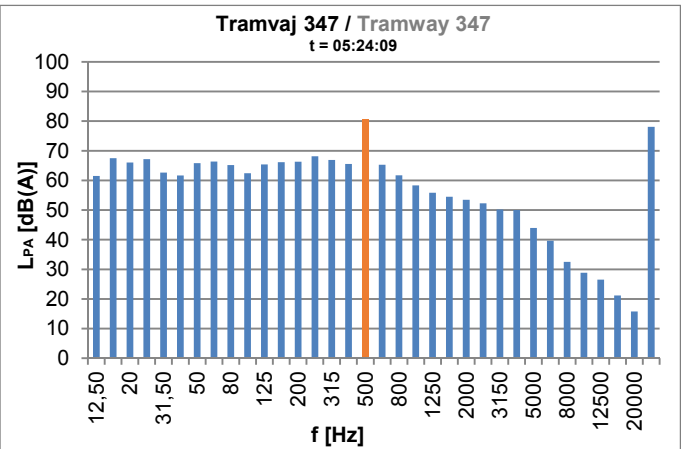
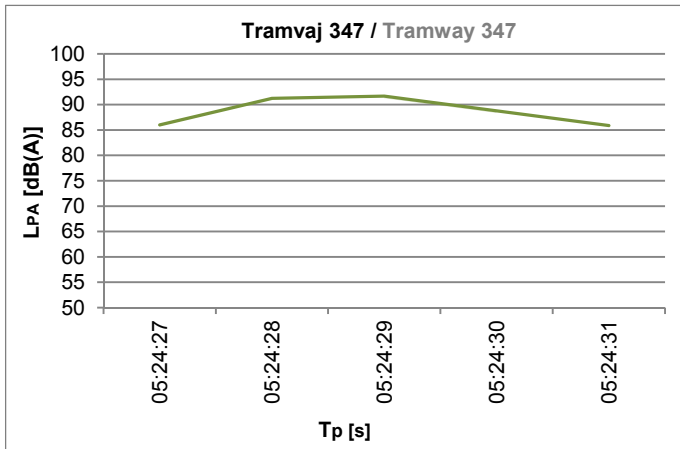
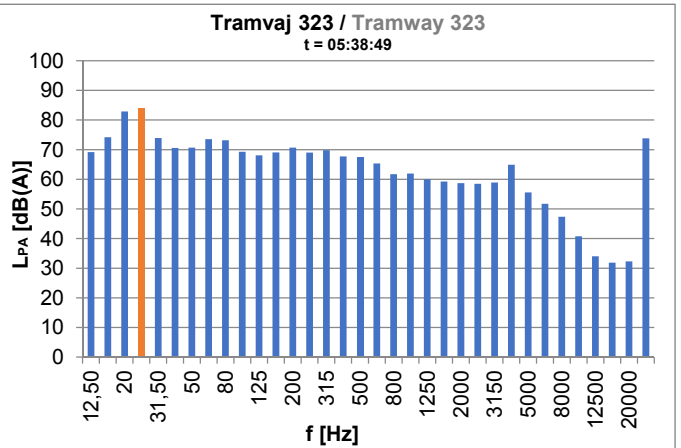
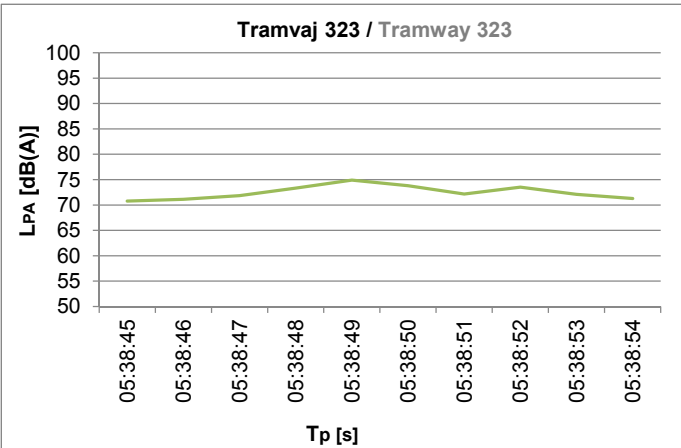
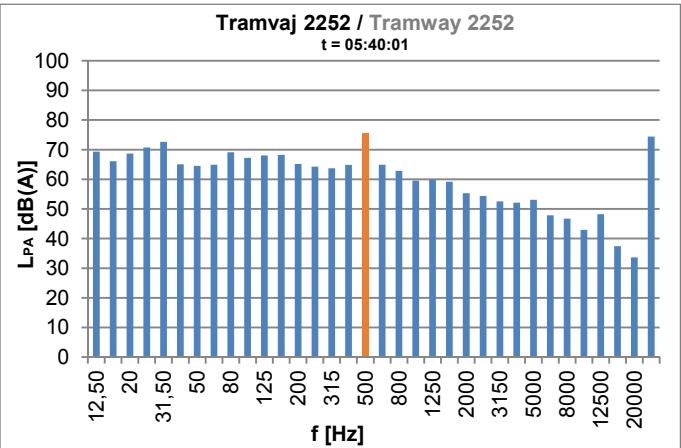
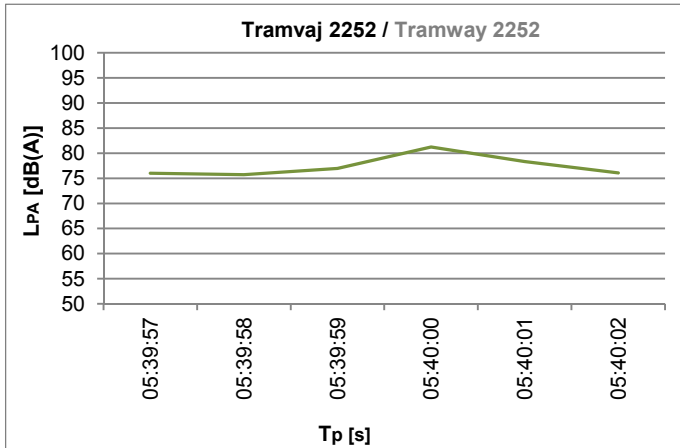
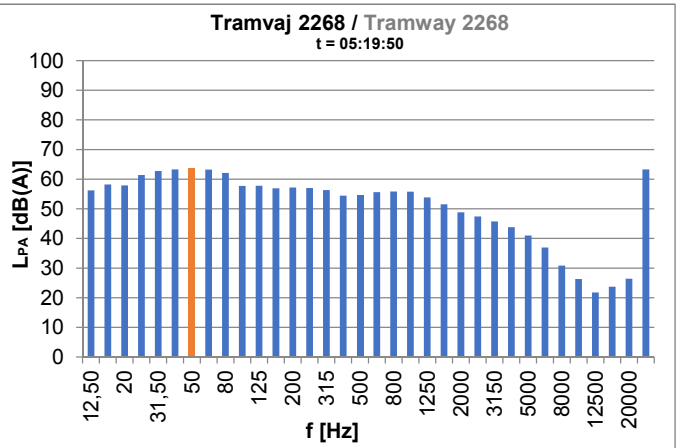
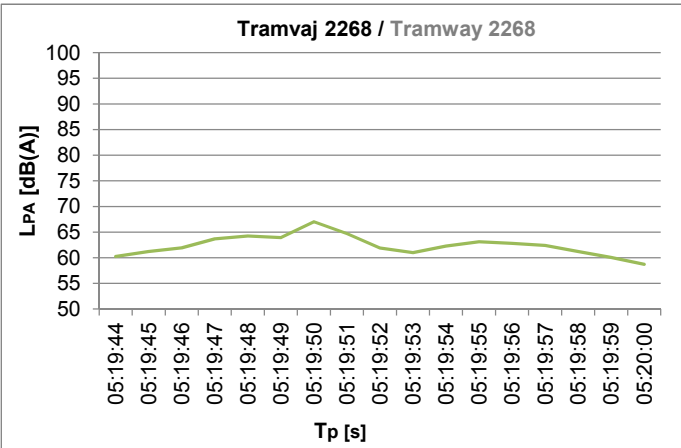
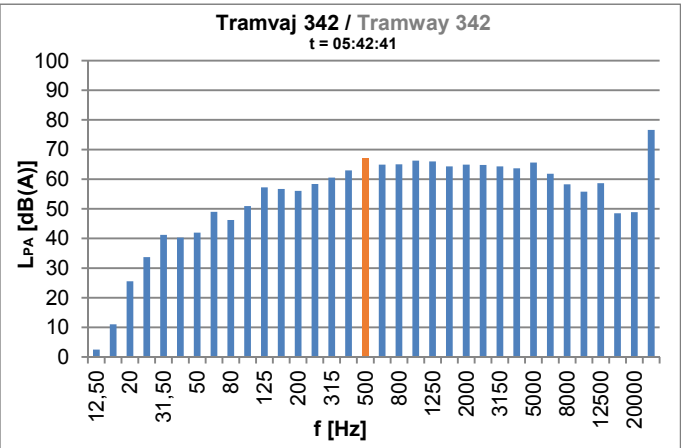
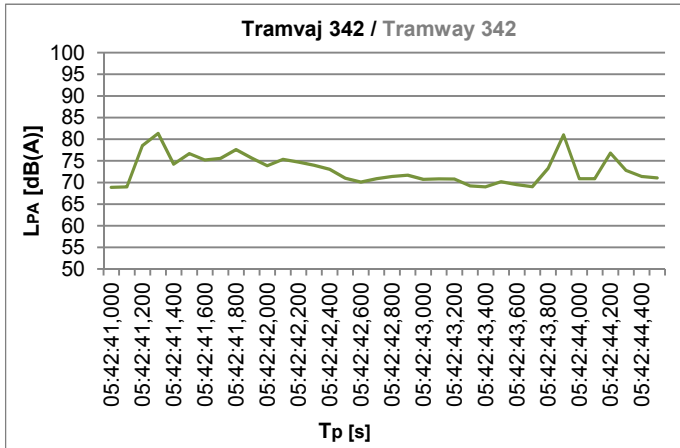
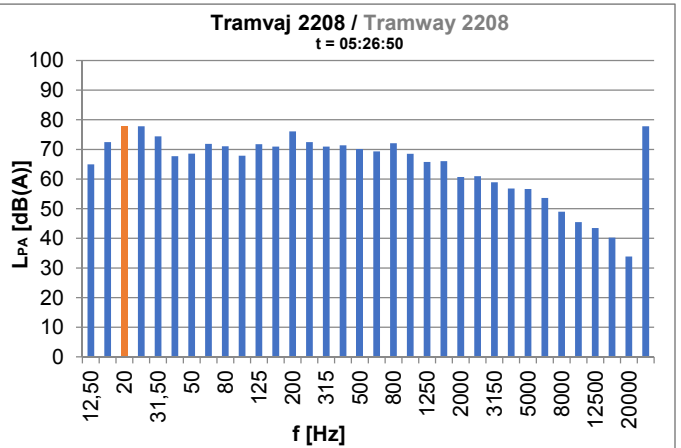
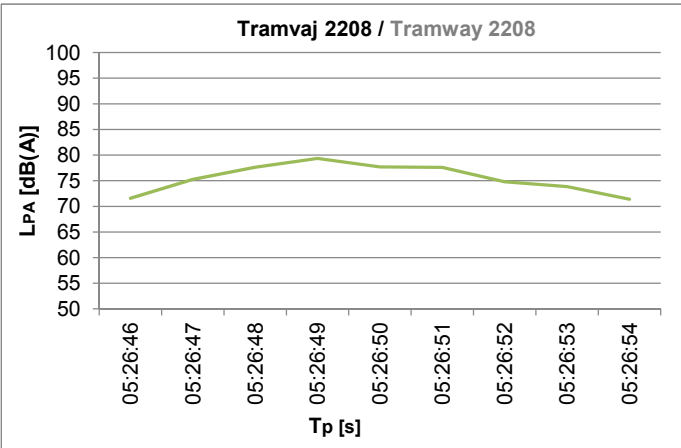
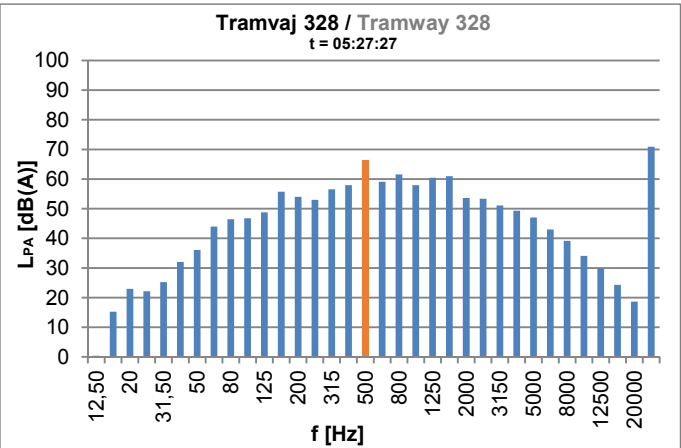
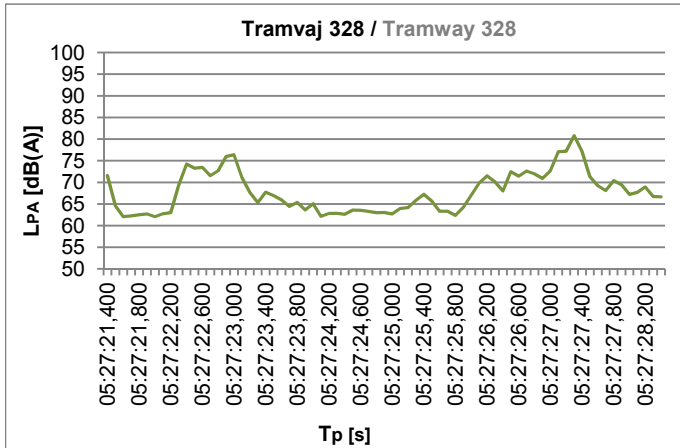
Oznaka lokacije / Location code	Tip lokacije / Location type	Oznaka segmenta / Segment code	Mjerno mjesto / Measuring point	Radius R [m] / Radius [m]	Donji ustroj / Substructure	Sustav ugradnje / Fastening system	Period ekspl. [god] / Exploitation period [years]	Tip tramvaja / Tramway type	Garažni br. tramvaja / Tramway garage no.	Brzina prolaska [km/h] / Pass-by speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
L33	Raskrižje /Junction	D-26-13	MM5	18,0	VT	TUC	27	NT 2200	22125	11,4	75,2	71,7
L33	Raskrižje /Junction	D-26-13	MM5	18,0	VT	TUC	27	TMK 301	313	8,1	85,0	72,6
L33	Raskrižje /Junction	D-26-13	MM5	18,0	VT	TUC	27	TMK 401	405	8,4	82,9	74,0
L33	Raskrižje /Junction	D-26-13	MM5	18,0	VT	TUC	27	NT 2200	22118	12,5	79,3	72,6
L33	Raskrižje /Junction	Z-09-11	MM6	18,0	CP	DEPP	9	NT 2200	2295	13,7	60,9	57,3
L33	Raskrižje /Junction	Z-09-11	MM6	18,0	CP	DEPP	9	NT 2200	22125	7,3	59,7	56,5
L33	Raskrižje /Junction	Z-09-11	MM6	18,0	CP	DEPP	9	TMK 301	313	10,5	68,1	58,5
L33	Raskrižje /Junction	Z-09-11	MM6	18,0	CP	DEPP	9	TMK 401	405	10,4	77,5	65,1
L33	Raskrižje /Junction	Z-09-11	MM6	18,0	CP	DEPP	9	NT 2200	22118	12,4	60,4	58,6
L33	Raskrižje /Junction	D-29-01	MM7	18,0	CP	DEPP	20	NT 2200	2226	14,2	76,2	72,8
L33	Raskrižje /Junction	D-29-01	MM7	18,0	CP	DEPP	20	TMK 301	318	12,8	73,2	71,1
L33	Raskrižje /Junction	D-29-01	MM7	18,0	CP	DEPP	20	NT 2200	2234	15,8	75,6	73,5
L33	Raskrižje /Junction	D-29-02	MM8	18,0	CP	DEPP	20	TMK 301	318	15,5	64,9	60,6
L33	Raskrižje /Junction	D-29-02	MM8	18,0	CP	DEPP	20	NT 2200	2202	12,1	62,3	60,1
L33	Raskrižje /Junction	D-29-02	MM8	18,0	CP	DEPP	20	TMK 301	314	13,3	64,0	59,9
L33	Raskrižje /Junction	D-29-02	MM8	18,0	CP	DEPP	20	NT 2200	22112	13,6	64,0	61,6

LAeq [dB(A)]
< 59,9
60,0 - 69,9
70,0 - 79,9
80,0 - 89,9
> 90,0

L_{AFmax} - maksimalna razina buke [dB(A)] / the maximum noise level [dB(A)]

T_p - duljina mjerenja [s] / measurement time period [s]

L_{Aeq} = L_{pAeq,Tp} - ekvivalentna razina buke / equivalent noise level [dB(A)]



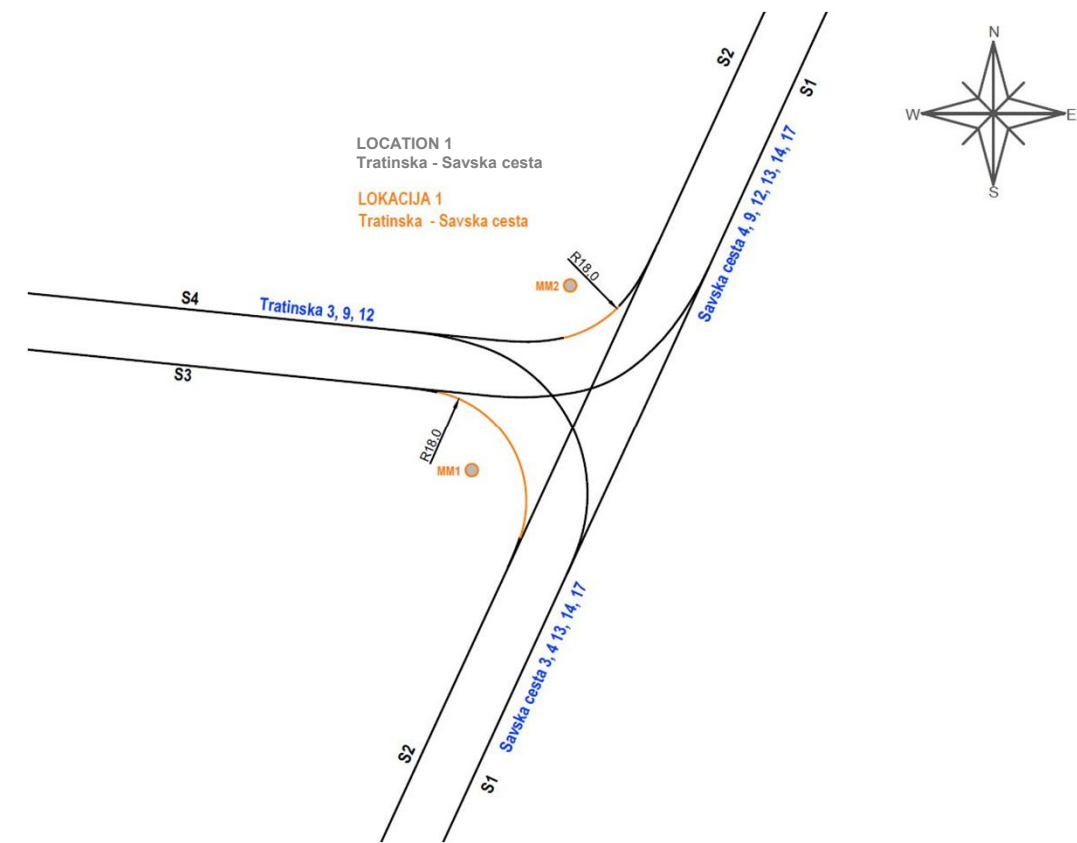
Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L1: Raskrižje Tratinska - Savska cesta

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L1: Junction Tratinska - Savska cesta



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
1	Raskrižje / Junction	Tratinska - Savska cesta	30.11.2018	05:18:05	-1,3	84	1029	2,6	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S3 - S2	328	3	TMK 301	18,11	7,0	58,4	9,3	79,1	70,6
2	S3 - S2	342	3	TMK 301	18,11	3,5	58,4	18,7	79,6	74,4
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure			Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]	
18,0			CP			ZG-3/2			10	

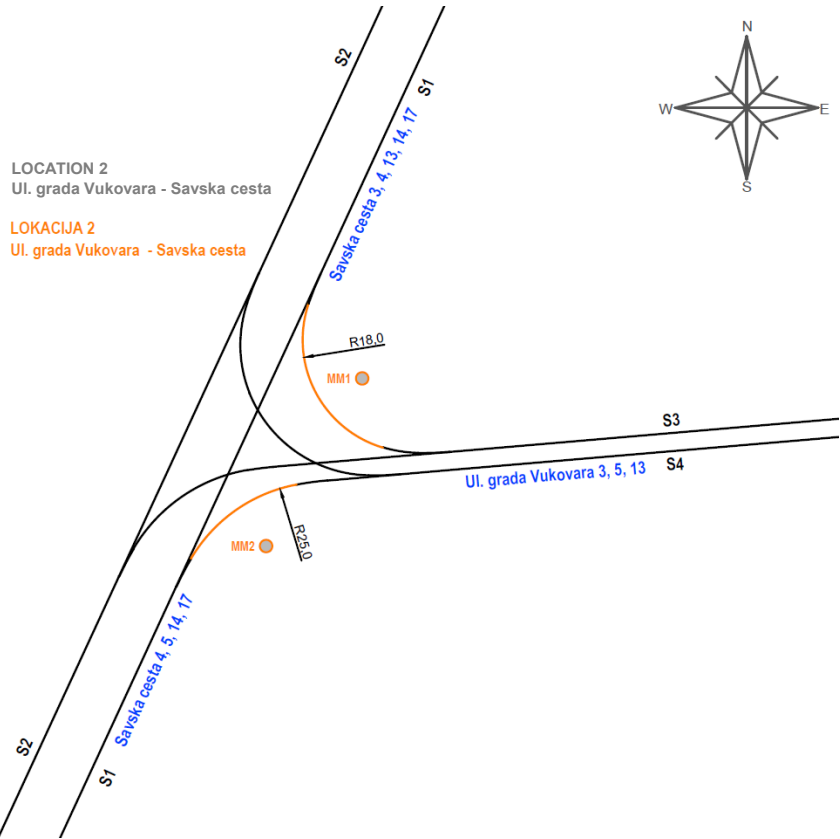
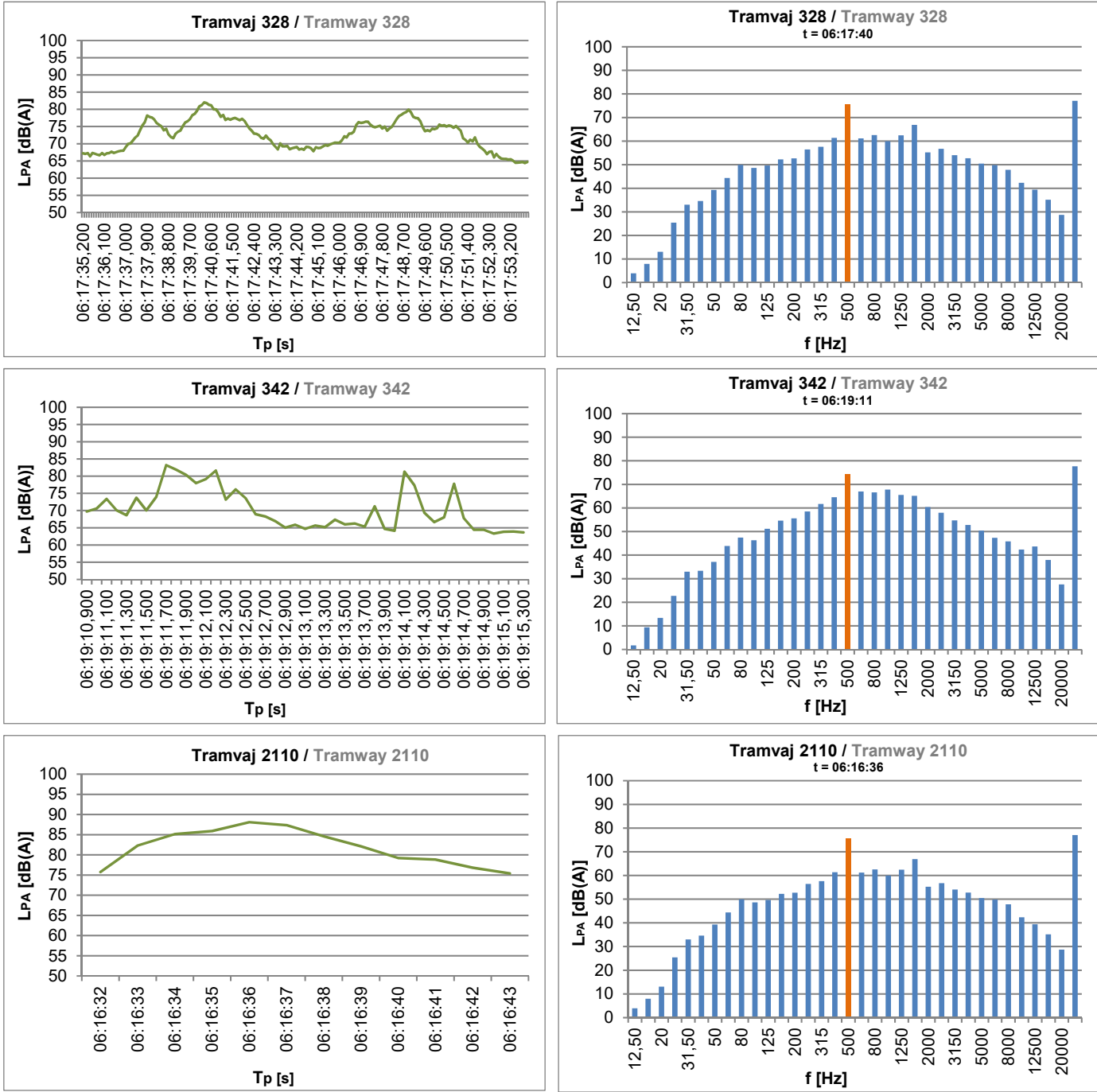
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
1	Raskrižje / Junction	Tratinska - Savska cesta	30.11.2018	05:19:09	-1,3	84	1029	2,6	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S4	2252	12	NT 2200	32,00	6,1	58,9	18,9	66,4	62,8
2	S2 - S4	347	9	TMK 301	18,11	4,2	58,9	15,4	91,5	89,4
3	S2 - S4	2208	12	NT 2200	32,00	7,0	58,9	16,4	78,9	76,2
4	S2 - S4	2268	12	NT 2200	32,00	9,0	58,9	12,7	74,9	72,7
5	S2 - S4	323	9	TMK 301	18,11	4,9	58,9	13,3	81,3	77,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure			Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]	
18,0			CP			ZG-3/2			10	

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L2: Raskrižje Ul. grada Vukovara - Savska cesta

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L2: Junction Ul. grada Vukovara - Savska cesta



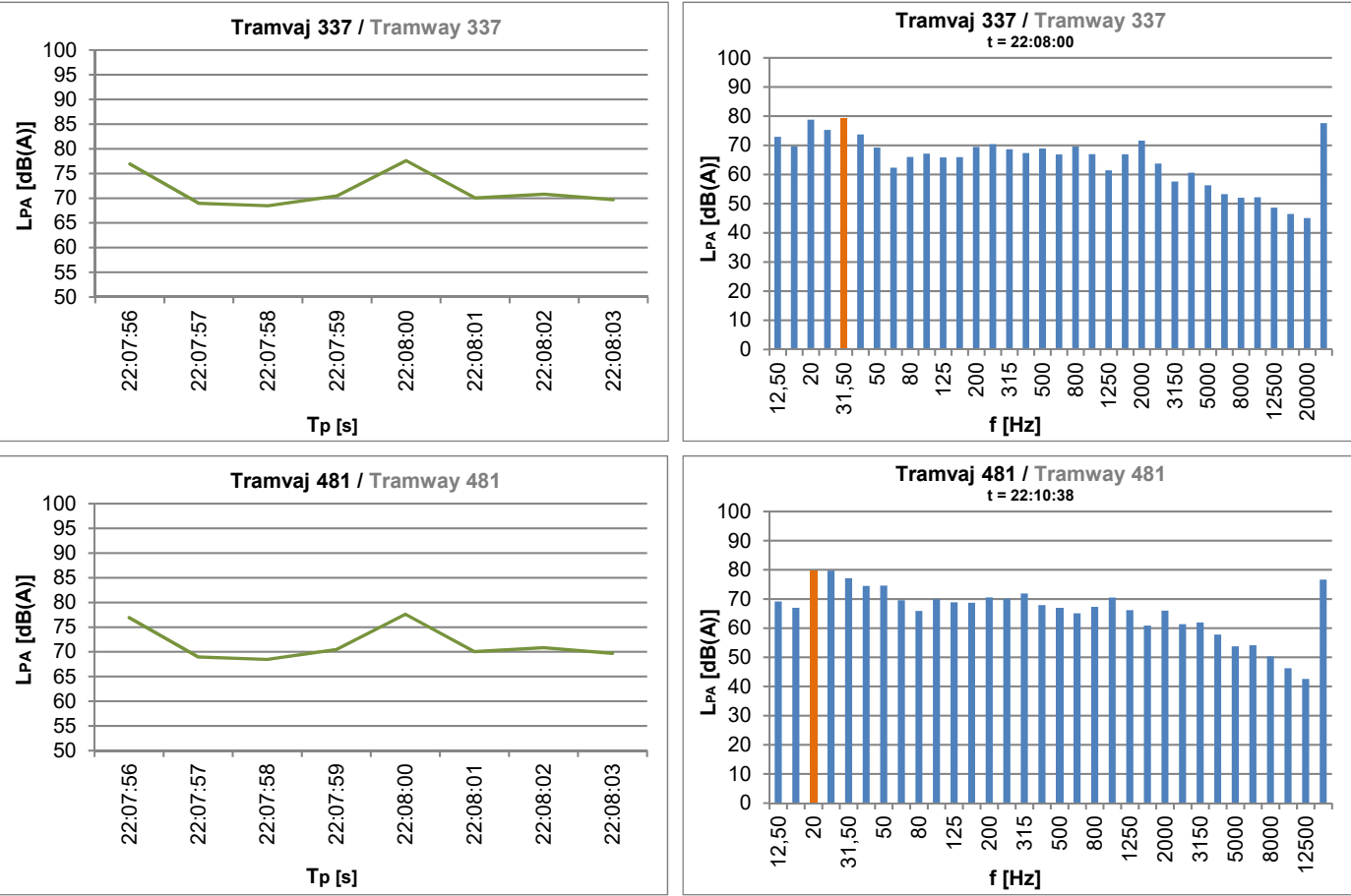
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
2	Raskrižje / Junction	Savska cesta - Ul. gr. Vukovara	30.11.2018	06:13:40	-1,3	84	1029	2,6	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S3 - S1	328	3	TMK 301	18,11	18,8	60,6	3,5	81,6	74,6
2	S3 - S1	342	3	TMK 301	18,11	4,5	60,6	14,5	81,6	74,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		ZG-3/2			8		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
2	Raskrižje / Junction	Savska cesta - Ul. gr. Vukovara	30.11.2018	06:15:00	-1,3	84	1029	2,6	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S1 - S4	2110	5	TMK 2100	27,30	11	62,1	8,9	88,2	83,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP		ZG-3/2			8		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

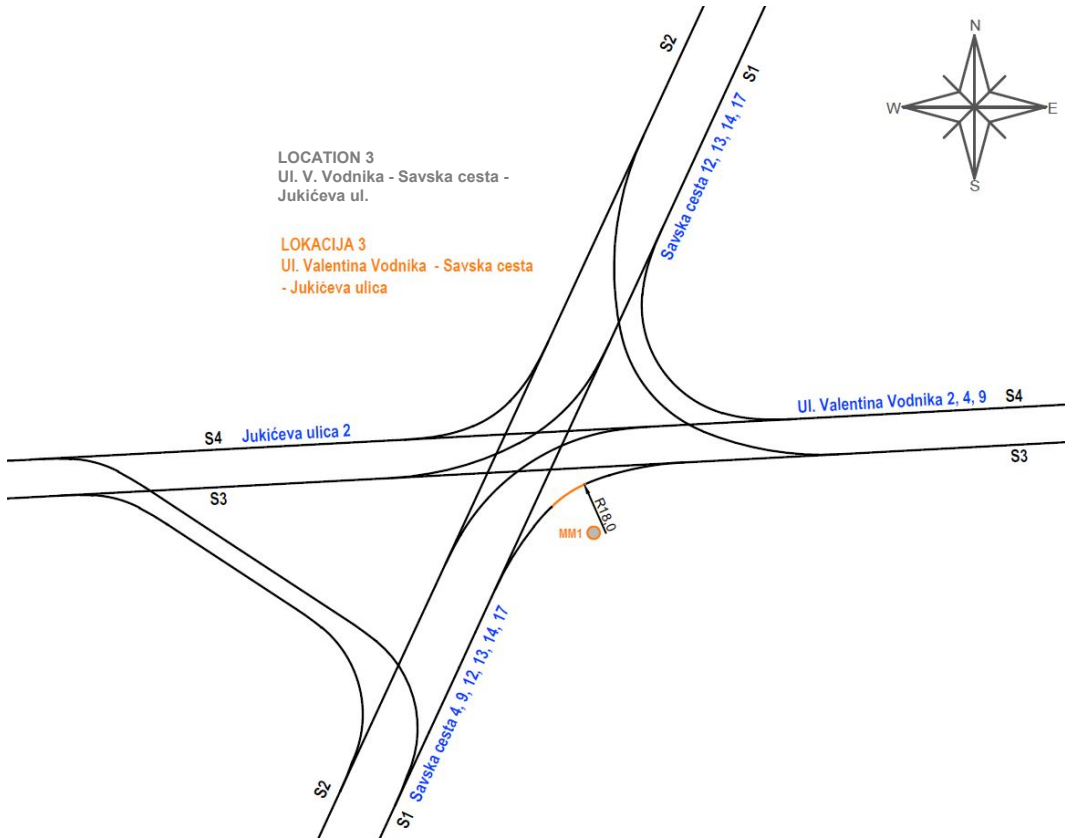
L3: Raskrižje Ul. V. Vodnika - Savska cesta - Jukićeva ul.



Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L3: Junction Ul. V. Vodnika - Savska cesta - Jukićeva ul.



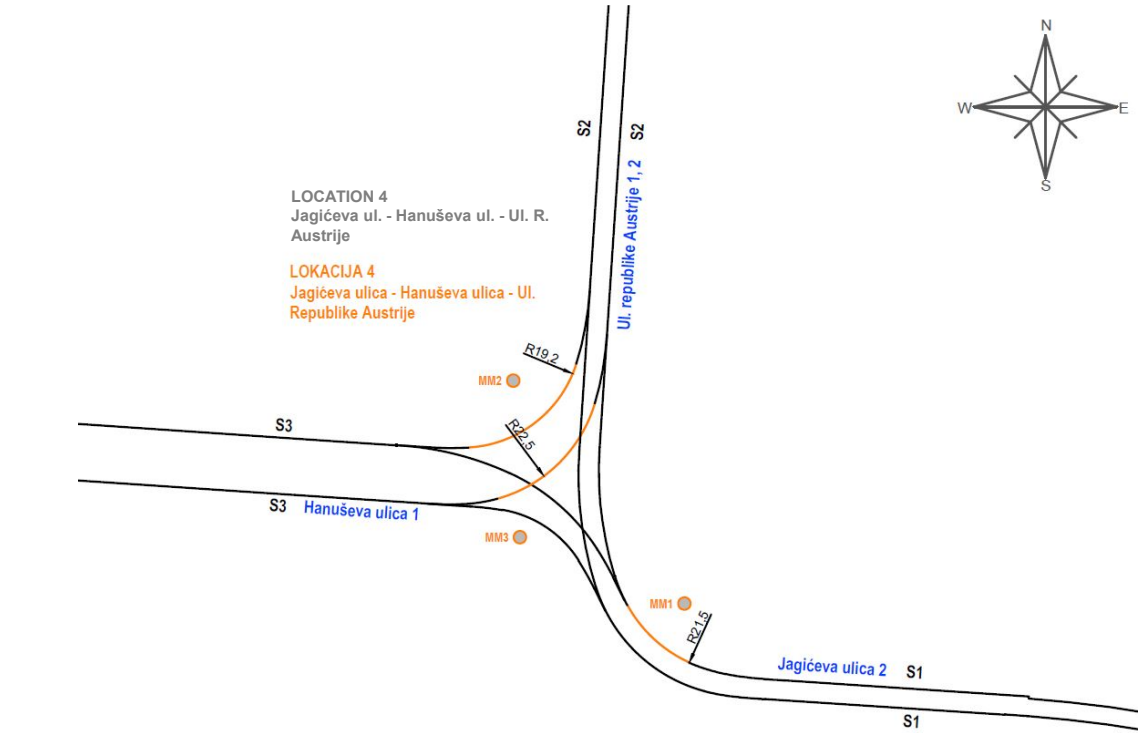
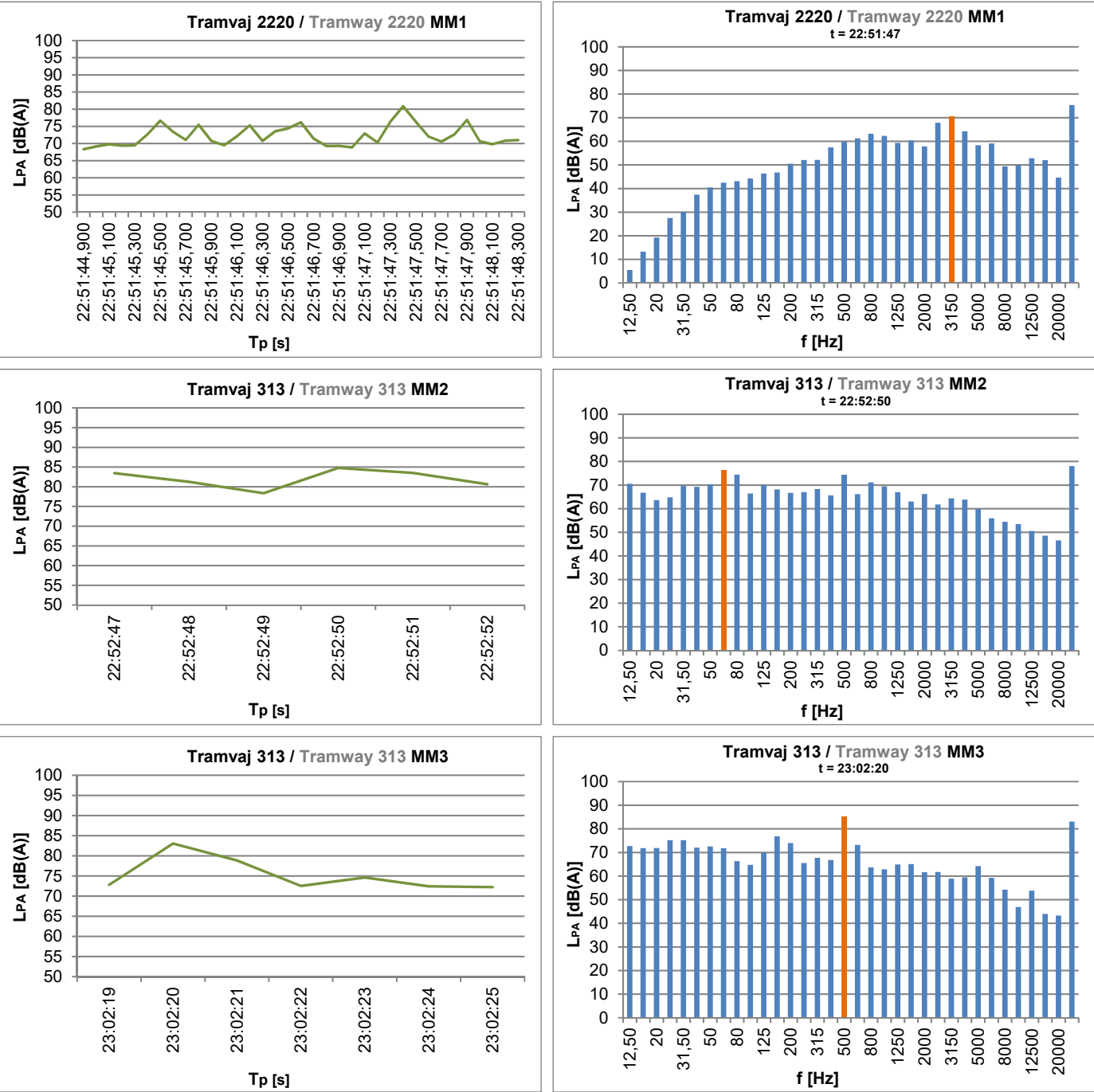
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
3	Raskrižje / Junction	Savska cesta - Jukićeva ul. - Ulica V. Vodnika	05.12.2018.	22:00:57	5,6	58	1030	0,3	B&K 2260	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S1 - S3	337	9	TMK 301	18,11	7,0	56,5	9,3	84,1	73,1
2	S1 - S3	481	4	TMK 401	28,00	9,0	56,5	11,2	83,5	73,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		PPŽ			1		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L4: Raskrižje Jagićeva ul. - Hanuševe ul. - Ul. R. Austrije

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L4: Junction Jagićeva ul. - Hanuševe ul. - Ul. R. Austrije



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetro / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
4	Raskrižje / Junction	Jagićeva ul. - Hanuševe ul. - Ul. R. Austrije	05.12.2018.	22:48:11	5,3	64	1030	0,3	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S1 - S2	2220	2	NT 2200	32,00	3,4	43,0	33,6	79,2	73,4
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
21,5			VT		TUC			23		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetro / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
4	Raskrižje / Junction	Jagićeva ul. - Hanuševe ul. - Ul. R. Austrije	05.12.2018.	22:52:43	5,3	64	1030	0,3	B&K 2250	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S2 - S2	313	1	TMK 301	18,11	4,4	45,0	14,8	83,7	82,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
19,2			CP		DEPP			15		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetro / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
4	Raskrižje / Junction	Jagićeva ul. - Hanuševe ul. - Ul. R. Austrije	05.12.2018.	22:48:53	5,3	64	1030	0,3	B&K 2260	MM3
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S2 - S3	313	1	TMK 301	18,11	5,8	46,3	11,2	85,5	77,3
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
22,5			CP		DEPP			15		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

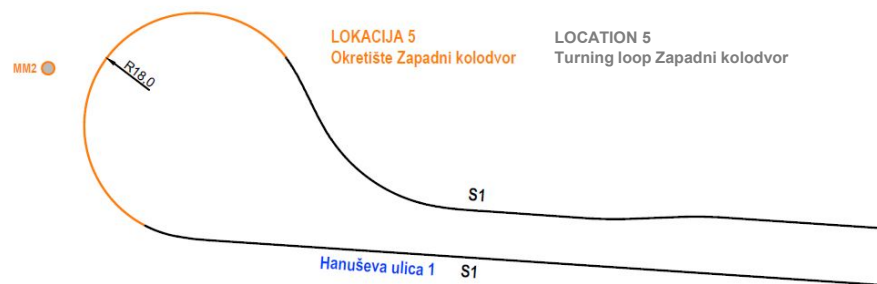
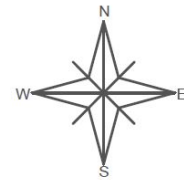
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L5: Okretište Zapadni kolodvor

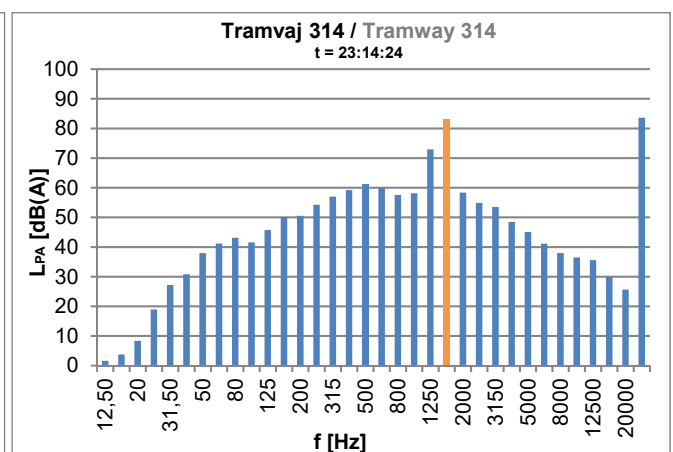
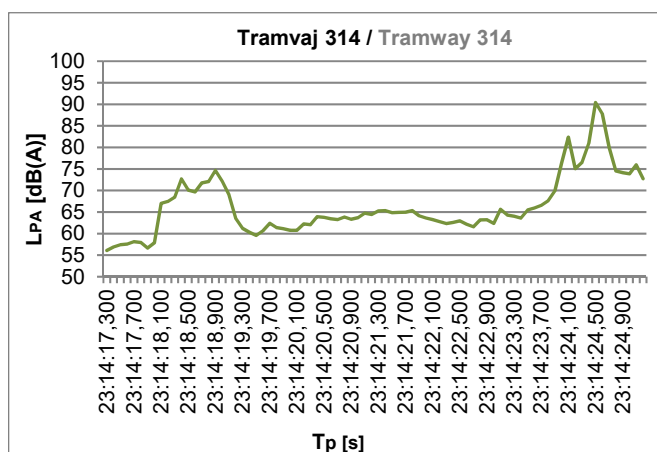
Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of measuring points and noise measurement results

L5: Turning loop Zapadni kolodvor



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
5	Okretište / Turning loop	Zapadni kolodvor	05.12.2018.	23:13:54	5,3	64	1030	0,3	B&K 2270	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	314	1	TMK 301	18,11	8,0	56,7	8,2	88,7	75,2
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP,VT		DEPP			15		



Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

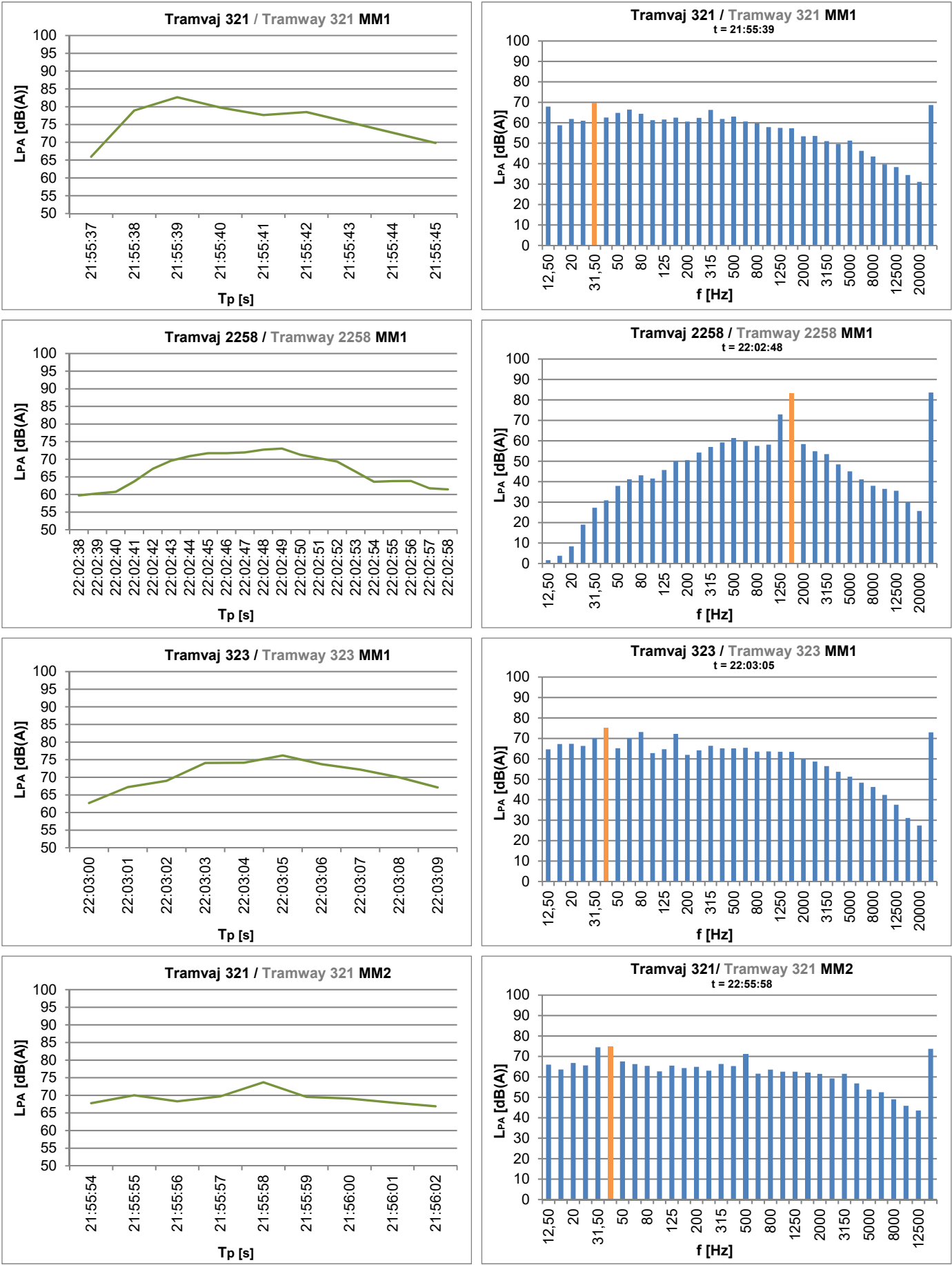
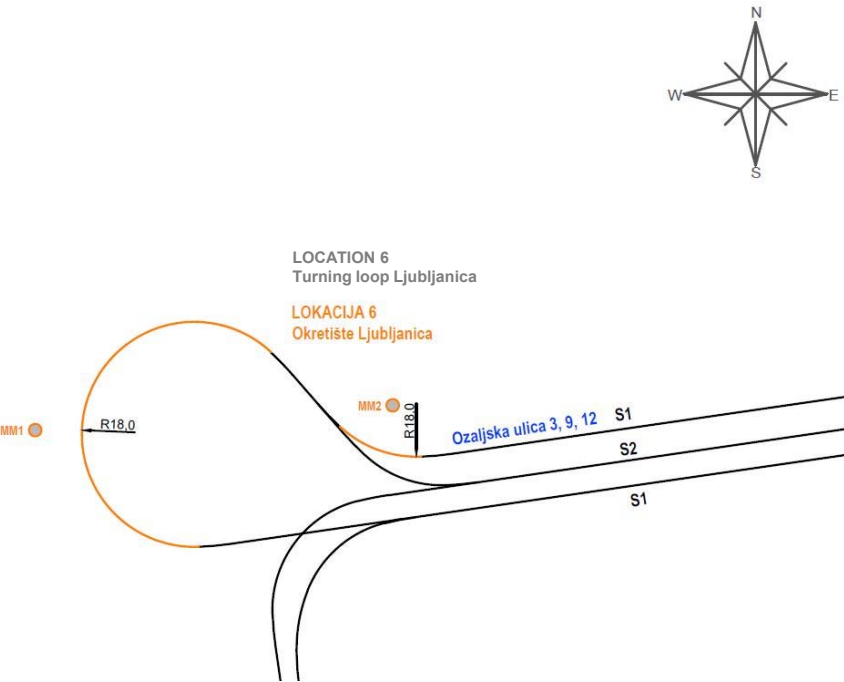
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L6: Okretište Ljubljana

Annex 7.3. Results of noise measurements for tramway pass-by test

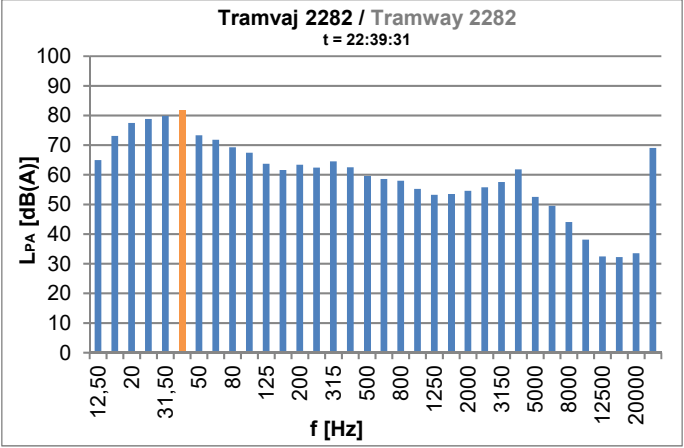
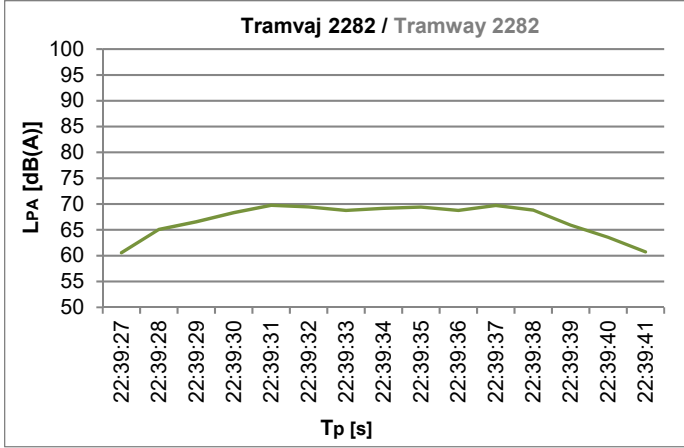
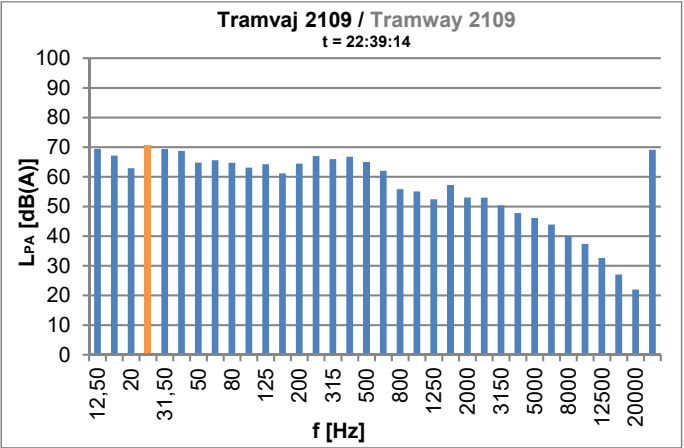
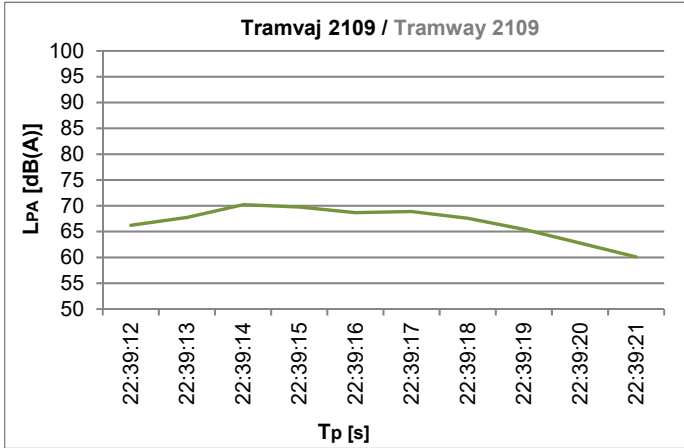
Location of curves with small radii, position of mesuring points and noise measurement results

L6: Turning loop Ljubljana



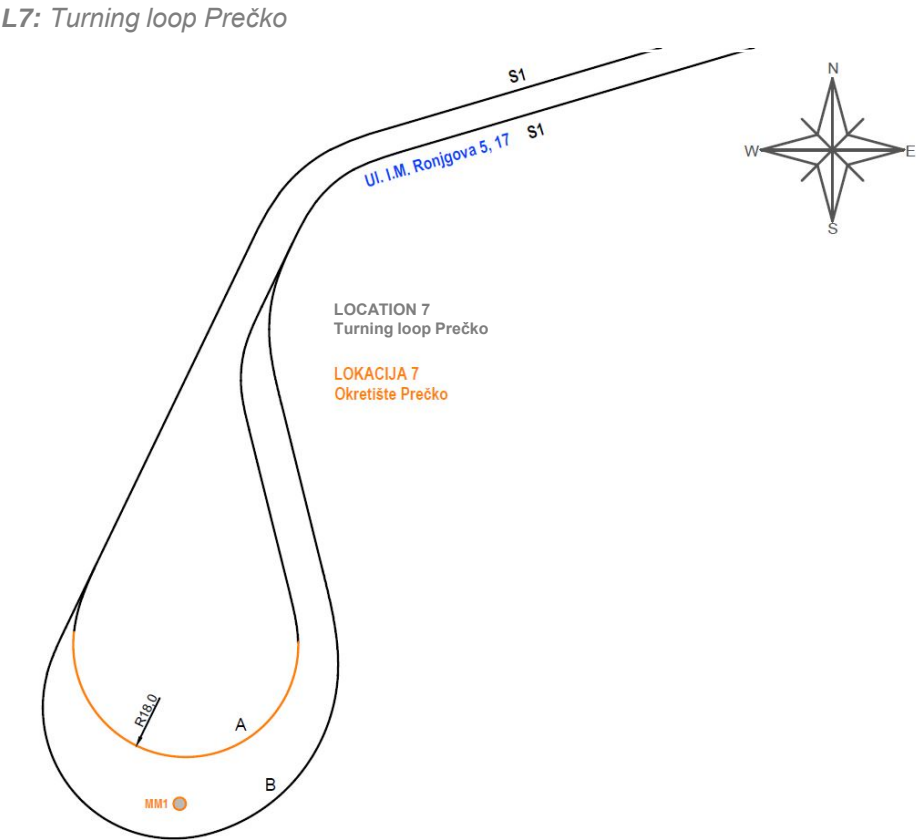
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
6	Okretište / Turning loop	Ljubljana	06.12.2018.	21:48:08	4,1	67	1026,3	0,2	B&K 2250	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S1 - A - S1	321	9	TMK 301	18,11	7,8	52,6	8,4	81,0	77,9
2	S1 - A - S1	2258	12	NT 2200	32,00	19,2	52,6	6,0	73,7	68,9
3	S1 - A - S1	323	3	TMK 301	18,11	9,3	52,6	7,0	75,6	72,1
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			VT		ZG-3/2			7		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
6	Okretište / Turning loop	Ljubljana	06.12.2018.	21:48:17	4,1	67	1026,3	0,2	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S1 - A - S1	321	9	TMK 301	18,11	7,8	57,8	8,4	76,2	69,7
2	S1 - A - S1	2258	12	NT 2200	32,00	17,7	57,8	6,5	75,2	70,5
3	S1 - A - S1	323	3	TMK 301	18,11	5,2	57,8	12,6	74,6	69,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			VT		ZG-3/2			7		



Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke
L7: Okretište Prečko

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetro [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
7	Okretište / Turning loop	Prečko	06.12.2018.	22:27:45	4,1	67	1026,3	0,2	B&K 2250	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	2109	5	TMK 2100	27,30	9,1	44,7	10,8	70,0	67,6
2	S1 - S1	2282	17	NT 2200	32,00	12,8	44,7	9,0	70,0	67,8
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			VT		DEPP			18		

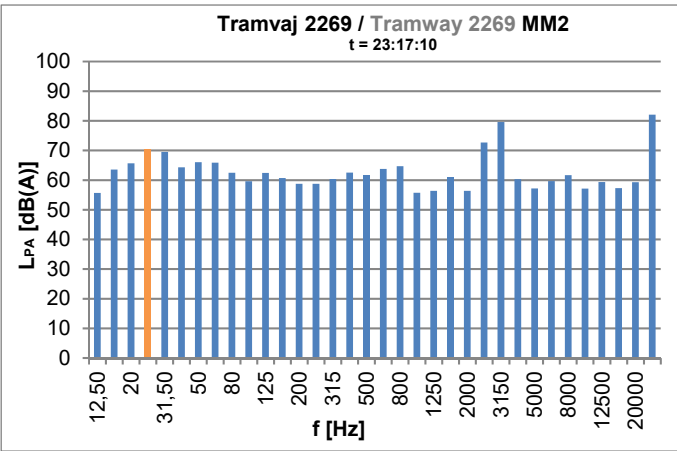
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of measuring points and noise measurement results

The map shows a road network with a turning loop. Key features include:

- Savska cesta 4, 14**: A road segment labeled in blue.
- S1**: Two points marked on the road.
- MM1**: A point marked with an orange circle.
- R37.0**: A radius label with an arrow pointing to a curve.
- LOCATION 8**: Text describing the "Turning loop Savski most".
- LOKACIJA 8**: Text describing the "Okretište Savski most" (Turning loop Savski most).
- R18.0**: A radius label with an arrow pointing to a curve at the bottom of the loop.
- MM2**: A point marked with an orange circle at the bottom of the loop.
- Compass rose**: A compass rose in the top right corner indicating North (N), South (S), East (E), and West (W).

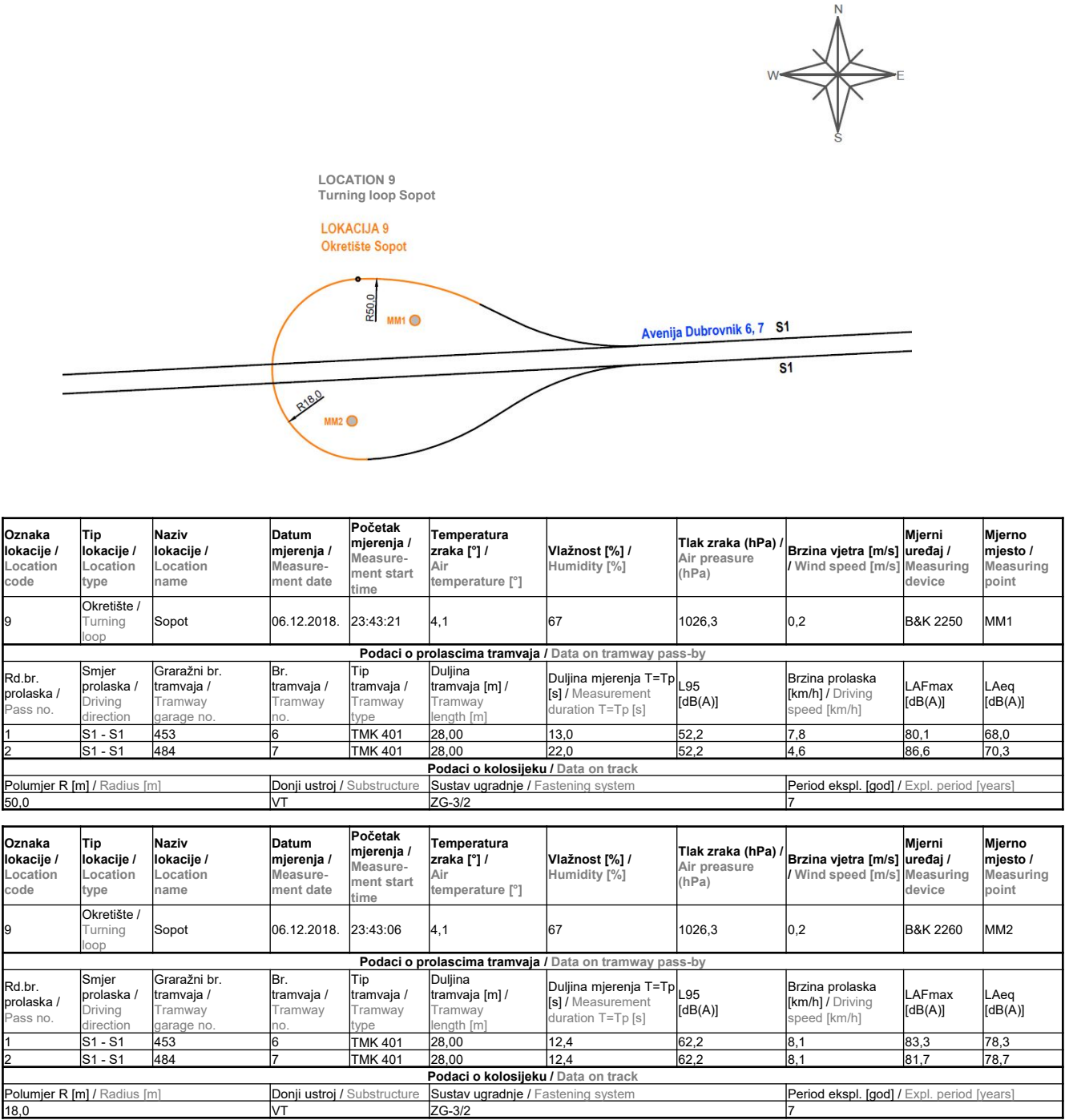
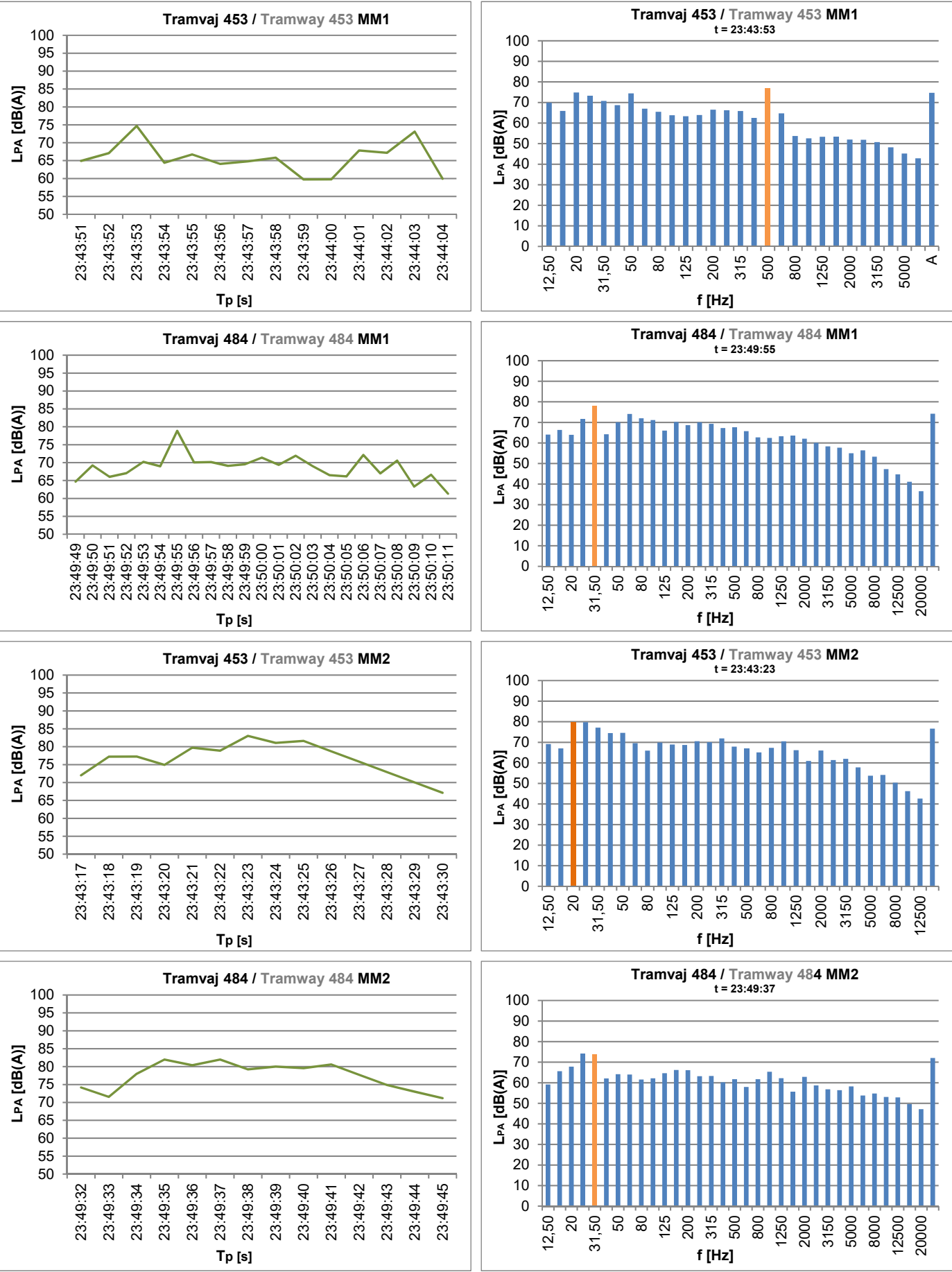


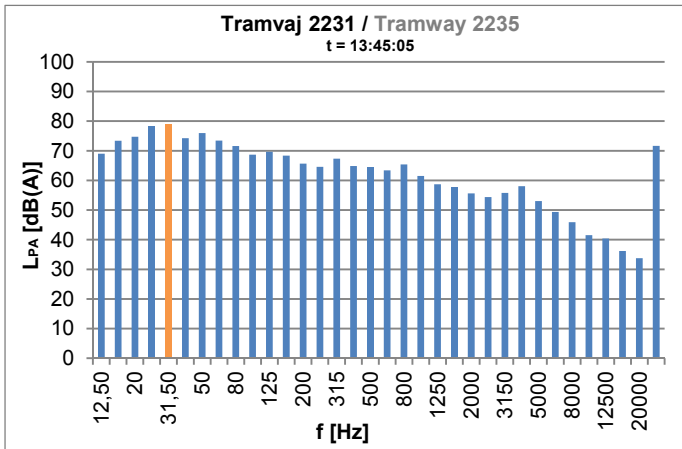
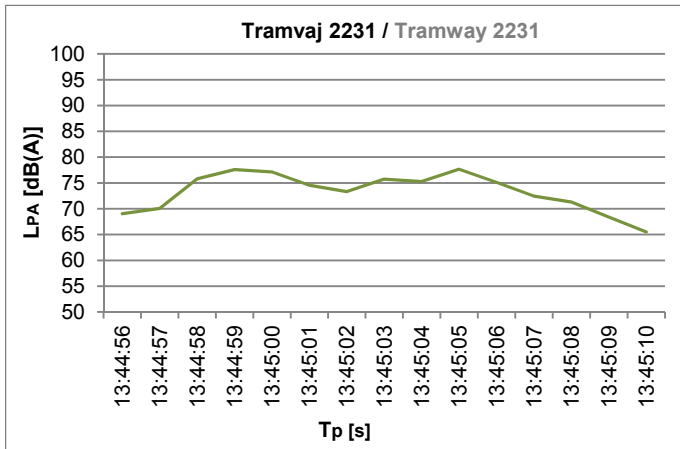
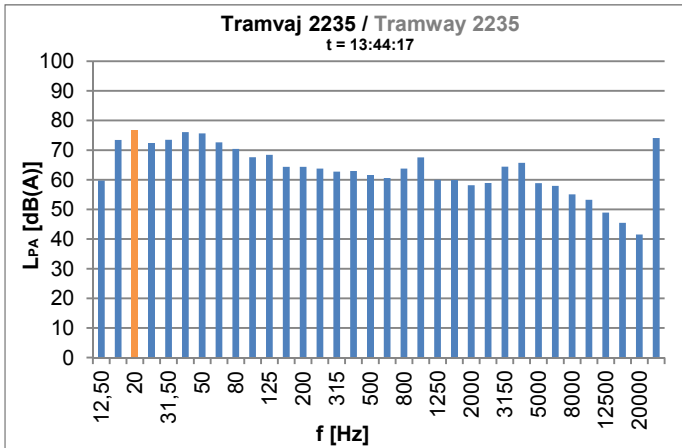
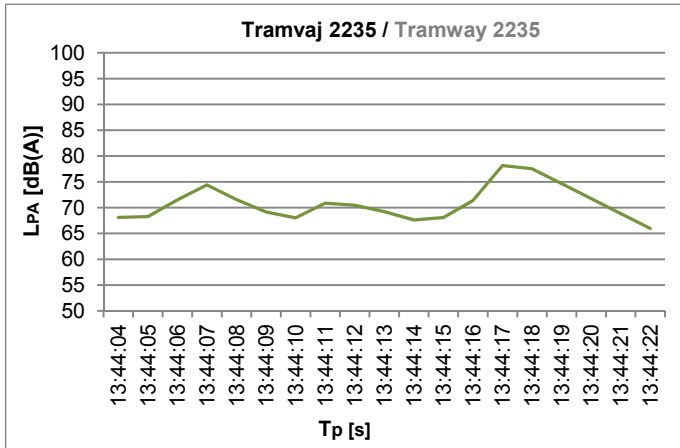
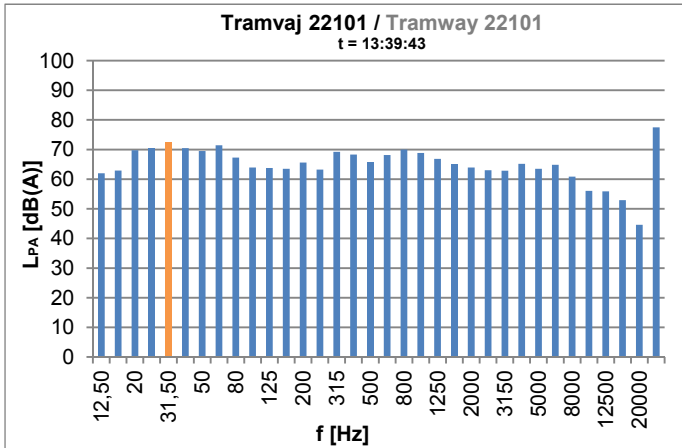
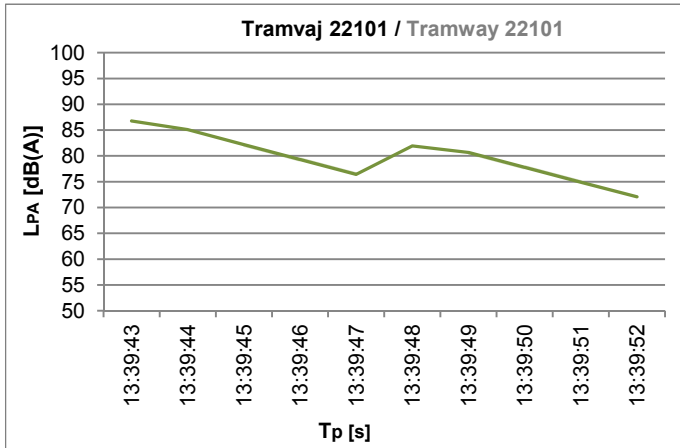
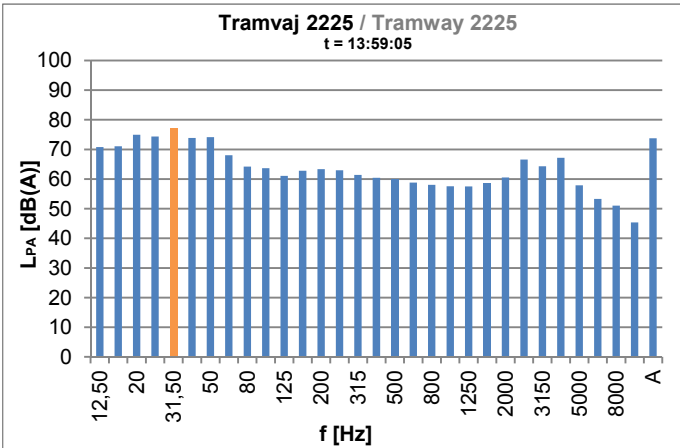
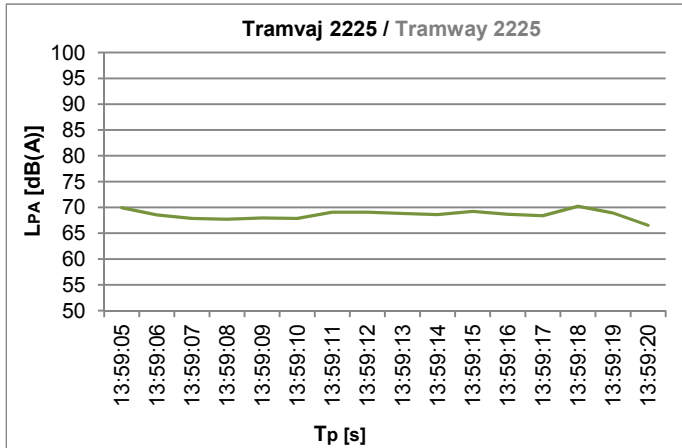
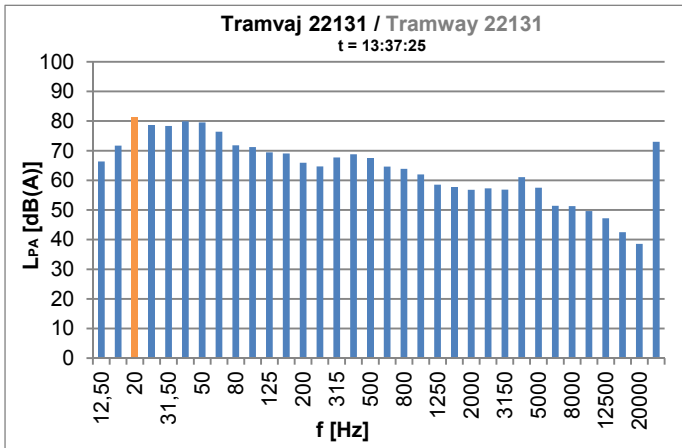
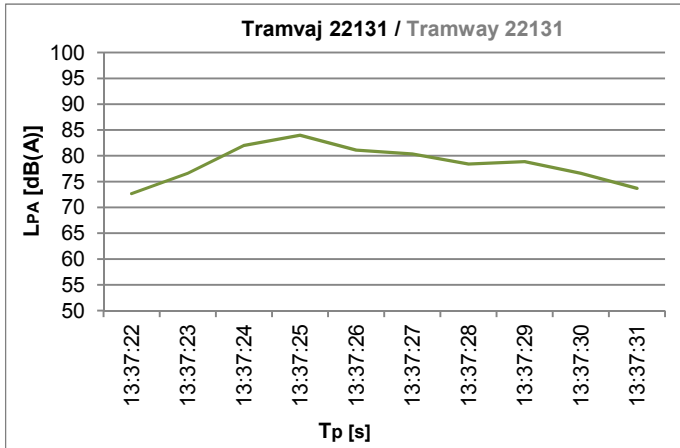
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjeta (m/s) / Wind speed (m/s)	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
4	Okretnište / Turning loop	Savski most	06.12.2018.	23:09:53	4,1	67	1026,3	0,2	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Gragažni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	2269	14	NT 2200	32,00	14,2	56,3	8,1	86,4	72,9
2	S1 - S1	454	4	TMK 401	28,00	12,4	56,3	8,1	78,6	68,2
Podaci o kolosijeku / Data on track										
Polupjerr R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		ZG-2			11		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke
L9: Okretište Sopot

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L9: Turning loop Sopot





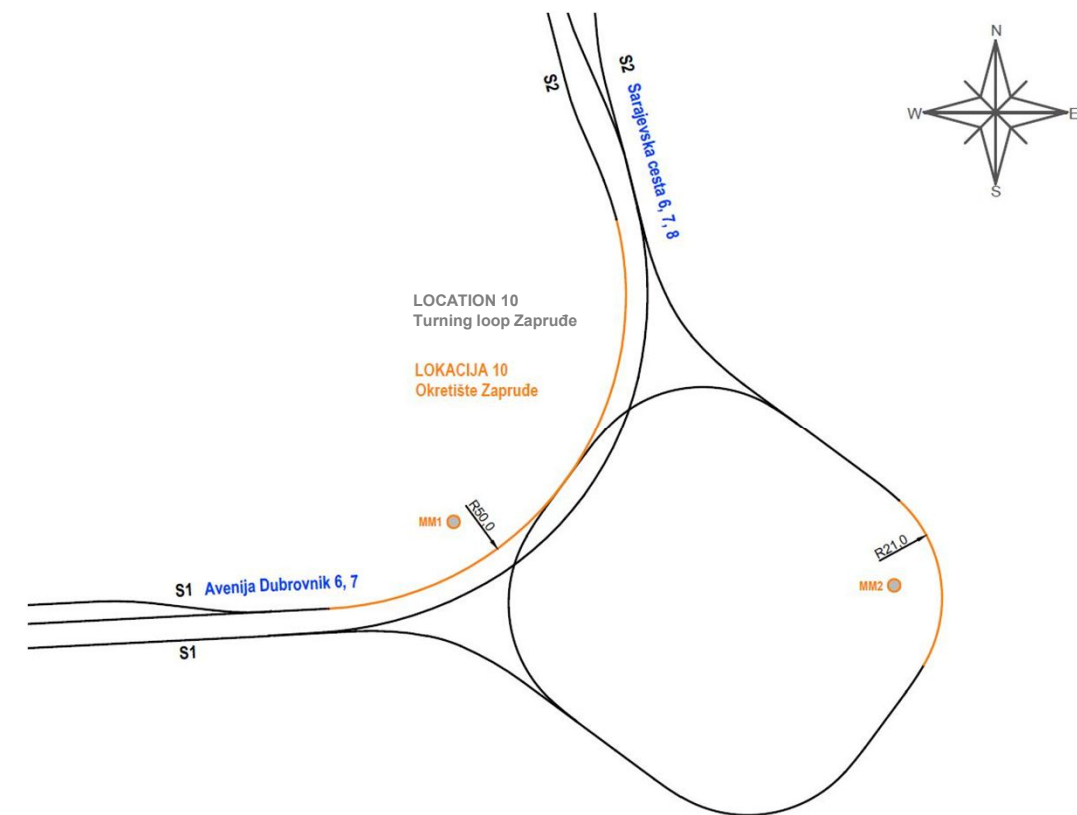
Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L10: Okretište Zaprude

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L10: Turning loop Zaprude



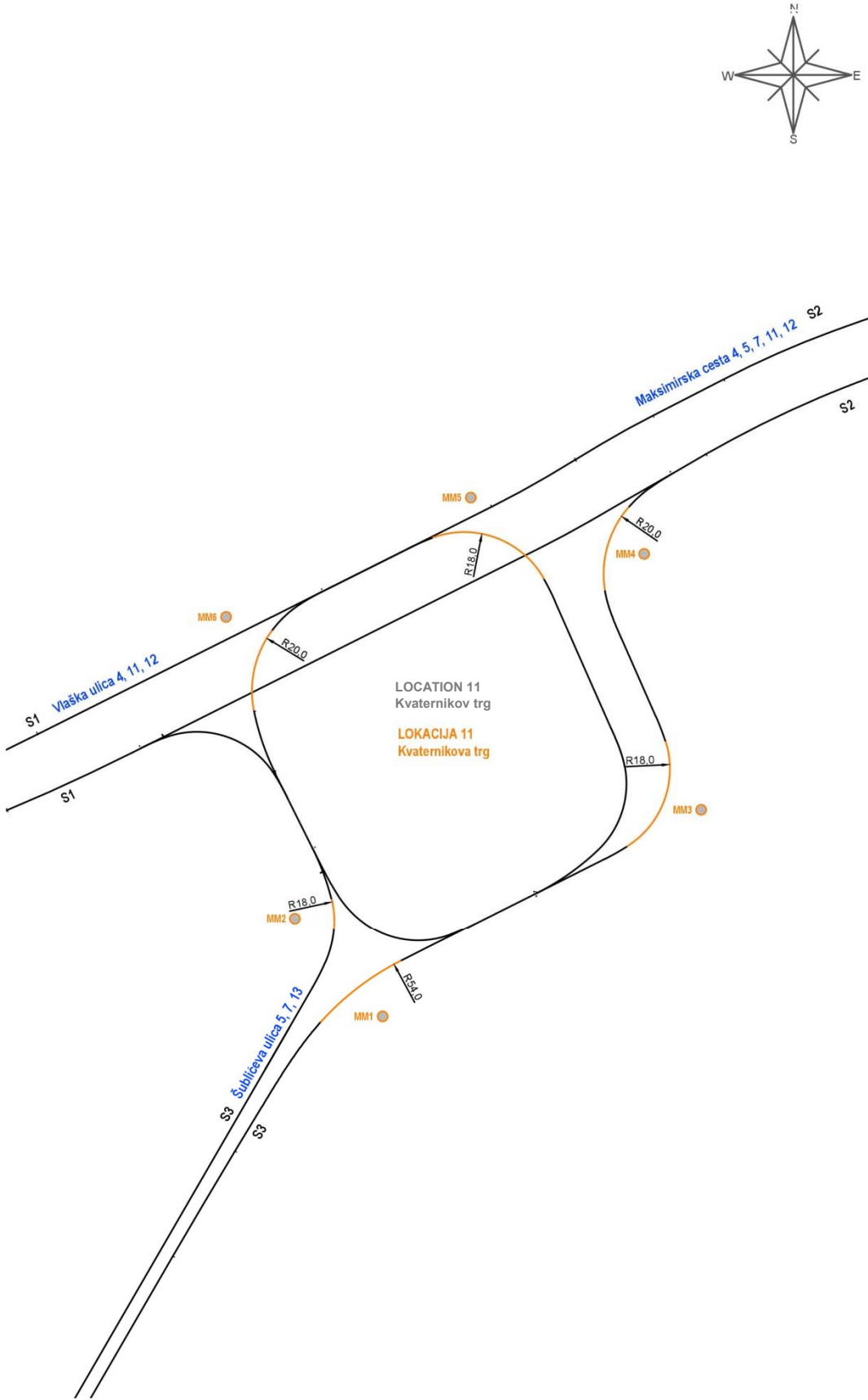
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
10	Okretište / Turning loop	Zaprude	07.12.2018.	13:33:15	7,3	68	1019,1	1,6	B&K 2250	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S1	22131	7	NT 2200	32,00	9,0	64,7	12,8	83,9	79,7
2	S2 - S1	22101	7	NT 2200	32,00	9,0	64,7	12,8	84,8	81,1
3	S2 - S1	2235	6	NT 2200	32,00	17,7	64,7	6,5	77,4	72,3
4	S2 - S1	2231	7	NT 2200	32,00	14,0	64,7	8,2	76,3	74,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
50,0			VT		ZG-3/2			8		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
10	Okretište / Turning loop	Zaprude	07.12.2018.	13:49:27	7,3	68	1019,1	1,6	B&K 2250	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S2	2225	8	NT 2200	32,00	15,0	59,9	7,7	70,1	68,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
21,0			VT		ZG-3/2			8		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
11	Raskrižje / Junction	Kvaternikov trg	17.01.2019.	21:16:44	9,5	67	1011,4	2	B&K 2260	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S3 - S3	319	13	TMK 301	18,11	3,8	51,0	17,4	74,2	70,1
2	S3 - S2	22105	7	NT 2200	32,00	8,6	51,0	13,4	71,0	69,0
3	S3 - S2	2215	7	NT 2200	32,00	6,5	51,0	17,7	77,3	74,4
4	S3 - S2	2272	5	NT 2200	32,00	5,0	51,0	23,0	80,9	77,0
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
54,0			VT		DEPP			11		
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
11	Raskrižje / Junction	Kvaternikov trg	17.01.2019.	21:16:40	9,5	67	1011,4	2	B&K 2270	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S3	2110	5	TMK 2100	32,00	7,1	55,7	16,2	93,5	83
2	S2 - S3	22113	7	NT 2200	32,00	3,4	55,7	34,0	79,7	77,4
3	S3 - S3	319	13	TMK 301	18,11	2,0	55,7	33,0	73,4	71,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			VT		DEPP			11		
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
11	Raskrižje / Junction	Kvaternikov trg	17.01.2019.	20:35:46	9,5	67	1011,4	2	B&K 2260	MM3
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S3 - S2	405	7	TMK 401	28,00	10,0	56,6	10,1	76,4	67,7
2	S3 - S2	2110	5	TMK 2100	27,30	18,0	56,6	5,5	74,9	71,0
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		DEPP			11		
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
11	Raskrižje / Junction	Kvaternikov trg	17.01.2019.	20:28:11	9,5	67	1011,4	2	B&K 2270	MM4
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S3 - S2	2107	5	TMK 2100	27,30	7,3	61,3	13,5	96	85
2	S3 - S2	405	7	TMK 400	28,00	4,0	61,3	25,5	93,8	89,2
3	S3 - S2	2110	5	TMK 2100	27,30	6,1	61,3	16,1	87,7	81,8
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
20,0			CP		DEPP			11		
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
11	Raskrižje / Junction	Kvaternikov trg	17.01.2019.	20:57:43	9,5	67	1011,4	2	B&K 2260	MM5
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S3 - S3	316	13	TMK 301	18,11	6,2	60,5	10,5	96,7	88,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		DEPP			11		
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
11	Raskrižje / Junction	Kvaternikov trg	17.01.2019.	20:55:18	9,5	67	1011,4	2	B&K 2270	MM6
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S3	478	7	TMK 401	28,00	5,6	53,6	17,9	93,5	86,2
2	S2 - S3	2257	7	NT 2200	32,00	5,1	53,6	22,5	79,6	75,8
3	S2 - S3	2107	5	TMK 2100	27,30	3,0	53,6	32,8	81,9	76,0
4	S3 - S3	316	13	TMK 301	18,11	2,2	53,6	29,2	85,0	80,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
20,0			CP		DEPP			11		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke
L11: Raskrižje Kvaternikov trg

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results
L11: Junction Kvaternikov trg

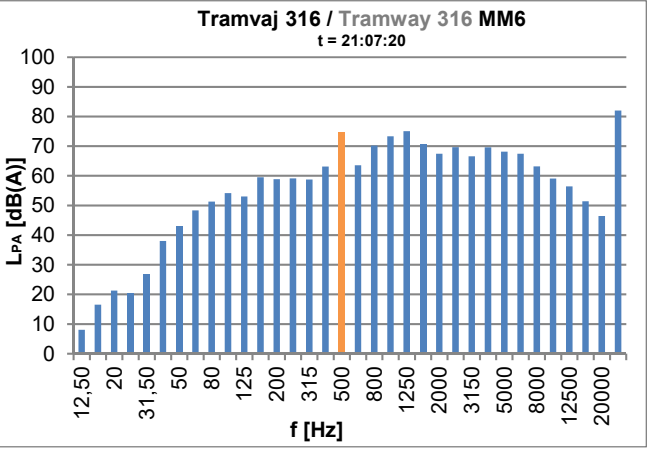
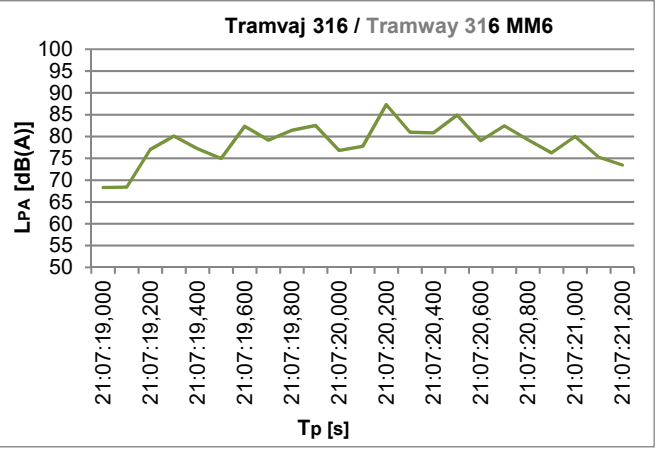
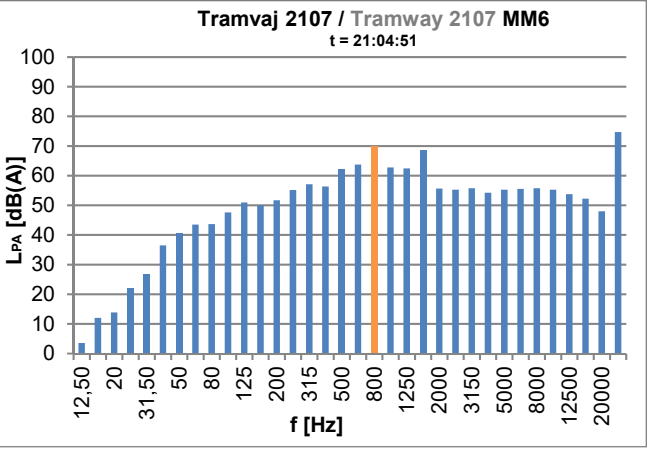
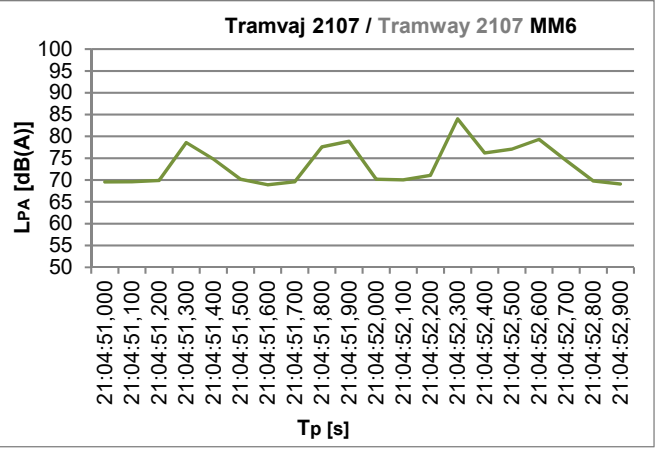
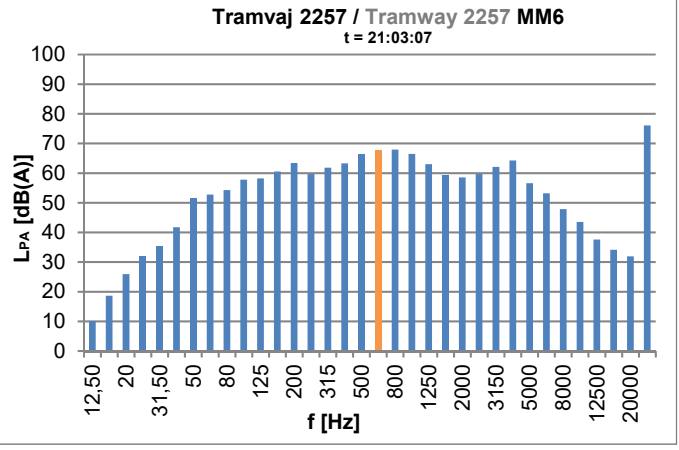
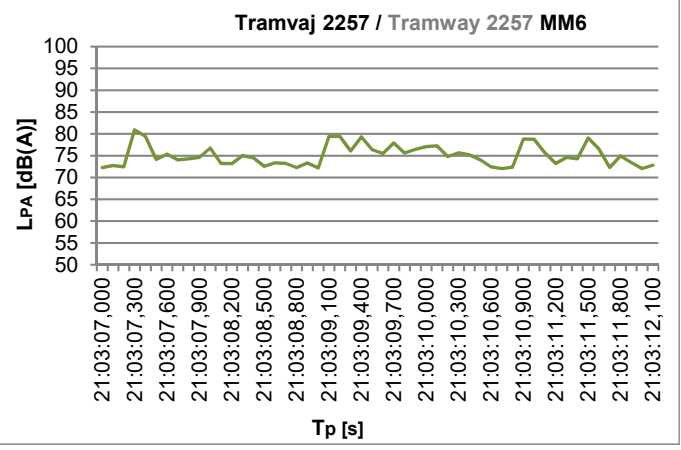
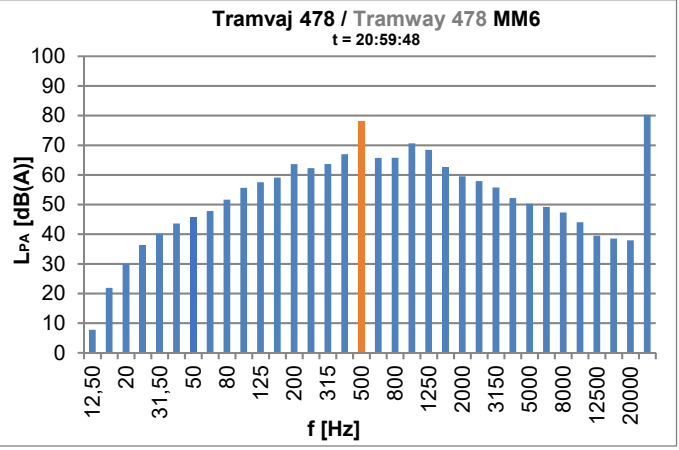
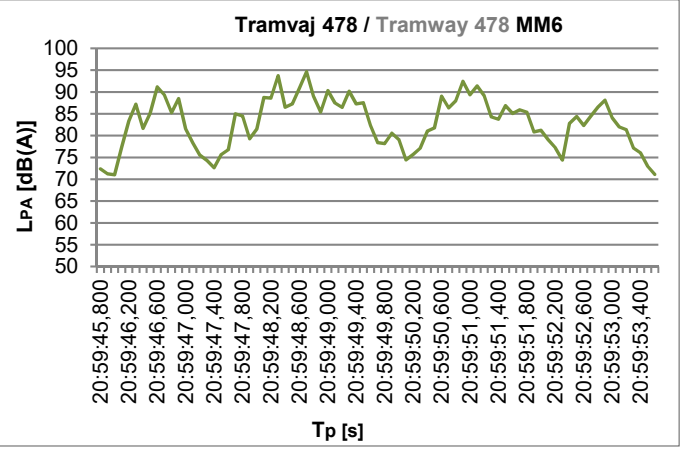
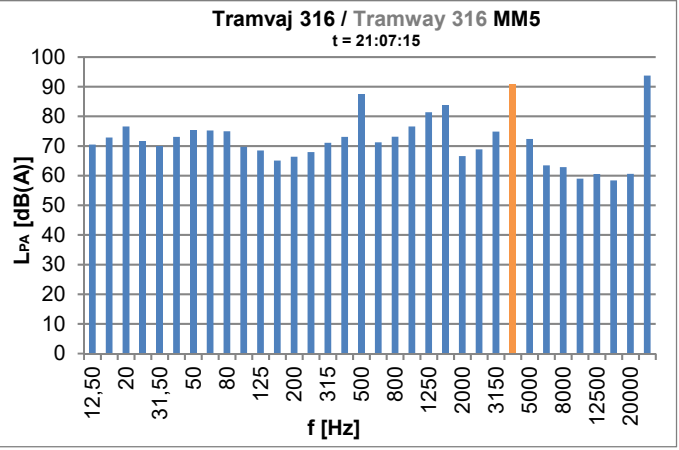
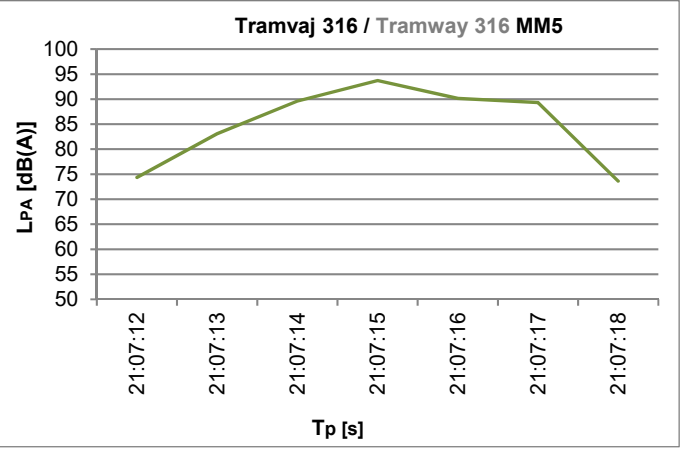
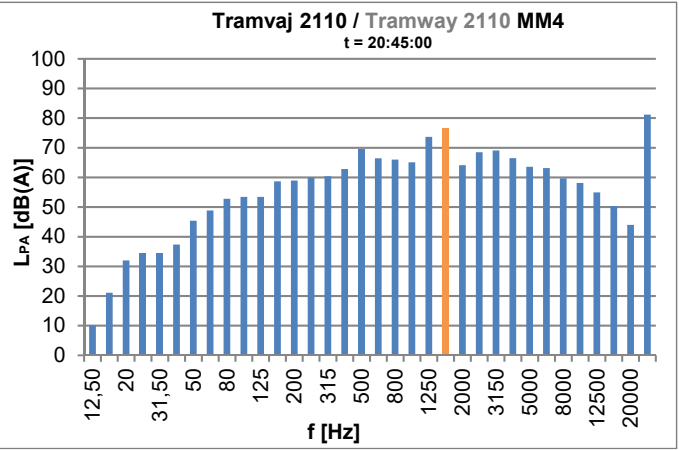
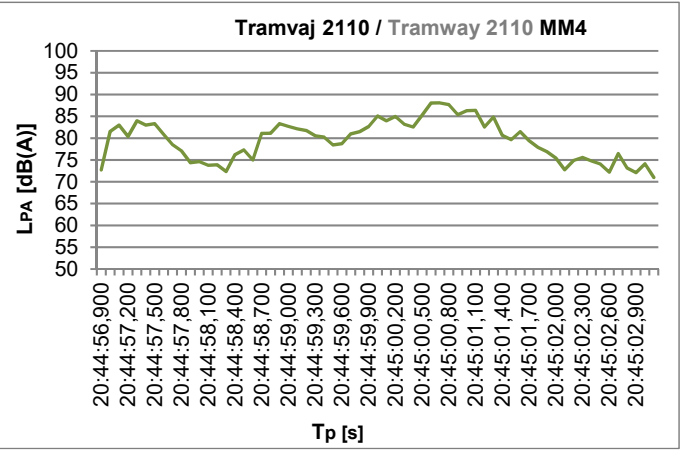


Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L11: Raskrižje Kvaternikov trg

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L11: Junction Kvaternikov trg

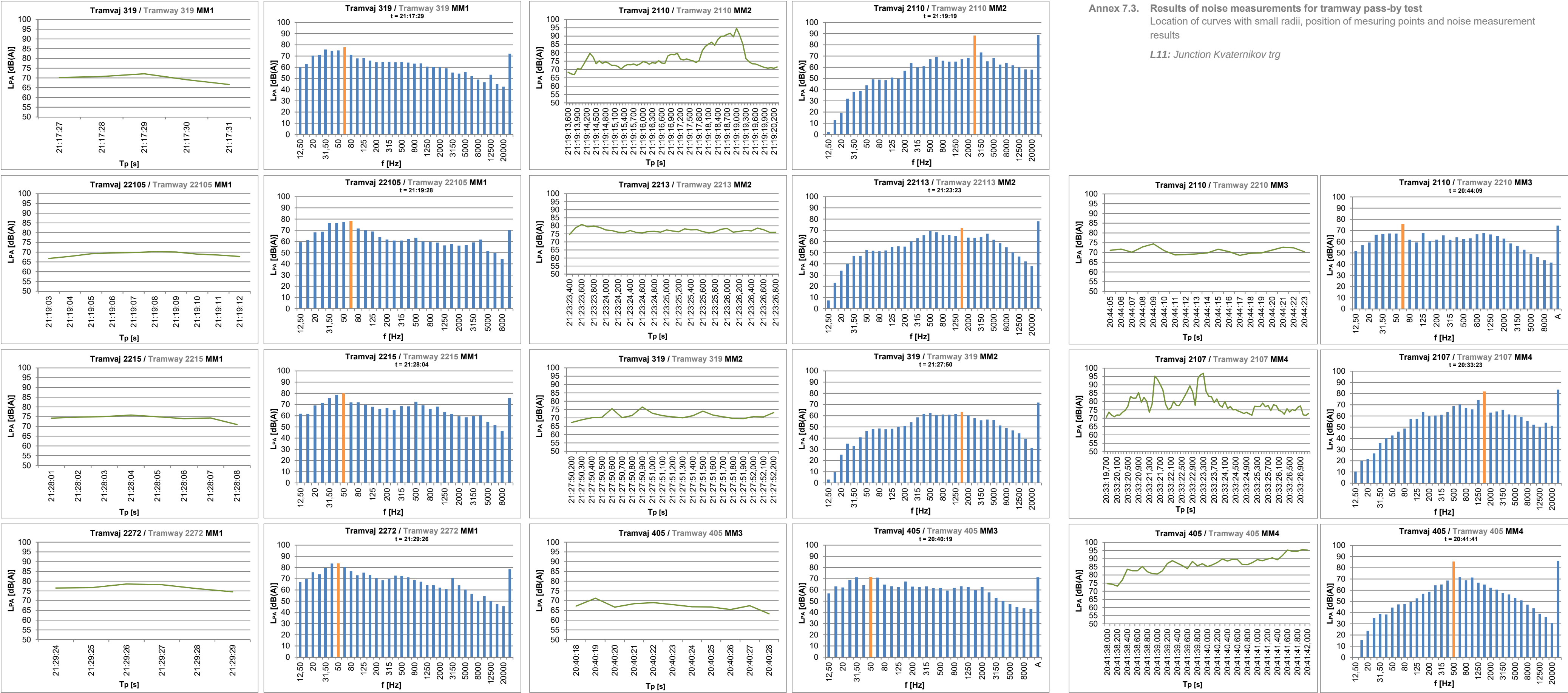


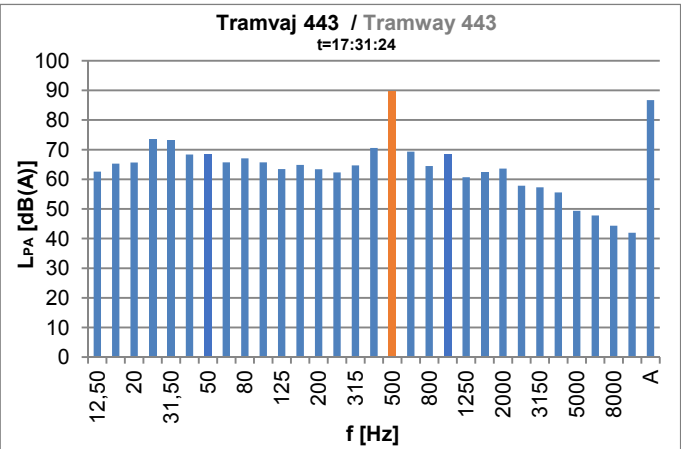
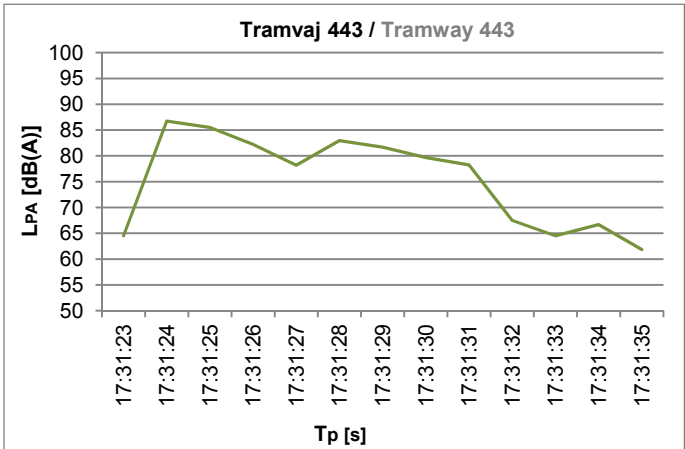
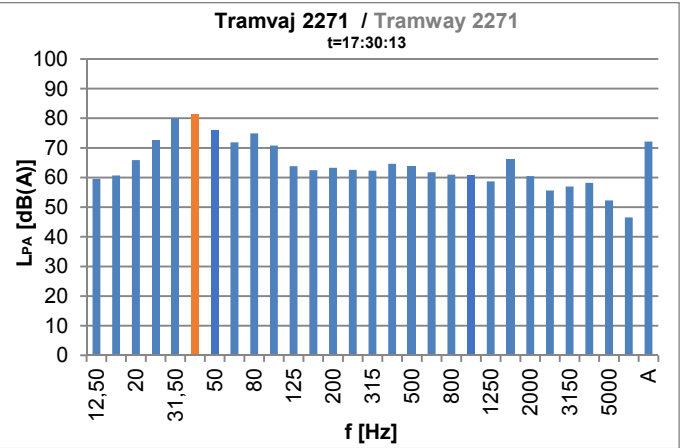
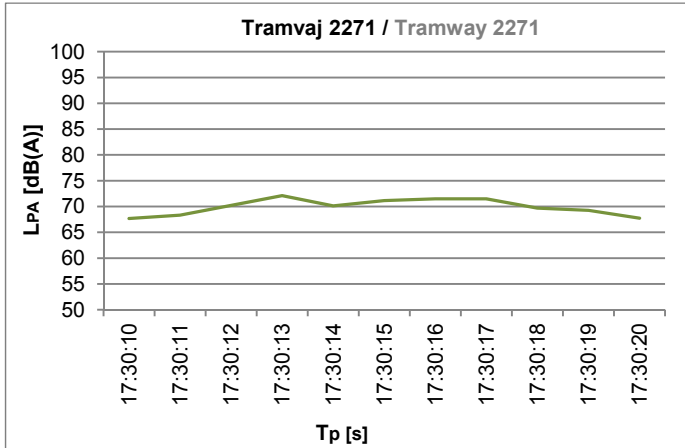
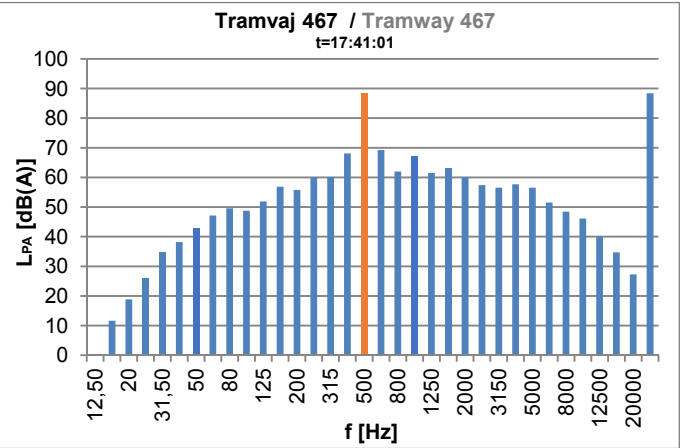
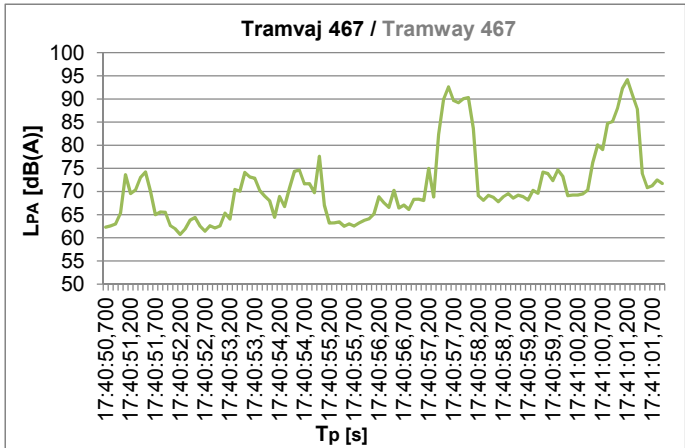
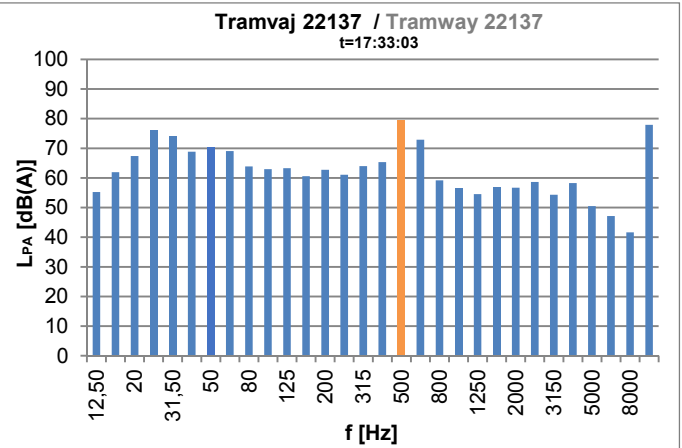
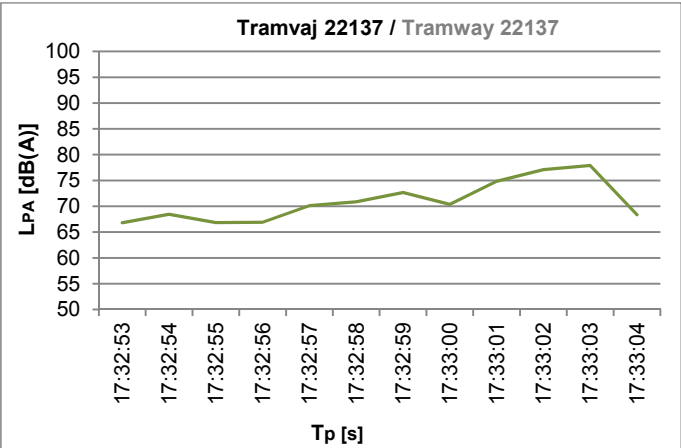
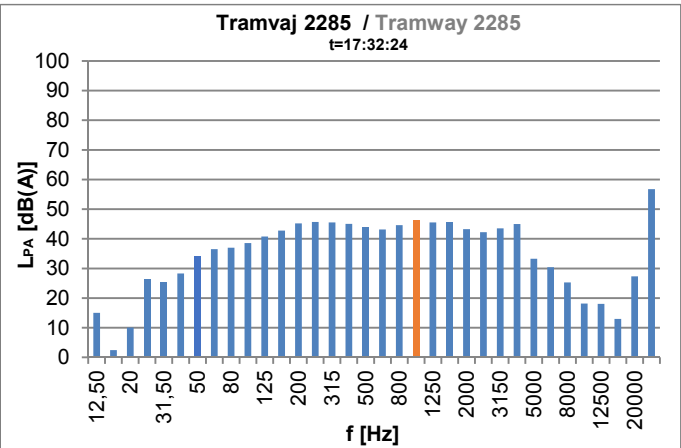
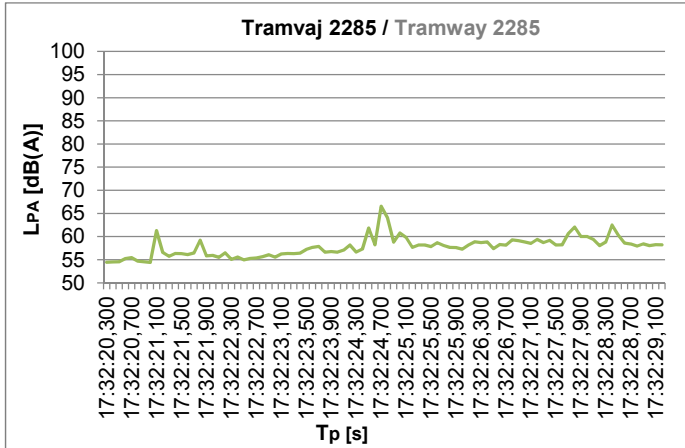
Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L11: Raskrižje Kvaternikov trg

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L11: Junction Kvaternikov trg





Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

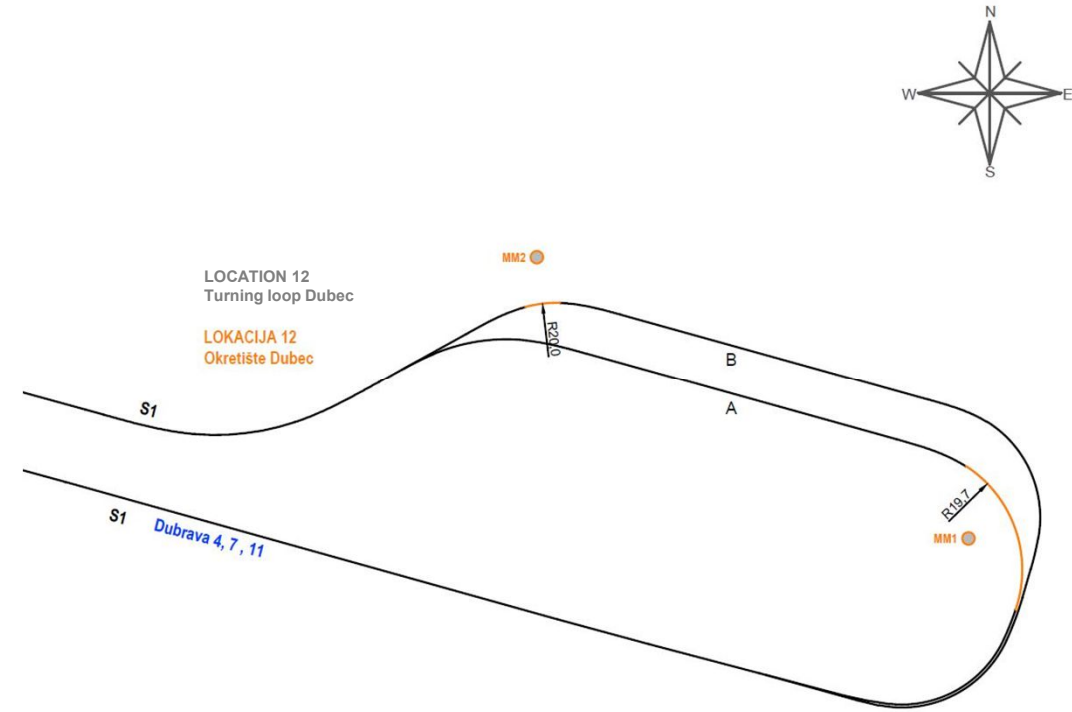
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L12: Okretište Dubec

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L12: Turning loop Dubec



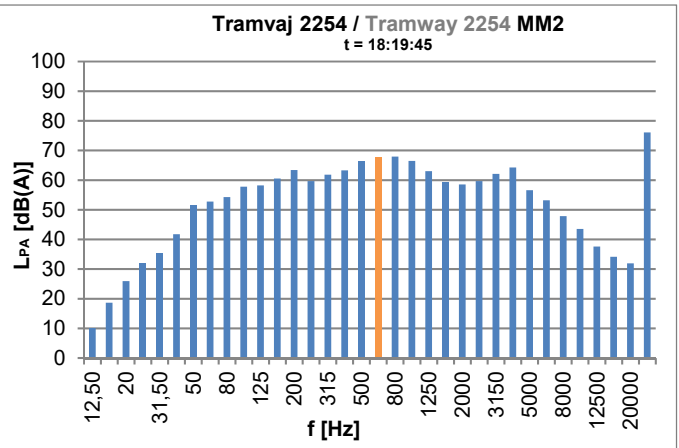
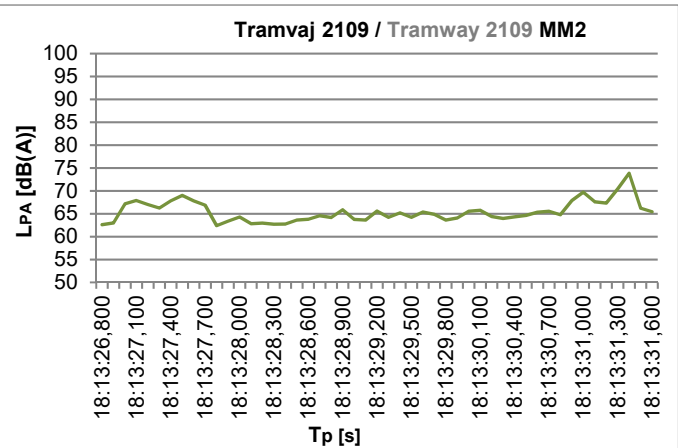
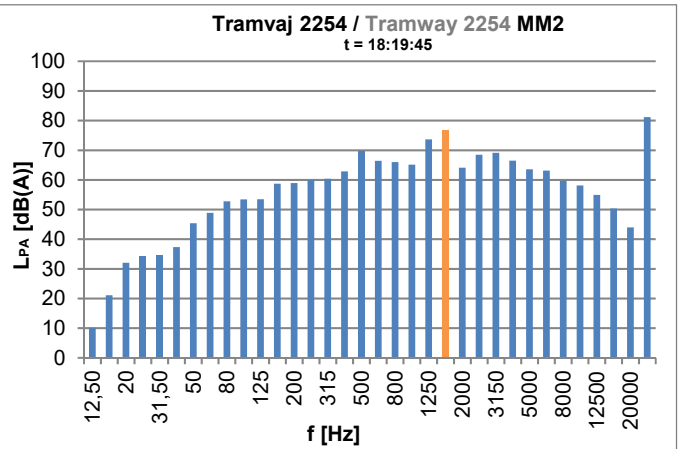
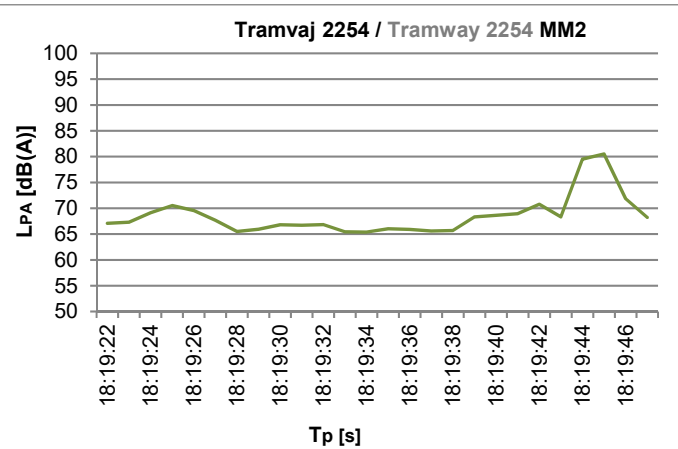
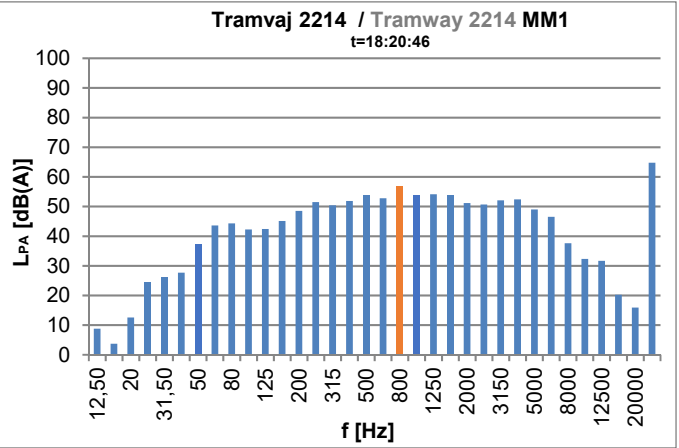
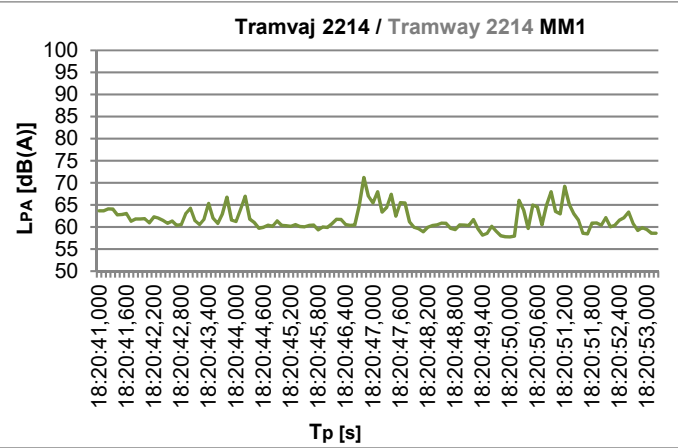
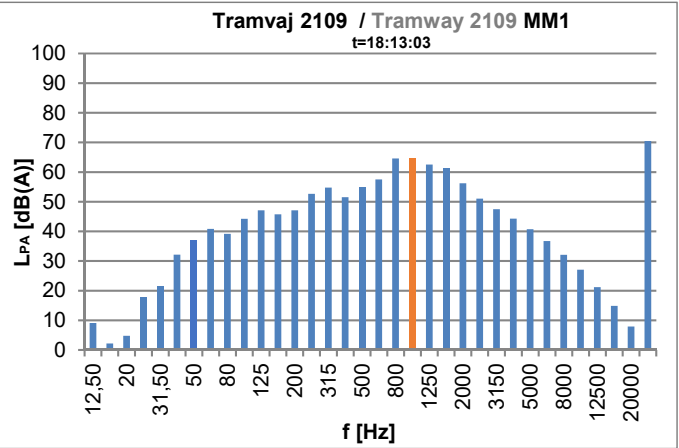
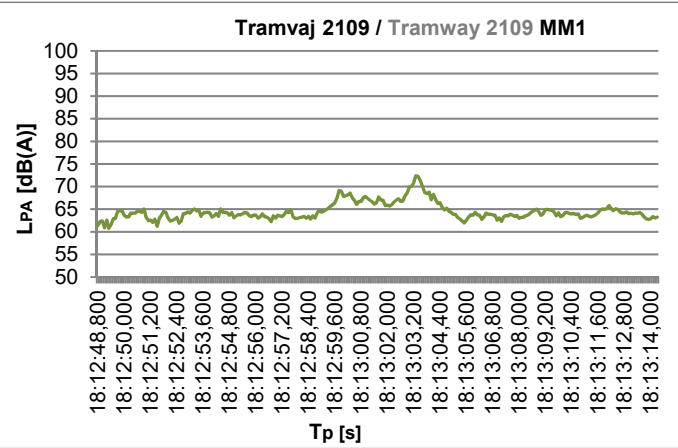
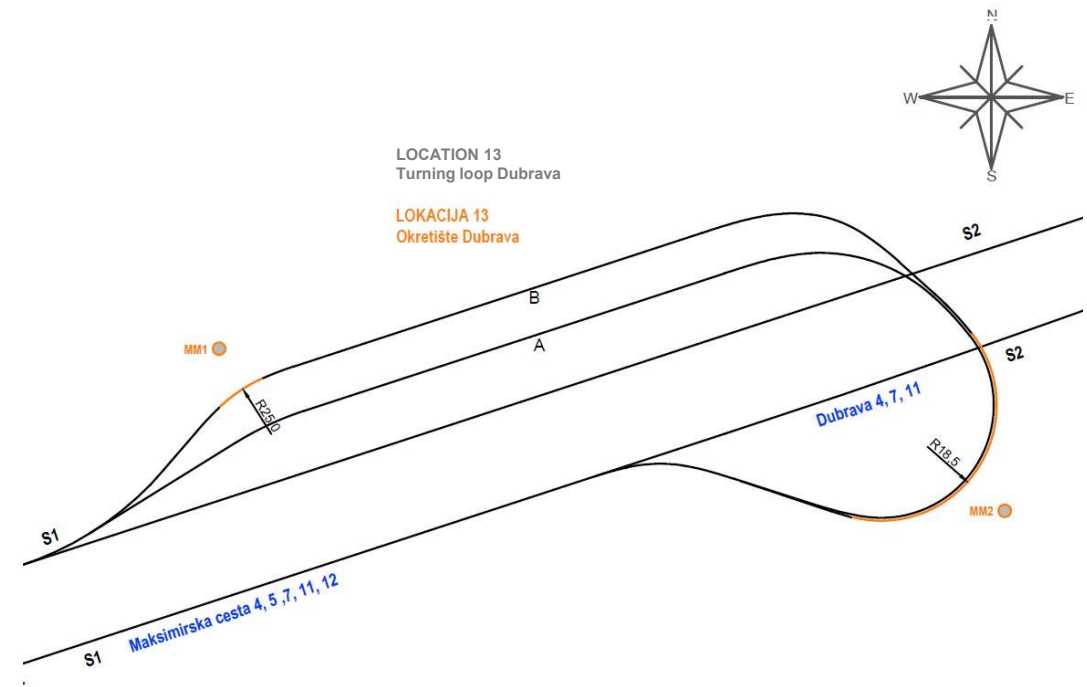
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
12	Okretište / Turning loop	Dubec	17.01.2019.	17:23:36	11,2	60	1012,2	2,8	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1-A-S1	2285	4	NT 2200	32,00	9,0	54,2	12,8	64,7	58,4
2	S1-A-S1	467	4	TMK 401	28,00	11,2	54,2	9,0	92,9	81,4
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
19,7			VT		DEPP			18		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
12	Okretište / Turning loop	Dubec	17.01.2019.	17:23:36	11,2	60	1012,2	2,8	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1-B-S1	2271	7	NT 2200	32,00	10,0	64,3	11,5	74,0	70,2
2	S1-B-S1	443	4	TMK 401	28,00	11,3	64,3	8,9	90,1	80,9
3	S1-B-S1	22137	11	NT 2200	32,00	11,8	64,3	9,8	81,6	72,2
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
20,0			VT		DEPP			18		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke
L13: Okretište Dubrava

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L13: Turning loop Dubrava



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
13	Okretište / Turning loop	Dubrava	17.01.2019.	18.11:10	11,2	60	1012,2	2,8	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S1 - S1	2109	5	TMK 2100	27,30	6,4	51,7	15,4	72,4	66,2
2	S1 - S1	2214	12	NT 2200	32,00	12,2	51,7	9,4	68,9	62,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP,VT		DEPP			18		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
13	Okretište / Turning loop	Dubrava	17.01.2019.	18.11:08	11,2	60	1012,2	2,8	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S1-B-S1	2254	5	NT 2200	32,00	25,0	61,0	4,6	83,9	71,3
2	S1-B-S1	2109	5	TMK 2100	27,30	8,2	61,0	12,0	73,7	69,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,5			CP,VT		DEPP			9		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

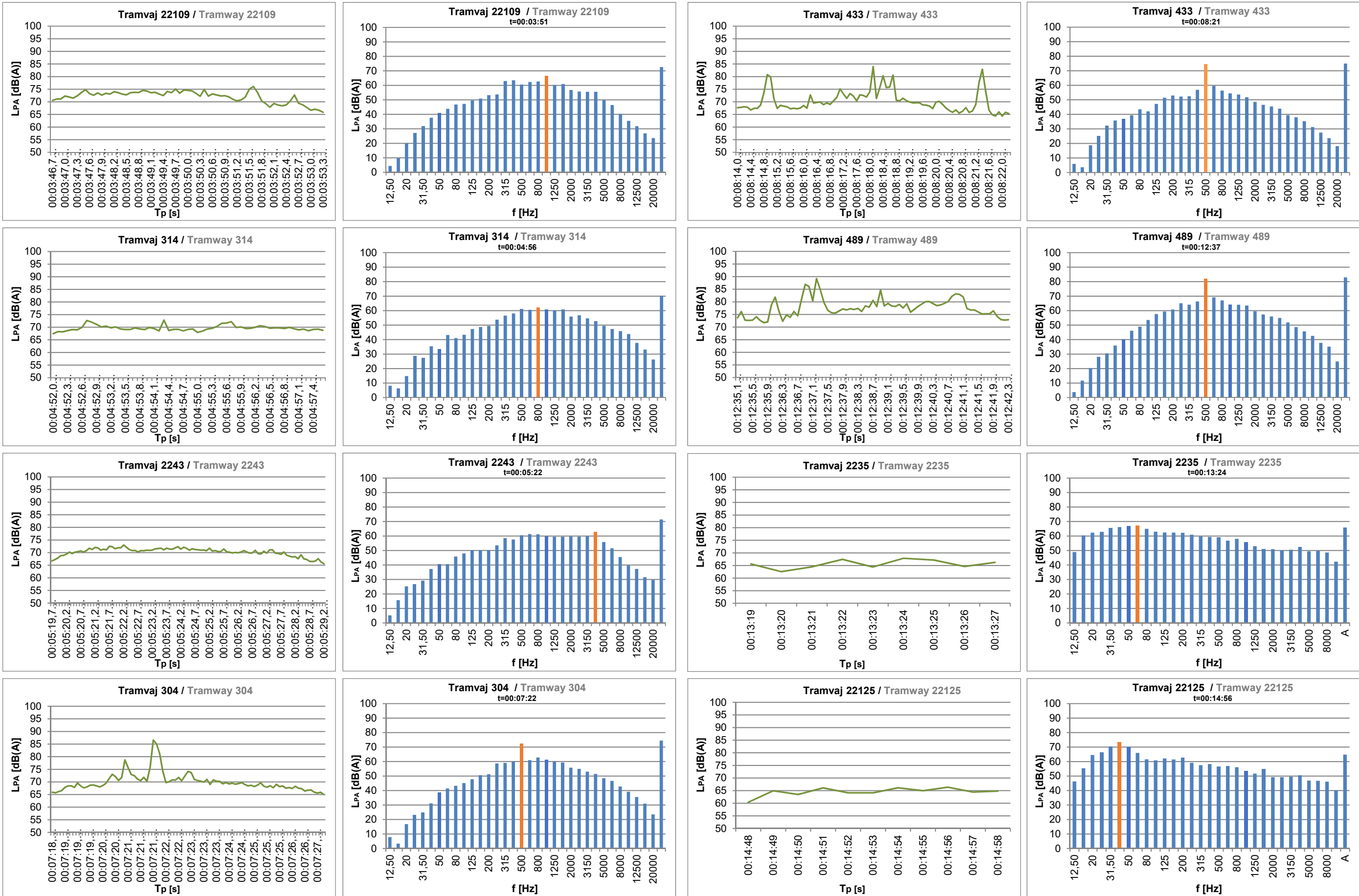
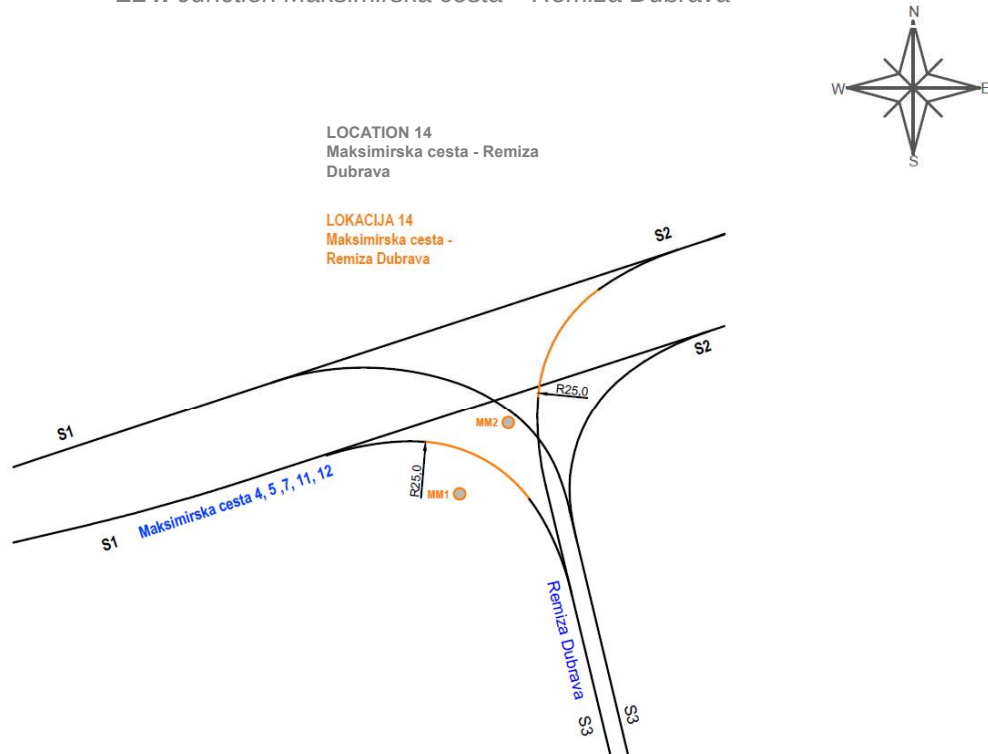
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L14: Raskrižje Maksimirska cesta – Remiza Dubrava

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L14: Junction Maksimirska cesta – Remiza Dubrava



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
14	Raskrižje / Junction	Remiza Dubrava	09.03.2019.	00:02:49	11,9	55	1020,7	1	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	L95 [dB(A)]	L95 [dB(A)]
1	S1 - S3	22109	8	NT 2200	32,00	6,5	17,7	75,2	72,6	72,6
2	S1 - S3	314	1	TMK 301	18,11	5,6	11,6	72,2	69,8	69,8
3	S1 - S3	2243	14	NT 2200	32,00	9,5	12,1	72,6	70,5	70,5
4	S1 - S3	304	13	TMK 301	18,11	8,6	7,6	84,7	73,2	73,2
5	S1 - S3	433	7	TMK 401	28,00	8,2	12,3	80,9	73,2	73,2
6	S1 - S3	489	7	TMK 401	28,00	7,2	14,0	87,7	79,5	79,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP		DEPP			4		

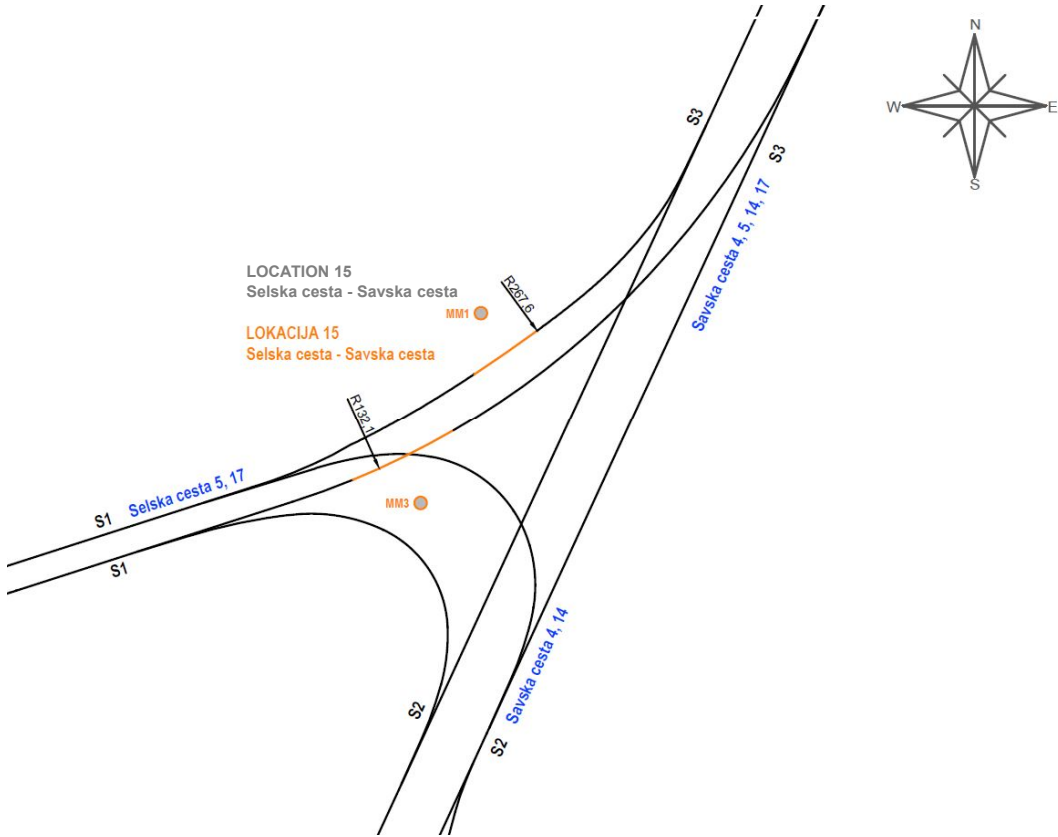
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
14	Raskrižje / Junction	Remiza Dubrava	09.03.2019.	00:03:03	11,9	55	1020,7	1	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	L95 [dB(A)]	L95 [dB(A)]
1	S2 - S3	2235	4	NT 2200	32,00	8,0	14,4	69,8	65,9	65,9
2	S2 - S3	22125	11	NT 2200	32,00	10,0	11,5	68,3	64,8	64,8
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP		DEPP			4		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L15: Raskrižje Selska cesta - Savska cesta

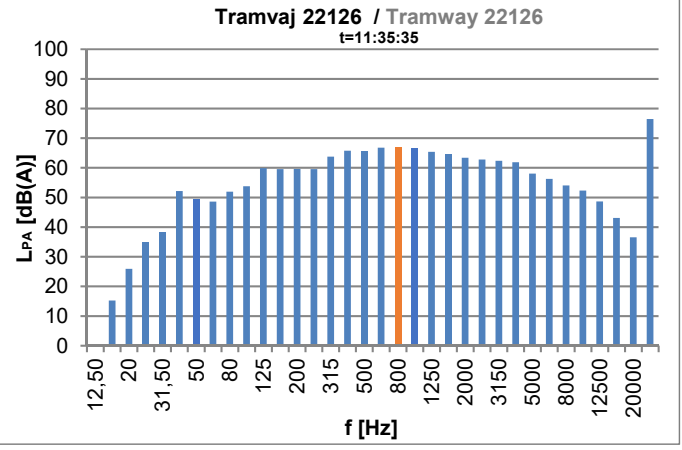
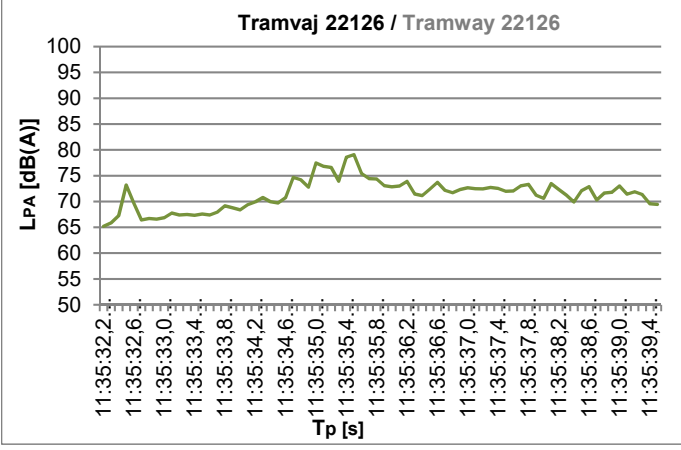
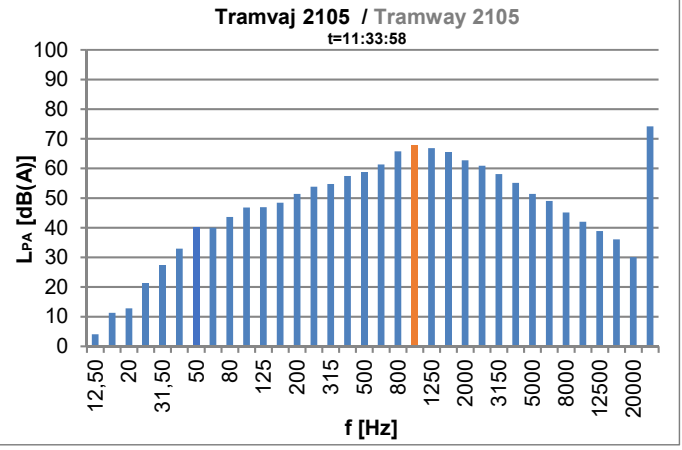
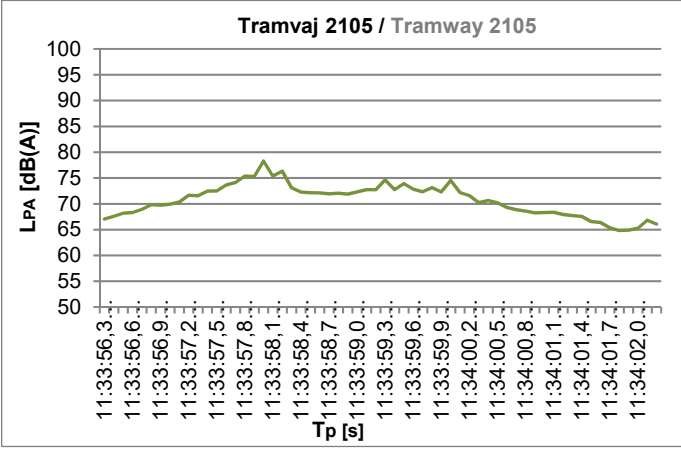
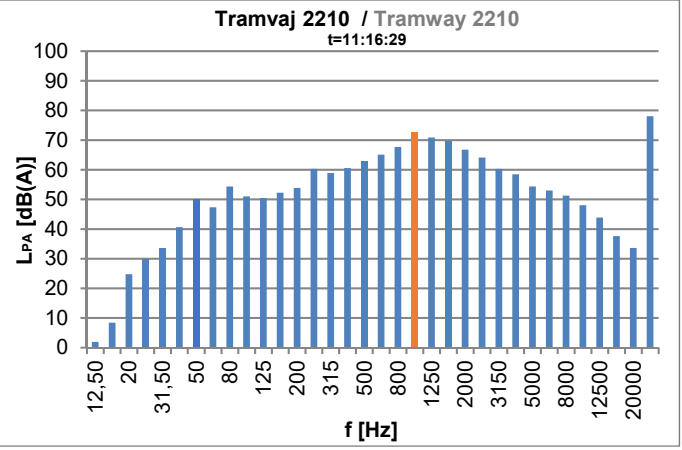
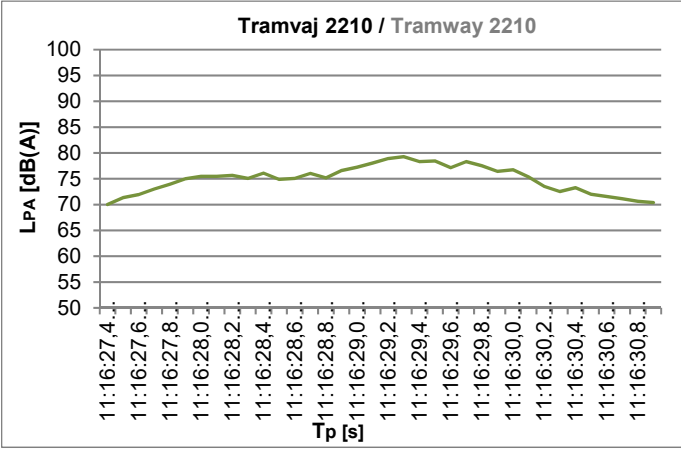
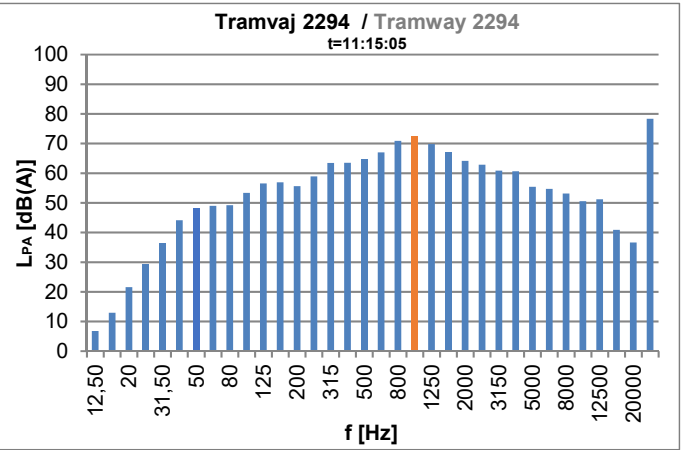
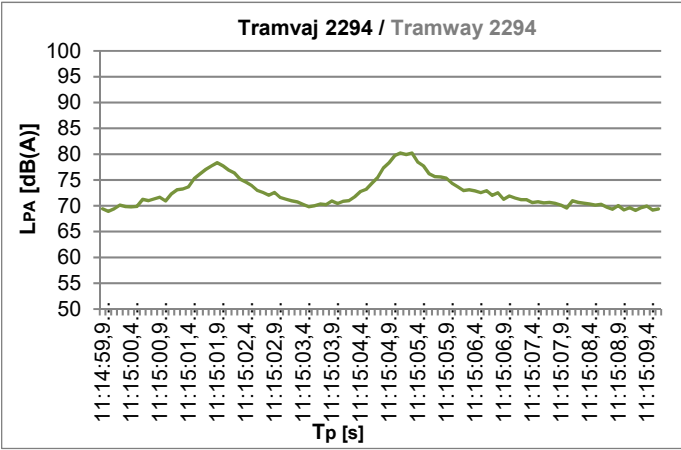
Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L15: Junction Selska cesta - Savska cesta



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure- ment date	Početak mjerenja / Measure- ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetro [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
15	Raskrižje / Junction	Selska cesta - Savska cesta	3.1.2019	11:09:31	1,2	38	1029	3,2	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S3 - S1	2294	17	NT 2200	32,00	9,7	55,1	11,8	80,0	73,8
2	S3 - S1	2210	5	NT 2200	32,00	3,5	55,1	33,3	79,0	75,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expt. period [years]		
267,6			CP		DEPP			10		

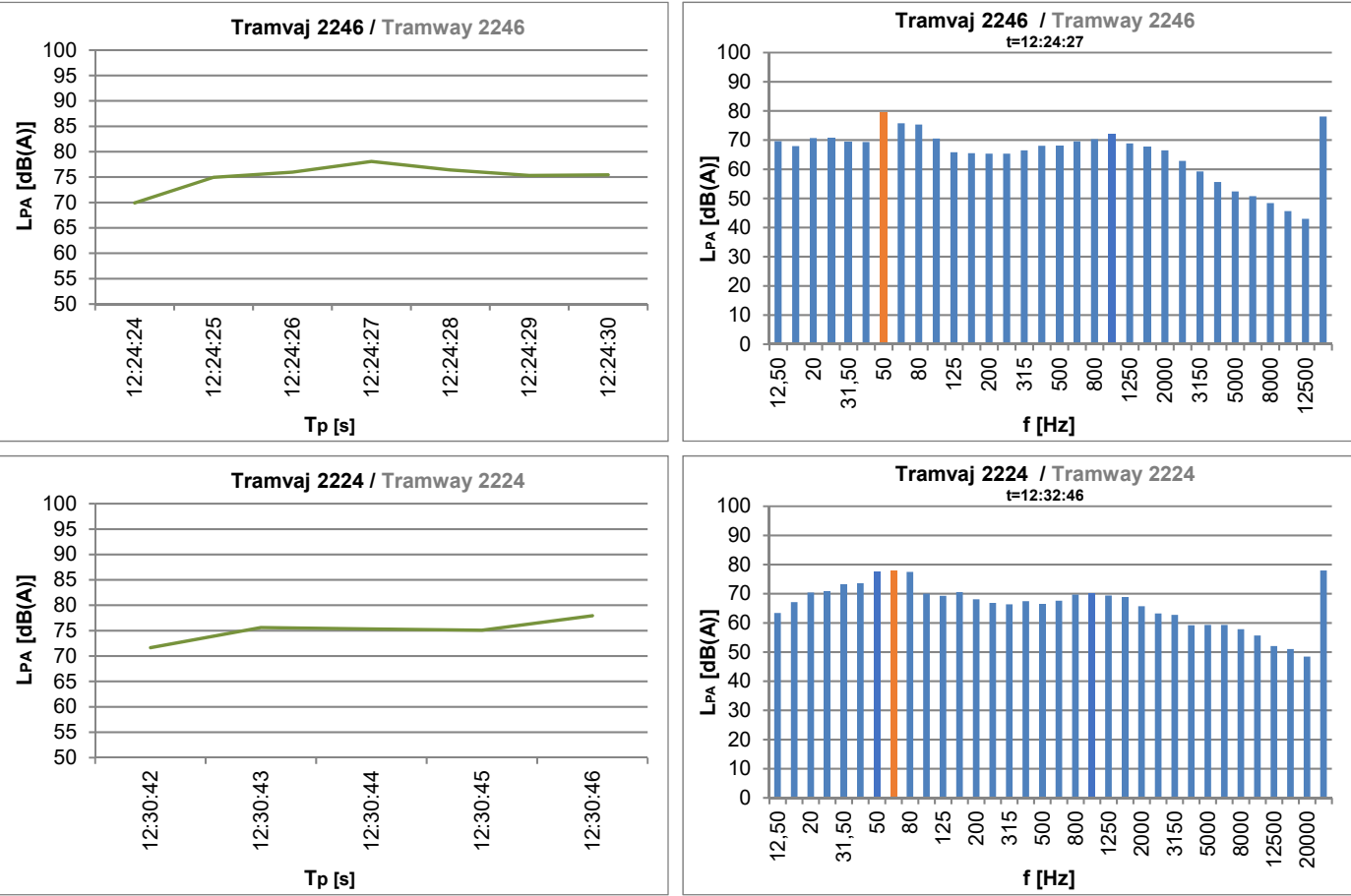
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure- ment date	Početak mjerenja / Measure- ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetro [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
15	Raskrižje / Junction	Selska cesta - Savska cesta	3.1.2019	11:30:20	1,2	38	1029	3,2	B&K 2270	MM3
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S1 - S3	2105	5	TMK 2100	27,30	6,2	61,3	15,9	77,0	71,8
2	S1 - S3	22126	17	NT 2200	32,00	7,1	61,3	16,3	78,5	72,4
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expt. period [years]		
132,1			CP		DEPP			10		



Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

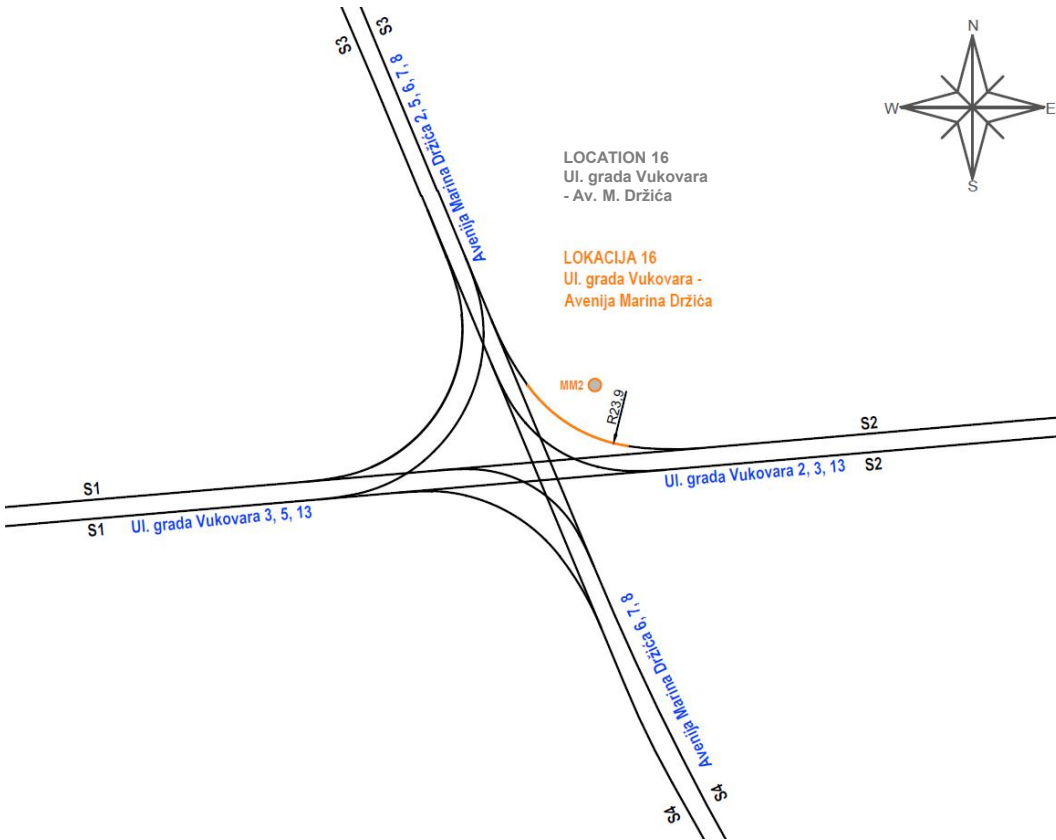
L16: Raskrižje Ul. grada Vukovara - Av. M. Držića



Annex 7.3. Results of noise measurements for tramway pass-by test

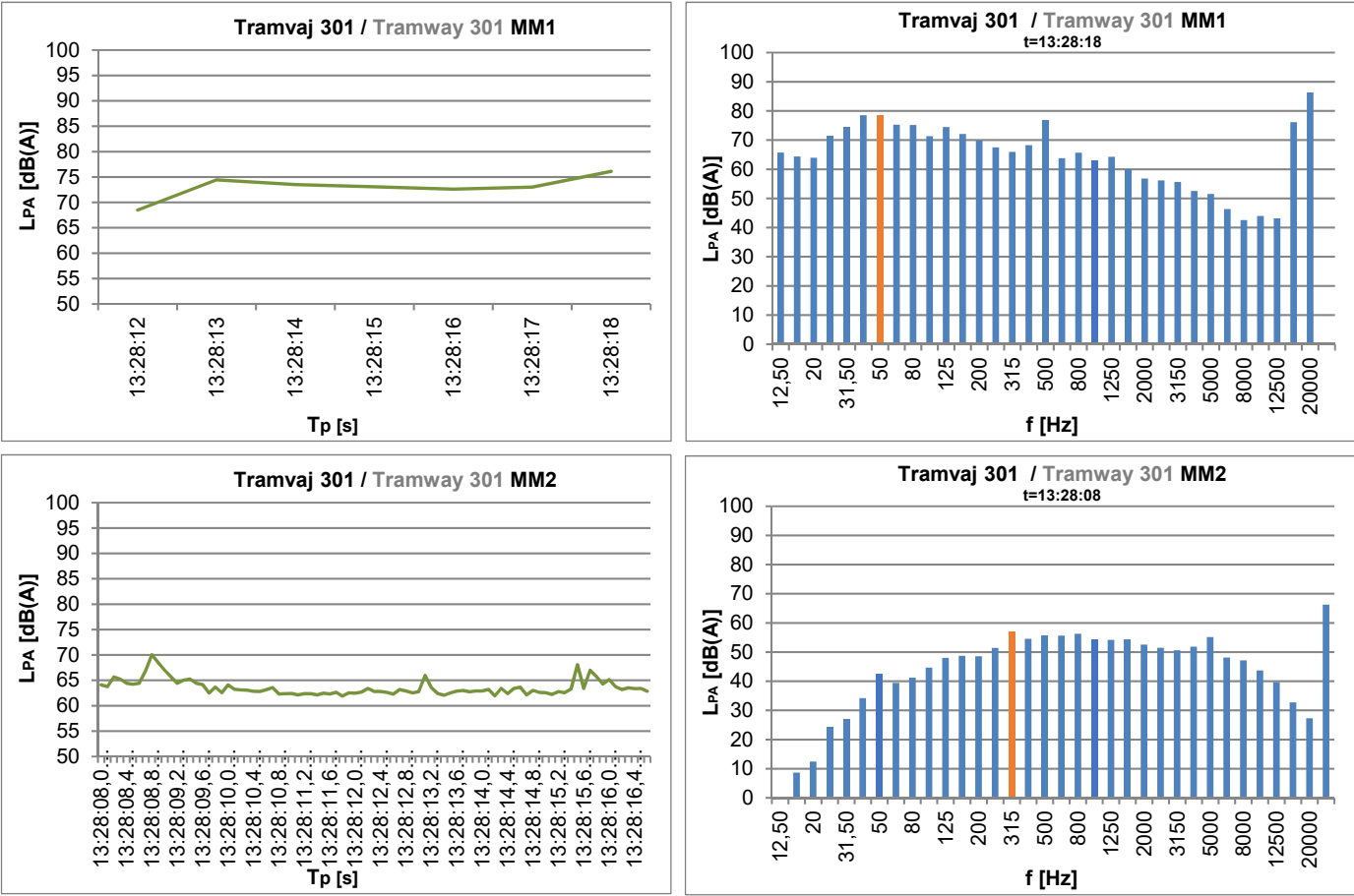
Location of curves with small radii, position of mesuring points and noise measurement results

L16: Junction Ul. grada Vukovara - Av. M. Držića



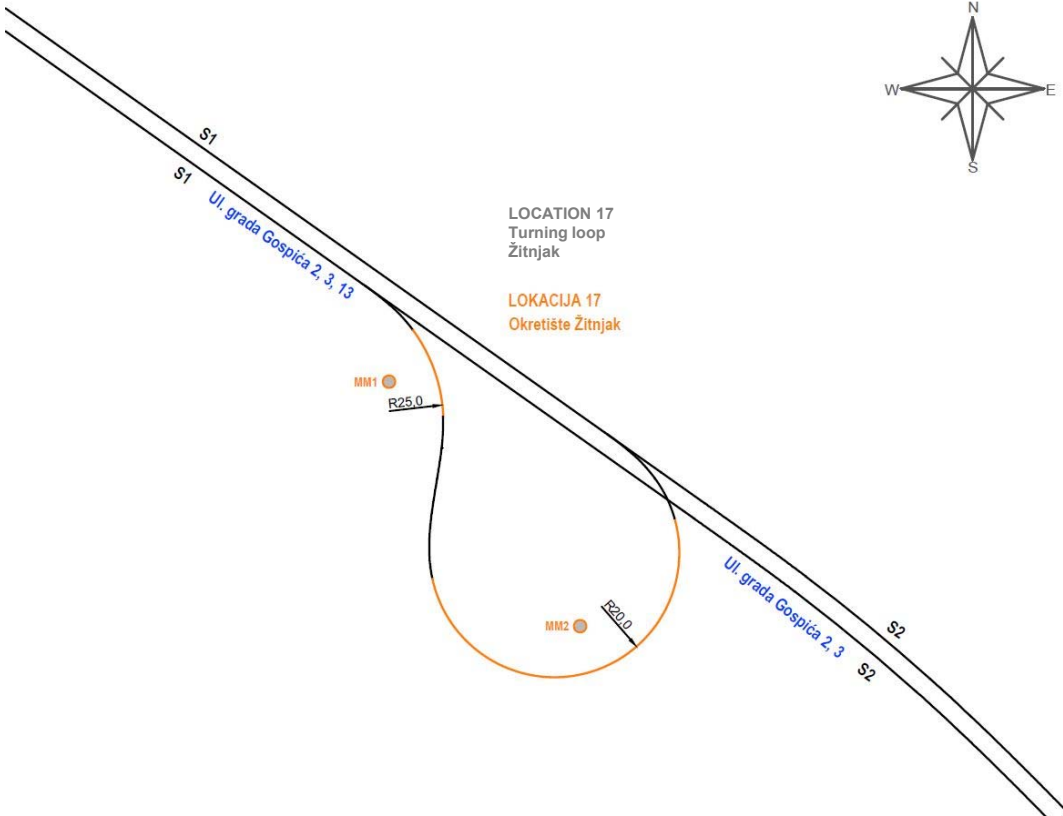
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
16	Raskrižje / Junction	Ul. g. Vukovara - Av. M. Držića	3.1.2019	12:22:40	1,2	38	1029	3,2	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S2 - S3	2246	2	NT 2200	32,00	5,4	64,6	21,3	79,9	75,7
2	S2 - S3	2224	2	NT 2200	32,00	4,1	64,6	28,1	79,0	75,6
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expt. period [years]		
23,9			CP		ZG-3/2			9		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke
L17: Okretište Žitnjak



Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L17: Turning loop Žitnjak



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
17	Okretište / Turning loop	Žitnjak	3.1.2019	13:27:19	1,2	38	1029	3,2	B&K 2260	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	301	13	TMK 301	18,11	5,3	53,5	12,3	80,5	73,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			VT		ZG-3/1			15		

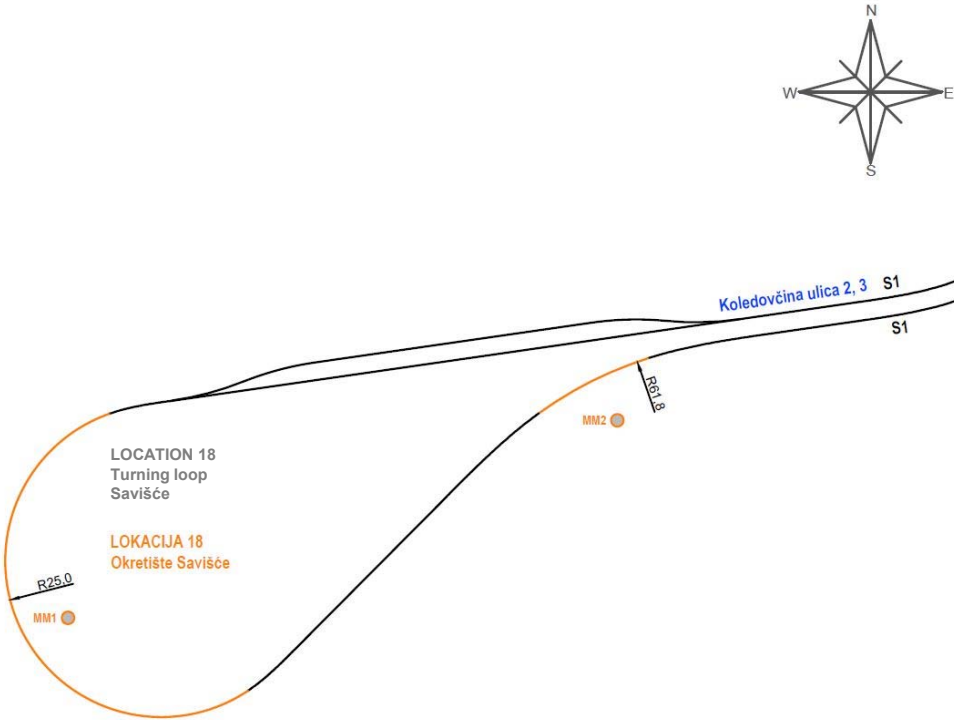
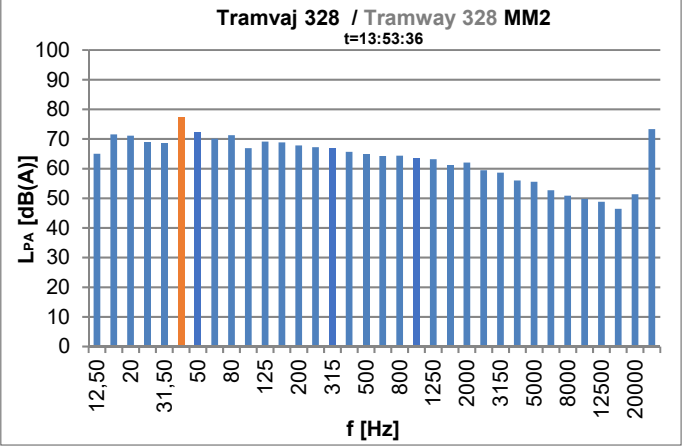
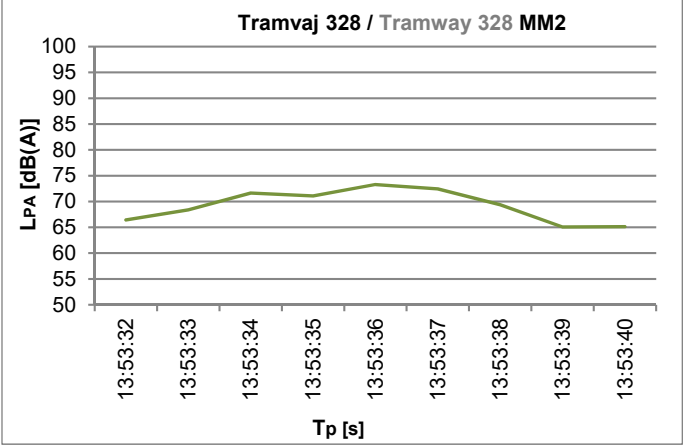
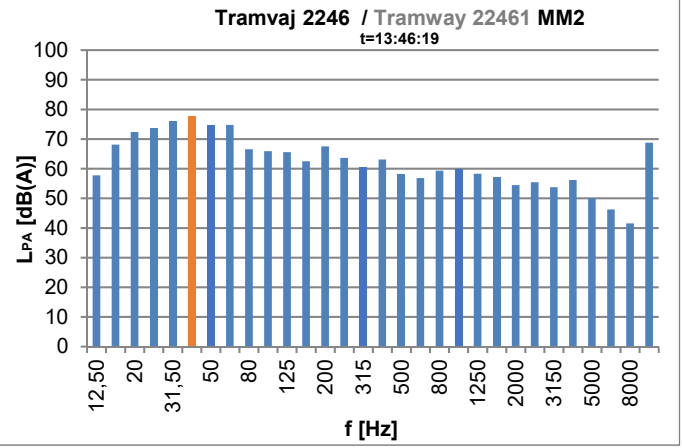
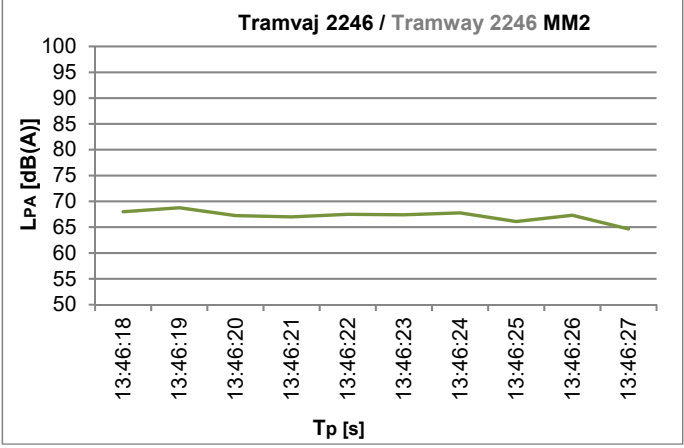
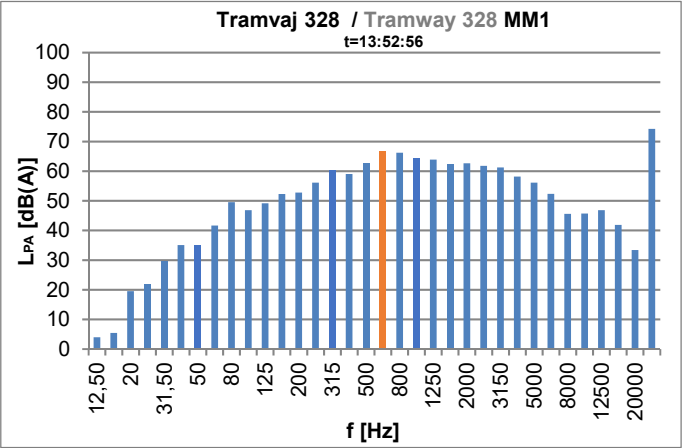
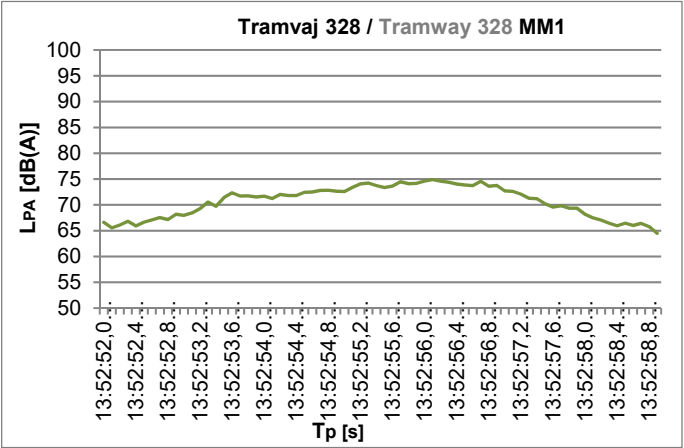
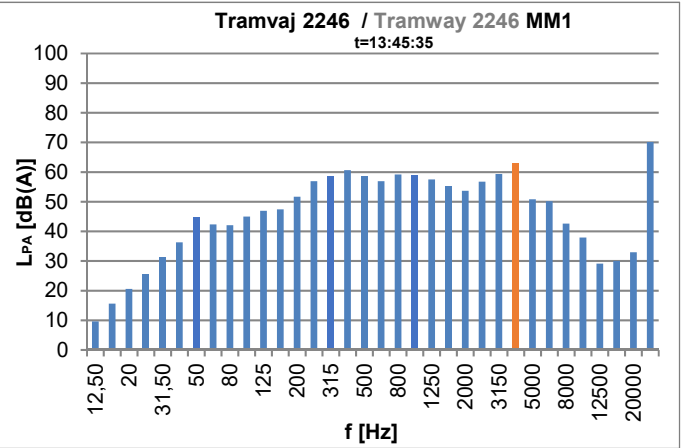
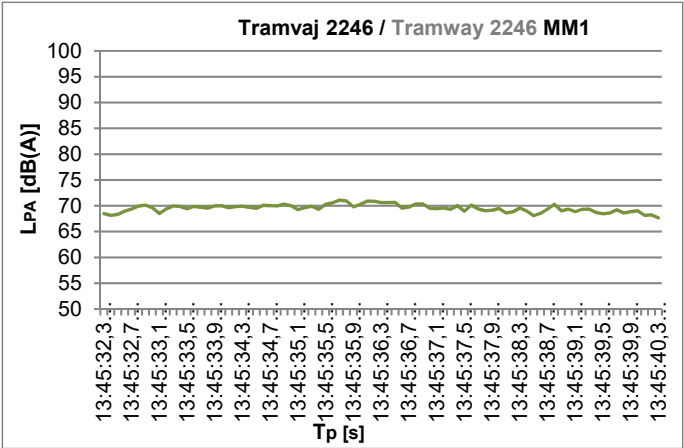
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
17	Okretište / Turning loop	Žitnjak	3.1.2019	13:27:03	1,2	38	1029	3,2	B&K 2270	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	301	13	TMK 301	18,11	8,6	52,1	7,6	68,5	63,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
20,0			VT		ZG-3/1			15		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L18: Okretište Savišće

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L18: Turning loop Savišće



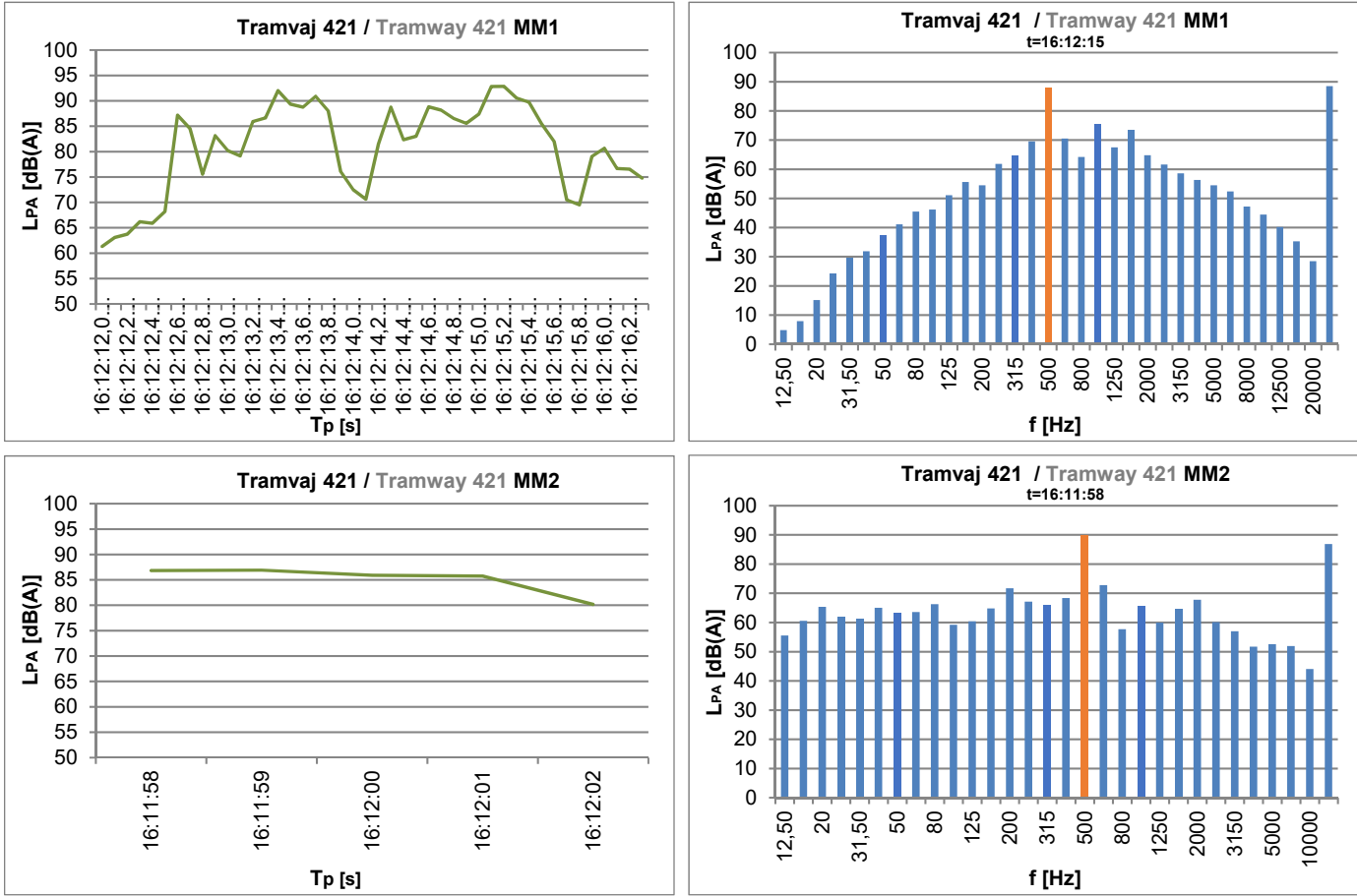
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
18	Okretište / Turning loop	Savišće	3.1.2019	13:42:25	1,2	38	1029	3,2	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd. br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	2246	2	NT 2200	32,00	8,0	49,1	14,4	70,8	69,6
2	S1 - S1	328	3	TMK 301	18,11	6,1	49,1	10,8	74,3	71,6
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure			Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]	
25,0			VT			ZG-3/1			16	

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
18	Okretište / Turning loop	Savišće	3.1.2019	13:42:00	1,2	38	1029	3,2	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd. br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	2246	2	NT 2200	32,00	9,0	55,3	12,8	70,5	67,3
2	S1 - S1	328	3	TMK 301	18,11	8,0	55,3	8,1	75,1	70,1
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure			Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]	
61,8			VT			ZG-3/1			16	

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

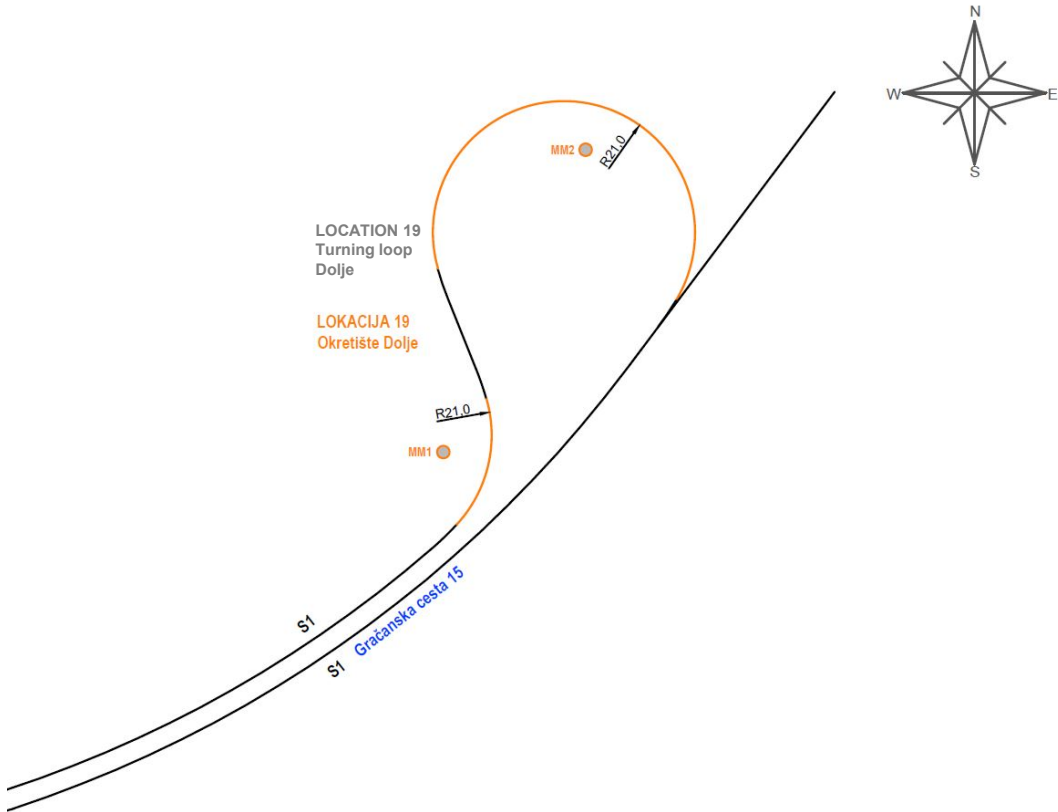
L19: Okretište Dolje



Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L19: Turning loop Dolje



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
19	Okretište / Turning loop	Dolje	17.01.2019.	16:09:09	11,2	60	1012,2	3,1	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	421	15	TMK 401	14,00	4,4	56,5	11,6	92,2	86,1
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
21,0			VT		TUC			1		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
19	Okretište / Turning loop	Dolje	17.01.2019.	16:06:55	11,2	60	1012,2	3,1	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	421	15	TMK 401	28,00	4,0	49,1	25,2	90,8	85,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
21,0			VT		TUC			1		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

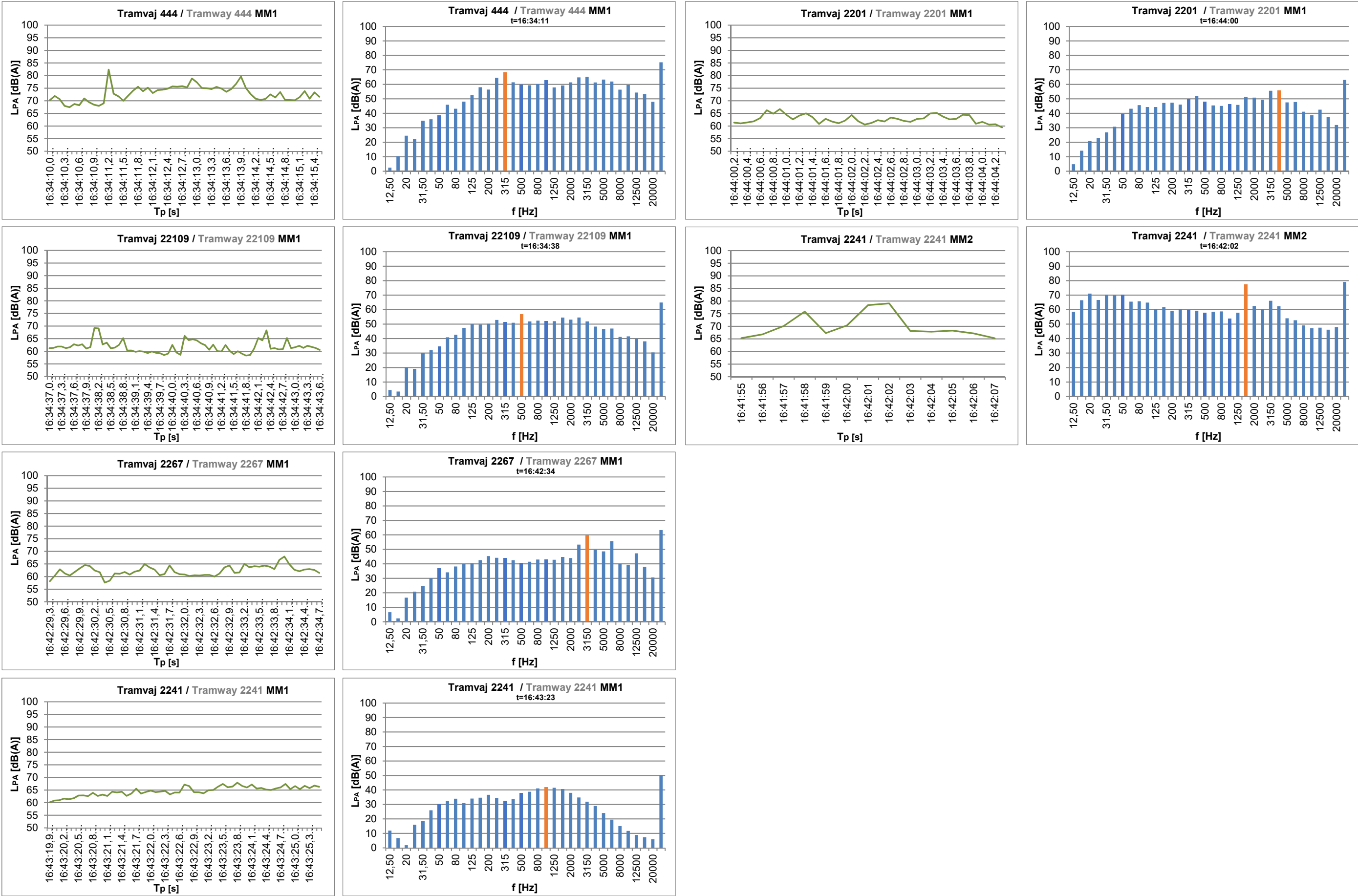
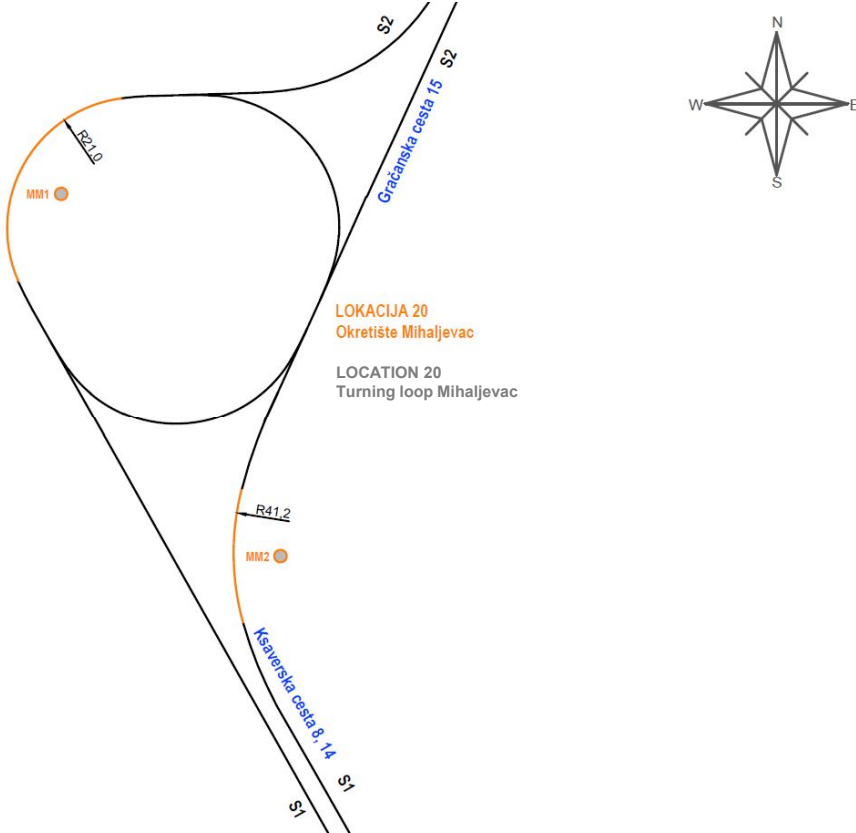
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L20: Okretište Mihaljevac

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L20: Turning loop Mihaljevac



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
20	Okretište / Turning loop	Mihaljevac	17.01.2019.	16:31:28	11,2	60	1012,2	3,1	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S2	444	15	TMK 401	14,00	5,5	53,3	9,2	80,3	74,1
2	S1 - S1	22109	14	NT 2200	32,00	6,6	53,3	17,6	88,3	82,6
3	S1 - S1	2267	14	NT 2200	32,00	5,4	53,3	21,4	87,1	82,7
4	S1 - S1	2241	14	NT 2200	32,00	5,5	53,3	21,0	86,2	85,0
5	S1 - S1	2201	8	NT 2200	32,00	4,1	53,3	28,0	86,0	83,1
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
21,0			VT		TUC			14		
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
20	Okretište / Turning loop	Mihaljevac	17.01.2019.	16:32:04	11,2	60	1012,2	3,1	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	2241	14	NT 2200	32,00	11,9	54,6	9,7	82,8	72,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
41,2			VT		TUC			22		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

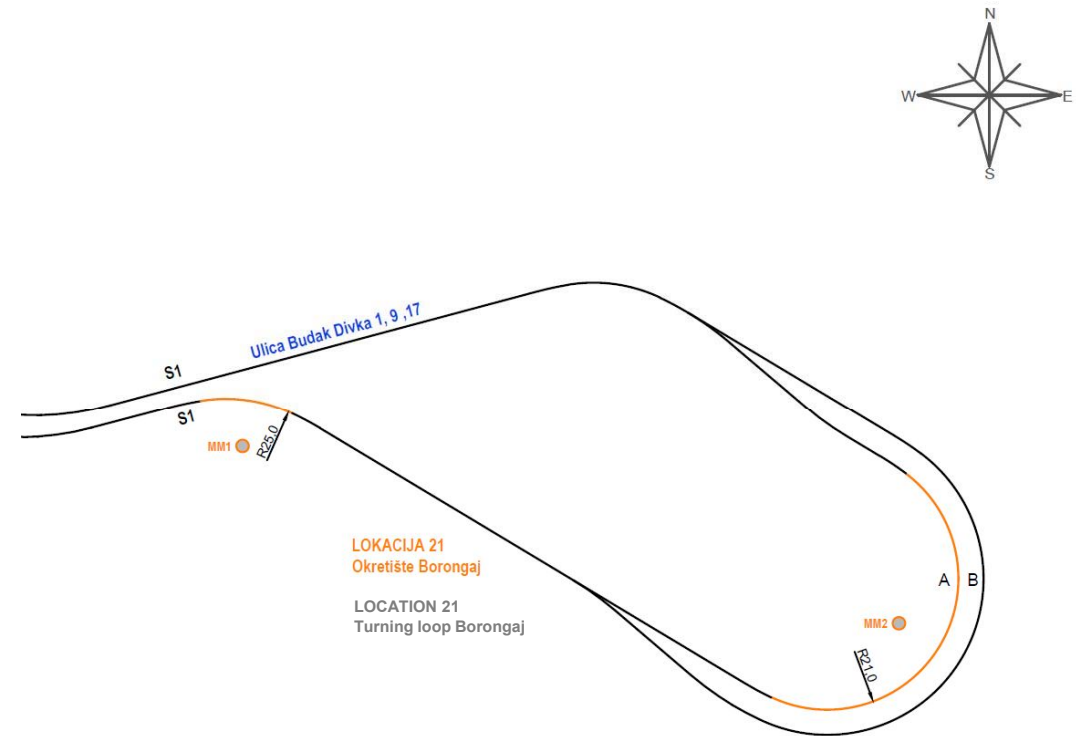
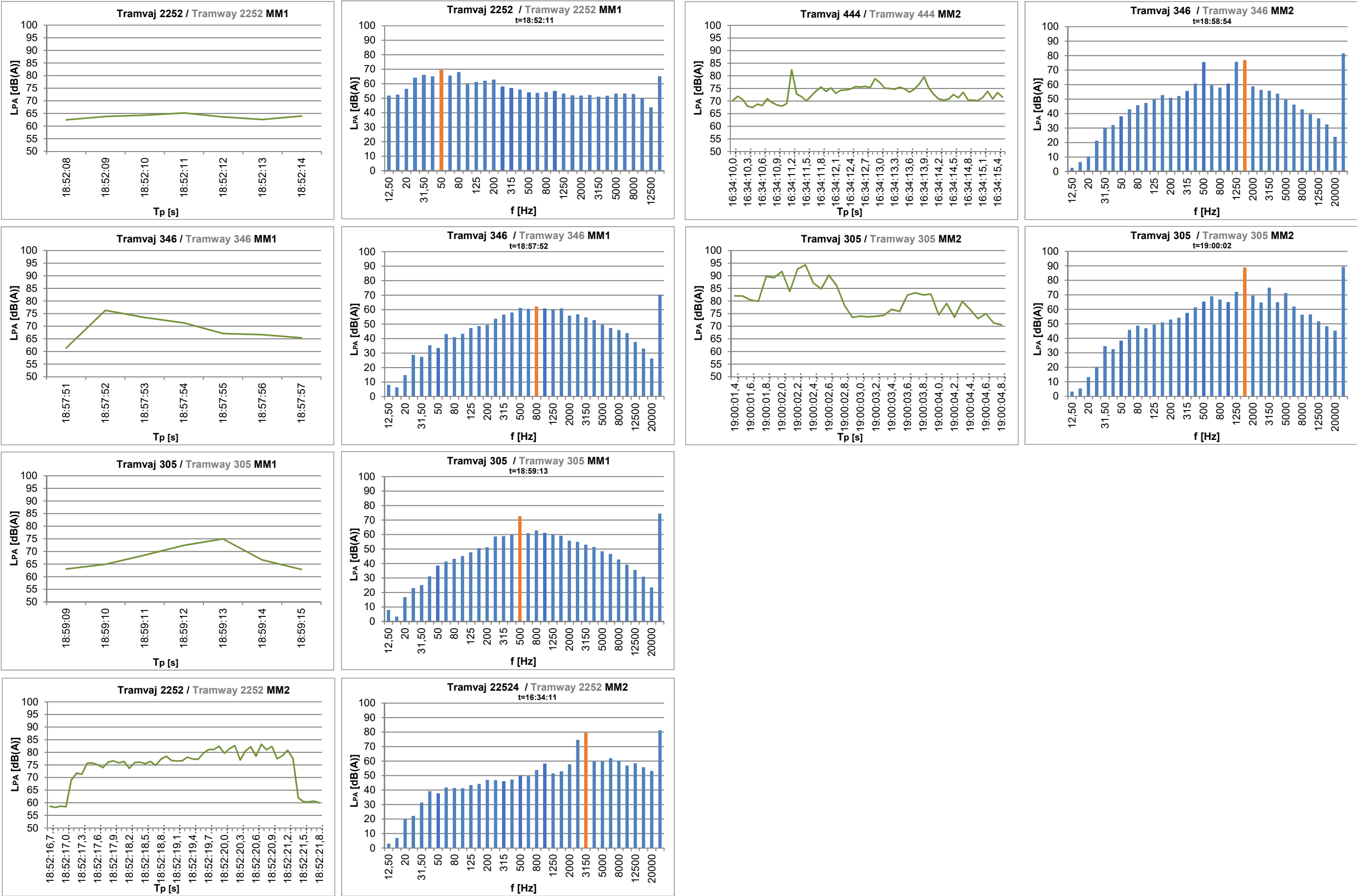
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L21: Okretište Borongaj

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L21: Turning loop Borongaj



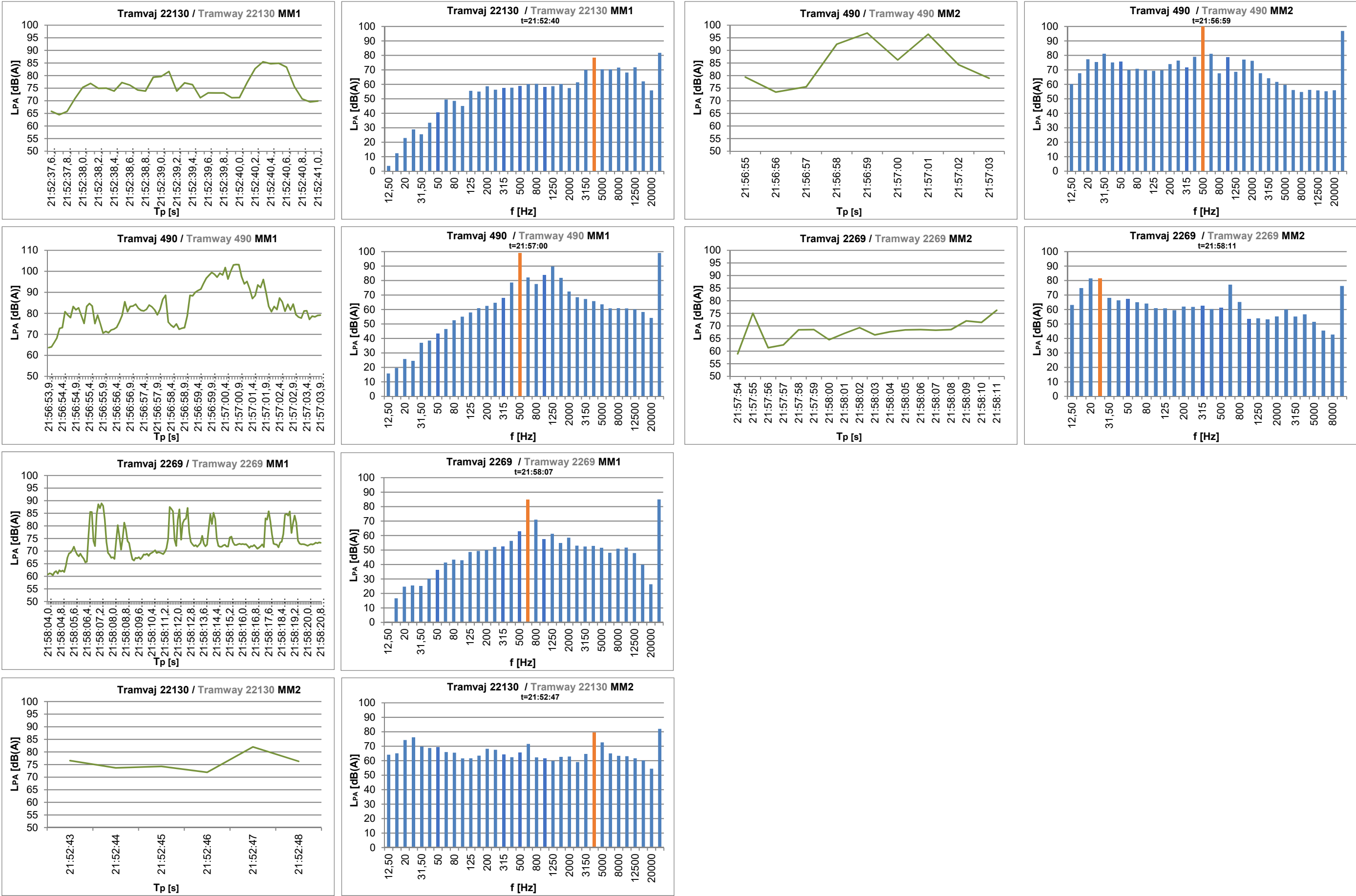
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
21	Okretište / Turning loop	Borongaj	17.01.2019.	18:51:00	11,2	60	1012,2	3,1	B&K 2260	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - A - S1	2252	17	NT 2200	32,00	7,0	54,4	16,5	65,9	63,8
2	S1 - A - S1	346	9	TMK 301	18,11	7,1	54,4	9,2	79,0	71,2
3	S1 - A - S1	305	1	TMK 301	18,11	6,3	54,4	10,3	80,0	69,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			VT		TUC			12		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
21	Okretište / Turning loop	Borongaj	17.01.2019.	18:51:00	11,2	60	1012,2	3,1	B&K 2270	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - A - S1	2252	17	NT 2200	32,00	5,1	56,2	22,6	81,9	77,8
2	S1 - A - S1	346	9	TMK 301	18,11	4,3	56,2	15,1	95,7	88,0
3	S1 - A - S1	305	1	TMK 301	18,11	3,4	56,2	19,3	93,3	85,4
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
21,0			VT		TUC			12		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

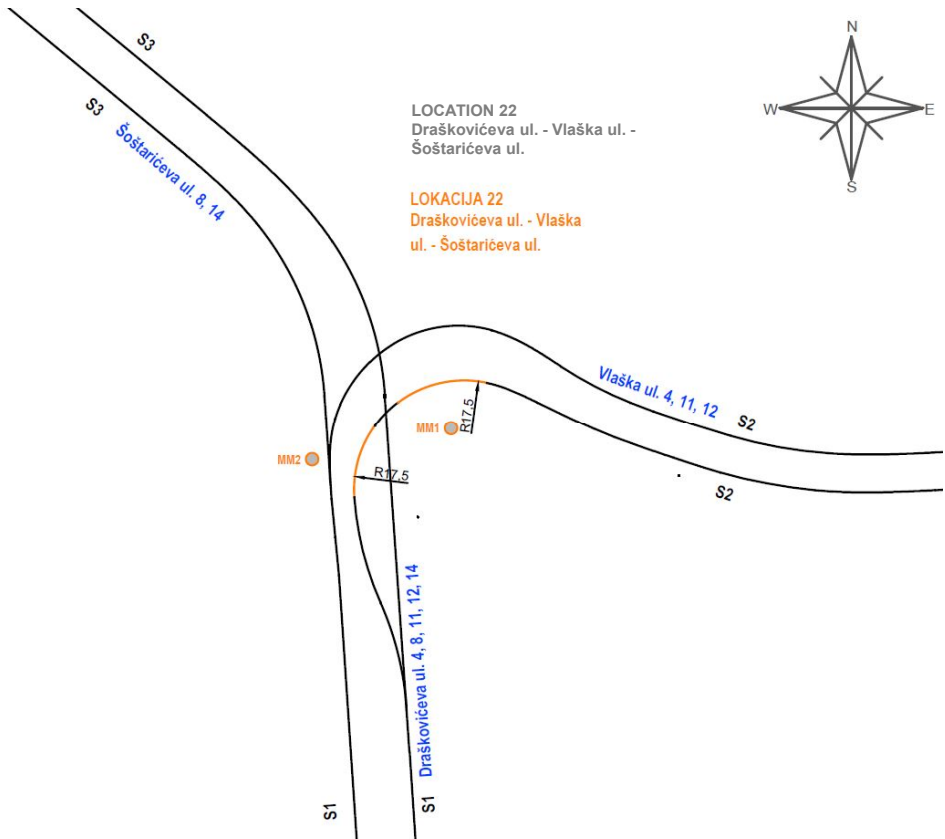
L22: Raskrižje Draškovićeva ul. - Vlaška ul. - Šošarićeva ul.



Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L22: Junction Draškovićeva ul. - Vlaška ul. - Šošarićeva ul.



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
22	Raskrižje / Junction	Draškovićeva ul. - Vlaška ul. - Šošarićeva ul.	17.01.2019.	21:47:17	11,2	60	1012,2	3,1	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S1 - S2	22130	12	NT 2200	32,00	3,4	60,7	33,6	83,8	78,3
2	S1 - S2	490	4	TMK 401	28,00	7,9	60,7	12,7	102,7	92,5
3	S1 - S2	2269	11	NT 2200	32,00	16,8	60,7	6,9	88,2	78,8
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure			Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]	
17,5			CP			ZG-3/2			13	

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
22	Raskrižje / Junction	Draškovićeva ul. - Vlaška ul. - Šošarićeva ul.	17.01.2019.	21:47:17	11,2	60	1012,2	3,1	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S1 - S2	22130	12	NT 2200	32,00	3,4	57,5	33,6	86,9	77,2
2	S1 - S2	490	4	TMK 401	28,00	7,9	57,5	12,7	101,2	91,2
3	S1 - S2	2269	11	NT 2200	32,00	16,8	57,5	6,9	79,5	69,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure			Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]	
17,5			CP			ZG-3/2			13	

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

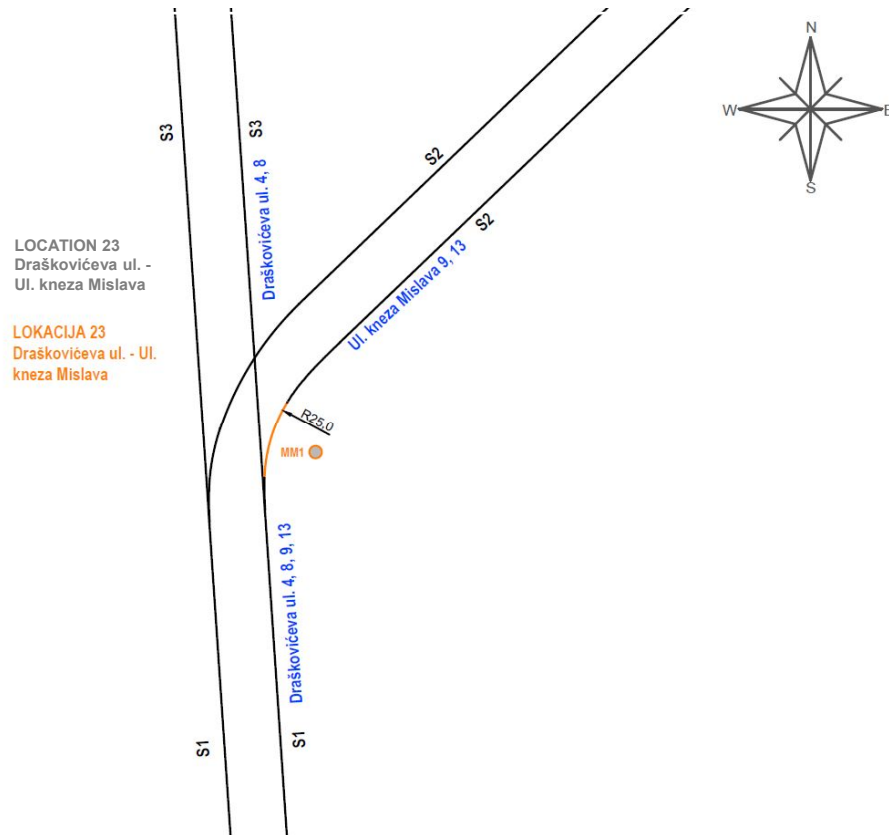
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L23: Raskrižje Draškovićeve ul. - Ul. kneza Mislava

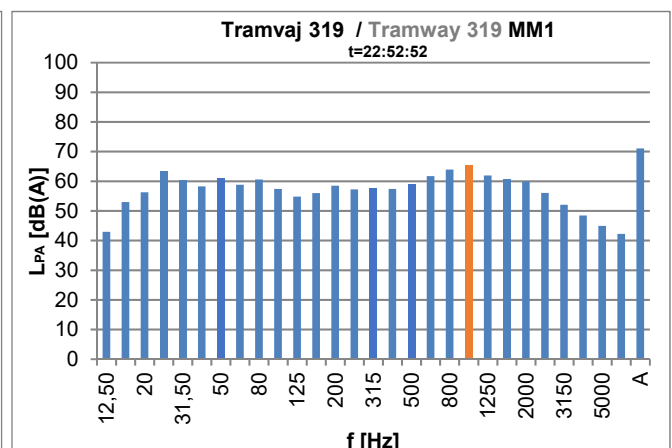
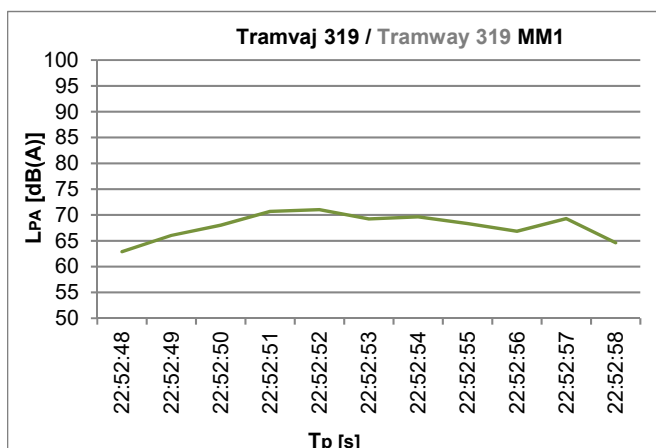
Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of measuring points and noise measurement results

L23: Junction Draškovićeve ul. - Ul. kneza Mislava



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
23	Raskrižje / Junction	Draškovićeve ul. - Ul. k. Mislava	17.01.2019.	22:41:42	10	67	1011,4	2	B&K 2260	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S3	319	13	TMK 301	18,11	9,0	54,7	7,2	72,8	68,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure			Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]	
25,0			CP			DEPP			20	



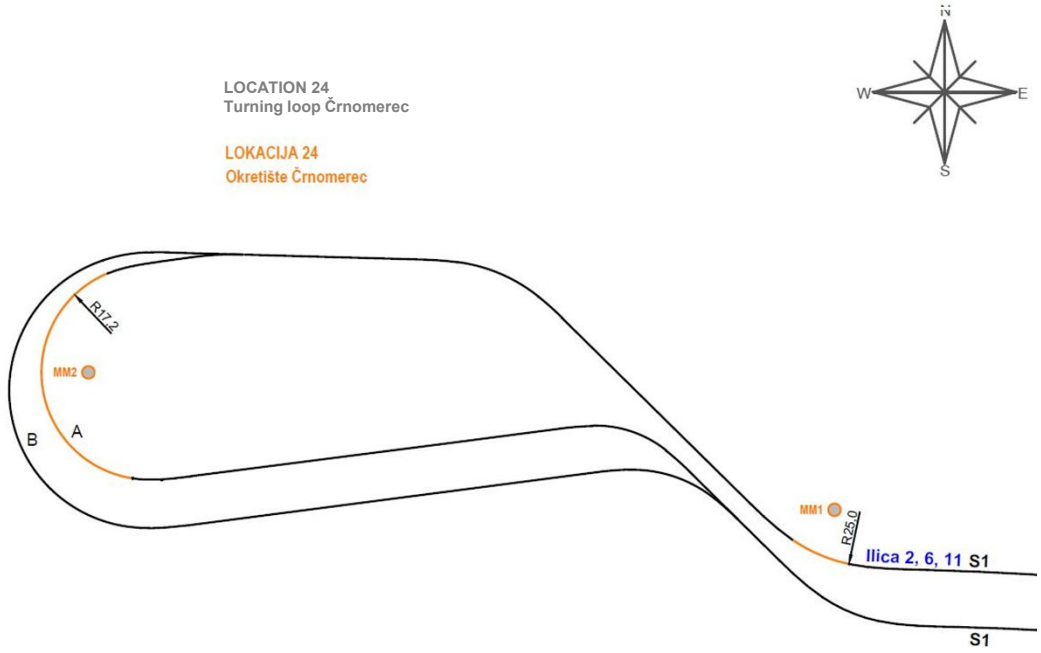
Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L24: Okretište Črnomerec

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L24: Turning loop Črnomerec



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
24	Okretište / Turning loop	Črnomerec	06.03.2019.	18:38:51	14,8	38	1015,2	3,8	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - B - S1	2241	11	NT 2200	32,00	8,4	58,1	13,7	71,3	69,7
2	S1 - A - S1	2232	2	NT 2200	32,00	8,0	58,1	14,4	73,5	71,8
3	S1 - A - S1	2221	6	NT 2200	32,00	9,2	58,1	12,5	72,3	70,3
4	S1 - A - S1	229	2	TMK 201	26,60	12,5	58,1	7,7	73,3	69,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP		DEPP			7		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
24	Okretište / Turning loop	Črnomerec	06.03.2019.	18:39:09	14,8	38	1015,2	3,8	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - A - S1	2238	2	NT 2200	32,00	21,0	54,3	5,5	85,4	66,6
2	S1 - A - S1	2221	6	NT 2200	32,00	13,0	54,3	8,9	62,8	59,7
3	S1 - A - S1	22103	11	NT 2200	32,00	11,0	54,3	10,5	71,4	66,1
4	S1 - A - S1	229	2	TMK 201	26,60	12,0	54,3	8,0	68,0	65,1
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
17,2			VT		ZG-3/2			17		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

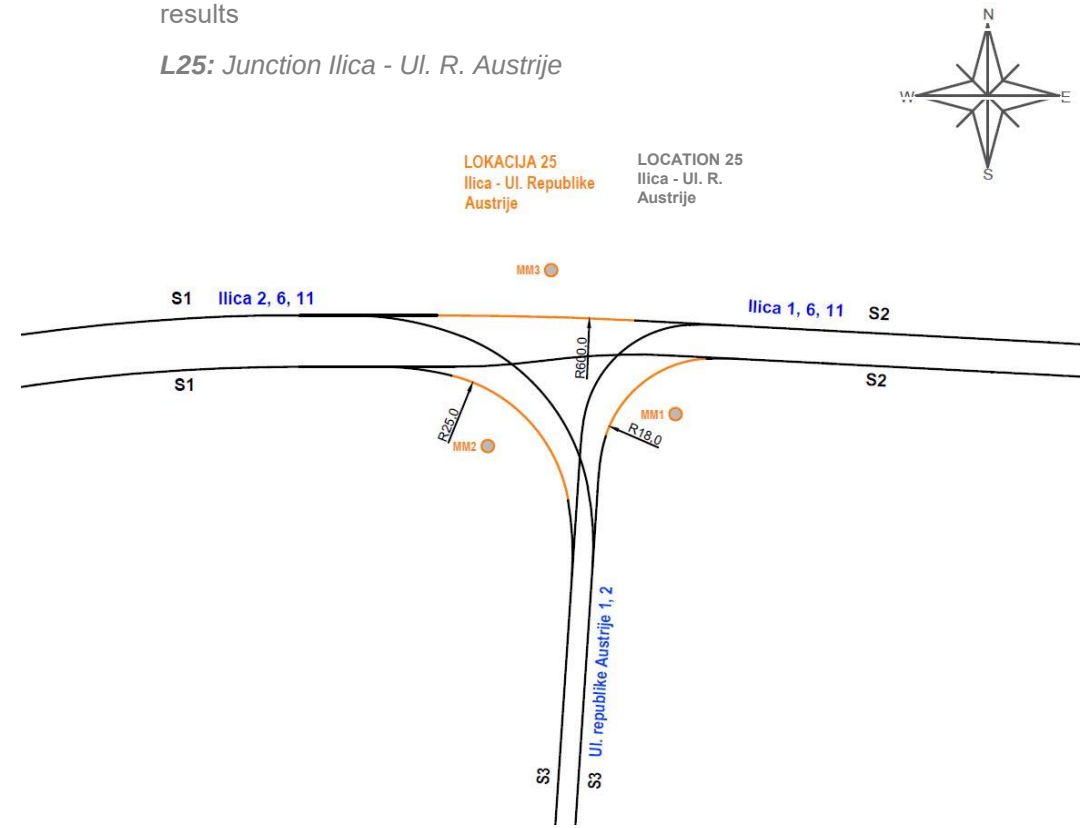
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L25: Raskrižje Ilica - Ul. R. Austrije

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L25: Junction Ilica - Ul. R. Austrije



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
25	Raskrižje / Junction	Ilica - Ul. R. Austrije	06.03.2019.	19:13:03	14,8	38	1011,2	3,5	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S3 - S2	332	1	TMK 301	18,11	6,3	57,3	10,3	88,0	77,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		DEPP			0		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
25	Raskrižje / Junction	Ilica - Ul. R. Austrije	06.03.2019.	19:13:24	14,8	38	1011,2	3,5	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S1 - S3	22136	11	NT 2200	32,00	7,3	55,6	15,8	68,4	66,6
2	S1 - S3	22106	2	NT 2200	32,00	10,7	55,6	10,8	66,5	75,6
3	S1 - S3	223	2	TMK 201	26,60	6,5	55,6	14,7	80,4	74,1
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP		DEPP			0		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
25	Raskrižje / Junction	Ilica - Ul. R. Austrije	06.03.2019.	19:30:50	14,8	38	1011,2	3,5	B&K 2270	MM3
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S2 - S1	453	6	TMK 401	28,00	5,7	59,8	17,7	86,3	82,7
2	S2 - S1	2262	11	NT 2200	32,00	5,4	59,8	21,3	81,3	78,5
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
600,0			CP		DEPP			0		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

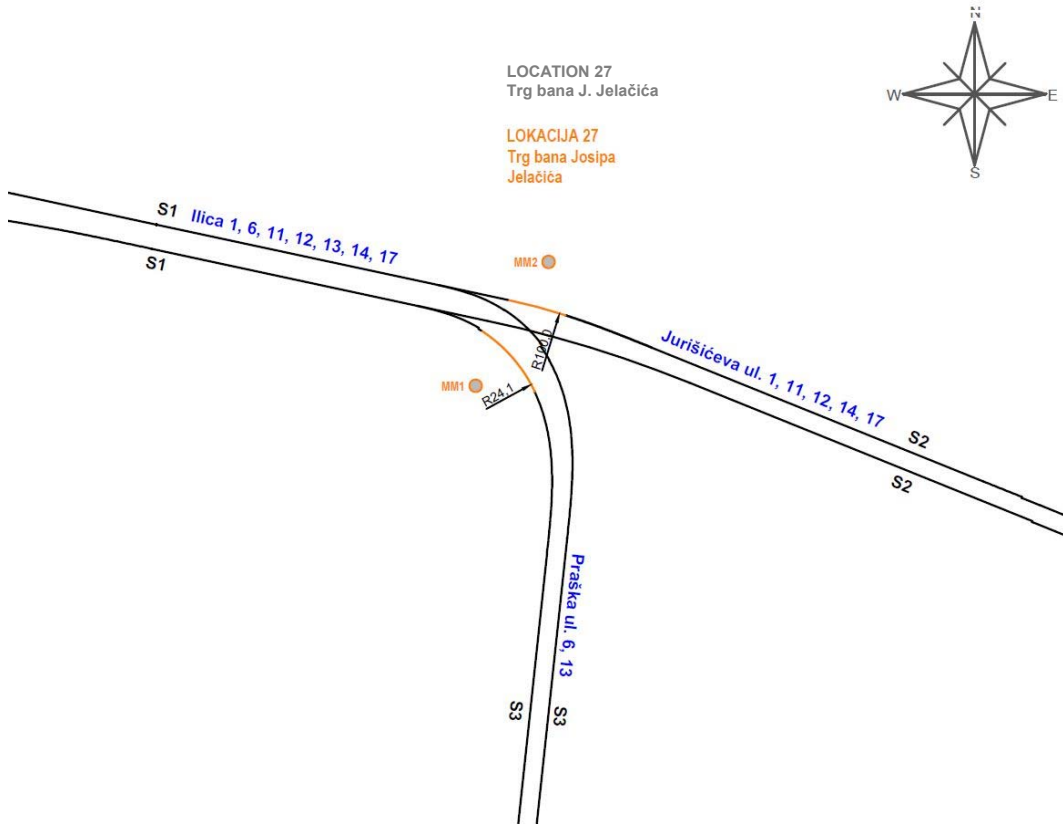
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L27: Raskrižje Trg bana J. Jelačića

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L27: Junction Trg bana J. Jelačića

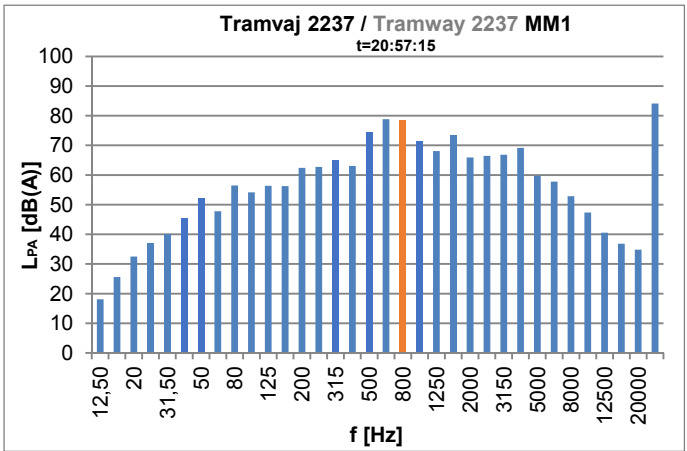
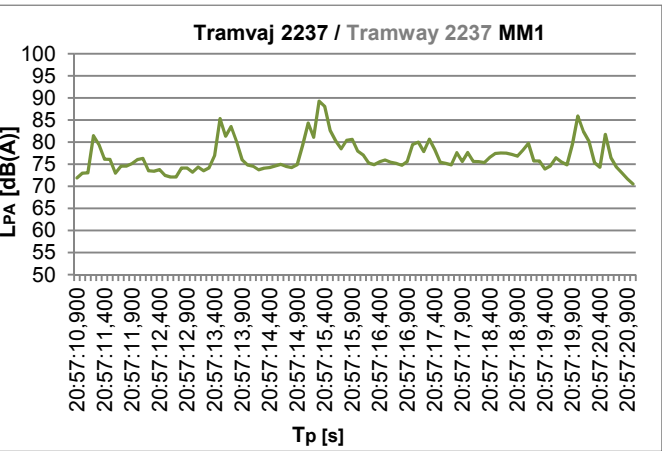
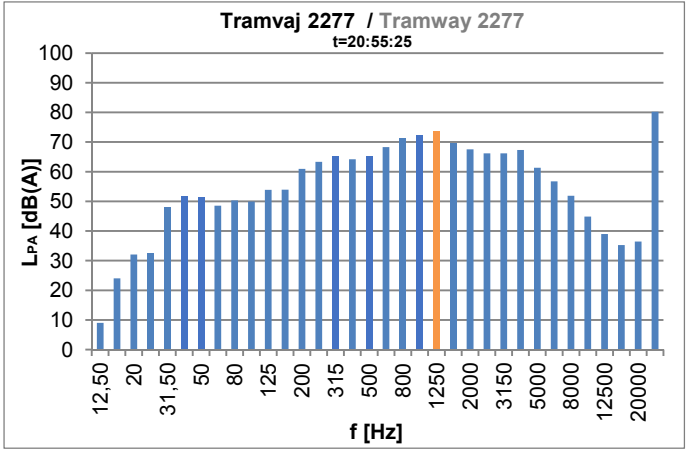
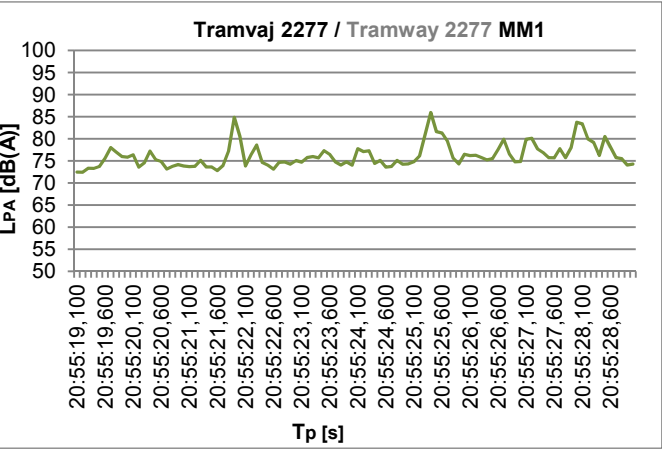


Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjorni uređaj / Measuring device	Mjerno mjesto / Measuring point
27	Raskrižje / Junction	Trg bana J. Jelačića	06.03.2019.	20:24:09	14,2	42	1015,4	4,5	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S1 - S3	2271	6	NT 2200	32,00	7,4	56,8	15,6	77,3	73,8
2	S1 - S3	2221	6	NT 2200	32,00	15,3	56,8	7,5	81,2	71,6
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
24,1			CP.VT		DEPP			20		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure- ment date	Početak mjerenja / Measure- ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerno uredaj / Measuring device	Mjerno mjesto / Measuring point
27	Raskrižje / Junction	Trg bana J. Jelačića	06.03.2019.	20:24:27	14,2	42	1015,4	4,5	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Garažni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAfmax [dB(A)]	LAeq [dB(A)]
1	S2 - S1	2285	17	NT 2200	32,00	4,9	56,1	23,5	78,7	76,0
2	S2 - S1	2212	11	NT 2200	32,00	7,8	56,1	14,8	80,2	72,5
3	S2 - S1	2226	17	NT 2200	32,00	6,0	56,1	19,2	76,9	74,4
4	S2 - S1	2219	14	NT 2200	32,00	9,9	56,1	11,6	75,5	71,1
5	S2 - S1	22126	12	NT 2200	32,00	6,8	56,1	16,9	78,3	74,0
6	S2 - S1	315	1	TMK 301	18,11	4,4	56,1	14,8	77,6	70,8
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
100,0			CP		ZG-3/2			24		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjeta [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
28	Raskrižje / Junction	Jurišićeva ul. - Drakovićeua ul. - Ul. F. Račkog	06.03.2019.	21:07:48	13,5	45	1015,4	5,4	B&K 2270	MM3
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S4 - S1	2270	12	NT 2200	32,00	22,0	52,5	5,2	82,7	73,5
2	S4 - S1	2269	11	NT 2200	32,00	11,1	52,5	10,4	79,3	72,8
3	S4 - S1	22109	14	NT 2200	32,00	12,6	52,5	9,1	84,8	72,1
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
50,0			CP		ZG-3/2 - IKOZIT			12		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjeta [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
28	Raskrižje / Junction	Jurišićeva ul. - Drakovićeua ul. - Ul. F. Račkog	06.03.2019.	21:08:06	13,5	45	1015,4	5,4	B&K 2260	MM4
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S1	22110	17	NT 2200	32,00	7,5	56,4	15,4	84,2	78,7
2	S2 - S1	308	1	TMK 301	18,11	8,0	56,4	8,1	80,0	71,4
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP		ZG-3/2 - IKOZIT			12		



Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

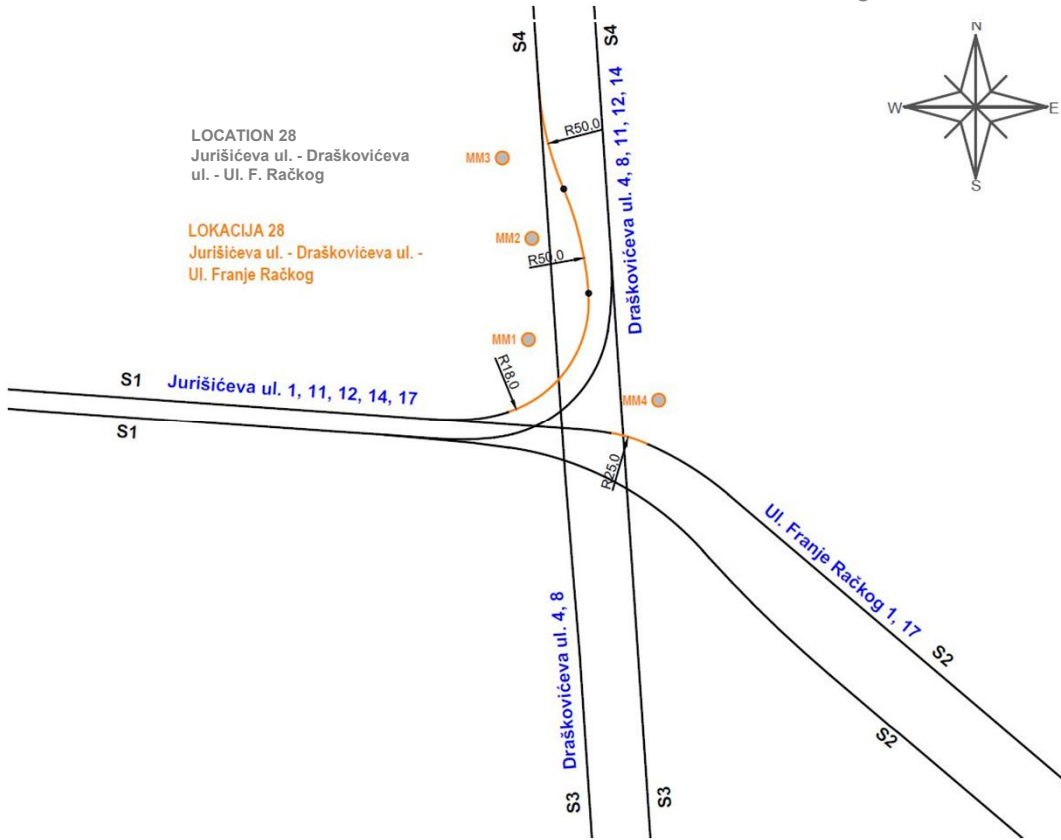
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L28: Raskrižje Jurišićeva ul. - Draškovićeua ul. - Ul. F. Račkog

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L28: Junction Jurišićeva ul. - Draškovićeua ul. - Ul. F. Račkog



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjeta [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
28	Raskrižje / Junction	Jurišićeva ul. - Drakovićeua ul. - Ul. F. Račkog	06.03.2019.	20:53:11	13,5	45	1015,4	5,4	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S4 - S1	2277	14	NT 2200	32,00	10,1	56,9	11,4	83,8	77,3
2	S4 - S1	2237	11	NT 2200	32,00	10,1	56,9	11,4	87,4	78,7
3	S4 - S1	2256	12	NT 2200	32,00	15,4	56,9	7,5	83,1	74,4
4	S4 - S1	2222	12	NT 2200	32,00	12,6	56,9	9,1	87,3	82,3
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		ZG-3/2 - IKOZIT			12		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjeta [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
28	Raskrižje / Junction	Jurišićeva ul. - Drakovićeua ul. - Ul. F. Račkog	06.03.2019.	20:53:31	13,5	45	1015,4	5,4	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S4 - S1	2277	14	NT 2200	32,00	10,1	57,8	11,4	75,3	70,4
2	S4 - S1	2237	11	NT 2200	32,00	10,1	57,8	11,4	75,9	70,8
3	S4 - S1	2256	12	NT 2200	32,00	15,4	57,8	7,5	87,5	74,6
4	S4 - S1	2222	12	NT 2200	32,00	12,6	57,8	9,1	78,3	71,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
50,0			CP		ZG-3/2 - IKOZIT			12		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

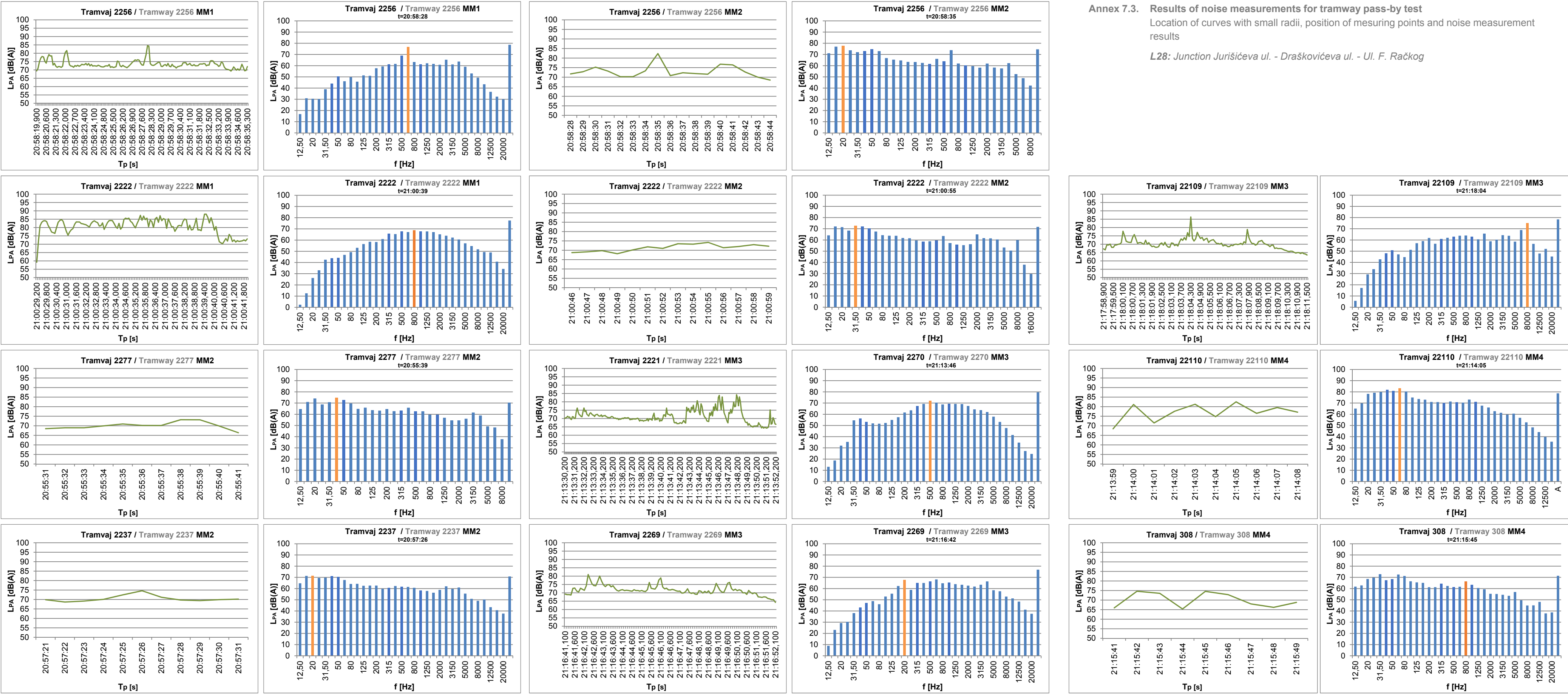
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L28: Raskrižje Jurišićeva ul. - Draškovićeva ul. - Ul. F. Račkog

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L28: Junction Jurišićeva ul. - Draškovićeva ul. - Ul. F. Račkog



Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

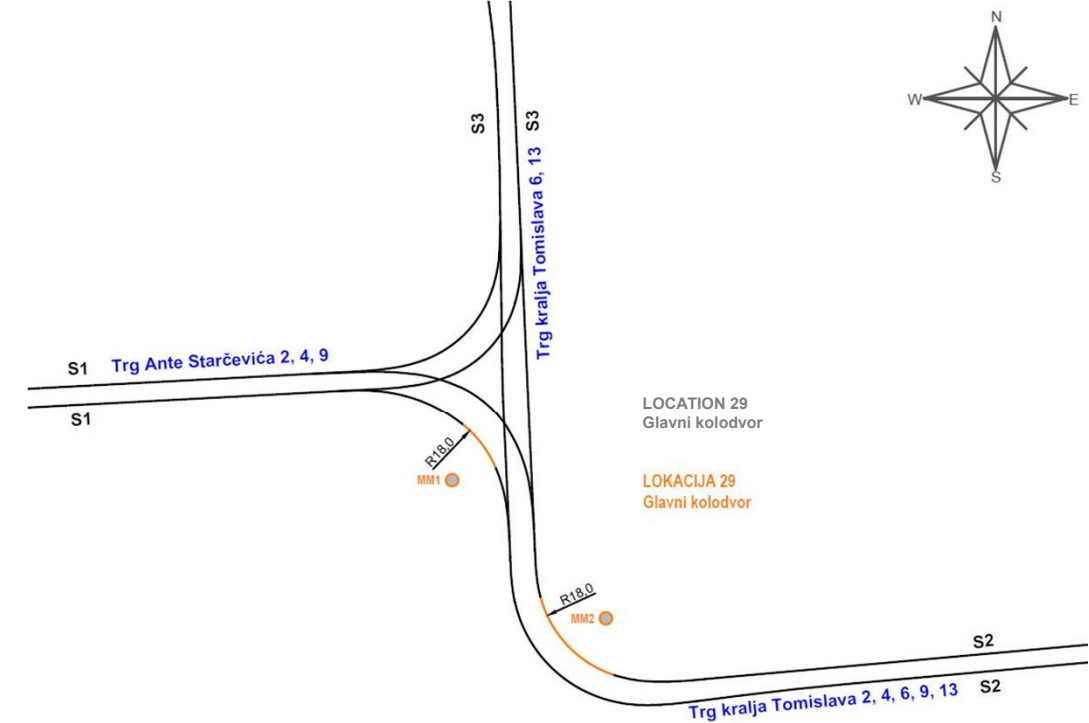
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L29: Raskrižje Glavni kolodvor

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L29: Junction Glavni kolodvor



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
29	Raskrižje / Junction	Glavni kolodvor	06.03.2019.	21:34:32	13,5	45	1015,4	5,4	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S2	432	4	TMK 401	28,00	9,4	54,1	10,7	86,8	78,9
2	S1 - S2	340	9	TMK 301	18,11	4,8	54,1	13,6	71,4	69,4
3	S1 - S2	2230	2	NT 2200	32,00	7,1	54,1	16,2	78,5	70,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		DEPP			5		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measure-ment date	Početak mjerenja / Measure-ment start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air preasure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
29	Raskrižje / Junction	Glavni kolodvor	06.03.2019.	21:35:26	13,5	45	1015,4	5,4	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S1	303	9	TMK 301	18,11	4,9	54,2	13,3	73,1	68,2
2	S2 - S1	2252	2	NT 2200	32,00	14,1	54,2	8,2	74,2	69,6
3	S2 - S1	2239	4	NT 2200	32,00	14,7	54,2	7,8	71,1	67,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			VT		DEPP			12		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

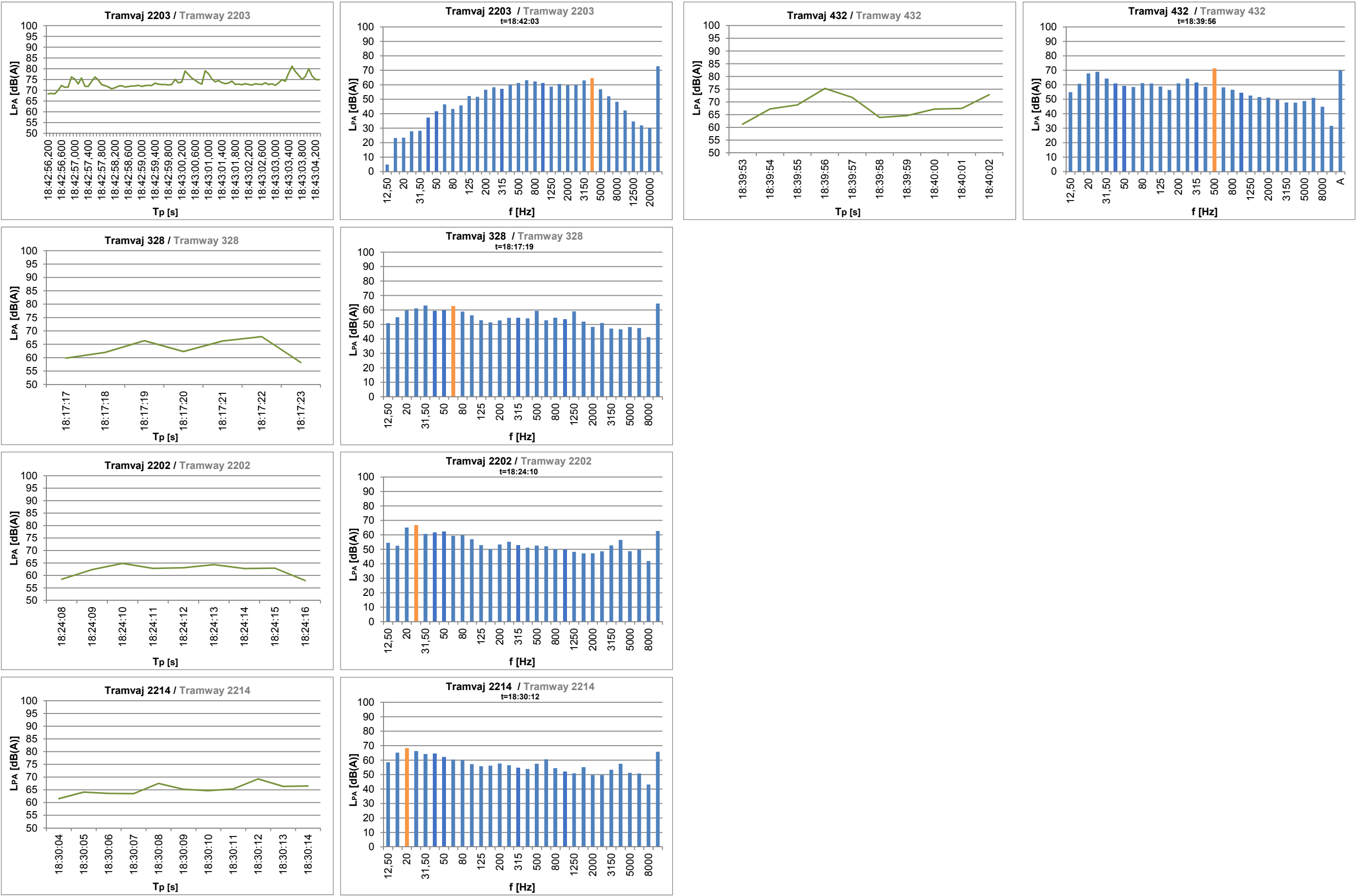
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L30: Raskrižje Ul. kneza Branimira - Draškovićeva ul.

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L30: Junction Ul. kneza Branimira - Draškovićeva ul.



Tramvaj 328 / Tramway 328

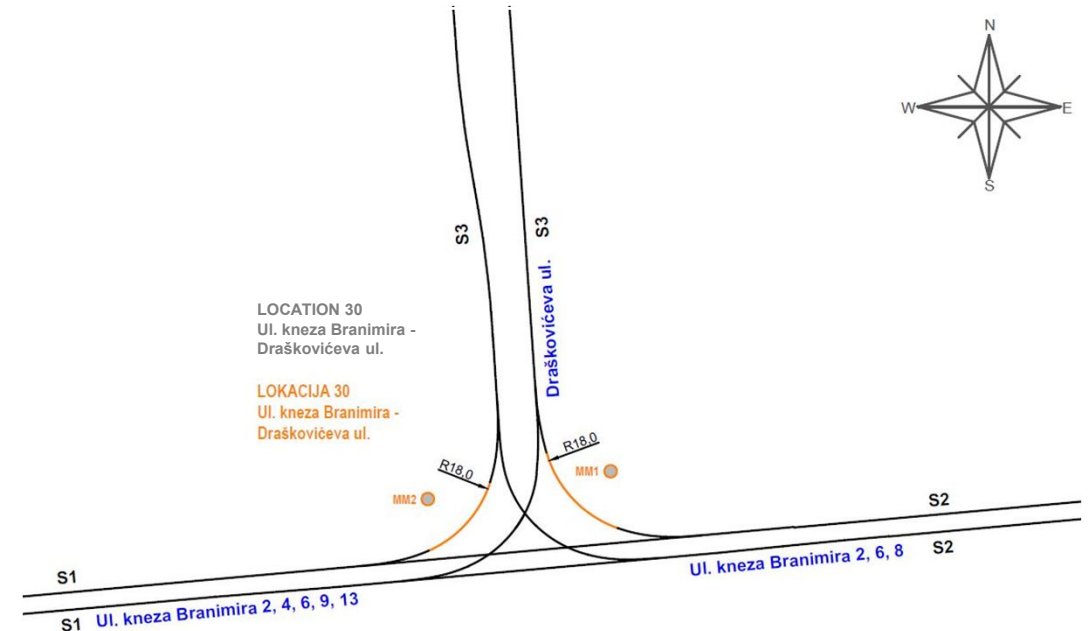
Tramvaj 328 / Tramway 328
t=18:17:19

Tramvaj 2202 / Tramway 2202

Tramvaj 2202 / Tramway 2202
t=18:24:10

Tramvaj 2214 / Tramway 2214

Tramvaj 2214 / Tramway 2214
t=18:30:12



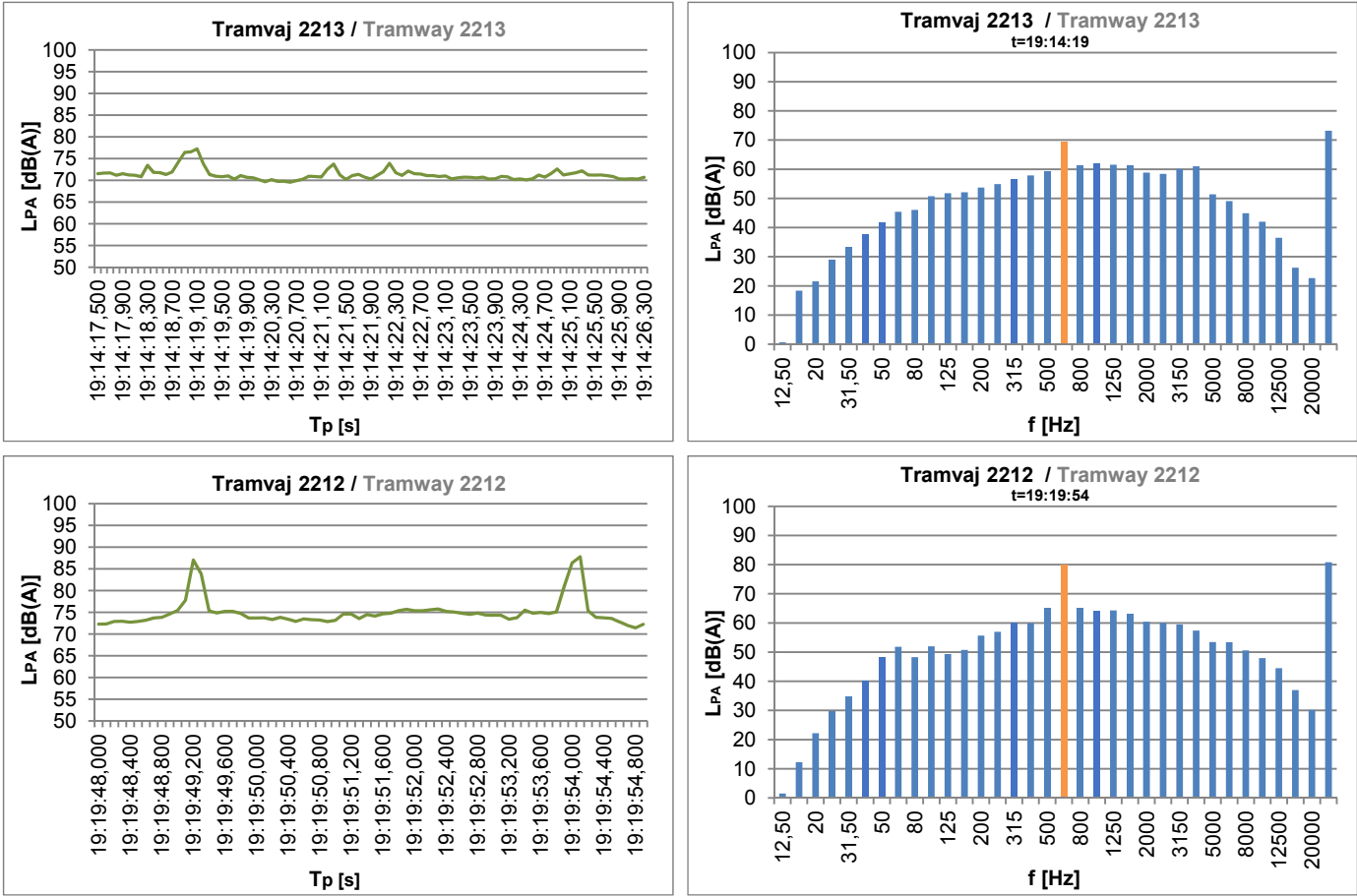
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetro / Wind speed [m/s]	Mjermi uređaj / Measuring device	Mjerno mjesto / Measuring point
30	Raskrižje / Junction	Ul. kneza Branimira - Draškovićeva ul.	08.03.2019.	18:16:34	17,6	33	1016,3	5,4	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S2 - S3	2203	8	NT 2200	32,00	8,4	59,4	13,7	79,7	74,4
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		DEPP			4		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetro / Wind speed [m/s]	Mjermi uređaj / Measuring device	Mjerno mjesto / Measuring point
30	Raskrižje / Junction	Ul. kneza Branimira - Draškovićeva ul.	08.03.2019.	18:16:50	17,6	33	1016,3	5,4	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S3 - S1	328	13	TMK 301	18,11	5,6	46,4	11,6	73,2	64,5
2	S3 - S1	2202	9	NT 2200	32,00	7,6	46,4	15,2	67,3	62,7
3	S3 - S1	2214	9	NT 2200	32,00	9,5	46,4	12,1	71,3	65,7
4	S3 - S1	432	4	TMK 401	28,00	8,4	46,4	12,0	80,4	69,9
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		DEPP			4		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

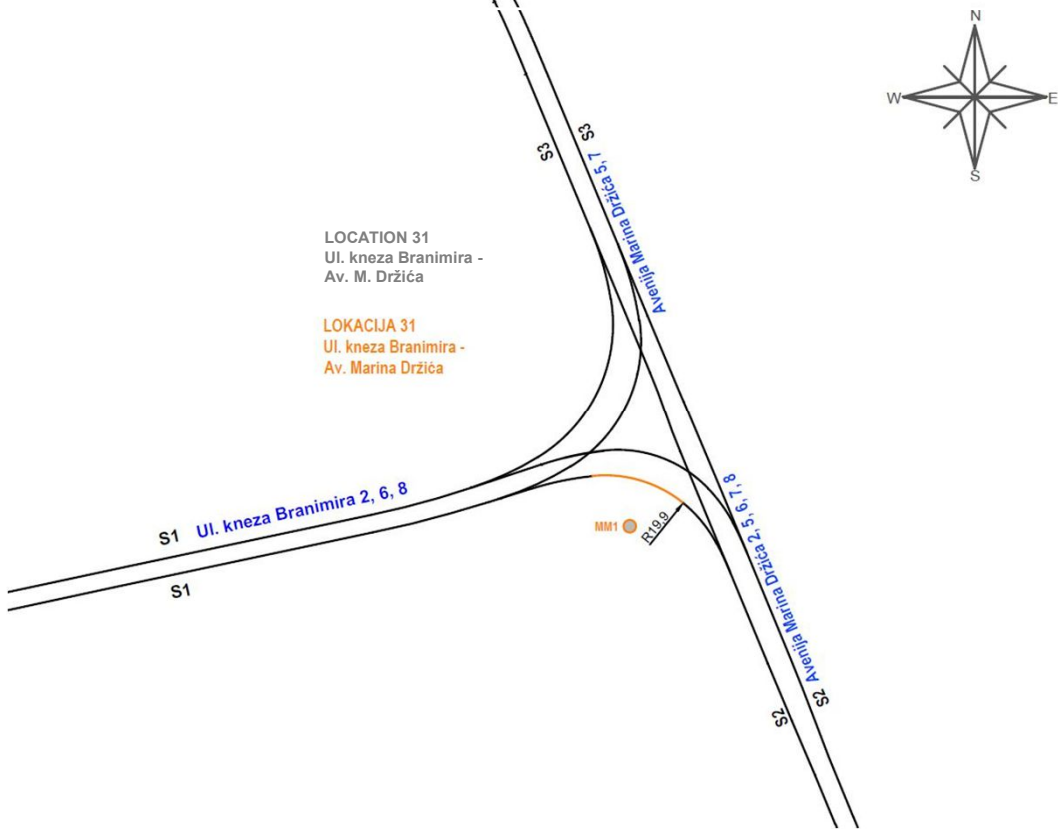
L31: Raskrižje Ul. kneza Branimira - Av. M. Držića



Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L31: Junction Ul. kneza Branimira - Av. M. Držića



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetrova [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
31	Raskrižje / Junction	Ul. kneza Branimira - Av. Marina Držića	08.03.2019.	19:04:03	15,9	37	1017,2	4,7	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAEq [dB(A)]
1	S1 - S2	2213	6	NT 2200	32,00	8,7	65,4	13,2	76,7	71,6
2	S1 - S2	2212	2	NT 2200	32,00	6,7	65,4	17,2	86,1	77,2
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expt. period [years]		
19,9			CP		DEPP			0		

Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

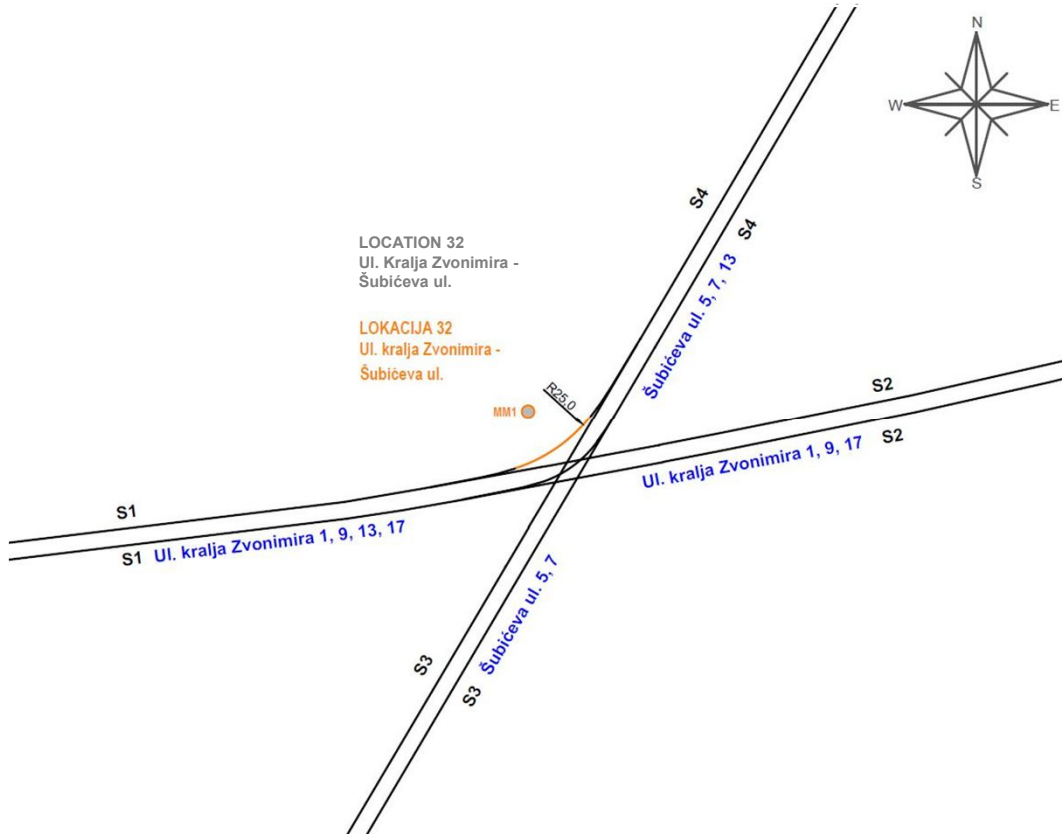
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L32: Raskrižje Ul. Kralja Zvonimira - Šubićeva ul.

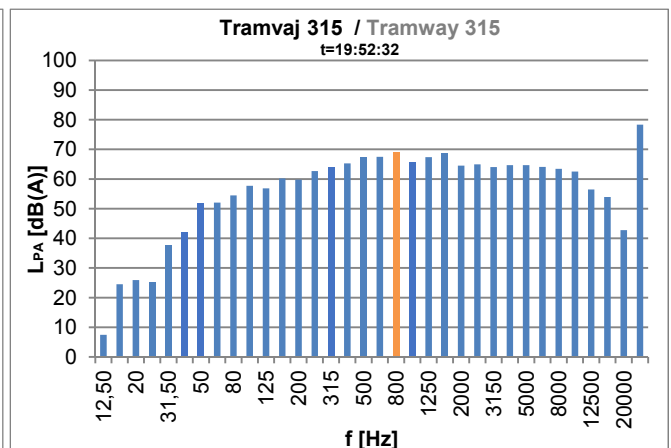
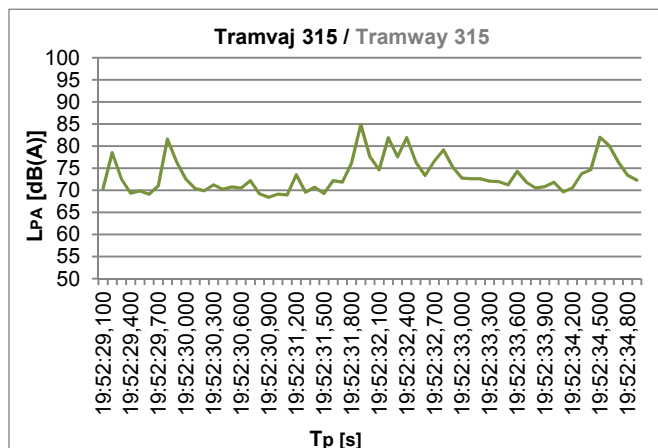
Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of measuring points and noise measurement results

L32: Junction Ul. Kralja Zvonimira - Šubićeva ul.



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
32	Raskrižje / Junction	Ul. kralja Zvonimira - Šubićeva ul.	08.03.2019.	19:40:59	14,9	44	1017,7	4,5	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S4 - S1	315	13	TMK 301	18,11	5,6	62,2	11,6	82,2	75,7
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
25,0			CP		ZG-3/2			8		



Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

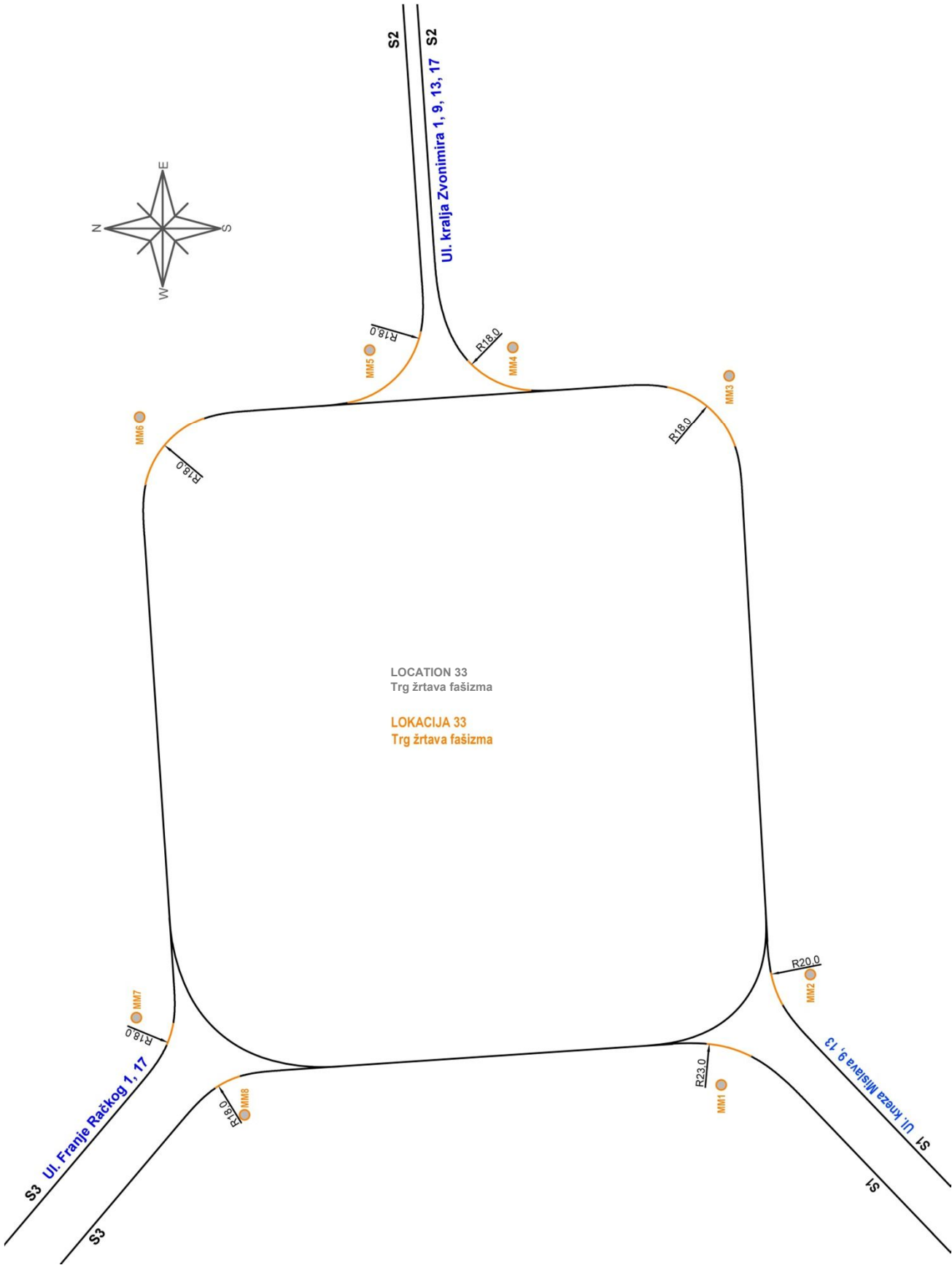
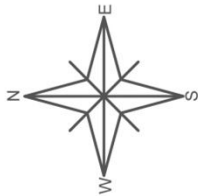
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L33: Raskrižje Trg žrtava fašizma

Annex 7.3. Results of noise measurements for tramway pass-by test

Location of curves with small radii, position of mesuring points and noise measurement results

L33: Junction Trg žrtava fašizma



Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
33	Raskrižje / Junction	Trg žrtava fašizma	08.03.2019.	20:20:46	13,6	47	1018,6	3,5	B&K 2270	MM1
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S1	327	9	TMK 301	18,11	5,0	55,6	13,0	75,2	71,9
2	S2 - S1	342	9	TMK 301	18,11	4,5	55,6	14,5	77,9	74,0
3	S2 - S1	2203	8	NT 2200	32,00	8,2	55,6	14,0	73,7	72,2
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
23,0			CP		DEPP			20		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
33	Raskrižje / Junction	Trg žrtava fašizma	08.03.2019.	20:21:02	13,6	47	1018,6	3,5	B&K 2260	MM2
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S2	337	9	TMK 301	18,11	5,3	54,0	12,3	82,5	73,7
2	S1 - S2	2203	8	NT 2200	32,00	15,8	54,0	7,3	74,6	69,2
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
20,0			CP		DEPP			20		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
33	Raskrižje / Junction	Trg žrtava fašizma	08.03.2019.	20:45:18	13,6	47	1018,6	3,5	B&K 2270	MM3
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S1 - S1	22109	8	NT 2200	32,00	17,5	55,5	6,6	72,9	67,5
2	S3 - S2	22118	17	NT 2200	32,00	10,4	55,5	11,1	91,0	83,3
3	S1 - S2	22302	9	NT 2200	32,00	8,0	55,5	14,4	83,1	77,3
4	S3 - S3	2272	17	NT 2200	32,00	10,5	55,5	11,0	87,0	77,9
5	S3 - S2	2290	17	NT 2200	32,00	13,5	55,5	8,5	83,9	76,6
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			CP		DEPP			20		

Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
33	Raskrižje / Junction	Trg žrtava fašizma	08.03.2019.	20:45:32	13,6	47	1018,6	3,5	B&K 2260	MM4
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S3 - S2	22118	17	NT 2200	32,00	10,4	61,0	11,1	87,1	75,8
2	S1 - S2	22302	9	NT 2200	32,00	8,0	61,0	14,4	84,2	72,0
3	S3 - S2	2290	17	NT 2200	32,00	13,5	61,0	8,5	73,9	70,0
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			VT		DEPP			11		

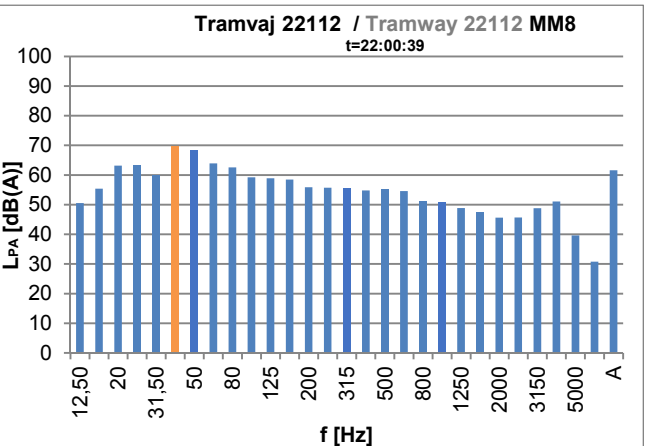
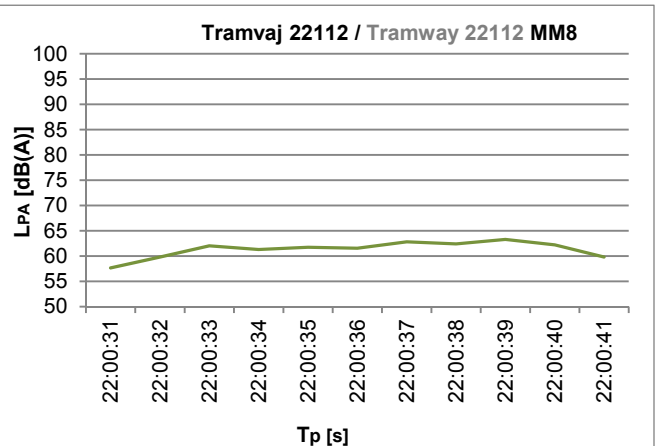
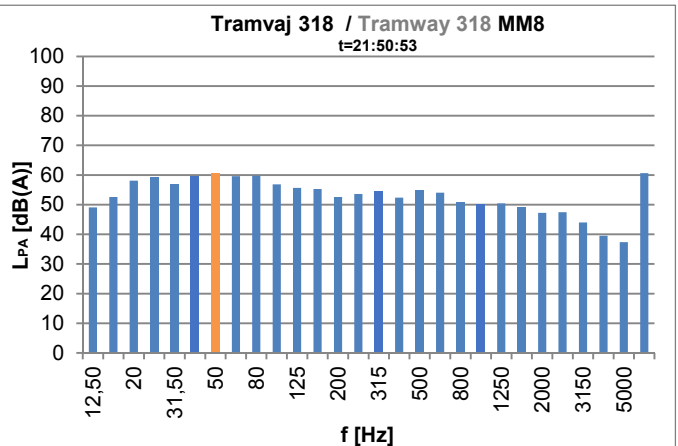
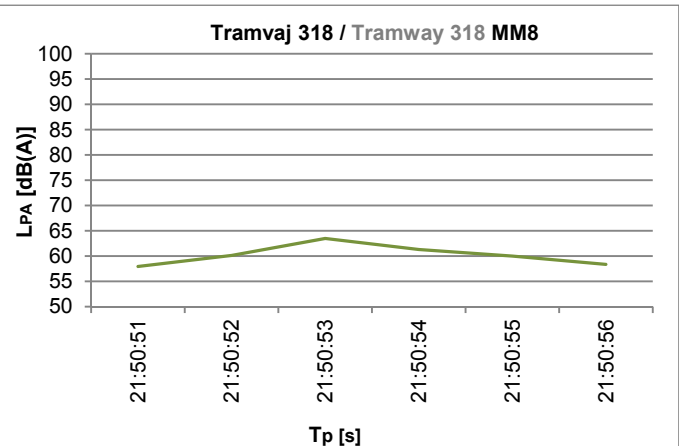
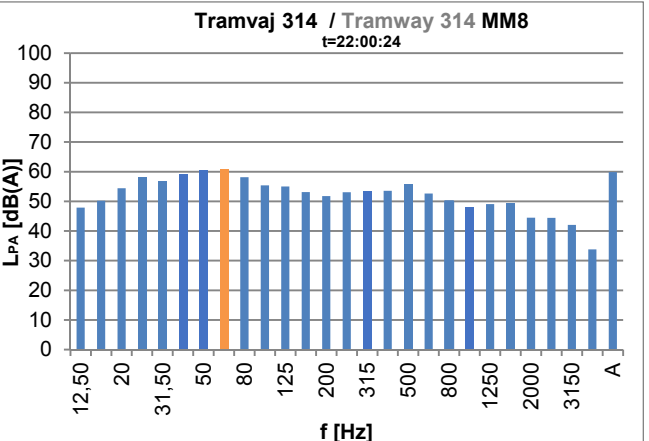
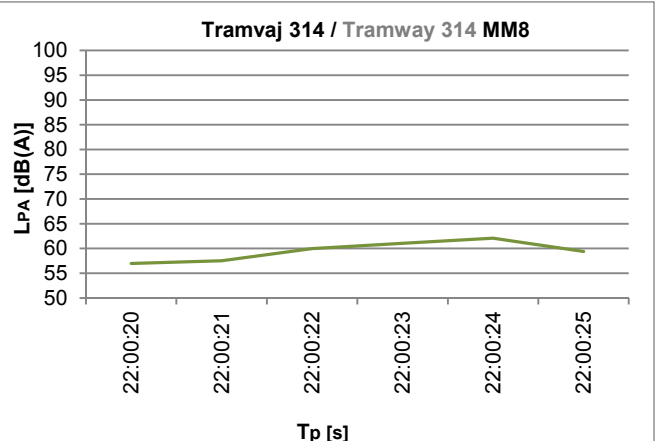
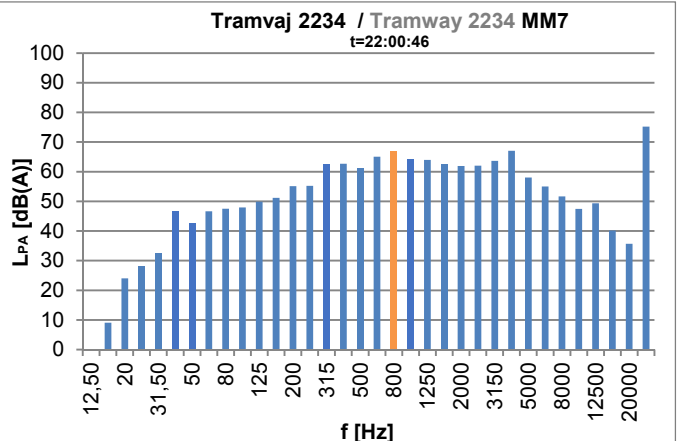
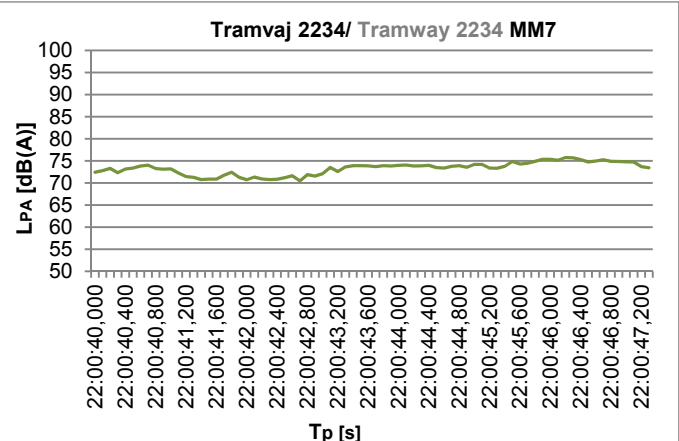
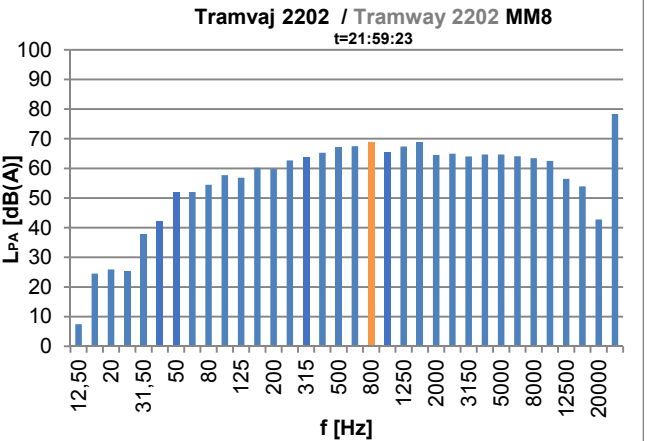
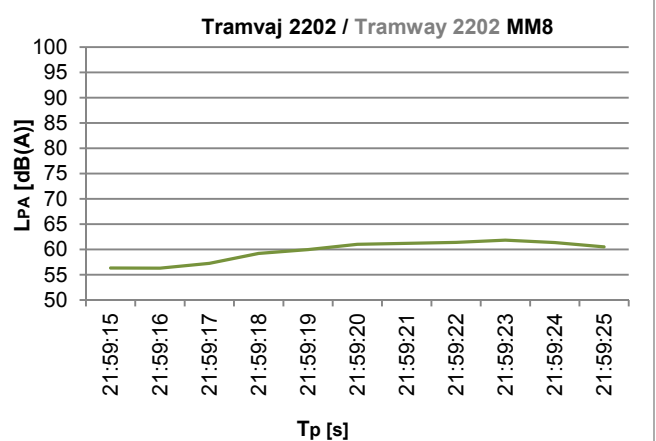
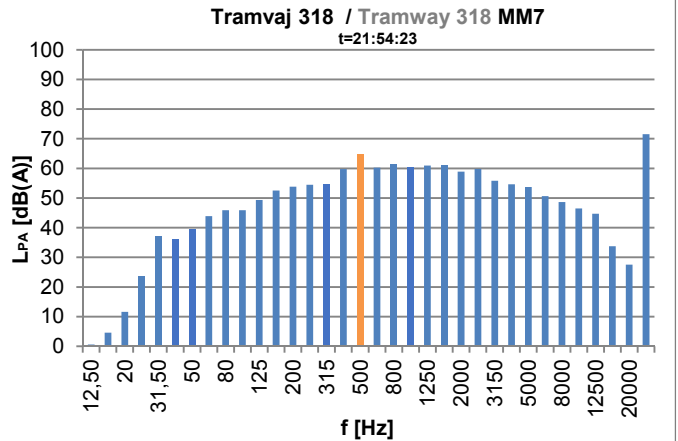
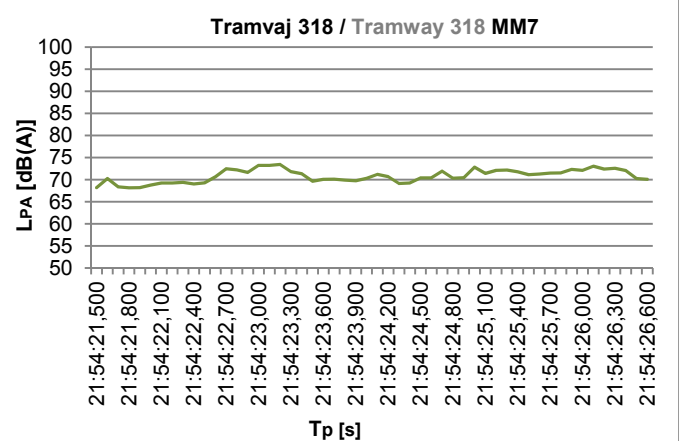
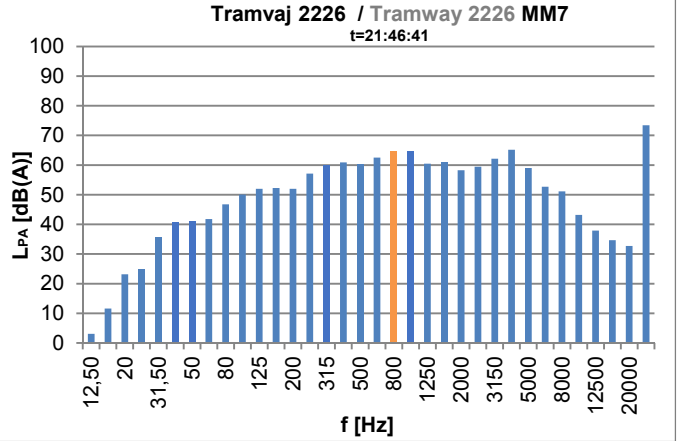
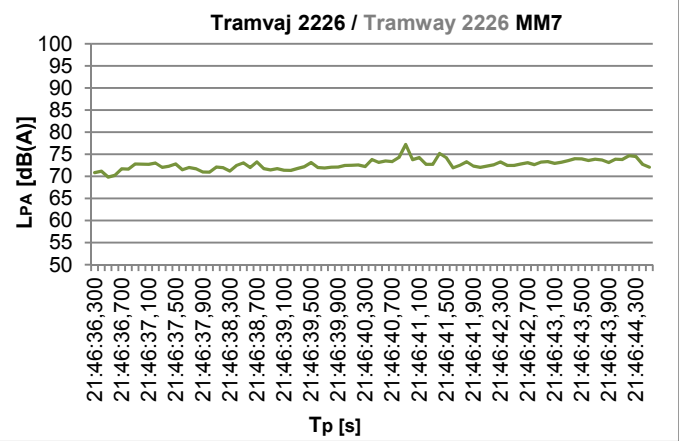
Oznaka lokacije / Location code	Tip lokacije / Location type	Naziv lokacije / Location name	Datum mjerenja / Measurement date	Početak mjerenja / Measurement start time	Temperatura zraka [°] / Air temperature [°]	Vlažnost [%] / Humidity [%]	Tlak zraka (hPa) / Air pressure (hPa)	Brzina vjetra [m/s] / Wind speed [m/s]	Mjerni uređaj / Measuring device	Mjerno mjesto / Measuring point
33	Raskrižje / Junction	Trg žrtava fašizma	08.03.2019.	21:25:33	13,6	47	1018,6	3,5	B&K 2270	MM5
Podaci o prolascima tramvaja / Data on tramway pass-by										
Rd.br. prolaska / Pass no.	Smjer prolaska / Driving direction	Graražni br. tramvaja / Tramway garage no.	Br. tramvaja / Tramway no.	Tip tramvaja / Tramway type	Duljina tramvaja [m] / Tramway length [m]	Duljina mjerenja T=Tp [s] / Measurement duration T=Tp [s]	L95 [dB(A)]	Brzina prolaska [km/h] / Driving speed [km/h]	LAFmax [dB(A)]	LAeq [dB(A)]
1	S2 - S3	22125	17	NT 2200	32,00	10,1	64,5	11,4	75,2	71,7
2	S2 - S1	313	13	TMK 301	18,11	8,0	64,5	8,1	85,0	72,6
3	S2 - S3	405	4	TMK 401	28,00	12,0	64,5	8,4	82,9	74,0
4	S2 - S3	22118	17	NT 2200	32,00	9,2	64,5	12,5	79,3	72,6
Podaci o kolosijeku / Data on track										
Polumjer R [m] / Radius [m]			Donji ustroj / Substructure		Sustav ugradnje / Fastening system			Period ekspl. [god] / Expl. period [years]		
18,0			VT		TUC			27		

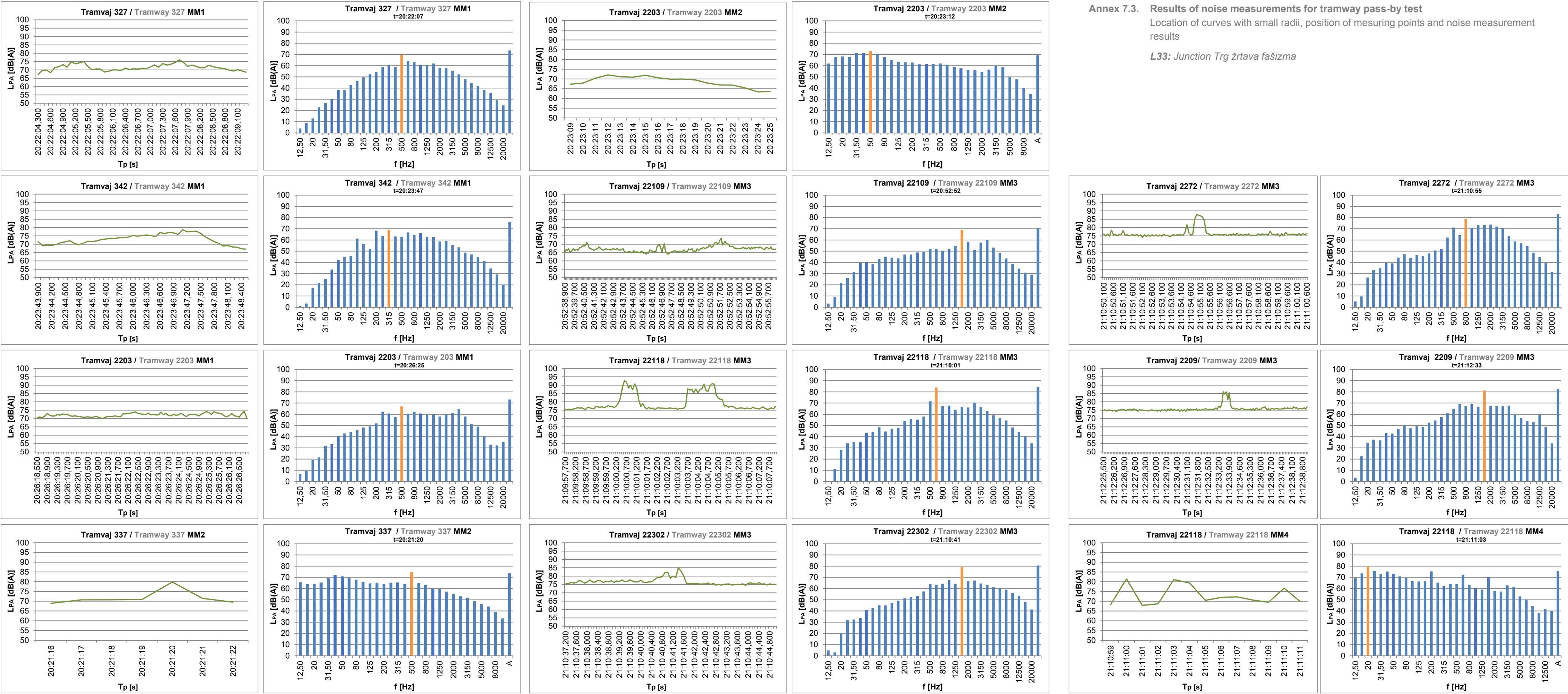
Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja
Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

L33: Raskrižje Trg žrtava fašizma

Annex 7.3. Results of noise measurements for tramway pass-by test
Location of curves with small radii, position of mesuring points and noise measurement results

L33: Junction Trg žrtava fašizma





Prilog 7.3. Rezultati mjerenja razina buke prilikom prolaska tramvaja

Lokacije krivina malih polumjera, položaji mjernih mjesta i rezultati mjerenja razina buke

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