

PROTOCOL

**Broadcasting Co-ordination Meeting
Between Estonian and Latvian Administrations**

Riga,
3 – 5 June 2002

Introduction

Co-ordination Meeting on Broadcasting between representatives of Estonian and Latvian Administrations took place in Riga, Latvia on June 03 – 05 2002.

1. Opening of the Meeting.

The Leading Expert on Broadcasting of the Latvia Telecommunication State Inspection Mr. Inars Jekabsons opened the Co-ordination Meeting. Both Administrations identified their wish to continue co-operation in co-ordination of frequency assignments.

List of participants is presented in Annex 1.

2. Approval of Agenda

The delegations have compared notes regarding draft Agenda and proposed the additional items to include into Agenda for discussion.

The adopted Agenda of the Meeting is presented in Annex 2.

3. Mutual co-ordination of frequency assignments of the FM broadcasting stations.

Latvian Administration presented the information about the current situation in FM Broadcasting band 87,5 – 99,9 MHz in Latvia.

Estonian Administration presented the information about the current situation in FM Broadcasting band 87,5 – 99,9 MHz in Estonia.

Both Parties noticed differences in databases and made corresponding corrections.

Parties completed mutual co-ordination of frequency assignments of FM Broadcasting stations in the frequency band 87,5 – 99,9 MHz and prepared tables of co-ordinated frequency assignments of Estonia and Latvia dated 5 June 2002. Tables are presented in Annexes 3 and 4 respectively. In Tables, Annex 5 and Annex 6, stations proposed for further co-ordinations are presented.

Estonian Administration asked for agreement of Latvian Administration to continue operation of not co-ordinated stations instead of respective co-ordinated stations until 2005:

- Tartu 97,2 MHz instead of Tartu 97,3 MHz;
- Koeru 97,4 MHz instead of Rapla 97,4 MHz;
- Narva 100,0 MHz instead of Narva 99,8 MHz.

Characteristics of stations are given in Annex 4.

Latvian Administration accepted operation of stations Tartu 97,2 MHz and Narva 100,0 MHz. Its decision about temporary operation of Koeru 97,4 MHz will be communicated to Estonian Administration after evaluation of the actual level of interference in the service area of TV station Cesvaine, ch. 5, caused by Koeru.

Latvian representatives drew attention to the Estonian Administration to operation of a station on the frequency 91,4 MHz, which has been earlier modified to the frequency 91,2 MHz (Valgiarve). The signal of the station is even stronger as it was co-ordinated for the earlier station Tartu on the frequency 91,4 MHz.

Estonian representatives will inform Latvian representatives about the situation by correspondence.

Latvian representatives recommended to apply radiation directivity for the stations located in Valga and Valka for more effective use of spectrum.

Estonian representatives raised the question on closure of Cesvaine R5 TV station. Restrictions to protect this station are blocking development of FM broadcasting in SouthEast Estonia. Therefore, early suspending of operation of this TV station would be of high interest for Estonian Administration.

Latvian representatives informed, that the term when the station will be replaced by station using other channel, is not still fixed. Latvian Administration will inform Estonian Administration about any progress regarding the closure of R5.

To eliminate possible interference in the service area of TV station R5 from co-ordinated FM stations the necessary temporary restrictions are indicated in the Table in Annex 4.

4. Other Business.

Latvian Administration informed the meeting that DVB-T experimental station has started operation in May 2002 in Riga.

Parties confirmed their plans to continue the co-operation in DVB-T planning and participation in WGFM PT-24 working process.

5. Signing the Protocol of the Meeting.

Both Parties got signed Protocol. Annexes 1 – 6, including Tables signed by Broadcasting experts, form inseparable part of the Protocol.

Both Parties expressed opinion, that Meeting was successful and satisfied both sides. Parties also noted that mutually fruitful meeting proceeded in friendly environment.

Representatives of Estonian Administration thanked the Latvian Administration for warm welcome.

On behalf of Latvian Administration



Vitolds Vaznis

On behalf of Estonian Administration



Arvo Rammus

05 June 2002,
Riga

List of participants
of Broadcasting Coordination Meeting
between Estonia and Latvia

Riga,
03 – 05 June 2002

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Agenda
of the Bilateral Broadcasting coordination Meeting of
Estonian and Latvian Administrations

1. Opening of the Meeting.
2. Approval of the Agenda.
3. Checking the databases of FM stations and input data for co-ordination.
4. Mutual co-ordination of FM stations (87,5 – 99,9 MHz).
5. Exchange of information concerning T-DAB and DVB-T planning.
6. A.O.B.
7. Signing of Protocol.

List of Latvian FM Stations co-ordinated with Estonian administration (87.5 - 99.9 MHz) Annex 3

No.	STATION	LAT	LONG	FREQ.	ERP dBW/POL	H asl m	H agl m	H eff m	DND	ATTENUATION dB to EST	REMARKS
1	TALSI	57N1406	022E3807	87.5	31	141	50	137	D		
2	KRASLAVA	55N5430	027E1030	87.6	30	128	100	100	D		
3	VALMIERA	57N3137	025E2312	87.6	38	53	166	180	D		
4	LIEPAJA	56N3049	021E0013	87.7	36	3	150	153	D		
5	BROCENI	56N4200	022E3500	87.8	38	103	53	60	ND		
6	CESVAINE	56N5815	026E1807	87.9	43	194	134	204	ND		
7	DUNDAGA	57N3054	022E1956	87.9	34	60	155	189	D		
8	BAUSKA	56N2425	024E1006	88.0	30	30	90	103	ND		
9	DAUGAVPILS	55N5221	026E3208	88.1	37	107	160	168	D		
10	VILAKA	57N1200	027E4000	88.2	27	107	100	123	ND		
11	KANDAVA	57N0200	022E4500	88.3	30	81	50	79	D		
12	CESVAINE	56N5815	026E1807	88.4	35	194	165	235	ND		
13	LIEPAJA	56N3049	021E0013	88.4	35.5	3	80	83	D		
14	VENTSPILS	57N2335	021E3410	88.5	30	3	55	58	D		
15	JELGAVA	56N3904	023E4453	88.6	30	5	115	119	D		
16	DAUGAVPILS	55N5221	026E3208	88.7	36	100	160	168	D		
17	REZEKNE	56N3116	027E2517	88.9	35	140	166	173	D		
18	AUCE	56N3007	022E5108	89.0	30	141	70	124	ND		
19	VIESITE	56N2028	025E3304	89.1	37	121	150	185	D		
20	RIGA	56N5612	024E0418	89.2	36	8	110	118	ND		
21	DUNDAGA	57N3054	022E1956	89.3	37.8	64	150	184	D		
22	REZEKNE	56N3116	027E2517	89.4	33	140	166	173	D		
23	AIZPUTE	56N4227	021E3500	89.5	35	80	74	120	ND		
24	VALMIERA	57N3137	025E2312	89.5	40	53	155	169	D		
25	REZEKNE	56N3116	027E2517	89.8	43	140	155	162	ND		
26	VENTSPILS	57N2335	021E3410	89.8	30	3	55	58	ND		
27	SIGULDA	57N0900	024E5100	89.8	27	99	40	114	ND		mod ex. Sigulda 89.9 MHz
28	RIGA	56N5525	024E0812	90.0	33	7	246	253	ND		add
29	DAUGAVPILS	55N5221	026E3208	90.1	37	107	160	168	D		
30	ALUKSNE	57N2426	027E0446	90.2	39	198	100	157	ND		mod
31	KANDAVA	57N0200	022E4500	90.2	30	63	47	69	ND		
32	MAZSALACA	57N5200	025E0400	90.3	33	72	40	68	ND		
33	KULDIGA	56N5605	022E0051	90.4	43	42	160	182	D		
34	MADONA	56N5135	026E1216	90.5	30	179	50	125	ND		0°-40°/4

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List of Latvian FM Stations co-ordinated with Estonian administration (87.5 - 99.9 MHz)

Annex 3

No.	STATION	LAT	LONG	FREQ.	ERP dBW/POL	Hst m	Hagl m	H eff m	DND	ATTENUATION dB to EST	REMARKS
35	DAUGAVPILS	55N5221	026E3208	90.6	40	V	107	160	168	D	
36	RIGA	56N5525	024E0812	90.7	45.5	H	7	272	279	D	
37	VENTSPILS	57N2335	021E3410	90.8	30	V	3	60	63	ND	
38	CESVAINE	56N5815	026E1807	90.9	43	V	194	145	215	D	305°-35°/4
39	LIEPAJA	56N3049	021E0013	91.0	36	V	3	147	150	D	
40	DUNDAGA	57N3054	022E1956	91.1	36	H	64	150	184	ND	
41	VIESITE	56N2028	025E3304	91.1	35	H	121	135	170	ND	
42	REZEKNE	56N3100	027E2000	91.4	30	H	140	65	100	ND	
43	RIGA	56N5525	024E0812	91.5	45.5	H	7	272	279	D	
44	PREILI	56N1722	026E4347	91.6	33	V	131	85	106	ND	
45	DUNDAGA	57N3054	022E1956	91.7	33	H	60	150	184	D	0°-40°/2
46	REZEKNE	56N3116	027E2517	91.9	33	V	140	166	173	D	
47	TUKUMS	56N5700	023E1100	91.9	33	V	68	60	113	D	
48	KULDIGA	56N5605	022E0051	92.0	40	H	42	160	182	D	0°-20°/3; 30°-190°/6
49	VIESITE	56N2028	025E3304	92.1	30	V	121	140	174	D	0°-20°/1
50	BALVI	57N0800	027E1600	92.2	30	V	111	93	100	D	mod add
51	KANDAVA	57N0200	022E4500	92.3	33	H	70	60	79	D	
52	BAUSKA	56N2425	024E1006	92.4	27	V	30	90	103	D	
53	DAGDA	56N0600	027E3200	92.7	34	V	180	75	94	ND	
54	LIMBAZI	57N3100	024E4500	92.8	33	V	90	80	117	D	
55	DAUGAVPILS	55N5221	026E3208	92.9	33	H	107	140	148	D	
56	LIEPAJA	56N3049	021E0013	92.9	27	V	3	110	113	D	
57	ALUKSNE	57N2455	027E0406	93.0	35	V	198	128	185	ND	
58	RIGA	56N5525	024E0812	93.1	40	V	7	240	247	D	
59	VILAKA	57N1200	027E4000	93.3	33	V	107	100	123	ND	
60	LIEPAJA	56N3049	021E0013	93.5	35	V	3	150	153	D	
61	LIMBAZI	57N3100	024E4500	93.5	33	H	90	80	117	D	
62	BROCENI	56N4200	022E3500	93.6	35	H	103	90	98	D	
63	RUCAVA	56N0955	021E0920	93.8	25	V	11	70	81	ND	
64	RIGA	56N5525	024E0812	93.9	40	H	7	275	282	D	
65	VALKA	57N4637	025E5633	94.0	33	V	80	70	100	ND	
66	VIESITE	56N2028	025E3304	94.1	34	H	121	135	170	D	
67	ALUKSNE	57N2455	027E0406	94.2	33	H	198	128	185	D	
68	TALSI	57N1406	022E3807	94.3	36	V	141	30	123	D	

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List of Latvian FM Stations co-ordinated with Estonian administration (87.5 - 99.9 MHz) Annex 3

No.	STATION	ILAT	LONG	FREQ.	ERP dBW/POL	H asl m	H agl m	H eff m	DND	ATTENUATION dB to EST	REMARKS
69	DAGDA	56N0615	027E3120	94.5	33	V	180	75	94	D	
70	RIGA	56N5612	024E0418	94.5	33	V	8	110	118	ND	
71	SALDUS	56N4000	022E3000	94.7	33	V	93	70	79	ND	
72	REZEKNE	56N3116	027E2517	94.9	40	V	140	166	173	D	
73	DUNDAGA	57N3054	022E1956	95.0	34	V	60	155	189	D	
74	DAUGAVPILS	56N5221	026E3208	95.2	40	V	107	160	168	D	
75	LIEPAJA	56N3049	021E0013	95.2	33	V	3	150	153	D	
76	VENTSPILS	57N2335	021E3410	95.3	33	V	3	55	58	ND	
77	AIZKRAUKLE	56N3647	025E1450	95.4	30	H	91	80	128	D	
78	LUDZA	56N3200	027E4300	95.5	33	V	142	85	102	D	
79	KANDAVA	57N0200	022E4500	95.6	33	V	70	50	79	D	
80	JEKABPILS	56N3100	025E5600	95.8	34	H	109	120	148	D	
81	RUCAVA	56N0955	021E0920	95.8	25	V	11	70	81	ND	
82	KULDIGA	56N5605	022E0051	95.9	43	H	42	160	172	D	
83	VALKA	57N4637	025E5633	95.9	33	V	80	75	105	ND	
84	KRASLAVA	56N5430	027E1030	96.1	33	V	128	100	100	ND	
85	LIEPAJA	56N3049	021E0013	96.1	30	V	3	150	153	D	
86	RIGA	56N5525	024E0812	96.2	30	V	7	100	107	D	
87	REZEKNE	56N3116	027E2517	96.5	40	H	140	166	173	D	
88	RIGA	56N5612	024E0418	96.8	30	V	8	110	118	D	
89	JEKABPILS	56N3100	025E5600	96.9	34	H	109	120	148	ND	
90	PRIEKULE	56N2700	021E3600	97.1	27	V	67	60	96	ND	
91	ALUKSNE	57N2426	027E0446	97.2	33	H	192	123	180	D	
92	JURMALA	56N5700	023E4500	97.3	33	V	3	80	83	D	
93	ZILUPE	56N2300	028E0800	97.3	30	V	113	90	94	ND	
94	LIEPAJA	56N3049	021E0013	97.5	34	H	3	155	158	D	
95	LIVANI	56N2200	026E1100	97.7	30	H	92	95	101	ND	
96	TUKUMS	56N5700	023E1100	97.7	33	V	68	60	113	D	
97	LIEPAJA	56N3049	021E0013	97.9	40	V	3	150	153	D	
98	REZEKNE	56N3116	027E2517	98.0	43	V	140	170	177	D	
99	BROCENI	56N4200	022E3500	98.1	35	H	103	90	98	D	
100	VIESITE	56N2028	025E3304	98.4	35	H	121	135	170	D	
101	KULDIGA	56N5605	022E0051	98.5	40	H	42	171	182	D	
102	GULBENE	57N1115	026E4510	98.6	33	H	141	80	112	ND	

2002.06.06. Nr. 103.06.02

05.05.2002.

Annex 3

For Latvian Administration:

For Estonian Administration:

2002.06.05; va_fm_03.06.02

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LIST OF ESTONIAN FM STATIONS (87.5 – 99.9 MHz)

ANNEX 4

N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency MHz	Effective radiation power dBW	Altitude of site above sea level m	Height of antenna above ground level m	Maximum effective antenna height m	Directivity of antenna (D / ND)	Polarization	Sys-tem	Restrictions*	Remarks
1.	KILINGI	025E00 58N10	88.00	25.0	55	70	100	ND	H	4		
2.	POLVA	027E06 58N04	88.00	35.0	68	70	100	D	H	4	180-220/3dB	
3.	PAIDE	025E34 58N53	88.10	35.0	65	190	200	ND	H	4		
4.	SORVE	022E07 58N03	88.10	25.0	20	70	100	ND	H	4		
5.	VIHTERPALU	023E45 59N14	88.10	15.0	17	30	50	ND	V	4		
6.	KOHTLA	027E12 59N21	88.20	35.0	58	150	200	ND	H	4		
7.	RANNU	026E13 58N15	88.20	15.0	59	30	50	ND	V	4		
8.	VIRTUSU	023E32 58N35	88.20	35.0	3	90	100	ND	H	4		
9.	KIHELKONNA	022E03 58N22	88.30	15.0	16	30	50	ND	V	4		
10.	POLTSAMAA	025E59 58N39	88.30	15.0	55	30	50	ND	V	4		
11.	TALLINN	024E53 59N28	88.30	35.0	24	230	254	D	V	4		
12.	ASERI	026E53 59N27	88.40	15.0	52	10	50	ND	V	4		
13.	VIGALA	024E20 58N45	88.40	15.0	14	50	50	ND	V	4		
14.	JOGEVA	026E22 58N44	88.50	35.0	80	70	100	ND	H	4		
15.	ORISSAARE	023E04 58N34	88.50	25.0	3	50	50	ND	V	4		
16.	AEGVIDU	025E37 59N18	88.60	25.0	94	30	50	ND	V	4		
17.	MATSURI	027E37 57N51	88.60	25.0	90	70	100	ND	H	4		
18.	PARNU	024E35 58N23	88.60	35.0	8	190	200	ND	H	4		
19.	KARDLA	022E46 59N00	88.70	35.0	10	90	100	ND	H	4		
20.	OTEPAA (RUKA)	026E30 58N04	88.70	25.0	207	10	50	ND	V	4		
21.	TURBA	024E15 59N04	88.70	15.0	58	30	50	ND	V	4		
22.	TALLINN KASSISABA	024E53 59N28	88.80	33.0	24	183	207	D	V	4		
23.	RAKVERE	026E21 59N21	88.90	35.0	85	170	197	ND	H	4		
24.	VANDRA	025E04 58N39	88.90	25.0	42	30	50	ND	V	4		
25.	KURESSAARE	022E29 58N15	89.00	35.0	9	190	200	ND	H	4		
26.	TARTU	026E42 58N22	89.00	35.0	62	190	200	ND	H	4		
27.	RAPLA (KESK-PA)	024E48 59N00	89.10	35.0	65	90	100	ND	H	4		
28.	VASKNARVA	027E43 59N00	89.10	15.0	32	50	50	ND	V	4		
29.	HAADEMEESTE	024E30 58N05	89.20	15.0	20	30	50	ND	V	4		
30.	LOKSA	025E43 59N35	89.20	25.0	16	90	100	ND	H	4		
31.	AVINURME	026E50 59N00	89.30	25.0	65	30	50	ND	V	4		

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N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency MHz	Effective radiation power dBW	Altitude of site above sea level m	Height of antenna above ground level m	Maximum effective antenna height m	Directivity of antenna (D / ND)	Polarization	System	Restrictions*	Remarks
32.	HAAPSALU	023E35 58N57	89.40	35.0	2	90	100	ND	H	4		
33.	NARVA	028E11 59N23	89.40	30.0	26	70	100	ND	H	4		
34.	RUHNU	023E16 57N48	89.40	5.0	15	10	25	ND	V	4		
35.	KALLASTE	027E07 58N40	89.50	25.0	50	30	50	ND	V	4		
36.	KURESSAARE-EESLINNA	022E30 58N16	89.60	20.0	5	15	20	ND	V	4		
37.	TALLINN VANALINN	024E53 59N28	89.60	35.0	13	123	136	ND	V	4		
38.	TARTU	026E43 58N23	89.70	35.0	62	177	200	ND	V	4		ADD
39.	RAKVERE	026E21 59N21	89.80	35.0	80	78	100	ND	V	4		ADD
40.	PÄRNU	024E35 58N23	89.90	33.0	8	200	208	ND	V	4		ADD
41.	VILJANDI (Pärnu 80°)	025E37 58N20	90.00	30.0	70	70	100	ND	V	4		MOD ex MARJAMAA
42.	KÄRDLA	022E46 59N00	90.10	35.0	3	97	100	ND	V	4		ADD
43.	SORVE	022E07 58N03	90.20	25.0	20	70	100	ND	H	4		
44.	TALLINN	024E53 59N28	90.20	35.0	24	230	254	D	V	4		
45.	VIHTERPALU	023E45 59N14	90.20	15.0	17	30	50	ND	V	4		
46.	TARTU	026E43 58N23	90.30	35.0	62	177	200	D	V	4	150-180/8dB 230-250/18dB	ADD
47.	KOHTLA	027E12 59N21	90.40	35.0	58	150	200	ND	H	4		
48.	RANNU	026E13 58N15	90.40	15.0	59	30	50	ND	V	4		
49.	KILINGI	025E00 58N10	90.50	25.0	55	70	100	ND	H	4		
50.	VIRTISU (Kuresaare 80°)	023E32 58N35	90.40	35.0	3	90	100	ND	H	4		MOD ex Kuressaare
51.	POLVA	027E06 58N04	90.50	35.0	68	70	100	D	H	4	200-210/8dB	
52.	KIHELKONNA	022E03 58N22	90.60	15.0	16	30	50	ND	V	4		
53.	POLTSAMAA	025E59 58N39	90.60	15.0	55	30	50	ND	V	4		
54.	TALLINN KLOOSTRIMETS	024E53 59N28	90.60	35.0	24	251	275	ND	H	4		
55.	RAKVERE	026E21 59N21	90.70	35.0	85	70	100	ND	H	4		
56.	VANDRA	025E04 58N39	90.70	25.0	42	30	50	ND	V	4		
57.	ASERI	026E53 59N27	90.80	15.0	52	10	50	ND	V	4		
58.	VALGA	026E04 57N48	90.80	35.0	60	88	100	ND	V	4	140-300/10dB	
59.	VIGALA	024E20 58N45	90.80	15.0	14	50	50	ND	V	4		
60.	JOGEVA	026E22 58N44	90.90	35.0	80	70	100	ND	H	4		
61.	ORISSAARE	023E04 58N34	90.90	25.0	3	50	50	ND	V	4		
62.	KOHTLA	027E12 59N21	91.00	35.0	58	169	200	ND	V	4		

N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency MHz	Effective radiation power dBW	Altitude of site above sea level m	Height of antenna above ground level m	Maximum effective antenna height m	Directivity of antenna (D / ND)	Polarization	System	Restrictions*	Remarks
63.	MATSURIAB-kustutahd	027E37 57N51	91.00	25.0	90	70	100	ND	H	4		ADD*** -> LV 30
64.	PARNU	024E35 58N23	91.00	35.0	8	190	200	ND	H	4		
65.	KARDLA (PARNU linn)	022E46 59N00	91.20	35.0	10	90	100	ND	H	4		
66.	OTEPAA	026E30 58N04	91.20	25.0	207	10	50	ND	V	4		
67.	TURBA	024E15 59N04	91.20	15.0	58	30	50	ND	V	4		
68.	RAPLA	024E48 59N00	91.30	35.0	65	90	100	ND	H	4		
69.	VASKNARVA	027E43 59N00	91.30	15.0	32	50	50	ND	V	4		
70.	HADEMEESTE	024E30 58N05	91.40	15.0	20	30	50	ND	V	4		
71.	VALGJÄRVE	026E40 58N06	91.20(?)	40.0	170	270	339	ND	H	4		
72.	KURESSAARE	022E29 58N15	91.50	35.0	9	190	200	ND	H	4		
73.	LOKSA	025E43 59N35	91.50	25.0	16	90	100	ND	H	4		
74.	TALLINN	024E45 59N26	91.50	35.0	5	250	255	ND	V	4		
75.	AVINURME	026E50 59N00	91.60	25.0	65	30	50	ND	V	4		
76.	KOERU	026E04 58N58	91.70	40.0	90	295	307	ND	H	4		
77.	NARVA	028E11 59N23	91.70	25.0	26	70	100	ND	H	4		
78.	RUHNU	023E16 57N48	91.70	5.0	15	10	25	ND	V	4		
79.	KALLASTE	027E07 58N40	91.80	25.0	50	30	50	ND	V	4		
80.	VORU	027E02 57N45**	91.80	35.0	199	100	215	ND	H	4		ADD***
81.	PAIDE	025E34 58N53	92.10	35.0	65	190	200	ND	H	4		MOD OTEPAA
82.	SORVE	022E07 58N03	92.10	25.0	20	70	100	ND	H	4		
83.	VIHTERPALU	023E45 59N14	92.10	15.0	17	30	50	ND	V	4		
84.	KARDLA	022E46 59N00	92.20	35.0	10	90	100	ND	H	4		
85.	KOHTLA	027E12 59N21	92.20	35.0	58	150	200	ND	H	4		
86.	RANNU	026E13 58N15	92.20	15.0	59	30	50	ND	V	4		
87.	KILINGI	025E00 58N10	92.30	25.0	55	70	100	ND	H	4		
88.	POLVA	027E06 58N04	92.30	35.0	68	70	100	D	V	4	160-190/4dB	MOD H
89.	KIHELKONNA	022E03 58N22	92.40	15.0	16	30	50	ND	V	4		
90.	POLTSAMAA	025E59 58N39	92.40	15.0	55	30	50	ND	V	4		
91.	TALLINN	024E45 59N25	92.40	20.0	10	90	100	ND	V	4		
92.	RAKVERE	026E21 59N20	92.50	35.0	80	75	155	ND	V	4		
93.	VALGA	026E05 57N46	92.50	35.0	67	70	100	ND	H	4		
94.	VIGALA	024E20 58N45	92.50	15.0	14	50	50	ND	V	4		
95.	JOGEVA (Sõjajõu)	026E22 58N44	92.60	35.0	80	70	100	ND	V	4		MOD H

Handwritten signature and text:
 10.10.2011
 J. Kõrre

N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency	Effective radiation power	Altitude of site above sea level	Height of antenna above ground level	Maximum effective antenna height	Directivity of antenna (D / ND)	Polarization	System	Restrictions*	Remarks
96.	ORISSAARE	023E04 58N34	92.60	25.0	3	50	50	ND	V	4		
97.	AEGVIDU	025E37 59N18	92.70	25.0	94	30	50	ND	V	4		
98.	MATSURI	027E37 57N51	92.70	25.0	90	70	100	ND	H	4	3/LVA/D 180-250/4dB	ADD***
99.	PARNU	024E35 58N23	92.70	35.0	8	190	200	ND	H	4		
100.	TURBA	024E15 59N04	92.80	15.0	58	30	50	ND	V	4		
101.	VIRTUSU (Hoopsele)	023E32 58N35	92.90	35.0	3	90	100	ND	H	4		
102.	RAPLA	024E48 59N00	93.00	35.0	65	90	100	ND	H	4		
103.	VASKNARVA	027E43 59N00	93.00	15.0	32	50	50	ND	V	4		
104.	KOHTLA	027E12 59N21	93.10	35.0	58	169	200	ND	V	4		ADD
105.	AVINURME	026E50 59N00	93.20	25.0	65	30	50	ND	V	4		
106.	TALLINN	024E53 59N28	93.20	35.0	24	183	207	D	V	4		
107.	KURESSAARE	022E29 58N15	93.30	35.0	9	190	200	ND	H	4		
108.	LOKSA	025E43 59N35	93.30	25.0	16	90	100	ND	H	4		
109.	HAADEMEESTE	024E30 58N05	93.40	15.0	20	30	50	ND	V	4		
110.	KOERU (Kallaste)	026E04 58N58	93.40	45.0	60	270	295	ND	H	4		
111.	HAAPSALU	023E35 58N57	93.60	35.0	2	90	100	ND	H	4		
112.	NARVA	028E11 59N23	93.60	25.0	26	70	100	ND	H	4		
113.	RUHNU	023E16 57N48	93.60	5.0	15	10	25	ND	V	4		
114.	RAKVERE	026E21 59N21	93.70	35.0	85	70	100	ND	H	4		
115.	VANDRA	025E04 58N39	93.70	25.0	42	30	50	ND	V	4		
116.	KALLASTE	027E07 58N40	93.80	25.0	50	30	50	ND	V	4		
117.	KÄRDLA	022E46 59N00	93.80	35.0	3	97	100	ND	V	4		ADD
118.	PÄRNU	024E33 58N23	93.90	35.0	7	193	200	D	V	4	120-140/8dB 170-220/15dB	ADD
119.	TARTU	026E43 58N23	94.10	35.0	62	177	200	D	V	4	200-230/8dB 3/LVA/D 150-190/5dB	ADD
120.	PAIDE	025E34 58N53	94.20	35.0	65	190	200	ND	H	4	3/LVA/D 140-160/10dB	ADD***
121.	SORVE	022E07 58N03	94.20	25.0	20	70	100	ND	H	4		
122.	VIHTERPALU	023E45 59N14	94.20	15.0	17	30	50	ND	V	4		
123.	KILINGI	025E00 58N10	94.30	25.0	55	70	100	ND	H	4		

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N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency	Effective radiation power	Altitude of site above sea level	Height of antenna above ground level	Maximum effective antenna height	Directivity of antenna (D / ND)	Pola- riza- tion	Sys- tem	Restrictions*	Remarks
155.	TALLINN KLOOSTRIMETS	024E53 59N28	95.80	45.0	24	251	275	ND	H	4		
156.	RAKVERE	026E21 59N21	96.10	35.0	-	-	100	ND	H	4		
157.	SORVE	022E07 58N03	96.10	25.0	20	70	100	ND	H	4		
158.	VIHTERPALU	023E45 59N14	96.10	15.0	17	30	50	ND	V	4		
159.	KOHTLA	027E12 59N21	96.30	35.0	58	150	200	ND	H	4		
160.	RANNU	026E13 58N15	96.30	15.0	59	30	50	ND	V	4		
161.	VIRTUSU	023E32 58N35	96.30	35.0	3	90	100	ND	H	4		
162.	KILINGI	025E00 58N10	96.40	25.0	55	70	100	ND	H	4		
163.	POLVA	027E06 58N04	96.40	35.0	68	70	100	ND	V	4		ADD**
164.	KIHELKONNA	022E03 58N22	96.50	15.0	16	30	50	ND	V	4		
165.	POLTSAMAA	025E59 58N39	96.50	20.0	55	80	100	ND	V	4		
166.	ASERI	026E53 59N27	96.60	15.0	52	10	50	ND	V	4		
167.	TALLINN	024E53 59N28	96.60	35.0	24	230	254	ND	V	4		
168.	VALGA	026E05 57N46	96.60	35.0	67	70	100	ND	H	4		
169.	VIGALA	024E20 58N45	96.60	15.0	14	50	50	ND	V	4		
170.	ORISSAARE	023E04 58N34	96.70	25.0	3	50	50	ND	V	4		
171.	AEGVIDU	025E37 59N18	96.80	25.0	94	30	50	ND	V	4		
172.	MATSURI	027E37 57N51	96.80	25.0	90	70	100	ND	H	4	3/LVA	ADD***
173.	PARNU	024E35 58N23	96.80	35.0	8	190	200	ND	H	4		
174.	KARDLA	022E46 59N00	96.90	35.0	10	90	100	ND	H	4		
175.	TURBA	024E15 59N04	96.90	15.0	58	30	50	ND	V	4		
176.	RAKVERE	026E21 59N21	97.10	35.0	85	70	100	ND	H	4		
177.	VANDRA	025E04 58N39	97.10	25.0	42	30	50	ND	V	4		
178.	TALLINN	024E53 59N28	97.20	35.0	24	230	254	D	V	4		
179.	HAADEMEESTE	024E30 58N05	97.30	15.0	20	30	50	ND	V	4		
180.	TARTU	026E42 58N22	97.30	35.0	62	190	200	ND	H	4		
181.	TARTU	026E42 58N22	97.20	30.0	62	50	60	ND	V	4		
182.	KOERU	026E01 58N58	97.40	40.0	90	283	295	ND	H	4		
183.	RAPLA	024E48 59N00	97.40	35.0	65	90	100	ND	H	4		
184.	VASKNARVA	027E43 59N00	97.40	15.0	32	50	50	ND	V	4		
185.	KURESSAARE	022E29 58N15	97.40	35.0	4	196	200	D	H	4	140-160/-5dB	
186.	LOKSA	025E43 59N35	97.50	25.0	16	90	100	ND	H	4		

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FROM 2005
UNTIL 2005
UNTIL 2005
FROM 2005

Albistez
Jaanus Jaan

N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency	Effective radiation power	Altitude of site above sea level	Height of antenna above ground level	Maximum effective antenna height	Directivity of antenna (D / ND)	Polarization	Sys-tem	Restrictions*	Remarks
187.	HAAPSALU	023E35 58N57	97.60	35.0	2	90	100	ND	H	4		
188.	NARVA	028E11 59N23	97.60	25.0	26	70	100	ND	H	4		
189.	RUHNU	023E16 57N48	97.60	5.0	15	10	25	ND	V	4		
190.	PÄRNU	024E33 58N23	97.70	35.0	7	193	200	D	V	4	200-220/15dB 3/LVA/D 130-150/7dB	ADD
191.	KALLASTE (B-busid (anna))	027E07 58N40	97.70	25.0	50	30	50	ND	V	4		
192.	TALLINN KESKUS 1	024E46 59N26	97.80	33.0	13	180	193	ND	V	4		
193.	KÄRDLA	022E46 59N00	97.90	35.0	3	97	100	ND	V	4		ADD
194.	AVINURME	026E50 59N00	97.90	25.0	65	30	50	ND	V	4		
195.	VILJANDI	025E37 58N20	97.90	35.0	70	70	100	ND	H	4		
196.	SORVE	022E07 58N03	98.10	25.0	20	70	100	ND	H	4		
197.	VIHTERPALU (ARBol (H910))	023E45 59N14	98.10	15.0	17	30	50	ND	V	4		
198.	KILINGI	025E00 58N10	98.20	25.0	55	70	100	ND	H	4		
199.	KOHTLA	027E12 59N21	98.20	35.0	58	150	200	ND	H	4		
200.	RANNU	026E13 58N15	98.20	15.0	59	30	50	ND	V	4		
201.	VIRTUS (Pärnu)	023E32 58N35	98.30	35.0	3	90	100	ND	H	4		
202.	KIHELKONNA	022E03 58N22	98.40	15.0	16	30	50	ND	V	4		
203.	POLTSAMAA	025E59 58N39	98.40	15.0	55	30	50	ND	V	4		
204.	TALLINN	024E53 59N28	98.40	35.0	24	183	207	D	V	4		
205.	RAKVERE (H910 (282))	026E21 59N21	98.50	35.0	85	70	97	ND	V	4		
206.	VALGA	026E05 57N46	98.50	35.0	67	70	100	ND	H	4		
207.	VIGALA	024E20 58N45	98.50	15.0	14	50	50	ND	V	4		
208.	JOGEVA (H910)	026E22 58N44	98.60	35.0	80	70	100	ND	V	4		MOD H
209.	ORISSAARE	023E04 58N34	98.60	27.0	3	150	153	ND	V	4		MOD
210.	MATSURI	027E37 57N51	99.00	25.0	90	70	100	ND	H	4		
211.	AEVVIDU	025E37 58N18	99.00	25.0	94	30	50	ND	V	4		
212.	PÄRNU	024E35 58N23	99.00	35.0	8	190	200	ND	H	4		
213.	KÄRDLA (H910 (anna))	022E46 59N00	99.10	35.0	10	90	100	ND	H	4		
214.	OTEPAA	026E30 58N04	99.10	25.0	207	10	50	ND	V	4		
215.	TURBA	024E15 59N04	99.10	15.0	58	30	50	ND	V	4		
216.	RAKVERE	026E21 59N21	99.20	35.0	85	170	197	ND	H	4		
217.	VANDRA	025E04 58N39	99.20	25.0	42	30	50	ND	V	4		



 Pärnu - Järve (Pärnu)



N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency MHz	Effective radiation power dBW	Altitude of site above sea level m	Height of antenna above ground level m	Maximum effective antenna height m	Directivity of antenna (D / ND)	Polarization	System	Restrictions*	Remarks
218.	TALLINN	+ 024E45 59N26	99.30	25.0	10	90	100	ND	V	4		MOD ex 20 dBW
219.	HAADMEESTE	- 024E30 58N05	99.40	15.0	20	30	50	ND	V	4		
220.	TARTU	+ 026E42 58N22	99.40	35.0	62	190	200	ND	H	4		
221.	RAPLA (Kõrve)	+ 024E48 59N00	99.50	35.0	65	90	100	ND	H	4		
222.	VASKNARVA	+ 027E43 59N00	99.50	15.0	32	50	50	ND	V	4		
223.	KOHTLA (Põhja)	+ 027E12 59N21	99.60	35.0	58	169	200	ND	V	4		
224.	KURESSAARE	+ 022E29 58N15	99.60	35.0	9	190	200	ND	H	4		
225.	AVINURME	- 026E50 59N00	99.70	25.0	65	30	50	ND	V	4		
226.	VILJANDI	+ 025E37 58N20	99.70	35.0	70	70	100	ND	H	4		
227.	HAAPSALU	+ 023E35 58N57	99.80	35.0	2	90	100	ND	H	4		
228.	RUHNU	+ 023E16 57N48	99.80	5.0	15	10	25	ND	V	4		
229.	NARVA (100,0)	+ 028E11 59N23	99.80	25.0	26	80	100	ND	V	4		FROM 2005 MOD ex 100.0 MHz
230.	KALLASTE	- 027E07 58N40	99.90	25.0	50	30	50	ND	V	4		
231.	VORU	+ 027E02 57N45**	99.90	35.0	199	100	215	ND	H	4		MOD

* 3/LVA: Assignment can be brought into use after closing of Cesvaine R5 TV station.

* 3/LVA/D: Assignment can be used with restrictions until closing of Cesvaine R5 TV station.

** Due to the strong irregularity of terrain any change of location of the station is subject to previous agreement with Latvian Administration.

*** Estonian Administration considers these frequency assignments as coordinated with Latvian Administration in 1993 (letters: RR-REQ from 20.09.93 and 8-1/3-536 from 03.11.93).

For Latvian Administration:

For Estonian Administration:

[Signature] 08.06.2002

[Signature] Liina Kain

EST - 1 SA 2002

LIST OF ESTONIAN FM STATIONS (87.5 – 99.9 MHz)
Non-solved stations

ANNEX 6

N°	Transmitting antenna site name	Coordinates long/lat	Assigned frequency	Effective radiation power	Altitude of site above sea level	Height of antenna above ground level	Maximum effective antenna height	Directivity of antenna (D / ND)	Polarization	System	Restrictions	Notes
		Deg/min	MHz	dBW	m	m	m					
1.	VALGA	026E05 57N46	88.40	35.0	67	70	100	ND	H	4		1
2.	VILJANDI	025E37 58N20	89.30	35.0	70	70	100	ND	H	4	240-250/8dB	1, 4
3.	VORU	027E02 57N45	89.50	35.0	199	100	215	ND	H	4		1, 3
4.	VORU	027E02 57N45	93.80	35.0	199	100	215	ND	V	4	3/LVA	1, 3, 5
5.	PAIDE	025E34 58N53	94.20	35.0	65	190	200	ND	H	4	140-160/12dB	1, 4
6.	VALGA	026E05 57N46	94.60	35.0	67	70	100	ND	V	4		1, 3
7.	TARTU	026E42 58N22	95.20	35.0	62	190	200	ND	V	4	3/LVA/D 150-190/5dB	1, 3, 6
8.	JOGEVA	026E22 58N44	96.70	35.0	80	70	100	ND	V	4	3/LVA/D 160-180/5dB	1, 3
9.	VALGA	026E04 57N48	97.50	35.0	60	88	100	ND	V	4		2
10.	VORU	027E02 57N45	97.80	35.0	199	100	215	ND	V	4	230-260/5 dB 3/LVA	1, 3, 5
11.	PAIDE	025E34 58N53	98.10	35.0	65	190	200	ND	H	4	3/LVA/D 140-160/12dB	1, 3
12.	POLVA	027E06 58N04	98.30	35.0	68	70	100	ND	V	4	3/LVA/D 160-220/8dB	1, 3

Note 1: Estonian Administration considers these frequency assignments as coordinated with Latvian Administration in 1993 (letters: RR-REQ from 20.09.93 and 8-1/3-536 from 03.11.93).

Note 2: New assignments proposed on 2000.

[Signature]
7.10.2000

[Signature]

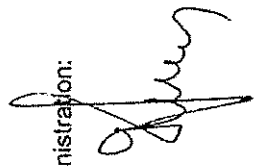
Note 3: Modifications proposed on 2001.

Note 4: Estonian administration will consider proposed restrictions and the comments will be given by correspondence.

Note 5: Due to the strong irregularity of terrain any change of location of the station is subject to previous agreement with Latvian Administration.

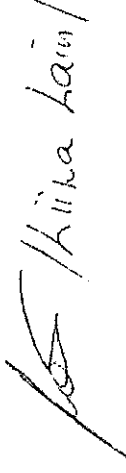
Note 6: Station in operation with lower characteristics.

For Latvian Administration:



J. Kļaviņš

For Estonian Administration:


K. Kõiva