

Agreement

between the Telecommunications Administrations of the
Russian Federation and the Republic of Poland on
principles and criteria for bilateral coordination of analogue and digital
terrestrial TV broadcasting in the frequency band 470 - 862 MHz

Nida, 28 August 2009

Regulations of this document cover frequency band 470-862 MHz. Conditions and principles of coordination provided in this document embrace only coordination between the broadcasting services and do not abrogate the provisions of the Agreement Geneva-06 relating to coordination with broadcasting and other primary services. This document does not contain principles and conditions for coordination of other primary services other than broadcasting.

1. General principles

1.1. All coordination procedures according to Geneva Agreement (GE06) should be preceded by bilateral coordination.

1.2. To carry out bilateral coordination of broadcasting (TV) assignments/allotments the following procedure is proposed:

Administrations should reply to the request for coordination of assignments/allotments for broadcasting service within 10 weeks from the date of the request sent by email and fax. If no reply is received, an urgent reminder shall be sent. Administrations which have not replied within 2 weeks following the dispatch of the urgent reminder shall be considered as agreed to the proposed changes if only the Administration whose agreement is being sought has not requested additional time for consideration of this coordination request but not more than two weeks.

1.3. Administration may use the evaluation results obtained on the basis of the criteria and principles given below when preparing its reply to coordination request. The Administration may also use the evaluation of the impact of the coordinated assignment/allotment on the development of broadcasting services in its territory independently of the calculation results of EMC between terrestrial stations when preparing its reply to the coordination request.

Administration objecting to the received coordination request should try to propose a reasonable modification to the request which adequately protects its existing or planned services. A reasonable modification means for example a suitable ERP level limitation or an alternative TV channel use.

1.4. If any disagreement has arisen during the implementation of this document, the Administration shall be guided by provisions and procedures of the Agreement Geneva-06.

1.5. All requirements concerning coordination with analogue assignments are applicable during transition period only. The restrictions imposed because of analogue assignments are automatically voided after transition period ends or can be removed earlier if both Administrations agree.

1.6. Any assignment/allotment cannot claim protection from any other administration which is considered not to be affected in accordance with the GE06 Agreement by that assignment/allotment unless it has been mutually coordinated.

1.7. Any DVB-T assignment/allotment (including linked assignments) proposed for modification of the GE06D Plan or already recorded in the GE06D Plan having higher protection requirements (e.g. RPC1) than those corresponding to RPC2 which have been used in the production of the Plan shall claim protection according to RPC2 conditions.

2. Coordination related to implementation of allotments entered in the GE06 Plan

2.1. The implementation of allotments bearing the remark R-1 shall be determined according to the agreed criteria given in paragraph 2 of the Methods (Annex A).

Ujendra Palhar

[Signature]

2.2. The coordination of the implementation of the GE06D Plan allotments pointed in "Agreement between Administrations of Russian Federation and Poland concerning the rules of protection for future implementation of the DVB-T and T-DAB records in the Plan, adopted at Regional Radiocommunication Conference (RRC-06)" signed on 1th of June 2006 shall be carried out according to the Agreement, noted above.

3. Coordination of assignments and allotments proposed to be added to the GE06 Plan or proposed to be modified in the GE06 Plan

3.1. The compatibility with the analogue frequency assignments shall be determined according to the agreed criteria given in paragraph 3.1 of the Methods (Annex A).

3.2. The compatibility with the corresponding digital plan entries shall be determined according to the agreed criteria given in paragraph 3.2 of the Methods and agreed procedure given in paragraph 3.3 of the Methods (Annex A).

4. Entry into force, revision or cancellation of this Agreement

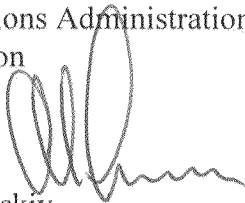
4.1. This Agreement shall enter into force at the first day of the month following the date of the signing.

4.2. This Agreement may be revised at any time on the initiative of any Party subject to approval by another Party.

4.3. The Party may withdraw this Agreement notifying the other Parties on its intention at least six months in advance.

4.4. This Agreement has been drawn up in two identical copies: one for each Party.

On behalf of the
Telecommunications Administration of the
Russian Federation



Leonid Mikhalevskiy

On behalf of the
Telecommunications Administration of the
Republic of Poland



Wiktor Sęga

Calculation method and EMC evaluation criteria for terrestrial broadcasting in the framework of the Geneva 2006 Agreement (GE06)

Principles, calculation method and EMC evaluation criteria are based on the provisions of Articles of the Geneva 2006 Agreement (GE06) and ITU-R Recommendations.

1. Calculation method

1.1. EMC calculations shall be made according to the last version of the ITU-R P.1546 Recommendation and the method provided in Annex 2 of the GE06 Agreement. Tropospheric interference levels shall be calculated with the use of propagation curves for 1% of time.

Aggregate field strength of interference shall be calculated according to power summation method as defined in GE06 Agreement.

1.2. Necessity of coordination shall be determined on the basis of coordination limits given in the methods of Annex 4 of the GE06 Agreement.

1.3. Receiving antenna directivity and polarization discrimination shall be taken into account under Recommendation ITU-R BT.419 both for analogue and digital assignments/allotments with fixed reception. In case of orthogonal polarization the combined discrimination value of 16 dB (item 3.2.1.5 of Chapter 3 of Annex 2 of the GE06 Agreement) shall be used for all azimuth angles in bands III - V. Polarization discrimination shall not be taken into account for digital broadcasting mobile and portable reception.

1.4. Interference level calculations shall be made with the use of the protection ratios according to the Recommendation ITU-R BT.655 and BT.1368 and also Annex 3.3 of Article 3 of the GE06 Agreement.

1.5. When referencing to any ITU-R Recommendations in this document, the latest versions adopted and published shall be used unless otherwise stated.

1.6. The test points of existing analogue assignments shall be defined at the boundary of the service area with the 10° interval in the azimuth directions from the station site.

Interference level calculation for all plan entries shall be made according to the calculation methods provided in Annex 3.7 or Article 3 of the GE06 Agreement. However, for implementation of allotments with linked assignments, interference is calculated as if caused only by assignments contained in the MIFR and assignments sent for coordination.

2. Compatibility evaluation criteria for implementation of allotments entered in the GE06 Plan bearing the remarks R-1

To assess the compatibility of the implementation of an allotment bearing remarks R-1 with existing and planned broadcasting services of the other Party, the following criteria shall be used:

as a result of allotment implementation, the increase of the usable field strength of any analogue assignment of other Party recorded in the analogue GE06A Plan or mutually coordinated in accordance with the provisions of the GE06 Agreement shall not exceed 0.3 dB at any test point of corresponding assignment.

Ujwal Patel

The usable field strength before the implementation of allotment is calculated using all the existing entries in the GE06A Plan and all mutually coordinated frequency assignments in accordance with provisions of the GE06 Agreement. The usable field strength after implementation of allotment is calculated using all existing entries found in the GE06A Plan and all mutually coordinated frequency assignments in accordance with provisions of the GE06 Agreement, excluding analogue entries replaced by the allotment implementation (if any) and adding the digital assignments.

3. Compatibility evaluation criteria for assignments and allotments proposed to be added to the GE06 Plan or proposed to be modified in the GE06 Plan

To assess the compatibility of the assignments, allotments proposed to be added to GE06 Plan or to be modified in the GE06 Plan the following criteria shall be used:

3.1. As a result of addition or modification of GE06D Plan, the resultant increase of the usable field strength of any analogue assignment of the other Party recorded in the GE06A Plan or mutually coordinated shall not exceed 0.3 dB at any test point of corresponding assignment. The usable field strength before the addition or modification of assignment is calculated using all the existing entries found in the GE06A Plan and mutually coordinated in the corresponding test points, defined above (item 1.6).

3.2. As a result of addition or modification, the nuisance field strength in any test point of any GE06D Plan entry of the other Party shall not exceed the higher value of:

- a) The corresponding reference value of minimum median field strength by 3 dB margin less;
- b) The interfering field strength produced by the assignment or allotment to be modified at the same test point as defined in item a).

Test point locations for various types of Plan entries are defined in Appendix 3.7 to Annex 2 to the GE06 Agreement.

3.3. In case the criteria given in items 3.1 and 3.2 are not met when modification of the existing allotments in the Plan GE06D and adding the new allotments the below indicated procedure shall be applied:

- The Side, which needs to modify the existing allotments or add new allotments, submits the request by email and fax to other Side with the mandatory indication of the technical characteristics in accordance with ITU BR Circular letter CR-262;
- The Side, whose consent for modification of the existing allotments or adding the new allotments, is requested, should provide the conditions for the coordination in its reply to the coordination request;
- The Side, which needs to modify the existing allotments or add new allotments, shall indicate in the "t_remarks" field of the GT2 form the following information when sending the information on the modified allotment or the new allotment: "implementation must be coordinated with XXX" (XXX: "RUS" – for Poland or "POL" – for Russia). This information means that the implementation of the modified or added allotment shall be coordinated with the affected Administration;
- The Side, which submits the modified allotment or new allotment to ITU BR for publication in GE06D Plan, shall at the same time inform the affected Administration about it by fax and e-mail.

Ug'ar Penilov



№	Transmitting antenna site name	Coordinates		Channel	Effective radiated power dbW	Reception mode	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	SFN ID	Remarks
		Long	Lat										
13	BOLSHAKOVO KALIN	021E4300	54N5500	47	30.0	FX	8	44	41	ND	H	kalin SOVETSK_47_1	
14	KRASNOZNAMENSK KALIN	022E3000	54N5700	47	30.0	FX	35	70	72	D	H	kalin SOVETSK_47_1	
15	SOVETSK KALIN	021E5600	55N0500	47	20.0	FX	30	61	75	ND	H	kalin SOVETSK_47_1	
16	DOMNOVO KALIN	020E5000	54N2600	47	20.0	FX	76	68	106	ND	H	kalin_ZHELEZNODOROZHNYI_47_1	
17	GOLOVKINO KALIN	021E1600	54N5800	47	20.0	FX	8	69	69	ND	H	kalin_ZHELEZNODOROZHNYI_47_1	
18	KUIBYSHEVSKOE KALIN	021E1700	54N3800	47	35.0	FX	40	72	97	ND	H	kalin_ZHELEZNODOROZHNYI_47_1	
19	TURGENEVO KALIN	021E0200	54N5100	47	20.0	FX	20	70	68	ND	H	kalin_ZHELEZNODOROZHNYI_47_1	
20	ZAPOVEDNOE KALIN	021E2500	55N0300	47	20.0	FX	16	65	55	ND	H	kalin_ZHELEZNODOROZHNYI_47_1	
21	ZHELEZNODOROZHNYI KALIN	021E1900	54N2200	47	20.0	FX	45	70	85	ND	H	kalin_ZHELEZNODOROZHNYI_47_1	
22	PECHORY PSK	027E3400	57N4900	49	30.0	FX	190	90	124	ND	H	RUS49679	
23	PSKOV	028E1700	57N4900	49	38.0	FX	50	180	194	ND	H	RUS49679	
24	SCUCHYA GORA PSK	029E0300	57N5200	49	20.0	FX	71	70	88	ND	H	RUS49679	
25	SEREDKA PSK	028E1100	58N1100	49	20.0	FX	82	100	156	ND	H	RUS49679	
26	SHUMILKINO PSK	027E2500	57N3900	49	20.0	FX	185	73	121	ND	H	RUS49679	
27	STRUGI KRASNIE PSK	029E0500	58N1900	49	37.0	FX	175	82	122	ND	H	RUS49679	

№	Transmitting antenna site name	Coordinates		Channel	Effective radiated power dbW	Reception mode	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	SFN ID	Remarks									
		Long Deg/min/sec	Lat																			
28	TSAPELKA PSK	028E5600	58N0200	49	20.0	FX	107	88	133	ND	H	RUS48679										
				Heff,m: 55	56	57	63	75	89	102	113	120	127	130	130	131	133	133				
					132	133	132	131	129	128	125	124	120	111	101	91	80	65	59	54	48	58
29	GLUBOKOE PSK	029E0100	56N3600	52	45.0	FX	188	150	207	ND	H	psk GLUBOKOE 52_1										
				Heff,m: 144	147	158	160	157	152	153	156	160	164	161	168	172	174	176	180	187	172	
					177	176	194	198	202	206	205	205	204	207	193	193	194	185	178	180	177	163
30	PTUSHKINO PSK	028E3300	56N1900	52	45.0	FX	142	105	126	ND	H	psk GLUBOKOE 52_1										
				Heff,m: 117	123	126	124	118	109	99	102	108	110	99	94	96	93	92	94	99	95	
					90	102	118	119	119	109	109	97	91	81	82	89	108	118	125	122	115	117
31	PUSTOSHKKA PSK	029E2300	56N1900	52	37.0	FX	158	100	115	ND	H	psk GLUBOKOE 52_1										
				Heff,m: 92	84	75	78	74	82	85	87	93	97	98	87	85	87	89	91	79	80	
					91	93	97	95	96	103	105	102	103	106	114	115	111	103	107	103	95	95

Analogue assignment of Russian Administration coordinated with Lithuanian Administration

№	Transmitting antenna site name	Coordinates		Channel	Offset	Effective radiated power		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	Remarks
		Long Deg/min/sec	Lat Deg/min/sec			Video	Sound							
1	GLUBOKOE PSK	029E0100	56N3600	29	0	42.8	32.8	188	150	214	D	H	KS	
						ERP reduction H, dB:								
						0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
						0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
						Heff, m:	149	143	141	142	144	145	146	148
							150	150	154	159	167	176	180	184
							188	188	190	193	197	201	203	205
							206	208	210	212	214	212	208	201
							191	176						

List of digital assignments of Lithuanian Administration coordinated with Russian Administration

No	Name	Ch	Adm.Ref. ID	Longitude	Latitude	Hasl, m	e.r.p., dBW	Pol	Hant, m	Directivity	Heff, m	Allotment ID	Remarks
1	BUBIAI	22	12/2_SIAUL-22/BUBIA	023E0847	55N5110	129	47,0	H	230	ND	245	12/2_SIAULIAI-22	
2	TAURAGE	23	10/1_TAURA-23/TAURA	022E1649	55N1522	44	35,0	H	150	D (200°/-3dB; 210°/-2dB)	178	10/1_TAURAGE-23	
3	BUBIAI	24	12/3_SIAUL-24/BUBIA	023E0847	55N5110	129	36,0	H	230	D (220°/-3dB)	245	12/3_SIAULIAI-24	
4	ALYTUS	25	08/5_ALYTU-25/ALYTU	024E0023	54N2346	120	35,0	H	103	D (280°/-1dB)	142	08/5_ALYTUS-25	analogue stations Juragai 25ch, Moletai 25ch, Birzai 25ch and Varena 25ch must be switched off before implementing these allotments
5	BIRZAI	25	13/2_PANEV-25/BIRZA	024E4915	56N1500	68	45,0	H	91	ND	111	13/2_PANEVEZYS-25	
6	DRUSKININKAI	25	08/5_ALYTU-25/DRUSK	023E5935	53N5950	100	38,0	H	117	D (290°-300°/-3dB)	125	08/5_ALYTUS-25	
7	PAZAGIENIAI	25	13/2_PANEV-25/PAZAG	024E2308	55N4201	57	46,0	H	100	D (230°/-1dB)	109	13/2_PANEVEZYS-25	
8	TAURAGE	27	10/2_TAURA-27/TAURA	022E1649	55N1522	44	47,0	H	150	ND	178	10/2_TAURAGE-27	
9	ALYTUS	30	08/6_ALYTU-30/ALYTU	024E0023	54N2346	120	41,0	H	103	D (290°/-3dB)	142	08/6_ALYTUS-30	analogue station Taurage 39ch must be switched off before implementing this allotment
10	DRUSKININKAI	30	08/6_ALYTU-30/DRUSK	023E5935	53N5950	100	41,0	H	117	ND	125	08/6_ALYTUS-30	
11	PAZAGIENIAI	30	ASSIGN_PAZAGIEN-30	024E2308	55N4201	57	40	H	100	ND	109		
12	BUBIAI	34	03/1_SIAUL-34/BUBIA	023E0847	55N5110	129	47,0	H	230	ND	245	03/1_SIAULIAI-34	
13	BIRZAI	36	13/4_PANEV-36/BIRZA	024E4915	56N1500	68	35,0	H	91	ND	111	13/4_PANEVEZYS-36	
14	BUBIAI	36	TEMP_BUBIAI-36	023E0847	55N5110	129	47,0	H	230	D (50°-60°/-2dB)	245		
15	JONISKIS	36	TEMP_JONISKIS-36	023E3802	56N1422	50	40,0	H	78	ND	87		
16	MAZEIKIAI	36	TEMP_MAZEIKIAI-36	022E2029	56N1811	66	40,0	H	98	ND	103		
17	NAUJOJI AKMENE	36	TEMP_N.AKMENE-36	022E5500	56N1900	76	40,0	H	48	ND	51		
18	NIDA	36	01/1_KLAIP-36/NIDA	020E5958	55N1825	30	30,0	H	60	ND	90	01/1_KLAIPEDA-36	
19	PASVALYS	36	13/4_PANEV-36/PASVA	024E2442	56N0308	30	35,0	H	84	ND	79	13/4_PANEVEZYS-36	
20	PAZAGIENIAI	36	13/4_PANEV-36/PAZAG	024E2308	55N4201	57	42,0	H	100	ND	109	13/4_PANEVEZYS-36	
21	RASEINIAI	36	TEMP_RASEINIAI-36	023E0824	55N2157	98	40,0	H	120	ND	150		
22	ROKISKIS	36	13/4_PANEV-36/ROKIS	025E3556	55N5653	134	35,0	H	99	D (30°/-2dB)	132	13/4_PANEVEZYS-36	
23	SILUTE	36	01/1_KLAIP-36/SILUT	021E2908	55N2101	10	35,0	H	78	ND	87	01/1_KLAIPEDA-36	

No	Name	Ch	Adm.Ref. ID	Longitude	Latitude	Hasl, m	e.r.p., dBW	Pol	Hant, m	Directivity	Heff, m	Allotment ID	Remarks
24	SKUODAS	36	TEMP_SKUODAS-36	021E3150	56N1540	28	43,0	H	89	ND	101		
25	TAURAGE	36	TEMP_TAURAGE-36	022E1649	55N1522	44	40,0	H	150	ND	178		
26	TELSIAI	36	TEMP_TELSAI-36	022E1442	55N5857	142	47,0	H	130	ND	150		
27	VIESINTOS	36	13/4_PANEV-36/VIESI	024E5900	55N4134	120	40,0	H	190	D (30°/-3dB; 70°-80°/-1dB)	220	13/4_PANEVEZYS-36	
28	BIRZAI	37	05/1_BIRZA-21/BIRZA	024E4915	56N1500	68	45,0	H	91	ND	111	04/1_PANEVEZYS-37	
29	PAZAGIENIAI	37	04/1_PANEV-37/PAZAG	024E2308	55N4201	57	46,0	H	100	D (230°-240°/-3dB)	109	04/1_PANEVEZYS-37	
30	VILNIUS	37	TEMP_VILNIUS-37	025E1257	54N4116	172	33,0	H	304	ND	360		
31	JURAGIAI	39	16/4_KAUNA-39/JURAG	023E4750	54N4806	92	44,0	H	200	D (150°-160°/-3dB; 170°-190°/-1dB)	234	16/4_KAUNAS-39	
32	MARIJAMPOLĖ	39	16/4_KAUNA-39/JURAG	023E2113	54N3150	83	37,0	H	43	ND	65	16/4_KAUNAS-39	
33	ALYTUS	40	08/7_ALYTU-40/ALYTU	024E0023	54N2346	120	43,0	H	103	D (280°/-2dB)	142	08/7_ALYTUS-40	
34	DRUSKININKAI	40	08/7_ALYTU-40/DRUSK	023E5935	53N5950	100	41,0	H	117	ND	125	08/7_ALYTUS-40	analogue stations Telsiai 41ch and Joniskis 41ch must be switched off before implementing this allotment
35	BUBIAI	41	12/4_SIAUL-41/BUBIA	023E0847	55N5110	129	41,0	H	230	D (220°/-3dB; 280°/-2dB)	245	12/4_SIAULIAI-41	
36	GIRULIAI	43	ASSIGN_GIRULIAI-43	021E0556	55N4607	25	30,0	H	190	D (160°/-4dB; 170°/-6dB; 180°-240°/-8dB; 250°/-6dB; 260°/-4dB)	215		
37	GIRULIAI	45	ASSIGN_GIRULIAI-45	021E0556	55N4607	25	30,0	H	190	D (160°/-4dB; 170°/-6dB; 180°-240°/-8dB; 250°/-6dB; 260°/-4dB)	215		
38	LAZDIAI	47	08/8_ALYTU-47/LAZDI	023E2952	54N1258	135	37,0	H	85	ND	98	08/8_ALYTUS-47	
39	VISAGINAS	48	ASSIGN_VISAGINAS-48	026E2601	55N3633	151	30,0	H	200	ND	209		
40	DIEVENISKES	50	15/5_VILNI-50/DIEVE	025E3710	54N1140	175	30,0	H	61	ND	73	15/5_VILNIUS-50	
41	GIRULIAI	50	11/5_KLAIP-50/GIRUL	021E0556	55N4607	25	45,0	H	190	D (220°-230°/-1dB)	215	11/5_KLAIPEDA-50	analogue stations Marijampole 50ch, Vilnius 50ch and Klaipeda
42	KAIŠIADORYS	50	15/5_VILNI-50/KAIŠI	024E2600	54N5200	90	37,0	H	85	ND	100	15/5_VILNIUS-50	

No	Name	Ch	Adm.Ref. ID	Longitude	Latitude	Hasl, m	e.r.p., dBW	Pol	Hant, m	Directivity	Heff, m	Allotment ID	Remarks
43	MOLETAI	50	15/5_VILNI-50/MOLET	025E2450	55N1320	172	33,0	H	109	ND	150	15/5_VILNIUS-50	50ch must be switched off before implementing these allotments
44	SALCININKAI	50	15/5_VILNI-50/SALCI	025E2310	54N1835	172	40,0	H	99	ND	115	15/5_VILNIUS-50	
45	SIRVINTOS	50	15/5_VILNI-50/SIRVI	024E5503	55N0100	110	40,0	H	93	ND	100	15/5_VILNIUS-50	
46	TAURAGE	50	11/5_KLAIP-50/TAURA	022E1649	55N1522	44	47,0	H	150	ND	178	11/5_KLAIPEDA-50	
47	TELSIAI	50	11/5_KLAIP-50/TELSI	022E1442	55N5857	142	47,0	H	130	ND	150	11/5_KLAIPEDA-50	
48	UKMERGE	50	15/5_VILNI-50/UKMER	024E4913	55N1418	140	40,0	H	28	ND	100	15/5_VILNIUS-50	
49	ALYTUS	55	ASSIGN_ALYTUS-55	024E0023	54N2346	167	35,0	H	105	ND	191		
50	BUBIAI	57	03/3_SIAUL-57/BUBIA	023E0847	55N5110	129	47,0	H	230	D (200°-210°/-4dB)	245	03/3_SIAULIAI-57	
51	JONISKIS	57	03/3_SIAUL-57/JONIS	023E3802	56N1422	50	40,0	H	78	ND	87	03/3_SIAULIAI-57	
52	KELME	57	03/3_SIAUL-57/KELME	022E5715	55N3955	108	37,0	H	63	ND	59	03/3_SIAULIAI-57	
53	NAUJOJI AKMENE	57	03/3_SIAUL-57/NAUJO	022E5500	56N1900	76	40,0	H	47	ND	50	03/3_SIAULIAI-57	
54	SEDUVA	57	03/3_SIAUL-57/SEDUV	023E4500	55N4600	89	37,0	H	81	ND	90	03/3_SIAULIAI-57	
55	KAISADORYS	57	15/6_VILNI-57/KAISI	024E2600	54N5200	90	37,0	H	85	ND	100	15/6_VILNIUS-57	
56	MOLETAI	57	15/6_VILNI-57/MOLET	025E2450	55N1320	172	37,0	H	109	ND	150	15/6_VILNIUS-57	
57	SALCININKAI	57	15/6_VILNI-57/SALCI	025E2310	54N1835	172	37,0	H	100	ND	116	15/6_VILNIUS-57	analogue station Ukmerge 57ch must be switched off before implementing this allotment
58	SIRVINTOS	57	15/6_VILNI-57/SIRVI	024E5503	55N0100	110	37,0	H	93	ND	100	15/6_VILNIUS-57	
59	VILNIUS	57	15/6_VILNI-57/VILNI	025E1257	54N4116	172	43,0	H	299	D (270°/-1dB)	356	15/6_VILNIUS-57	
60	JONAVA	58	04/3_PANEV-58/JONAV	024E1605	55N0408	60	40,0	H	56	D (270°-280°/-4dB)	58	04/3_PANEVEZYS-58	
61	KEDAINIAI	58	04/3_PANEV-58/KEDAI	023E5900	55N1700	50	40,0	H	101	D (260°-270°/-7dB)	120	04/3_PANEVEZYS-58	
62	UKMERGE	58	04/3_PANEV-58/UKMER	024E4913	55N1418	140	40,0	H	28	ND	100	04/3_PANEVEZYS-58	
63	PAZAGIENIAI	58	04/3_PANEV-58/PAZAG	024E2308	55N4201	57	47,0	H	100	D (240°-250°/-7dB)	109	04/3_PANEVEZYS-58	
64	VIESINTOS	58	04/3_PANEV-58/VIESI	024E5900	55N4134	120	42,0	H	190	D (250°-260°/-3dB)	220	04/3_PANEVEZYS-58	
65	ALYTUS	59	16/6_KAUNA-59/ALYTU	024E0023	54N2346	167	37,0	H	64	ND	150	16/6_KAUNAS-59	

No	Name	Ch	Adm.Ref. ID	Longitude	Latitude	Hasl, m	e.r.p., dBW	Pol	Hant, m	Directivity	Heff, m	Allotment ID	Remarks
66	DRUSKININKAI	59	ASSIGN_DRUSKININK-59	023E5935	53N5950	100	37,0	H	117	ND	125		
67	JONAVA	59	16/6_KAUNA-59/JONAV	024E1605	55N0408	60	37,0	H	60	ND	62	16/6_KAUNAS-59	
68	KEDAINIAI	59	16/6_KAUNA-59/KEDAI	023E5900	55N1700	50	40,0	H	101	ND	120	16/6_KAUNAS-59	
69	LAZDIJAI	59	16/6_KAUNA-59/LAZDI	023E2952	54N1258	135	33,0	H	85	ND	98	16/6_KAUNAS-59	
70	MARIJAMPOLIS	59	16/6_KAUNA-59/MARIJ	023E2113	54N3150	83	40,0	H	128	ND	150	16/6_KAUNAS-59	
71	SAKIAI	59	16/6_KAUNA-59/SAKIA	023E0230	54N5638	50	40,0	H	60	ND	69	16/6_KAUNAS-59	
72	VILKAVISKIS	59	16/6_KAUNA-59/VILKA	023E0222	54N3911	51	40,0	H	55	ND	60	16/6_KAUNAS-59	
73	JURAGIAI	60	ASSIGN_JURAGIAI-60	023E4750	54N4806	92	44,0	H	200	D (210°-220°/-1dB)	234		
74	RASEINIAI	61	10/3_TAURA-61/RASEI	023E0824	55N2157	98	40,0	H	120	ND	150	10/3_TAURAGE-61	
75	SAKIAI	61	10/3_TAURA-61/SAKIA	023E0230	54N5638	50	40,0	H	60	ND	69	10/3_TAURAGE-61	
76	TAURAGE	61	10/3_TAURA-61/TAURA	022E1649	55N1522	44	47,0	H	214	ND	242	10/3_TAURAGE-61	
77	MAZEIKIAI	64	02/3_TELSI-64/MAZEI	022E2029	56N1811	66	40,0	H	98	ND	103	02/3_TELSI-64	
78	SKUODAS	64	02/3_TELSI-64/SKUOD	021E9150	56N1540	28	40,0	H	89	ND	101	02/3_TELSI-64	
79	TELSIAI	64	02/3_TELSI-64/TELSI	022E1442	55N5857	142	47,0	H	130	ND	150	02/3_TELSI-64	
80	IGNALINA	65	06/3_VISAG-65/IGNAL	026E1009	55N2004	208	39,0	H	60	ND	123	06/3_VISAGINAS-65	
81	SVENCIONYS	65	06/3_VISAG-65/SVENC	026E0953	55N0751	177	33,0	H	80	ND	92	06/3_VISAGINAS-65	
82	UTENA	65	06/3_VISAG-65/UTEN	025E3445	55N3024	131	39,0	H	104	ND	137	06/3_VISAGINAS-65	
83	VISAGINAS	65	06/3_VISAG-65/VISAG	026E2601	55N3633	151	47,0	H	200	ND	209	06/3_VISAGINAS-65	

List of analogue assignments of Lithuanian Administration coordinated with Russian Administration

No	Name	Channel	Longitude	Latitude	Offset	Hasl, m	e.r.p., dBW	Pol	Hant, m	Directivity	Heff, m	Remark
1	NIDA	22	020E5958	55N1825	0	17	36.0	H	22	D (110°-120°/-2,5dB)	39	MOD
2	SKUODAS	28	021E3150	56N1540	10P	24	39.5	H	90	ND	98	MOD
3	KLAIPEDA	31	021E0556	55N4607	3M	32	36.0	H	92	D (10°/-0,5dB;20°-30°/-2dB;40°-50°/-1,4dB;60°/-2dB; 70°/-1,8dB;80°/-0,5dB;90°/-0,3dB;100°/-0,6dB;110°-120°/-2dB; 130°-140°/-1,7dB;150°-160°/-2dB;170°/-0,7dB;190°/-0,4dB; 200°/-1,4dB;210°/-3,1dB;220°/-6dB;230°/-8dB;240°/-12,1dB; 250°/-16,5dB;260°/-26dB;290°/-20dB;300°/-14dB; 310°/-10,5dB;320°/-6dB;330°/-3,1dB;340°/-1,3dB;350°/-0,2dB)	124	MOD
4	TELSIAI	32	022E1221	55N5847	6M	160	47.0	H	110	D (10°-80°/-6dB;90°-140°/-7dB;150°-160°/-8dB;170°/-7dB; 180°-220°/-6dB;320°-340°/-6dB;350°-0°/-11dB)	146	MOD from Plunge ch.32
5	PANEVEZYS	41	024E2308	55N4201	0	57	33.0	H	100	ND	109	MOD from ch.54
6	SILUTE	44	021E2908	55N2101	9P	10	43.0	H	109	D (310°-330°/-3dB)	118	MOD from Taurage ch.44
7	TAURAGE	48	022E1649	55N1522	5M	44	43.0	H	225	D (160°-170°/-2dB;220°-230°/-1dB)	253	MOD from Silute ch.48
8	UKMERGE	51	024E4913	55N1418	2P	140	35.0	H	103	D (10°-20°/-2dB;30°-50°/-3dB;60°-70°/-4dB;80°-160°/-3dB; 170°-180°/-4dB;190°-210°/-3dB;220°-230°/-2dB; 240°-260°/-1dB;340°-0°/-1dB)	175	MOD from ch.36

Digital assignment of Lithuanian Administration to be coordinated with Russian Administration services other than broadcasting

No	Name	Ch.	Adm.Ref. ID	Longitude	Latitude	Hasl, m	E.r.p., dBW	Pol	Hant, m	Directivity	Heff, m
1	BUBIAI	53	ASSIGN_BUBIAI-53	023E0847	55N5110	129	47,0	H	230	D (60°-70°/-2dB;170°-200°/-2dB)	245

Digital assignment of Lithuanian Administration for mutual coordination with Russian Administration

No	Name	Ch.	Adm.Ref. ID	Longitude	Latitude	Hasl, m	E.r.p., dBW	Pol	Hant, m	Directivity	Heff, m
1	JURAGIAI	54	ASSIGN_JURAGIAI-54	023E4750	54N4806	92	36,0	H	234	D (270°-280°/-6dB;290°/-3dB)	268

Analogue assignment of Russian Administration for mutual coordination with Lithuanian Administration

№	Transmitting antenna site name	Coordinates		Channel	Offset	Effective radiated power		Altitude of site above sea level	Height of antenna above ground level	Maximum effective antenna height	Directivity of antenna (D / ND)	Pol	System
		Long	Lat			Video	Sound						
1	KRASNOZNAMENSK KALIN	022E3000	54N5600	54	6	40.0	30.0	51	82	100	ND	H	KS
		Heff,m:		98 95 96 97 100 99 97 93 89 86 87 84 83 82 80 80 79 80									
				78 78 81 84 85 89 92 93 95 97 95 93 96 97 97 98 97 98									

List of the Russian DVB-T assignments which technical characteristics were agreed by Poland during the meeting

No	Name of station	Channel	Polarisation	Coordinates	H ter [m] a.s.l.	H ant [m] a.g.l.	Heff [m]	ERP [dBW]	Ant. directivity	SFN
1	BAGRATIONOVSK KALIN	47	H	20E3900 54N2300	71	50	70	20.0	ND	RUS47701
2	BALTIISK KALIN	47	H	19E5500 54N4000	9	50	59	20.0	ND	RUS47701
3	BOLSHAKOVO KALIN	47	H	21E4300 54N5500	8	44	41	30.0	ND	KALIN_SOVETSK_47_1
4	CHERNYSHEVSKOE KALIN	47	H	22E4100 54N3800	90	70	95	20.0	ND	RUS471710
5	DOMNOVO KALIN	47	H	20E5000 54N2600	76	68	106	20.0	ND	KALIN_ZHELEZNODOROZHNYI_47_1
6	GOLOVKINO KALIN	47	H	21E1600 54N5800	8	69	69	20.0	ND	KALIN_ZHELEZNODOROZHNYI_47_1
7	I RYBACHII KALIN	47	H	20E5100 55N0900	0	70	70	20.0	ND	RUS47701
8	KALININGRAD	47	H	20E3000 54N4400	25	151	176	37.0	D	RUS47701
9	KORNEVO KALIN	47	H	20E1800 54N2500	98	70	93	20.0	ND	RUS47701
10	KRASNOZNAMENSK KALIN	47	H	22E3000 54N5700	35	70	72	30.0	D	KALIN_SOVETSK_47_1
11	KUIBYSHEVSKOE KALIN	47	H	21E1700 54N3800	40	72	97	35.0	ND	KALIN_ZHELEZNODOROZHNYI_47_1
12	MAMONOVO KALIN	47	H	19E5500 54N2700	52	67	60	20.0	ND	RUS47701
13	OZ. VYSHTYNETSKOE KALIN	47	H	22E4200 54N2600	167	70	75	20.0	ND	RUS471710
14	SOVETSK KALIN	47	H	21E5600 55N0500	30	61	75	20.0	ND	KALIN_SOVETSK_47_1
15	SVETLOGORSK KALIN	47	H	20E0800 54N5600	50	34	84	20.0	ND	RUS47701
16	TURGENEVO KALIN	47	H	21E0200	20	70	68	20.0	ND	KALIN_ZHELEZNODOROZHNYI_47_1

Wojciech Poybowski

Grzegorz Kępczyński

No	Name of station	Channel	Polarisation	Coordinates	H ter [m] a.s.l.	Hant [m] a.g.l.	Heff [m]	ERP [dBW]	Ant. directivity	SFN
17	VESELOVKA KALIN	47	H	54N5100 22E0100 54N3600	41	151	150	41.0	ND	RUS471710
18	ZAPOVEDNOE KALIN	47	H	21E2500 55N0300	16	65	55	20.0	ND	KALIN_ZHELEZNODOROZHNYI_47_1
19	ZELENOGRADSK KALIN	47	H	20E2900 54N5800	3	28	31	20.0	D	RUS47701
20	ZHELEZNODOROZHNYI KALIN	47	H	21E1900 54N2200	45	70	85	20.0	ND	KALIN_ZHELEZNODOROZHNYI_47_1

Список радиостанций

Севастополь