

ID	Location	Position	[Runway] ILS Magn. Course / ILS Geogr. Course	Type	Frequency / Channel [Wave Number]	Band	Morse character	Callsign	Russian	Nation	Latitude	Longitude	Remarks / Status
1	Kobuleti (UGSX)	Runway	[07]	Localizer (Outer Marker)	870.00 kHz		-- --	KY	KY	Georgia	42° 55' 07" N	41° 48' 10" E	
2	Kobuleti (UGSX)	Runway	[07]	Localizer (Inner Marker)	490.00 kHz		-	T	T	Georgia	42° 55' 28" N	41° 50' 03" E	
3	Kobuleti (UGSX)	Runway	[07] 064°/070°	ILS	111.50 MHz		.. ---	IKB		Georgia			
4	Kobuleti (UGSX)	AirDrome		TACAN	67x		--- ---	KBL		Georgia			
5	Kobuleti (UGSX)	Tower		Air Traffic Control Aircraft Category 1	133.00 MHz	VHF				Georgia			
6	Kobuleti (UGSX)	Tower		Air Traffic Control Aircraft Category 3	40.80 MHz	UKW				Georgia			
7	Kobuleti (UGSX)	Tower		Air Traffic Control Aircraft Category 2	262.00 MHz	VHF				Georgia			
8	Kobuleti (UGSX)	Tower		Air Traffic Control (MIG-21Bis)	⑦					Georgia			
9	Kobuleti (UGSX)	Tower		Air Traffic Control (MIG-15Bis)	4.38 MHz [174]					Georgia			
10	Kobuleti (UGSX)	Tower		Air Traffic Control (L-39)	⑨					Georgia			
11	Kobuleti (UGSX)	Tower		Air Traffic Control	257.80 MHz	UHF				Georgia			Additional Combined Frequency
12	Kobuleti (UGSX)	Tower		Air Traffic Control	122.10 MHz	VHF				Georgia			Additional Combined Frequency
13	Kobuleti (UGSX)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Georgia			Additional Combined Frequency
14	Kobuleti (UGSX)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Georgia			Additional Combined Frequency
15	Kobuleti (UGSX)	Tower		Ground Controlled Approach - Final	385.00 MHz	UHF				Georgia			Additional Combined Frequency
16	Kobuleti (UGSX)	AirDrome	[07] 064°/070°	RSBN (VOR/DME) / PRMG (ILS)	15		-- -- ---	KOB		Georgia			
17	Gudauta (UG23)	Runway	[33]	Localizer (Inner Marker) / ARC (Sector 3-4)	395.00 kHz / ③		----- --- / ---	ZC / FH27	34	Abkhazia	43° 05' 56" N	40° 34' 43" E	
18	Gudauta (UG23)	Tower		Air Traffic Control Aircraft Category 1	130.00 MHz	VHF				Abkhazia			
19	Gudauta (UG23)	Tower		Air Traffic Control Aircraft Category 3	40.20 MHz	UKW				Abkhazia			
20	Gudauta (UG23)	Tower		Air Traffic Control Aircraft Category 2	259.00 MHz	VHF				Abkhazia			
21	Gudauta (UG23)	Tower		Air Traffic Control (MIG-21Bis)	⑥					Abkhazia			
22	Gudauta (UG23)	Tower		Air Traffic Control (MIG-15Bis)	4.20 MHz [168]					Abkhazia			
23	Gudauta (UG23)	Tower		Air Traffic Control (L-39)	⑩					Abkhazia			
24	Gudauta (UG23)	Tower		Air Traffic Control	257.80 MHz	UHF				Abkhazia			Additional Combined Frequency
25	Gudauta (UG23)	Tower		Air Traffic Control	122.10 MHz	VHF				Abkhazia			Additional Combined Frequency
26	Gudauta (UG23)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Abkhazia			Additional Combined Frequency
27	Gudauta (UG23)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Abkhazia			Additional Combined Frequency
28	Gudauta (UG23)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Abkhazia			Additional Combined Frequency
29	Tbilisi - Soganlug (UG24)	Tower		Air Traffic Control Aircraft Category 1	139.00 MHz	VHF				Georgia			
30	Tbilisi - Soganlug (UG24)	Tower		Air Traffic Control Aircraft Category 3	42.00 MHz	UKW				Georgia			
31	Tbilisi - Soganlug (UG24)	Tower		Air Traffic Control Aircraft Category 2	269.00 MHz	VHF				Georgia			
32	Tbilisi - Soganlug (UG24)	Tower		Air Traffic Control (MIG-15Bis)	4.65 MHz [166]					Georgia			
33	Tbilisi - Soganlug (UG24)	Tower		Air Traffic Control (L-39)	⑪					Georgia			
34	Tbilisi-Vaziani (UG27)	Runway	[14] 129°/135°	ILS	108.75 MHz		.. -----	IVZ		Georgia			
35	Tbilisi-Vaziani (UG27)	Runway	[32] 309°/315°	ILS	108.75 MHz		.. -----	IVZ		Georgia			Runway 32 is active at tailwind > 4m/s
36	Tbilisi-Vaziani (UG27)	AirDrome		TACAN	22x		----- -- ---	VAS		Georgia			
37	Tbilisi-Vaziani (UG27)	Tower		Air Traffic Control Aircraft Category 1	140.00 MHz	VHF				Georgia			
38	Tbilisi-Vaziani (UG27)	Tower		Air Traffic Control Aircraft Category 3	42.20 MHz	UKW				Georgia			
39	Tbilisi-Vaziani (UG27)	Tower		Air Traffic Control Aircraft Category 2	269.00 MHz	VHF				Georgia			
40	Tbilisi-Vaziani (UG27)	Tower		Air Traffic Control (MIG-15Bis)	4.70 MHz [169]					Georgia			
41	Tbilisi-Vaziani (UG27)	Tower		Air Traffic Control (L-39)	⑫					Georgia			
42	Tbilisi-Vaziani (UG27)	Tower		Air Traffic Control	257.80 MHz	VHF				Georgia			Additional Combined Frequency
43	Tbilisi-Vaziani (UG27)	Tower		Air Traffic Control	122.10 MHz	VHF				Georgia			Additional Combined Frequency
44	Tbilisi-Vaziani (UG27)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Georgia			Additional Combined Frequency
45	Tbilisi-Vaziani (UG27)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Georgia			Additional Combined Frequency
46	Tbilisi-Vaziani (UG27)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Georgia			Additional Combined Frequency
47	Tbilisi-Vaziani (UG27)	AirDrome	[32] 309°/315°	RSBN (VOR/DME) / PRMG (ILS)	11		- -----	TVA		Georgia			
48	Kutaisi-Kopitnari (UGKO)	Runway	[06]	Localizer (Inner Marker)	477.00 kHz		- -- ---	TIG	TH	Georgia	42° 10' 27" N	42° 27' 16" E	
49	Kutaisi-Kopitnari (UGKO)	Runway	[08] 068°/074°	ILS	108.75 MHz		.. --- ---	IKB		Georgia			
50	Kutaisi-Kopitnari (UGKO)	AirDrome		VOR	113.60 MHz		--- -- ---	KTS		Georgia	42° 10' 27" N	42° 27' 19" E	
51	Kutaisi-Kopitnari (UGKO)	AirDrome		TACAN	44x		--- -- ---	KTS		Georgia			
52	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control Aircraft Category 1	134.00 MHz	VHF				Georgia			
53	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control Aircraft Category 3	41.00 MHz	UKW				Georgia			
54	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control Aircraft Category 2	263.00 MHz	VHF				Georgia			
55	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control (MIG-21Bis)	⑪					Georgia			
56	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control (MIG-15Bis)	4.40 MHz [176]					Georgia			
57	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control (L-39)	⑬					Georgia			
58	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control	257.80 MHz	UHF				Georgia			Additional Combined Frequency
59	Kutaisi-Kopitnari (UGKO)	Tower		Air Traffic Control	122.10 MHz	VHF				Georgia			Additional Combined Frequency
60	Kutaisi-Kopitnari (UGKO)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Georgia			Additional Combined Frequency
61	Kutaisi-Kopitnari (UGKO)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Georgia			Additional Combined Frequency
62	Kutaisi-Kopitnari (UGKO)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Georgia			Additional Combined Frequency
63	Kutaisi-Kopitnari (UGKO)	AirDrome	[08] 068°/074°	RSBN (VOR/DME) / PRMG (ILS)	13		--- --- -	KUT		Georgia			
64	Senaki-Kolkhi (UGKS)	Runway	09	Localizer (Outer Marker)	156.00 kHz		- --	TI	TH	Georgia	42° 14' 58" N	41° 59' 11" E	
65	Senaki-Kolkhi (UGKS)	Runway	09	Localizer (Inner Marker)	129.00 kHz		--	I	M	Georgia	42° 14' 42" N	42° 01' 06" E	
66	Senaki-Kolkhi (UGKS)	Runway	[09] 089°/095°	ILS	108.90 MHz		.. - ---	ITS		Georgia			
67	Senaki-Kolkhi (UGKS)	AirDrome		TACAN	31x		- --- ---	TSK		Georgia			
68	Senaki-Kolkhi (UGKS)	Tower		Air Traffic Control Aircraft Category 1	132.00 MHz	VHF				Georgia			
69	Senaki-Kolkhi (UGKS)	Tower		Air Traffic Control Aircraft Category 3	40.60 MHz	UKW				Georgia			
70	Senaki-Kolkhi (UGKS)	Tower		Air Traffic Control Aircraft Category 2	261.00 MHz	VHF				Georgia			
71	Senaki-Kolkhi (UGKS)	Tower		Air Traffic Control (MIG-21Bis)	⑬					Georgia			
72	Senaki-Kolkhi (UGKS)	Tower		Air Traffic Control (MIG-15Bis)	4.30 MHz [172]					Georgia			
73	Senaki-Kolkhi (UGKS)	Tower		Air Traffic Control (L-39)	⑭					Georgia			



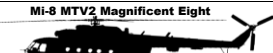
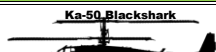




74	Senakid-Kolkhi (UGKS)	Tower		Air Traffic Control	257.50 MHz	UHF				Georgia				Additional Combined Frequency
75	Senakid-Kolkhi (UGKS)	Tower		Air Traffic Control	122.10 MHz	VHF				Georgia				Additional Combined Frequency
76	Senakid-Kolkhi (UGKS)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Georgia				Additional Combined Frequency
77	Senakid-Kolkhi (UGKS)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Georgia				Additional Combined Frequency
78	Senakid-Kolkhi (UGKS)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Georgia				Additional Combined Frequency
79	Senakid-Kolkhi (UGKS)	AirDrome	[09] 089°/095°	RSBN (VOR/DME) / PRMG (ILS)	14		---	---	SEK	Georgia				
80	Batumi (UGSS)	Runway	[13] 120°/126°	ILS	110.30 MHz		--	-----	ILU	Georgia				
81	Batumi (UGSS)	AirDrome		NDB	430.00 kHz		----	---	LU	Georgia	41° 36' 50" N	41° 36' 24" E		
82	Batumi (UGSS)	AirDrome		TACAN	16x		----	--	BTM	Georgia				
83	Batumi (UGSS)	Tower		Air Traffic Control Aircraft Category 1	131.00 MHz	VHF				Georgia				
84	Batumi (UGSS)	Tower		Air Traffic Control Aircraft Category 3	40.40 MHz	UKW				Georgia				
85	Batumi (UGSS)	Tower		Air Traffic Control Aircraft Category 2	260.00 MHz	VHF				Georgia				
86	Batumi (UGSS)	Tower		Air Traffic Control (MIG-21Bis)	Ⓜ					Georgia				
87	Batumi (UGSS)	Tower		Air Traffic Control (MIG-15Bis)	4.25 MHz [170]					Georgia				
88	Batumi (UGSS)	Tower		Air Traffic Control (L-39)	Ⓜ					Georgia				
89	Batumi (UGSS)	AirDrome	[13] 120°/126°	RSBN (VOR/DME) / PRMG (ILS)	16		----	--	BAT	Georgia				
90	Sukhumi - Babushara (UGSS)	Runway	[30]	Localizer (Outer Marker) / ARC (Sector 3-1)	489.00 kHz / Ⓜ		--	-----/-----	AV / FH74	Abkhazia	42° 50' 00" N	41° 11' 04" E		
91	Sukhumi - Babushara (UGSS)	Runway	[30]	Localizer (Inner Marker)	995.00 kHz			--	A	Abkhazia	42° 50' 47" N	41° 09' 24" E		
92	Sukhumi - Babushara (UGSS)	Tower		Air Traffic Control Aircraft Category 1	129.00 MHz	VHF				Abkhazia				
93	Sukhumi - Babushara (UGSS)	Tower		Air Traffic Control Aircraft Category 3	40.00 MHz	UKW				Abkhazia				
94	Sukhumi - Babushara (UGSS)	Tower		Air Traffic Control Aircraft Category 2	258.00 MHz	VHF				Abkhazia				
95	Sukhumi - Babushara (UGSS)	Tower		Air Traffic Control (MIG-21Bis)	Ⓜ					Abkhazia				
96	Sukhumi - Babushara (UGSS)	Tower		Air Traffic Control (MIG-15Bis)	4.15 MHz [166]					Abkhazia				
97	Sukhumi - Babushara (UGSS)	Tower		Air Traffic Control	257.50 MHz	UHF				Abkhazia				Additional Combined Frequency
98	Sukhumi - Babushara (UGSS)	Tower		Air Traffic Control	122.10 MHz	VHF				Abkhazia				Additional Combined Frequency
99	Sukhumi - Babushara (UGSS)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Abkhazia				Additional Combined Frequency
100	Sukhumi - Babushara (UGSS)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Abkhazia				Additional Combined Frequency
101	Sukhumi - Babushara (UGSS)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Abkhazia				Additional Combined Frequency
102	Tbilisi - Lochini (UGTS)	Runway	[13]	Localizer (Outer Marker)	342.00 kHz		---	----	WP	Georgia	41° 42' 12" N	44° 54' 35" E		Runway 13 is active at tailwind > 4m/s
103	Tbilisi - Lochini (UGTS)	Runway	[13]	Localizer (Inner Marker)	923.00 kHz			--	W	Georgia	41° 41' 09" N	44° 55' 55" E		Runway 13 is active at tailwind > 4m/s
104	Tbilisi - Lochini (UGTS)	Runway	[13 R] 122°/128°	ILS	110.30 MHz		--	---	INA	Georgia				Runway 13 is active at tailwind > 4m/s
105	Tbilisi - Lochini (UGTS)	Runway	[31]	Localizer (Outer Marker)	211.00 kHz		--	--	NA	Georgia	41° 37' 59" N	44° 59' 56" E		
106	Tbilisi - Lochini (UGTS)	Runway	[31]	Localizer (Inner Marker)	435.00 kHz			--	N	Georgia	41° 39' 01" N	44° 58' 38" E		
107	Tbilisi - Lochini (UGTS)	Runway	[31 L] 302°/308°	ILS	108.90 MHz		--	---	INA	Georgia				
108	Tbilisi - Lochini (UGTS)	AirDrome		VOR	113.70 MHz		--	-----	TBS	Georgia	41° 40' 14" N	44° 56' 49" E		
109	Tbilisi - Lochini (UGTS)	AirDrome		TACAN	25x		---	--	GTB	Georgia				
110	Tbilisi - Lochini (UGTS)	Tower		Air Traffic Control Aircraft Category 1	138.00 MHz	VHF				Georgia				
111	Tbilisi - Lochini (UGTS)	Tower		Air Traffic Control Aircraft Category 3	41.50 MHz	UKW				Georgia				
112	Tbilisi - Lochini (UGTS)	Tower		Air Traffic Control Aircraft Category 2	267.00 MHz	VHF				Georgia				
113	Tbilisi - Lochini (UGTS)	Tower		Air Traffic Control (MIG-21Bis)	Ⓜ					Georgia				
114	Tbilisi - Lochini (UGTS)	Tower		Air Traffic Control (MIG-15Bis)	4.60 MHz [184]					Georgia				
115	Tbilisi - Lochini (UGTS)	Tower		Air Traffic Control (L-39)	Ⓜ					Georgia				
116	Tbilisi - Lochini (UGTS)	AirDrome	[31 L] 302°/308°	RSBN (VOR/DME) / PRMG (ILS)	12		--	-----	TLO	Georgia				
117	Anapa (URKA)	Runway	[04]	Localizer (Outer Marker)	443.00 kHz		--	--	AN	Russia	44° 58' 12" N	37° 17' 24" E		Runway 04 is active at tailwind > 4m/s
118	Anapa (URKA)	Runway	[04]	Localizer (Inner Marker)	215.00 kHz			--	N	Russia	44° 59' 14" N	37° 19' 24" E		Runway 04 is active at tailwind > 4m/s
119	Anapa (URKA)	Runway	[22]	Localizer (Outer Marker)	443.00 kHz		--	--	AN	Russia	48° 02' 23" N	37° 23' 48" E		
120	Anapa (URKA)	Runway	[22]	Localizer (Inner Marker)	215.00 kHz			--	N	Russia	48° 01' 21" N	37° 22' 20" E		
121	Anapa (URKA)	Tower		Air Traffic Control Aircraft Category 1	121.00 MHz	VHF				Russia				
122	Anapa (URKA)	Tower		Air Traffic Control Aircraft Category 3	38.40 MHz	UKW				Russia				
123	Anapa (URKA)	Tower		Air Traffic Control Aircraft Category 2	250.00 MHz	VHF				Russia				
124	Anapa (URKA)	Tower		Air Traffic Control (MIG-21Bis)	Ⓜ					Russia				
125	Anapa (URKA)	Tower		Air Traffic Control (MIG-15Bis)	3.75 MHz [150]					Russia				
126	Anapa (URKA)	Tower		Air Traffic Control	257.50 MHz	UHF				Russia				Additional Combined Frequency
127	Anapa (URKA)	Tower		Air Traffic Control	122.10 MHz	VHF				Russia				Additional Combined Frequency
128	Anapa (URKA)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Russia				Additional Combined Frequency
129	Anapa (URKA)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Russia				Additional Combined Frequency
130	Anapa (URKA)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Russia				Additional Combined Frequency
131	Anapa (URKA)	AirDrome		RSBN (VOR/DME) / PRMG (ILS)	1		--	--	ANA	Russia				
132	Gelendzhik (URKG)	AirDrome		NDB	1000.00 kHz		---	--	ON	Russia	44° 33' 52" N	38° 00' 55" E		
133	Gelendzhik (URKG)	AirDrome		VOR	114.30 MHz		---	-----	ONV	Russia	44° 34' 21" N	38° 00' 44" E		
134	Gelendzhik (URKG)	Tower		Air Traffic Control Aircraft Category 1	126.00 MHz	VHF				Russia				
135	Gelendzhik (URKG)	Tower		Air Traffic Control Aircraft Category 3	39.40 MHz	UKW				Russia				
136	Gelendzhik (URKG)	Tower		Air Traffic Control Aircraft Category 2	258.00 MHz	VHF				Russia				
137	Gelendzhik (URKG)	Tower		Air Traffic Control (MIG-21Bis)	Ⓜ					Russia				
138	Gelendzhik (URKG)	Tower		Air Traffic Control (MIG-15Bis)	4.00 MHz [160]					Russia				
139	Gelendzhik (URKG)	Tower		Air Traffic Control (L-39)	Ⓜ					Russia				
140	Maykop - Khanskaya (URKH)	Runway	[04]	Localizer (Outer Marker)	289.00 kHz		---	----	DG	Russia	44° 38' 44" N	39° 59' 09" E		Runway 04 is active at tailwind > 4m/s
141	Maykop - Khanskaya (URKH)	Runway	[04]	Localizer (Inner Marker)	591.00 kHz			--	D	Russia	44° 39' 47" N	40° 00' 36" E		Runway 04 is active at tailwind > 4m/s
142	Maykop - Khanskaya (URKH)	Runway	[04]	PRMG (VOR/DME)	6		--	----	MK	Russia				Not tested
143	Maykop - Khanskaya (URKH)	Runway	[04]	PRMG (L-39)	836.00 MHz / 36					Russia				Runway 04 is active at tailwind > 4m/s
144	Maykop - Khanskaya (URKH)	Runway	[22]	Localizer (Outer Marker)	289.00 kHz		---	----	RK	Russia	44° 42' 02" N	40° 05' 05" E		
145	Maykop - Khanskaya (URKH)	Runway	[22]	Localizer (Inner Marker)	591.00 kHz			--	R	Russia	44° 42' 00" N	40° 03' 38" E		
146	Maykop - Khanskaya (URKH)	Runway	[22]	PRMG (VOR/DME)	6		--	----	MK	Russia				Not tested
147	Maykop - Khanskaya (URKH)	AirDrome		RSBN (VOR/DME)	1175.50 MHz		---	----	DG	Russia				Channel 34 / Not tested
148	Maykop - Khanskaya (URKH)	AirDrome		RSBN (L-39)	834.00 MHz / 34				DG	Russia				
149	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control Aircraft Category 1	125.00 MHz	VHF				Russia				
150	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control Aircraft Category 3	39.20 MHz	UKW				Russia				




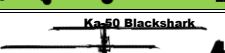
151	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control Aircraft Category 2	254.00 MHz	VHF				Russia			
152	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control (MIG-21Bis)	①					Russia			
153	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control (MIG-15Bis)	3.95 MHz [158]					Russia			
154	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control (L-39)	②					Russia			
155	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control	257.80 MHz	UHF				Russia			Additional Combined Frequency
156	Maykop - Khanskaya (URKH)	Tower		Air Traffic Control	122.10 MHz	VHF				Russia			Additional Combined Frequency
157	Maykop - Khanskaya (URKH)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Russia			Additional Combined Frequency
158	Maykop - Khanskaya (URKH)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Russia			Additional Combined Frequency
159	Maykop - Khanskaya (URKH)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Russia			Additional Combined Frequency
160	Maykop - Khanskaya (URKH)	AirDrome	[22] 213°/219°	RBN (VOR/DME) / PRMG (ILS)	5		-- -- ----	MAY		Russia			
161	Krasnodar - Pashkovsky (URKK)	Runway	[05 R]	Localizer (Outer Marker)	493.00 kHz		-- -- --	KR	KP	Russia	45° 00' 25" N	39° 07' 56" E	
162	Krasnodar - Pashkovsky (URKK)	Runway	[05 R]	Localizer (Inner Marker)	240.00 kHz		--	K	K	Russia	45° 01' 20" N	39° 09' 34" E	
163	Krasnodar - Pashkovsky (URKK)	Runway	[23 L]	Localizer (Outer Marker)	493.00 kHz		---- --	LD	LD	Russia	45° 04' 05" N	39° 14' 35" E	Runway 23 L is active at tailwind > 4m/s
164	Krasnodar - Pashkovsky (URKK)	Runway	[23 L]	Localizer (Inner Marker)	240.00 kHz		----	L	L	Russia	45° 01' 20" N	39° 09' 34" E	Runway 23 L is active at tailwind > 4m/s
165	Krasnodar - Pashkovsky (URKK)	AirDrome		VOR	115.80 MHz		-- -- -- --	KRD		Russia	45° 01' 15" N	39° 09' 50" E	
166	Krasnodar - Pashkovsky (URKK)	Tower		Air Traffic Control Aircraft Category 1	128.00 MHz	VHF				Russia			
167	Krasnodar - Pashkovsky (URKK)	Tower		Air Traffic Control Aircraft Category 3	39.80 MHz	UKW				Russia			
168	Krasnodar - Pashkovsky (URKK)	Tower		Air Traffic Control Aircraft Category 2	257.80 MHz	VHF				Russia			
169	Krasnodar - Pashkovsky (URKK)	Tower		Air Traffic Control (MIG-21Bis)	4.10 MHz [164]					Russia			
170	Krasnodar - Pashkovsky (URKK)	Tower		Air Traffic Control (L-39)	②					Russia			
171	Krasnodar - Pashkovsky (URKK)	AirDrome		RBN (VOR/DME) / PRMG (ILS)	4		---- -- --	PAS		Russia			
172	Krasnodar - Center (URKI)	Runway	[09]	Localizer (Outer Marker)	625.00 kHz		-- ----	MB	MB	Russia	45° 05' 17" N	38° 52' 24" E	Runway 09 is active at tailwind > 4m/s
173	Krasnodar - Center (URKI)	Runway	[09]	Localizer (Inner Marker)	303.00 kHz		--	M	M	Russia	45° 05' 16" N	38° 54' 27" E	Runway 09 is active at tailwind > 4m/s
174	Krasnodar - Center (URKI)	Runway	[09]	PRMG (L-39)	636.00 MHz / 38					Russia			Runway 09 is active at tailwind > 4m/s
175	Krasnodar - Center (URKI)	Runway	[09]	PRMG (VOR/DME)	31		---- --	KB	KC	Russia			Not tested
176	Krasnodar - Center (URKI)	Runway	[27]	Localizer (Outer Marker)	625.00 kHz		---- ----	OO	O4	Russia	45° 05' 05" N	39° 00' 23" E	
177	Krasnodar - Center (URKI)	Runway	[27]	Localizer (Inner Marker)	303.00 kHz		----	O	O	Russia	45° 05' 11" N	38° 58' 20" E	
178	Krasnodar - Center (URKI)	Runway	[27]	PRMG (VOR/DME)	31		---- --	KB	KC	Russia			Not tested
179	Krasnodar - Center (URKI)	AirDrome		RBN (VOR/DME)	1163.50 MHz		-- ----	MB	MB	Russia			Channel 5 / Not tested
180	Krasnodar - Center (URKI)	AirDrome		RBN (for L-39)	840.00 MHz / 40			MB		Russia			
181	Krasnodar - Center (URKI)	Tower		Air Traffic Control Aircraft Category 1	122.00 MHz	VHF				Russia			
182	Krasnodar - Center (URKI)	Tower		Air Traffic Control Aircraft Category 3	39.80 MHz	UKW				Russia			
183	Krasnodar - Center (URKI)	Tower		Air Traffic Control Aircraft Category 2	251.00 MHz	VHF				Russia			
184	Krasnodar - Center (URKI)	Tower		Air Traffic Control (MIG-21Bis)	③					Russia			
185	Krasnodar - Center (URKI)	Tower		Air Traffic Control (MIG-15Bis)	3.80 MHz [152]					Russia			
186	Krasnodar - Center (URKI)	Tower		Air Traffic Control (L-39)	⑦					Russia			
187	Krasnodar - Center (URKI)	Tower		Air Traffic Control	257.80 MHz	UHF				Russia			Additional Combined Frequency
188	Krasnodar - Center (URKI)	Tower		Air Traffic Control	122.10 MHz	VHF				Russia			Additional Combined Frequency
189	Krasnodar - Center (URKI)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Russia			Additional Combined Frequency
190	Krasnodar - Center (URKI)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Russia			Additional Combined Frequency
191	Krasnodar - Center (URKI)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Russia			Additional Combined Frequency
192	Krasnodar - Center (URKI)	AirDrome	[00] 081°/087°	RBN (VOR/DME) / PRMG (ILS)	3		-- -- -- --	KSD		Russia			
193	Novorossiysk (URKN)	Tower		Air Traffic Control Aircraft Category 1	123.00 MHz	VHF				Russia			
194	Novorossiysk (URKN)	Tower		Air Traffic Control Aircraft Category 3	39.80 MHz	UKW				Russia			
195	Novorossiysk (URKN)	Tower		Air Traffic Control Aircraft Category 2	252.00 MHz	VHF				Russia			
196	Novorossiysk (URKN)	Tower		Air Traffic Control (MIG-21Bis)	③					Russia			
197	Novorossiysk (URKN)	Tower		Air Traffic Control (MIG-15Bis)	3.85 MHz [154]					Russia			
198	Novorossiysk (URKN)	Tower		Air Traffic Control	257.80 MHz	UHF				Russia			Additional Combined Frequency
199	Novorossiysk (URKN)	Tower		Air Traffic Control	122.10 MHz	VHF				Russia			Additional Combined Frequency
200	Novorossiysk (URKN)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Russia			Additional Combined Frequency
201	Novorossiysk (URKN)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Russia			Additional Combined Frequency
202	Novorossiysk (URKN)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Russia			Additional Combined Frequency
203	Krymk (URKW)	Runway	[04]	Localizer (Outer Marker)	408.00 kHz			IOO	IOO	Russia	44° 55' 59" N	37° 56' 56" E	Runway 04 is active at tailwind > 4m/s
204	Krymk (URKW)	Runway	[04]	Localizer (Inner Marker)	803.00 kHz		--	O	O	Russia	44° 57' 03" N	37° 58' 19" E	Runway 04 is active at tailwind > 4m/s
205	Krymk (URKW)	Runway	[04]	PRMG (VOR/DME)	16		---- --	KR	KP	Russia			Not tested
206	Krymk (URKW)	Runway	[04]	PRMG (L-39)	626.00 MHz / 26					Russia			Runway 04 is active at tailwind > 4m/s
207	Krymk (URKW)	Runway	[22]	Localizer (Outer Marker)	408.00 kHz		-- -- --	KW	KB	Russia	45° 00' 10" N	38° 02' 27" E	
208	Krymk (URKW)	Runway	[22]	Localizer (Inner Marker)	803.00 kHz		--	K	K	Russia	44° 59' 05" N	38° 01' 03" E	
209	Krymk (URKW)	Runway	[22]	PRMG (VOR/DME)	16		---- --	KR	KP	Russia			Not tested
210	Krymk (URKW)	Runway	[22]	PRMG (L-39)	626.00 MHz / 26					Russia			
211	Krymk (URKW)	AirDrome		RBN (VOR/DME)	1173.50 MHz		-- -- --	KW	KB	Russia			Channel 28 / Not tested
212	Krymk (URKW)	AirDrome		RBN (L-39)	626.00 MHz / 26			KW		Russia			
213	Krymk (URKW)	Tower		Air Traffic Control Aircraft Category 1	124.00 MHz	VHF				Russia			
214	Krymk (URKW)	Tower		Air Traffic Control Aircraft Category 3	39.00 MHz	UKW				Russia			
215	Krymk (URKW)	Tower		Air Traffic Control Aircraft Category 2	253.00 MHz	VHF				Russia			
216	Krymk (URKW)	Tower		Air Traffic Control (MIG-21Bis)	③					Russia			
217	Krymk (URKW)	Tower		Air Traffic Control (MIG-15Bis)	3.90 MHz [156]					Russia			
218	Krymk (URKW)	Tower		Air Traffic Control (L-39)	⑧					Russia			
219	Krymk (URKW)	Tower		Air Traffic Control	257.80 MHz	UHF				Russia			Additional Combined Frequency
220	Krymk (URKW)	Tower		Air Traffic Control	122.10 MHz	VHF				Russia			Additional Combined Frequency
221	Krymk (URKW)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Russia			Additional Combined Frequency
222	Krymk (URKW)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Russia			Additional Combined Frequency
223	Krymk (URKW)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Russia			Additional Combined Frequency
224	Krymk (URKW)	AirDrome	[04] 034°/040°	RBN (VOR/DME) / PRMG (ILS)	2		-- -- ----	KRI		Russia			
225	Mineralnyy Vody (URMM)	Runway	[12]	Localizer (Outer Marker)	583.00 kHz		-- --	MD	MD	Russia	44° 15' 27" N	43° 01' 03" E	Runway 12 is active at tailwind > 4m/s
226	Mineralnyy Vody (URMM)	Runway	[12]	Localizer (Inner Marker)	283.00 kHz		--	M	M	Russia	44° 14' 40" N	43° 02' 45" E	Runway 12 is active at tailwind > 4m/s
227	Mineralnyy Vody (URMM)	Runway	[12] 109°/115°	ILS	111.70 MHz		-- -- --	IMD		Russia			Runway 12 is active at tailwind > 4m/s



228	Mineralnyye Vody (URMM)	Runway	[30]	Localizer (Outer Marker)	563.00 kHz		-- -- --	NR	HP	Russia	44° 11' 54" N	43° 08' 39" E	
229	Mineralnyye Vody (URMM)	Runway	[30]	Localizer (Inner Marker)	283.00 kHz		--	N	H	Russia	44° 12' 43" N	43° 06' 56" E	
230	Mineralnyye Vody (URMM)	Runway	[30] 289°/295°	ILS	109.30 MHz		-- -- -- --	IMW		Russia			
231	Mineralnyye Vody (URMM)	Aldrome		RSBN (VOR/DME)	1176.00 MHz		-- -- --	MW	MB	Russia			Channel 33 / Not tested
232	Mineralnyye Vody (URMM)	Aldrome		VOR	1171.00 MHz		-- -- -- --	MNV		Russia	44° 14' 22" N	43° 03' 18" E	
233	Mineralnyye Vody (URMM)	Tower		Air Traffic Control Aircraft Category 1	135.00 MHz	VHF				Russia			
234	Mineralnyye Vody (URMM)	Tower		Air Traffic Control Aircraft Category 3	41.30 MHz	UKW				Russia			
235	Mineralnyye Vody (URMM)	Tower		Air Traffic Control Aircraft Category 2	264.00 MHz	VHF				Russia			
236	Mineralnyye Vody (URMM)	Tower		Air Traffic Control (MIG-21Bis)	①					Russia			
237	Mineralnyye Vody (URMM)	Tower		Air Traffic Control (MIG-15Bis)	4.45 MHz [178]					Russia			
238	Mineralnyye Vody (URMM)	Tower		Air Traffic Control (L-39)	②					Russia			
239	Mineralnyye Vody (URMM)	Aldrome	[30] 289°/295°	RSBN (VOR/DME) / PRMG (ILS)	7		-- -- --	MIN		Russia			
240	Naichik (URMN)	Runway	[24]	Localizer (Outer Marker)	718.00 kHz		-- -- --	ML	H/I	Russia	43° 32' 05" N	43° 41' 34" E	
241	Naichik (URMN)	Runway	[24]	Localizer (Inner Marker)	350.00 kHz		--	N	H	Russia	43° 31' 26" N	43° 39' 48" E	
242	Naichik (URMN)	Runway	[24] 230°/236°	ILS	110.50 MHz		-- -- -- --	INL		Russia			
243	Naichik (URMN)	Tower		Air Traffic Control Aircraft Category 1	136.00 MHz	VHF				Russia			
244	Naichik (URMN)	Tower		Air Traffic Control Aircraft Category 3	41.40 MHz	UKW				Russia			
245	Naichik (URMN)	Tower		Air Traffic Control Aircraft Category 2	265.00 MHz	VHF				Russia			
246	Naichik (URMN)	Tower		Air Traffic Control (MIG-21Bis)	①					Russia			
247	Naichik (URMN)	Tower		Air Traffic Control (MIG-15Bis)	4.50 MHz [150]					Russia			
248	Naichik (URMN)	Tower		Air Traffic Control (L-39)	②					Russia			
249	Naichik (URMN)	Aldrome	[24] 230°/236°	RSBN (VOR/DME) / PRMG (ILS)	8		-- -- -- --	NAL		Russia			
250	Beelan (URMO)	Runway	[10]	Localizer (Outer Marker)	1050.00 kHz		-----	CH	LX	Russia	43° 12' 56" N	44° 32' 23" E	
251	Beelan (URMO)	Runway	[10]	Localizer (Inner Marker)	250.00 kHz		-----	C	U	Russia	43° 12' 39" N	44° 34' 20" E	
252	Beelan (URMO)	Runway	[10] 088°/094°	ILS	110.50 MHz		-- -----	ICH		Russia			
253	Beelan (URMO)	Tower		Air Traffic Control Aircraft Category 1	141.00 MHz	VHF				Russia			
254	Beelan (URMO)	Tower		Air Traffic Control Aircraft Category 3	42.40 MHz	UKW				Russia			
255	Beelan (URMO)	Tower		Air Traffic Control Aircraft Category 2	270.00 MHz	VHF				Russia			
256	Beelan (URMO)	Tower		Air Traffic Control (MIG-21Bis)	①					Russia			
257	Beelan (URMO)	Tower		Air Traffic Control (MIG-15Bis)	4.75 MHz [190]					Russia			
258	Beelan (URMO)	Tower		Air Traffic Control (L-39)	②					Russia			
259	Beelan (URMO)	Aldrome	[10] 088°/094°	RSBN (VOR/DME) / PRMG (ILS)	10		-----	BES		Russia			
260	Sochi - Adler (URS8)	Runway	[06]	Localizer (Inner Marker)	761.00 kHz		--- -- --	SO	CO	Russia	43° 26' 07" N	39° 54' 39" E	
261	Sochi - Adler (URS8)	Runway	[06] 056°/062°	ILS	111.10 MHz		-- -- -- --	ISO		Russia			
262	Sochi - Adler (URS8)	Tower		Air Traffic Control Aircraft Category 1	127.00 MHz	VHF				Russia			
263	Sochi - Adler (URS8)	Tower		Air Traffic Control Aircraft Category 3	39.60 MHz	UKW				Russia			
264	Sochi - Adler (URS8)	Tower		Air Traffic Control Aircraft Category 2	256.00 MHz	VHF				Russia			
265	Sochi - Adler (URS8)	Tower		Air Traffic Control (MIG-21Bis)	①					Russia			
266	Sochi - Adler (URS8)	Tower		Air Traffic Control (MIG-15Bis)	4.05 MHz [162]					Russia			
267	Sochi - Adler (URS8)	Tower		Air Traffic Control (L-39)	②					Russia			
268	Sochi - Adler (URS8)	Tower		Air Traffic Control	257.50 MHz	UHF				Russia			Additional Combined Frequency
269	Sochi - Adler (URS8)	Tower		Air Traffic Control	122.10 MHz	VHF				Russia			Additional Combined Frequency
270	Sochi - Adler (URS8)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Russia			Additional Combined Frequency
271	Sochi - Adler (URS8)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Russia			Additional Combined Frequency
272	Sochi - Adler (URS8)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Russia			Additional Combined Frequency
273	Sochi - Adler (URS8)	Aldrome	[06] 056°/062°	RSBN (VOR/DME) / PRMG (ILS)	6		-- -- -- --	ADL		Russia			
274	Mozdok (XRMF)	Runway	[08]	Localizer (Outer Marker)	525.00 kHz		--- -- --	DO	JO	Russia	43° 47' 34" N	44° 31' 43" E	
275	Mozdok (XRMF)	Runway	[08]	Localizer (Inner Marker)	1064.00 kHz		--	D	A	Russia	43° 47' 32" N	44° 33' 43" E	
276	Mozdok (XRMF)	Runway	[06]	PRMG (VOR/DME)	24		-- -- --	MZ	M3	Russia			Not tested
277	Mozdok (XRMF)	Runway	[06]	PRMG (L-39)	822.00 MHz / 22					Russia			
278	Mozdok (XRMF)	Runway	[26]	Localizer (Outer Marker)	525.00 kHz		--- --	RM	PM	Russia	43° 47' 26" N	44° 40' 14" E	Runway 26 is active at tailwind > 4m/s
279	Mozdok (XRMF)	Runway	[26]	Localizer (Inner Marker)	1065.00 kHz		---	R	P	Russia	43° 47' 27" N	44° 48' 14" E	Runway 26 is active at tailwind > 4m/s
280	Mozdok (XRMF)	Runway	[26]	PRMG (VOR/DME)	24		-- -- --	MZ	M3	Russia			Not tested
281	Mozdok (XRMF)	Runway	[26]	PRMG (L-39)	822.00 MHz / 22					Russia			Runway 26 is active at tailwind > 4m/s
282	Mozdok (XRMF)	Tower		Air Traffic Control Aircraft Category 1	137.00 MHz	VHF				Russia			
283	Mozdok (XRMF)	Tower		Air Traffic Control Aircraft Category 3	41.60 MHz	UKW				Russia			
284	Mozdok (XRMF)	Tower		Air Traffic Control Aircraft Category 2	266.00 MHz	VHF				Russia			
285	Mozdok (XRMF)	Tower		Air Traffic Control (MIG-21Bis)	①					Russia			
286	Mozdok (XRMF)	Tower		Air Traffic Control (MIG-15Bis)	4.55 MHz [162]					Russia			
287	Mozdok (XRMF)	Tower		Air Traffic Control (L-39)	②					Russia			
288	Mozdok (XRMF)	Tower		Air Traffic Control	257.50 MHz	UHF				Russia			Additional Combined Frequency
289	Mozdok (XRMF)	Tower		Air Traffic Control	122.10 MHz	VHF				Russia			Additional Combined Frequency
290	Mozdok (XRMF)	Tower		Ground Controlled Approach	123.30 MHz	VHF				Russia			Additional Combined Frequency
291	Mozdok (XRMF)	Tower		Ground Controlled Approach - Search	344.00 MHz	UHF				Russia			Additional Combined Frequency
292	Mozdok (XRMF)	Tower		Ground Controlled Approach - Final	385.40 MHz	UHF				Russia			Additional Combined Frequency
293	Mozdok (XRMF)	Aldrome	[06] 077°/063°	RSBN (VOR/DME) / PRMG (ILS)	9		-- -- -- --	MOZ		Russia			
294	Mozdok (XRMF)	Aldrome		RSBN (L-39)	820.00 MHz / 20			MZ		Russia			
295	Belbek (UKFB)	Runway	[07]	Localizer (Outer Marker)	362.00 kHz			4K	4K	Ukraine			
296	Belbek (UKFB)	Runway	[25]	Localizer (Inner Marker)	735.00 kHz			P	P	Ukraine			
297	Belbek (UKFB)	Runway	[25]	ILS	365.00 MHz			PV	PV	Ukraine			
298	Belbek (UKFB)	Runway	[07]	RSBN (VOR/DME)	1162.00 MHz			4K	4K	Ukraine			Channel 5
299	Dzhankoy (UKFY)	Runway	[05]	Localizer (Outer Marker)	820.00 kHz			ДН	ДН	Ukraine			
300	Dzhankoy (UKFY)	Runway	[05]	Localizer (Inner Marker)	401.00 kHz			Д	Д	Ukraine			
301	Dzhankoy (UKFY)	Runway	[23]	Localizer (Outer Marker)	820.00 kHz			ГЯ	ГЯ	Ukraine			
302	Dzhankoy (UKFY)	Runway	[23]	Localizer (Inner Marker)	401.00 kHz			Г	Г	Ukraine			
303	Dzhankoy (UKFY)	Runway	[05]	RSBN (VOR/DME)	1173.00 MHz			ДН	ДН	Ukraine			
304	Gvardeyskoe (UKFG)	Runway	[01]	Localizer (Outer Marker)	535.00 kHz			PE	PE	Ukraine			

305	Gvardeyskoe (UKFG)	Runway	[01]	Localizer (Inner Marker)	527.00 kHz		P	P	Ukraine			
306	Gvardeyskoe (UKFG)	Runway	[19]	Localizer (Outer Marker)	535.00 kHz		YE	YE	Ukraine			
307	Gvardeyskoe (UKFG)	Runway	[19]	Localizer (Inner Marker)	527.00 kHz		Y	Y	Ukraine			
308	Gvardeyskoe (UKFG)	Runway	[01]	RSBN (VOR/DME)	1162.50 MHz		P5	P5	Ukraine			Channel 6
309	Gvardeyskoe (UKFG)	Airdrome		NDB			ЧК	ЧК	Ukraine			Channel 5
310	Kerch (UKFK)	Runway	[05]	Localizer (Outer Marker)	289.00 kHz		ФЮ	ФЮ	Ukraine			
311	Kerch (UKFK)	Runway	[05]	Localizer (Inner Marker)	595.00 kHz		Ф	Ф	Ukraine			
312	Kerch (UKFK)	Runway	[23]	Localizer (Outer Marker)	289.00 kHz		AB	AB	Ukraine			
313	Kerch (UKFK)	Runway	[23]	Localizer (Inner Marker)	595.00 khz		A	A	Ukraine			
314	Kerch (UKFK)	Runway	[05]	RSBN (VOR/DME)	1168.50 MHz		ФЮ	ФЮ	Ukraine			Channel 18
315	Kirovskoe	Runway	[10]	Localizer (Outer Marker)	662.00 kHz		ФЧ	ФЧ	Ukraine			
316	Kirovskoe	Runway	[28]	Localizer (Outer Marker)	662.00 kHz		ДЯ	ДЯ	Ukraine			
317	Kirovskoe	Runway	[10]	RSBN (VOR/DME)	1165.50 MHz		КК	КК	Ukraine			Channel 12
318	Khersones	Airdrome		NDB	935.00 kHz		БФ	БФ	Ukraine	44° 34' 36" N	33° 23' 55" E	
319	Krasnogvardeyskoye	Runway	[05]	Localizer (Outer Marker)	1681.00 kHz		КГ	КГ	Ukraine			
320	Krasnogvardeyskoye	Runway	[05]	Localizer (Inner Marker)	624.00 kHz		Г	Г	Ukraine			
321	Krasnogvardeyskoye	Runway	[23]	Localizer (Outer Marker)	1681.00 kHz		КЕ	КЕ	Ukraine			
322	Krasnogvardeyskoye	Runway	[23]	Localizer (Inner Marker)	624.00 kHz		Е	Е	Ukraine			
323	Krasnogvardeyskoye	Runway	[05]	RSBN (VOR/DME)	1164.50 MHz		КГ	КГ	Ukraine			Channel 10
324	Octyabskoe	Runway	[06]	Localizer (Outer Marker)	472.00 kHz		ШБ	ШБ	Ukraine			
325	Octyabskoe	Runway	[06]	Localizer (Inner Marker)	960.00 kHz		Ш	Ш	Ukraine			
326	Octyabskoe	Runway	[24]	Localizer (Outer Marker)	472.00 kKz		ТВ	ТВ	Ukraine			
327	Octyabskoe	Runway	[24]	Localizer (Inner Marker)	960.00 kHz		Т	Т	Ukraine			
328	Octyabskoe	Runway	[06]	RSBN (VOR/DME)	1161.00 MHz		ШБ	ШБ	Ukraine			Channel 3
329	Razdolnoe	Runway	[18]	Localizer (Outer Marker)	1309.00 kHz		РЛ	РЛ	Ukraine			
330	Razdolnoe	Runway	[18]	Localizer (Inner Marker)	164.00 kHz		Л	Л	Ukraine			
331	Razdolnoe	Runway	[36]	Localizer (Outer Marker)	1309.00 kHz		РЫ	РЫ	Ukraine			
332	Razdolnoe	Runway	[36]	Localizer (Inner Marker)	164.00 kHz		Ы	Ы	Ukraine			
333	Razdolnoe	Runway	[18]	RSBN (VOR/DME)	1167.00 MHz		РД	РД	Ukraine			Channel 15
334	Saki (UKFI)	Runway	[22L]	Localizer (Outer Marker)	374.00 kHz		ДТ	ДТ	Ukraine			
335	Saki (UKFI)	Runway	[22L]	Localizer (Inner Marker)	760.00 kHz		Д	Д	Ukraine			
336	Saki (UKFI)	Runway	[04R]	Localizer (Outer Marker)	374.00 kHz		УЙ	УЙ	Ukraine			
337	Simpheropol (UKFF)	Runway	[01L]	Localizer (Outer Marker)	588.00 kHz		ЛХ	ЛХ	Ukraine			
338	Simpheropol (UKFF)	Runway	[01L]	Localizer (Inner Marker)	285.00 kHz		Л	Л	Ukraine			
339	Simpheropol (UKFF)	Runway	[19R]	Localizer (Outer Marker)	588.00 kHz		СК	СК	Ukraine	45° 05' 34" N	33° 59' 35" E	
340	Simpheropol (UKFF)	Runway	[19R]	Localizer (Inner Marker)	285.00 kHz		С	С	Ukraine			
341	Simpheropol (UKFF)	Runway	[01R]	Localizer (Outer Marker)	895.00 kHz		ТЛ	ТЛ	Ukraine			
342	Simpheropol (UKFF)	Runway	[01R]	Localizer (Inner Marker)	441.00 kHz		Т	Т	Ukraine			
343	Simpheropol (UKFF)	Runway	[19L]	Localizer (Outer Marker)	895.00 kHz		МР	МР	Ukraine			
344	Simpheropol (UKFF)	Runway	[19L]	Localizer (Inner Marker)	441.00 kHz		М	М	Ukraine			
345	Astrachan			NDB	745.00 kHz	-- ---	AS	AD	Russia	46° 21' 13" N	47° 53' 00" E	Астрахань / ASTRAKHAN
346	Agoy			NDB / ARC (Sector 2-4)	381.00 kHz / ①	-- ---/· -----	AG /EJ08	AG	Russia	44° 08' 08" N	39° 02' 00" E	Агой / AGOY
347	Alushta			NDB	384.00 kHz		AL	AL	Ukraine			Алушта / ALUSHTA
348	Krasnodarskiy			NDB / ARC (Sector 2-4)	300.50 kHz / ①	-- --/-----	AN / ZR03	AN	Russia	45° 28' 27" N	38° 51' 11" E	Ахиллеонский / AHILLEONSKY
349	Bagajewskaja			NDB	1175.00 kHz	----- --	BA	BA	Russia	47° 19' 14" N	40° 21' 52" E	Багаевский / BAGAYEVSKY
350	Berdjansk			NDB	342.00 kHz		BD	BD	Ukraine			Бердянский / BERDIANSK
351	Kalays			NDB / ARC (Sector 2-4I)	735.00 kHz / ①	---- ---/-- -----	BJ / NP11	BJ	Russia	43° 27' 52" N	45° 12' 55" E	Калаус / KALAYS
352	Belosarayskiy			NDB	300.50 kHz		BC	BC	Ukraine			Белосарайский
353	Ali			NDB	353.00 kHz	---- -	AL	BT	Russia	42° 05' 57" N	43° 38' 39" E	Али / ALI
354	Arzis			NDB	440.00 kHz	---- -	AR	BT	Ukraine			Арциз / ARCIZ
355	Gali			NDB / ARC (Sector 3-4)	525.00 kHz / ①	--- --/-- ---- -	DA / GH22	DA	Abkhazia	42° 38' 09" N	41° 47' 02" E	Гали / GALI
356	Dubrava			NDB	520.00 kHz	--- ----	DF	DФ	Georgia	41° 55' 12" N	44° 34' 00" E	Мухрани / MUKHRANI
357	Dobrushyne			NDB	117.50 kHz		DO	DO	Ukraine			Добрушино / DOBRUSHINO
358	Buyalik			NDB	625.00 kHz		DW	DB	Ukraine			Буялык / BUYALIK
359	Jegorlykaskaja			NDB	438.00 kHz	- ---	ER	EP	Russia	46° 35' 07" N	40° 38' 52" E	Егорлыкская / YEGORLYKSKAYA
360	Cherson-Chernobayevka			NDB	1065.00 kHz		HS	XC	Ukraine			Херсон-Чернобаевка / KHERSON
361	Illitschiwsk			NDB	300.50 kHz		IL	ИО	Ukraine			Ильичевск / ILICHEVSK
362	Kacha			NDB	580.00 kHz		KC	KЦ	Ukraine			Кача / KACHA
363	Kuznetsivka			NDB	602.00 kHz		KC	KЦ	Ukraine			Кузнецовка / KUZNETSOVKA
364	Lymans'ke			NDB	750.00 kHz		LA	KE	Ukraine			Лиманское / LYMANS'KE
365	Kachowka			NDB	485.00 kHz		KH	KX	Ukraine			Каховка / KAHOVKA
366	Komisarove			NDB	950.00 kHz	--- --	KM	KM	Ukraine			Комиссарово / KOMISSAROVKA
367	Kropotkin			NDB	214.00 kHz	--- ----	KP	KП	Russia	45° 27' 12" N	40° 33' 56" E	Кропоткин / KROPOTKIN
368	Krasnyy			NDB	1025.00 kHz	--- ---	KB	KC	Russia	47° 12' 16" N	40° 20' 54" E	Красный / KRASNY
369	Shpakovskoye			NDB	730.00 kHz	--- -	KY	KY	Russia	45° 07' 37" N	42° 10' 51" E	Ставрополь-Шпаковский / STAVROPOL-SHPAKOVSKOYE
370	Kislovodsk			NDB / ARC (Sector 2-4I)	995.00 kHz / ①	--- --/-- ---- -	KW / GJ06	KB	Russia	43° 58' 43" N	42° 38' 43" E	Кисловодск / KISLOVODSK
371	Kizliar			NDB	455.00 kHz	--- ----	KZ	KЗ	Russia	43° 50' 14" N	46° 43' 00" E	Кизляр / KIZLIAR
372	Lazarevskoye			NDB / ARC (Sector 2-4)	307.00 kHz / ①	---- ---/· -----	LA / EJ26	LA	Russia	43° 55' 16" N	39° 20' 08" E	Лазаревское / LAZAREVSKOYE
373	Lyubymivka			NDB	670.00 kHz		LY	ЛБ	Ukraine			Любимовка / LYUBIMOVKA
374	Mykolajiw-Kulbakovo			NDB	329.00 kHz		ЛЦ	ЛЦ	Ukraine			Николаев-Кульбаково
375	Krasnolesje			NDB	395.00 kHz	-----	LE	ЛБ	Russia	47° 06' 06" N	41° 20' 56" E	Краснолесье (Double assigned frequency) / LESNIK
376	Mariupol			NDB	770.00 kHz		MA	MA	Ukraine			Мариуполь / MARIUPOL
377	Wosnessensk			NDB	380.00 kHz		VZ	MH	Ukraine			Вознесенск / VOZNESENSK
378	Manychskiy			NDB	705.00 kHz	-- --	MN	MH	Russia	47° 03' 14" N	40° 21' 53" E	Маньчский / MANYCHSKY
379	Bolshevik			NDB	507.00 kHz	-- ---	ND	НД	Russia	45° 46' 10" N	40° 13' 54" E	Большевик / BOLSHEVIK
380	Melitopol			NDB	740.00 kHz		NE	HE	Ukraine			Мелитополь / MELITOPOL
381	Mykolaiv			NDB	1030.00 kHz		NK		Ukraine			Миколаївка / MYKOLAIVKA

382	Rostow at Don, Center			NDB		515.00 kHz		-- ----	RC	HK	Russia	47° 17' 12" N	39° 37' 53" E	Ростов-на-Дону центр / ROSTOV-NA-DONU-CENTR
383				NDB / ARC (Sector 3-I)		①		-----	LM 08		Russia	42° 16' 09" N	42° 37' 27" E	
384	Ust-Labinsk			NDB / ARC (Sector 2-I)		330.00 kHz / ①		-- ----/-----	NZ	H3	Russia	48° 13' 38" N	39° 39' 14" E	Усть-Лабинск / UST-LABINSK
385	Odessa			NDB		348.00 kHz			OD	OD	Ukraine			Одесса - Центральный / ODESSA-CENTR
386	Gori			NDB / ARC (Sector 3-I)		462.00 kHz / ①		---- ----/-----	OE / MM25	O3	Georgia	42° 01' 12" N	44° 07' 55" E	Гори / GORI
387	Parutyne			NDB		905.00 kHz		-----	PA	ПА	Ukraine			Parutyne
388	Prikaspiyskiy			NDB		352.00 kHz		-----	PK	PK	Russia	46° 13' 45" N	47° 12' 24" E	Прикаспийский / PRIKASPIYSKIY
389	Peredovaya			NDB / ARC (Sector 2-I)		1210.00 kHz / ①		---- ----/-----	PR / FJ98	PP	Russia	44° 07' 15" N	39° 54' 59" E	Передовая / PEREDOVAIA
390	Rostow at Don, East			NDB		320.00 kHz		-----	RE	PH	Russia	47° 13' 44" N	39° 48' 05" E	Ростов-на-Дону Восточный / ROSTOV-NA-DONU EAST
391	Krasnodar			NDB		324.00 kHz		-----	RF	PФ	Russia	45° 17' 10" N	39° 54' 59" E	Ладонская / LADOZHSKAYA
392	Dzhubga			NDB / ARC (Sector 2-I)		420.00 kHz / ②		--- ----/-----	DV / DK70	PIJ	Russia	41° 19' 16" N	38° 42' 05" E	Джубга / DZHUBGA
393	Elista			NDB		311.00 kHz		-----	GA	CA	Russia	46° 22' 31" N	44° 19' 56" E	Элиста / ELISTA
394	Shyriaieve			NDB		389.00 kHz		-----	SH	CX	Ukraine			Ширяево / SHYRIAIEVE
395	Sochoy			NDB		396.00 kHz		-----	SH	CX	Ukraine			Сочой / SOCHOJ
396	Sukhoi			NDB		862.00 kHz		-----	SH	CX	Russia	47° 06' 06" N	41° 20' 56" E	Сухой / SUKHOY
397	Skadovsk			NDB		680.00 kHz		-----	SK	CK	Ukraine			Скадовск / SKADOVSK
398	Oblast Smolensk			NDB / ARC (Sector 2-I)		682.00 kHz / ①		--- ----/-----	SM / DK85	CM	Russia	44° 47' 24" N	38° 47' 34" E	Смоленская / SMOLENSKAYA
399	Sulbanskoye			NDB		886.00 kHz		-----	SN	CH	Russia	44° 35' 39" N	42° 40' 04" E	Султанское / SULTANSKOE
400	Sarmakovo			NDB		907.00 kHz		-----	SR	CP	Russia	41° 37' 58" N	46° 01' 00" E	Сармаково / SARMAKOVO
401	Machatschkala			NDB		822.00 kHz		-----	TA	TA	Russia	42° 58' 40" N	47° 31' 09" E	Махачкала / MAKHACHKALA
402	Tiraspol			NDB		515.00 kHz		-----	TH	TX	Russia	47° 17' 13" N	39° 37' 55" E	Тирасполь (Double assigned frequency) / TIRASPOL
403	Taganrog Center			NDB		470.00 kHz		-----	TC	TH	Russia	47° 15' 05" N	38° 49' 51" E	Таганрог-Центр / TAGANROG-CENTR
404	Znori			NDB		907.00 kHz		-----	TO	TO	Georgia	43° 45' 14" N	43° 06' 45" E	Цюри
405	Belorechenakly			NDB / ARC (Sector 2-II)		1182.00 kHz / ②		--- ----/-----	TP / LP89	TP	Russia	44° 09' 34" N	43° 31' 54" E	Теплореченский / TEPLORECHENSKIY
406	Taganrog, Rostovskaya oblast			NDB		720.00 kHz		-----	TY	YФ	Russia	47° 12' 09" N	38° 50' 53" E	Таганрог-Южный / TAGANROG-YUZHNY
407	Tikhorezk			NDB		828.00 kHz		-----	UH	YX	Russia	45° 50' 03" N	40° 05' 02" E	Тихорецк / TIKHORETSK
408	Zenzeli			NDB		337.00 kHz		-----	UP	YPI	Russia	45° 58' 06" N	47° 04' 02" E	Зензели / ZENZELI
409	Vostochnyy			NDB		830.00 kHz		-----	WK	BK	Russia	43° 23' 11" N	45° 41' 53" E	Грозный - Восточный / GROZNIY-EAST
410	Armavir Center			NDB		740.00 kHz		-----	WM	BM	Russia	44° 58' 13" N	41° 08' 56" E	Армавир - Центр / ARMAVIR-CENTR
411	Veselyy			NDB		641.00 kHz		-----	WB	BC	Russia	46° 07' 07" N	40° 42' 54" E	Веселый / VESELY
412	Ryazanskaya			NDB / ARC (Sector 2-I)		312.00 kHz / ①		---- ----/-----	XY / EK47	YT	Russia	44° 58' 14" N	39° 33' 52" E	Рязанская / RYAZANSKAYA
413	Бирючья Коса			NDB		722.00 kHz		-----	BK	MO	Russia	45° 23' 08" N	47° 35' 59" E	Бирючья Коса / BIRYUCHYA KOSA
414	Maykop			NDB / ARC (Sector 2-I)		682.00 kHz / ①		-- ----/-----	MA / EK94	MA	Russia	44° 37' 37" N	40° 08' 35" E	Майкоп / MAYKOP
415	Kertsch			NDB / ARC (Sector 1-I)		1050.00 kHz / ①		--- ----/-----	KC / YR63	KC	Ukraine			Керчь / KERCH

Aircraft Category 1	
	A-10C Warthog
AN/ARC-186(V)	116 - 151 MHz
	C-101EB Aviojet
	Mi-8 MTV2 Magnificent Eight
R-863	100 - 149 MHz
	Ka-50 Blackshark
R-800L1	100 - 149 MHz
	UH-1H Huey
AN/ARC-134	116 - 149 MHz
	MiG-21bis
	80 - 399 MHz
	Hawk T-1A
	P-51D / TF-51D
SCR-522-A	100 - 156 MHz

Aircraft Category 2	
	L-39C Albatros
R-832M	220 - 390 MHz
	F-86F Sabre
AN/ARC-27	225 - 333 MHz
	Mi-8 MTV2 Magnificent Eight
R-863	220 - 399 MHz
	Ka-50 Blackshark
R-800L1	220 - 399 MHz

Aircraft Category 3	
	Fw 190 D-9
FuG 162Y	38.4 - 42.2 MHz
	Bf 109 K-4
FuG 25a	38.4 - 42.4 MHz

