

**Agreement on the new T-DAB frequency plan
in the frequency band 174 – 230 MHz
between**

Administration of Bosnia and Herzegovina and Administration of Serbia

Република Србија
Регулаторна агенција за електронске
комуникације и поштанске услуге
Београд

БРОЈ: 1-01-3483-3/23

ДАТУМ: 15-08-2023

Preamble

This document is the bilateral coordination agreement (**hereinafter: Agreement**) on the new T-DAB frequency plan in the frequency band 174 – 230 MHz between **Administration of Bosnia and Herzegovina** and **Administration of Serbia (hereinafter: Parties)**. It expresses the convergence-of-will between both parties, indicating an intended common course of action. The Agreement is based on the Multilateral Framework Agreement (hereinafter: MFA) signed by the Administrations of Austria, Bosnia and Herzegovina, Croatia, Hungary, Romania, Serbia and Slovenia in Budapest on 13 June 2023.

Background

After a decade long, not delightful operative coordination process, a multilateral frequency coordination work has started, in order to create the basis of implementing T-DAB networks and to facilitate the introduction of digital radio in the region. More and more countries decided to allocate all of the VHF Band III for T-DAB purposes only. Based on the above-mentioned, it was necessary to revise, partly to rearrange the GE06 Plan and to coordinate assignments in line with the new frequency distribution.

The intention during the negotiations, while preparing this Agreement, has been to establish the technical parameters for assignments of a new frequency plan enabling seven layers in each country, according to the frequency distribution maps presented in the annex of the MFA.

The Parties successfully managed bilateral frequency coordination activities in order to implement the relevant broadcasting spectrum reorganization, with a view to:

- achieving mutual compatibility of the spectrum resources to be used in the VHF Band III;
- facilitating any consequential modifications to the GE06 Plan.

Working method

Both Administrations have been gradually exchanged their requirements bilaterally or within multilateral coordination groups dealing with the re-planning of the VHF Band III. The submissions of the requirements have been followed by an analysis of the compatibility of the requirements by both Administrations. This analysis was the basis for the development of an updated frequency plan



containing the most feasible solution across frequency coordination area of the Parties. Hence, the development of an updated frequency plan has been an iterative process as:

- the modifications to the proposals have been evaluated taking national requirements into account;
- common frequency coordination area of the Parties has also been considered;
- external coordination areas and the updated process of external coordination groups were also considered to the extent possible.

Results of the activities

The Parties have successfully completed the bilateral frequency coordination activities in order to implement the relevant reorganizations of the frequency spectrum in the VHF Band III. The aim was to achieve mutual compatibility of the spectrum resources to be used in the VHF Band III, considering all the planning recommendations, in particular the technical material from the ITU documentations (GE06 Agreement, ITU-R Recommendations).

SFN areas

The frequency plan established with this Agreement by the Parties is visualised in **Annex 1** and **Annex 2**. The **Annex 1** and **Annex 2** represent Single Frequency Network (SFN) Areas for Digital Audio Broadcasting in the band 174 – 230 MHz.

Regarding the Single Frequency Network (SFN) Areas the section 5.1. of the MFA states the common understanding of the Parties.

Assignments

The assignments have been exchanged in ITU TerRaSys-format, with all detailed parameters between the two Administrations. They were checked and agreed before signing of this document and attached to this agreement in electronic form. The main technical parameters of these assignments are listed in **Annex 3** and **Annex 4**.

ITU notification procedure

Regarding the ITU notification procedure of Single Frequency Network (SFN) Areas and Assignments the section 5.3. of the MFA states the common understanding of the Parties.

Final remarks

The frequency plan can be implemented from the date of signature.

All further national developments in VHF Band III will be done by the Parties according to Article 4 of the GE06 Agreement.

Regarding to the use of the frequency band 174-209 MHz, Serbia stated that there is no official decision for the use of the mentioned frequency band for digital radio (T-DAB). Serbia keeps the right to coordinate frequency assignments for T-DAB at a later stage, meaning that when a decision is made.

Entry into force

The Agreement shall enter into force upon the signature of the Parties.

Language of the Agreement

This Agreement is prepared in English in two originals. The Parties hold one original.

Place: Budapest, Hungary

Date: 12 June 2023

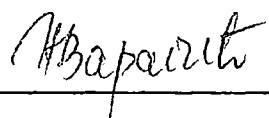
for the **Administration of Bosnia and Herzegovina**

A handwritten signature in black ink, appearing to read 'D. Karahodžić', is written over a horizontal line.

Damir Karahodžić
Head of the Spectrum
Management Department

Communications Regulatory Agency
Bosnia and Herzegovina
RAK

for the **Administration of Serbia**

A handwritten signature in black ink, appearing to read 'N. Varagić', is written over a horizontal line.

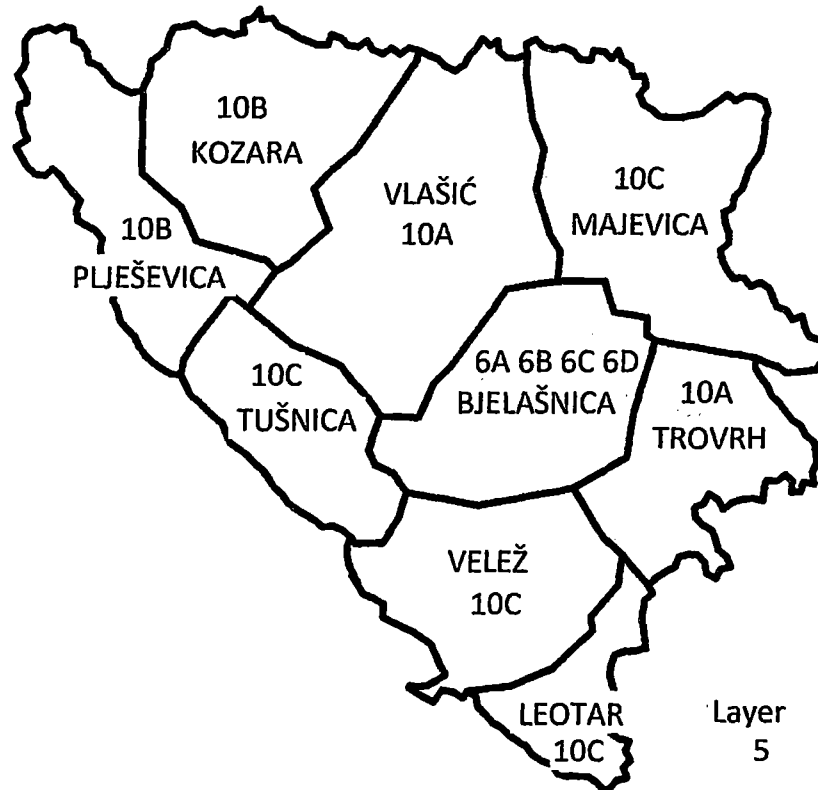
Natalija Varagić
Coordinator of Radio Broadcasting Group

Regulatory Authority for Electronic Communications
and Postal Services
(RATEL)

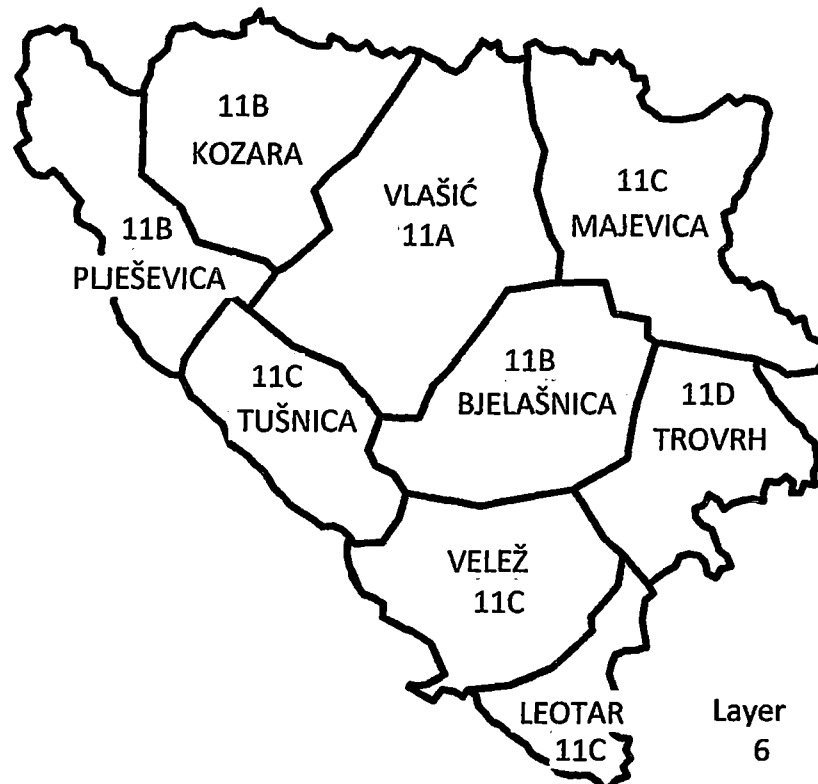
Annex 1

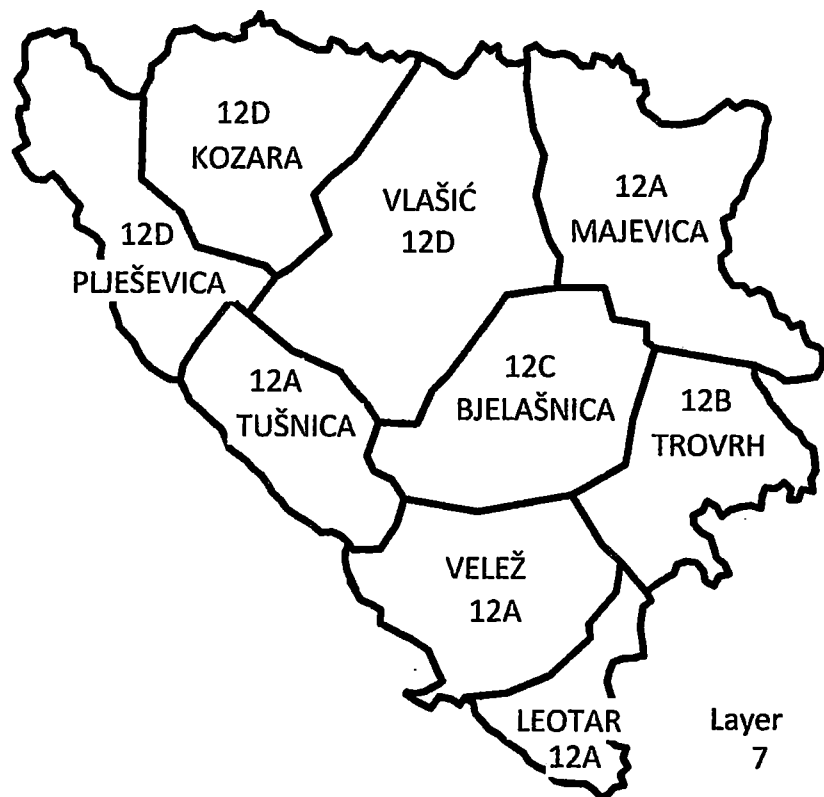
Frequency distribution of Administration of Bosnia and Herzegovina

Layer 1



Layer 2

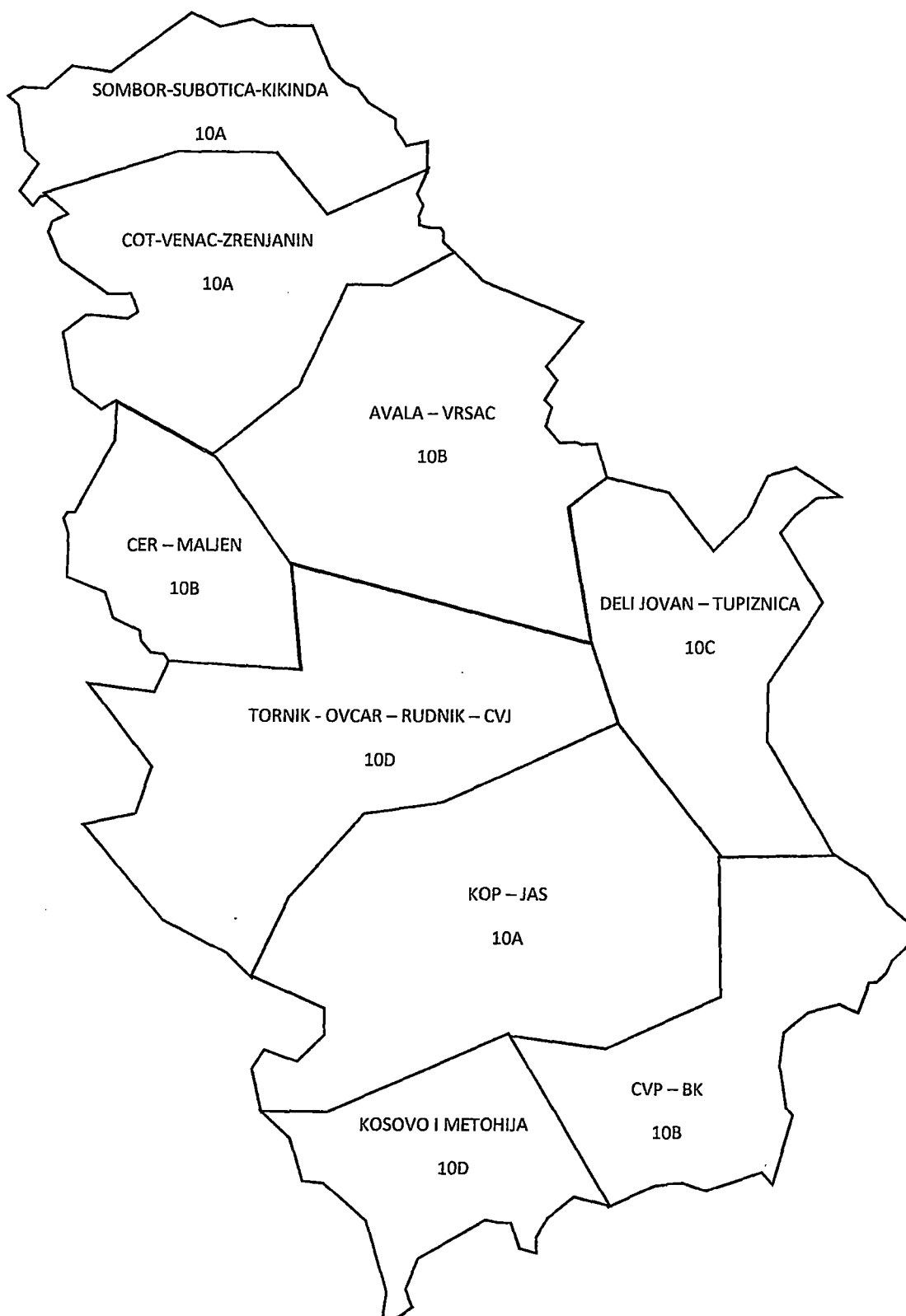




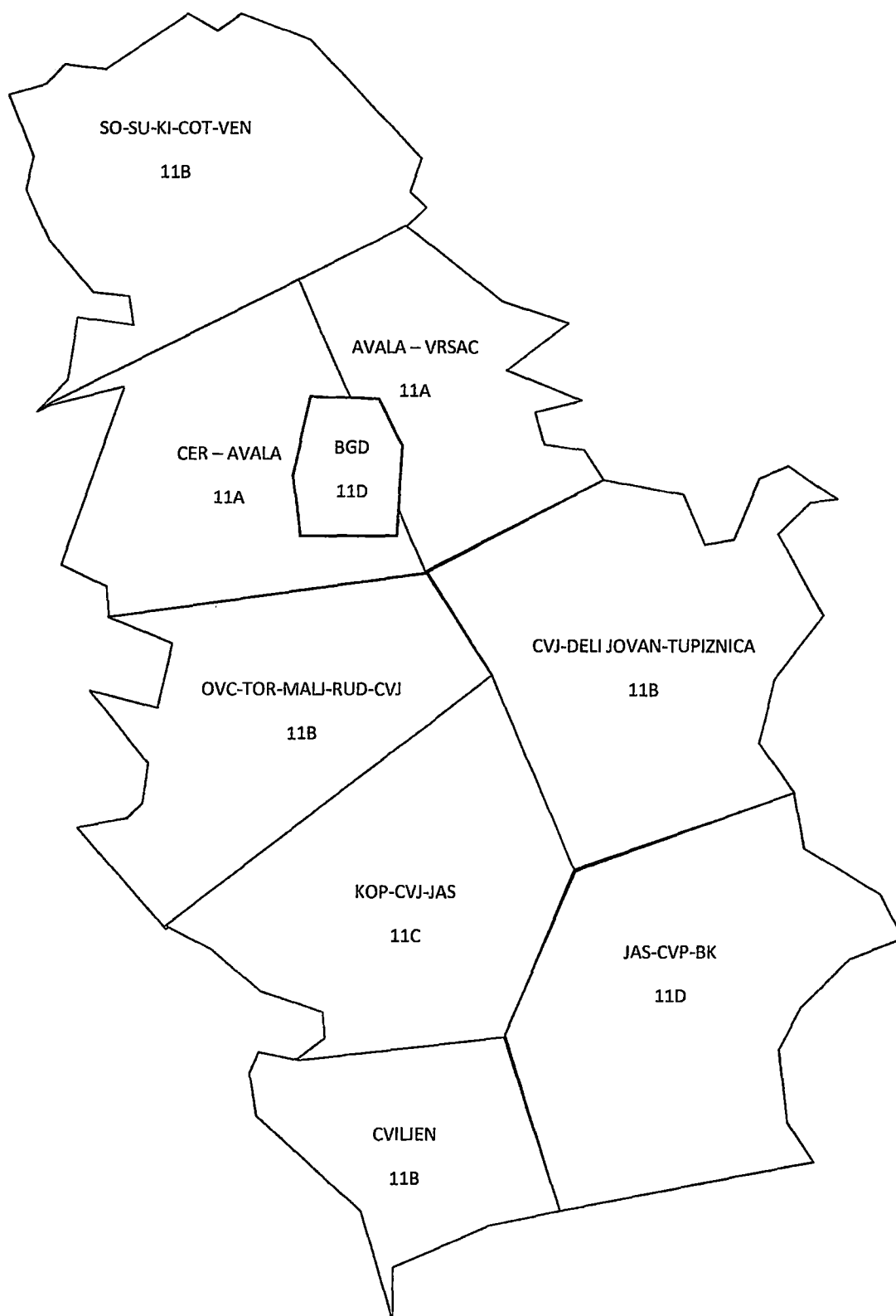
Annex 2

Frequency distribution of Administration of Serbia

Layer 1



Layer 2





Annex 3

Assignments of Administration of Bosnia and Herzegovina agreed by Administration of Serbia



BIH 237
Assignments 202306

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level [m]	Antenna directivity	Polarization	Height of antenna above ground level [m]
1	Lipovac	12D	30	17° 18' 09" E	44° 41' 24" N	726	ND	V	20
2	Gladov	12D	30	17° 27' 14" E	44° 00' 52" N	888	ND	V	20
3	Vilenica	12D	30	17° 39' 13" E	44° 12' 30" N	945	ND	V	20
4	Suhi Vrh	12D	30	17° 23' 29" E	44° 22' 59" N	1396	ND	V	20
5	Svinjar	12D	30	17° 40' 08" E	44° 47' 37" N	564	ND	V	20
6	Klopacke stijene	12D	33	17° 57' 10" E	44° 12' 40" N	802	ND	V	20
7	Trebacko brdo	12D	33	18° 03' 26" E	44° 37' 06" N	613	ND	V	20
8	Duga Njiva	12D	33	18° 13' 20" E	44° 51' 18" N	619	ND	V	20
9	Ciganiste	12D	30	18° 07' 29" E	44° 45' 36" N	545	ND	V	20
10	Lisina MG	12D	30	17° 02' 28" E	44° 23' 54" N	1425	ND	V	20
11	Martinski Vis	12D	30	17° 58' 10" E	44° 28' 10" N	935	ND	V	20
12	Paljenik	12D	40	17° 38' 10" E	44° 17' 37" N	1937	/0-125/ 3dB	V	40
13	Brekovica	12D	30	15° 53' 30" E	44° 53' 09" N	406	ND	V	20
14	Ostrelj	12D	30	16° 24' 00" E	44° 28' 00" N	1060	ND	V	20
15	Strazbenica	12D	30	16° 20' 59" E	44° 36' 13" N	1068	ND	V	20
16	Obljaj	12D	27	16° 23' 59" E	44° 11' 33" N	1187	ND	V	20
17	Keserovica Brdo	12D	34.8	15° 48' 09" E	45° 10' 31" N	225	ND	V	20
18	Kobilnjak	12D	27	16° 09' 05" E	44° 54' 23" N	347	ND	V	20
19	Velika Visoka	12D	34.8	16° 26' 46" E	44° 18' 27" N	1117	ND	V	20
20	Katuniste	12D	30	16° 52' 57" E	44° 24' 23" N	1194	ND	V	20
21	Pecigrad	12D	30	15° 52' 07" E	45° 03' 20" N	500	ND	V	20
22	Velika gomila	12D	37	16° 03' 11" E	44° 55' 20" N	790	/280-310/ 7dB	V	30
23	Motajica	12D	30	17° 39' 47" E	45° 05' 34" N	652	/280-80/ 6dB	V	25
24	Kostajnica	12D	33	16° 34' 47" E	45° 11' 02" N	366	ND	V	20
25	Ramicki Kamen	12D	30	16° 43' 20" E	44° 35' 24" N	565	ND	V	20
26	Vjesala	12D	33	16° 23' 14" E	45° 01' 21" N	297	ND	V	20
27	Lokveni vrh	12D	33	16° 36' 45" E	44° 39' 26" N	914	ND	V	20
28	Sibovi	12D	33	17° 09' 17" E	44° 46' 04" N	355	ND	V	20
29	Lisina	12D	37	16° 58' 35" E	44° 58' 21" N	949	/340-30/ 3dB	V	40
30	Olovo MS	12C	27	18° 35' 33" E	44° 08' 21" N	784	ND	V	50
31	Vares Vijaka	12C	27	18° 18' 35" E	44° 08' 45" N	1209	ND	V	50
32	Fojnica KG	12C	27	17° 53' 52" E	43° 56' 02" N	1423	ND	V	50

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level [m]	Antenna directivity	Polarization	Height of antenna above ground level [m]
33	Visoko K	12C	27	18° 11' 23" E	44° 00' 30" N	673	ND	V	50
34	BJELASNICA	12C	37	18° 15' 22" E	43° 42' 18" N	2051	/40-80/ 10dB	V	50
35	Jablanica CV	12C	33	17° 44' 31" E	43° 41' 14" N	823	ND	V	50
36	Lisin	12C	37	17° 59' 00" E	43° 46' 15" N	1728	ND	V	50
37	Cubren	12C	37	18° 07' 07" E	43° 53' 23" N	1092	ND	V	50
38	Trebevic	12C	37	18° 27' 36" E	43° 49' 09" N	1612	/35-80/ 10dB	V	50
39	Civci brdo	12B	30	19° 05' 13" E	43° 34' 35" N	1328	ND	V	50
40	Cerice	12B	30	18° 46' 53" E	43° 44' 22" N	1214	ND	V	50
41	Uhota brdo	12B	30	18° 56' 29" E	43° 36' 47" N	798	ND	V	50
42	Vijarac	12B	30	19° 25' 41" E	43° 38' 02" N	1171	ND	V	50
43	Vezac	12B	30	18° 27' 14" E	43° 30' 20" N	1173	ND	V	20
44	Mirilovici	12B	33	19° 18' 48" E	43° 45' 53" N	817	ND	V	50
45	Kmur	12B	33	18° 42' 47" E	43° 28' 33" N	1507	ND	V	50
46	Ustipraca	12B	30	19° 05' 26" E	43° 41' 02" N	612	ND	V	20
47	Tmor	12B	30	19° 05' 18" E	43° 49' 33" N	1349	ND	V	50
48	Trovrh	12B	37	18° 59' 42" E	43° 43' 06" N	1193	ND	V	20
49	Hadzica brdo	12B	34.8	18° 51' 44" E	43° 42' 44" N	1291	ND	V	50
50	Vrdi	12A	30	17° 44' 03" E	43° 30' 41" N	570	ND	V	20
51	Marin vijenac	12A	33	17° 36' 05" E	42° 56' 11" N	304	ND	V	20
52	Crgovo	12A	30	18° 19' 53" E	43° 16' 09" N	1382	ND	V	20
53	Grude Malic	12A	30	17° 21' 46" E	43° 20' 54" N	599	ND	V	20
54	Crno brdo	12A	33	17° 39' 09" E	43° 07' 38" N	414	ND	V	20
55	Mikuljaca	12A	33	17° 44' 34" E	43° 20' 57" N	640	ND	V	20
56	HRGUD	12A	37	18° 01' 40" E	43° 05' 56" N	1097	ND	V	30
57	Ivovik	12A	33	17° 09' 05" E	43° 46' 24" N	1419	ND	V	20
58	Vrana	12A	33	17° 19' 15" E	43° 59' 31" N	1706	/330-0/ 7dB	V	20
59	Listani	12A	33	16° 39' 22" E	43° 56' 58" N	720	ND	V	20
60	Rajan	12A	33	16° 51' 25" E	44° 01' 47" N	1219	ND	V	20
61	Radovan	12A	33	17° 20' 45" E	43° 29' 11" N	1100	ND	V	20
62	Tusnica	12A	37	17° 05' 47" E	43° 43' 20" N	1659	ND	V	50
63	Strazba	12A	30	18° 19' 39" E	44° 43' 03" N	450	ND	V	20
64	Kvarac	12A	30	19° 19' 49" E	44° 06' 34" N	1017	ND	V	20
65	Karahum	12A	30	18° 33' 04" E	44° 42' 44" N	679	ND	V	20
66	Ilincica	12A	30	18° 40' 24" E	44° 31' 33" N	451	ND	V	20
67	Udrigovo	12A	37	18° 53' 51" E	44° 40' 35" N	535	ND	V	55
68	Veliki Zep	12A	34.8	19° 01' 45" E	44° 03' 51" N	1537	ND	V	50
69	Mladevac	12A	33	19° 06' 00" E	44° 21' 48" N	517	ND	V	20
70	Humke	12A	33	18° 25' 57" E	44° 51' 24" N	278	ND	V	20
71	Duga Njiva	12A	33	18° 13' 20" E	44° 51' 18" N	619	/290-330/ 10dB	V	20
72	Vidova Glava	12A	30	18° 31' 27" E	44° 24' 41" N	368	ND	V	20
73	Lukavac Vijenac	12A	30	18° 26' 10" E	44° 27' 00" N	596	ND	V	20

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level [m]	Antenna directivity	Polarization	Height of antenna above ground level [m]
74	Gracanica H	12A	30	18° 23' 34" E	44° 39' 30" N	502	ND	V	20
75	Bratilo	12A	30	18° 43' 41" E	44° 13' 11" N	1186	ND	V	20
76	Bratunac Kik	12A	30	19° 18' 55" E	44° 12' 07" N	508	ND	V	20
77	Busija	12A	43	18° 50' 41" E	44° 33' 56" N	833	/290-330/ 6dB	V	55
78	Bodarnik	12A	27	18° 21' 33" E	42° 54' 47" N	908	ND	V	20
79	Ravno	12A	27	17° 58' 35" E	42° 53' 14" N	381	ND	V	20
80	Jovanovo brdo	12A	27	18° 34' 16" E	43° 08' 43" N	1071	ND	V	20
81	Lebrsnik	12A	27	18° 37' 02" E	43° 13' 03" N	1671	ND	V	20
82	Leotar	12A	37	18° 20' 28" E	42° 44' 51" N	1172	ND	V	36
83	Civci brdo	11D	30	19° 05' 13" E	43° 34' 35" N	1328	ND	V	50
84	Cerice	11D	30	18° 46' 53" E	43° 44' 22" N	1214	ND	V	50
85	Uhota brdo	11D	30	18° 56' 29" E	43° 36' 47" N	798	ND	V	50
86	Vijarac	11D	30	19° 25' 41" E	43° 38' 02" N	1171	ND	V	50
87	Vezac	11D	30	18° 27' 14" E	43° 30' 20" N	1173	ND	V	20
88	Mirilovici	11D	33	19° 18' 48" E	43° 45' 53" N	817	ND	V	50
89	Kmur	11D	33	18° 42' 47" E	43° 28' 33" N	1507	ND	V	50
90	Ustipraca	11D	30	19° 05' 26" E	43° 41' 02" N	612	ND	V	20
91	Tmor	11D	30	19° 05' 18" E	43° 49' 33" N	1349	ND	V	50
92	Trovrh	11D	37	18° 59' 42" E	43° 43' 06" N	1193	ND	V	20
93	Hadzica brdo	11D	34.8	18° 51' 44" E	43° 42' 44" N	1291	ND	V	50
94	Vrdi	11C	30	17° 44' 03" E	43° 30' 41" N	570	ND	V	20
95	Marin vijenac	11C	33	17° 36' 05" E	42° 56' 11" N	304	ND	V	20
96	Crgovo	11C	30	18° 19' 53" E	43° 16' 09" N	1382	ND	V	20
97	Grude Malic	11C	30	17° 21' 46" E	43° 20' 54" N	599	ND	V	20
98	Crno brdo	11C	33	17° 39' 09" E	43° 07' 38" N	414	ND	V	20
99	Mikuljaca	11C	33	17° 44' 34" E	43° 20' 57" N	640	ND	V	20
100	HRGUD	11C	37	18° 01' 40" E	43° 05' 56" N	1097	ND	V	30
101	Ivovik	11C	33	17° 09' 05" E	43° 46' 24" N	1419	ND	V	20
102	Vrana	11C	33	17° 19' 15" E	43° 59' 31" N	1706	/330-0/ 7dB	V	20
103	Listani	11C	33	16° 39' 22" E	43° 56' 58" N	720	ND	V	20
104	Rajan	11C	33	16° 51' 25" E	44° 01' 47" N	1219	ND	V	20
105	Radovan	11C	33	17° 20' 45" E	43° 29' 11" N	1100	ND	V	20
106	Tusnica	11C	37	17° 05' 47" E	43° 43' 20" N	1659	ND	V	50
107	Strazba	11C	30	18° 19' 39" E	44° 43' 03" N	450	ND	V	20
108	Kvarac	11C	30	19° 19' 49" E	44° 06' 34" N	1017	ND	V	20
109	Karahum	11C	30	18° 33' 04" E	44° 42' 44" N	679	ND	V	20
110	Ilincica	11C	30	18° 40' 24" E	44° 31' 33" N	451	ND	V	20
111	Udrigovo	11C	37	18° 53' 51" E	44° 40' 35" N	535	ND	V	55
112	Veliki Zep	11C	34.8	19° 01' 45" E	44° 03' 51" N	1537	ND	V	50
113	Mladevac	11C	33	19° 06' 00" E	44° 21' 48" N	517	ND	V	20
114	Humke	11C	33	18° 25' 57" E	44° 51' 24" N	278	ND	V	20

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115	Vidova Glava	11C	30	18° 31' 27" E	44° 24' 41" N	368	ND	V	20
116	Lukavac Vijenac	11C	30	18° 26' 10" E	44° 27' 00" N	596	ND	V	20
117	Gracanica H	11C	30	18° 23' 34" E	44° 39' 30" N	502	ND	V	20
118	Bratilo	11C	30	18° 43' 41" E	44° 13' 11" N	1186	ND	V	20
119	Bratunac Kik	11C	30	19° 18' 55" E	44° 12' 07" N	508	ND	V	20
120	Busija	11C	37	18° 50' 41" E	44° 33' 56" N	833	ND	V	55
121	Bodarnik	11C	27	18° 21' 33" E	42° 54' 47" N	908	ND	V	20
122	Ravno	11C	27	17° 58' 35" E	42° 53' 14" N	381	ND	V	20
123	Jovanovo brdo	11C	27	18° 34' 16" E	43° 08' 43" N	1071	ND	V	20
124	Lebrsnik	11C	27	18° 37' 02" E	43° 13' 03" N	1671	ND	V	20
125	Leotar	11C	37	18° 20' 28" E	42° 44' 51" N	1172	ND	V	36
126	Brekovica	11B	30	15° 53' 30" E	44° 53' 09" N	406	ND	V	20
127	Ostrelj	11B	30	16° 24' 00" E	44° 28' 00" N	1060	ND	V	20
128	Strazbenica	11B	30	16° 20' 59" E	44° 36' 13" N	1068	ND	V	20
129	Obljaj	11B	27	16° 23' 59" E	44° 11' 33" N	1187	ND	V	20
130	Keserovica Brdo	11B	34.8	15° 48' 09" E	45° 10' 31" N	225	ND	V	20
131	Kobiljnjak	11B	27	16° 09' 05" E	44° 54' 23" N	347	ND	V	20
132	Velika Visoka	11B	34.8	16° 26' 46" E	44° 18' 27" N	1117	ND	V	20
133	Pljesevica	11B	37	15° 45' 19" E	44° 47' 11" N	1575	/140-320/ 10dB	V	50
134	Katuniste	11B	30	16° 52' 57" E	44° 24' 23" N	1194	ND	V	20
135	Pecigrad	11B	30	15° 52' 07" E	45° 03' 20" N	500	ND	V	20
136	Velika gomila	11B	37	16° 03' 11" E	44° 55' 20" N	790	ND	V	30
137	Motajica	11B	30	17° 39' 47" E	45° 05' 34" N	652	/280-180/ 10dB	V	25
138	Kostajnica	11B	33	16° 34' 47" E	45° 11' 02" N	366	ND	V	20
139	Ramicki Kamen	11B	30	16° 43' 20" E	44° 35' 24" N	565	ND	V	20
140	Vjesala	11B	33	16° 23' 14" E	45° 01' 21" N	297	ND	V	20
141	Lokveni vrh	11B	33	16° 36' 45" E	44° 39' 26" N	914	ND	V	20
142	Sibovi	11B	33	17° 09' 17" E	44° 46' 04" N	355	ND	V	20
143	Lisina	11B	37	16° 58' 35" E	44° 58' 21" N	949	/340-30/ 3dB	V	40
144	Olovo MS	11B	27	18° 35' 33" E	44° 08' 21" N	784	ND	V	50
145	Vares Vijaka	11B	27	18° 18' 35" E	44° 08' 45" N	1209	ND	V	50
146	Fojnica KG	11B	27	17° 53' 52" E	43° 56' 02" N	1423	ND	V	50
147	Visoko K	11B	27	18° 11' 23" E	44° 00' 30" N	673	ND	V	50
148	BJELASNICA	11B	37	18° 15' 22" E	43° 42' 18" N	2051	/65-120/ 3dB	V	50
149	Jablanica CV	11B	33	17° 44' 31" E	43° 41' 14" N	823	ND	V	50
150	Lisin	11B	37	17° 59' 00" E	43° 46' 15" N	1728	ND	V	50
151	Cubren	11B	37	18° 07' 07" E	43° 53' 23" N	1092	ND	V	50
152	Trebevic	11B	37	18° 27' 36" E	43° 49' 09" N	1612	/70-125/ 3dB	V	50
153	Lipovac	11A	30	17° 18' 09" E	44° 41' 24" N	726	ND	V	20
154	Gladov	11A	30	17° 27' 14" E	44° 00' 52" N	888	ND	V	20
155	Vilenica	11A	30	17° 39' 13" E	44° 12' 30" N	945	ND	V	20

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156	Suhi Vrh	11A	30	17° 23' 29" E	44° 22' 59" N	1396	ND	V	20
157	Svinjar	11A	30	17° 40' 08" E	44° 47' 37" N	564	ND	V	20
158	Klopacke stijene	11A	33	17° 57' 10" E	44° 12' 40" N	802	ND	V	20
159	Trebacko brdo	11A	33	18° 03' 26" E	44° 37' 06" N	613	ND	V	20
160	Duga Njiva	11A	33	18° 13' 20" E	44° 51' 18" N	619	ND	V	20
161	Motajica	11A	30	17° 39' 47" E	45° 05' 34" N	652	/250-270/ 10dB	V	25
162	Ciganiste	11A	30	18° 07' 29" E	44° 45' 36" N	545	ND	V	20
163	Lisina MG	11A	30	17° 02' 28" E	44° 23' 54" N	1425	/240-300/ 7dB	V	20
164	Martinski Vis	11A	30	17° 58' 10" E	44° 28' 10" N	935	ND	V	20
165	Vrdi	10C	30	17° 44' 03" E	43° 30' 41" N	570	ND	V	20
166	Marin vijenac	10C	33	17° 36' 05" E	42° 56' 11" N	304	ND	V	20
167	Crgovo	10C	30	18° 19' 53" E	43° 16' 09" N	1382	ND	V	20
168	Grude Malic	10C	30	17° 21' 46" E	43° 20' 54" N	599	ND	V	20
169	Crno brdo	10C	33	17° 39' 09" E	43° 07' 38" N	414	ND	V	20
170	Mikuljaca	10C	33	17° 44' 34" E	43° 20' 57" N	640	ND	V	20
171	HRGUD	10C	37	18° 01' 40" E	43° 05' 56" N	1097	ND	V	30
172	Ivovik	10C	33	17° 09' 05" E	43° 46' 24" N	1419	ND	V	20
173	Vrana	10C	33	17° 19' 15" E	43° 59' 31" N	1706	/330-0/ 7dB	V	20
174	Listani	10C	33	16° 39' 22" E	43° 56' 58" N	720	ND	V	20
175	Rajan	10C	33	16° 51' 25" E	44° 01' 47" N	1219	ND	V	20
176	Radovan	10C	33	17° 20' 45" E	43° 29' 11" N	1100	ND	V	20
177	Tusnica	10C	37	17° 05' 47" E	43° 43' 20" N	1659	ND	V	50
178	Strazba	10C	30	18° 19' 39" E	44° 43' 03" N	450	ND	V	20
179	Kvarac	10C	30	19° 19' 49" E	44° 06' 34" N	1017	ND	V	20
180	Karahum	10C	30	18° 33' 04" E	44° 42' 44" N	679	ND	V	20
181	Ilincica	10C	30	18° 40' 24" E	44° 31' 33" N	451	ND	V	20
182	Udrigovo	10C	37	18° 53' 51" E	44° 40' 35" N	535	ND	V	55
183	Veliki Zep	10C	34.8	19° 01' 45" E	44° 03' 51" N	1537	ND	V	50
184	Mladevac	10C	33	19° 06' 00" E	44° 21' 48" N	517	ND	V	20
185	Humke	10C	33	18° 25' 57" E	44° 51' 24" N	278	ND	V	20
186	Duga Njiva	10C	33	18° 13' 20" E	44° 51' 18" N	619	/290-330/ 10dB	V	20
187	Vidova Glava	10C	30	18° 31' 27" E	44° 24' 41" N	368	ND	V	20
188	Lukavac Vijenac	10C	30	18° 26' 10" E	44° 27' 00" N	596	ND	V	20
189	Gracanica H	10C	30	18° 23' 34" E	44° 39' 30" N	502	ND	V	20
190	Bratilo	10C	30	18° 43' 41" E	44° 13' 11" N	1186	ND	V	20
191	Bratunac Kik	10C	30	19° 18' 55" E	44° 12' 07" N	508	ND	V	20
192	Busija	10C	43	18° 50' 41" E	44° 33' 56" N	833	/290-40/ 6dB	V	55
193	Bodarnik	10C	27	18° 21' 33" E	42° 54' 47" N	908	ND	V	20
194	Ravno	10C	27	17° 58' 35" E	42° 53' 14" N	381	ND	V	20
195	Jovanovo brdo	10C	27	18° 34' 16" E	43° 08' 43" N	1071	ND	V	20
196	Lebrsnik	10C	27	18° 37' 02" E	43° 13' 03" N	1671	ND	V	20

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level [m]	Antenna directivity	Polarization	Height of antenna above ground level [m]
197	Leotar	10C	37	18° 20' 28" E	42° 44' 51" N	1172	ND	V	36
198	Brekovica	10B	30	15° 53' 30" E	44° 53' 09" N	406	ND	V	20
199	Ostrelj	10B	30	16° 24' 00" E	44° 28' 00" N	1060	ND	V	20
200	Strazbenica	10B	30	16° 20' 59" E	44° 36' 13" N	1068	ND	V	20
201	Obljaj	10B	27	16° 23' 59" E	44° 11' 33" N	1187	ND	V	20
202	Keserovica Brdo	10B	34.8	15° 48' 09" E	45° 10' 31" N	225	ND	V	20
203	Kobiljnjak	10B	27	16° 09' 05" E	44° 54' 23" N	347	ND	V	20
204	Velika Visoka	10B	34.8	16° 26' 46" E	44° 18' 27" N	1117	ND	V	20
205	Pljesevica	10B	37	15° 45' 19" E	44° 47' 11" N	1575	/140-320/ 10dB	V	50
206	Katuniste	10B	30	16° 52' 57" E	44° 24' 23" N	1194	ND	V	20
207	Pecigrad	10B	30	15° 52' 07" E	45° 03' 20" N	500	ND	V	20
208	Velika gomila	10B	37	16° 03' 11" E	44° 55' 20" N	790	ND	V	30
209	Kostajnica	10B	33	16° 34' 47" E	45° 11' 02" N	366	ND	V	20
210	Ramicki Kamen	10B	30	16° 43' 20" E	44° 35' 24" N	565	ND	V	20
211	Vjesala	10B	33	16° 23' 14" E	45° 01' 21" N	297	ND	V	20
212	Lokveni vrh	10B	33	16° 36' 45" E	44° 39' 26" N	914	ND	V	20
213	Sibovi	10B	33	17° 09' 17" E	44° 46' 04" N	355	ND	V	20
214	Lisina	10B	37	16° 58' 35" E	44° 58' 21" N	949	ND	V	40
215	Lipovac	10A	30	17° 18' 09" E	44° 41' 24" N	726	ND	V	20
216	Gladov	10A	30	17° 27' 14" E	44° 00' 52" N	888	ND	V	20
217	Vilenica	10A	30	17° 39' 13" E	44° 12' 30" N	945	ND	V	20
218	Suhi Vrh	10A	30	17° 23' 29" E	44° 22' 59" N	1396	ND	V	20
219	Svinjar	10A	30	17° 40' 08" E	44° 47' 37" N	564	ND	V	20
220	Klopacke stijene	10A	33	17° 57' 10" E	44° 12' 40" N	802	ND	V	20
221	Trebacko brdo	10A	33	18° 03' 26" E	44° 37' 06" N	613	ND	V	20
222	Motajica	10A	30	17° 39' 47" E	45° 05' 34" N	652	ND	V	25
223	Ciganiste	10A	30	18° 07' 29" E	44° 45' 36" N	545	ND	V	20
224	Lisina MG	10A	30	17° 02' 28" E	44° 23' 54" N	1425	ND	V	20
225	Martinski Vis	10A	30	17° 58' 10" E	44° 28' 10" N	935	ND	V	20
226	Paljenik	10A	40	17° 38' 10" E	44° 17' 37" N	1937	/40-70/ 3dB; 180-230/ 3dB	V	40
227	Civci brdo	10A	30	19° 05' 13" E	43° 34' 35" N	1328	ND	V	50
228	Cerice	10A	30	18° 46' 53" E	43° 44' 22" N	1214	ND	V	50
229	Uhota brdo	10A	30	18° 56' 29" E	43° 36' 47" N	798	ND	V	50
230	Vijarac	10A	30	19° 25' 41" E	43° 38' 02" N	1171	ND	V	50
231	Vezac	10A	30	18° 27' 14" E	43° 30' 20" N	1173	ND	V	20
232	Mirilovici	10A	33	19° 18' 48" E	43° 45' 53" N	817	ND	V	50
233	Kmur	10A	33	18° 42' 47" E	43° 28' 33" N	1507	ND	V	50
234	Ustipraca	10A	30	19° 05' 26" E	43° 41' 02" N	612	ND	V	20
235	Tmor	10A	30	19° 05' 18" E	43° 49' 33" N	1349	ND	V	50
236	Trovrh	10A	37	18° 59' 42" E	43° 43' 06" N	1193	ND	V	20
237	Hadzica brdo	10A	34.8	18° 51' 44" E	43° 42' 44" N	1291	ND	V	50

Annex 4

Assignments of Administration of Serbia agreed by Administration of Bosnia and Herzegovina



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No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
1	CRVENI COT	10A	40	19 E 42 40	45 N 09 04	530	/110-270/ 33 dBW	V	96
2	SUBOTICA	10A	40	19 E 37 45	46 N 04 31	115	/240-60/ 27 dBW	V	195
3	KIKINDA	10A	40	20 E 28 56	45 N 51 16	75	/350-110/ 30 dBW	V	100
4	SOMBOR	10A	40	19 E 15 40	45 N 47 18	96	ND	V	100
5	GOC	10A	33	20 E 52 24	43 N 33 45	1066	ND	V	30
6	KOPAONIK GOBELJA	10A	37	20 E 49 23	43 N 19 05	1906	ND	V	72
7	GOLIJA	10A	30	20 E 20 02	43 N 16 28	1646	ND	V	40
8	KOPAONIK PANCIC	10A	30	20 E 49 16	43 N 16 09	1955	/270-90/ 17 dBW	V	10
9	NOVI PAZAR- SUTENOVAC	10A	30	20 E 30 54	43 N 06 40	780	ND	V	30
10	JASTREBAC	10A	41.8	21 E 27 56	43 N 22 57	1447	ND	V	114
11	VRSAC	10B	40	21 E 19 30	45 N 07 23	386	/330-150/ 27 dBW	V	30
12	AVALA	10B	41.8	20 E 30 52	44 N 41 46	400	ND	V	182
13	CER	10B	33	19 E 29 40	44 N 36 11	674	/200-340/ 30 dBW	V	50
14	GUCEVO	10B	30	19 E 10 38	44 N 29 18	758	/200-0/ 18 dBW	V	30
15	VALJEVO-PECINA	10B	23	19 E 52 25	44 N 16 00	242	ND	V	35
16	MALJEN	10B	37	20 E 00 35	44 N 08 27	1027	ND	V	30
17	BESNA KOBILA	10B	40	22 E 13 50	42 N 31 46	1887	ND	V	47
18	SVETI ILIJA	10B	37	21 E 48 17	42 N 34 24	1256	ND	V	40
19	CRNI VRH P	10B	33	22 E 39 10	43 N 10 57	1122	ND	V	25
20	SLJIVOVICKI VIS	10B	30	22 E 21 28	43 N 09 47	1212	ND	V	15
21	TUPIZNICA	10C	40	22 E 09 25	43 N 41 55	1112	/30-190/ 33 dBW	V	100
22	DELI JOVAN	10C	37	22 E 13 02	44 N 13 14	1105	/40-110/ 32 dBW	V	65
23	STUBEJ	10C	33	21 E 37 45	44 N 21 30	920	/300-30/ 27 dBW	V	30
24	CRNI VRH J	10D	41.8	21 E 06 38	44 N 00 36	693	ND	V	100
25	RUDNIK	10D	37	20 E 32 22	44 N 07 55	1121	/300-330/ 20 dBW, /340-70/ 30 dBW	V	55
26	OVCAR	10D	41.8	20 E 13 02	43 N 53 47	893	/310-330/ 37 dBW	V	98
27	BAJINA BASTA	10D	33	19 E 27 29	43 N 56 32	1021	/210-350/ 27 dBW	V	30
28	BITOVIK	10D	37	19 E 41 32	43 N 26 54	1325	ND	V	25
29	TORNIK	10D	40	19 E 38 24	43 N 39 15	1394	/200-330/ 34 dBW, /340-350/ 30 dBW	V	37
30	UZICE ZABUCJE	10D	30	19 E 49 41	43 N 50 51	714	ND	V	30

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
31	VRSAČ	11A	40	21 E 19 30	45 N 07 23	386	/330-150/ 27 dBW	V	30
32	AVALA	11A	41.8	20 E 30 52	44 N 41 46	400	ND	V	182
33	CER	11A	33	19 E 29 40	44 N 36 11	674	/200-340/ 30 dBW	V	50
34	GUČEVO	11A	30	19 E 10 38	44 N 29 18	758	/200-0/ 18 dBW	V	30
35	VALJEVO-PECINA	11A	23	19 E 52 25	44 N 16 00	242	ND	V	35
36	CRVENI COT	11B	40	19 E 42 40	45 N 09 04	530	/110-210/ 30 dBW	V	96
37	SUBOTICA	11B	40	19 E 37 45	46 N 04 31	115	/240-60/ 27 dBW	V	195
38	KIKINDA	11B	40	20 E 28 56	45 N 51 16	75	/350-110/ 30 dBW	V	100
39	SOMBOR	11B	40	19 E 15 40	45 N 47 18	96	ND	V	100
40	CRNI VRH J	11B	41.8	21 E 06 38	44 N 00 36	693	ND	V	100
41	RUDNIK	11B	37	20 E 32 22	44 N 07 55	1121	/300-70/ 30 dBW	V	55
42	TUPIZNICA	11B	40	22 E 09 25	43 N 41 55	1112	/30-190/ 33 dBW	V	100
43	DELI JOVAN	11B	37	22 E 13 02	44 N 13 14	1105	/40-110/ 32 dBW	V	65
44	STUBEJ	11B	33	21 E 37 45	44 N 21 30	920	/300-30/ 27 dBW	V	30
45	OVČAR	11B	41.8	20 E 13 02	43 N 53 47	893	ND	V	98
46	BAJINA BASTA	11B	33	19 E 27 29	43 N 56 32	1021	/210-350/ 27 dBW	V	30
47	BITOVİK	11B	37	19 E 41 32	43 N 26 54	1325	/270-310/ 27 dBW, /330-350/ 31 dBW	V	25
48	TORNIK	11B	40	19 E 38 24	43 N 39 15	1394	/200-330/ 34 dBW	V	37
49	UZICE ZABUČJE	11B	30	19 E 49 41	43 N 50 51	714	ND	V	30
50	MALJEN	11B	37	20 E 00 35	44 N 08 27	1027	ND	V	30
51	GOC	11C	33	20 E 52 24	43 N 33 45	1066	ND	V	30
52	KOPAONIK GOBELJA	11C	37	20 E 49 23	43 N 19 05	1906	ND	V	72
53	GOLİJA	11C	30	20 E 20 02	43 N 16 28	1646	ND	V	40
54	KOPAONIK PANCİC	11C	30	20 E 49 16	43 N 16 09	1955	/270-90/ 17 dBW	V	10
55	NOVI PAZAR- SUTENOVAC	11C	30	20 E 30 54	43 N 06 40	780	ND	V	30
56	BESNA KOBILA	11D	40	22 E 13 50	42 N 31 46	1887	ND	V	47
57	SVETI ILİJA	11D	37	21 E 48 17	42 N 34 24	1256	ND	V	40
58	CRNI VRH P	11D	33	22 E 39 10	43 N 10 57	1122	ND	V	25
59	SLJİVOVİCKI VIS	11D	30	22 E 21 28	43 N 09 47	1212	ND	V	15
60	JASTREBAC	11D	41.8	21 E 27 56	43 N 22 57	1447	/350-0/ 39.8 dBW, /20-50/ 34.8 dBW	V	114
61	BARAJEVO	11D	30	20 E 25 37	44 N 34 57	222	ND	V	14
62	OBRENOVAC	11D	24.8	20 E 17 01	44 N 38 54	197	/260-340/ 11.6 dBW	V	22
63	BEOGRADJANKA	11D	27	20 E 27 49	44 N 48 26	126	ND	V	110
64	BEOGRAD TORLAK	11D	30	20 E 30 53	44 N 44 21	328	/10-60/ 27 dBW	V	30
65	KOSMAJ	11D	33	20 E 34 38	44 N 28 34	539	/10-40/ 30 dBW, /130-190/ 20 dBW	V	20
66	TUPIZNICA	12A	40	22 E 09 25	43 N 41 55	1112	/30-190/ 33 dBW	V	100
67	DELI JOVAN	12A	37	22 E 13 02	44 N 13 14	1105	/40-110/ 32 dBW	V	65

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
68	STUBEJ	12A	33	21 E 37 45	44 N 21 30	920	/300-30/ 27 dBW	V	30
69	BESNA KOBILA	12B	40	22 E 13 50	42 N 31 46	1887	ND	V	47
70	SVETI ILIJA	12B	37	21 E 48 17	42 N 34 24	1256	ND	V	40
71	CRNI VRH P	12B	33	22 E 39 10	43 N 10 57	1122	ND	V	25
72	SLJIVOVICKI VIS	12B	30	22 E 21 28	43 N 09 47	1212	ND	V	15
73	JASTREBAC	12B	41.8	21 E 27 56	43 N 22 57	1447	/350-0/ 33.8 dBW	V	114
74	GOC	12B	33	20 E 52 24	43 N 33 45	1066	ND	V	30
75	KOPAONIK GOBELJA	12B	37	20 E 49 23	43 N 19 05	1906	ND	V	72
76	GOLIJA	12B	30	20 E 20 02	43 N 16 28	1646	ND	V	40
77	KOPAONIK PANCIC	12B	30	20 E 49 16	43 N 16 09	1955	/270-90/ 17 dBW	V	10
78	NOVI PAZAR- SUTENOVAC	12B	30	20 E 30 54	43 N 06 40	780	ND	V	30
79	VRSAČ	12C	40	21 E 19 30	45 N 07 23	386	/330-150/ 27 dBW	V	30
80	CRNI VRH J	12C	41.8	21 E 06 38	44 N 00 36	693	ND	V	100
81	AVALA	12C	41.8	20 E 30 52	44 N 41 46	400	ND	V	182
82	CER	12C	33	19 E 29 40	44 N 36 11	674	/200-340/ 30 dBW	V	50
83	GUČEVO	12C	30	19 E 10 38	44 N 29 18	758	/200-0/ 18 dBW	V	30
84	VALJEVO-PECINA	12C	23	19 E 52 25	44 N 16 00	242	ND	V	35
85	MALJEN	12C	37	20 E 00 35	44 N 08 27	1027	ND	V	30
86	CRVENI COT	12D	40	19 E 42 40	45 N 09 04	530	/110-270/ 33 dBW	V	96
87	SUBOTICA	12D	40	19 E 37 45	46 N 04 31	115	/240-60/ 27 dBW	V	195
88	KIKINDA	12D	40	20 E 28 56	45 N 51 16	75	/350-110/ 30 dBW	V	100
89	SOMBOR	12D	40	19 E 15 40	45 N 47 18	96	ND	V	100
90	RUDNIK	12D	37	20 E 32 22	44 N 07 55	1121	/300-70/ 30 dBW	V	55
91	OVCAR	12D	41.8	20 E 13 02	43 N 53 47	893	ND	V	98
92	BAJINA BASTA	12D	33	19 E 27 29	43 N 56 32	1021	/210-350/ 27 dBW	V	30
93	BITOVİK	12D	37	19 E 41 32	43 N 26 54	1325	ND	V	25
94	TORNIK	12D	40	19 E 38 24	43 N 39 15	1394	/200-330/ 34 dBW	V	37
95	UZICE ZABUCJE	12D	30	19 E 49 41	43 N 50 51	714	ND	V	30