

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

Administration of Croatia and Administration of Serbia

Република Србија
Регулаторна агенција за електронске
комуникације и поштанске услуге
Београд

БРОЈ: 1-01-3483-4/23

ДАТУМ: 15-06-2023

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 Croatia** 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, demanding 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, while ensuring efficient use of frequency spectrum and taking into account country specifics. Majority of 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 exchanging 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, checked and agreed by both Administrations before signing of this Agreement. 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. of the MFA states the common understanding of the Parties.

Final remarks

The frequency plan may 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.

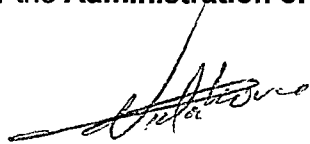
Language of the Agreement

This Agreement is prepared in English in two originals. Each Party holds one original.

Place: Budapest, Hungary

Date: 12 June 2023

for the **Administration of Croatia**

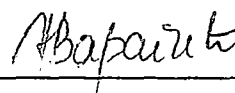


Danijel Vidaković

Head of Department
Spectrum Management Department

**Croatian Regulatory Authority
for Network Industries (HAKOM)**

for the **Administration of Serbia**



Natalija Varagić

Coordinator of Radio Broadcasting Group

**Regulatory Authority for Electronic Communications
and Postal Services (RATEL)**

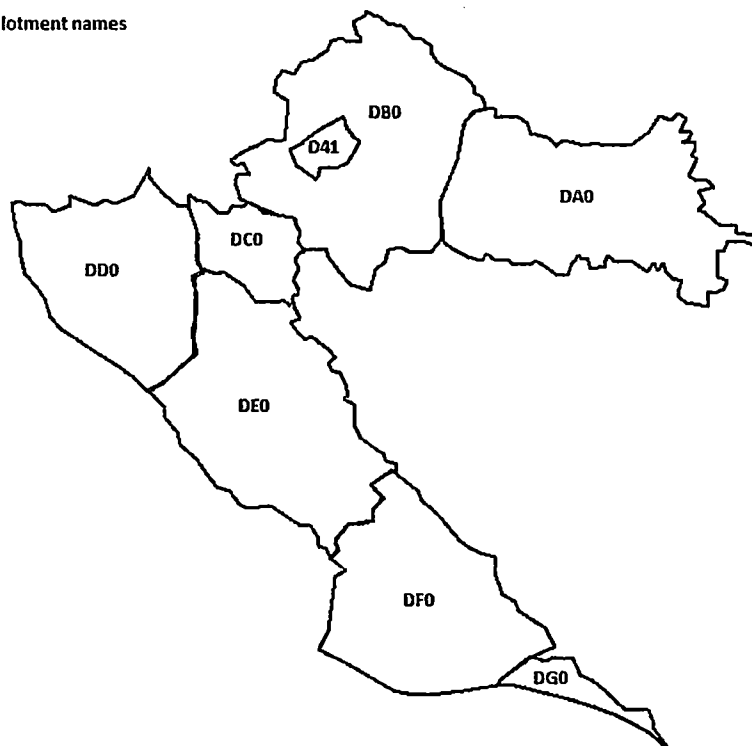


Annex 1

Frequency distribution of Administration of Croatia

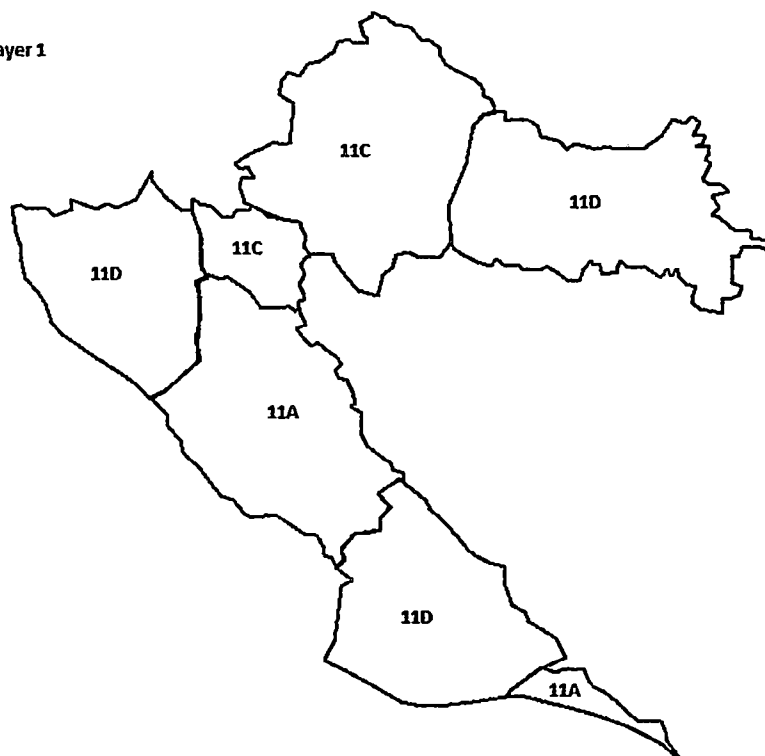
Allotment names

Allotment names



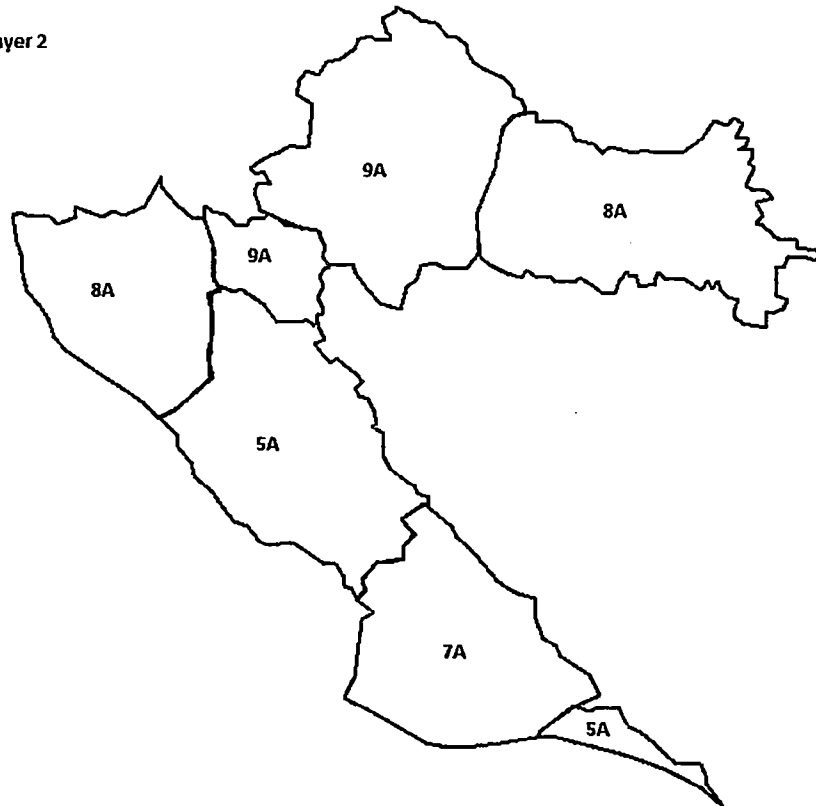
Layer 1

Layer 1



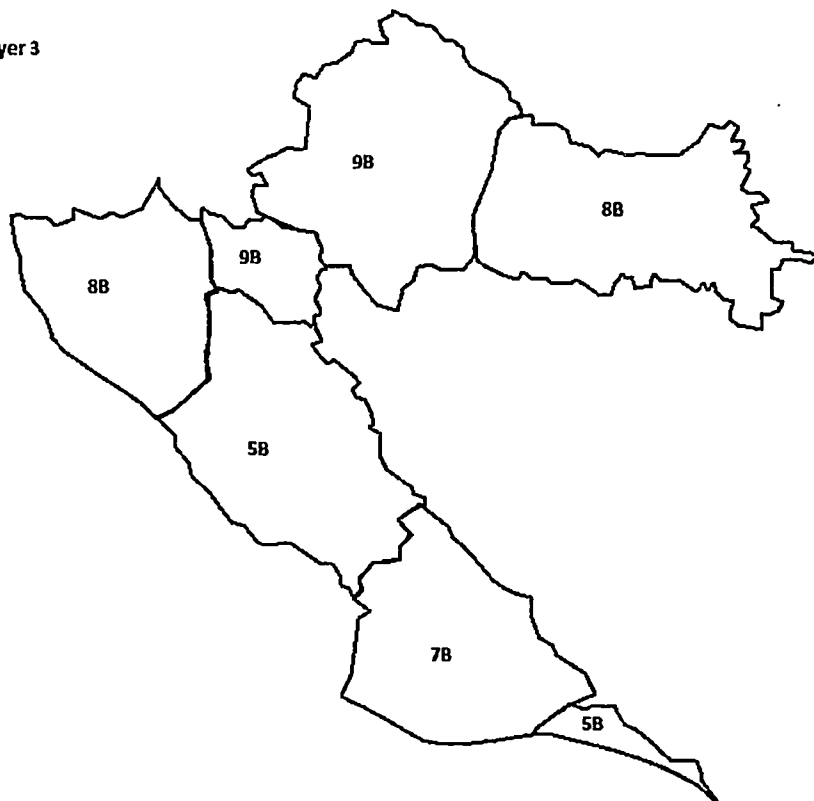
Layer 2

Layer 2



Layer 3

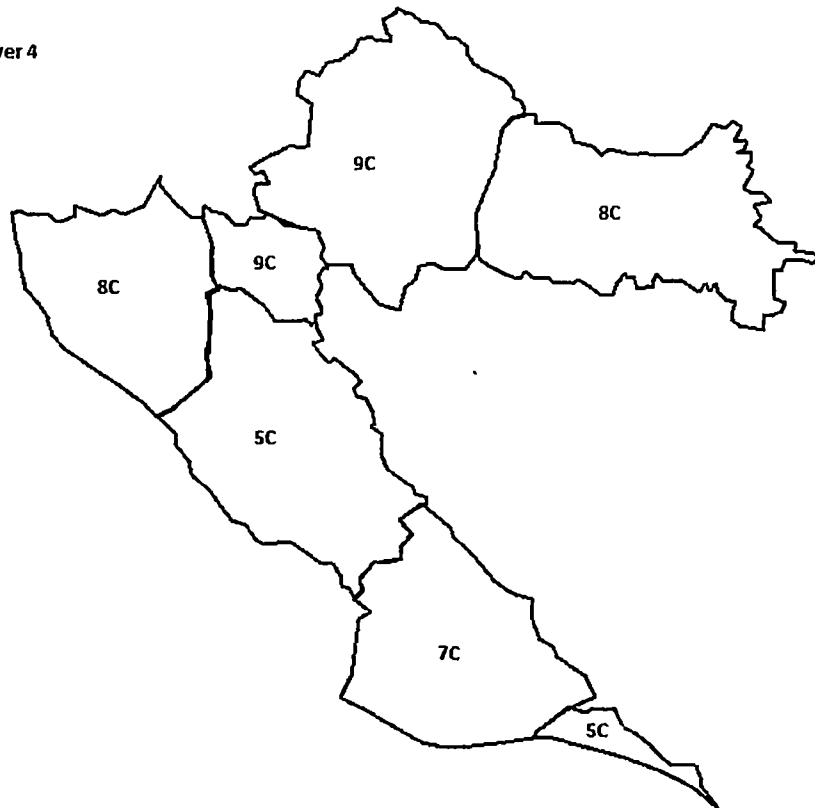
Layer 3



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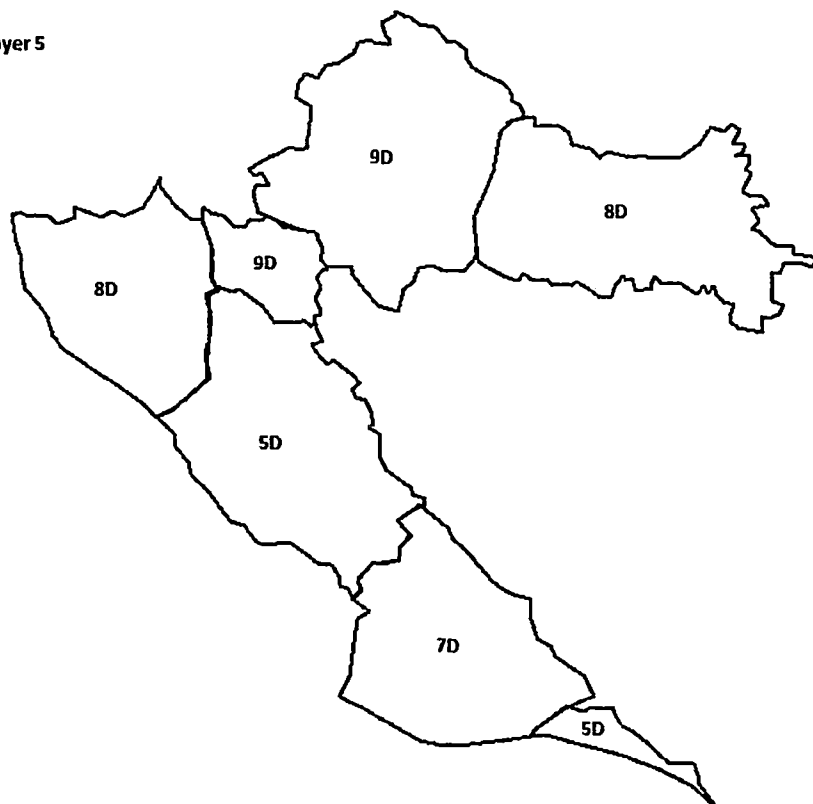
Layer 4

Layer 4



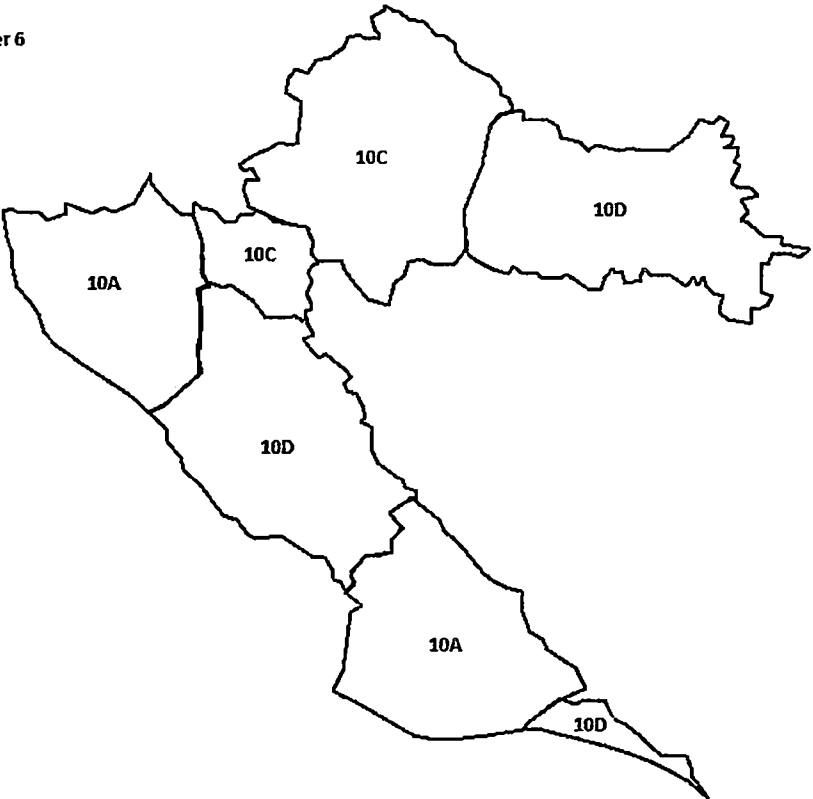
Layer 5

Layer 5



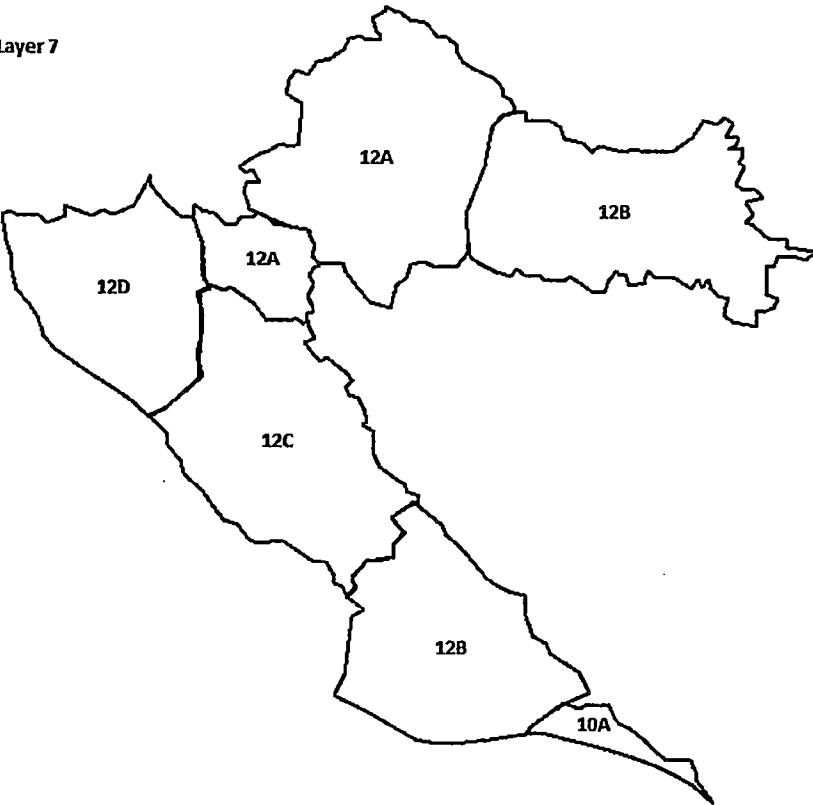
Layer 6

Layer 6



Layer 7

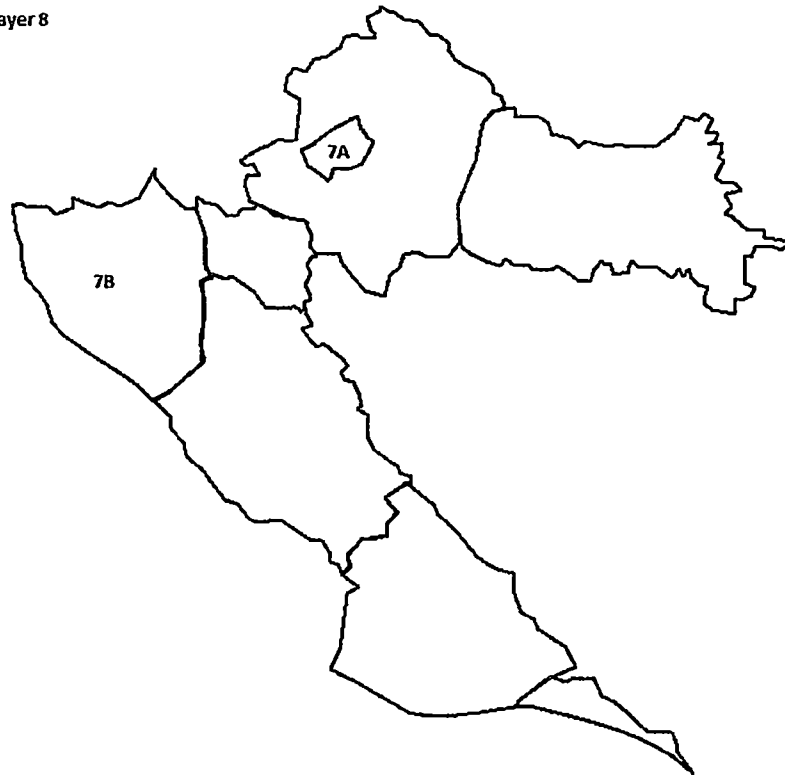
Layer 7



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Layer 8

Layer 8



Layer 9

Layer 9

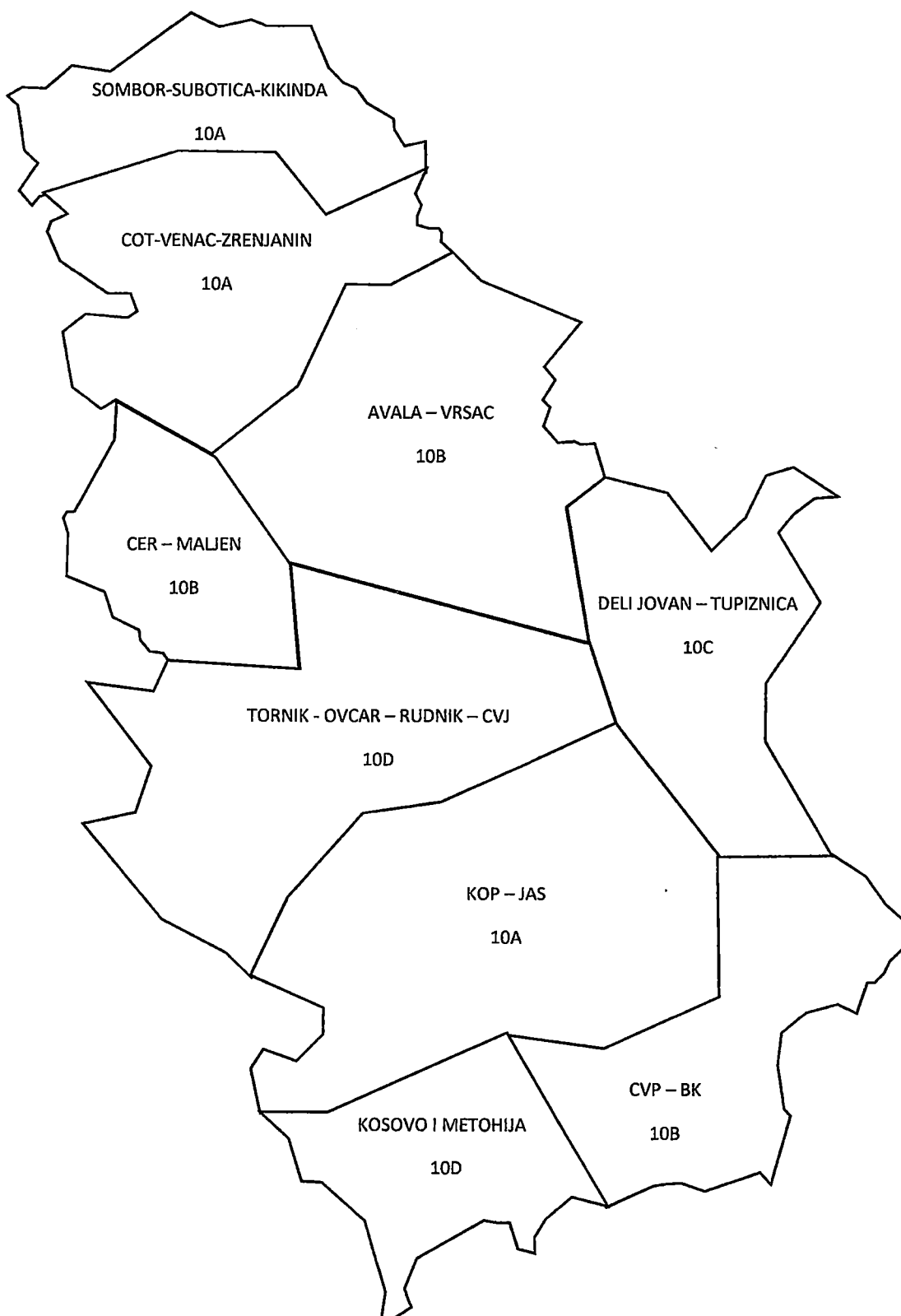


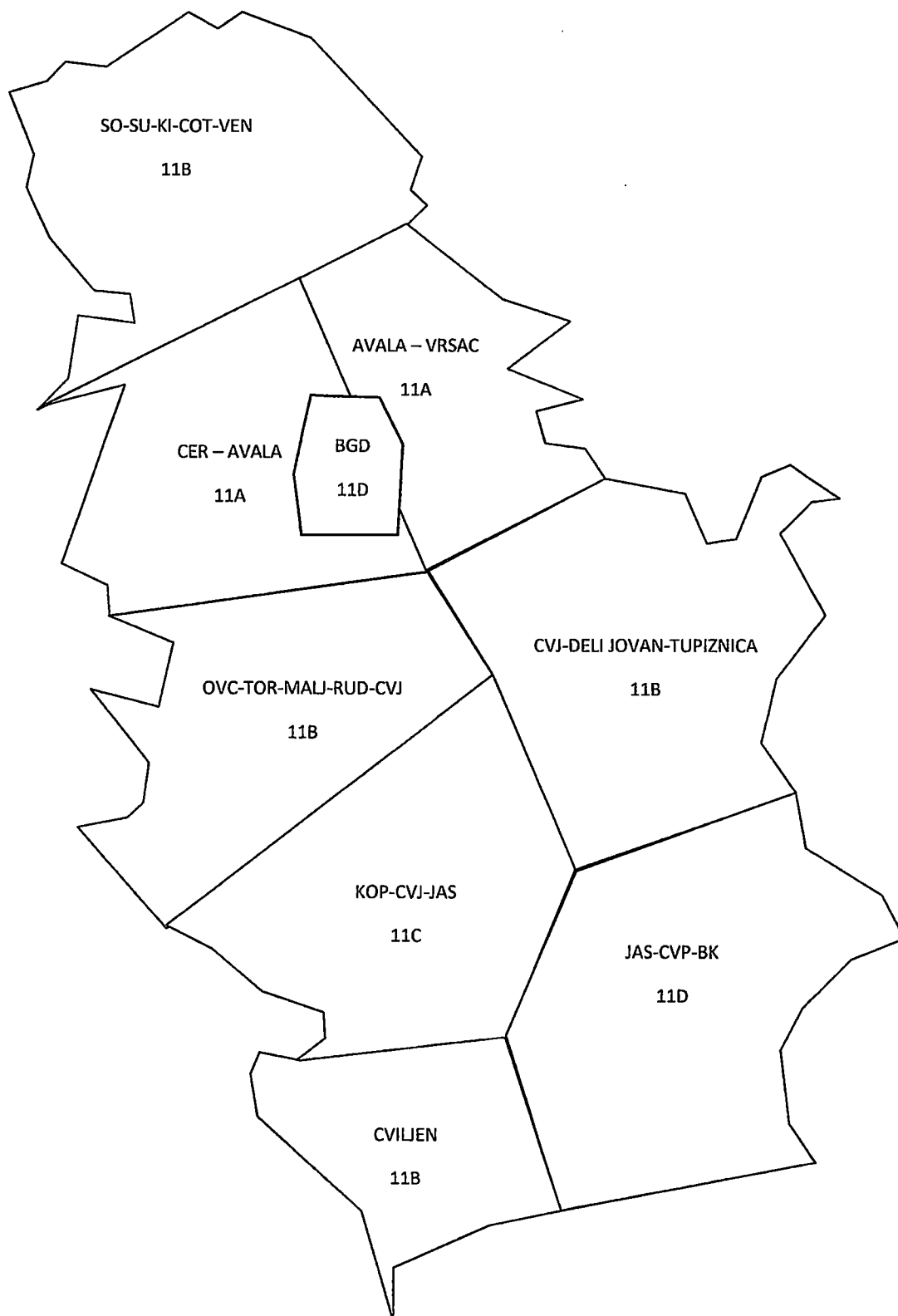
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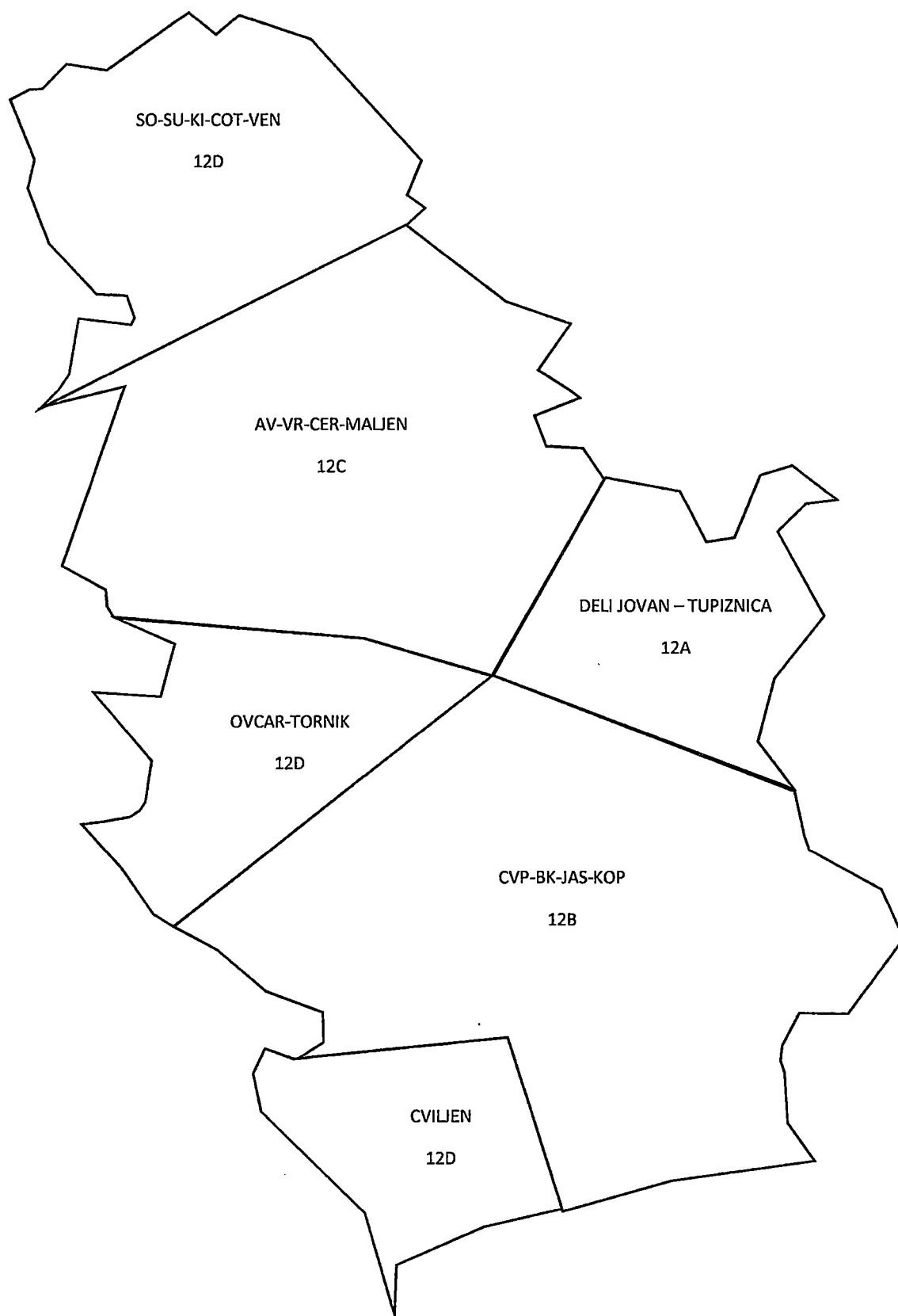
Annex 2

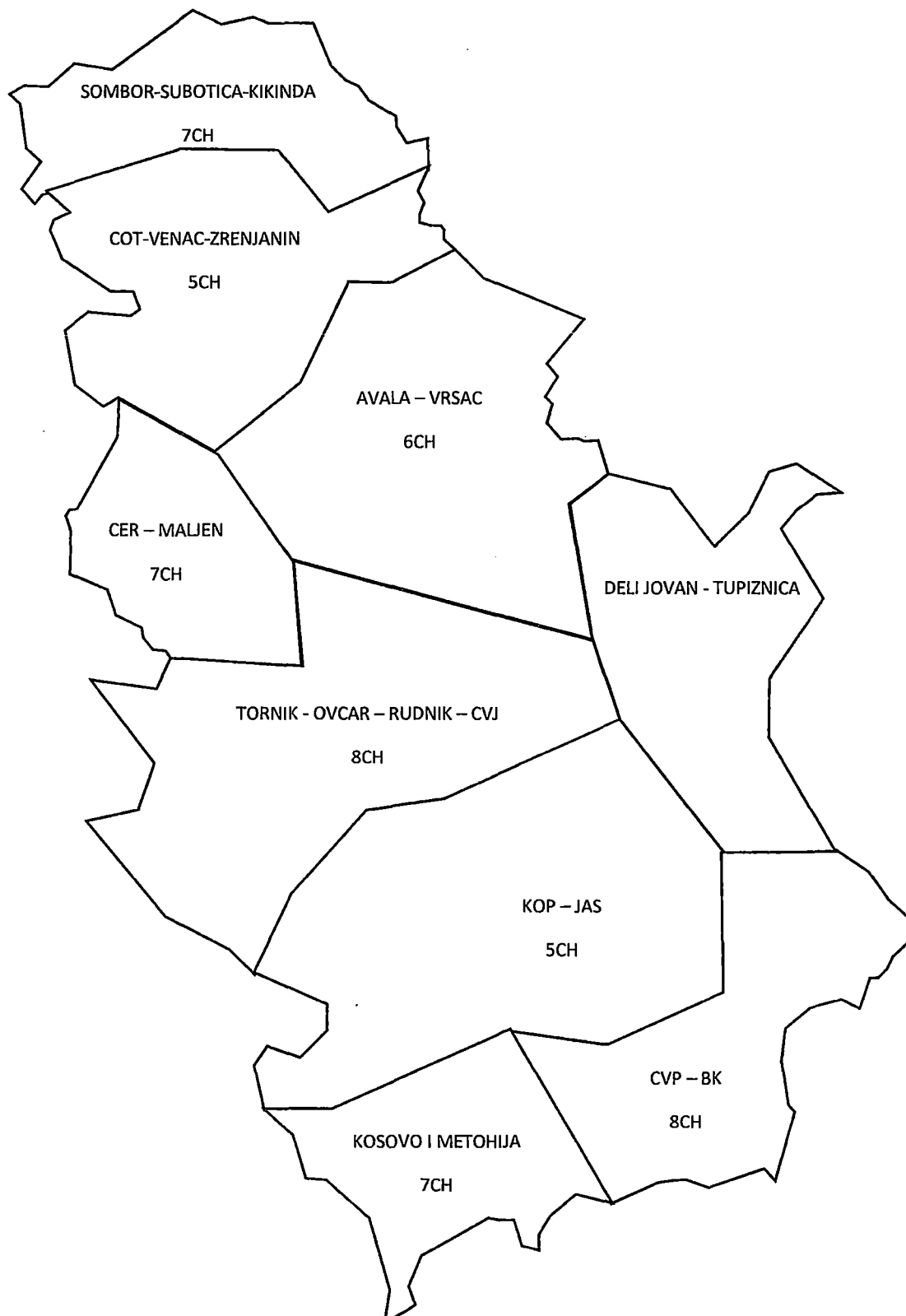
Frequency distribution of Administration of Serbia

Layer 1









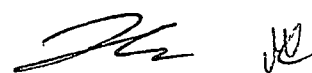
Annex 3

Assignments of Administration of Croatia agreed by Administration of Serbia

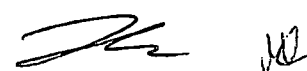
No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
1	BELJE	8A	40	018 E 41 19	45 N 47 43	237	/270-120/ 33 dBW	V	188
2	BELJE	8B	40	018 E 41 19	45 N 47 43	237	/270-120/ 33 dBW	V	188
3	BELJE	8C	40	018 E 41 19	45 N 47 43	237	/270-120/ 33 dBW	V	188
4	BELJE	8D	40	018 E 41 19	45 N 47 43	237	/270-120/ 33 dBW	V	188
5	BELJE	10D	40	018 E 41 19	45 N 47 43	237	/270-120/ 33 dBW	V	188
6	BELJE	11D	40	018 E 41 19	45 N 47 43	237	/270-120/ 33 dBW	V	188
7	BELJE	12B	40	018 E 41 19	45 N 47 43	237	/270-120/ 33 dBW	V	188
8	BIOKOVO	7A	43	017 E 03 14	43 N 20 33	1756	/0-80/ 33 dBW	V	50
9	BIOKOVO	7B	43	017 E 03 14	43 N 20 33	1756	/0-80/ 33 dBW	V	50
10	BIOKOVO	7C	43	017 E 03 14	43 N 20 33	1756	/0-80/ 33 dBW	V	50
11	BIOKOVO	7D	43	017 E 03 14	43 N 20 33	1756	/0-80/ 33 dBW	V	50
12	BIOKOVO	10A	43	017 E 03 14	43 N 20 33	1756	/0-80/ 33 dBW	V	50
13	BIOKOVO	11D	43	017 E 03 14	43 N 20 33	1756	/0-80/ 33 dBW	V	50
14	BIOKOVO	12B	43	017 E 03 14	43 N 20 33	1756	/0-80/ 33 dBW	V	50
15	BORINCI	8A	40	018 E 44 18	45 N 18 23	104	ND	V	140
16	BORINCI	8B	40	018 E 44 18	45 N 18 23	104	ND	V	140
17	BORINCI	8C	40	018 E 44 18	45 N 18 23	104	ND	V	140
18	BORINCI	8D	40	018 E 44 18	45 N 18 23	104	ND	V	140
19	BORINCI	10D	40	018 E 44 18	45 N 18 23	104	ND	V	140
20	BORINCI	11D	40	018 E 44 18	45 N 18 23	104	ND	V	140
21	BORINCI	12B	40	018 E 44 18	45 N 18 23	104	ND	V	140
22	CELEVAC	5A	43	015 E 46 59	44 N 15 35	1179	ND	V	70
23	CELEVAC	5B	43	015 E 46 59	44 N 15 35	1179	ND	V	70
24	CELEVAC	5C	43	015 E 46 59	44 N 15 35	1179	ND	V	70
25	CELEVAC	5D	43	015 E 46 59	44 N 15 35	1179	ND	V	70
26	CELEVAC	10D	43	015 E 46 59	44 N 15 35	1179	ND	V	70
27	CELEVAC	11A	43	015 E 46 59	44 N 15 35	1179	ND	V	70
28	CELEVAC	12C	43	015 E 46 59	44 N 15 35	1179	ND	V	70
29	DRENOVCI	8A	30	018 E 54 21	44 N 55 07	83	ND	V	62
30	DRENOVCI	8B	30	018 E 54 21	44 N 55 07	83	ND	V	62
31	DRENOVCI	8C	30	018 E 54 21	44 N 55 07	83	ND	V	62
32	DRENOVCI	8D	30	018 E 54 21	44 N 55 07	83	ND	V	62
33	DRENOVCI	10D	30	018 E 54 21	44 N 55 07	83	ND	V	62
34	DRENOVCI	11D	30	018 E 54 21	44 N 55 07	83	ND	V	62
35	DRENOVCI	12B	30	018 E 54 21	44 N 55 07	83	ND	V	62

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
36	IVANSCICA	9A	40	016 E 07 24	46 N 10 54	1050	ND	V	30
37	IVANSCICA	9B	40	016 E 07 24	46 N 10 54	1050	ND	V	30
38	IVANSCICA	9C	40	016 E 07 24	46 N 10 54	1050	ND	V	30
39	IVANSCICA	9D	40	016 E 07 24	46 N 10 54	1050	ND	V	30
40	IVANSCICA	10C	40	016 E 07 24	46 N 10 54	1050	ND	V	30
41	IVANSCICA	11C	40	016 E 07 24	46 N 10 54	1050	ND	V	30
42	IVANSCICA	12A	40	016 E 07 24	46 N 10 54	1050	ND	V	30
43	KALNIK	9A	40	016 E 27 09	46 N 07 56	598	ND	V	45
44	KALNIK	9B	40	016 E 27 09	46 N 07 56	598	ND	V	45
45	KALNIK	9C	40	016 E 27 09	46 N 07 56	598	ND	V	45
46	KALNIK	9D	40	016 E 27 09	46 N 07 56	598	ND	V	45
47	KALNIK	10C	40	016 E 27 09	46 N 07 56	598	ND	V	45
48	KALNIK	11C	40	016 E 27 09	46 N 07 56	598	ND	V	45
49	KALNIK	12A	40	016 E 27 09	46 N 07 56	598	ND	V	45
50	KOPRIVNICA	9A	37	016 E 44 00	46 N 10 38	287	ND	V	30
51	KOPRIVNICA	9B	37	016 E 44 00	46 N 10 38	287	ND	V	30
52	KOPRIVNICA	9C	37	016 E 44 00	46 N 10 38	287	ND	V	30
53	KOPRIVNICA	9D	37	016 E 44 00	46 N 10 38	287	ND	V	30
54	KOPRIVNICA	10C	37	016 E 44 00	46 N 10 38	287	ND	V	30
55	KOPRIVNICA	11C	37	016 E 44 00	46 N 10 38	287	ND	V	30
56	KOPRIVNICA	12A	37	016 E 44 00	46 N 10 38	287	ND	V	30
57	KRK KRAS	7A	37	014 E 36 21	45 N 06 42	324	ND	V	20
58	KRK KRAS	7B	37	014 E 36 21	45 N 06 42	324	ND	V	20
59	KRK KRAS	8A	37	014 E 36 21	45 N 06 42	324	ND	V	20
60	KRK KRAS	8B	37	014 E 36 21	45 N 06 42	324	ND	V	20
61	KRK KRAS	8C	37	014 E 36 21	45 N 06 42	324	ND	V	20
62	KRK KRAS	8D	37	014 E 36 21	45 N 06 42	324	ND	V	20
63	KRK KRAS	10A	37	014 E 36 21	45 N 06 42	324	ND	V	20
64	KRK KRAS	11D	37	014 E 36 21	45 N 06 42	324	ND	V	20
65	KRK KRAS	12D	37	014 E 36 21	45 N 06 42	324	ND	V	20
66	KUPJACKI VRH	7A	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
67	KUPJACKI VRH	7B	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
68	KUPJACKI VRH	8A	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
69	KUPJACKI VRH	8B	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
70	KUPJACKI VRH	8C	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
71	KUPJACKI VRH	8D	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
72	KUPJACKI VRH	10A	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
73	KUPJACKI VRH	11D	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
74	KUPJACKI VRH	12D	33	014 E 51 56	45 N 24 38	986	/330-30/ 23 dBW	V	22
75	LABINSTICA	7A	40	016 E 12 45	43 N 34 45	681	ND	V	50
76	LABINSTICA	7B	40	016 E 12 45	43 N 34 45	681	ND	V	50
77	LABINSTICA	7C	40	016 E 12 45	43 N 34 45	681	ND	V	50



No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
78	LABINSTICA	7D	40	016 E 12 45	43 N 34 45	681	ND	V	50
79	LABINSTICA	10A	40	016 E 12 45	43 N 34 45	681	ND	V	50
80	LABINSTICA	11D	40	016 E 12 45	43 N 34 45	681	ND	V	50
81	LABINSTICA	12B	40	016 E 12 45	43 N 34 45	681	ND	V	50
82	LASTOVO	7A	33	016 E 51 30	42 N 45 08	396	ND	V	15
83	LASTOVO	7B	33	016 E 51 30	42 N 45 08	396	ND	V	15
84	LASTOVO	7C	33	016 E 51 30	42 N 45 08	396	ND	V	15
85	LASTOVO	7D	33	016 E 51 30	42 N 45 08	396	ND	V	15
86	LASTOVO	10A	33	016 E 51 30	42 N 45 08	396	ND	V	15
87	LASTOVO	11D	33	016 E 51 30	42 N 45 08	396	ND	V	15
88	LASTOVO	12B	33	016 E 51 30	42 N 45 08	396	ND	V	15
89	MIRKOVICA	9A	40	015 E 01 42	45 N 18 16	1277	/200-300/ 35 dBW	V	50
90	MIRKOVICA	9B	40	015 E 01 42	45 N 18 16	1277	/200-300/ 35 dBW	V	50
91	MIRKOVICA	9C	40	015 E 01 42	45 N 18 16	1277	/200-300/ 35 dBW	V	50
92	MIRKOVICA	9D	40	015 E 01 42	45 N 18 16	1277	/200-300/ 35 dBW	V	50
93	MIRKOVICA	10C	40	015 E 01 42	45 N 18 16	1277	/200-300/ 35 dBW	V	50
94	MIRKOVICA	11C	40	015 E 01 42	45 N 18 16	1277	/200-300/ 35 dBW	V	50
95	MIRKOVICA	12A	40	015 E 01 42	45 N 18 16	1277	/200-300/ 35 dBW	V	50
96	MIRKOVICA	8A	40	015 E 01 42	45 N 18 16	1277	/0-140/ 30 dBW	V	50
97	MIRKOVICA	8B	40	015 E 01 42	45 N 18 16	1277	/0-140/ 30 dBW	V	50
98	MIRKOVICA	8C	40	015 E 01 42	45 N 18 16	1277	/0-140/ 30 dBW	V	50
99	MIRKOVICA	8D	40	015 E 01 42	45 N 18 16	1277	/0-140/ 30 dBW	V	50
100	MIRKOVICA	10A	40	015 E 01 42	45 N 18 16	1277	/340-140/ 30 dBW	V	50
101	MIRKOVICA	11D	40	015 E 01 42	45 N 18 16	1277	/0-140/ 30 dBW	V	50
102	MIRKOVICA	12D	40	015 E 01 42	45 N 18 16	1277	/340-140/ 30 dBW	V	50
103	MOSLAVACKA GORA	9A	40	016 E 45 07	45 N 36 54	478	ND	V	20
104	MOSLAVACKA GORA	9B	40	016 E 45 07	45 N 36 54	478	ND	V	20
105	MOSLAVACKA GORA	9C	40	016 E 45 07	45 N 36 54	478	ND	V	20
106	MOSLAVACKA GORA	9D	40	016 E 45 07	45 N 36 54	478	ND	V	20
107	MOSLAVACKA GORA	10C	40	016 E 45 07	45 N 36 54	478	ND	V	20
108	MOSLAVACKA GORA	11C	40	016 E 45 07	45 N 36 54	478	ND	V	20
109	MOSLAVACKA GORA	12A	40	016 E 45 07	45 N 36 54	478	ND	V	20
110	PAG	5A	33	015 E 04 14	44 N 26 58	251	ND	V	23
111	PAG	5B	33	015 E 04 14	44 N 26 58	251	ND	V	23
112	PAG	5C	33	015 E 04 14	44 N 26 58	251	ND	V	23
113	PAG	5D	33	015 E 04 14	44 N 26 58	251	ND	V	23
114	PAG	10D	33	015 E 04 14	44 N 26 58	251	ND	V	23
115	PAG	11A	33	015 E 04 14	44 N 26 58	251	ND	V	23
116	PAG	12C	33	015 E 04 14	44 N 26 58	251	ND	V	23



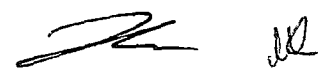
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117	PAPUK	8A	40	017 E 50 44	45 N 29 01	781	ND	V	60
118	PAPUK	8B	40	017 E 50 44	45 N 29 01	781	ND	V	60
119	PAPUK	8C	40	017 E 50 44	45 N 29 01	781	ND	V	60
120	PAPUK	8D	40	017 E 50 44	45 N 29 01	781	ND	V	60
121	PAPUK	10D	40	017 E 50 44	45 N 29 01	781	/10-30/ 37 dBW	V	60
122	PAPUK	11D	40	017 E 50 44	45 N 29 01	781	/10-30/ 37 dBW	V	60
123	PAPUK	12B	40	017 E 50 44	45 N 29 01	781	/10-30/ 37 dBW	V	60
124	PELJESAC	7A	34.8	017 E 21 35	42 N 57 48	691	ND	V	10
125	PELJESAC	7B	34.8	017 E 21 35	42 N 57 48	691	ND	V	10
126	PELJESAC	7C	34.8	017 E 21 35	42 N 57 48	691	ND	V	10
127	PELJESAC	7D	34.8	017 E 21 35	42 N 57 48	691	ND	V	10
128	PELJESAC	10A	34.8	017 E 21 35	42 N 57 48	691	ND	V	10
129	PELJESAC	11D	34.8	017 E 21 35	42 N 57 48	691	ND	V	10
130	PELJESAC	12B	34.8	017 E 21 35	42 N 57 48	691	ND	V	10
131	PETROVA GORA	9A	30	015 E 48 12	45 N 18 57	503	ND	V	30
132	PETROVA GORA	9B	30	015 E 48 12	45 N 18 57	503	ND	V	30
133	PETROVA GORA	9C	30	015 E 48 12	45 N 18 57	503	ND	V	30
134	PETROVA GORA	9D	30	015 E 48 12	45 N 18 57	503	ND	V	30
135	PETROVA GORA	10C	30	015 E 48 12	45 N 18 57	503	ND	V	30
136	PETROVA GORA	11C	30	015 E 48 12	45 N 18 57	503	ND	V	30
137	PETROVA GORA	12A	30	015 E 48 12	45 N 18 57	503	ND	V	30
138	PLJESIVICA H	5A	40	015 E 45 17	44 N 47 08	1545	/10-90/ 20 dBW	V	60
139	PLJESIVICA H	5B	40	015 E 45 17	44 N 47 08	1545	/10-90/ 20 dBW	V	60
140	PLJESIVICA H	5C	40	015 E 45 17	44 N 47 08	1545	/10-90/ 20 dBW	V	60
141	PLJESIVICA H	5D	40	015 E 45 17	44 N 47 08	1545	/10-90/ 20 dBW	V	60
142	PLJESIVICA H	10D	40	015 E 45 17	44 N 47 08	1545	/10-90/ 20 dBW	V	60
143	PLJESIVICA H	11A	40	015 E 45 17	44 N 47 08	1545	/10-90/ 20 dBW	V	60
144	PLJESIVICA H	12C	40	015 E 45 17	44 N 47 08	1545	/10-90/ 20 dBW	V	60
145	PROMINA	5A	40	016 E 10 02	43 N 55 31	1134	ND	V	25
146	PROMINA	5B	40	016 E 10 02	43 N 55 31	1134	ND	V	25
147	PROMINA	5C	40	016 E 10 02	43 N 55 31	1134	ND	V	25
148	PROMINA	5D	40	016 E 10 02	43 N 55 31	1134	ND	V	25
149	PROMINA	10D	40	016 E 10 02	43 N 55 31	1134	ND	V	25
150	PROMINA	11A	40	016 E 10 02	43 N 55 31	1134	ND	V	25
151	PROMINA	12C	40	016 E 10 02	43 N 55 31	1134	ND	V	25
152	PSUNJ	8A	40	017 E 19 57	45 N 23 10	985	ND	V	60
153	PSUNJ	8B	40	017 E 19 57	45 N 23 10	985	ND	V	60
154	PSUNJ	8C	40	017 E 19 57	45 N 23 10	985	ND	V	60
155	PSUNJ	8D	40	017 E 19 57	45 N 23 10	985	ND	V	60
156	PSUNJ	10D	40	017 E 19 57	45 N 23 10	985	/280-290/ 37 dBW	V	60
157	PSUNJ	11D	40	017 E 19 57	45 N 23 10	985	ND	V	60
158	PSUNJ	12B	40	017 E 19 57	45 N 23 10	985	/280-290/ 37 dBW	V	60

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
159	SIBENIK	5A	33	015 E 53 39	43 N 44 23	126	ND	V	21
160	SIBENIK	5B	33	015 E 53 39	43 N 44 23	126	ND	V	21
161	SIBENIK	5C	33	015 E 53 39	43 N 44 23	126	ND	V	21
162	SIBENIK	5D	33	015 E 53 39	43 N 44 23	126	ND	V	21
163	SIBENIK	10D	33	015 E 53 39	43 N 44 23	126	ND	V	21
164	SIBENIK	11A	33	015 E 53 39	43 N 44 23	126	ND	V	21
165	SIBENIK	12C	33	015 E 53 39	43 N 44 23	126	ND	V	21
166	SLAVONSKI BROD	8A	30	017 E 59 20	45 N 11 52	256	ND	V	80
167	SLAVONSKI BROD	8B	30	017 E 59 20	45 N 11 52	256	ND	V	80
168	SLAVONSKI BROD	8C	30	017 E 59 20	45 N 11 52	256	ND	V	80
169	SLAVONSKI BROD	8D	30	017 E 59 20	45 N 11 52	256	ND	V	80
170	SLAVONSKI BROD	10D	30	017 E 59 20	45 N 11 52	256	ND	V	80
171	SLAVONSKI BROD	11D	30	017 E 59 20	45 N 11 52	256	ND	V	80
172	SLAVONSKI BROD	12B	30	017 E 59 20	45 N 11 52	256	ND	V	80
173	SLJEME	9A	43	015 E 56 42	45 N 54 00	1029	ND	V	40
174	SLJEME	9B	43	015 E 56 42	45 N 54 00	1029	ND	V	40
175	SLJEME	9C	43	015 E 56 42	45 N 54 00	1029	ND	V	40
176	SLJEME	9D	43	015 E 56 42	45 N 54 00	1029	ND	V	40
177	SLJEME	10C	43	015 E 56 42	45 N 54 00	1029	ND	V	40
178	SLJEME	11C	43	015 E 56 42	45 N 54 00	1029	ND	V	40
179	SLJEME	12A	43	015 E 56 42	45 N 54 00	1029	ND	V	40
180	SRDJ	5A	40	018 E 06 28	42 N 39 01	396	/340-50/ 30 dBW	V	50
181	SRDJ	5B	40	018 E 06 28	42 N 39 01	396	/340-50/ 30 dBW	V	50
182	SRDJ	5C	40	018 E 06 28	42 N 39 01	396	/340-50/ 30 dBW	V	50
183	SRDJ	5D	40	018 E 06 28	42 N 39 01	396	/340-50/ 30 dBW	V	50
184	SRDJ	10A	40	018 E 06 28	42 N 39 01	396	/340-50/ 30 dBW	V	50
185	SRDJ	11A	40	018 E 06 28	42 N 39 01	396	/340-50/ 30 dBW	V	50
186	SRDJ	10D	40	018 E 06 28	42 N 39 01	396	/340-50/ 30 dBW	V	50
187	STIPANOV GRIC	5A	40	015 E 26 29	44 N 46 35	1226	/340-350/ 37 dBW	V	24
188	STIPANOV GRIC	5B	40	015 E 26 29	44 N 46 35	1226	/340-350/ 37 dBW	V	24
189	STIPANOV GRIC	5C	40	015 E 26 29	44 N 46 35	1226	/340-350/ 37 dBW	V	24
190	STIPANOV GRIC	5D	40	015 E 26 29	44 N 46 35	1226	/340-350/ 37 dBW	V	24
191	STIPANOV GRIC	10D	40	015 E 26 29	44 N 46 35	1226	/340-350/ 37 dBW	V	24
192	STIPANOV GRIC	11A	40	015 E 26 29	44 N 46 35	1226	/340-350/ 37 dBW	V	24
193	STIPANOV GRIC	12C	40	015 E 26 29	44 N 46 35	1226	/340-350/ 37 dBW	V	24
194	SV.ILIJA	5A	33	018 E 22 57	42 N 29 58	544	ND	V	40
195	SV.ILIJA	5B	33	018 E 22 57	42 N 29 58	544	ND	V	40
196	SV.ILIJA	5C	33	018 E 22 57	42 N 29 58	544	ND	V	40
197	SV.ILIJA	5D	33	018 E 22 57	42 N 29 58	544	ND	V	40
198	SV.ILIJA	10A	33	018 E 22 57	42 N 29 58	544	ND	V	40
199	SV.ILIJA	11A	33	018 E 22 57	42 N 29 58	544	ND	V	40
200	SV.ILIJA	10D	33	018 E 22 57	42 N 29 58	544	ND	V	40

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
201	SVETA NEDELJA	7A	33	015 E 46 03	45 N 47 18	300	/190-350/ 13 dBW	V	20
202	TUSTI VRH	7A	37	015 E 57 48	45 N 52 41	650	/310-10/ 25 dBW	V	20
203	UCKA	7A	43	014 E 11 59	45 N 17 11	1374	ND	V	40
204	UCKA	7B	43	014 E 11 59	45 N 17 11	1374	ND	V	40
205	UCKA	8A	43	014 E 11 59	45 N 17 11	1374	ND	V	40
206	UCKA	8B	43	014 E 11 59	45 N 17 11	1374	ND	V	40
207	UCKA	8C	43	014 E 11 59	45 N 17 11	1374	ND	V	40
208	UCKA	8D	43	014 E 11 59	45 N 17 11	1374	ND	V	40
209	UCKA	10A	43	014 E 11 59	45 N 17 11	1374	ND	V	40
210	UCKA	11D	43	014 E 11 59	45 N 17 11	1374	ND	V	40
211	UCKA	12D	43	014 E 11 59	45 N 17 11	1374	ND	V	40
212	UGLJAN	5A	40	015 E 09 47	44 N 04 07	220	ND	V	60
213	UGLJAN	5B	40	015 E 09 47	44 N 04 07	220	ND	V	60
214	UGLJAN	5C	40	015 E 09 47	44 N 04 07	220	ND	V	60
215	UGLJAN	5D	40	015 E 09 47	44 N 04 07	220	ND	V	60
216	UGLJAN	10D	40	015 E 09 47	44 N 04 07	220	ND	V	60
217	UGLJAN	11A	40	015 E 09 47	44 N 04 07	220	ND	V	60
218	UGLJAN	12C	40	015 E 09 47	44 N 04 07	220	ND	V	60
219	ULIJENJE	7A	33	017 E 28 33	42 N 53 40	401	ND	V	15
220	ULIJENJE	7B	33	017 E 28 33	42 N 53 40	401	ND	V	15
221	ULIJENJE	7C	33	017 E 28 33	42 N 53 40	401	ND	V	15
222	ULIJENJE	7D	33	017 E 28 33	42 N 53 40	401	ND	V	15
223	ULIJENJE	10A	33	017 E 28 33	42 N 53 40	401	ND	V	15
224	ULIJENJE	11D	33	017 E 28 33	42 N 53 40	401	ND	V	15
225	ULIJENJE	12B	33	017 E 28 33	42 N 53 40	401	ND	V	15
226	ULIJENJE	5A	33	017 E 28 33	42 N 53 40	401	ND	V	15
227	ULIJENJE	5B	33	017 E 28 33	42 N 53 40	401	ND	V	15
228	ULIJENJE	5C	33	017 E 28 33	42 N 53 40	401	ND	V	15
229	ULIJENJE	5D	33	017 E 28 33	42 N 53 40	401	ND	V	15
230	ULIJENJE	11A	33	017 E 28 33	42 N 53 40	401	ND	V	15
231	ULIJENJE	10D	33	017 E 28 33	42 N 53 40	401	ND	V	15
232	VELEB.PLJESIVICA	7A	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
233	VELEB.PLJESIVICA	7B	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
234	VELEB.PLJESIVICA	8A	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
235	VELEB.PLJESIVICA	8B	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
236	VELEB.PLJESIVICA	8C	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
237	VELEB.PLJESIVICA	8D	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
238	VELEB.PLJESIVICA	10A	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
239	VELEB.PLJESIVICA	11D	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
240	VELEB.PLJESIVICA	12D	40	014 E 59 50	44 N 49 40	1651	/30-170/ 23 dBW	V	20
241	VIDOVA GORA	7A	40	016 E 37 01	43 N 16 50	773	ND	V	20
242	VIDOVA GORA	7B	40	016 E 37 01	43 N 16 50	773	ND	V	20



No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
243	VIDOVA GORA	7C	40	016 E 37 01	43 N 16 50	773	ND	V	20
244	VIDOVA GORA	7D	40	016 E 37 01	43 N 16 50	773	ND	V	20
245	VIDOVA GORA	10A	40	016 E 37 01	43 N 16 50	773	ND	V	20
246	VIDOVA GORA	11D	40	016 E 37 01	43 N 16 50	773	ND	V	20
247	VIDOVA GORA	12B	40	016 E 37 01	43 N 16 50	773	ND	V	20
248	VIROVITICA	8A	37	017 E 23 08	45 N 47 17	236	ND	V	20
249	VIROVITICA	8B	37	017 E 23 08	45 N 47 17	236	ND	V	20
250	VIROVITICA	8C	37	017 E 23 08	45 N 47 17	236	ND	V	20
251	VIROVITICA	8D	37	017 E 23 08	45 N 47 17	236	ND	V	20
252	VIROVITICA	10D	37	017 E 23 08	45 N 47 17	236	ND	V	20
253	VIROVITICA	11D	37	017 E 23 08	45 N 47 17	236	ND	V	20
254	VIROVITICA	12B	37	017 E 23 08	45 N 47 17	236	ND	V	20
255	VIS	7A	33	016 E 06 48	43 N 02 24	553	ND	V	15
256	VIS	7B	33	016 E 06 48	43 N 02 24	553	ND	V	15
257	VIS	7C	33	016 E 06 48	43 N 02 24	553	ND	V	15
258	VIS	7D	33	016 E 06 48	43 N 02 24	553	ND	V	15
259	VIS	10A	33	016 E 06 48	43 N 02 24	553	ND	V	15
260	VIS	11D	33	016 E 06 48	43 N 02 24	553	ND	V	15
261	VIS	12B	33	016 E 06 48	43 N 02 24	553	ND	V	15



Annex 4

Assignments of Administration of Serbia agreed by Administration of Croatia

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/ 27dBW	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
31	VRSAC	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



No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
33	CER	11A	33	19 E 29 40	44 N 36 11	674	/200-340/ 30 dBW	V	50
34	GUCEVO	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	OVCAR	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	BITOVIK	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 ZABUCJE	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	GOLIJA	11C	30	20 E 20 02	43 N 16 28	1646	ND	V	40
54	KOPAONIK PANCIC	11C	30	20 E 49 16	43 N 16 09	1955	/270-90/ 17dBW	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 ILIJA	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	SLJIVOVICKI 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
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

No.	Name of station	Block	ERP [dBW]	LON	LAT	Altitude of site above sea level	Antenna directivity	Polarization	Height of antenna above ground level
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	BITOVIK	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

