



Bosnia and Herzegovina
Communications Regulatory Agency
Regulatorna agencija za komunikacije
Regulatorna agencija za komunikacije



Republic of Croatia
Ministry of Maritime Affairs, Transport
and Communications

Agreement

between Bosnia and Herzegovina and the Republic of Croatia, and concerning the allotment of preferential frequencies in the 890-915 / 935-960 MHz frequency band

Communication Regulatory Agency CRA - on behalf of the Administration of the Bosnia and Herzegovina, Ministry of Maritime Affairs, Transport and Communications - on behalf of the Croatian Administration, have agreed to distributing the GSM frequency band into preferential blocks.

1. Principles

- a) Interference restricts the utilisation of preferential frequencies in the area where two or three countries are in close proximity resulting in a less efficient spectrum use.
- b) Splitting the GSM band into small parts and attributing non-contiguous blocks of channels to countries/operators may be advantageous from the interference point of view but contiguous blocks allow greater flexibility of use.

2. Allotment plan of the Preferential Frequency Blocks in the border area of Bosnia and Herzegovina (BIH), the Republic of Croatia (HRV)

The Parties have agreed to make allotment of the preferential frequency blocks for the GSM channels 1 to 90 and 92 to 122 (inclusive). The channel 91 and channels 123 to 124 remain as non-preferential.

- 2.1 In the bilateral border areas the Parties shall be allotted the following preferential frequency blocks:

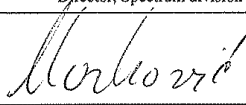
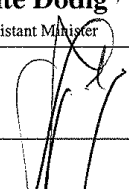
Distribution of preferential channels per country	
BIH	HRV
22-60, 101-122 (61)	1-21, 61-90, 92-100 (60)

- 2.2 The list of allotted GSM channels and the respective frequencies are included in the table of frequency in the **Annex 1** to the Agreement.

3. Technical conditions and administrative procedure

- 3.1 Regarding the technical conditions, the preferential and non-preferential frequencies shall be used in the border areas as follows:
- a) Preferential frequencies of a transmitter can be assigned without prior co-ordination if the produced interfering field strength does not exceed 19 dB μ V/m at a height of 3 m above ground at a distance of 15 km (10% of the time, 50% of the locations) inside the neighbouring country.
 - b) Non-preferential frequencies can be assigned to a transmitter without prior co-ordination provided that the interference field strength does not exceed 19 dB μ V/m (10 % of time, 50 % of locations) at a height of 3 m above ground at the borderline.
- 3.2 The procedure of co-ordination for non-preferential frequencies shall be performed in accordance with the bilateral co-ordination agreements in force, and with the: CEPT Recommendation T/R 20-08,
- 3.3 The co-ordination request can be rejected with reference to the preferential rights.
- 3.4 The Parties, signatories to the Agreement, will exchange the lists of the GSM base stations installed in the coordination area on the explicit request of a signatory Party of this Agreement. The list referred to above will contain at least the location (code name and geographical coordinates) and the corresponding channels.
- 3.5 The provisions in the Agreement in respect of the concerned band, including new assignments, shall be applied from the date of effectiveness of the referred Agreement.
- 3.6 The Parties agreed that
- a) all the arrangements required for existing stations to fully comply with the provisions in the Agreement shall be performed by not later than 01.10.2002.
 - b) during the transition period, until the above deadline, the operators providing GSM services in the countries of the Parties should notify and coordinate their activities when making the changes in their respective networks to avoid mutual interference, and inform the competent authority in their respective country accordingly.

This Agreement will enter into force on the last date of sign.

on behalf of Communication Regulatory Agency CRA	on behalf of Ministry of Maritime Affairs, Transport and Communications
Čedomir Marković Director, Spectrum division	Ante Dodig Assistant Minister
	
SARAJEVO, 24.May.2002.	

Annex 1: Table of frequency

ch	rx	tx	ch	rx	tx	ch	rx	tx	ch	rx	tx
1	890,200	935,200	32	896,400	941,400	63	902,600	947,600	94	908,800	953,800
2	890,400	935,400	33	896,600	941,600	64	902,800	947,800	95	909,000	954,000
3	890,600	935,600	34	896,800	941,800	65	903,000	948,000	96	909,200	954,200
4	890,800	935,800	35	897,000	942,000	66	903,200	948,200	97	909,400	954,400
5	891,000	936,000	36	897,200	942,200	67	903,400	948,400	98	909,600	954,600
6	891,200	936,200	37	897,400	942,400	68	903,600	948,600	99	909,800	954,800
7	891,400	936,400	38	897,600	942,600	69	903,800	948,800	100	910,000	955,000
8	891,600	936,600	39	897,800	942,800	70	904,000	949,000	101	910,200	955,200
9	891,800	936,800	40	898,000	943,000	71	904,200	949,200	102	910,400	955,400
10	892,000	937,000	41	898,200	943,200	72	904,400	949,400	103	910,600	955,600
11	892,200	937,200	42	898,400	943,400	73	904,600	949,600	104	910,800	955,800
12	892,400	937,400	43	898,600	943,600	74	904,800	949,800	105	911,000	956,000
13	892,600	937,600	44	898,800	943,800	75	905,000	950,000	106	911,200	956,200
14	892,800	937,800	45	899,000	944,000	76	905,200	950,200	107	911,400	956,400
15	893,000	938,000	46	899,200	944,200	77	905,400	950,400	108	911,600	956,600
16	893,200	938,200	47	899,400	944,400	78	905,600	950,600	109	911,800	956,800
17	893,400	938,400	48	899,600	944,600	79	905,800	950,800	110	912,000	957,000
18	893,600	938,600	49	899,800	944,800	80	906,000	951,000	111	912,200	957,200
19	893,800	938,800	50	900,000	945,000	81	906,200	951,200	112	912,400	957,400
20	894,000	939,000	51	900,200	945,200	82	906,400	951,400	113	912,600	957,600
21	894,200	939,200	52	900,400	945,400	83	906,600	951,600	114	912,800	957,800
22	894,400	939,400	53	900,600	945,600	84	906,800	951,800	115	913,000	958,000
23	894,600	939,600	54	900,800	945,800	85	907,000	952,000	116	913,200	958,200
24	894,800	939,800	55	901,000	946,000	86	907,200	952,200	117	913,400	958,400
25	895,000	940,000	56	901,200	946,200	87	907,400	952,400	118	913,600	958,600
26	895,200	940,200	57	901,400	946,400	88	907,600	952,600	119	913,800	958,800
27	895,400	940,400	58	901,600	946,600	89	907,800	952,800	120	914,000	959,000
28	895,600	940,600	59	901,800	946,800	90	908,000	953,000	121	914,200	959,200
29	895,800	940,800	60	902,000	947,000	91	908,200	953,200	122	914,400	959,400
30	896,000	941,000	61	902,200	947,200	92	908,400	953,400			
31	896,200	941,200	62	902,400	947,400	93	908,600	953,600			