

Pursuant to Article 29, paragraph 1, item 2 and Article 31 of the Electronic Communications Law (*“Official Gazette of the Republic of Serbia”*, no.44/10) and Article 12, paragraph 1, item 1) and Article 16, paragraph 1, item 4 of the Statute of the Republic Agency for Electronic Communications (*“Official Gazette of the Republic of Serbia”*, no. 59/10),

the Managing Board of the Republic Agency for Electronic Communications in its session held on 16 November 2010, adopted the

RULEBOOK

ON RADIO-FREQUENCY USAGE FEES

1. Contents

Article 1

This Rulebook defines the amount of radio-frequency usage fee for radio station in broadcasting service, for radio station in mobile and fixed service, for radio station in public mobile service, for radio station in satellite service and other radio stations.

2. RADIO-FREQUENCY USAGE FEES FOR RADIO STATION IN BROADCASTING SERVICE

Article 2

The annual radio-frequency usage fee for broadcasting station shall be determined according to the following formula:

$$N = O \times A \times V \times G$$

where:

N – amount of the annual fee;

O – fee calculation base – 8.00 (eight) dinars;

A – number of inhabitants in the service area;

V – type of signal:

a) for audio signal – coefficient 0.01;

- b) for video signal – coefficient 0.1;
- c) for digital audio signal (multiplex) per frequency block - coefficient 0.025;
- d) for digital video signal (multiplex) - coefficient 0.7

G – mode of radio-frequency use:

- a) if the radio-frequency is used by a local broadcasting station – coefficient 1;
- b) if the radio-frequency is used in a radio network - coefficient 1.5;
- c) for every second and any further radio-frequency on which different programmes are broadcast– coefficient 1.5;
- d) for shared use of one radio-frequency – coefficient 1.5 is multiplied by (%) of time of radio-frequency use.

3. RADIO-FREQUENCY USAGE FEES FOR RADIO STATION IN MOBILE AND FIXED SERVICE

Article 3

The annual radio-frequency usage fee for the use of one radio-frequency for radio station in simplex, semi-duplex and duplex radio network, shall be determined according to the following formula:

$$N = O \times K_n \times K_s$$

where:

N – amount of the annual fee;

O – fee calculation base – 20,000.00 (twenty thousand) dinars;

K_n – radio network:

- a) simplex – coefficient 0.5;
- b) semi-duplex and duplex – coefficient 1;

K_s – number of radio stations in the radio network:

- a) up to 100 – coefficient 1;
- b) up to 200 – coefficient 2;
- c) up to 400 – coefficient 3;
- d) over 400 – coefficient 5.

Article 4

The annual fee for the use of one radio-frequency for a microwave station is determined according to the following formula:

$$N = O \times K_s \times K_f$$

where:

N – amount of the annual fee;

O – fee calculation base 16,000.00 (sixteen thousand) dinars;

K_s – purpose of the radio network in which a radio station is used, determined by the respective channel (B) width as follows:

- a) $B \leq 180 \text{ kHz}$ – coefficient 0.1;
- b) $180 \text{ kHz} < B \leq 700 \text{ kHz}$ – coefficient 0.2;
- c) $700 \text{ kHz} < B \leq 1.75 \text{ MHz}$ – coefficient 0.3;
- d) $1.75 \text{ MHz} < B \leq 3.5 \text{ MHz}$ – coefficient 0.4;
- e) $3.5 \text{ MHz} < B \leq 7 \text{ MHz}$ – coefficient 1;
- f) $7 \text{ MHz} < B \leq 14 \text{ MHz}$ – coefficient 2;
- g) $14 \text{ MHz} < B \leq 28 \text{ MHz}$ – coefficient 3;
- h) $28 \text{ MHz} < B \leq 40 \text{ MHz}$ – coefficient 4;
- i) $B > 40 \text{ MHz}$ – coefficient 5.

K_f – purpose of the radio network in which the radio station is used, determined by the frequency band as follows:

- a) $f \leq 10 \text{ GHz}$ – coefficient 1;
- b) $10 \text{ GHz} < f \leq 20 \text{ GHz}$ – coefficient 0.8;
- c) $20 \text{ GHz} < f \leq 30 \text{ GHz}$ – coefficient 0.6;
- d) $f > 30 \text{ GHz}$ – coefficient 0.5.

where f stands for radio-frequency realized in GHz.

Notwithstanding the provision of paragraph 1 herein, a fee for the use of radio-frequency shall not be paid for microwave stations used for the provision of universal service within the territory designated for universal service.

4. RADIO-FREQUENCY USAGE FEES FOR RADIO STATION IN PUBLIC COMMUNICATIONS NETWORK

Article 5

Within the broadband communications network, the annual fee for the use of radio-frequencies for one base station in duplex network shall be determined per each assigned channel according to the following formula:

$$N = O \times K_c \times K_p$$

where:

N – amount of the annual fee;
 O – fee calculation base – 100,000.00 (one hundred thousand) dinars;
 K_c – purpose of the radio network in which the radio station is used, determined by the respective channel width as follows:

- a) for channel width 200 kHz – coefficient 1;
- b) for channel width 1.25 MHz – coefficient 7.

K_p – number of subscribers (users) within the service area (market competition) **p**:

- a) $p \leq 500$ subscribers – coefficient 0.5;
- b) $500 < p \leq 1,000$ subscribers – coefficient 1;
- c) $1,000 < p \leq 5,000$ subscribers – coefficient 1.5;
- d) $5,000 < p \leq 10,000$ subscribers – coefficient 2;
- e) $p > 10,000$ subscribers – coefficient 2.5.

Article 6

Within public mobile communications network, the annual fee for the use of one radio-frequency for a base station in duplex network shall be determined per each assigned channel (GSM-900, DCS-1800 and UMTS/IMT-2000) according to the following formula:

$$N = O \times K_c \times K_p$$

where:

N – amount of the annual fee;
 O – fee calculation base – 90,000.00 (ninety thousand) dinars;
 K_c – purpose of the radio network in which the radio station is used, determined by channel width as follows:

- a) for channel width 200 kHz (GSM-900) – coefficient 2;
- b) for channel width 200 kHz (DCS-1800) – coefficient 1;
- c) for channel width 5 MHz (UMTS/IMT-2000) – coefficient 25;

K_p – market competition depends on the total number of subscribers (users) within GSM-900, DCS-1800 and UMTS/IMT-2000 networks, **p**:

- a) $p \leq 500$ subscribers – coefficient 0.25;
- b) $p \leq 1,000,000$ subscribers – coefficient 0.5;
- c) $1,000,000 < p \leq 1,500,000$ subscribers – coefficient 1;
- d) $1,500,000 < p \leq 2,000,000$ subscribers – coefficient 1.5;
- e) $2,000,000 < p \leq 3,000,000$ subscribers – coefficient 2;
- f) $p > 3,000,000$ subscribers – coefficient 2.5.

5. RADIO-FREQUENCY USAGE FEE FOR SATELLITE RADIO STATION

Article 7

The annual radio-frequency usage fee for radio station in satellite service shall be determined according to the following formula:

$$N = O \times K_k$$

where:

N – amount of the annual fee;

O – fee calculation base –100,000.00 (one hundred thousand) dinars;

K_k – class of the radio station:

- a) earth station – coefficient 1;
- b) central (VSAT-HUB) earth station within a communications network – coefficient 0.9;
- c) VSAT earth station with VSAT-HUB outside the territory of the Republic of Serbia – coefficient 0.7;
- d) transportable earth station (VSAT/SNG and other) – coefficient 0.35;
- e) VSAT earth station within a communications network – coefficient 0.15;
- f) VSAT earth station receiver designed for further signal broadcasting within a cable distribution network, broadcasting network and other communications networks – coefficient 0.1.

6. RADIO-FREQUENCY USAGE FEE FOR OTHER RADIO STATIONS

Article 8

The annual radio-frequency usage fee for radio station on board of aircrafts, ships, other vessels and locomotives shall be the following:

- a) radio stations on board of aircrafts, ships and other vessels operating only in VHF band –2,000.00 (two thousand) dinars;
- b) radio stations on board of aircrafts, ships and other vessels operating in SHF, UHF, VHF, HF and MF bands – 10,000.00 (ten thousand) dinars;
- c) radio stations on board of locomotives – 4,000.00 (four thousand) dinars.

Article 9

The annual radio-frequency usage fee for radio station on land intended for the safety of aerial navigation, safety of inland waterway navigation, radio navigation, radio determination, radio location, meteorological and hydrological observation and research and scientific or other purposes, shall amount to 20,000.00 (twenty thousand) dinars per each radio station.

The annual radio-frequency usage fee for the radio station referred to in paragraph 1 of this Article which uses radio-frequencies within the assigned frequency band, shall amount to 30,000.00 (thirty thousand) dinars per each radio station.

The annual radio-frequency usage fee for radio stations used by the ambulance, healthcare institutions, the Red Cross of Serbia, the fire brigade, anti-hail protection services, mountain rescue services and other services which fall within national emergencies shall be determined by the Agency in close cooperation with the aforementioned authorities and shall be made public in the form of a an individual by-law.

Article 10

The annual fee per each base station in radio network for wireless access, shall be determined per each assigned channel according to the following formula:

$$N = O \times K_c$$

where:

N – amount of the annual fee;

O – fee calculation base – 15,000.00 (fifteen thousand) dinars;

K_c – purpose of the radio network in which the radio station is used, determined by the respective channel width, as follows:

- a) for channel width ≤ 3.5 MHz in bands 3.4-3.6 GHz and 3.6-3.8 GHz – coefficient 1.5;
- b) for channel width 14 MHz in bands 24.5-26.5GHz and 27.5-29.5GHz – coefficient 1.5;
- c) for channel width 28 MHz in bands 24.5-26.5GHz and 27.5-29.5 GHz – coefficient 3.

Article 11

The amount of the fee for the temporary use of a radio-frequency shall amount to 20% of the annual radio-frequency usage fee set out herein.

7. TRANSITORY AND FINAL PROVISIONS

Article 12

The day this Rulebook comes into force the Rulebook on radio-frequency usage fees (*“Official Gazette of the Republic of Serbia”*, no. 04/10) shall cease to be valid.

Article 13

Following the approval obtained from the Government, this Rulebook shall be published in the “Official Gazette of the Republic of Serbia” and shall come into force on the eighth day following the day of the publication, and it shall be applied as of 1 January 2011.

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Belgrade, 16 November 2010

**Chairman of the
Managing Board**

Prof. Dr Jovan Radunović