CONSOLIDATED VERSION

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➢ **RULEBOOK on Radio-Frequency Usage Fees (Official Gazette of RS no. 93/10)**

Amended by:

➢ **RULEBOOK amending the Rulebook on Radio-Frequency Usage Fees (Official Gazette of RS no. 15/15**)

Pursuant to Article 8, paragraph 1, item 1), Article 23 and Article 29, paragraph 2 and Article 31 of the Law on Electronic Communications (*Official Gazette of the Republic of Serbia*, nos. 44/10, 60/13 – CC Dec. and 62/14) and Article 12, paragraph 1, item 1) and Article 16, paragraph 1, item 4 of the Statutes of the Regulatory Agency for Electronic Communications and Postal Services (*Official Gazette of the Republic of Serbia*, no. 125/14),

the Managing Board of the Regulatory Agency for Electronic Communications and Postal Services adopted the following

RULEBOOK

ON RADIO-FREQUENCY USAGE FEES

(Official Gazette of RS, nos. 93/10 and 15/15)

- Consolidated version -

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 service shall be determined based on the given criteria and according to the following formulas:

A) Analogue broadcasting service

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

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;

G – mode of radio-frequency use:

a) if the radio-frequency is used in a radio network - coefficient 1.5, otherwise - coefficient 1;
b) for shared use of one radio-frequency – coefficient 1.5 is multiplied by the percentage (%) of time of radio-frequency usage.

D – number of programmes

a) for one programme, coefficient 1;
b) for a second and any other radio-frequency on which different programmes are broadcast– coefficient 1.5;

B) Digital broadcasting service

- Digital television (DVB-T2)

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

where

N – amount of the annual fee for radio frequency usage;
O – base, O = 20.00 (twenty) dinars;
A – number of inhabitants in the relevant area calculated based on effective coverage percentage of the population by the digital television signal (Republic of Serbia, or one or more distribution areas);
V – signal coefficient, V = 0.1

- Digital radio (T-DAB)

$$N = O \times A \times S$$

where

N – amount of the annual fee for radio frequency usage;
O – base, O = 20.00 (twenty) dinars;
A – number of inhabitants in the relevant area calculated based on effective coverage percentage of the population by the digital radio signal (Republic of Serbia, or one or more distribution areas);
S – signal coefficient, S = 0.25

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) $B \leq 180$ kHz – coefficient 0.1;
b) 180 kHz $< B \leq 700$ kHz – coefficient 0.2;
c) 700 kHz $< B$ 1.75 MHz – coefficient 0.3;
d) 1.75 MHz $< B \leq 3.5$ MHz – coefficient 0.4;

e) 3.5 MHz $< B \leq$ 7 MHz – coefficient 1;
f) 7 MHz $< B \leq$ 14 MHz – coefficient 2;
g) 14 MHz $< B \leq$ 28 MHz – coefficient 3;
h) 28 MHz $< B \leq$ 40 MHz – coefficient 4;
i) B $>$40 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) $f \leq 10$ GHz – coefficient 1;
b) 10 GHz $< f \leq 20$ GHz – coefficient 0.8;
c) 20 GHz $< f \leq 30$ GHz – coefficient 0.6;
d) $f >30$ 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 x K_c x 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 кHz – 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

The annual fee for the radio-frequency usage in the dual mode public mobile communication network shall be determined per frequency band according to the following formula:

$N = \sum N_i,\ i = 1\ to\ 4$;

N – total amount of the annual fee;

i =1 for the frequency band 800 MHz;
i =2 for the frequency band 900 MHz ;
i= 3 for the frequency band 1800 MHz ;
i =4 for the frequency band 2100 MHz ;

where N_i – total amount of the annual fee per frequency band:
$N_i = O\ x\ Ko_i\ x\ K\kappa_i\ x\ Km$

O – base for fee calculation – 95,000.00 (ninety five thousand) dinars;

Ko_i – coefficient determined by the frequency band of the radio network:

i =1, coefficient 2;
i =2, coefficient 2;
i= 3, coefficient 1;
i =4, coefficient 1;

$K\kappa_i$ – coefficient indicating the number of 200 kHz wide base channels in the assigned frequency band i (i = 1.4), calculated according to the following formula:

$K\kappa_i = B/200$, where B is assigned frequency band in kHz (Downlink-DL) ;

Kт – coefficient determined by market competition – depends on the total number of subscribers (p) in all assigned frequency bands at 800 MHz, 900 MHz, 1800 MHz and 2100 MHz according to the following principle:

a) p ≤ 500.000 subscribers – coefficient 0.25;
b) p ≤ 1.000.000 subscribers – coefficient 0,5;
c) 1.000.000 < p ≤ 1.500.000 subscribers – coefficient 1;
d) 1.500.000 < p ≤ 2.000.000 subscribers – coefficient 1.5;
e) 2.000.000< p ≤ 2.5000.000 subscribers - coefficient 1.75.
f) 2.500.000 < p ≤ 3.000.000 subscribers – coefficient 2;
g) 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:

$$N = O \times K_\kappa$$

where:

N – amount of the annual fee;
O – fee calculation base –100,000.00 (one hundred thousand) dinars;
K_κ – 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 $\leq$ 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.