Regulatory Aspects of Spectrum Protection in Russian Federation

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The major laws and legal acts in the area of regulating of use and protection of the radio-wave frequency spectrum

The federal Law «Of communication»
This law was passed in 18.06.2003

Lays down the rules in the area of regulating the use and protection of the radio-wave frequency spectrum.
Lays down the rules in the area of access to the radio-wave frequency spectrum.
Determines the function of government organizations and services in the area of regulating the use and protection of the radio-wave frequency spectrum.

The table of distribution of bands of radio-frequencies among the Federal services in Russian Federation

Specifies the distribution of bands of radio-frequencies among the Federal services in Russian Federation.
Specifies the conditions of use of radio frequency bands for radio equipment and users of this radio equipment for ordering, development and transporting them into Russia, planning of use and using of radio-electronic equipment.

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Legal and regulatory acts in the area of protection of the radio-wave spectrum

The order of registration radio-electronic equipment and high-frequency electronic devices

Determines the appropriate organization and the order of registration of the radio-electronic equipment in Russian Federation.

Corrections of act passed by the Federal Government от 19.03.2013 № 237

The rules of control of radio use in Russian Federation

Determines the appropriate organization, the way and the order of enforcement of control of radio use in Russian Federation.

Act passed by the Federal Government 13.10.2008 № 761
Legal and regulatory acts in the area of protecting the radiofrequency spectrum from interference

Regulates the order of acceptance and review of requests for finding interference created by technical means of communication – sources of industrial interference and radio-electronic equipment

Determines the rules and order of search and locating the interference of radio signal on the territory of Russian Federation

The instruction of order of acceptance and review of requests for finding interference

The order of ministry of Communication of 20.11.1998 № 203

The instruction for search and locating the interference of radio signals

The order of control of communication of Russian Federation от 02.02.2010 № 78
The legal act of protection of receiving of industrial interference

Passed by the Federal Government on 13.10.2008 № 761

**Lays down** the order of protection of radio reception of industrial interference for individuals and organizations, developing, production, import, purchasing, selling and using of this equipment on the territory of Russian Federation.
Organizations and services of national regulation in the area of use of the radiofrequency spectrum

The Administration of communication of Russian Federation

The government committee on radio frequencies

The federal service of control in the area of communication technologies or mass communication

The radio frequency service

The main radio-frequency center

The regional radio-frequency centers
The protection of radio frequency spectrum of the radio-navigation satellite radio service

The National table of distribution of bands of radiofrequency
In the band from 1160 MHz to 1620 MHz:

- The bands of frequency radio-navigation satellite radio service
  - These frequency bands are for government use and common use by means of communication for government and civilian purposes.
  - The bands are protected from the interference of signal of satellite communication
The use of radio band frequency spectrum of equipment of consumer

The federal Law «Of communication»
Passed by the Federal Government 18.06.2003

Article 22, p.5.
Radio-electronic equipment of personal radio-navigation don’t have to be registered.

A simplified order of use is applied to consumer equipment
The use of radio frequency spectrum in the band of waves of satellite navigation by the equipment of other radio services

According to the data from the Federal Database:
The permission to use of frequency of satellite navigation has never been issued to other organizations.

According to the data from the Federal Database:
Registration of equipment in the bands of frequencies of satellite communication service of civilian equipment of equipment of other organizations has never been done.

The order of conducting a study, making a decision and issuing a license for use of radio frequency
Passed by the Government Committee on radio frequencies 20.12.2011, № 11-13-02

The order of registration of radio-electronic equipment and high-frequency devices
Corrected by the Federal Government 19.03.2013 № 237
The use of radio frequency spectrum in the band of waves of satellite navigation by the equipment of other radio services

Requirements of necessary documents

Data from the Federal Database:
Decisions of government committee on radio frequencies.
Information about permissions for radio frequency use
Information about radio equipment

Determine:
The use in Russian Federation in the radio-frequency bands of radio-navigation service of radio-electronic equipment for civilian purposes of other services and generator of noise (the sources of deliberate interference, «jammers») – illegally.

The illegal equipment is meant to be found and its use will be stopped according to the appropriate order of action.
The current system of radio-control and interference of broadcast

The current automated system of radio-control in Russian Federation:

In the bands of radio-frequency of satellite radio-navigation service:

- Stationary complexes of radio monitoring - 401
- Mobile complexes of radio monitoring - 231
- Independent means of radio monitoring – more than 1500
Issues of finding and liquidating the interference of receiving of radio signals of satellite radio-navigation service

- Navigation equipment of consumers in Russian Federation functions in the simplified manner of use, without special permissions of radio frequency use.

- In the band of satellite communication services, there are cases of illegal use of equipment, generators of noise and sources of deliberate interference “jammers”.

- The request to search and liquidation of interference are processed by the Russian Federal radio-frequency service from individuals registered in special order and making the payment for the use of radio frequencies.
Issues of finding and liquidating the interference of receiving of radio signals of satellite radio-navigation service

- Additionally the request to search and liquidation of interference are processed by the Russian Federal radio-frequency service in the cases of interference of reception of the television and radio signals. A similar procedure should be provided for cases of interference for receiving satellite radio-navigation signals.

- Special solutions are required on the international level and appropriate legislature on the national level for additional protection of the radio-wave frequency spectrum from interference of receiving satellite radio-navigation signals.
Thank you for your attention

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