



REGULATION ON MONITORING OF THE RADIO FREQUENCY SPECTRUM

Approved by Decision of the Steering Council (DSC/VKD) of AKEP no.26, dated 14.11.2025

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CHAPTER I

GENERAL PROVISIONS

Article 1

Purpose of Monitoring

1. The purpose of this Regulation is to define the procedures for monitoring the radio frequency spectrum, as allocated in the National Frequency Plan, with the aim to:
 - a) ensure that the use of frequencies granted by authorization is in compliance with the applicable legal and regulatory framework, in implementation of the authorization conditions;
 - b) ensure that the radio frequency spectrum is utilized exclusively by authorized users, in accordance with the provisions of Law No. 54/2024 “On Electronic Communications in the Republic of Albania”;
 - c) create an appropriate environment free from harmful interference for the operation of radio transmission systems and stations, to be used for private or public purposes, in compliance with the relevant legal provisions and within AKEP’s competencies;
 - d) support the spectrum management process by providing a clear overview of spectrum utilization by entities licensed/authorized by AKEP;
 - e) provide the necessary information for frequency coordination with neighbouring countries and for resolving potential interference.

Article 2

Subject Matter

This Regulation defines the procedures for monitoring the radio frequency spectrum in accordance with Law No. 54/2024 “On Electronic Communications in the Republic of Albania”.

Article 3

Legal Basis

This Regulation is adopted pursuant to letter “dh” of point 1 of Article 12 and Article 64 of Law No. 54/2024 “On Electronic Communications in the Republic of Albania”.

CHAPTER II

MONITORING OF THE RADIO FREQUENCY SPECTRUM

Article 4

Organization of Monitoring Activities at AKEP

1. Monitoring is mainly carried out in two forms:
 - a) **Remote monitoring:** The control of the entire monitoring system is performed by the Monitoring Control Center (MCC), located in the AKEP building. From the MCC, all Fixed Monitoring Stations installed in other cities of the country can be remotely controlled.
 - b) **Field monitoring:** Field monitoring is carried out periodically through the Mobile Monitoring Center and other technical equipment.
2. Field monitoring is conducted without the presence of a representative of the authorized undertaking/entity. Nevertheless, for various reasons, or when the monitoring task cannot otherwise be fulfilled, the specialists involved in monitoring have the right to request the presence of a representative and/or that monitoring be carried out at the premises where the undertaking/entity has installed the transmission equipment. In this case, the undertaking/entity is obliged to provide a representative and allow monitoring to be conducted at the premises where the transmission equipment is installed.
3. Any obstruction to the performance of monitoring duties constitutes an administrative offense and shall be sanctioned in accordance with Law no. 54/2024 “On Electronic Communications in the Republic of Albania”. The State Police authorities shall be notified for cooperation/support in accordance with the law, or cooperation shall be carried out with local public authorities in accordance with cooperation agreements.

Article 5

Types of Monitoring Stations

1. Types of monitoring stations are:
 - a) **Fixed Monitoring Station:** Fixed Monitoring Stations are the core element of the monitoring system, enabling technical measurements in the area where they are installed.
 - b) **Mobile Monitoring Station:** Mobile Monitoring Stations perform all monitoring operations in areas not covered by fixed stations.

Article 6

Monitoring by Fixed Stations

1. The National Frequency Monitoring Center (NFMC) operates a software system that enables remote management/control of Fixed Monitoring Stations (RFMS).
2. Monitoring activities are automatically scheduled in the system and executed according to the monthly plan for each Fixed Monitoring Station. All fixed stations are monitored within each month, and a monitoring report on the measurements performed is prepared.

Article 7

Monitoring by Mobile Station

1. Mobile monitoring is carried out using the Mobile Frequency Monitoring Center (MFMC) and any other available portable equipment.

2. Field monitoring is conducted based on the annual monitoring plan, interference complaints submitted to AKEP, and requests from stakeholders.
3. Monitoring equipment is used in accordance with instructions describing workflow and standard measurement procedures, based on the Monitoring Handbook (ITU) and equipment manuals.

Article 8

Monitoring Procedure

1. Monitoring is carried out mainly *ex officio* and/or upon request of an undertaking/entity holding an authorization issued by AKEP.
 - a) **Ex officio monitoring:**
 - i. Remote monitoring is carried out daily according to the monthly plan, and monitoring reports are submitted to the Director of the frequency monitoring directorate. If illegal transmissions are detected, an information report is prepared for the Chairperson.
 - ii. Field monitoring is carried out based on a Monitoring Authorization issued by the Chairperson of AKEP, according to Annex 1 of this Regulation, depending on the purpose of monitoring.
 - iii. The Mobile Frequency Monitoring Center and other available equipment are used for field monitoring.
 - iv. Field monitoring may be carried out at any time, regardless of normal working hours of the specialists and/or the monitored frequency user.
 - v. Any obstruction to monitoring duties, when not constituting a criminal offense, constitutes an administrative offense and is sanctioned according to applicable legal and sub-legal provisions.
 - b) **Monitoring upon request of the undertaking/entity:**
 - i. Frequency spectrum monitoring may also be carried out at the request of authorized undertakings/entities for the purpose of preventing or resolving interference.
 - ii. The request must be submitted in writing and duly justified.
2. AKEP cooperates in frequency monitoring when such a request is submitted by other institutions responsible for spectrum management.

Article 9

Main Monitoring Task

1. The main monitoring tasks, in accordance with the purpose of this Regulation and the functions and duties of AKEP as defined in Law no. 54/2024, include:
 - a) General measurement of channel and band usage, including verification of frequency availability (spectrum utilization);
 - b) Verification of compliance with license conditions by authorized undertakings/entities;
 - c) Measurement of technical parameters and characteristics of signals in accordance with national and international standards and regulations (signal analysis);
 - d) Detection of electromagnetic interference;
 - e) Detection and identification of unauthorized transmissions;

- f) Monitoring during special events such as major sports events and state visits;
 - g) Monitoring within the framework of technical and scientific studies.
2. Verification activities include, inter alia, the following measurements:
- a) Frequency Band Occupancy (FBO);
 - b) Frequency Channel Occupancy (FCO);
 - c) Modulation/deviation measurements;
 - d) Field strength measurements (including power and power flux density – PFD);
 - e) Bandwidth measurements;
 - f) Coverage measurements;
 - g) Frequency measurements;
 - h) Signal analysis and transmitter identification;
 - i) Microwave measurements;
 - j) Analysis of the use of emissions exempt from authorization (Short Range Devices – SRD);
 - k) Antenna pattern;
 - l) Antenna height/azimuth;
 - m) Geographic coordinates;
 - n) Modulation type.

CHAPTER III

PROGRAMMING OF MONITORING ACTIVITIES AND REPORTING

Article 10

Monitoring Plan

1. Monitoring is carried out based on annual plans prepared in accordance with ITU Radio Regulations (ITU-R), the ITU Monitoring Handbook, and CEPT recommendations/decisions.
2. The Annual Monitoring Plan defines in detail the monitoring activities to be undertaken by AKEP during the fiscal year, including:
 - a) Periodic inspection of major transmission points in the Republic of Albania;
 - b) Verification of illegal spectrum use and identification of unauthorized users and sources of interference;
 - c) FCO measurements to support authorization processes;
 - d) FBO measurements to support spectrum management;
 - e) Types of measurements, frequency bands to be monitored, and monitoring frequency;
 - f) Fixed stations assigned to predefined projects by geographic area.
3. The Annual Monitoring Plan is proposed by the responsible directorate and approved by the Chairperson of AKEP.
4. The plan is published on www.akep.al immediately after approval.
5. The Monthly Monitoring Plan is proposed by the relevant monitoring sector and approved by the responsible Director.

Article 11

Authorization of the Monitoring Process

1. Monitoring is carried out based on a Monitoring Authorization issued by the Chairperson on a case-by-case basis, containing:
 - a) transmission points to be monitored;
 - b) list of monitoring specialists;
 - c) type of measurements;
 - d) start date and deadline;
 - e) description of purpose and task;
 - f) equipment and antennas to be used.
2. The monitoring group shall consist of no fewer than two (2) frequency monitoring specialists with equal legal rights and responsibilities.
3. Field activities and measurements may only be carried out after issuance of the Monitoring Authorization.

Article 12

Monitoring Report

1. Upon completion of each measurement and monitoring process, the personnel involved in the measurements shall prepare a monitoring report containing the following:
 - a) a description of the purpose and the task;
 - b) the personnel involved in the task;
 - c) the date and time during which the task was carried out;
 - d) the equipment and antennas used for measurements and monitoring;
 - e) the measured values of frequency, bandwidth, coverage, Frequency Band Occupancy (FBO), Frequency Channel Occupancy (FCO), power flux density, field strength, call sign, signal analysis, etc., as well as any violations, where applicable;
 - f) printouts/screenshots from the spectrum analyzer and receiver;
 - g) environmental conditions that may affect the accuracy of the measurements;
 - h) conclusions and recommendations for further actions, where necessary.
2. The report shall be signed by all members of the monitoring team.
3. The results of fixed monitoring measurements shall be recorded, analyzed, and summarized in a six-month Periodic Report.
4. For the purpose of data preservation and effective processing, all monitoring data shall be stored in a dedicated database.

Article 13

Database

1. The Monitoring Sector shall establish and keep updated a database containing information derived from the monitoring activities carried out.
2. The database shall include, as follows:
 - a) a description of the purpose and the monitoring activity;

- b) the specialists involved in the monitoring;
 - c) the date and time during which the monitoring was carried out;
 - d) the equipment used for monitoring;
 - e) the location where the monitoring was carried out;
 - f) the monitored entities;
 - g) the monitoring results;
 - h) the measures taken.
3. The Monitoring Sector shall cooperate with the Frequency Administration Sector for the verification of authorization conditions of users holding an Individual Authorization, as well as for the identification of unauthorized users.

Article 14

Rights and Obligations of Monitoring Staff

1. The specialists involved in monitoring shall be equipped with a special identification document issued by AKEP, containing their name/surname, photograph, and job position, as well as with a monitoring authorization signed and stamped by the Chairperson.
2. The specialists involved in monitoring shall have the right to photograph transmission equipment or the premises of undertakings/entities in order to document the procedure or the results of the monitoring.
3. During the monitoring process, the specialists involved shall comply with technical safety rules and the rules for the use of equipment.
4. Field deployment and the performance of monitoring activities under severe weather conditions are prohibited, particularly in cases of atmospheric discharges.

Article 15

Rights and Obligations of Undertakings/Entities

1. Undertakings/entities holding an authorization issued by AKEP shall be obliged to allow the persons responsible for monitoring to carry out monitoring activities at their transmission premises.
2. Undertakings/entities shall be obliged to provide the specialists involved in monitoring with any information, data, and/or other documentation necessary for the monitoring activities.

Article 16

Administrative Offences

1. Any use of the radio frequency spectrum contrary to the provisions of Law No. 54/2024 “On Electronic Communications in the Republic of Albania”,
2. when it does not constitute a criminal offence, shall constitute an administrative offence and shall be sanctioned in accordance with the provisions of this Law and other secondary legislation issued for its implementation, including this Regulation,

Article 17

Measurement Evaluation Procedure

1. When, during the performance of monitoring duties, AKEP specialists ascertain that the use of frequencies is not in compliance with the applicable legal and regulatory framework and/or with the conditions of the individual authorization, they shall prepare a finding report, which, as applicable, shall be notified to or signed by the monitored entity.
2. The finding report shall contain detailed information on the entity, the date, time, monitored frequency, and the specific violation.
3. The finding report, together with any accompanying documentation, shall be submitted, according to competence, to the Chairman of AKEP.
4. Following the evaluation of the finding report and the relevant material, the Chairman of AKEP, according to competence, shall authorize the responsible AKEP structures to proceed with the inspection procedure.
5. The entity shall be officially notified and granted the right to provide explanations regarding the committed violation.
6. AKEP, in accordance with the law and the evidence presented, shall impose the relevant administrative measure (warning, order for suspension of operation, fine, etc.).
7. The decision of AKEP shall be communicated to the entity that committed the violation.
8. The provisions of this Article shall not prevent AKEP from carrying out an inspection at the frequency user's premises, in accordance with the Inspection Regulation.

CHAPTER IV

TECHNICAL RULES OF THE MONITORING PROCESS

Article 18

Technical Safety during Field Measurements

1. The head of the measurement team shall be responsible for ensuring compliance with technical safety rules.
2. The commissioning and performance of measurements under severe weather conditions is prohibited, particularly in cases of atmospheric discharges.
3. In all cases, during the performance of stationary measurements, the Mobile Frequency Monitoring Center (MFMC) shall be properly grounded in accordance with grounding rules.
4. The staff operating the MFMC shall not remain near parts that may become subject to impact and cause health damage (e.g., it is not permitted to stand in front of the telescopic mast during its raising or lowering).

5. Measurements shall not be carried out if the MFMC is not positioned under optimal conditions for conducting measurements (positioning on sloped or unsuitable terrain is not permitted).
6. The installation of antennas required for conducting measurements shall be carried out in accordance with the operating instructions for each respective device.
7. The connection/disconnection of the power supply (electrical energy) for the monitoring center shall be performed in accordance with the instructions specified in the operating manual.
8. The movement of the vehicle shall take place only after it has been ensured that all equipment is properly secured in place and that the movement of the vehicle does not pose a risk of damage to the equipment.

Article 19

Instructions

1. The use of monitoring equipment shall be carried out in accordance with the instructions describing the workflow and standard measurement procedures.
2. The instructions are defined in the Monitoring Handbooks (ITU Monitoring Handbook) and in the manuals of the equipment used to perform monitoring.

Article 20

Security of the Mobile Frequency Monitoring Center

1. The Mobile Frequency Monitoring Center, in which monitoring equipment is installed, shall remain locked within AKEP premises when not in use.
2. In cases where, during the performance of measurements, it is necessary not to return to AKEP premises, the (MFMC) shall be secured at the police station of the city of stay or at a nearby military unit.

CHAPTER V

INTERFERENCE MANAGEMENT

Article 21

Administrative Procedure

1. Any complaint regarding interference shall be submitted to AKEP using the “Interference Reporting” form (Annex 3), through the designated Online Applications Module, which is available on the website www.aplikimeonline.al.
2. In cases where harmful interference occurs on the frequencies of public safety systems and disaster relief services, the interference complaint may also be submitted to the official AKEP email address info@akep.al or in written form. In such cases, AKEP shall handle the complaint immediately.

Article 22

AKEP Activities in the Resolution of Interference

1. Based on the National Frequency Plan, users operating radio equipment on frequencies designated for secondary services (without individual authorization) are excluded from the right to submit interference complaints, as these frequency bands are considered un-protected.
2. Upon receipt of an interference complaint, AKEP shall analyze the information provided and assess the appropriateness of undertaking further actions. The relevant directorate shall categorize the complaint and determine the actions to be initiated, in accordance with the circumstances, as follows:
 - a) interference affecting public safety;
 - b) interference within the territory of the Republic of Albania;
 - c) interference originating outside the territory of the Republic of Albania;
 - d) interference originating from the Republic of Albania and affecting areas outside its territory;
 - e) interference in airspace (aeronautical radionavigation and satellite services);
 - f) other cases.
3. In order to determine the source of interference and eliminate it, AKEP shall undertake the following measures:
 - a) conducting radio frequency monitoring to identify and determine the location of the interference source;
 - b) conducting on-site monitoring at locations suspected of causing or being the source of interference, including the premises of the complaining party, where it is suspected that it may be the source of the interference.
4. In cases where a complaint is submitted by administrative authorities outside the territory of the Republic of Albania, and based on the information provided it is suspected that the source of interference is a domestically authorized user, AKEP may request the temporary suspension of transmissions, coordinating its activities with the complaining administration in order to carry out the necessary measurements.
5. The final response to complaints received from outside the territory of the Republic of Albania shall be formalized only after analysis by AKEP.
6. In any case where AKEP establishes harmful interference resulting from the violation of one of the following conditions:
 - a) violation of the terms and conditions of the authorization issued by AKEP to an authorized user;
 - b) unauthorized use of frequency bands;
 - c) unauthorized installation of radio equipment;
 - d) unauthorized import of wireless transmitting equipment;
 - e) violation of AKEP rules or policies,

AKEP shall proceed in accordance with Law no. 54/2024 and the applicable regulatory acts against the undertaking/entity (natural or legal person) causing the interference. The monitoring report shall be sent to the complainant no later than 15 days from the date of notification of the interference complaint.

7. Through official communication, AKEP shall inform the undertaking/entity that it must take immediate measures to eliminate the interference. The undertaking/entity shall be

given the opportunity to submit written explanations within 5 (five) working days regarding the interference, in order to clarify whether the interference is justified. Based on the response of the interfering user, AKEP shall determine whether the violation was intentional or occurred due to reasons beyond the user's control.

8. In cases of intentional and repeated violations by an undertaking, AKEP shall initiate administrative measures in accordance with the provisions of Law no. 54/2024.

CHAPTER VI

FINAL AND TRANSITIONAL PROVISIONS

Article 23

Repeal

1. Regulation no. 44, dated 13.10.2016, "On the Monitoring of the Radio Frequency Spectrum," is hereby repealed.
2. Regulation no. 35, dated 23.12.2014, "On the Administration of Interference," is hereby repealed.

Article 24

Entry into Force

1. This Regulation shall enter into force on the date of its approval by the Steering Council, in accordance with Law no. 54/2024 "On Electronic Communications in the Republic of Albania."
2. This Regulation shall be published on the official website of the Authority of Electronic and Postal Communications.

Annex 1 – Monitoring Authorization



REPUBLIC OF ALBANIA

**ELECTRONIC AND POSTAL COMMUNICATIONS AUTHORITY
DIRECTORATE FOR THE ADMINISTRATION AND MANAGEMENT OF SCARCE RESOURCES**

No. _____ Prot.

Tirana, on _____

MONITORING AUTHORIZATION

Pursuant to point 3 of Article 14 of Law no. 54/2024 “On Electronic Communications in the Republic of Albania”, and Law no. 7961, dated 12.07.1995 “Labour Code of the Republic of Albania”, as amended,

The Working Group composed of:

Name Surname, (position)

1. _____ , _____

2. _____ , _____

3. _____ , _____

a) purpose of the monitoring / b) transmission points to be monitored /c) monitoring equipment to be used)

The departure to (location) shall take place on. _____, and the return to (location) shall take place on _____.

Transportation shall be carried out using AKEP vehicles:

Vehicle _____, license plate _____.

Annex 2 – Statement of Findings



REPUBLIC OF ALBANIA

**ELECTRONIC AND POSTAL COMMUNICATIONS AUTHORITY
DIRECTORATE FOR THE ADMINISTRATION AND MANAGEMENT OF SCARCE RESOURCES**

No. _____ Prot.

Tirana, on _____

MONITORING FINDINGS REPORT

Based on Authorization no. __, dated .____, issued by the Chairperson of the Authority of Electronic and Postal Communications (AKEP), no. __, dated .____, the Working Group, during the conduct of monitoring activities at the premises _____ where the equipment of the entity _____ is installed, and in the presence of the representative of the entity

_____, identified the following violations:

1. _____
2. _____
3. _____

FOR THESE REASONS

Pursuant to Article ____, of Decision no. ____, dated. ____, “On the approval of the Regulation on Radio Frequency Spectrum Monitoring,” of the AKEP Steering Council, the Working Group hereby informs the Chairperson of AKEP for the continuation of further inspection procedures.

THE WORKING GROUP

FOR THE ENTITY

Annex 3 – Interference Report Form



REPUBLIC OF ALBANIA

ELECTRONIC AND POSTAL COMMUNICATIONS AUTHORITY DIRECTORATE FOR THE ADMINISTRATION AND MANAGEMENT OF SCARCE RESOURCES

Application Reference: A K E P - x x x x - x x - x x x x x

Application Date YYYY-MM-DD

PART 1 – APPLICANT DETAILS	
Name of the Entity (legal/natural person)	
Address of Residence / Head Office of the Entity (legal/natural person)	
City / Country	
Telephone	
Email	
Website	
The Entity (legal/natural person) is registered with the National Registration Center (NRC) on:	
Date of Registration with NRC	
Registered as (JSC; LLC, etc.)	
Tax Identification Number NIPT	
Name of the Legal Representative of the Entity (legal/natural person)	

Personal Identification Number (ID card/passport):	
Telephone	
E-mail	
Contact Person (Technical Manager):	
Telephone	
E-mail	
Description of the nature of the interference	
Initial detection of the interference	
Channel	
Type of Interference	
If intermittent – Specify the time when it occurs	
If intermittent – Time intervals during which it recurs: from _____ to _____	
If intermittent – Time intervals during which it recurs: from _____ to _____	
How long does it remain present at the radio station?	
Coverage – City or region	
Coverage – Coordinates	
Strength of the received interfering signal	
Intelligibility of the received interfering signal	
Language used according to ITU classification	
Source of Interference	

Provide any available information regarding the entity causing this interference	
Channel bandwidth and type of transmission	
Location of the interfering channel transmitter (Tx)	
Do you use Control Tone on your equipment	
If yes, which tone	
Have your equipment been checked by the equipment supplier after the appearance of the interference	
If yes, provide full and accurate details on the location of each of them	
Additional information	