REPUBLIKA E SHQIPËRISË

ELECTRONIC AND POSTAL COMMUNICATIONS AUTHORITY
STEERING COUNCIL

No. _____Prot., Tirana, on __.__.2026

D E C I S I O N

No.21, dated 29.10.2026

ON

"ON THE GRANTING OF A TEMPORARY INDIVIDUAL AUTHORISATION FOR THE USE OF 2×5 MHz (FDD) OF SPECTRUM IN THE 2600 MHz BAND, FOR THE PURPOSES OF STUDY, RESEARCH, TESTING AND EXPERIMENTATION OF D2D-IMT SERVICES, TO THE UNDERTAKING "ONE ALBANIA" SH.A."

The Steering Council (SC) of the Electronic and Postal Communications Authority (AKEP), attended by:

Z.	**Gentian Sala**	**Chairman**
Znj.	**Edlira Dvorani**	**Member**
Z.	**Armer Juka**	**Member**
Z.	**Bleron Dokle**	**Member**
Znj.	**Diana Dervishi**	**Member**

and with Ms. Dania Nallbani serving as Secretary, at the meeting held on 29 October 2026, in accordance with the procedure laid down in Law No. 54/2024 "On Electronic Communications in the Republic of Albania", Law No. 8480, dated 27 May 1999, "On the Functioning of Collegial Bodies of the State Administration and Public Entities", and the Internal Regulation on the Organisation and Functioning of the Electronic and Postal Communications Authority (AKEP), approved by Manging Council Decision No. 11, dated 31 March 2026, upon the proposal of the Directorate for the Administration and Management of Scarce Resources, examined the matter with the following subject:

- Granting a temporary individual authorisation to the undertaking "One Albania" sh.a. for the use of 2 × 5 MHz (FDD) of spectrum in the 2600 MHz band for the purposes of study, research, testing and experimentation of D2D-IMT services.

LEGAL BASIS:

1. Point 11 of Article 66 and Article 131 of Law No. 54/2024 "On Electronic Communications in the Republic of Albania";
2. Council of Ministers Decision No. 756, dated 13 December 2024, "On the Approval of the National Frequency Plan" (NFP);
3. KEP Managing Council Decision No. 7, dated 6 September 2023, approving the "Frequency Use Plan" (FUP)";
4. Managing Council Decision No. 2563, dated 11 May 2015 (Protocol No. 810/12, dated 11 May 2015), "On the Granting of an Individual Authorisation to the Undertaking 'Albania Mobile Communications' sh.a. for Four Rights of Use, Each Comprising 2×5 MHz of Paired Spectrum in the 2500–2690 MHz Band for TRA-ECS Applications", with a validity period of 15 years from the date of its approval (currently One Albania sh.a.);

THE STEERING COUNCIL:

Having reviewed the documentary file comprising the following documents:

1. The application bearing reference No. 2026-AKEP-SS-11.1_104, dated 25 September 2026, registered with AKEP under Protocol No. 1949, dated 1 October 2026, requesting the issuance of an individual authorisation for the use of frequencies in this band for the purposes of study, research, testing and experimentation, together with the letter bearing Protocol No. 1860, dated 25 September 2026, registered with AKEP under Protocol No. 1903, dated 28 September 2026, concerning: "Application for an Experimental Radio Authorisation for Direct-to-Device (D2D) Satellite Communications in the Existing 2.6 GHz Spectrum Band (2525–2530/2645–2650 MHz)", submitted by the operator One Albania sh.a;
2. The explanatory report concerning the draft decision;
3. The draft decision of the Managing Council, prepared by the structure entrusted with handling the matter, following the examination of the application;

and having considered the discussions held during the meeting on the matter, with reference to the aforementioned legal basis,

NOTES THAT:

1. The undertaking "One Albania" sh.a. has requested the issuance of a temporary individual authorisation for the experimental use of radio frequency spectrum in the 2600 MHz band (a bandwidth of 2×5 MHz (FDD)), for the purposes of study, research, testing and experimentation of D2D-IMT services, as well as the assignment of an MNC code, as part of the PLMN ID (Public Land Mobile Network Identifier), dedicated to the D2D-IMT service during the testing phase.

2. With reference to the information and technical data submitted by the undertaking ONE Albania sh.a. as part of its application documentation, the request for the experimental use of frequencies and the conduct of D2D-IMT testing concerns the experimental use of a 2 × 5 MHz (FDD) spectrum block in the 2600 MHz band for the testing of Direct-to-Device (D2D) satellite communications, as well as the technical integration of the satellite system with the mobile network of ONE Albania sh.a.

   The specific frequencies requested are 2525–2530 MHz, in the Earth-to-space direction, for transmission from the mobile terminal to the satellite, and 2645–2650 MHz, in the space-to-Earth direction, for transmission from the satellite to the mobile terminal.

3. The requested validity period of the temporary individual authorisation is 120 (one hundred and twenty) days, in accordance with the period specified in point 11 of Article 66 of Law No. 54/2024.
4. Within the framework of the testing activities to be carried out, the operator "ONE Albania" sh.a. has also requested the assignment of an MNC (Mobile Network Code), for the purpose of identifying the network in connection with the conduct of the requested tests.

FOR THESE REASONS:

Pursuant to point 1 of Article 14 and point 1 of Article 15 of Law No. 54/2024 "On Electronic Communications in the Republic of Albania", and Law No. 8480, dated 27 May 1999, "On the Functioning of Collegial Bodies of the State Administration and Public Entities", the Managing Council of AKEP,

DECIDES:

1. To grant the undertaking "One Albania" sh.a. an Individual Authorisation for the use of 2 × 5 MHz (FDD) of spectrum in the 2600 MHz band (2525–2530/2645–2650 MHz), for the purposes of study, research, testing and experimentation of D2D-IMT services, in accordance with Annex 1 attached to this Decision.
2. To assign the MCC/MNC code 276 04 to the undertaking "One Albania" sh.a., in accordance with Annex 2 attached to this Decision.
3. he validity period of the Individual Authorisation and the assignment of the MCC/MNC code for the testing of the satellite-based mobile service (D2D-IMT) shall be 120 (one hundred and twenty) days from the date of entry into force of this Decision.
4. The AKEP Administration shall be responsible for the implementation of this Decision.

This Decision shall enter into force immediately.

Chairman	Member	Member	Member	Member
Gentian Sala	**Edlira Dvorani**	**Armer Juka**	**Bvleron Dokle**	**Diana Dervishi**

ANNEX 1

REPUBLIC OF ALBANIA

ELECTRONIC AND POSTAL COMMUNICATIONS AUTHORITY

INDIVIDUAL AUTHORISATION

No. _____, dated ___.___.2026

UNDERTAKING:

"ONE ALBANIA" sh.a.

FOR THE ASSIGNMENT AND USE OF FREQUENCIES FOR THE PURPOSES OF STUDY, RESEARCH, TESTING AND EXPERIMENTATION

CHAIRMAN

Gentian Sala

ANNEX Nº 8/1

FOR THE ASSIGNMENT AND USE OF FREQUENCIES FOR THE PURPOSES OF STUDY, RESEARCH, TESTING AND EXPERIMENTATION

Undertaking Details	
Name of the Legal Entity / Company	**One Albania sh.a**
Postal Address	Rruga "Muhedin Llagami" Kompleksi Square 21
City/Contry	Tirana/ Albania
Tax Identification Number (NIPT)	J61814094W
Date of Registration with the National Registration Centre (QKR)	27/11/1995
Telephone	00355672016603
E-Mail	aplikimeakep@one.al
Contact Person	Ilir Duka
Telephone	00355682024008
E-Mail	iduka@one.al; ervin.shpori@one.al; loreta.pistolja@one.al; luan.sula@one.al;marjola

Business Activity Details	
Purpose of the Activity	The purpose of the tests is to establish, verify and test the technical integration between the mobile network of the operator ONE Albania sh.a. and SpaceX's satellite network, the network and system control functions, as well as the service-related operational processes associated with the SIM cards assigned for testing purposes.
Number of Participants in the Activity	The test will use SpaceX's non-geostationary Direct-to-Device VI satellite system and a limited number of commercially available, unmodified mobile terminals equipped with LTE technology.
Geographical Area	Throughout the territory of Albania
Number of Fixed Stations During the Activity	SpaceX Direct-to-Device VI LEO satellite system. Terminal 1: Apple iPhone 14 Pro Terminal 2: Samsung Galaxy S26 Ultra

Frequency Details	
Frequency Band [GHz]	2525–2530 MHz paired with 2645–2650 MHz
Channel Bandwidth [MHz]	5 MHz
Assigned Frequencies [MHz]	2525–2530 MHz: Earth-to-space direction (transmission from the mobile device)
	2645–2650 MHz: Space-to-Earth direction (transmission from the satellite)

SpaceX Satellite Radio Station Details	
Parameter	**Value**

System Name	SpaceX Direct-to-Device VI LEO satellite system
Technical Operator	SpaceX
Radio Technology	LTE-based D2D, with satellite eNodeB functionality
Satellite Orbit	Low Earth non-geostationary orbit (LEO)
Orbital Altitude	340–360 km
Eccentricity	~0
Space-to-Earth Transmission Frequency	2645-2650 MHz
Earth-to-Space Reception Frequency	2525-2530 MHz
Activated Bandwidth (MHz)	5 MHz
Duplex Mode	FDD
Antenna Type	Phased-array dipole antenna
Maximum Antenna Gain	38 dBi
Maximum Downlink EIRP	Maximum Downlink EIRP
58 dBW	58 dBW
Maximum Power Flux Density at the Earth's Surface	Maximum Power Flux Density at the Earth's Surface
−80 dBW/m²/MHz	−80 dBW/m²/MHz
Emission Designator	Emission Designator
5M00G7W	5M00G7W

Mobile Terminal Details	
Terminal 1	
Parameter	**Value**
Manufacturer and Model	Apple iPnone 14 Pro
Model Number	A2890
Nature of the Terminal	Commercially available 4G/LTE/5G mobile phone, with no hardware modifications
Radio Technology and Frequency Band	LTE FDD, 3GPP Band 7
Earth-to-Space Transmission Frequency	2525-2530 MHz
Space-to-Earth Reception Frequency	2645-2650 MHz
Channel Bandwidth (MHz)	5 MHz
Maximum Transmission Power	23 dBm
Antenna	Integrated mobile antenna; no external satellite antenna
Dimensions	147.5 x 71.5 x 7.85 mm
Weight	0.206 kg
SIM	Pre-provisioned test SIM cards

Mobile Terminal Details	
Terminal 2	
Parameter	**Value**
Manufacturer and Model	Samsung Galaxy S26 Ultra
Model Number	SM-S948B/DS
Nature of the Terminal	Commercially available 4G/LTE/5G mobile phone, with no hardware modifications; supports nano-SIM and eSIM
Radio Technology and Frequency Band	LTE FDD, 3GPP Band 7

Earth-to-Space Transmission Frequency	2525-2530 MHz
Space-to-Earth Reception Frequency	2645-2650 MHz
Channel Bandwidth (MHz)	5 MHz
Maximum Transmission Power	23 dBm nominal (LTE Power Class 3)
Modulation and Emission Designator	LTE uplink SC-FDMA
Antenna	Integrated mobile antenna; no external satellite antenna
Dimensions	163.6 x 78.1 x (missing) mm
Weight	0.214 kg
SIM	Pre-provisioned test SIM cards

Protection Against Interference

Pursuant to Article 4.4 of the ITU Radio Regulations, the station shall not cause harmful interference and shall not claim protection from stations operating in accordance with these Radio Regulations**.**

Period of Use of Frequencies

Duration of Use of Frequencies Assigned by AKEP:
Start: / / **End:** / /

ANNEX 2

REPUBLIC OF ALBANIA

ELECTRONIC AND POSTAL COMMUNICATIONS AUTHORITY

NOTIFICACTION

No. _____, dated ___.___.2026

"ON THE ASSIGNMENT AND USE OF NUMBERING RESOURCES"

UNDERTAKING:

"ONE ALBANIA" SH.A

CHAIRMAN
Gentian Sala

ON THE ASSIGNMENT AND USE OF NUMBERING RESOURCES

Name of the Legal Entity / Company		NIPT-i
One Albania sh.a		**J61814094W**
Postal Address		**Date of Registration with the National Registration Centre (QKB)**
Rruga "Muhedin Llagami" Kompleksi Square 21, Tiranë		**27.11.1995**
City/Country		**Postal Code**
Tirana / Albania		**-**
Telephone	**Fax**	**E-mail**
00355672016603	**-**	iduka@one.al; ervin.shpori@one.al; loreta.pistolja@one.al
Contact Person		
Ilir Duka		
Telephone	**Fax**	**E-mail**
00355682024008	**-**	iduka@one.al;

Under the category of Mobile Network Codes (MNCs) for public mobile telephone network operators, the following code is assigned for use:

MCC	MNC	OPERATOR
276	**04**	ONE ALBANIA sh.a

MCC Mobile Country Code
MNC Mobile Network Code