



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION**

RADIO STATION AUTHORIZATION

Anuvu Licensing Holdings LLC

Call Sign: E080100

Authorization Type: Modification of License

File Number: SES-MFS-20210127-00153

Non Common Carrier

Grant date: 11/12/2021

Expiration Date: 08/05/2024

Nature of Service: Earth Station Aboard Aircraft

Nature of Service: Fixed Satellite Service

Class of Station: Other

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	1	(0.6m AeroSat Avionics) 1000 UNITS CONUS, +TERR, INTERNATIONAL WATERS CONUS,				NA
2)	2	(0.62m TECOM) 1000 UNITS CONUS, PR, USVI USTerr Waters CONUS,				NA
3)	3	(0.63m QEST) 1000 UNITS CONUS, PR, USVI USTerr Waters CONUS,				NA

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning August 5, 2009 (3 AM Eastern Standard Time) and ending August 5, 2024 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is November 12, 2022 (3 AM Eastern Standard Time) . Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	14050.0000-14470.0000	H,V	1M60G7D	Tx	38.60	14.60	1		QPSK OR OCTAL PSK



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
2)	11700.0000-12200.0000	H,V	36M0G7D	Rx	0.00	0.00	1		QPSK OR OCTAL PSK
3)	14050.0000-14470.0000	H,V	1M02G7D	Tx	41.30	17.20	2		QPSK OR OCTAL PSK
4)	14050.0000-14470.0000	H,V	1M02G7D	Tx	43.80	18.70	2		QPSK OR OCTAL PSK
5)	14050.0000-14470.0000	H,V	1M20G7D	Tx	42.80	18.70	2		QPSK OR OCTAL PSK
6)	14050.0000-14470.0000	H,V	1M60G7D	Tx	36.00	11.90	2		QPSK OR OCTAL PSK
7)	14050.0000-14470.0000	H,V	1M60G7D	Tx	38.80	14.80	2		QPSK OR OCTAL PSK
8)	14050.0000-14470.0000	H,V	1M60G7D	Tx	41.30	16.20	2		QPSK OR OCTAL PSK
9)	14050.0000-14470.0000	H,V	1M60G7D	Tx	41.30	17.20	2		QPSK OR OCTAL PSK
10)	14050.0000-14470.0000	H,V	2M04G7D	Tx	42.80	15.70	2		QPSK OR OCTAL PSK
11)	14050.0000-14470.0000	H,V	2M04G7D	Tx	43.80	15.70	2		QPSK OR OCTAL PSK
12)	14050.0000-14470.0000	H,V	2M04G7D	Tx	43.80	16.70	2		QPSK OR OCTAL PSK
13)	14050.0000-14470.0000	H,V	3M20G7D	Tx	41.80	14.80	2		QPSK OR OCTAL PSK
14)	14050.0000-14470.0000	H,V	3M20G7D	Tx	43.80	16.20	2		QPSK OR OCTAL PSK
15)	14050.0000-14470.0000	H,V	3M20G7D	Tx	43.80	16.70	2		QPSK OR OCTAL PSK
16)	14050.0000-14470.0000	H,V	4M09G7D	Rx	43.80	13.70	2		QPSK OR OCTAL PSK
17)	14050.0000-14470.0000	H,V	4M09G7D	Tx	42.80	12.70	2		QPSK OR OCTAL PSK
18)	14050.0000-14470.0000	H,V	4M09G7D	Tx	43.80	13.70	2		QPSK OR OCTAL PSK
19)	14050.0000-14470.0000	H,V	6M40G7D	Tx	43.80	13.70	2		QPSK OR OCTAL PSK
20)	12500.0000-12750.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK
21)	12250.0000-12750.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK
22)	11700.0000-12200.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK
23)	11450.0000-12200.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK
24)	11450.0000-11700.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK
25)	11200.0000-11450.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK



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B) Particulars of Operations

The General Provision 1010 applies to all receiving frequency bands.

The General Provision 1900 applies to all transmitting frequency bands.

For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
26)	10950.0000-11200.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK
27)	10700.0000-11700.0000	H,V	36M0G7D	Rx			2		QPSK OR OCTAL PSK
28)	14050.0000-14470.0000	H,V	1M02G7D	Tx	41.90	17.80	3		QPSK OR OCTAL PSK
29)	14050.0000-14470.0000	H,V	1M02G7D	Tx	42.40	18.30	3		QPSK OR OCTAL PSK
30)	14050.0000-14470.0000	H,V	2M04G7D	Tx	41.90	14.80	3		QPSK OR OCTAL PSK
31)	14050.0000-14470.0000	H,V	2M04G7D	Tx	43.80	16.70	3		QPSK OR OCTAL PSK
32)	14050.0000-14470.0000	H,V	2M40G7D	Tx	43.40	16.30	3		QPSK OR OCTAL PSK
33)	14050.0000-14470.0000	H,V	4M09G7D	Tx	41.90	11.80	3		QPSK OR OCTAL PSK
34)	14050.0000-14470.0000	H,V	4M09G7D	Tx	43.40	13.30	3		QPSK OR OCTAL PSK
35)	14050.0000-14470.0000	H,V	4M09G7D	Tx	43.80	13.70	3		QPSK OR OCTAL PSK
36)	12500.0000-12750.0000	H,V	36M0G7D	Rx			3		QPSK OR OCTAL PSK
37)	12200.0000-12500.0000	H,V	36M0G7D	Rx			3		QPSK OR OCTAL PSK
38)	11700.0000-12200.0000	H,V	36M0G7D	Rx			3		QPSK OR OCTAL PSK
39)	11450.0000-11700.0000	H,V	36M0G7D	Rx			3		QPSK OR OCTAL PSK
40)	11200.0000-11450.0000	H,V	36M0G7D	Rx			3		QPSK OR OCTAL PSK
41)	10950.0000-11200.0000	H,V	36M0G7D	Rx			3		QPSK OR OCTAL PSK
42)	10700.0000-11700.0000	H,V	36M0G7D	Rx			3		QPSK OR OCTAL PSK

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1)	14050.0000-14470.0000	50.0W	-129.2W	90.0	-35.0	138.7	-011.2	-4.5	3
2)	11700.0000-12200.0000	50.0W	-129.2W	90.0	-35.0	138.7	-011.7		3
3)	11450.0000-11700.0000	50.0W	-50.0W	90.0	-90.0	138.0	-138.0		3



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		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
4)	11200.0000-11450.0000	50.0W	50.0W	90.0	90.0	138.0	138.0		3
5)	10950.0000-11200.0000	50.0W	50.0W	90.0	90.0	138.0	138.0		3
6)	14050.0000-14470.0000	67.0W	67.0W	35.0	54.0	113.0	194.0	13.3	3
7)	14050.0000-14470.0000	131.0W	133.0W	48.3	05.0	182.3	259.5	-4.1	3
8)	10700.0000-11700.0000	131.0W	133.0W	48.3	48.3	182.3	182.3		3
9)	11700.0000-12200.0000	131.0W	133.0W	48.3	05.0	182.3	259.5		3
10)	14050.0000-14470.0000	47.5W	47.5W	05.0	05.0			-4.1	3
11)	11700.0000-12200.0000	47.5W	47.5W	05.0	05.0				3
12)	11200.0000-11450.0000	131.0W	133.0W	05.0	05.0				3
13)	11450.0000-11700.0000	131.0W	133.0W	05.0	05.0				3
14)	12500.0000-12750.0000	131.0W	133.0W	05.0	05.0				3
15)	14050.0000-14470.0000	131.0W	133.0W	05.0	05.0				3
16)	10950.0000-11200.0000	138.9W	139.5W	05.0	05.0	202.2	255.2		3
17)	11450.0000-11700.0000	138.9W	139.5W	05.0	05.0	202.2	255.2		3
18)	11450.0000-11700.0000	142.8W	143.3W	05.0	05.0	207.2	257.6		3
19)	11700.0000-12200.0000	106.9W	107.5W	05.0	05.0	156.2	229.5		3
20)	11700.0000-12200.0000	108.9W	109.5W	05.0	05.0	159.0	231.8		3
21)	11700.0000-12200.0000	142.8W	143.3W	05.0	05.0	207.2	257.6		3
22)	14050.0000-14470.0000	106.9W	107.5W	05.0	05.0	156.2	229.5	9.7	3
23)	14050.0000-14470.0000	108.9W	109.5W	05.0	05.0	159.0	231.8	9.7	3
24)	14050.0000-14470.0000	138.9W	139.5W	05.0	05.0	202.2	255.2	9.7	3
25)	14050.0000-14470.0000	142.8W	143.3W	05.0	05.0	207.2	257.6	9.7	3
26)	14050.0000-14470.0000	83.0W	127.0W	35.0	11.2	206.7	138.7	5.4	1
27)	11700.0000-12200.0000	83.0W	127.0W	35.0	11.2	206.7	138.7	0	1
28)	10950.0000-11200.0000	40.5W	40.5W	28.7	17.5	323.4	299.2		2
29)	14050.0000-14470.0000	67.0W	67.0W	35.0	54.0	113.0	194.0	13.3	2
30)	14050.0000-14470.0000	129.2W	129.2W	10.0	34.0	257.0	185.0	-14.3	2
31)	11700.0000-12200.0000	129.2W	129.2W	10.0	34.0	257.0	185.0		2
32)	11700.0000-12200.0000	83.0W	127.0W	35.0	11.2	206.7	138.7		2
33)	14050.0000-14470.0000	83.0W	127.0W	35.0	11.2	206.7	138.7	3	2
34)	11450.0000-12200.0000	37.5W	127.0W	20.9	02.6	194.4	119.5		2
35)	14050.0000-14470.0000	37.5W	127.0W	20.9	03.0	194.4	119.5	13.3	2
36)	12250.0000-12750.0000	166.0E	166.0E	39.6	06.3	127.5	259.8		2
37)	14050.0000-14470.0000	37.5W	194.0W	20.9	06.3	194.4	259.8	13.3	2
38)	11450.0000-11700.0000	37.5W	127.0W	20.9	02.6	194.4	119.5		2



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
39)	11700.0000-12200.0000	37.5W	194.0W	20.9	06.3	194.4	259.8	0	2
40)	14050.0000-14470.0000	84.8W	84.8W	11.1	27.7	241.9	139.6	13.3	2
41)	11700.0000-12200.0000	84.8W	84.8W	11.1	27.7	241.9	139.6		2
42)	14050.0000-14470.0000	114.9W	114.9W	10.0	18.8	115.4	211.9	13.3	2
43)	11700.0000-12200.0000	114.9W	114.9W	10.0	18.8	115.4	211.9		2
44)	10950.0000-11200.0000	50.0W	50.0W	90.0	90.0	138.0	138.0		2
45)	11200.0000-11450.0000	50.0W	50.0W	90.0	90.0	138.0	138.0		2
46)	10700.0000-11700.0000	129.0W	129.0W	05.0	05.0				2
47)	14050.0000-14470.0000	131.0W	133.0W	05.0	05.0	000.0	000.0		2
48)	11200.0000-11450.0000	131.0W	133.0W	05.0	05.0	000.0	000.0		2
49)	11450.0000-11700.0000	131.0W	133.0W	05.0	05.0	000.0	000.0		2
50)	12500.0000-12750.0000	131.0W	133.0W	05.0	05.0	000.0	000.0		2
51)	14050.0000-14470.0000	47.5W	47.5W	05.0	05.0			-4.1	2
52)	11700.0000-12200.0000	47.5W	47.5W	05.0	05.0				2
53)	10950.0000-11200.0000	138.9W	139.5W	05.0	05.0	202.2	255.2		2
54)	11450.0000-11700.0000	138.9W	139.5W	05.0	05.0	202.2	255.2		2
55)	11450.0000-11700.0000	142.8W	143.3W	05.0	05.0	207.2	257.6		2
56)	11700.0000-12200.0000	106.9W	107.5W	05.0	05.0	156.2	229.5		2
57)	11700.0000-12200.0000	108.9W	109.5W	05.0	05.0	159.0	231.8		2
58)	11700.0000-12200.0000	142.8W	143.3W	05.0	05.0	207.2	257.6		2
59)	14050.0000-14470.0000	106.9W	107.5W	05.0	05.0	156.2	229.5	9.1	2
60)	14050.0000-14470.0000	108.9W	109.5W	05.0	05.0	159.0	231.8	9.1	2
61)	14050.0000-14470.0000	138.9W	139.5W	05.0	05.0	202.2	255.2	9.1	2
62)	14050.0000-14470.0000	142.8W	143.3W	05.0	05.0	207.2	257.6	9.1	2

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 3 to HISPASAT 143W-1(S3058) satellite @ 143 degrees W.L. (Spain-licensed)
- 2) 3 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 3) 3 to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 4) 3 to AMC 2 (S2134) @ 84.85 W.L. (formerly GE-2) (U.S.-Licensed)
- 5) 3 to ANIK F1 (S3079) @ 109.2 degrees W.L. (Canada-licensed)
- 6) 3 to AMC 3 (S2162) @ 72 degrees W.L. (U.S.-licensed)
- 7) 3 to SES-10 (S2950) @ 66.9 degrees W.L. (Colombia-licensed)



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D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 8) 3 to AMC 1 (S2445) @ 130.90 degrees W.L. (U.S.-licensed)
- 9) 3 to SES-15 (S2951) @ 129.15 degrees W.L. (United Kingdom-licensed)
- 10) 3 to EUTELSAT 133 WA (S3031) @ 132.85 W.L. (France licensed)
- 11) 3 to ANIK FIR (S2674) @ 107.3 degrees W.L. (Canada-licensed)
- 12) 3 to EUTELSAT 139 WEST A (S3055) @ 139.2 degrees W.L.
- 13) 1 to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 14) 1 to HORIZONS 1 (S2475) @ 127 degrees W.L. (Japan-licensed)
- 15) 2 to SES-1 (S2807) @ 101 degrees W.L. (U.S.-licensed)
- 16) 2 to ANIK F1 (S3079) @ 109.2 degrees W.L. (Canada-licensed)
- 17) 2 to AMC 2 (S2134) @ 84.85 W.L. (formerly GE-2) (U.S.-Licensed)
- 18) 2 to AMC 3 (S2162) @ 72 degrees W.L. (U.S.-licensed)
- 19) 2 to EUTELSAT 115WB (S2938) @ 114.9 degrees W.L. (formerly SATMEX 7) (Mexico-licensed)
- 20) 2 to SES-10 (S2950) @ 66.9 degrees W.L. (Colombia-licensed)
- 21) 2 to SES-15 (S2951) @ 129.15 degrees W.L. (United Kingdom-licensed)
- 22) 2 to AMC 1 (S2445) @ 130.90 degrees W.L. (U.S.-licensed)
- 23) 2 to EUTELSAT 133 WA (S3031) @ 132.85 W.L. (France licensed)
- 24) 2 to ANIK FIR (S2674) @ 107.3 degrees W.L. (Canada-licensed)
- 25) 2 to EUTELSAT 139 WEST A (S3055) @ 139.2 degrees W.L.
- 26) 2 to HISPASAT 143W-1(S3058) satellite @ 143 degrees W.L. (Spain-licensed)

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	1000	0.6	AeroSat Avionics	70-100-0000-01		0 AGL	
	Max Gains(s):		28.6 dBi @	14.4700 GHz	31.8 dBi @	11.7000 GHz		
	Maximum total input power at antenna flange (Watts) =					10.00		
	Maximum aggregate output EIRP for all carriers (dBW) =					41.80		
2	2	1000	0.62	TECOM	Ku-Stream			
	Max Gains(s):		28.8 dBi @	14.2500 GHz	31.1 dBi @	11.2000 GHz		
	Maximum total input power at antenna flange (Watts) =					31.60		
	Maximum aggregate output EIRP for all carriers (dBW) =					43.80		



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E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (meters)	Manufacturer	Model number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
3	3	1000	0.63	QEST	Q050000			
Max Gains(s):		32.1 dBi @	11.9500 GHz	33.6 dBi @	14.2500 GHz			
Maximum total input power at antenna flange (Watts) =					25.00			
Maximum aggregate output EIRP for all carriers (dBW) =					43.80			

F) Remote Control Point:

1	One Aerojet Way North Las Vegas, Clark, NV 89030 (301) 601-7205	Call Sign: E940460
2	ONE AEROJET WAY NORTH LAS VEGAS, CLARK, NV 89030 301-601-7205	Call Sign: E940460
3	ONE AEROJET WAY NORTH LAS VEGAS, CLARK, NV 89030 301-601-7205	Call Sign: E940460

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Bureau Filing System (MyIBFS) using the "Pleadings and Comments" link on the MyIBFS homepage within 10 days of the change.

8 --- Licensee must notify the Commission when all earth stations under this authorization are no longer operational or when they have not been used to provide service during any continuous six-month period.



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H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 90062 --- Operation pursuant to this authorization outside the United States in the 14.0-14.5 GHz band must be in compliance with the provisions of Annex 1, Part C of Recommendation ITU-R M.1643, with respect to any radio astronomy station performing observations in the 14.47-14.5 GHz band.
- 90067 --- Operation in the territory or airspace of any country other than the United States must be in compliance with the applicable laws, regulations, and licensing procedures of that country, as well as with the conditions of this authorization.
- 90075 --- Licensee is afforded 30 days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
- 90079 --- ESAAAs in aircraft on the ground must not transmit at elevation angles less than three degrees. There is no minimum angle of antenna elevation for ESAAAs while airborne.
- 90081 --- All operations shall be on a non-common carrier basis.
- 90095 --- The licensee shall comply with any pertinent limits established by the International Telecommunication Union to protect other services allocated internationally.
- 90104 --- For any new antenna authorized by this grant, the licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, Site ID, date of the license and certification that the antenna model was put into operation.
- 90105 --- Authority is granted to operate this station by remote control provided that the operator is responsible for ensuring the operations are in accordance with the terms and conditions of the license and pursuant to Section 25.271 of the Commission's rules. 47 C.F.R 25.271.
- 90116 --- The licensee must maintain a U.S. point of contact available 24 hours per day, seven days per week, with the authority and ability to terminate operations authorized herein. The licensee shall have available, at all times, the technical personnel necessary to perform supervision of remote station operations.
- 90118 --- The licensee shall comply with any pertinent limits established by the International Telecommunication Union to protect other services allocated internationally.
- 90122 --- The earth stations in this blanket license are operated by remote control. The remote control point is a material term of the license and may not be changed without prior authorization under Section 25.117 of the Commission's rules. Public Notice "The International Bureau Provides Guidance Concerning the Relocation of Earth Station Remote Control Points," DA 06-978 (rel. May 4, 2006).
- 90123 --- Operations authorized pursuant to this license are operations by U.S.-registered aircraft anywhere within the coverage area/frequency bands identified in the application for the satellites listed as points of communication. Operations authorized pursuant to this license also include operations by non-U.S.-registered aircraft within U.S. territory, including territorial waters. Authorization for operations by U.S.-registered aircraft outside U.S. territory, pursuant to this license, does not constitute a grant of access to the market in the United States under the Commission's DISCO II policies.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Anuvu Licensing Holdings LLC

Call Sign: E080100

Authorization Type: Modification of License

File Number: SES-MFS-20210127-00153

Non Common Carrier

Grant date: 11/12/2021

Expiration Date: 08/05/2024

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 90247 --- ESAs authorized herein must be monitored and controlled by a ground-based network control and monitoring center. Such stations must be able to receive "enable transmission" and "disable transmission" commands from the network control center and must cease transmission immediately after receiving a "parameter change" command until receiving an "enable transmission" command from the network control center. The network control center must monitor operation of each ESAA to determine if it is malfunctioning, and each ESAA must self-monitor and automatically cease transmission on detecting an operational fault that could cause harmful interference to a fixed-satellite service network.
- 90248 --- Stations authorized herein must not be used to provide air traffic control communications.
- 90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 C.F.R. §§1.1307, 1.1308 and 1.1311)
- 90399 --- The licensee shall, at all times, take all necessary measures to ensure that operation of this (these) authorized earth station(s) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
- 90532 --- Operation pursuant to this authorization must be in compliance with the terms of coordination agreements between the relevant space station operators and operators of other Ku-band geostationary space stations within six angular degrees of those space stations. In the event that another GSO fixed-satellite service space station commences operation in the 14.0-14.5 GHz band at a location within six degrees of any of these space stations, ESAs operating pursuant to this authorization must cease transmitting to that space station unless and until such operation has been coordinated with the new space station's operator or the licensee demonstrates that such operation will not cause harmful interference to the new co-frequency space station.
- 90533 --- Operations pursuant to this license must comply with the conditions set forth in the associated space station authorizations for the additional points of communication: Eutelsat 133 WA satellite (E133WA) (Call Sign S3031) (IBFS File No. SAT-PPL-20180302-00018); SES-14 satellite (Call Sign S2974) (IBFS File No. SAT-PPL-20160918-00093).
- 90534 --- Waiver of the Table of Frequency Allocation, Section 2.106 and Footnote NG52 of the Commission's rules, 47 C.F.R. § 2.106, Footnote NG52, to permit ESAA operations with the E133WA satellite in the 11.2-11.45 GHz and 12.5-12.75 GHz frequency bands for ESAA operations, including for terminals in U.S. airspace, is granted on an unprotected basis. Operations in these bands must comply with the conditions set forth in IBFS File Nos. SAT-PPL-20180302-00018 and SAT-PPL-20160918-00093.
- 90535 --- Communications between licensee aircraft earth stations and the relevant space station must be in compliance with all existing and future space station coordination agreements reached between the space station Administration and other Administrations.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

RADIO STATION AUTHORIZATION

Anuvu Licensing Holdings LLC

Call Sign: E080100

Authorization Type: Modification of License

File Number: SES-MFS-20210127-00153

Non Common Carrier

Grant date: 11/12/2021

Expiration Date: 08/05/2024

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 90549 --- The ESAAs authorized herein must comply with the terms of the applicable space station authorization(s) as well as the Commission's rules on frequency use, including 47 CFR § 25.202, 47 CFR § 25.228, and applicable footnotes to the Table of Frequency Allocations, 47 CFR § 2.106, including NG52, NG457A, and NG527A.
- 90672 --- Operations pursuant to this license must comply with the conditions set forth in the associated space station authorizations for the additional points of communication: Anik-F1R (Call Sign S2674) (IBFS File No. SAT-PPL-20050504-00094), Anik-F1 (Call Sign S2745) (IBFS File No. SAT-PPL-20210108-00005), Eutelsat 139 West A (Call Sign S3055) (IBFS File No. SAT-PDR-20191017-00115), and Hispasat 143 W-1 (Call Sign S3058) (IBFS File No. SAT-PDR-20191205-00143).
- 90673 --- Operations pursuant to this license modification must comply with the conditions set forth in the initial earth station blanket license and all subsequent modifications or amendments to the license: IBFS File No. SES-LIC-20080508-00570 (Call Sign E080100).



UNITED STATES OF AMERICA
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RADIO STATION AUTHORIZATION

Anuvu Licensing Holdings LLC

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Grant date: 11/12/2021

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B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R. § 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.