



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: L3Harris Technologies, Inc.

Call Sign: E201999

Authorization Type: License

File Number: SES-LIC-20200506-00499

Grant Date: 2026-03-10 **Expiration Date:** 2041-03-10

Nature of Service: Fixed-Satellite Service

Class of Station: VST

A) Site Location(s):

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1	Rem-P2 1.3M	1.3M(15UNITS) , ,	0 ° 0 ' 0 " N	0 ° 0 ' 0 W	0	NAD- 83	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
2	JROC HUB	1350 Jefferson Road HUB Henrietta, Monroe, NY 14623	43 ° 5 ' 22.6 " N	77 ° 35 ' 22.2 W	152	NAD- 83	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
3	Rem-H3 2.4M	2.4M(15UNITS) , ,	0 ° 0 ' 0 " N	0 ° 0 ' 0 W	0	NAD- 83	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
4	Rem-H3 2.0M	2.0M(15UNITS) , ,	0 ° 0 ' 0 " N	0 ° 0 ' 0 W	0	NAD- 83	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
5	Rem-P2 .96M	.96M(15UNITS) , ,	0 ° 0 ' 0 " N	0 ° 0 ' 0 W	0	NAD- 83	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
6	Rem-H3 1.6M	1.6M(15UNITS) , ,	0 ° 0 ' 0 " N	0 ° 0 ' 0 W	0	NAD- 83	Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209
7	Rem-P2 .60M	.60M(15UNITS)	0 ° 0 ' 0 " N	0 ° 0 ' 0 W	0	NAD- 83	



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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 Tuesday, March 10, 2026 (3 AM Eastern Standard Time) and ending Sunday, March 10, 2041 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Wednesday, March 10, 2027. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operation

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)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1	11700 - 12200		625KG7D	Space- to-Earth			15		QPSK, Digital Data
2	11450 - 11700		625KG7D	Space- to-Earth			15		QPSK, Digital Data
3	14000 - 14500		625KG7D	Earth- to- Space	42	20.062	15		QPSK, Digital Data
4	10950 - 11200		625KG7D	Space- to-Earth			15		QPSK, Digital Data
5	11700 - 12200		4M68G7D	Space- to-Earth			1		QPSK, Digital Data
6	11450 - 11700		4M68G7D	Space- to-Earth			1		QPSK, Digital Data
7	14000 - 14500		4M68G7D	Earth- to- Space	59.6	28.918	1		QPSK, Digital Data
8	10950 - 11200		4M68G7D	Space- to-Earth			1		QPSK, Digital Data
9	11700 - 12200		625KG7D	Space- to-Earth			15		QPSK, Digital Data
10	11450 - 11700		625KG7D	Space- to-Earth			15		QPSK, Digital Data

11	14000 - 14500	625KG7D	Earth- to- Space	42	20.062	15	QPSK, Digital Data
12	10950 - 11200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
13	11450 - 11700	625KG7D	Space- to-Earth			15	QPSK, Digital Data
14	14000 - 14500	625KG7D	Earth- to- Space	42	20.062	15	QPSK, Digital Data
15	10950 - 11200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
16	11700 - 12200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
17	11450 - 11700	625KG7D	Space- to-Earth			15	QPSK, Digital Data
18	14000 - 14500	625KG7D	Earth- to- Space	42	20.062	15	QPSK, Digital Data
19	10950 - 11200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
20	11700 - 12200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
21	14000 - 14500	625KG7D	Earth- to- Space	42	20.062	15	QPSK, Digital Data
22	10950 - 11200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
23	11700 - 12200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
24	11450 - 11700	625KG7D	Space- to-Earth			15	QPSK, Digital Data
25	10950 - 11200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
26	14000 - 14500	625KG7D	Earth- to- Space	42	20.062	15	QPSK, Digital Data
27	11700 - 12200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
28	11450 - 11700	625KG7D	Space- to-Earth			15	QPSK, Digital Data
29	11700 - 12200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
30	11450 - 11700	625KG7D	Space- to-Earth			15	QPSK, Digital Data
31	14000 - 14500	625KG7D	Earth- to- Space	42	20.062	15	QPSK, Digital Data
32	10950 - 11200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
33	11700 - 12200	625KG7D	Space- to-Earth			15	QPSK, Digital Data
34	11450 - 11700	625KG7D	Space- to-Earth			15	QPSK, Digital Data

35	14000 - 14500	625KG7D	Earth- to- Space	42	20.062	15	QPSK, Digital Data
36	10950 - 11200	625KG7D	Space- to-Earth			15	QPSK, Digital Data



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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		
1	11700 - 12200	0	0	5	5	0	360		15
2	11450 - 11700	0	0	5	5	0	360		15
3	14000 - 14500	0	0	5	5	0	360	-24.5	15
4	10950 - 11200	0	0	5	5	0	360		15
5	11700 - 12200	11	139	8.262	11.948	106.477	249.58		1
6	11450 - 11700	11	139	8.262	11.948	106.477	249.58		1
7	14000 - 14500	11	139	8.262	11.948	106.477	249.58	-20.5	1
8	10950 - 11200	11	139	8.262	11.948	106.477	249.58		1
9	11700 - 12200	0	0	5	5	0	360		15
10	11450 - 11700	0	0	5	5	0	360		15
11	14000 - 14500	0	0	5	5	0	360	-29.5	15
12	10950 - 11200	0	0	5	5	0	360		15
13	11450 - 11700	0	0	5	5	0	360		15
14	14000 - 14500	0	0	5	5	0	360	-28	15
15	10950 - 11200	0	0	5	5	0	360		15
16	11700 - 12200	0	0	5	5	0	360		15
17	11450 - 11700	0	0	5	5	0	360		15
18	14000 - 14500	0	0	5	5	0	360	-22	15
19	10950 - 11200	0	0	5	5	0	360		15
20	11700 - 12200	0	0	5	5	0	360		15
21	14000 - 14500	0	0	5	5	0	360	-26	15
22	10950 - 11200	0	0	5	5	0	360		15
23	11700 - 12200	0	0	5	5	0	360		15
24	11450 - 11700	0	0	5	5	0	360		15
25	10950 - 11200	0	0	5	5	0	360		15
26	14000 - 14500	0	0	5	5	0	360	-18	15
27	11700 - 12200	0	0	5	5	0	360		15
28	11450 - 11700	0	0	5	5	0	360		15
29	11700 - 12200	0	0	5	5	0	360		15
30	11450 - 11700	0	0	5	5	0	360		15
31	14000 - 14500	0	0	5	5	0	360	-23.9	15
32	10950 - 11200	0	0	5	5	0	360		15

33	11700 - 12200	0	0	5	5	0	360		15
34	11450 - 11700	0	0	5	5	0	360		15
35	14000 - 14500	0	0	5	5	0	360	-13.5	15
36	10950 - 11200	0	0	5	5	0	360		15



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D) Points of Communications

#	Common Name	ITU Name	Orbit Location	Country	Destination Points	Permitted List
1	PERMITTED LIST					False
2	PERMITTED LIST					False
3	PERMITTED LIST					False
4	PERMITTED LIST					False
5	PERMITTED LIST					False
6	PERMITTED LIST					False
7	PERMITTED LIST					False
8	PERMITTED LIST					False
9	PERMITTED LIST					False



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E) Antenna Facilities

#	Site ID	Antenna ID	Units	Manufacturer	Model Number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	Rem-P2 1.3M	Rem-P2 1.3	15	L3Harris	GCS Panther II 1.3M	0	1.3	

Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 4.7

Maximum total input power at antenna flange(Watts): 50.621

2	JROC HUB	1 (Hub)	1	General Dynamic	SATCOM 4.8	0	6.4	
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 6.47

Maximum total input power at antenna flange(Watts): 63.3

3	Rem-H3 2.4M	Rem-H3 2.4	15	L3Harris	GCS Hawkeye III 2.4M	0	2.4	
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 1.32

Maximum total input power at antenna flange(Watts): 50.006

4	Rem-H3 2.0M	Rem-H3 2.0	15	L3Harris	GCS Hawkeye III 2.0M	0	2	
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 1.86

Maximum total input power at antenna flange(Watts): 49.995

5	Rem-P2 .96M	Rem-P2 .96	15	L3Harris	GCS Panther II .96M	0	0.96
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6	Rem-H3 1.6M	Rem-H3 1.6	15	L3Harris	GCS Hawkeye III 1.6M	0	1.6
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 2.95

Maximum total input power at antenna flange(Watts): 49.998

7	Rem-P2 .60M	Rem-P2 .60	15	L3Harris	GCS Panther II .60M	0	0.6
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 18.62

Maximum total input power at antenna flange(Watts): 50

8	Rem-H3 1.2M	Rem-H3 1.2	15	L3Harris	GCS Hawkeye III 1.2M	0	1.2
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 4.79

Maximum total input power at antenna flange(Watts): 50.003

9	Rem-Shdw .40M	Rem-Shdw	15	L3Harris	L3 Shadow	0	0.4
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 53

Maximum total input power at antenna flange(Watts): 54.143

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions.



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H) Special and General Provisions:

A) This EARTH 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 Communications Filing System (ICFS) using the "Pleadings and Comments" link on the ICFS 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.
- 90900 --- Grant of the instant application is subject to the terms and condition of all associated current or future space station authorization(s) or grant(s) of market access. Operations pursuant to the instant authorization must be consistent with the associated space station(s) authorizations(s) or grant(s) of market access.

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.