



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: DISH Broadcasting Corporation

Call Sign: E080214

Authorization Type: Modification

File Number: SES-MOD-20180723-02041

Grant Date: 2026-07-02 **Expiration Date:** 2039-01-30

Nature of Service: Fixed-Satellite Service

Class of Station: FES

A) Site Location(s):

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1	Mt. Jackson	335 Dish Drive Quicksburg, Shenandoah, VA 22847	38 ° 43 ' 22.3 " N	78 ° 39 ' 59.9 W	283.8	NAD- 83	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209



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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, January 30, 2024 (3 AM Eastern Standard Time) and ending Sunday, January 30, 2039 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Friday, July 2, 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	17790 - 17800		1M50F3D	Earth-to-Space	70.26	44.52	VAT6		Ranging Tones
2	17790 - 17800		800KG2D	Earth-to-Space	68.5	45.49	VAT6		Telecommand
3	17310 - 17790		24M0G7W	Earth-to-Space	82.3	44.52	VAT6		Compressed Digital Video and Data
4	12210 - 12690		24M0G7W	Space-to-Earth			VAT6		Compressed Digital Video and Data
5	17300 - 17310		800KG2D	Earth-to-Space	68.5	45.49	VAT6		Telecommand
6	17300 - 17310		1M50F3D	Earth-to-Space	70.26	44.52	VAT6		Ranging Tones
7	12200 - 12210		800KG2D	Space-to-Earth			VAT6		Telemetry
8	12200 -		1M50F3D	Space-			VAT6		Ranging Tones

#	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
	12210			to- Earth					
9	12690 - 12700		1M50F3D	Space- to- Earth			VAT6		Ranging Tones
10	12690 - 12700		800KG2D	Space- to- Earth			VAT6		Telemetry
11	12210 - 12690		24M0G7W	Space- to- Earth			VAT7		Compressed Digital Video and Data
12	17310 - 17790		24M0G7W	Earth- to- Space	82.3	44.52	VAT7		Compressed Digital Video and Data
13	17300 - 17310		1M50F3D	Earth- to- Space	70.26	44.52	VAT7		Ranging Tones
14	17300 - 17310		800KG2D	Earth- to- Space	68.5	45.49	VAT7		Telecommand
15	12200 - 12210		800KG2D	Space- to- Earth			VAT7		Telemetry
16	12200 - 12210		1M50F3D	Space- to- Earth			VAT7		Ranging Tones
17	17790 - 17800		800KG2D	Earth- to- Space	68.5	45.49	VAT7		Telecommand
18	17790 - 17800		1M50F3D	Earth- to- Space	70.26	44.52	VAT7		Ranging Tones
19	12690 - 12700		800KG2D	Space- to- Earth			VAT7		Telemetry
20	12690 - 12700		1M50F3D	Space- to- Earth			VAT7		Ranging Tones
21	17790 - 17800		1M50F3D	Earth- to- Space	70.26	44.52	VAT5		Ranging Tones
22	17790 - 17800		800KG2D	Earth- to- Space	68.5	45.49	VAT5		Telecommand
23	12690 - 12700		1M50F3D	Space- to- Earth			VAT5		Ranging Tones
24	12690 - 12700		800KG2D	Space- to- Earth			VAT5		Telemetry

#	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
25	12210 - 12690		24M0G7W	Space- to- Earth			VAT5		Compressed Digital Video and Data
26	17310 - 17790		24M0G7W	Earth- to- Space	82.3	44.52	VAT5		Compressed Digital Video and Data
27	12200 - 12210		1M50F3D	Space- to- Earth			VAT5		Ranging Tones
28	12200 - 12210		800KG2D	Space- to- Earth			VAT5		Telemetry
29	17300 - 17310		1M50F3D	Earth- to- Space	70.26	44.52	VAT5		Ranging Tones
30	17300 - 17310		800KG2D	Earth- to- Space	68.5	45.49	VAT5		Telecommand
31	17790 - 17800		1M50F3D	Earth- to- Space	70.26	44.52	VAT8		Ranging Tones
32	17790 - 17800		800KG2D	Earth- to- Space	68.5	45.49	VAT8		Telecommand
33	17310 - 17790		24M0G7W	Earth- to- Space	82.3	44.52	VAT8		Compressed Digital Video and Data
34	12210 - 12690		24M0G7W	Space- to- Earth			VAT8		Compressed Digital Video and Data
35	17300 - 17310		800KG2D	Earth- to- Space	68.5	45.49	VAT8		Telecommand
36	17300 - 17310		1M50F3D	Earth- to- Space	70.26	44.52	VAT8		Ranging Tones
37	12200 - 12210		800KG2D	Space- to- Earth			VAT8		Telemetry
38	12200 - 12210		1M50F3D	Space- to- Earth			VAT8		Ranging Tones
39	12690 - 12700		800KG2D	Space- to- Earth			VAT8		Telemetry
40	12690 - 12700		1M50F3D	Space- to- Earth			VAT8		Ranging Tones



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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	17790 - 17800	61W	148W	41.5	7.36	153	256.7	6.02	VAT6
2	17310 - 17790	61W	148W	41.5	7.36	153	256.7	6.02	VAT6
3	12210 - 12690	61W	148W	41.5	7.36	153	256.7		VAT6
4	17300 - 17310	61W	148W	41.5	7.36	153	256.7	6.02	VAT6
5	12200 - 12210	61W	148W	41.5	7.36	153	256.7		VAT6
6	12690 - 12700	61W	148W	41.5	7.36	153	256.7		VAT6
7	12210 - 12690	61W	148W	41.5	7.36	153	256.7		VAT7
8	17310 - 17790	61W	148W	41.5	7.36	153	256.7	6.02	VAT7
9	17300 - 17310	61W	148W	41.5	7.36	153	256.7	6.02	VAT7
10	12200 - 12210	61W	148W	41.5	7.36	153	256.7		VAT7
11	17790 - 17800	61W	148W	41.5	7.36	153	256.7	6.02	VAT7
12	12690 - 12700	61W	148W	41.5	7.36	153	256.7		VAT7
13	17790 - 17800	61W	148W	41.5	7.36	153	256.7	6.02	VAT5
14	12690 - 12700	61W	148W	41.5	7.36	153	256.7		VAT5
15	12210 - 12690	61W	148W	41.5	7.36	153	256.7		VAT5
16	17310 - 17790	61W	148W	41.5	7.36	153	256.7	6.02	VAT5
17	12200 - 12210	61W	148W	41.5	7.36	153	256.7		VAT5
18	17300 - 17310	61W	148W	41.5	7.36	153	256.7	6.02	VAT5
19	17790 - 17800	61W	148W	41.5	7.36	153	256.7	6.02	VAT8
20	17310 - 17790	61W	148W	41.5	7.36	153	256.7	6.02	VAT8
21	12210 - 12690	61W	148W	41.5	7.36	153	256.7		VAT8
22	17300 - 17310	61W	148W	41.5	7.36	153	256.7	6.02	VAT8
23	12200 - 12210	61W	148W	41.5	7.36	153	256.7		VAT8
24	12690 - 12700	61W	148W	41.5	7.36	153	256.7		VAT8



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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:

- 1) Mt. Jackson to EchoStar 11 (S2738) Non-Geo (U.S.-licensed satellite)
- 2) Mt. Jackson to EchoStar 14 GSO Non-Geo (U.S.-licensed satellite)
- 3) Mt. Jackson to EchoStar 10 (S2694) Non-Geo (U.S.-licensed satellite)
- 4) Mt. Jackson to EchoStar 25 (S00728) Non-Geo (U.S.-licensed satellite)



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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)
1	Mt. Jackson	VAT6	1	13.2	Vertex	13.2	283.8	15.5 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 1,600 Maximum aggregate output EIRP for all carriers(dBW): 97									
2	Mt. Jackson	VAT7	1	13.2	Vertex	13.2	283.8	15.5 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 1,600 Maximum aggregate output EIRP for all carriers(dBW): 97									
3	Mt. Jackson	VAT5	1	13.2	VERTEX	13.2	283.8	15.5 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 1,600 Maximum aggregate output EIRP for all carriers(dBW): 97									
4	Mt. Jackson	VAT8	1	13.2	VERTEX	13.2	283.8	15.5 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 1,600 Maximum aggregate output EIRP for all carriers(dBW): 97									

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, 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.