



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: TEGNA Broadcast Holdings, LLC
Authorization Type: Registration of a receive-only earth station

Call Sign: E210448
File Number: SES-REG-20211222-01939

Grant Date: 2026-06-30 **Expiration Date:** 2036-12-22

Nature of Service: Fixed-Satellite Service

Class of Station: b. FSS Fixed Earth Stations (multiple locations with specified coordinates)

A) Site Location(s):

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1	WOI Studio 2	3903 Westown Parkway West Des Moines, Polk, IA 50266	41 ° 35 ' 50.6 " N	93 ° 45 ' 29.4 W	294.13	NAD- 83	

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

2	WOI Studio 1	3903 Westown Parkway West Des Moines, Polk, IA 50266	41 ° 35 ' 50.5 " N	93 ° 45 ' 29.5 W	294.13	NAD- 83	
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Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

3	WOI Studio 7	3903 Westown Parkway West Des Moines, Polk, IA 50266	41 ° 35 ' 50.7 " N	93 ° 45 ' 28.7 W	294.13	NAD- 83	
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Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

4	WOI Studio 5	3903 Westown Parkway West Des Moines, Polk, IA 50266	41 ° 35 ' 50.7 " N	93 ° 45 ' 28 W	294.13	NAD- 83	
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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 registrant is registered to operate the radio facilities described below for radio communications for the term beginning Wednesday, December 22, 2021 (3 AM Eastern Standard Time) and ending Monday, December 22, 2036 (3 AM Eastern Standard Time). The required date of commencement of operation is Thursday, December 22, 2022. Registrant must file with the Commission a certification upon 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	4000 - 4200		36M0G7W	Space-to-Earth			ABC Pri		PSK, Digital Video with assoc. digital a
2	4000 - 4200		36M0G7W	Space-to-Earth			CNN		PSK, Digital Video with assoc. digital a
3	4000 - 4200		36M0G7W	Space-to-Earth			Syndic		PSK, Digital Video with assoc. digital a
4	4000 - 4200		36M0G7W	Space-to-Earth			SAT 5		PSK, Digital Video with assoc. digital a



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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	4000 - 4200	60W	143W	30.996	21.116	134.807	240.221		ABC Pri
2	4000 - 4200	60W	143W	30.996	21.116	134.807	240.221		CNN
3	4000 - 4200	60W	143W	30.996	21.116	134.807	240.221		Syndic
4	4000 - 4200	60W	143W	30.996	21.116	134.807	240.222		SAT 5



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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) WOI Studio 2 to Geo (U.S.-licensed satellite)
- 2) WOI Studio 1 to Geo (U.S.-licensed satellite)
- 3) WOI Studio 7 to Geo (U.S.-licensed satellite)
- 4) WOI Studio 5 to 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	WOI Studio 2	ABC Pri	1	7.3	Andrew	ES73-1	294.13	8.6 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 0 Maximum aggregate output EIRP for all carriers(dBW):									
2	WOI Studio 1	CNN	1	3.8	Patriot	PRT-380	294.13	3.9 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 0 Maximum aggregate output EIRP for all carriers(dBW):									
3	WOI Studio 7	Syndic	1	3.8	Patriot	PRT-380	294.13	4.4 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 0 Maximum aggregate output EIRP for all carriers(dBW):									
4	WOI Studio 5	SAT 5	1	4.5	Patriot	PRT-450	294.13	5.1 AGL / undefined AMSL	
Max Gains(s): Maximum total input power at antenna flange(Watts): 0 Maximum aggregate output EIRP for all carriers(dBW):									

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.
- 90636 --- Registration is approved since the antenna(s) were previously registered under another operator's incumbent earth station and have now been assigned to this registrant.
- 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 is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction 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.