



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Globecom License Sub LLC

Authorization Type: Modification of License

Non Common Carrier

Call Sign: E000277

File Number: SEB-MQB-20190419-00536

Grant date: 12/17/2019

Expiration Date: 09/14/2025



Nature of Service: Fixed Satellite Service

Class of Station: VSAT Network

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
1)	REMOTE 1	45 OSER AVE. (100 UNITS 1.8M.) HAUPPAUGE, SUFFOLK, NY 11788 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				NA
2)	REMOTE2	45 OSER AVE. (2000 UNITS 1.2M) HAUPPAUGE, SUFFOLK, NY 11788 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				NA
3)	REMOTE3	45 OSER AVE. (500 UNITS 1.2M) HAUPPAUGE, SUFFOLK, NY 11788 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				NA
4)	REMOTE4	45 OSER AVE. (25 UNITS 1.2M) HAUPPAUGE, SUFFOLK, NY 11788 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				NA
5)	REMOTE5	45 OSER AVE. (25 UNITS 1.2M) HAUPPAUGE, SUFFOLK, NY 11788 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				NA
6)	REMOTE6	45 OSER AVE. (25 UNITS 1.2M) HAUPPAUGE, SUFFOLK, NY 11788 Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209				NA



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A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (Refer to Section H)
7)	REMOTE7	45 OSER AVE. (25 UNITS 1.2M) HAUPPAUGE, SUFFOLK, NY 11788				NA

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

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 September 14, 2010 (3 AM Eastern Standard Time) and ending September 14, 2025 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is December 17, 2020 (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)	14000.0000-14500.0000	H,V	307KG7D	Tx	51.35	32.50	Remotel		DIGITAL, QPSK, FEC 3/4 / data service
2)	14000.0000-14500.0000	H,V	77K0G7D	Tx	45.34	32.50	Remotel		DIGITAL, QPSK, FEC 3/4 / data service
3)	11700.0000-12200.0000	H,V	307KG7D	Rx			Remotel		DIGITAL, QPSK, FEC 3/4 / data service
4)	11700.0000-12200.0000	H,V	77K0G7D	Rx			Remotel		DIGITAL, QPSK, FEC 3/4 / data service
5)	14000.0000-14500.0000	H,V	77K0G7D	Tx	45.34	32.50	RemotelA		DIGITAL, QPSK, FEC 3/4 / data service
6)	14000.0000-14500.0000	H,V	307KG7D	Tx	51.35	32.50	RemotelA		DIGITAL, QPSK, FEC 3/4 / data service
7)	11700.0000-12200.0000	H,V	307KG7D	Rx			RemotelA		DIGITAL, QPSK, FEC 3/4 / data service
8)	11700.0000-12200.0000	H,V	77K0G7D	Rx			RemotelA		DIGITAL, QPSK, FEC 3/4 / data service



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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	
9)	14000.0000-14500.0000	H, V	2M00G7D	Tx	48.07	21.08	Remote2		DIGITAL, service	QPSK data
10)	14000.0000-14500.0000	H, V	500KG7D	Tx	48.07	27.10	Remote2		DIGITAL, service	QPSK data
11)	11700.0000-12200.0000	H, V	2M00G7D	Rx			Remote2		DIGITAL, service	QPSK data
12)	11700.0000-12200.0000	H, V	500KG7D	Rx			Remote2		DIGITAL, service	QPSK data
13)	14000.0000-14500.0000	H, V	2M00G7D	Tx	55.04	28.05	Remote3		DIGITAL, service	QPSK data
14)	14000.0000-14500.0000	H, V	500KG7D	Tx	49.97	29.00	Remote3		DIGITAL, service	QPSK data
15)	11700.0000-12200.0000	H, V	2M00G7D	Rx			Remote3		DIGITAL, service	QPSK data
16)	11700.0000-12200.0000	H, V	500KG7D	Rx			Remote3		DIGITAL, service	QPSK data
17)	14000.0000-14500.0000	H, V	2M00G7D	Tx	56.09	28.05	Remote4		DIGITAL, service	QPSK data
18)	14000.0000-14500.0000	H, V	500KG7D	Tx	50.07	29.10	Remote4		DIGITAL, service	QPSK data
19)	11700.0000-12200.0000	H, V	2M00G7D	Rx			Remote4		DIGITAL, service	QPSK data
20)	11700.0000-12200.0000	H, V	500KG7D	Rx			Remote4		DIGITAL, service	QPSK data
21)	14000.0000-14500.0000	H, V	2M00G7D	Tx	56.09	29.10	Remote5		DIGITAL, service	QPSK data
22)	14000.0000-14500.0000	H, V	500KG7D	Tx	50.07	29.10	Remote5		DIGITAL, service	QPSK data
23)	11700.0000-12200.0000	H, V	2M00G7D	Rx			Remote5		DIGITAL, service	QPSK data
24)	11700.0000-12200.0000	H, V	500KG7D	Rx			Remote5		DIGITAL, service	QPSK data
25)	14000.0000-14500.0000	H, V	2M00G7D	Tx	55.14	28.15	Remote6		DIGITAL, service	QPSK data
26)	14000.0000-14500.0000	H, V	500KG7D	Tx	50.07	29.10	Remote6		DIGITAL, service	QPSK data



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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	
27)	11700.0000-12200.0000	H, V	2M00G7D	Rx			Remote6		DIGITAL, service	QPSK data
28)	11700.0000-12200.0000	H, V	500KG7D	Rx			Remote6		DIGITAL, service	QPSK data
29)	14000.0000-14500.0000	H, V	2M00G7D	Tx	56.39	29.40	Remote7		DIGITAL, service	QPSK data
30)	14000.0000-14500.0000	H, V	500KG7D	Tx	50.37	29.40	Remote7		DIGITAL, service	QPSK data
31)	11700.0000-12200.0000	H, V	2M00G7D	Rx			Remote7		DIGITAL, service	QPSK data
32)	11700.0000-12200.0000	H, V	500KG7D	Rx			Remote7		DIGITAL, service	QPSK data

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)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote1
2)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote1
3)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0				Remote1A
4)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0				Remote1A
5)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0			-4.67	Remote2
6)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote2
7)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0			-2.47	Remote3
8)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote3
9)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0			-2.47	Remote4
10)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote4
11)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote5
12)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0			-2.47	Remote5
13)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote6
14)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0			-2.47	Remote6
15)	14000.0000-14500.0000	60.0W	143.0W	05.0	05.0			-2.47	Remote7
16)	11700.0000-12200.0000	60.0W	143.0W	05.0	05.0				Remote7



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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) REMOTE 1 to Permitted Space Station List
- 2) REMOTE 1 to ANIK E1 @ 118.7 degrees W.L. (Canada-licensed)
- 3) REMOTE 1 to ANIK E2 (S2597) @ 111.1 degrees W.L. (Canada-licensed)
- 4) REMOTE2 to Permitted Space Station List
- 5) REMOTE3 to Permitted Space Station List
- 6) REMOTE4 to Permitted Space Station List
- 7) REMOTE5 to Permitted Space Station List
- 8) REMOTE6 to Permitted Space Station List
- 9) REMOTE7 to Permitted Space Station List

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)
REMOTE 1	Remotel	50	1.8	PRODELIN	1189			2325 3415
Max Gains(s): 46.6 dBi @ 14.0000 GHz 45.0 dBi @ 12.0000 GHz								
Maximum total input power at antenna flange (Watts) =					4.00			
Maximum aggregate output EIRP for all carriers (dBW) =					52.62			
REMOTE 1	RemotelA	50	1.8	PRODELIN	1184			2325 3415
Max Gains(s): 46.6 dBi @ 14.0000 GHz 45.0 dBi @ 12.0000 GHz								
Maximum total input power at antenna flange (Watts) =					4.00			
Maximum aggregate output EIRP for all carriers (dBW) =					52.62			
REMOTE2	Remote2	2000	1.2	PRODELIN	1132		1.7 AGL	
Max Gains(s): 41.4 dBi @ 12.0000 GHz 43.3 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) =					3.00			
Maximum aggregate output EIRP for all carriers (dBW) =					48.07			
REMOTE3	Remote3	500	1.2	PRODELIN	1134		1.7 AGL	
Max Gains(s): 41.5 dBi @ 12.0000 GHz 43.0 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) =					16.00			
Maximum aggregate output EIRP for all carriers (dBW) =					55.04			



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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)
REMOTE4	Remote4	25	1.2	AVL TECHNOLOGIES	1098FA		1.7 AGL	
Max Gains(s): 41.6 dBi @ 12.0000 GHz 43.1 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) = 55.00								
Maximum aggregate output EIRP for all carriers (dBW) = 60.50								
REMOTE5	Remote5	25	1.2	AVL TECHNOLOGIES	1098FA		1.7 AGL	
Max Gains(s): 41.6 dBi @ 12.0000 GHz 43.1 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) = 25.00								
Maximum aggregate output EIRP for all carriers (dBW) = 57.08								
REMOTE6	Remote6	25	1.2	AVL TECHNOLOGIES	1098FA		1.7 AGL	
Max Gains(s): 41.6 dBi @ 12.0000 GHz 43.1 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) = 16.00								
Maximum aggregate output EIRP for all carriers (dBW) = 55.14								
REMOTE7	Remote7	25	1.2	SAT-LITE TECHNOLOGIES	1247		1.7 AGL	
Max Gains(s): 41.6 dBi @ 12.0000 GHz 43.4 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) = 25.00								
Maximum aggregate output EIRP for all carriers (dBW) = 57.38								

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.
- 6 --- Licensee must comply with the license modification and notification requirements of 47 CFR § 25.118 to change the coordinates of its authorized earth station.



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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:

8 --- Licensee must notify the Commission when all earth stations operating under this authorization are no longer operational or when they have not been used to provide any service during any 6-month operation.

2325 --- Antennas and all antenna supporting structures used under this authorization shall not exceed 20 feet in height.

3415 --- The licensee shall take extraordinary measures to ensure that antenna does not create potential exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Antenna shall be surrounded by a physical barrier or fence at least 2 meters tall with a locked gate, to prevent human exposure in excess of the FCC-specified safety limit of 1 mW/cm². Warning signs, such as those discussed in the FCC's OET Bulletin 65, shall be posted informing members of the public to keep outside the physical barrier or the locked area.

3453 --- This authorization is subject to the continuance in force of the "protocol concerning the transmission and reception of signals from satellites for the provision of Direct-to-Home Satellites Television Services in the United States of America and the United Mexican States" signed on November 8, 1996, and "protocol concerning the transmission and reception of signals from satellites for the provision of fixed-satellites services in the United States of America and the United Mexican States" signed on October 16, 1997.

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.

90405 --- Operations with PERMITTED LIST satellite must comply with §25.212 levels and operations above these levels must coordinate with satellite operators prior to operations.



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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:

900407 --- The Permitted Space Station List (Permitted List) is a list of all geostationary space stations providing fixed-satellite service pursuant to a Commission license or grant of U.S. market access. The Permitted List currently includes the following frequency bands per §25.103 and §25.115(k)(1):

- 3600-4200 MHz (space-to-Earth)
- 5850-6725 MHz (Earth-to-space)
- 10.95-11.2 GHz (space-to-Earth)
- 11.45-12.2 GHz (space-to-Earth)
- 13.75-14.5 GHz (Earth-to-space)
- 18.3-18.8 GHz (space-to-Earth)
- 19.7-20.2 GHz (space-to-Earth)
- 24.75-25.25 GHz (Earth-to-space)
- 28.35-28.6 GHz (Earth-to-space)
- 29.25-30.0 GHz (Earth-to-space).

Earth stations with "Permitted List" designated as a point of communication may access any space station on the Permitted List, provided the operations comply with the applicable "routine" uplink and downlink limits, are within the specific frequency bands authorized in the earth station license, have completed coordination with terrestrial stations pursuant to §25.203, and otherwise comply with all terms and conditions of both the earth station license and the space station grant.

900409 --- Access to satellite networks of Canada shall be in compliance with the satellite coordination agreements reached between the administration of the United States and Canada



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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.