



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Globecom License Sub LLC

Call Sign: E020288

Authorization Type: Modification of License

File Number: SES-MOD-20180918-02755

Non Common Carrier

Grant date: 07/10/2019

Expiration Date: 12/10/2032



Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1)	1	9898 BREWERS COURT LAUREL, HOWARD, MD 20723	39°6'45.5"N	76°49'58.0"W	73.2	83	

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 December 10, 2017 (3 AM Eastern Standard Time) and ending December 10, 2032 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is July 10, 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	36M0G7W	Tx	79.00	39.50	GSM-11		DIGITAL AUDIO, VIDEO, AND DATA
2)	14000.0000-14500.0000	H,V	500KG7W	Tx	60.50	39.50	GSM-11		DIGITAL AUDIO, VIDEO, AND DATA
3)	11700.0000-12200.0000	H,V	36M0G7W	Rx			GSM-11		DIGITAL AUDIO, VIDEO, AND DATA
4)	11700.0000-12200.0000	H,V	500KG7W	Rx			GSM-11		DIGITAL AUDIO, VIDEO, AND DATA
5)	14000.0000-14500.0000	H,V	36M0G7W	Tx	74.20	34.70	GSM-12		DIGITAL VIDEO, AUDIO, AND DATA
6)	14000.0000-14500.0000	H,V	1M23G7W	Tx	64.10	39.20	GSM-12		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES TO 1544 KBPS



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7)	14000.0000-14500.0000	H,V	51K2G7W	Tx	50.27	39.20	GSM-12		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES FROM 64 KBPS
8)	11700.0000-12200.0000	H,V	36M0G7W	Rx			GSM-12		DIGITAL VIDEO, AUDIO, AND DATA
9)	11700.0000-12200.0000	H,V	1M23G7W	Rx			GSM-12		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES TO 1544 KBPS
10)	11700.0000-12200.0000	H,V	51K2G7W	Rx			GSM-12		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES FROM 64 KBPS
11)	14000.0000-14500.0000	H,V	36M0G7W	Tx	82.60	43.10	GSM-13		DIGITAL VIDEO, AUDIO, AND DATA
12)	14000.0000-14500.0000	H,V	578KG7W	Tx	64.70	43.10	GSM-13		DIGITAL VIDEO, AUDIO, AND DATA
13)	14000.0000-14500.0000	H,V	1M23G7W	Tx	68.00	43.10	GSM-13		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES TO 1544 KBPS
14)	14000.0000-14500.0000	H,V	51K2G7W	Tx	54.17	43.10	GSM-13		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES FROM 64 KBPS
15)	13750.0000-14500.0000	H,V	36M0G7W	Tx	78.10	38.60	GSM-13		DIGITAL COMPRESSED VIDEO
16)	13750.0000-14000.0000	H,V	3M00G2D	Tx	67.40	38.60	GSM-13		DIGITAL DATA
17)	13750.0000-14000.0000	H,V	578KG7D	Tx	60.20	38.60	GSM-13		DIGITAL DATA
18)	13750.0000-14000.0000	H,V	615KG2D	Tx	60.50	38.60	GSM-13		DIGITAL DATA
19)	11700.0000-12200.0000	H,V	1M23G7W	Rx			GSM-13		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES TO 1544 KBPS
20)	11700.0000-12200.0000	H,V	51K2G7W	Rx			GSM-13		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES FROM 64 KBPS
21)	11450.0000-12200.0000	H,V	36M0G7W	Rx			GSM-13		DIGITAL VIDEO, AUDIO, AND DATA
22)	11450.0000-12200.0000	H,V	578KG7W	Rx			GSM-13		DIGITAL VIDEO, AUDIO, AND DATA



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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
23)	10950.0000-11200.0000	H, V	36M0G7W	Rx			GSM-13		DIGITAL VIDEO, AUDIO, AND DATA
24)	10950.0000-11200.0000	H, V	578KG7W	Rx			GSM-13		DIGITAL VIDEO, AUDIO, AND DATA
25)	14000.0000-14500.0000	H, V	30M5G7W	Tx	79.90	41.10	GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
26)	14000.0000-14500.0000	H, V	36M0G7W	Tx	78.10	38.60	GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
27)	14000.0000-14500.0000	H, V	3M40G7W	Tx	70.40	41.10	GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
28)	14000.0000-14500.0000	H, V	44K0G7W	Tx	51.50	41.10	GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
29)	14000.0000-14500.0000	H, V	461KG7W	Tx	61.70	41.10	GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
30)	11700.0000-12200.0000	H, V	30M5G7W	Rx			GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
31)	11700.0000-12200.0000	H, V	36M0G7W	Rx			GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
32)	11700.0000-12200.0000	H, V	3M40G7W	Rx			GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
33)	11700.0000-12200.0000	H, V	44K0G7W	Rx			GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
34)	11700.0000-12200.0000	H, V	461KG7W	Rx			GSM-14		DIGITAL AUDIO, VIDEO, AND DATA
35)	14000.0000-14500.0000	H, V, L, R	1M23G7W	Tx	64.07	39.20	GSM-15		DIGITAL DATA CARRIERS
36)	14000.0000-14500.0000	H, V, L, R	51K2G7W	Tx	50.27	39.20	GSM-15		DIGITAL DATA CARRIERS
37)	14000.0000-14500.0000	H, V, L, R	578KG7W	Tx	60.79	39.20	GSM-15		DIGITAL DATA CARRIERS
38)	14000.0000-14500.0000	H, V, L, R	36M0G7W	Tx	74.16	37.40	GSM-15		DIGITAL VIDEO CARRIERS
39)	11450.0000-12750.0000	H, V, L, R	1M23G7W	Rx			GSM-15		DIGITAL DATA CARRIERS
40)	11450.0000-12750.0000	H, V, L, R	51K2G7W	Rx			GSM-15		DIGITAL DATA CARRIERS
41)	11450.0000-12750.0000	H, V, L, R	578KG7W	Rx			GSM-15		DIGITAL DATA CARRIERS
42)	11450.0000-12750.0000	H, V, L, R	36M0G7W	Rx			GSM-15		DIGITAL VIDEO CARRIERS



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#	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
43)	10950.0000-11200.0000	H, V, L, R	1M23G7W	Rx			GSM-15		DIGITAL DATA CARRIERS
44)	10950.0000-11200.0000	H, V, L, R	51K2G7W	Rx			GSM-15		DIGITAL DATA CARRIERS
45)	10950.0000-11200.0000	H, V, L, R	578KG7W	Rx			GSM-15		DIGITAL DATA CARRIERS
46)	10950.0000-11200.0000	H, V, L, R	36M0G7W	Rx			GSM-15		DIGITAL VIDEO CARRIERS
47)	14000.0000-14500.0000	H, V, L, R	1M23G7W	Tx	62.07	37.20	GSM-16		DIGITAL DATA CARRIERS
48)	14000.0000-14500.0000	H, V, L, R	51K2G7W	Tx	48.27	37.20	GSM-16		DIGITAL DATA CARRIERS
49)	14000.0000-14500.0000	H, V, L, R	578KG7W	Tx	58.79	37.20	GSM-16		DIGITAL DATA CARRIERS
50)	14000.0000-14500.0000	H, V, L, R	36M0G7W	Tx	76.74	37.20	GSM-16		DIGITAL VIDEO CARRIERS
51)	13750.0000-14000.0000	H, V, L, R	36M0G7W	Tx	76.74	37.20	GSM-16		DIGITAL VIDEO CARRIERS
52)	11450.0000-12750.0000	H, V, L, R	1M23G7W	Rx			GSM-16		DIGITAL DATA CARRIERS
53)	11450.0000-12750.0000	H, V, L, R	51K2G7W	Rx			GSM-16		DIGITAL DATA CARRIERS
54)	11450.0000-12750.0000	H, V, L, R	578KG7W	Rx			GSM-16		DIGITAL DATA CARRIERS
55)	11450.0000-12750.0000	H, V, L, R	36M0G7W	Rx			GSM-16		DIGITAL VIDEO CARRIERS
56)	10950.0000-11200.0000	H, V, L, R	1M23G7W	Rx			GSM-16		DIGITAL DATA CARRIERS
57)	10950.0000-11200.0000	H, V, L, R	51K2G7W	Rx			GSM-16		DIGITAL DATA CARRIERS
58)	10950.0000-11200.0000	H, V, L, R	578KG7W	Rx			GSM-16		DIGITAL DATA CARRIERS
59)	10950.0000-11200.0000	H, V, L, R	36M0G7W	Rx			GSM-16		DIGITAL VIDEO CARRIERS
60)	14000.0000-14500.0000	H, V	36M0G7W	Tx	86.50	47.00	GSM-5		DIGITAL AUDIO, VIDEO, AND DATA
61)	14000.0000-14500.0000	H, V	500KG7W	Tx	68.00	47.00	GSM-5		DIGITAL AUDIO, VIDEO, AND DATA
62)	11700.0000-12200.0000	H, V	36M0G7W	Rx			GSM-5		DIGITAL AUDIO, VIDEO, AND DATA
63)	11700.0000-12200.0000	H, V	500KG7W	Rx			GSM-5		DIGITAL AUDIO, VIDEO, AND DATA
64)	14000.0000-14500.0000	H, V	36M0G7W	Tx	82.60	43.10	GSM-6		DIGITAL VIDEO, AUDIO, AND DATA



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65)	14000.0000-14500.0000	H, V	578KG7W	Tx	64.70	43.10	GSM-6		DIGITAL VIDEO, AUDIO, AND DATA
66)	14000.0000-14500.0000	H, V	1M23G7W	Tx	68.00	43.10	GSM-6		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES TO 1544 KBPS
67)	14000.0000-14500.0000	H, V	51K2G7W	Tx	54.17	43.10	GSM-6		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES FROM 64 KBPS
68)	13750.0000-14500.0000	H, V	36M0G7W	Tx	78.10	38.60	GSM-6		DIGITAL COMPRESSED VIDEO
69)	13750.0000-14000.0000	H, V	3M00G2D	Tx	67.40	38.60	GSM-6		DIGITAL DATA
70)	13750.0000-14000.0000	H, V	578KG7D	Tx	60.20	38.60	GSM-6		DIGITAL DATA
71)	13750.0000-14000.0000	H, V	615KG2D	Tx	60.50	38.60	GSM-6		DIGITAL DATA
72)	11700.0000-12200.0000	H, V	1M23G7W	Rx			GSM-6		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES TO 1544 KBPS
73)	11700.0000-12200.0000	H, V	51K2G7W	Rx			GSM-6		DIGITAL QPSK, 3/4 FEC, VARIOUS DATA RATES FROM 64 KBPS
74)	11450.0000-12200.0000	H, V	36M0G7W	Rx			GSM-6		DIGITAL VIDEO, AUDIO, AND DATA
75)	11450.0000-12200.0000	H, V	578KG7W	Rx			GSM-6		DIGITAL VIDEO, AUDIO, AND DATA
76)	10950.0000-11200.0000	H, V	36M0G7W	Rx			GSM-6		DIGITAL VIDEO, AUDIO, AND DATA
77)	10950.0000-11200.0000	H, V	578KG7W	Rx			GSM-6		DIGITAL VIDEO, AUDIO, AND DATA
78)	14000.0000-14500.0000	H, V	36M0G7W	Tx	81.73	42.19	GSM-7		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
79)	14000.0000-14500.0000	H, V	51K2G7W	Tx	53.26	42.19	GSM-7		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
80)	13780.0000-14000.0000	H, V	36M0G7W	Tx	81.70	42.20	GSM-7		DIGITAL AUDIO, VIDEO, AND DATA
81)	13750.0000-14000.0000	H, V	36M0G7W	Tx	75.90	37.20	GSM-7		DIGITAL AUDIO, VIDEO, AND DATA



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82)	13750.0000-14000.0000	H, V	700KG7W	Tx	68.20	45.80	GSM-7		DIGITAL AUDIO, VIDEO, AND DATA
83)	11700.0000-12200.0000	H, V	36M0G7W	Rx			GSM-7		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
84)	11700.0000-12200.0000	H, V	51K2G7W	Rx			GSM-7		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
85)	14000.0000-14500.0000	H, V	36M0G7W	Tx	81.73	42.19	GSM-8		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
86)	14000.0000-14500.0000	H, V	51K2G7W	Tx	53.26	42.19	GSM-8		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
87)	11700.0000-12200.0000	H, V	36M0G7W	Rx			GSM-8		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
88)	11700.0000-12200.0000	H, V	51K2G7W	Rx			GSM-8		DIGITAL, VARIOUS MODULATION, VARIOUS FEC RATE, VARIOUS DATA RATES
89)	14000.0000-14500.0000	H, V	1M54G7W	Tx	61.10	35.20	GSM-9		DIGITAL AUDIO, VIDEO, AND DATA
90)	14000.0000-14500.0000	H, V	36M0G7W	Tx	70.20	30.70	GSM-9		DIGITAL AUDIO, VIDEO, AND DATA
91)	14000.0000-14500.0000	H, V	51K2G7W	Tx	46.30	35.20	GSM-9		DIGITAL AUDIO, VIDEO, AND DATA
92)	14000.0000-14500.0000	H, V	6M10G7W	Tx	64.00	32.20	GSM-9		DIGITAL AUDIO, VIDEO, AND DATA
93)	11700.0000-12200.0000	H, V	1M54G7W	Rx			GSM-9		DIGITAL AUDIO, VIDEO, AND DATA
94)	11700.0000-12200.0000	H, V	36M0G7W	Rx			GSM-9		DIGITAL AUDIO, VIDEO, AND DATA
95)	11700.0000-12200.0000	H, V	51K2G7W	Rx			GSM-9		DIGITAL AUDIO, VIDEO, AND DATA
96)	11700.0000-12200.0000	H, V	6M10G7W	Rx			GSM-9		DIGITAL AUDIO, VIDEO, AND 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)	14000.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.2	GSM-6
2)	11700.0000-12200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-6
3)	13750.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-23	GSM-6
4)	11450.0000-12200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-6
5)	10950.0000-11200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-6
6)	14000.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.2	GSM-12
7)	11700.0000-12200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-12
8)	14000.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-9.3	GSM-7
9)	11700.0000-12200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-7
10)	13750.0000-14000.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.3	GSM-7
11)	13780.0000-14000.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.3	GSM-7
12)	14000.0000-14500.0000	5.0W	143.0W	05.3	09.7	101.7	254.4	-0.7	GSM-14
13)	11700.0000-12200.0000	5.0W	143.0W	05.3	09.7	101.7	254.4		GSM-14
14)	14000.0000-14500.0000	5.0W	143.0W	05.3	09.7	101.7	254.4	-0.7	GSM-9
15)	11700.0000-12200.0000	5.0W	143.0W	05.3	09.7	101.7	254.4		GSM-9
16)	14000.0000-14500.0000	5.0W	143.0W	05.3	09.7	101.7	254.4	-0.071	GSM-5
17)	11700.0000-12200.0000	5.0W	143.0W	05.3	09.7	101.7	254.4		GSM-5
18)	14000.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-9.3	GSM-8
19)	11700.0000-12200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-8
20)	14000.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.2	GSM-13
21)	11700.0000-12200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-13
22)	13750.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-13
23)	11450.0000-12200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-23	GSM-13
24)	10950.0000-11200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-13
25)	14000.0000-14500.0000	5.0W	143.0W	05.3	09.7	101.7	254.4	-0.7	GSM-11
26)	11700.0000-11200.0000	5.0W	143.0W	05.3	09.7	101.7	254.4		GSM-11
27)	14000.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.1	GSM-15
28)	11450.0000-12750.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-15
29)	10950.0000-11200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-15
30)	13750.0000-14000.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.7	GSM-16
31)	14000.0000-14500.0000	15.0W	143.0W	13.0	09.7	108.7	254.4	-6.7	GSM-16
32)	10950.0000-11200.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-16
33)	11450.0000-12750.0000	15.0W	143.0W	13.0	09.7	108.7	254.4		GSM-16



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RADIO STATION AUTHORIZATION

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Call Sign: E020288

Authorization Type: Modification of License

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Non Common Carrier

Grant date: 07/10/2019

Expiration Date: 12/10/2032

D) Points of Communications

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

- 1) 1 to Telstar 12 (S2462) @ 109.2 W.L. (U.S.-licensed)
- 2) 1 to Permitted Space Station List
- 3) 1 to TELSTAR 11N (S2357) @ 37.55 degrees W.L. (U.S.-licensed)
- 4) 1 to AMC 21 (S2676) @ 124.9 degrees W.L. (United Kingdom-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	GSM-11	1	3.8	PATRIOT ANT. SYSTEMS	3.8M.	73.2	4.8 AGL/ 77.2 AMSL	
	Max Gains(s): 53.5 dBi @ 14.2500 GHz 51.8 dBi @ 11.9500 GHz							
	Maximum total input power at antenna flange (Watts) = 400.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 79.50							
1	GSM-12	1	3.8	PRODELIN CORP.	1383	73.2	4.8 AGL/ 77.2 AMSL	
	Max Gains(s): 53.2 dBi @ 14.0000 GHz 51.7 dBi @ 12.0000 GHz							
	Maximum total input power at antenna flange (Watts) = 400.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 79.50							
1	GSM-13	1	5.6	ANDREW CORP.	ES56	73.2	6.6 AGL/ 79 AMSL	
	Max Gains(s): 57.1 dBi @ 14.0000 GHz 55.7 dBi @ 12.0000 GHz							
	Maximum total input power at antenna flange (Watts) = 650.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.23							
1	GSM-14	1	4.9	ASC SIGNAL	4.9M.	73.2	5.5 AGL/ 77.9 AMSL	
	Max Gains(s): 55.1 dBi @ 14.2500 GHz 53.2 dBi @ 11.9500 GHz							
	Maximum total input power at antenna flange (Watts) = 200.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 78.10							
1	GSM-15	1	3.8	PRODELIN	1383	73.2	3.8 AGL/ 76.2 AMSL	
	Max Gains(s): 51.7 dBi @ 11.9500 GHz 53.2 dBi @ 14.2500 GHz							
	Maximum total input power at antenna flange (Watts) = 125.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 74.16							



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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	GSM-16	4	4	ASC SIGNAL	ES40KM-1	73.2	4 AGL/ 76.4 AMSL	
	Max Gains(s): 49.0 dBi @ 11.9500 GHz 51.2 dBi @ 14.2500 GHz							
	Maximum total input power at antenna flange (Watts) = 400.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 77.22							
1	GSM-5	1	9.4	ASC SIGNAL	9.4M	73.2	11 AGL/ 83.42 AMSL	
	Max Gains(s): 59.3 dBi @ 11.9500 GHz 61.0 dBi @ 14.2500 GHz							
	Maximum total input power at antenna flange (Watts) = 650.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 89.10							
1	GSM-6	1	5.6	ANDREW CORP.	ES56	73.2	6.6 AGL/ 79 AMSL	
	Max Gains(s): 57.1 dBi @ 14.0000 GHz 55.7 dBi @ 12.0000 GHz							
	Maximum total input power at antenna flange (Watts) = 750.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.85							
1	GSM-7	1	7.6	ANDREW CORP.	ES76K-1	73.2	8.6 AGL/ 81 AMSL	
	Max Gains(s): 59.9 dBi @ 14.2500 GHz 57.7 dBi @ 11.9500 GHz							
	Maximum total input power at antenna flange (Watts) = 400.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.90							
1	GSM-8	1	7.6	ANDREW CORP.	ES76K-1	73.2	8.6 AGL/ 81 AMSL	
	Max Gains(s): 59.9 dBi @ 14.2500 GHz 57.7 dBi @ 11.9500 GHz							
	Maximum total input power at antenna flange (Watts) = 400.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.90							
1	GSM-9	1	2.4	PRODELIN CORP.	1214	73.2	3.5 AGL/ 75.9 AMSL	
	Max Gains(s): 49.2 dBi @ 14.2500 GHz 47.4 dBi @ 11.9500 GHz							
	Maximum total input power at antenna flange (Watts) = 125.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 70.20							



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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.
- 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.
- 385 --- The use of the band 10.7-11.7 GHz (Space-to-Earth) and 12.75-13.25 GHz (Earth-to-Space) by the fixed-satellite service in the geostationary satellite orbit shall be limited to international systems, i.e. other than domestic systems. (NG52)
- 2544 --- In regards to the use of 13.75-14.0 GHz band, the user must provide the NAVAL ELECTROMAGNETIC SPECTRUM CENTER (703-325-2750) a 24hr phone number which would be contacted when National Defense and US Naval Operation requirements necessitate immediate cessation of operations. The licensee is aware that they would be required to temporarily cease satellite operations on these frequencies until notified otherwise.
- 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.
- 90500 --- Prior to activation, applicant must coordinate with the NASA TDRSS earth station at Blossom Point, MD.



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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:

90501 --- Globecom must confirm that its Network Operating Center (NOC) 24hr x 7 days telephone number is (240) 553-9401 with Blossom Point, MD, Navy frequency manager, Bob Swartz 301-227-6690 Email: robert.swartz@nrl.navy.mil and that it is aware that it must immediately cease operations in the 13.75-14.00 GHZ frequency band until notified otherwise by NATIONAL DEFENSE or US NAVAL OPERATIONS.

90502 --- This assignment is in support of the FCC authorized Telstar satellite constellation.

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.



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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 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 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.