

Exhibit A & F: Questions 42a and 43, Public Interest Statement, &
Request to Split License

By this application, STM Networks, Inc. (“STM”) and NSSL Global LLC (“NSSL”) (collectively, the “Parties”) respectfully request consent from the Commission for STM to assign to NSSL its existing authorization to operate earth station/VSAT facilities in Jacksonville, FL. The Parties desire to consummate the transaction by November 1, 2011.

NSSL and STM have reached an agreement whereby NSSL will acquire ownership and control of STM’s Jacksonville facilities at the end of the current lease term, for nominal consideration. NSSL will utilize the Jacksonville facilities to provide broadband services. NSSL currently leases capacity on the Jacksonville facilities from STM, and is STM’s only customer for these facilities. The Jacksonville facilities do not provide service to U.S. government users.

These facilities are currently licensed by STM under call sign E070026, which license also includes authorization for STM to operate additional facilities in Irvine, CA. Ownership and control of STM’s Irvine facilities are not being assigned to NSSL as part of this transaction, and STM will continue to operate the Irvine facilities pursuant to the Commission’s existing authorization.

After consultation with Commission staff, the Parties request that the assignment be completed in two steps in order to enable a seamless transition of the Jacksonville facilities from STM to NSSL and to enable STM to continue to operate its Irvine facilities. First, the Parties request that the Commission split the license for E070026, pursuant to the information below, such that STM’s Irvine facilities will remain on license E070026 (“Irvine License”) and the Jacksonville facilities will be listed on a separate license with a new call sign (“Jacksonville License”). None of the technical parameters by which these two facilities are currently licensed and authorized will be modified as part of this process. Second, the Parties request that the Commission then assign the Jacksonville License from STM to NSSL. At the conclusion of this process, STM will continue to hold the license for E070026, which will authorize STM’s existing Irving operations, and NSSL will hold the Jacksonville License. The Jacksonville facilities will no longer be listed on call sign E070026.

The proposed split of STM’s current authorization and the assignment of the Jacksonville License to NSSL will serve the public interest, convenience, and necessity. Grant of the requested consent will ensure that there are adequate resources to support the continued operation of the Jacksonville facilities, which will provide valuable broadband services to commercial customers. The facilities will continue to communicate with non-U.S. licensed satellites only to the extent already authorized by the Commission.

If any questions arise regarding this request, please contact either Jennifer Richter (202-457-5666) or Ryan King (202-457-5312) at the law firm of Patton Boggs.

Splitting the License for E070026

As mentioned above, the parties request that the Commission split the license for E070026 and only assign the authorization for the Jacksonville facilities to NSSL. Below is a step-by-step

explanation of the process for splitting the license. Also attached to this exhibit is a copy of the existing license for E070026 with each technical parameter marked to indicate which parameters should be listed on each license. Some parameters will be listed on both licenses, but none of the parameters will be modified from that which is currently authorized by the Commission.

Authorization Type, Nature of Service, and Class of Station. Both the Irvine License and the Jacksonville License will continue to list the Authorization Type as “Non Common Carrier,” the Nature of Service as “Fixed Satellite Service,” and Class of Station as “VSAT Network.”

Site Locations. Locations 1, 2, 4-8, and 10 will remain on the Irvine License, and locations 2-6 and 8-10 will be listed on the Jacksonville License.

Particulars of Operations. Frequencies 5-12 and 20-43 will remain on the Irvine License, and frequencies 1-4, and 13-43 will be listed on the Jacksonville License.

Frequency Coordination. Frequencies 1-4, 9-18, 21, and 22 will remain on the Irvine License, and frequencies 3-14 and 17-22 will be listed on the Jacksonville License.

Point of Communications. Points 1-4, 9-11, 14, 17, 20-23, 25, 26, 29, and 30 will remain on the Irvine License, and points 3, 5-9, 12, 13, 15, 16, 18, 19, 24, 25, 27-29, 31, and 32 will be listed on the Jacksonville License.

Antenna Facilities. Irvine1, Irvine3, Remote1, Remote2, Remote3, Remote4, Remote5, and Remote6 will remain on the Irvine License, and Jacksonville1, Jacksonville2, Remote1, Remote2, Remote3, Remote4, Remote5, and Remote6 will be listed on the Jacksonville License.



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I = Irvine License
 J = Jacksonville License

Name: STM NETWORKS INC

Call Sign: E070026
 File Number: SES-MOD-20110425-00500

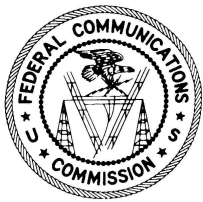
Authorization Type: Modification of License
Non Common Carrier **Grant Date:** 07/05/2011 **Expiration Date:** 04/02/2022

Nature of Service: Fixed Satellite Service

Class of Station: VSAT Network

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
I	1) IRVINE1	2 FARADAY (4.5M. HUB-2) IRVINE, ORANGE, CA, 92618	33° 38' 27.6" N	117° 43' 19.1" W	94.5	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
J	2) REMOTE 3	(1.8M. VSAT), 50 UNITS CONUS, US, AK, HI				NA	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
J	3) Jacksonville2	4905 BELFORT ROAD, STE 145 JACKSONVILLE, DUVAL, FL, 32256	30° 14' 44.0" N	81° 34' 53.0" W	4.0	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
I	4) Remote4					83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
J	5) Remote5					83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
J	6) Remote6	Martime-Atlantic and Pacific				83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					
I	7) IRVINE3	2 FARADAY (3.8M. HUB-3) IRVINE, ORANGE, CA, 92618	33° 38' 27.6" N	117° 43' 19.1" W	94.5	83	
		Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209					



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8) REMOTE 1 (1.0M. VSAT), 200 UNITS NA
 CONUS, US, AK, HI

Licensee certifies antenna(s) do not comply with Section 25.209. Please refer to Section E for special conditions placed upon antennas at this site.

9) Jacksonville1 4905 BELFORT ROAD, 30° 14' 44.0" N 81° 34' 53.0" W 4.0 83
 SUITE 145, (4.5M. HUB-1)
 JACKSONVILLE, DUVAL,
 FL, 32256

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

10) REMOTE 2 (1.2M. VSAT), 200 UNITS NA
 CONUS, US, AK, HI

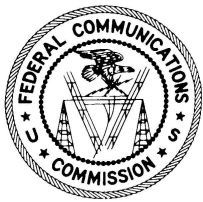
Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

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 Monday, April 02, 2007 (3 AM Eastern Standard Time) and ending Saturday, April 02, 2022 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Friday, July 06, 2012 (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	Polarization	Emission	Tx/Rx Mode	Max EIRP /Carrier	Max EIRP Density	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
J	1) 14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	71.00	40.50	Hub 1		DIGITAL VIDEO, VOICE, AND DATA
J	2) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	67.90	40.50	Hub 1		DIGITAL VIDEO, VOICE, AND DATA
J	3) 11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			Hub 1		DIGITAL VIDEO, VOICE, AND DATA
J	4) 11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			Hub 1		DIGITAL VIDEO, VOICE, AND DATA
I	5) 14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	71.00	40.50	Hub 2		DIGITAL VIDEO, VOICE, AND DATA
I	6) 11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			Hub 2		DIGITAL VIDEO, VOICE, AND DATA
I	7) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	66.90	39.50	Hub 3		DIGITAL VIDEO, VOICE, AND DATA
I	8) 14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	70.00	39.50	Hub 3		DIGITAL VIDEO, VOICE, AND DATA
I	9) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	66.90	39.50	Hub 3		DIGITAL VIDEO, VOICE, AND DATA



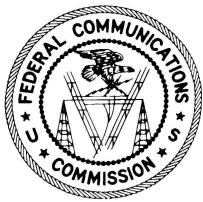
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I	10) 11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			Hub 3 DIGITAL VIDEO, VOICE, AND DATA
I	11) 11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			Hub 3 DIGITAL VIDEO, VOICE, AND DATA
I	12) 11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			Hub 3 DIGITAL VIDEO, VOICE, AND DATA
J	13) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	67.90	40.50	Hub4 DIGITAL VIDEO, VOICE, AND DATA
J	14) 14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	71.00	40.50	Hub4 DIGITAL VIDEO, VOICE, AND DATA
J	15) 14000.0000 - 14500.0000	H,V,L,R	5M34G7W	T	70.90	40.50	Hub4 DIGITAL VIDEO, VOICE, AND DATA
J	16) 13750.0000 - 14000.0000	H,V,L,R	5M34G7W	T	70.90	40.50	Hub4 DIGITAL VIDEO, VOICE, AND DATA
J	17) 11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			Hub4 DIGITAL VIDEO, VOICE, AND DATA
J	18) 11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			Hub4 DIGITAL VIDEO, VOICE, AND DATA
J	19) 11700.0000 - 12200.0000	H,V,L,R	5M34G7W	R			Hub4 DIGITAL VIDEO, VOICE, AND DATA
J	20) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	46.70	19.30	R10 DIGITAL VIDEO, VOICE, AND DATA
J	21) 14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	46.70	16.20	R10 DIGITAL VIDEO, VOICE, AND DATA
J	22) 11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			R10 DIGITAL VIDEO, VOICE, AND DATA
J	23) 11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			R10 DIGITAL VIDEO, VOICE, AND DATA
J	24) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	48.00	20.60	R12 DIGITAL VIDEO, VOICE, AND DATA
J	25) 14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	48.00	17.50	R12 DIGITAL VIDEO, VOICE, AND DATA
J	26) 11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			R12 DIGITAL VIDEO, VOICE, AND DATA
J	27) 11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			R12 DIGITAL VIDEO, VOICE, AND DATA
J	28) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	52.50	25.10	R18 DIGITAL VIDEO, VOICE, AND DATA
J	29) 14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	52.50	22.00	R18 DIGITAL VIDEO, VOICE, AND DATA
J	30) 11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			R18 DIGITAL VIDEO, VOICE, AND DATA
J	31) 11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			R18 DIGITAL VIDEO, VOICE, AND DATA
J	32) 14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	46.70	19.30	R19 DIGITAL VIDEO, VOICE, AND DATA



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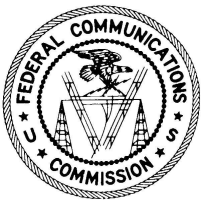
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33)	14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	46.70	16.20	R19	DIGITAL VIDEO, VOICE, AND DATA	
34)	11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			R19	DIGITAL VIDEO, VOICE, AND DATA	
35)	11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			R19	DIGITAL VIDEO, VOICE, AND DATA	
36)	14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	46.70	19.30	R20	DIGITAL VIDEO, VOICE, AND DATA	
37)	14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	46.70	16.20	R20	DIGITAL VIDEO, VOICE, AND DATA	
38)	11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			R20	DIGITAL VIDEO, VOICE, AND DATA	
39)	11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			R20	DIGITAL VIDEO, VOICE, AND DATA	
40)	14000.0000 - 14500.0000	H,V,L,R	2M20G7W	T	46.70	19.30	R21	DIGITAL VIDEO, VOICE, AND DATA	
41)	14000.0000 - 14500.0000	H,V,L,R	4M50G7W	T	46.70	16.20	R21	DIGITAL VIDEO, VOICE, AND DATA	
42)	11700.0000 - 12200.0000	H,V,L,R	2M20G7W	R			R21	DIGITAL VIDEO, VOICE, AND DATA	
43)	11700.0000 - 12200.0000	H,V,L,R	4M50G7W	R			R21	DIGITAL VIDEO, VOICE, AND DATA	

C) Frequency Coordination

#	Frequency Limits(MHz)	Satellite Arc (Deg. Long.)		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East	West	East	West	East	West		
1)	11700.0000 - 12200.0000	50.0W	-143.0W	9.8	-42.4	102.8	-220.4		Hub 2
2)	14000.0000 - 14500.0000	50.0W	-143.0W	9.8	-42.4	102.8	-220.4	-5.5	Hub 2
3)	11700.0000 - 12200.0000	50.0W	-143.0W	5.0	-5.0				R18
4)	14000.0000 - 14500.0000	50.0W	-143.0W	5.0	-5.0			-7.8	R18
5)	11700.0000 - 12200.0000	22.0W	-143.0W	17.7	-16.1	106.5	-254.7		Hub4
6)	14000.0000 - 14500.0000	22.0W	-143.0W	17.7	-16.1	106.5	-254.7	-12.1	Hub4
7)	13750.0000 - 14000.0000	22.0W	-143.0W	17.7	-16.4	106.5	-254.7	-14.9	Hub4
8)	14000.0000 - 14500.0000	22.0W	-143.0W	17.7	-16.4	106.5	-254.7	-14.9	Hub4
9)	11700.0000 - 12299.0000	22.0W	-143.0W	5.0	-5.0				R19
10)	14000.0000 - 14500.0000	22.0W	-143.0W	5.0	-5.0			-9.0	R19
11)	11700.0000 - 12200.0000	22.0W	-143.0W	5.0	-5.0				R20
12)	14000.0000 - 14500.0000	22.0W	-143.0W	5.0	-5.0			-9.0	R20
13)	11700.0000 - 12200.0000	22.0W	-143.0W	5.0	-5.0				R21



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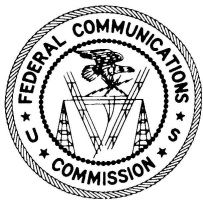
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I	14)	14000.0000 - 14500.0000	22.0W-143.0W	5.0 - 5.0	-9.0	R21
I	15)	14000.0000 - 14500.0000	50.0W-188.0W	9.8 - 7.7	102.8 - 258.8	Hub 3
I	16)	11700.0000 - 12200.0000	50.0W-188.0W	9.8 - 7.7	102.8 - 258.8	Hub 3
I	17)	11700.0000 - 12200.0000	22.0W-143.0W	5.0 - 5.0		R10
I	18)	14000.0000 - 14500.0000	22.0W-143.0W	5.0 - 5.0	-9.0	R10
J	19)	11700.0000 - 12200.0000	22.0W-143.0W	17.7 - 16.1	106.5 - 254.7	Hub 1
J	20)	14000.0000 - 14500.0000	22.0W-143.0W	17.7 - 16.1	106.5 - 254.7	Hub 1
J	21)	11700.0000 - 12200.0000	50.0W-143.0W	5.0 - 5.0		R12
J	22)	14000.0000 - 14500.0000	50.0W-143.0W	5.0 - 5.0	-9.0	R12

D) Point of Communications

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

- I 1) IRVINE1 to SATMEX-5 @ 116.8 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- I 2) IRVINE1 to All authorized U.S. Domestic (ALSAT) Satellites.
- J 3) REMOTE 3 to All authorized U.S. Domestic (ALSAT) Satellites.
- I 4) REMOTE 3 to SATMEX-5 @ 116.8 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- J 5) REMOTE 3 to TELSTAR 11N satellite @37.55 W.L. (U.S.-licensed satellite)
- J 6) REMOTE 3 to New Skies Satellite, N.V. 7 @ 22 W.L. (Netherlands-licensed) (Non-U.S.-licensed)
- J 7) Jacksonville2 to TELSTAR 11N satellite @37.55 W.L. (U.S.-licensed satellite)
- J 8) Jacksonville2 to All authorized U.S. Domestic (ALSAT) Satellites.
- I 9) Remote4 to All authorized U.S. Domestic (ALSAT) Satellites.
- I 10) Remote4 to SATMEX-5 @ 116.8 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- I 11) Remote4 to GE-23 Satellite @ 172 degrees E.L. (formerly AMC-23) (U.S.-licensed satellite)
- J 12) Remote4 to New Skies Satellite, N.V. 5 @ 177 W.L. (Netherlands-licensed) (Non-U.S.-licensed)
- J 13) Remote4 to TELSTAR 11N satellite @37.55 W.L. (U.S.-licensed satellite)
- I 14) Remote5 to SATMEX-5 @ 116.8 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- J 15) Remote5 to TELSTAR 11N satellite @37.55 W.L. (U.S.-licensed satellite)
- J 16) Remote5 to New Skies Satellite, N.V. 7 @ 22 W.L. (Netherlands-licensed) (Non-U.S.-licensed)
- I 17) Remote5 to GE-23 Satellite @ 172 degrees E.L. (formerly AMC-23) (U.S.-licensed satellite)



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- J** 18) Remote6 to New Skies Satellite, N.V. 7 @ 22 W.L. (Netherlands-licensed) (Non-U.S.-licensed)
- J** 19) Remote6 to TELSTAR 11N satellite @37.55 W.L. (U.S.-licensed satellite)
- I** 20) Remote6 to SATMEX-5 @ 116.8 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- I** 21) Remote6 to GE-23 Satellite @ 172 degrees E.L. (formerly AMC-23) (U.S.-licensed satellite)
- I** 22) IRVINE3 to GE-23 Satellite @ 172 degrees E.L. (formerly AMC-23) (U.S.-licensed satellite)
- I** 23) IRVINE3 to All authorized U.S. Domestic (ALSAT) Satellites.
- J** 24) REMOTE 1 to TELSTAR 11N satellite @37.55 W.L. (U.S.-licensed satellite)
- J** 25) REMOTE 1 to All authorized U.S. Domestic (ALSAT) Satellites.
- I** 26) REMOTE 1 to SATMEX-5 @ 116.8 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- J** 27) Jacksonville1 to New Skies Satellite, N.V. 7 @ 22 W.L. (Netherlands-licensed) (Non-U.S.-licensed)
- J** 28) Jacksonville1 to All authorized U.S. Domestic (ALSAT) Satellites.
- J** 29) REMOTE 2 to All authorized U.S. Domestic (ALSAT) Satellites.
- I** 30) REMOTE 2 to SATMEX-5 @ 116.8 W.L. (Mexican-licensed) (Non-U.S.-licensed)
- J** 31) REMOTE 2 to TELSTAR 11N satellite @37.55 W.L. (U.S.-licensed satellite)
- J** 32) REMOTE 2 to New Skies Satellite, N.V. 7 @ 22 W.L. (Netherlands-licensed) (Non-U.S.-licensed)

E) Antenna Facilities

Site ID	Antenna ID	Units	Diameter (Meters)	Manufacturer	Model Number	Site Elevation	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
J Jacksonville1	Hub 1	2	4.5	SHAANXI PROBECOM	K45T	4.0	5.5 AGL/ 9.5 AMSL	
Max Gains(s):53.2 dBi @ 11.9500 GHz 54.5 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) = 50.0								
Maximum aggregate output EIRP for all carriers (dBW)71.5								
I IRVINE1	Hub 2	1	4.5	ANDREW	K45T	94.5	5.5 AGL/ 100.0 AMSL	
Max Gains(s):53.2 dBi @ 11.9500 GHz 54.5 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) = 50.0								
Maximum aggregate output EIRP for all carriers (dBW)71.5								
I IRVINE3	Hub 3	1	3.8	PATRIOT ANTENNA SYS.	2M38091	94.5	14.9 AGL/ 109.4 AMSL	
Max Gains(s):51.8 dBi @ 11.9500 GHz 53.5 dBi @ 14.2500 GHz								
Maximum total input power at antenna flange (Watts) = 50.0								
Maximum aggregate output EIRP for all carriers (dBW)70.5								



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J Jacksonville2 Hub4 1 4.5 SHAANXI K45T 4.0 5.5 AGL/ 9.5 AMSL
 PROBECOM

Max Gains(s):53.2 dBi @ 11.9500 GHz 54.5 dBi @ 14.2500 GHz 54.5 dBi @ 13.8750 GHz

Maximum total input power at antenna flange (Watts) = 50.0

Maximum aggregate output EIRP for all carriers (dBW)71.5

I, J REMOTE 1 R10 200 1.0 PATRIOT 100KUG 1.5 AGL
 ANTENNA SYS.

Max Gains(s):40.2 dBi @ 11.9500 GHz 41.9 dBi @ 14.2500 GHz

Maximum total input power at antenna flange (Watts) = 3.0

Maximum aggregate output EIRP for all carriers (dBW)46.7

I, J REMOTE 2 R12 200 1.2 PRODELIN 1123 1.8 AGL
 CORPORATION

Max Gains(s):41.7 dBi @ 11.9500 GHz 43.2 dBi @ 14.2500 GHz

Maximum total input power at antenna flange (Watts) = 3.0

Maximum aggregate output EIRP for all carriers (dBW)48.0

I, J REMOTE 3 R18 50 1.8 PRODELIN 1184 2.1 AGL
 CORPORATION

Max Gains(s):45.0 dBi @ 11.9500 GHz 46.5 dBi @ 14.2500 GHz

Maximum total input power at antenna flange (Watts) = 4.0

Maximum aggregate output EIRP for all carriers (dBW)52.5

I, J Remote4 R19 150 1.0 SEATEL 4006RZA 5.5 AGL/ 20.0 AMSL

Max Gains(s):39.0 dBi @ 12.5000 GHz 40.0 dBi @ 14.0000 GHz

Maximum total input power at antenna flange (Watts) = 8.0

Maximum aggregate output EIRP for all carriers (dBW)52.0

I, J Remote5 R20 150 0.6 SEATEL 2406 5.5 AGL/ 20.0 AMSL

Max Gains(s):34.0 dBi @ 11.9500 GHz 36.0 dBi @ 14.2500 GHz

Maximum total input power at antenna flange (Watts) = 8.0

Maximum aggregate output EIRP for all carriers (dBW)52.0

I, J Remote6 R21 150 1.5 SEATEL 6009 5.5 AGL/ 20.0 AMSL

Max Gains(s):45.0 dBi @ 11.9500 GHz 45.1 dBi @ 14.2500 GHz

Maximum total input power at antenna flange (Watts) = 8.0

Maximum aggregate output EIRP for all carriers (dBW)52.0

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION
Current Authorization : FCC WEB Reproduction
Unofficial Copy

Name: STM NETWORKS INC

Call Sign: E070026
File Number: SES-MOD-20110425-00500

Authorization Type: Modification of License
Non Common Carrier Grant Date: 07/05/2011 Expiration Date: 04/02/2022

H) Special and General Provisions

A) This RADIO STATION AUTHORIZATION is granted subject to the following special provisions and general conditions:

- 1010 Applicable to all receiving frequency bands. Emission designator indicates the maximum bandwidth of received signal at associated station(s). Maximum EIRP and maximum EIRP density are not applicable to receive operations.
- 1900 Applicable to all transmitting frequency bands. Authority is granted to transmit any number of RF carriers with the specified parameters on any discrete frequencies within associated band in accordance with the other terms and conditions of this authorization, subject to any additional limitations that may be required to avoid unacceptable levels of inter-satellite interference.
- 2010 This authorization is issued pursuant to the Commission's Second Report and Order adopted June 16, 1972 (35 FCC 2d 844) and Memorandum, Opinion and Order adopted December 21, 1972 (38 FCC 2d 665) in Docket No. 16495 and is subject to the policies adopted in that proceeding.
- 2916 Transmitter(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measures must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- 2938 Upon completion of construction, each licensee must file with the Commission a certification including the following information: name of the licensee, file number of the application, call sign of the antenna, date of the license and certification that the facility as authorized has been completed, that each antenna facility has been tested and is within 2 dB of the pattern specified in Section 25.209 and that the station is operational including the date of commencement of service and will remain operational during the license period unless the license is submitted for cancellation.
- 3219 All existing transmitting facilities, operations and devices regulated by the Commission must be in compliance with the Commission's radiofrequency (RF) exposure guidelines, pursuant to Section 1.1307(b)(1) through (b)(3) of the Commission's rules, or if not in compliance, file an Environmental Assessment (EA) as specified in Section 1.1311. See 47 CFR 1.1307 (b) (5).
- 5208 The licensee shall take all necessary measures to ensure that the antenna 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 wherever such exposures might occur. 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.
- 5216 All operations shall be on a non-common carrier basis.



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H) Special and General Provisions

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 regulates 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.