

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA Request to use proposed NWM-16 and NWM-17 on E000696 for Additional SES-6 In-orbit Testing

**I. Applicant**

<b>Name:</b>	SES Americom, Inc.	<b>Phone Number:</b>	202-478-7137
<b>DBA Name:</b>		<b>Fax Number:</b>	202-478-7101
<b>Street:</b>	1129 20th Street NW Suite 1000	<b>E-Mail:</b>	daniel.mah@ses.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20036
<b>Attention:</b>	Daniel C.H. Mah		



File # SES-STA-20130629-00556  
E000696 **Grant Date** 7-22-13  
Call Sign (or other identifier) 7-22-13 **Term Dates** 8-21-13  
From 7-22-13 To 8-21-13  
Approved: [Signature]

Applicant: SES Americom Inc.  
Call Sign: E000696  
File No.: SES-STA-20130629-00556

SES Americom Inc. (SES) is granted, under the following conditions, special temporary authority, from July 22, 2013 to August 21, 2013 to operate the NWM-16 and NWM-17 antennas at its Bristow, Virginia, teleport to perform additional in-orbit testing ("IOT") for the Netherlands-licensed SES-6 satellite at the 40.5° W.L. orbital location in the 4500-4800 MHz (space-to-Earth) and 6725-6874 MHz (Earth-to-space) frequency bands.

1. This authorization is limited to operations within the coordinated parameters defined the coordination report submitted in IBFS File No. SES-MFS-20130604-00470.
2. All operations shall be on an unprotected and non-harmful interference basis, SES shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating stations and it shall cease transmission(s) immediately upon notice of such interference.
3. In the event that any harmful interference is caused as a result of operations, SES shall cease operations immediately upon notification of such an event, and shall inform the Commission immediately, in writing, of the event.
4. SES must maintain a point of contact during IOT operations. SES has identified Gary Cruickshank, phone 703-330-3305, [gary.cruickshank@ses.com](mailto:gary.cruickshank@ses.com) as that point of contact.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at SES's own risk.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding SES's pending application IBFS File No. SES-MFS-20130604-00470 or any other applications requesting authority to operate in the 4500-4800 MHz (space-to-Earth) and 6725-6874 MHz (Earth-to-space) frequency bands.
7. This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.



File # SES-STA-20130629-00556  
Call Sign E000696 Grant Date 7-22-13  
(or other identifier)  
Term Dates  
From 7-22-13 To 8-21-13  
Approved: Paul E. Blair

<b>2. Contact</b>	
<b>Name:</b>	SES Americom, Inc.
<b>Company:</b>	1129 20th Street NW Suite 1000 Washington USA
<b>Street:</b>	Daniel C.H. Mah
<b>City:</b>	DC
<b>Country:</b>	USA
<b>Attention:</b>	Daniel C.H. Mah
<b>Phone Number:</b>	202-478-7137
<b>Fax Number:</b>	202-478-7101
<b>E-Mail:</b>	daniel.mah@ses.com
<b>State:</b>	DC
<b>Zipcode:</b>	20036
<b>Relationship:</b>	Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SESMFS2013060400470 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date	
07/22/2013	
7. City/Bristow	
8. Latitude (dd mm ss.s h) 38 47 2.4 N	

9. State VA	10. Longitude (dd mm ss.s h) 77 34 21.9 W
11. Please supply any need attachments. Attachment 1: STA Narrative Attachment 2: Temp Coord Report Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) SES requests an STA to use the NWM-16 and NWM-17 antennas on E000696 (SES-MFS-20130604-00470) for additional planned C-band in-orbit testing with SES-6 after it arrives at 40.5 W. SES respectfully requests expedited action before July 22, 2013. See attached narrative and coordination report.	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Daniel C.H. Mah	15. Title of Person Signing Regulatory Counsel
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

**FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

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**THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.**

Prepared By

**COMSEARCH**

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

Prepared For

**SES Americom  
Bristow, Virginia**

Temporary Transmit-Only Earth Station  
Operation Dates: 07/26/2013 - 09/01/2013

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations. Verbal and written coordination was conducted with the below listed carriers on June 13, 2013.

Company

256Q Networks  
AB Services LLC  
ADAMS COUNTY EMERGENCY MANAGEMENT AGENCY  
AT&T COMMUNICATIONS OF MARYLAND INC  
AT&T Communications of Virginia, LLC  
AT&T Corp.  
Aerbender, LLC  
Allentown SMSA Limited Partnership  
Alltel Communications LLC - Western PA  
Alltel Communications LLC-E OH WV  
Alltel Communications LLC-North Carolina  
Alltel Communications LLC-Southern VA  
Alltel Communications of Petersburg Inc  
Alltel Communications of Virginia #1 LLC  
Appalachia Engineering Services  
Appalachian Broadcasting  
Atlantic Broadband (Delmar), LLC  
Atlantic-Broadband (Penn), LLC  
Atlantic City Electric Company  
Auburn Data Systems, LLC  
B20 LLC  
B2x Online Inc  
BAY BROADBAND COMMUNICATIONS LLC  
BLAIR COUNTY 911  
Baltimore County of Maryland  
Baltimore Gas and Electric Company  
Bedford, County of  
Believe Wireless, LLC  
Bellsouth Telecommunications, Inc.  
Berks, County of

Company (Continued)

Blue Ridge Carriers  
Bucks, County of  
CAMDEN COUNTY  
CENTRE COUNTY  
CHESTER, COUNTY OF  
CLEARFIELD, COUNTY OF  
CNG Transmission Corporation  
CROWN COMMUNICATION, INC.  
Cable Of The Carolinas  
Cambria, County of  
Campbell, County of  
Capital Communications of America  
Carbon, County of 911 Center  
Cellco Partnership - Bridgeville, PA/WV  
Cellco Partnership - Southern Virginia  
Cellco Partnership- PA Region  
Cellco Partnership-Newark-Dallas Verizon  
Cellco Partnership-WDC/Baltimore  
Cellco Prtnrshp - Phil. Tri-State Rgn  
Charles City County Sheriffs Office  
Charles, County of  
Chesterfield, County of  
City of Durham, NC  
Commonwealth of Pennsylvania  
Commonwealth of Pennsylvania-Radio Proj.  
Comprehensive Wireless LLC  
Conterra Ultra Broadband, LLC  
Converge Towers LLC  
Coral Reef Technologies Ltd  
Coralinks  
County of Fayette  
County of Franklin, VA  
County of Frederick  
Cumberland, County of  
DAUPHIN COUNTY EMERGENCY MANAGEMENT  
Delaware Division of Communications  
Delmarva Power & Light Company  
Direct Broadcast Services, Inc.  
Duke Energy Business Services LLC  
ECW Wireless, LLC  
EG Broadcast Newco Corp  
Eastern MLG LLC  
Enoch Pratt Free Library  
Exelon Generation Company, L.L.C  
FELHC, Inc.  
Federal Communications Commission  
Fibertrack, LLC  
Frederick County  
Fundamental Broadcasting LLC  
Garden State Transmissions

Company (Continued)

Gloucester County  
Gloucester, County of  
Goochland County  
Greene, County of (PA)  
HENRICO COUNTY  
Hampton Roads Planning District Commissi  
Hanover, County of  
Hardy Cellular Telephone Company  
Harrisonburg-Rockingham ECC  
High Voltage Communications LLC  
Huntingdon, County of  
INDIANA, COUNTY OF  
Jefferson Microwave, LLC  
Juniata County Emergency Services  
King and Queen County  
Kryptic Technologies  
Last Mile Inc.  
Loudoun, County of  
MONMOUTH, COUNTY OF  
MVC Research. LLC  
Maryland Public Broadcasting Commission  
Maryland State Highway Administration  
Maryland, State of - Dept. of Info & Tech  
Mecklenburg Electric Cooperative  
Mifflin Mobilecom  
National Radio Astronomy Observatory  
National Tower Company  
New Cingular Wireless PCS LLC -NJ  
New Cingular Wireless PCS - Maryland  
New Cingular Wireless PCS LLC - DC  
New Cingular Wireless PCS LLC - VA  
New Cingular Wireless PCS LLC- WV/NC/SC  
New Cingular Wireless PCS LLC-DE/NH/RI  
New Cingular Wireless PCS of PA LLC  
New Cingular Wireless PCS, LLC - PA  
New Jersey State Police  
New Jersey Turnpike Authority-Pkwy Div  
New Jersey, State of -NJ Transit  
New Kent County  
Newgig Networks, LLC  
Norfolk Southern Railway  
OCEAN, COUNTY OF  
Ocean, County of-Div of Wireless Tech.  
Old Dominion LLC  
PA Communications  
PEG Bandwidth  
PENNSYLVANIA TURNPIKE COMMISSION  
PSEG Services Corporation  
Peco Energy Company  
Penn Service Microwave Co., Inc.  
Peoples Natural Gas Company LLC  
Petersburg Cellular Partnership



Company (Continued)

Pitt Power  
Pittsburgh SMSA Limited Partnership  
Pittsylvania, County of  
Prince George's County  
Prince William, County of  
RAPPAHANNOCK ELECTRIC COOPERATIVE  
RCTC Wholesale Corporation  
RICHMOND, CITY OF  
ROANOKE COUNTY  
Roanoke, City of  
Rural Broadband Network Services LLC  
SCTF NET  
SHENANDOAH VALLEY ELECTRIC COOPERATIVE  
SOMERSET COUNTY  
SW Networks  
Southern Maryland Electric Cooperative I  
Sprint Spectrum, LP  
Sprintcom, Inc  
St. Mary's County of (MD)  
Stafford, County of  
State of Maryland, MIEMSS  
State of WV DHHR/BPH STECS  
TRF SERVICES LLC  
Texas Eastern Communications, Inc.  
Thought Transmissions, LLC  
Turtle Networks 6386  
Turtle Networks 6466  
Turtle Networks 6467  
UNIVERSITY OF NORTH CAROLINA  
US Cellular Operating Company, LLC (WI)  
USCOC of Cumberland, Inc.  
USCOC of North Carolina RSA #7, Inc.  
USCOC of Virginia RSA #2, Inc.  
USCOC of Virginia RSA #3, Inc.  
Velox Networks LLC  
Verizon Maryland, Inc.  
Verizon Virginia, Inc.  
Verizon Wireless (VAW) LLC - Delaware  
Verizon Wireless (VAW) LLC - Maryland  
Verizon Wireless (VAW) LLC - NJ  
Verizon Wireless (VAW) LLC-NC,SC, TN  
Verizon Wireless (VAW) LLC-Pennsylvania  
Verizon Wireless LLC - West Virginia  
Verizon Wireless VAW LLC-Southern VA  
Verizon Wireless(VAW) LLC-AZ/CO/NM/NV/UT  
Virginia RSA 5 Limited Partnership  
Virginia Beach City of  
Virginia Broadband, LLC  
Virginia Cellular LLC  
Virginia Department of State Police  
Virginia Electric & Power Company

Company (Continued)

Virginia PCS Alliance, L.C.  
Virginia Port Authority Police  
Virginia RSA #7, Inc.  
WITF Inc.  
Washington D.C. SMSA L.P.  
Washington Gas Light Company  
Washington Suburban Sanitary Commission  
Weblin Holdings LLC  
Wico, LLC  
Wireless Internet Work II.  
Wireless Internetwork LLC  
World Class Wireless LLC  
York County  
York County Dept of Emergency Services  
Zen Networks, Inc  
iSignal  
ANNE ARUNDEL, COUNTY OF  
APPALACHIAN POWER COMPANY  
ATLANTIC, COUNTY OF  
Albermarle, County of, Virginia  
Allegheny County  
Allegheny Power Service Corporation  
Alltel Communications LLC-North Carolina  
Alltel Communications LLC-Southern VA  
Alltel Communications of Petersburg Inc  
American Electric Power Service Corp.  
Amherst County of Dept of Public Safety  
BOTETOURT COUNTY  
CBS Communications Services Inc.  
CENTRAL VIRGINIA RADIO COMMUNICATIONS SY  
CENTRE COUNTY  
CHESAPEAKE, CITY OF  
COLUMBIA COUNTY  
CTAB Holdings LLC  
Calvert Cliffs Nuclear Power Plant  
Calvert County Government  
City of Bethlehem, Pennsylvania  
City of Richmond  
Columbia Gas Transmission Corporation  
Conectiv Communications, Inc.  
County of Burlington, Public Safety Cntr  
County of Culpeper  
County of Hunterdon  
County of Louisa, VA  
County of Salem  
Delaware County (PA) Emergency Services  
Dinwiddie, County of  
Eastern Pennsylvania EMS Council  
Egan LLC  
Equitable Gas Company  
Franklin County Dept. of Emergency Servi  
Franklin, County of

Company (Continued)

George Washington University  
Harrison County Emergency Services  
Henry, County of  
Howard, County of  
JEFFERSON COUNTY OF PENNSYLVANIA  
LEBANON COUNTY OF  
Lancaster County of  
Lehigh, County of  
M&T Bank  
MARYLAND EMERG MANAGEMENT AGENCY COMM  
MARYLAND STATE DEPT OF GENERAL SERVICES  
Maryland, State Of - MDOT - MTA  
Maryland, State of - DNR  
Mifflin County  
Montgomery County Of  
Montgomery, County of  
Morgan, County of  
NORFOLK, CITY OF  
Nelson, County of  
Newport News , City of  
North Carolina State Highway Patrol  
Northumberland, County of  
PENNSYLVANIA MICROWAVE NETWORK INC.  
PENNSYLVANIA TURNPIKE COMMISSION  
PIEDMONT ELECTRIC MEMBERSHIP COOPERATIVE  
Pennsylvania Commonwealth State Police  
Petersburg Police Department  
Potomac Electric Power Company  
Powhatan, County of  
RCYM Holdings LLC  
Redi-Call Communications Company  
SCHUYLKILL, COUNTY OF  
SCS Networks  
SECOM NET  
SOUTHEASTERN PENNSYLVANIA TRANSIT AUTH  
SPOTSYLVANIA COUNTY  
Snyder, County of  
Southampton County  
Southside Electric Cooperative  
Standard Backhaul Communications LLC  
Suffolk, City of Radio Electronics Dept  
Sussex County  
Transcontinental Gas Pipeline Corp.  
Triangle Communications, Inc.  
Turtle Networks 6423  
WASHINGTON COUNTY E-911  
Warrenton Fauquier Joint Communications  
Western Sub-RSA LTD Partnership

Company (Continued)

Westmoreland County Public Safety  
Zango LLC

There are no unresolved interference objections with the stations contained in these applications.

The following section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

**COMSEARCH**  
**Earth Station Data Sheet**  
 19700 Janelia Farm Boulevard, Ashburn, VA 20147  
 (703)726-5500 <http://www.comsearch.com>

Date: 06/28/2013  
 Job Number: 130613COMSJC01

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**Administrative Information**

Status: TEMPORARY (Operation from 07/26/2013 to 09/01/2013)  
 Call Sign: TEMP09  
 Licensee Code: P3210  
 Licensee Name: SES Americom, Inc.

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**Site Information** **BRISTOW, VIRGINIA**

Venue Name:  
 Latitude (NAD 83): 38° 47' 3.3" N  
 Longitude (NAD 83): 77° 34' 21.7" W  
 Climate Zone: A  
 Rain Zone: 2  
 Ground Elevation (AMSL): 86.87 m / 285.0 ft

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**Link Information**

Satellite Type: Geostationary  
 Mode: TO - Transmit-Only  
 Modulation: No Modulation  
 Satellite Arc: 40.5° W to 40.5° West Longitude  
 Azimuth Range: 129.7° to 129.7°  
 Corresponding Elevation Angles: 31.0° / 31.0°  
 Antenna Centerline (AGL): 5.79 m / 19.0 ft

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**Antenna Information**

Manufacturer: GD Satcom  
 Model: 9 Meter  
 Gain / Diameter: 53.5 dBi / 9.0 m  
 3-dB / 15-dB Beamwidth: 0.36° / 0.76°

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**Transmit**

Max Available RF Power	(dBW/4 kHz)	27.5	
	(dBW/MHz)	51.5	
Maximum EIRP	(dBW/4 kHz)	81.0	
	(dBW/MHz)	105.0	
	(dBW)	81.0	
Interference Objectives:	Long Term	-154.0 dBW/4 kHz	20%
	Short Term	-131.0 dBW/4 kHz	0.0025%

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**Frequency Information**

Emission / Frequency Range (MHz) **Transmit 6.1 GHz**  
 NON / 5850.0 - 5929.0  
 NON / 5991.0 - 6136.0  
 NON / 6169.0 - 6181.0  
 NON / 6243.0 - 6425.0  
 NON / 6725.0 - 6759.0  
 NON / 6781.0 - 6874.0

Max Great Circle Coordination Distance: 339.7 km / 211.1 mi  
 Precipitation Scatter Contour Radius: 492.6 km / 306.0 mi

## COMSEARCH Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147  
(703)726-5500 <http://www.comsearch.com>

<b>Coordination Values</b>	<b>BRISTOW, VA</b>	
Licensee Name	SES Americom, Inc.	
Latitude (NAD 83)	38° 47' 3.3" N	
Longitude (NAD 83)	77° 34' 21.7" W	
Ground Elevation (AMSL)	86.87 m / 285.0 ft	
Antenna Centerline (AGL)	5.79 m / 19.0 ft	
Antenna Model	GD Satcom 9 Meter	
Antenna Mode	Transmit 6.1 GHz	
Interference Objectives:	Long Term	-154.0 dBW/4 kHz    20%
	Short Term	-131.0 dBW/4 kHz    0.0025%
Max Available RF Power	27.5 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.88	123.51	-10.00	253.17
5	0.93	119.48	-10.00	250.25
10	0.83	115.33	-10.00	255.80
15	0.82	111.14	-10.00	256.88
20	0.67	106.88	-10.00	265.65
25	0.62	102.61	-10.00	269.01
30	0.51	98.32	-10.00	276.50
35	0.27	94.01	-10.00	304.61
40	0.42	89.71	-10.00	286.11
45	0.54	85.40	-10.00	274.12
50	0.28	81.13	-10.00	303.26
55	0.38	76.84	-10.00	290.44
60	0.00	72.67	-10.00	313.13
65	0.00	68.48	-10.00	313.13
70	0.00	64.35	-10.00	313.13
75	0.00	60.28	-10.00	313.13
80	0.00	56.31	-10.00	313.13
85	0.00	52.44	-10.00	313.13
90	0.00	48.72	-10.00	313.13
95	0.00	45.18	-9.37	317.46
100	0.00	41.86	-8.55	323.27
105	0.00	38.84	-7.73	329.09
110	0.00	36.19	-6.96	334.68
115	0.00	33.99	-6.28	339.72
120	0.39	31.97	-5.62	319.72
125	0.69	30.64	-5.16	296.44
130	0.73	30.28	-5.03	294.61
135	0.80	30.63	-5.15	289.21
140	0.88	31.69	-5.52	281.35
145	0.87	33.49	-6.12	278.39
150	0.98	35.73	-6.83	266.78
155	0.92	38.55	-7.65	264.80
160	0.71	41.83	-8.54	272.30
165	0.71	45.22	-9.38	267.03
170	0.39	49.01	-10.00	289.80
175	0.39	52.78	-10.00	290.08
180	0.39	56.68	-10.00	289.28
185	0.28	60.73	-10.00	303.22

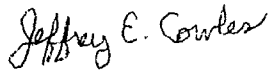
**COMSEARCH**  
**Earth Station Data Sheet**  
 19700 Janelia Farm Boulevard, Ashburn, VA 20147  
 (703)726-5500 <http://www.comsearch.com>

<b>Coordination Values</b>	<b>BRISTOW, VA</b>
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Antenna Model	GD Satcom 9 Meter
Antenna Mode	Transmit 6.1 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	27.5 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	64.90	-10.00	313.13
195	0.00	69.04	-10.00	313.13
200	0.00	73.24	-10.00	313.13
205	0.00	77.47	-10.00	313.13
210	0.00	81.73	-10.00	313.13
215	0.00	86.00	-10.00	313.13
220	0.00	90.29	-10.00	313.13
225	0.00	94.57	-10.00	313.13
230	0.00	98.85	-10.00	313.13
235	0.24	103.14	-10.00	308.48
240	0.32	107.39	-10.00	298.24
245	0.36	111.60	-10.00	293.32
250	0.34	115.75	-10.00	295.28
255	0.35	119.84	-10.00	294.24
260	0.41	123.86	-10.00	287.09
265	0.46	127.77	-10.00	281.94
270	0.46	131.53	-10.00	281.05
275	0.44	135.09	-10.00	283.19
280	0.46	138.44	-10.00	281.76
285	0.47	141.51	-10.00	279.78
290	0.48	144.21	-10.00	278.75
295	0.52	146.47	-10.00	275.84
300	0.49	148.12	-10.00	278.46
305	0.50	149.16	-10.00	277.42
310	0.50	149.49	-10.00	276.78
315	0.46	149.03	-10.00	281.54
320	0.50	147.95	-10.00	276.91
325	0.53	146.21	-10.00	274.83
330	0.67	144.02	-10.00	266.09
335	0.52	141.15	-10.00	275.55
340	0.57	138.08	-10.00	272.59
345	0.65	134.74	-10.00	267.06
350	0.63	131.11	-10.00	268.61
355	0.68	127.35	-10.00	265.08

## Certification

I hereby certify that I am the technically qualified person responsible for the preparation of the frequency coordination data contained in this report. I am familiar with Parts 101 and 25 of the FCC Rules and Regulations and I have either prepared or reviewed the frequency coordination data submitted with this report, and that it is complete and correct to the best of my knowledge and belief.



Jeffrey E. Cowles  
Engineer III, Telecommunications  
COMSEARCH  
19700 Janelia Farm Blvd.  
Ashburn, Va. 20147

DATED: June 28, 2013



**APPLICATION FOR SPECIAL TEMPORARY AUTHORITY**

Call Sign E000696, Antennas NWM-16 and NWM-17

SES Americom, Inc. (“SES”) respectfully requests a 30-day Special Temporary Authority (“STA”), beginning on or about July 22, 2013, to use the NWM-16 and NWM-17 antennas<sup>1</sup> at its Bristow, Virginia, teleport to perform additional in-orbit testing (“IOT”) for the Netherlands-licensed SES-6 satellite at 40.5° W.L. in the following frequencies: 4500-4800 MHz (space-to-Earth) and 6725-6874 MHz (Earth-to-space) (collectively, the “planned C-band” frequencies).

A full description of the SES-6 satellite can be found in the pending application for U.S. market access for SES-6 at 40.5° W.L. *See* File No. SAT-PPL-20120717-00117; Call Sign S2870 (accepted for filing Aug. 31, 2012). The Commission has previously granted SES an STA to use the NWM-17 antenna to perform IOT with SES-6 at 26° W.L. The NWM-16 antenna is located less than 1-second away. This application requests essentially the same authority, but for both antennas and for the satellite at 40.5° W.L.

Grant of the requested STA will serve the public interest by enabling SES and its affiliate, New Skies Satellites B.V., to commence commercial operation of SES-6 in other frequency bands at 40.5° W.L., even as testing of the planned C-band frequencies continues, while minimizing the risk of interference.

Coordination of the additional IOT of SES-6 at 40.5° W.L. with adjacent satellite operators is complete. Additional temporary terrestrial coordination for the proposed IOT has also been completed. *See* Coordination Report (attached).<sup>2</sup>

In any event, all IOT operations will be conducted on a non-harmful interference basis. SES will cease transmissions in the event of any report of harmful interference. The SES point of contact during the proposed IOT operations with this antenna will be Gary Cruickshank, 703-330-3305, gary.cruickshank@ses.com.

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<sup>1</sup> *See* SES Americom, Inc., Modification Application, File No. SES-MFS-20130604-00470, call sign E000696 (filed Jun 4, 2013) (pending). SES Americom is seeking authority to operate on both of these antennas, but is likely to use only one of these antennas for IOT.

<sup>2</sup> The terrestrial coordination was conducted using the parameters of the 9.0 meter NWM-17 antenna, but applies also to the less interfering 11.0 meter NWM-16 antenna located less than 1 arc second away.