

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA For SAPA 12.8M Antenna Testing Communication with I3F2

1. Applicant

Name:	Comsat, Inc.	Phone Number:	571-599-3639
DBA Name:		Fax Number:	571-599-3670
Street:	2550 Wasser Terrace Suite 6000	E-Mail:	sclatworthy@comsat.com
City:	Herndon	State:	VA
Country:	USA	Zipcode:	20171 -
Attention:	Ms Sandra M Clatworthy		



File # SES-STA-20190424-00540
 12864
 Call Sign 5-H9 Grant Date 5-1-19
 (or other identifier)
 Term Dates From: 5-1-19 To: 5-31-19
 Approved: Paul E. Blau

2. Contact	
Name: James Lovelace	Phone Number: 571-599-3643
Company: COMSAT, Inc.	Fax Number: 571-599-3670
Street: 2550 Wasser Terrace Suite 6000	E-Mail: jlovelace.ctr@comsat.com
City: Herndon	State: VA
Country: USA	Zipcode: 20171 -
Attention:	Relationship: Other
(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 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 05/01/2019	
7. City Santa Paula	
8. Latitude (dd mm ss.s h) 34 24 5.0 N	

9. State CA	10. Longitude (dd mm ss.s h) 119 4 29.4 W
11. Please supply any need attachments. Attachment 1: STA Justification Attachment 2: 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.) COMSAT, Inc. respectfully requests a grant of Special Temporary Authority effective May 1, 2019 to allow COMSAT to operate its Santa Paula Teleport 12.8 Meter Hub Antenna to communicate with the Inmarsat 3F2 Satellite (I3F2) using L-band Frequencies to support Inmarsat testing during westward drift of I3F2. Please see attached narrative for	
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 James G. Lovelace	15. Title of Person Signing Contractor
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).	

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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.

12. Description

COMSAT, Inc. respectfully requests a grant of Special Temporary Authority effective May 1, 2019 to allow COMSAT to operate its Santa Paula Teleport 12.8 Meter Hub Antenna to communicate with the Inmarsat 3F2 Satellite (I3F2) using L-band Frequencies to support Inmarsat testing during westward drift of I3F2. Please see attached narrative for additional details and justification.

Applicant: COMSAT, Inc. -
File No.: SES-STA-20190424-00540
Call Sign: KB34
Special Temporary Authority



File # SES-STA-20190424-00540
KB34
Call Sign _____ Grant Date 5-1-19
(or other identifier)
From: 5-1-19 Term Dates To: 5-31-19
Approved: [Signature]

COMSAT, Inc. ("COMSAT") is granted a special temporary authority for 30 days, starting May 01, 2019, to operate its SAPA12.8M antenna earth station in Santa Paula, California, to communicate with Inmarsat 3F2 Satellite (E000284) to support Inmarsat testing during it's westward drift from 60°W.L. to 170° E.L. orbital location. Operations shall utilize frequencies 1638.900 MHz, 1639.180 MHz and 1639.220 MHz (RHCP) (Earth-to-space) and 1537.290 MHz (RHCP), and 1537.295 MHz RHCP) (space-to-Earth) under the following conditions:

1. Operations will not exceed the operational power levels and parameters coordinated.
2. All operations under this grant of special temporary authority shall be on an unprotected and non-harmful interference basis. COMSAT shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
3. In the event of any harmful interference under this grant of special temporary authority, COMSAT must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
4. All operators of satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs, Currently the 24x7 contact information for COMSAT is Ph.: (805) -933-4010. Requests to speak with Howard Wisniewski.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at COMSAT's risk.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future COMSAT applications.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.

COMSAT, Inc.

Request for Special Temporary Authority to
Operate Santa Paula Teleport 12.8 Meter Hub Antenna to
Communicate With Inmarsat 3F2 Satellite Using L-band Frequencies to
Support Inmarsat Testing During Westward Drift of Satellite

File Number SES-MOD-20151009-00695
Call Sign KB34

COMSAT, Inc. ("COMSAT") respectfully requests a grant of Special Temporary Authority ("STA") effective May 1, 2019 to allow COMSAT to operate its Santa Paula, California Teleport 12.8 Meter Hub Antenna (SAPA 12.8M) to communicate with the Inmarsat 3F2 Satellite (I3F2) using L-band Frequencies to support Inmarsat testing during westward drift of I3F2. Prior to commencement of the drift that is being accomplished by Inmarsat to reposition I3F2 it was located at 15.5 west longitude and was authorized by the Commission for U.S. Market Access and was on the ISAT list. Inmarsat is now in the process of drifting the satellite west and has contracted with COMSAT to support testing of the satellite during part of the drift arc – that part being from 60W to 170E Inmarsat has advised COMSAT that the final location of 3F2 has not been decided at this time and that Inmarsat does not plan to seek U.S. Market Access in relation to 3F2 at its new position. This STA is therefore only for limited testing purposes during the drift.

The STA that is needed for this purpose is to operate the SAPA12.8M antenna to communicate with I3F2 during its drift utilizing the following Emissions-

#	Frequency (MHz)	Polarization	Emission	Tx/Rx	Max EIRP /Carrier (dBW)	Max EIRP Density (dBW/4kHz)	Modulation
Pilot	1638.900	RHC	N0N	T	33	33	Pilot
Test Carrier 1	1639.180	RHC	10KG1E	T	42	38	PSK
Test Carrier 2	1639.220	RHC	10KG1E	T	42	38	PSK
Test Carrier 3	1537.290	RHC	05KG1E	R			PSK
Test Carrier 4	1537.295	RHC	05KG1E	R			PSK

The SAPA 12.8M antenna is currently authorized per COMSAT's KB34 license to communicate in the L-band with ISAT list satellites and the power levels and other particulars needed for the testing will be well within authorized levels. Grant of the STA for the testing is in the public interest because Inmarsat services supported by I3 satellites include maritime services used for Safety at Sea as well as services used by various U.S. agencies. It is therefore respectfully requested that STA as described above be granted for a period of 30 days, effective May 1, 2019.

Any questions with respect to this matter may be directed to James G. Lovelace at 571-599-3643.