

Approved by OMB  
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA to Operate Santa Paula Teleport Ku-band Hub Antennas

1. Applicant

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



File # ~~SES-STA-20190819-01064~~  
Call Sign ~~5930320~~ Grant Date ~~8-20-19~~  
(or other identifier)  
Term Dates  
From: ~~8-20-19~~ To: ~~10-29-19~~  
Approved: *[Signature]* E *[Signature]*

|                                                                                                                                                                                                                                                                                                            |                      |                                                    |                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------|------------------------|
| <b>2. Contact</b>                                                                                                                                                                                                                                                                                          |                      |                                                    |                        |
| <b>Name:</b>                                                                                                                                                                                                                                                                                               | Howard Wisniewski    | <b>Phone Number:</b>                               | 805-933-4030           |
| <b>Company:</b>                                                                                                                                                                                                                                                                                            | COMSAT, Inc.         | <b>Fax Number:</b>                                 | 571-599-3670           |
| <b>Street:</b>                                                                                                                                                                                                                                                                                             | 7676 Pine Grove Road | <b>E-Mail:</b>                                     | hwisniewski@comsat.com |
| <b>City:</b>                                                                                                                                                                                                                                                                                               | Santa Paula          | <b>State:</b>                                      | CA                     |
| <b>Country:</b>                                                                                                                                                                                                                                                                                            | USA                  | <b>Zipcode:</b>                                    | 93061 -                |
| <b>Attention:</b>                                                                                                                                                                                                                                                                                          |                      | <b>Relationship:</b>                               | Engineer               |
| (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 SESMOD2019051300605 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).<br><input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee<br><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<br>08/28/2019                                                                                                                                                                                                                                                                  |                      |                                                    |                        |
| 7. City Santa Paula                                                                                                                                                                                                                                                                                        |                      | 8. Latitude<br>(dd mm ss.s h)   34   24   7.95   N |                        |

|                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                                                  |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------|---------------|
| 9. State                                                                                                                                                                                                                                                                                                                                                                                                                                   | CA | 10. Longitude<br>(dd mm ss.s h)                  | 119 4 21.84 W |
| 11. Please supply any need attachments.<br>Attachment 1: STA Need Statement                                                                                                                                                                                                                                                                                                                                                                |    | 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.)                                                                                                                                                                                                                                                                                                   |    |                                                  |               |
| <div style="border: 1px solid black; padding: 5px;"> <p>COMSAT, Inc. respectfully requests a grant of Special Temporary Authority to allow COMSAT to operate the Santa Paula Teleport Hub antennas which are the subject of application for permanent authorization under file number SES-MOD-20190513-00605 to communicate with Satellites on the Permitted List in the standard Ku-band while the Commission processes</p> </div>        |    |                                                  |               |
| 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. |    |                                                  |               |
| 14. Name of Person Signing<br>Howard Wisniewski                                                                                                                                                                                                                                                                                                                                                                                            |    | 15. Title of Person Signing<br>Teleport Engineer |               |
| <p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT<br/>(U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION<br/>(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).</p>                                                                                                                                                 |    |                                                  |               |

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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 to allow COMSAT to operate the Santa Paula Teleport Hub antennas which are the subject of application for permanent authorization under file number SES-MOD-20190513-00605 to communicate with Satellites on the Permitted List in the standard Ku-band while the Commission processes the application.

Applicant: COMSAT, Inc.  
Call Sign: E930320  
File No.: SES-STA-20190819-01064  
Special Temporary Authority (STA)



File # SES-STA-20190819-01064  
Call Sign E930320 Grant Date 8-30-19  
(or other identifier)  
Term Dates  
From: 8-30-19 To: 10-29-19  
Approved: [Signature]

COMSAT, Inc. ("COMSAT") is granted Special Temporary Authorization for 60 days to operate four new hub antennas, identified in the pending IBFS File No. SES-MOD-20190513-00605, that are located at its earth station in Santa Paula, CA. The antennas will operate with Eutelsat 117WA (Call Sign S2873) at orbital location 116.8°W and SES-1 (Call Sign S2807) at orbital location 101°W in the 14000-14500 MHz (Earth-to-space) and 11700-12200 MHz (space-to-Earth) frequency bands under the following conditions:

1. Operations shall not exceed power and emission designators for the proposed added antennas:  
SAPA10Ku, 4.6-m Andrews, 55.0 dBi at 14.25 GHz antenna transmit gain, 358.5W total input power at antenna flange, 79.0 dBW total maximum output eirp for all carriers;  
SAPA08Ku, 4.8-m Vertex, 55.2 dBi at 14.25 GHz antenna transmit gain, 400W total input power at antenna flange, 79.2 dBW total maximum output eirp for all carriers;  
SAPA19Ku and SAPA40Ku, 7.3-m General Dynamics, 58.2 dBi at 14.25 GHz antenna transmit gain, 750W total input power at antenna flange, 85.1 dBW total maximum output eirp for all carriers.
2. All operations 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 station and it shall cease transmission(s) immediately upon notice of such interference and must inform the Commission, in writing, immediately of such an event.
3. The licensee shall take all necessary measures to ensure that the antennas do 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](http://www.fcc.gov/oet/rfsafety)) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alert signs and protective equipment for workers.
4. Grant of this STA is without prejudice to any determination that the Commission may make regarding COMSAT's pending associate application FCC IBFS File Number SES-MOD-20190513-00605 or future COMSAT applications.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at COMSAT's risk.

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 upon release.

COMSAT, Inc.

Request for Special Temporary Authority to  
Operate Santa Paula Teleport Standard Ku-band Hub Antennas to  
Communicate with Satellites on the Permitted List While Application for Permanent  
Authorization is Pending

File Number SES-MOD-20190513-00605

Call Sign E930320

COMSAT, Inc. ("COMSAT") respectfully requests a grant of Special Temporary Authority ("STA") effective August 28, 2019 to allow COMSAT to operate the Santa Paula Teleport Hub antennas which are the subject of application for permanent authorization under file number SES-MOD-20190513-00605 to communicate with Satellites on the Permitted List in the standard Ku-band while the Commission processes the application.

COMSAT's Showing that the antennas comply with the Commission's Rules is set forth in the pending Application and Exhibits to same which are hereby incorporated by reference. As detailed therein, all fully comply with all Commission Regulations and no waivers are needed or requested for operation of the antennas. Grant of this STA is in the public interest as services to be provided utilizing these antennas include contingency and dedicated link communications for major U.S. corporations as well as support of nuclear proliferation treaty compliance monitoring.

Accordingly, Comsat respectfully requests that the International Bureau grant the STA to be effective August 28, 2019 for a period of sixty (60) days. Operation of the antennas will be in full compliance with the Commission's Rules as well as all provisions of the E930320 license.

Any questions with respect to this matter may be directed to Howard Wisniewski at 805-933-4030 or James G. Lovelace at 571-599-3643.