# COMSAT

October 19, 2020

**By Electronic Filing**

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

> Re:     SES-MFS-20200521-00554
>          E890649 Modification Application
>          Correction of Certain E48 and E49 Entries

Dear Ms. Dortch:

Please accept this letter as a pleading to correct certain of the values entered in captioned Modification Application for question E48. Maximum ERIP per Carrier (dBW) and question E49. Maximum ERIP Density per Carrier (dBW/4kHz).   Correction is needed for entries for four of the Emission Designators for which authorization is being requested for the SAPA15Ku antenna.  Correction is needed for entries for eight of the Emission Designators for which authorization is being requested for the SAPA41Ku antenna.

The incorrect entries for the SAPA15Ku antenna were for the E48 and E49 values for the 13750 - 14500 Transmit 32K Emission Designators.  The incorrect entries for the SAPA41Ku antenna were for the E49 values for the 14000 -14500 Transmit 32K and 54M Emission Designators.  The correct values for each of these entries is set forth below as well as noted on the attached mark-up of the Modification Application.

The following are the correct values for the E48 and E49 entries for the SAPA15Ku antenna.

| Antenna ID | Emission Designator | E49. Maximum ERIP per Carrier(dBW) | E49. Maximum ERIP Density per Carrier(dBW/4kHz) |
|---|---|---|---|
| SAPA15Ku | 32K0D1W | 12.00 | 2.97 |
| SAPA15Ku | 32K0D7W | 12.00 | 2.97 |
| SAPA15Ku | 32K0F1W | 12.00 | 2.97 |
| SAPA15Ku | 32K0F7W | 12.00 | 2.97 |

# COMSAT

The following are the correct values for the E49 entries for the SAPA41Ku antenna.
(No corrections are required for the SAPA41Ku E48 entries.)

| Antenna ID | Emission Designator | E49. Maximum ERIP Density per Carrier(dBW/4kHz). |
|---|---|---|
| SAPA41Ku | 32K0D1W | 36.18 |
| SAPA41Ku | 32K0D7W | 36.18 |
| SAPA41Ku | 32K0F1W | 36.18 |
| SAPA41Ku | 32K0F7W | 36.18 |
| SAPA41Ku | 54M0D1W | 13.48 |
| SAPA41Ku | 54M0D7W | 13.48 |
| SAPA41Ku | 54M0F1W | 13.48 |
| SAPA41Ku | 54M0F7W | 13.48 |

As noted above, the needed corrections are also set forth on the attached mark-up of the Modification Application.  Please contact the undersigned at +1.203.262.5051 or James G. Lovelace at +1.571.599.3643 or jlovelace.ctr@comsat.com with any questions.

Respectfully submitted,

Patrick Madigan
Operations Manager
COMSAT, Inc.

Approved by OMB
3060-0678

Date & Time Filed: May 21 2020 9:00:56:396PM
File Number: SES-MFS-20200521-00554

| FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD - MAIN FORM | FCC Use Only |
|---|---|
| FCC 312 MAIN FORM FOR OFFICIAL USE ONLY | |

## APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Refile to Modify E890649 to update authorization for Ku-band Hub Antenna currently authorized by license and add authorization to the license for one new Ku-band Hub Antenna

### 1-8. Legal Name of Applicant

| | | | |
|---|---|---|---|
| Name: | Comsat, Inc. | Phone Number: | 201-262-5052 |
| DBA Name: | | Fax Number: | 571-599-3670 |
| Street: | 2550 Wasser Terrace Suite 6000 | E-Mail: | pmadigan@comsat.com |
| City: | Herndon | State: | VA |
| Country: | USA | Zipcode: | 20171 = |
| Attention: | Mr. Patrick Madigan | | |

### 9-16. Name of Contact Representative

| | | | |
|---|---|---|---|
| Name: | James G. 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: | James G. Lovelace | Relationship: | Other |

## CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

- a1. Earth Station
- a2. Space Station

(N/A) b1. Application for License of New Station
(N/A) b2. Application for Registration of New Domestic Receive-Only Station
   b3. Amendment to a Pending Application
   b4. Modification of License or Registration
b5. Assignment of License or Registration
b6. Transfer of Control of License or Registration
   b7. Notification of Minor Modification
(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
(N/A) b10. Other (Please specify)
(N/A) b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States
(N/A) b12. Application for Database Entry
   b13. Amendment to a Pending Database Entry Application
   b14. Modification of Database Entry

17c. Is a fee submitted with this application?
   If Yes, complete and attach FCC Form 159.

If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).
   Governmental Entity    Noncommercial educational licensee
   Other(please explain):

17d.
Fee Classification CGX - Fixed Satellite Transmit/Receive Earth Station

| 18. If this filing is in reference to an existing station, enter: | 19. If this filing is an amendment to a pending application enter both fields, if this filing is a modification please enter only the file number: |
|---|---|

**Please see corrections noted below**

| | | | | | | |
|---|---|---|---|---|---|---|
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 10950 11200 | R | Horizontal and Vertical | 72M0F1W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 10950 11200 | R | Horizontal and Vertical | 72M0F7W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 32K0D1W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 32K0D7W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 32K0F1W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 32K0F7W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 72M0D1W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 72M0D7W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 72M0F1W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 11450 12200 | R | Horizontal and Vertical | 72M0F7W | 0.0 | 0.0 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 13771 | T | Horizontal and Vertical | 72M0D1W | 71.0 | 28.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 13771 | T | Horizontal and Vertical | 72M0D7W | 71.0 | 28.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 13771 | T | Horizontal and Vertical | 72M0F1W | 71.0 | 28.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 13771 | T | Horizontal and Vertical | 72M0F7W | 71.0 | 28.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 14500 | T | Horizontal and Vertical | 32K0D1W | 50.9 ~~~~ *12.0* | 14.7 *2.97* |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 14500 | T | Horizontal and Vertical | 32K0D7W | 50.9 *12.0* | 14.7 *2.97* |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 14500 | T | Horizontal and Vertical | 32K0F1W | 50.9 *12.0* | 14.7 *2.97* |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13750 14500 | T | Horizontal and Vertical | 32K0F7W | 50.9 *12.0* | 14.7 *2.97* |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13772 13778 | T | Horizontal and Vertical | 72M0D1W | 67.0 | 24.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13772 13778 | T | Horizontal and Vertical | 72M0D7W | 67.0 | 24.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13772 13778 | T | Horizontal and Vertical | 72M0F1W | 67.0 | 24.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13772 13778 | T | Horizontal and Vertical | 72M0F7W | 67.0 | 24.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13779 14500 | T | Horizontal and Vertical | 72M0D1W | 71.0 | 28.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13779 14500 | T | Horizontal and Vertical | 72M0D7W | 71.0 | 28.5 |
| E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation | | | | | | |
| SAPA15Ku | 13779 14500 | T | Horizontal and Vertical | 72M0F1W | 71.0 | 28.5 |

**No changes on page 7 or 8**

| SAPA41Ku | 10950 11200 | R | Horizontal and Vertical | 54M0D7W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 10950 11200 | R | Horizontal and Vertical | 54M0F1W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 10950 11200 | R | Horizontal and Vertical | 54M0F7W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 32K0D1W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 32K0D7W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 32K0F1W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 32K0F7W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 54M0D1W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 54M0D7W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 54M0F1W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 11450 12200 | R | Horizontal and Vertical | 54M0F7W | 0.0 | 0.0 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 32K0D1W | 45.2 | ~~9.2~~ 36.18 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 32K0D7W | 45.2 | ~~9.2~~ 36.18 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 32K0F1W | 45.2 | ~~9.2~~ 36.18 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 32K0F7W | 45.2 | ~~9.2~~ 36.18 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 54M0D1W | 54.8 | ~~18.8~~ 13.48 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 54M0D7W | 54.8 | ~~18.8~~ 13.48 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 54M0F1W | 54.8 | ~~18.8~~ 13.48 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

| SAPA41Ku | 14000 14500 | T | Horizontal and Vertical | 54M0F7W | 54.8 | ~~18.8~~ 13.48 |
|---|---|---|---|---|---|---|

E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation

**FREQUENCY COORDINATION**

| E28. Antenna Id | E51. Satellite Orbit Type | E52/53. Frequency Limits(MHz) | E54/55. Range of Satellite Arc Eastern/Western Limit | E56. Earth Station Azimuth Angle Eastern Limit | E57. Antenna Elevation Angle Eastern Limit | E58. Earth Station Azimuth Angle Western Limit | E59. Antenna Elevation Angle Western Limit | E60. Maximum EIRP Density toward the Horizon(dBW/4kHz) |
|---|---|---|---|---|---|---|---|---|
| SAPA41Ku | Geostationary | 10950 11200 | 57.0/190.0 | 106.0 | 14.0 | 260.0 | 6.0 | 0.0 |
|  | Geostationary | 11450 12200 | 57.0/190.0 | 106.0 | 14.0 | 260.0 | 6.0 | 0.0 |
|  | Geostationary | 14000 14500 | 57.0/190.0 | 106.0 | 14.0 | 260.0 | 6.0 | 14.0 |

**REMOTE CONTROL POINT LOCATION**

| E61. Call Sign | E66. Phone Number |
|---|---|
|  |  |