

mark up showing corrections to
 SES-MFS-20200521-00554 modification
 Application

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 312 MAIN FORM FOR OFFICIAL USE ONLY	FCC Use Only
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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. <input checked="" type="radio"/> a1. Earth Station <input type="radio"/> a2. Space Station	(N/A) b1. Application for License of New Station (N/A) b2. Application for Registration of New Domestic Receive-Only Station <input type="radio"/> b3. Amendment to a Pending Application <input checked="" type="radio"/> b4. Modification of License or Registration b5. Assignment of License or Registration b6. Transfer of Control of License or Registration <input type="radio"/> 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 <input type="radio"/> b13. Amendment to a Pending Database Entry Application <input type="radio"/> b14. Modification of Database Entry
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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:
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No changes on page 1 or pages 2-5

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

page 9 Please see corrections noted below

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	92 36.18
E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation						
SAPA41Ku	14000 14500	T	Horizontal and Vertical	32K0D7W	45.2	92 36.18
E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation						
SAPA41Ku	14000 14500	T	Horizontal and Vertical	32K0F1W	45.2	92 36.18
E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation						
SAPA41Ku	14000 14500	T	Horizontal and Vertical	32K0F7W	45.2	92 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 13.49
E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation						
SAPA41Ku	14000 14500	T	Horizontal and Vertical	54M0D7W	54.8	18.8 13.49
E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation						
SAPA41Ku	14000 14500	T	Horizontal and Vertical	54M0F1W	54.8	18.8 13.49
E50. Modulation and Services Digital Traffic Using Phase and Amplitude Modulation						
SAPA41Ku	14000 14500	T	Horizontal and Vertical	54M0F7W	54.8	18.8 13.49
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
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No corrections in remainder of Application