

Marlink, Inc.

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:
Extension of STA to Operate 5 Winegard WX1200 1.2 M Ku-band Antennas

1. Applicant

Name:	Marlink, Inc.	Phone Number:	713-910-3352
DBA Name:		Fax Number:	713-946-0403
Street:	3327 South Sam Houston Parkway East Suite 100	E-Mail:	Tom.Collins@marlink.com
City:	Houston	State:	TX
Country:	USA	Zipcode:	77047
Attention:	Tom Collins		

180 days "with conditions"

File # SES-STA-20190829-01131

Call Sign N/A Grant Date 10/24/2019
(or other identifier)

Term Dates From: 10/24/2019 To: 04/24/2020

Approved: *[Signature]*



2. Contact	
Name: David Atabala	Phone Number: 281-809-9708
Company: Marlink, Inc.	Fax Number: 713-946-0403
Street: 3327 South Sam Houston Parkway East Suite 100	E-Mail: Davud,Atabaka@Marlink.com
City: Houston	State: TX
Country: USA	Zipcode: -
Attention:	Relationship: 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 SESSTA2019080101018 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 CGS - Fixed Satellite Small 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	
09/10/2019	

7. City	8. Latitude (dd mm ss.s h) 0 0 0.0
9. State	10. Longitude (dd mm ss.s h) 0 0 0.0
11. Please supply any need attachments. 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.) NULL	
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 David Atabala	15. Title of Person Signing Technical Sales Support Engineer
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.

180 days



File # SES-STA-20190829-01131

Call Sign N/A Grant Date 10/24/2019
(or other identifier)

Term Dates
From: 10/24/2019 To: 04/21/2020

Approved: [Signature]

Applicant: Marlink, Inc-
File No.: SES-STA-20190829-01131
Call Sign: N/A
Special Temporary Authority

Marlink, Inc is granted special temporary authority for 180 days, beginning October 24, 2019, to operate up to five 5 Winegard, Model WX 1200, 1.2 Meter Ku-band temporary fixed VSAT antennas terminals within the US&P with the Galaxy 23 satellite(S2592) at the 121 W.L. orbital locations and the Galaxy 19 satellite (S2592) in the 11.7-12.2 GHz (space-to Earth) and 14.0-14.5 GHz (Earth-to-space) frequency bands under the following conditions:

1. Operations will not exceed:

Frequency (MHz)	Polarization	Emission	Tx/Rx	Max EIRP /Carrier (dBW)	Max EIRP Density (dBW/4kHz)
11700-12000	H&V	565KG7W	R		
14000-14500	H&V	565KG7W	T	49.97	29.15

- In the event of any harmful interference under this grant of special temporary authority, Marlink, Inc must cease operations immediately upon notification of such interference and must immediately inform the Commission in writing of such an event.
- All operators of satellites must 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 Intelsat satellite is Ph.: (703) -559-7701-East Coast Operations Center (primary) (310)525-5591-West Coast Operations Center (back-up). Request to speak with Harry Burnham or Kevin Bell. The Marlink Network Operating Center (MNOC) point of contact is available 24 hours a day, seven days a week is 203-346-0461.
- Transmitters(s) must be turned off during antenna maintenance to ensure compliance with the FCC-specified safety guidelines for human exposure to radiofrequency radiation in the region between the antenna feed and the reflector. Appropriate measure must also be taken to restrict access to other regions in which the earth station's power flux density levels exceed the specified guidelines.
- Any action taken, or expense incurred as a result of operations pursuant to this special temporary authority is solely at Marlink's risk.
- Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future Marlink applications.
- Operation of these antennas from expiration of SES-STA-20190801-01018 to grant of this special temporary authority was authorized pursuant to 47 CFR §1.62

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.

Marlink, Inc.

Request for Extension of Special Temporary Authority to
Operate 5 Winegard Model WX 1200 1.2 Meter Temporary Fixed VSAT Antennas to
Communicate With Intelsat 23 and Galaxy 19 Satellites

FILE NO. SES-STA-20190801-01018

Marlink, Inc. ("Marlink") respectfully requests extension of Special Temporary Authority ("STA") for a period of 180 days, effective September 10, 2019, to operate 5 Winegard Model WX 1200 ("WX 1200") 1.2 Meter Ku-band temporary fixed VSAT antennas to communicate with the U.S. licensed Intelsat 23 and Galaxy 19 satellites for a demonstration and testing project. The purpose of the project is to evaluate performance of Marlink's network in the monitoring of crude oil extraction points in desolate areas and identify specifics and particulars to be used for an application for a permanent license.

The antennas will continue to be operated in CONUS by remote control via the Marlink Network Operations Center (MNO) located in Eik, Norway which controls the remote antennas via uplink teleports located in the U.S. The MNO control of the antennas located in the U.S. is in turn controlled by Marlink's U.S. FCC Point of Contact which has a business address of 3327 S. Sam Houston Parkway East, Suite 100, Houston, Texas, 77047 and is available 24 hours a day, seven days a week via 203-346-0461 which is the U.S. number for the MNO.

The Technical Specifications published by Winegard for the WX 1200 antenna state that radiation pattern compliance is with FCC Part 25.209. No frequency coordination or coordination with another country is required for the operation of these antennas as transmissions are within the U.S. on standard Ku-band frequencies. FAA notification is not required as the antennas will be located in areas with structures of equal or greater heights. A Radiation Hazard Report is included as an exhibit with the STA extension application.

The Points of Communication for which extension of the STA is requested are the U.S. licensed Intelsat 23 and Galaxy 19 satellites. The Transmit and Receive Gains for the WX 1200 antenna are 43 dBi @ 14.125 GHz and 41.5 dBi @ 11.950 GHz respectively. The STA extension is requested to operate the antennas utilizing a total input power to the antenna flange of 5.4 watts with a total EIRP for all carriers of 50.8 dBW. Extension of the STA is requested to utilize the following Emission Designators -

Frequency (MHz)	Polarization	Emission	Tx/Rx	Max EIRP /Carrier (dBW)	Max EIRP Density (dBW/4kHz)
11700-12000	H&V	565KG7W	R		

14000-14500 H&V 565KG7W T 49.97 29.15

Modulation & Services - DIGITAL TRAFFIC USING QPSK MODULATION

Extension of the STA is in the public interest because, as noted above, the antennas are being operated for the purpose of evaluating the performance of Marlink's network in the monitoring of crude oil extraction points in desolate areas. Crude oil extraction is an important element in meeting the nation's energy needs. As noted above, specifics and particulars identified during the STA will be used for an application Marlink intends to file for a permanent license. It is therefore respectfully requested that extension of the STA as described above be granted for a period of 180 days, effective September 10, 2019.

Any questions with respect to this matter may be directed to David Atabala at 281-809-9708 or James G. Lovelace at 571-599-3643.