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Marlink, Inc.

Application for Modification of WB36 License to
Authorize Increase in Power to the Antenna Flange and
New Associated Specifications and Emission Designators for up to
500 Thrane & Thrane Model TT7080A “Sailor 800A” 0.83 Meter Ku-Band Antennas,
500 Intellian Model “V150NX” 1.50 Meter Ku-Band Antennas and
500 Intellian Model “V85NX” 0.85 Meter Ku-Band Antennas
And

Add Authorization for up to
500 Intellian Model "V80e" 0.80 Meter Ku-band Antennas,
500 Intellian Model "V100NX" 1.05 Meter Ku-band Antennas,
500 Intellian Model "V130NX" 1.25 Meter Ku-band Antennas,
500 Intellian Model "V240MTKu" 2.4 Meter Ku-band Antennas,
500 Intellian Model "V240MTKa" 2.4 Meter Ka-band Antennas,
500 Intellian Model "V240MT Gen2Ku" 2.4 Meter Ku-band Antennas,
500 Intellian Model "V240MT Gen2Ka" 2.4 Meter Ka-band Antennas,
500 SeaTel Model "2400Ku" 2.4 Meter Ku-band Antennas and
500 SeaTel Model "2400Ka" 2.4 Meter Ka-band Antennas
to the
WB36 Authorization for Earth Stations in Motion (ESIM),

SES-MOD-20171011-01136

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The following information is provided as required by Section 115 (a)(5):

(i) The service to be provided is for Earth Stations on Vessels (ESV) operating in U.S. and international waters. The authorizations requested in this Modification Application are for ESVs transmitting in Ka-band and Ku-band communicating with satellites on the Permitted Space Station List.

(ii) The diameters of the antennas that are the subject of this Modification Application:

Sailor 800A - 0.83 meter
V80e - 0.80 Meter
V85NX - 0.85 meter
V100NX – 1.05 meter
V130NX - 1.25 Meter
V150NX - 1.50 meter
V240MTKu - 2.4 meter
V240MTKa - 2.4 meter
V240MTGen2Ku - 2.4 meter
V240MTGen2Ka - 2.4 meter

Exhibit 2 – Section 25.115 (a)(5) “Informative Attachment”

2400Ku - 2.4 Meter

2400Ka - 2.4 Meter

(iii) The proposed power and power density levels for the antennas that are the subject of this Modification Application:

Sailor 800A – 18.2 W / 42.6 dBm

V80e – 5.7 W / 37.6 dBm

INTV85NX – 20.0 W / 43.0 dBm

V100NX – 21.4 W / 43.3 dBm

V130NX – 34.0 W / 45.3 dBm

INTV150NX - 151.4 W / 51.8 dBm

V240MTKu – 263.0 W / 54.2 dBm

V240MTKa – 66.1 W / 48.2 dBm

V240MTGen2Ku – 295.1 W / 54.7 dBm

V240MTGen2Ka – 74.1 W / 48.7 dBm

2400Ku – 260.0 W / 54.15 dBm

2400Ka – 79.4 W / 49.0 dBm

(iv) No random access technique will be used for this service.

(v) Waivers being requested:

Waiver of the U.S. Table of Frequency Allocations;

Waiver of the “and” requirement in §25.115(c)(3)(i);

Waiver for the Sea Tel 2400 Ku-band antenna of the

§25.115(g)(1)(vi) requirement that the information submitted to satisfy

§25.115(g)(1) include plots measured with maximum skew as described in

§25.132(b)(1)(iv)