

Marlink-ITC, Inc.

Modification Application to Add Authorization for up to
500 Intellian Model "V45C" 0.45 Meter Ku-band Antennas,
500 Intellian Model "V60E" 0.65 Meter Ku-band Antennas,
500 KNS Model "C4" 0.45 Meter Ku-band Antennas,
500 KNS Model "Z6" 0.61 Meter Ku-band Antennas,
500 KNS Model "Z7" 0.75 Meter Ku-band Antennas,
500 KNS Model "Z8" 0.83 Meter Ku-band Antennas,
500 KNS Model "Z10" 1.0 Meter Ku-band Antennas,
500 Intellian Model "V240MTC" 2.4 Meter C-band Antennas,
500 Intellian Model "V240MTGen2C" 2.4 Meter C-band Antennas and
500 SeaTel Model "2400C" 2.4 Meter C-band Antennas
to the
WB36 Authorization for Earth Stations on Vessels (ESV)

SES-MOD-20200528-00575

Call Sign WB36

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 the C-band and the 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:

Intellian V45C - 0.45 Meter
Intellian V60E - 0.65 Meter
KNS C4 - 0.45 Meter
KNS Z6 - 0.61 Meter
KNS Z7 - 0.75 Meter
KNS Z8 - 0.83 Meter
KNS Z10 - 1.0 Meter
V240MTC - 2.4 Meter
V240MTGen2C - 2.4 Meter
2400C - 2.4 Meter

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

Intellian V45C - 5.75 W / 37.6 dBm
Intellian V60E - 5.75 W / 37.6 dBm
KNS C4 - 5.2 W / 37.2 dBm
KNS Z6 - 6.9 W / 38.4 dBm

Exhibit 2 –

Section 25.115 (a)(5) “Informative Attachment”

KNS Z7 - 6.9 W / 38.4 dBm
KNS Z8 - 6.9 W / 38.4 dBm
KNS Z10 - 6.9 W / 38.4 dBm
V240MTC - 302 W / 54.8 dBm
V240MTGen2C – 338.8 W / 55.3 dBm
2400C – 309.0 W / 54.9 dBm

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

(v) A Waiver 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) is being requested for the Sea Tel 2400C C-band antenna.

See Exhibit 9 for details and justification.