

Exhibit 1 - Showing of Compliance with Section 25.222

Astrium Services Government, Inc.

Application to Modify WB36 License to
Update the Particulars of Operation and Antenna Facilities Information
For the SeaTel Model 9797/9711 2.4 Meter Ku-band Earth Station on Vessel (ESV)
Remote Antennas Currently Authorized per the License;
and
Add up to 500 Intellian Model v240K 2.4 Meter Ku-band ESV Remote Antennas
to
Call Sign WB36 License ESV Authorization

SES-MFS-20130612-00485

By this application applicant Astrium Services Government, Inc. (Astrium) is requesting that the Particulars of Operation and Antenna Facilities information for the SeaTel Model 9797/9711 2.4 Meter Ku-band ESV remote antenna currently authorized for use to provide ESV service per the WB36 license be updated.

It is requested that the following Particulars of Operation information listed in the WB36 license be deleted –

277)	14000.0000 - 14500.0000	H,V	44K8G7W	T	44.95	34.45	9797/11KU	Digital Traffic Using QPSK AND BPSK MODULATION
277)	14000.0000 - 14500.0000	H,V	15M0G1W	T	63.72	28.00	9797/11KU	Digital Traffic Using QPSK AND BPSK MODULATION
278)	14000.0000 - 14500.0000	H,V	15M0G7W	T	63.72	28.00	9797/11KU	Digital Traffic Using QPSK AND BPSK MODULATION
279)	14000.0000 - 14500.0000	H,V	44K8G7W	T	44.95	34.45	9797/11KU	Digital Traffic Using QPSK AND BPSK MODULATION
280)	14000.0000 - 14500.0000	H,V	44K8G7W	T	44.95	34.45	9797/11KU	Digital Traffic Using QPSK AND BPSK MODULATION

The updated Particulars of Operation information is then to be added back to the license as per the E43/44., E45., E46., E47., E48. and E49. information set forth for the Sea Tel 9797/9711 antenna in the Schedule B of the Modification Application.

It is requested that the following Antenna Facilities information listed in the WB36 license be deleted-

9797/11KU	9797/11KU	500	2.4	SEA TEL KU	9797 & 9711
Max Gains(s):47.8 dBi @ 11.8500 GHz 48.5 dBi @ 14.2500 GHz					
Maximum total input power at antenna flange (Watts) = 33.66					
Maximum aggregate output EIRP for all carriers (dBW)63.72					

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The updated Antenna Facilities information is then to be added back to the license as per the E29., E30., E31., E32., E33/34., E35., E36., E37., E38., E39., E40 and E41/42. information set forth for the Sea Tel 9797/9711 antenna in the Schedule B of the Modification Application.

Astrium also requests that the Intellian Model v240K 2.4 Meter Ku-band ESV remote antenna be added to the WB36 authorization to provide ESV service.

Both remote ESVs – the antenna currently authorized which is being updated and the new antenna which is being added to the authorization - will be located on vessels traveling in U.S. and international waters. They will operate with hub antennas that are separately licensed and will be utilized to provide ESV service in the same manner as previously authorized by the Commission and will be operated in full compliance with the requirements of the Commission's ESV regulations as set forth in part 25 of the Rules. Astrium's Showing of Compliance with Part 25 of the Commission's Rules follows herewith and the exhibits required by Section 25.222 are included as attachments to the Modification Application.

Showing of Compliance for the Antennas and ESV service with Part 25 of the Commission's Rules

Section 25.222

(a)(1) Comply

See the Sea Tel declaration and Exhibits 2, 3, and 4 for the Sea Tel Model 9797/9711 Ku-band antennas.

See the Intellian declaration and Exhibits 5, 6 and 7 for the Intellian model v240K Ku-band antennas.

Both ESV antennas use transmitters that have off-axis EIRP spectral densities less than or equal to the levels in paragraph 25.222(a)(1)(i) and meet the requirements of 25.222 (a)(1)(i)(A-C) with an N value of 1. The referenced exhibits provide the detailed demonstration described in paragraph 25.222 (b)(1). The Sea Tel and Intellian declarations also contain the certifications that the antennas comply with the pointing requirement in paragraph 25.222 (a)(1)(ii)(A) and the cessation of emission requirement in paragraph 25.222 (a)(1)(iii)(A).

(a)(2) Not Applicable

(a)(3) Not Applicable

(a)(4) Comply. The Astrium ESV Compliance Officer has authority and ability to cease all emissions from ESVs through the facilities of Astrium teleports or through facilities of non-Astrium teleports used to uplink Astrium operated ESVs

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pursuant to telehousing arrangements. This point of contact is available 24 hours a day, seven days a week via the Astrium Southbury, CT teleport at 203-262-5010.

(a)(5) Comply. These records are being collected and maintained as specified. Requests to make this data available may be directed to the Astrium ESV Compliance Officer via the Southbury teleport at 203-262-5010.

(a)(6) Comply.

(a)(7) Comply. The ESVs are controlled by the Astrium teleports located in the United States or non-Astrium teleports located in the United States used to uplink Astrium operated ESVs pursuant to telehousing arrangements.

(a)(8) Comply.

(b)(1) Comply. The tables described in 25.221(b)(1)(i) are attached as the following exhibits:

Exhibits 2, 3, and 4 for the Sea Tel Model 9797/9711 Ku-band antennas;

Exhibits 5, 6 and 7 for the Intellian model v240K Ku-band antennas.

The value N described in 25.222(a)(1)(i)(A) is 1. Exhibits 2 and 5 provide the detailed demonstration described in paragraph 25.222(b)(1)(i)(A). Exhibits 3 and 6 provide the detailed demonstration described in paragraph 25.222(b)(1)(i)(B). Exhibits 4 and 7 provide the detailed demonstration described in paragraph 25.222(b)(1)(i)(C). The certifications from the equipment manufacturer stating that the tracking systems meet the pointing and cessation of emission requirements of 25.222(b)(1)(iii) are contained in the Sea Tel and Intellian declarations.

(b)(2) Not Applicable.

(b)(3) Not Applicable.

(b)(4) Comply. See Operations Areas Exhibit.

(b)(5) Comply. The Astrium ESV Compliance Officer has authority and ability to cease all emissions from ESVs through the facilities of Astrium teleports or through facilities of non-Astrium teleports used to uplink Astrium operated ESVs pursuant to telehousing arrangements. This point of contact is available 24 hours a day, seven days a week via the Astrium Southbury, CT teleport at 203-262-5010.

(b)(6) Comply. See the Radiation Hazard Report Exhibit.

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- (c) Comply. Astrium has completed coordination with NASA for ESV operations in the 14.0 – 14.2 GHz frequency band within 125 km of NASA TDRSS facilities protected per 24.222 (c). The coordination has been filed with the Commission for completion of the coordination process. Until the coordination process is completed Astrium will continue to comply with 25.222 (c) by not operating Ku-band ESVs at all in the 14.0 – 14.2 GHz frequency band within the specified distances of the protected facilities.
- (d) Comply. Astrium does not operate any ESVs in the 14.47 – 14.5 GHz frequency band.