



U.S. Department
of Transportation
**Federal Aviation
Administration**

DEC 11 2008

Mr. Andy Leimer
Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, Maryland 21046

Dear Mr. Leimer:

The Federal Aviation Administration (FAA), Office of ATC Spectrum Engineering Services, has reviewed the Type Acceptance Certification request from Thales Avionics Limited, for the SDU-82155A1 satellite data unit (FCC ID Number KV6TFS-SDU-82155A1), the SDU-82155D satellite data unit (FCC ID Number KV6TFS-SDU-82155D), and the HPA-82166A high power amplifier (FCC ID Number KV6TFS-HPA-82166A). The FAA has no objections to the certification of this equipment that transmits in the 1626.5-1660.5 MHz frequency band and receives in the 1525-1559 MHz frequency band, subject to the applicant's equipment operating in accordance with the footnotes in the International Telecommunications Union Table of Frequency Allocations and the United States (U.S.) Table of Frequency Allocations.

Applicable International footnotes as follows:

1. 5.351 – The bands 1525-1544 MHz, 1545-1559 MHz, 1626.5-1645.5 MHz and 1646.5-1660.5 MHz shall not be used for feeder links of any service.
2. 5.356 – The use of the band 1544-1545 by the mobile –satellite service (Earth-to-space) is limited to distress and safety communications.
3. 35.375 – The use of the band 1645.5-1646.5 MHz by the mobile-satellite service (Earth-to-space) and for inter-satellite links is limited to distress and safety communications.

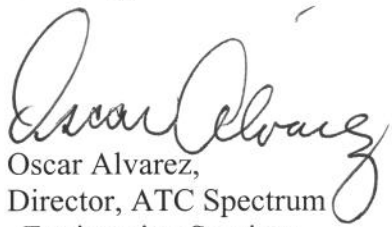
Applicable U.S. footnotes as follows:

1. US308 – In the frequency bands 1549.5-1558.5 MHz and 1651-1660 MHz, the Aeronautical-Mobile-Satellite (R) requirements that cannot be accommodated in the 1545-1549.5 MHz, 1558.5-1559 MHz, 1646.5-1651 MHz, and 1660-1660.5 MHz bands shall have priority access with real-time preemptive capability for communications in the mobile-satellite service. Systems not interoperable with aeronautical mobile-satellite (R) service shall operate on a secondary basis. Account shall be taken of the priority of safety-related communications in the mobile-satellite service.
2. US315 – In the frequency band 1530-1544 MHz and 1626.5-1645.5 MHz maritime mobile-satellite distress and safety communications, e.g. global maritime distress and

safety system (GMDSS), shall have priority access with real-time preemptive capability in the mobile-satellite service. Communications of mobile-satellite system stations not participating in GMDSS shall operate on a secondary basis to distress and safety communications of stations operating in the GMDSS. Account shall be taken of the priority of safety-related communications in the mobile-satellite service.

Should you have any questions or concerns, please contact Mr. Donald Nellis, Electronics Engineer, Spectrum Planning and International Office, at (202) 267-9779.

Sincerely,

A handwritten signature in black ink, appearing to read "Oscar Alvarez", is written over the typed name and title.

Oscar Alvarez,
Director, ATC Spectrum
Engineering Services

cc:

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