

ASRI



Aviation
Spectrum
Resources, Inc.

2551 Riva Road
Annapolis, Maryland 21401-7435
410-266-4800

September 7, 2010

Federal Communications Commission
Office of Engineering and Technology
445 12TH ST SW
Washington DC 20554

RE: Universal Avionics Systems Corporation
File number 0417-EX-PL-2010
Frequencies- 131.550, 136.850, 136.975 MHz.

To whom it may concern:

Aviation Spectrum Resources Inc (ASRI) acknowledges and has recorded in our master database the request from Universal Avionics Systems Corporation for a 1- year experimental authorization under File number 0417-EX-PL-2010 for the above-mentioned frequencies.

ASRI is the band manager for the aeronautical enroute spectrum (128-132 and 136. 136.975 MHz formerly coordinated by Aeronautical Radio Inc (ARINC). ARINC and Societe Internationale de Telecommunications Aeronautiques (SITA) provided AQP approval to operate over both provider ACARS and VDL mode 2 networks networks.

The UniLink UL-801 product is an ACARS Communication Management Unit (CMU) that contains an embedded VHF Data Radio (VDR). The VDR supports data communications only (no support is provided for voice communications). The two data modes of operation are mode 2 which is VDL Mode 2 D8PSK modulation-based communication and Mode A which is MSK modulation-based communication. The performance requirements of the embedded radio satisfy avionics industry requirements.

For mode 2 operation, the VDR is developed in compliance with TSO-C160 for equipment classes "F" (VDL mode 2 receiver used in a 25 kHz channel separation environment) and "7" (VDL mode 2 transmitter used in a 25 kHz channel separation environment, intended to operate with a range of 200 nautical miles) and Equipment Architectures "W" (CMU) and "Y" (VDR). This TSO requires compliance with RTCA/DO-281A Minimum Operational Performance Standards for Aircraft VDL Mode 2 Physical, Link and Network Layer.

For mode A operation, the VDR is developed in compliance with TSO-C169A for Equipment Classes "D" (Receiver used in a 25 kHz channel separation environment not having offset carrier operation) and "3" (Transmitter used in a 25 kHz channel separation environment intended to operate with a range of 200 nautical miles).

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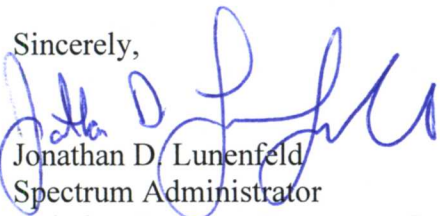


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If you have any questions regarding this matter please direct them to me at 410-266-2132 or e-mail jdl@asri.aero.

Sincerely,



Jonathan D. Lunenfeld
Spectrum Administrator
Aviation Spectrum Resources, Inc.