HARRIS

HARRIS CORPORATION

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August 8, 2000

Mr. George Sakai
Federal Aviation Administration
Spectrum Engineering Division
800 Independence Ave. S.W.
Washington, D.C. 20591

Subject: Pending FCC Certification Approval
Harris Corporation, RF Communications Division – Model VSR-4141-001

Dear Mr. Sakai:

In accordance with § 87.147 (d) of the FCC Rules, the RF Communications Division of Harris Corporation herewith declares to you its intention to pursue an Equipment Authorization under FCC Part 87. The equipment, to be authorized under a grant of Certification, is a differential GPS VHF ground station transmitter for use in Special Category I (SCAT-I) landing and approach systems. The transmitter will use an 8-phase differentially encoded phase shift keying (D8PSK) modulation.

Attached you will find a copy of the pertinent information that is included in our FCC submission. Please advise if you desire any further information regarding this product. You may contact me by telephone at (716) 242-3126, or via e-mail at dsnyder@harris.com.

Thank you in advance for your cooperation in clearing this product for approval.

Sincerely,

David F. Snyder

David F. Snyder
Engineering Manager

Attachment

Attachment to FAA Notification Letter
Harris Corporation FCC Application
FCC ID AQZ-VSR-4141-001

The following information is being provided to the FAA Spectrum Engineering Division as an attachment to the letter of notification.

FCC Identification Number: The FCC ID for this device will be AQZ-VSR-4141-001, which will appear on the rear of the transmitter in accordance with the FCC Rules.

Manufacturer And Model Number: The model number will be VSR-4141-001, manufactured by Harris Corporation, RF Communications Division.

Rated Transmitter Output Power: 20 Watts average (D8PSK). Power output levels of 17.8 Watts (-0.5 dB) and 15.9 Watts (-1.0 dB) are also selectable. Nominal antenna impedance is 50 ohms.

Frequency Range: 112.000 to 117.950 MHz

Tuning Method: Frequency synthesis

Channeling Capability: 25 kHz channel spacing

Frequency Stability: 1 ppm over the operating temperature range of -15° to + 55° C

Emission Bandwidth: 25 kHz authorized bandwidth for D8PSK

Emission Type: 14K0G7DET