

DETAC VHF - HF System

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by

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Purpose of the system:

The purpose of the system is to test various ARINC system used with our production and flight testing of aircraft.

Antenna Data:

The HF antenna is a vertical roof mounted, multi-band, tuned HF, omni, whip antenna with 4 dB gain. The antenna is based on the roof and the tip of the antenna does not exceed the 6.1 meter rule.

The VHF antenna is a vertical mounted omni antenna with 4 dB gain. The antenna is based on the roof and the tip of the antenna does not exceed the 6.1 meter rule.

Both antennas have been registered with the FAA and received study number 2004-AWP-2985-OE. The FAA has no objections as an obstruction or the frequency and RF power in this study.

An attempt was made to file an FCC ASR, however the automated system determined that since the antenna were less than 6.1 meters, and no ASR was required.

Modulation Data:

The HF modulation is analog telephony and low digital data rate. The VHF modulation is analog telephony and low digital phase modulated data,.

ARINC Coordination:

A request for coordination to ARINC is pending. A subsequent license will be subject to required ARINC coordination.