

From: Henry Wisneski

To: Doug Young

Date: March 24, 2003

Subject:

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Message:

The period of operation was entered incorrectly. The desired period of operation is 5/5/03 - 5/16/03.

The frequencies requested are typical frequencies of operation for the system to be tested. The ranges of operation that the system equipment can support are listed below.

1. CB Radio channels 1-40, transmitted from a CB radio on the ground and retransmitted from an aircraft to the ground. Any channel would be acceptable for use during this test. The tests are to be performed with CB operating at approximately 50% duty cycle, i.e., transmitting approximately 30 seconds and listening 30 seconds. Total test time for AM use planned to be less than 2 hours. Test to be performed during daylight hours to allow aircraft to fly VFR flight plan.

2. Low VHF signals, in the 30-88 MHz range, transmitted from an FM radio on the ground and retransmitted from an aircraft to a receiver on the ground. 6-kHz FM below 30 MHz and in the 50-54-MHz range were chosen to be compatible with the YAESU FT817 transceiver planned for the test. Other FM transceivers operate in 6-kHz channels anywhere in 30-88 MHz. Desired frequency selection is one low, one in the middle, and one at the top of the band; specific frequencies as available are acceptable. The tests are to be performed with an FM radio operating at approximately 50% duty cycle, i.e., transmitting approximately 30 seconds and listening 30 seconds. Total test time for FM use planned to be less than 2 hours. Test to be performed during daylight hours to allow aircraft to fly VFR flight plan.

3. F1D operation over the 30-88 MHz range is by SINCGARS transceiver operating from aircraft. Frequency range can be varied to avoid restricted frequency ranges. Total test time planned to be less than 4 hours. Test to be performed during daylight hours to allow aircraft to fly VFR flight plan.