

0133-EX-ST-2000

Raytheon

Request for Special Temporary Authorization

6 April 2000

Federal Communications Commission
Experimental Radio Service
P.O. BOX 35830
Pittsburgh, PA 15251-5320
ATTN: Mr. Carl Huie
(202) 418-2430
FAX (202) 418-1919

Dear Mr. Huie:

This FAX correspondence is being sent to you to obtain a Special Temporary Authorization (STA) by 12 April 2000 (if possible).

General Information

Applicant Raytheon Systems Company. Technical questions regarding this request should be addressed to: Ms. Sherie Johnson (714) 732-0191 voice or (714) 732-0602 FAX.

Purpose The purpose of this effort is the development of a Tactical Command and Control System for International markets. A check for \$45 to FCC and the completed form 159 will be sent to your offices in Pittsburgh, PA via certified mail within the next few days.

Time Period This effort will begin upon receipt of the STA (12 April 2000) and shall continue for approximately six months.

Locations This effort will take place within a 25 mile radius of the geographical center of Fullerton, California (Lat./Long. Location: N 33 degrees, 52 min. 51.456 sec./W 117 degrees, 57 min. 26.064 sec.).

Number of Devices From three to ten radio units will be used for this development.

Technical Parameters

Frequency Band 30.0 to 88.0 MHz. Needing ~ 100.00 kHz bandwidth within this region. Frequency Hopping will be used.

Transmitter Power 5 Watt (peak) 3 to 10 units.

EIRP 5 Watts (peak) 3 to 10 units.

Emission 32K0F1D

Identification Waiver of section 5.152 is requested. (These units are unable to self-identify).

Antennas In no case will the antenna extend more than 6.1 meters (20 feet) above existing structures (other than existing antennas) or the ground. Antennas are military manpack dipole devices that are oriented in a vertical plane.

When approved, please send notification of approval for our STA request to my FAX number (310) 647-4582.

Sincerely,



Rick Samojan

Radio Frequency Coordinator, EO/EO1/F170
Raytheon Systems Company
PO. Box 902, El Segundo CA 90245-0902
(310) 647-4579 voice