

S-3486-EX-1998

Raytheon

29 July 1998

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

Request for Special Temporary Authorization

Dear Mr. Huie:

I am Faxing this amended application to secure a special temporary authorization (STA) for the purpose of antenna testing. I am also sending a paper copy of this application, and attachments, a completed form 159 and a \$45 check to your mailing address in Pittsburgh, PA.

Background

In December 1997 the Raytheon Company purchased Hughes Aircraft Company. The FCC license, **KC2XAT**, for the existing antenna range, and the range it's self, were retained by GM Hughes Electronics. The Raytheon Company has a continuing need to test antenna designs on a 1000' range and a mobile range over a wide range of frequencies.

Purpose

This STA will be used to support antenna testing and antenna development necessary for existing and future communication and radar programs at the Raytheon Company. This license is necessary for the Raytheon Company to meet it's government and commercial contract requirements and to develop future antenna hardware.

1000' Range: Location, test frequencies, power level, modulation type, beam-width, ERP, and antenna gain are described in attachment A.

Mobile Range: Location, test frequency, power level, beam-width, ERP, and antenna gain are described in attachment B.

Test Frequency bands: See attachment C.

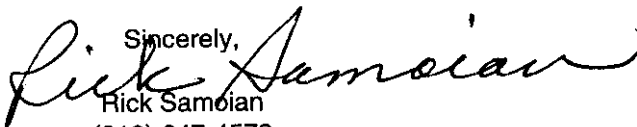
Antenna Development/Production Contracts that Raytheon Systems Company has: Are shown in attachment D.

The reason that we are asking for STA instead of an experimental license is:

1. To keep the FCC informed of our current testing requirements.
2. To be able to modify our test frequencies when we get or pursue a new contract.
3. To expedite the licensing process.

For reference I have attached a copy of our initial STA request dated 22 May 1998. See attachment E.

Mr. Frank Soliman can answer all technical questions regarding this applications, please contact him at (310) 334-8711 from 8AM-4PM PDT, Monday through Friday. I can answer all other questions on this application and I can be reached at (310) 647-4579 8AM-5PM PDT M-F.

Sincerely,

Rick Samolian
(310) 647-4579
Radio Frequency Coordinator
Raytheon Company
2000 E. El Segundo, CA 90245-0902