

Raytheon Company
Network Centric Systems
Attn: Jesse Ellisor
5959 Spring Bow
San Antonio, TX 78247

December 21, 2009

Federal Communications Commission
Attn: Universal Licensing System
445 12th Street SW
Washington, DC 20554

SUBJECT: Application to Renew Special Temporary Authorization

Raytheon NCS respectfully requests a 180-day extension of frequencies presently assigned under Special Temporary Authorization 0492-EX-ST-2009, Call Sign WD9XZL, at Towson, MD and Largo, FL. Both locations experienced delayed start dates due to technical complications.

Purpose of Operation.

This extension will allow Raytheon to continue test operations using the Agilent Network Analyzer, which is being used to fulfill the requirements of Department of the Navy Contract Number N00024-05-C-5346, and Department of the Air Force Contract Number F33657-01-D-0026-0053 (Raytheon is subcontractor to Boeing).

STA Explanation.

Raytheon is conducting evaluation and Factory Acceptance Testing (FAT) for deliverable IFF Electronic Scan Antennas, ensuring through this FAT process that new antennas are capable of performing to specifications outlined in the contract. Evaluation and FAT testing will include antenna pattern and antenna gain measurements.

FAA Coordination.

There are four discrete frequencies required for the tests: 600 MHz, 800 MHz, 1200 MHz 1434 MHz. The 1200 MHz frequency was coordinated with FAA NE Region under the following NGT numbers:

1200 MHz	Towson, MD	NG T090414
1200 MHz	Largo, FL	NG T090419

Your favorable response to this extension request would be greatly appreciated. If you have a question or need further clarification, please call me at telephone number 714-204-5585.

Sincerely,
Jesse Ellisor