

MicroLight FCC Special Temporary Authorization (STA) Request

1 Purpose of Operation

Raytheon Network Centric Systems (NCS) has been developing a communications system that can be used without infrastructure; this is especially essential during a disaster (example Katrina). The Raytheon MicroLight Technology each mobile unit act as a repeater or tower to route call through the network, this action is transparent to the user. We are planning to conduct testing and demonstrations during 2007/2008 with the various public safety agencies and public utilities companies. "MicroLight provides an ad hoc networking solution suited to the dynamic operations carried out by infantry soldiers engaged in close combat situations today."

- Raytheon Micro Light Technology:
 - File Number: 0202-EX-PL-2007
 - Class of Station: MO
 - Station Locations: MOBILE
 - Effective: TBD
 - Expiration: TBD

By its application, Micro Light sought authority to operate four different states this will allow testing the various types of terrain and topology. (i) conduct technical demonstrations and testing of service in the various states and evaluate performance is in accordance with design specifications; (ii) demonstrate performance of the systems to prospective purchasers; and (iii) perform limited market studies.

2 STA Explanation

As detailed in paragraph 1 above, Raytheon seeks this STA in order to allow testing and technical demonstrations of the Micro Light systems with the various locations, as well as demonstrating performance of the Micro Light system to prospective buyers, within the Department of Defense (DoD), Homeland Defense, and commercial markets. These Raytheon objectives are in line with the public safety objectives in seeking and acquiring the above mentioned FCC Experimental License for the defined Mobile locations.