

Explanation of Experiment

Overview:

Raytheon is a primary defense manufacturer in the US, supplying systems ready to operate to the US military. Raytheon is supporting the Next Generation Interceptor (NGI) program with the development of the EMV/KV.

This application seeks authorization for the use of a transceiver that is used in the development and testing of NGI at Raytheon in Tucson AZ.

Need for a License:

Raytheon is working under DoD contract HQ0856-21-C-0003/1022000209..

Technical Synopsis:

- Spectrum Needed: 4850.00MHz-4950.00 MHz.
 - Emission designator is 21M6W2D
 - Limited Time of Use: workdays and potential weekends
 - Limited area of operations: Indoor laboratory environment.
- 1) Power levels are: nominal single element operation 40 mW, full array operation 17 W

Description of Operations:

NGI will be integrating and testing deliverable systems at Raytheon in Tucson AZ. Part of this process includes indoor laboratory design verification and qualification testing which includes the transceiver unit.

Limited Time of Use:

Workdays and some weekends

Locations of Testing:

Location #1: Raytheon Tucson Plant Site
Building 805
NL 32-06-26 WL 110-56-40
Radius: 100 ft.



Location #2: Raytheon Tucson Plant Site
 building 842
 NL 32-06-20 WL 110-56-52
 Radius: 100 ft.



Location #3: Raytheon Tucson Plant Site
 building 930

NL 32-06-31 WL 110-57-25

Radius: 100 ft.



Stop Buzzer Point of Contact:

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Conclusion:

Raytheon is seeking a License for test operations. The proposed testing will be limited in nature.