

RMD Experimental License Planning
Information Request

The following information request will help us to complete and file an application for an experimental license. The information requested is generally needed both for the application and for coordination requirements that will be part of the application processing. Please provide as much complete information as possible. There will be questions – on your part and on the part of the filing team. To discuss, please contact your spectrum manager James Ortega at: 520-794-0227

Table of Information – FCC application:

Name of program: _____

Charge Number for labor and license fee (may be different): _____

Dates license required (account for logistical need and readiness reviews prior to testing):

<u>Administrative Questions:</u>	<u>Information:</u>
Formal Name of Applicant:	Raytheon Technologies (Missiles & Defense)
Address of applicant	P.O. Box 11337 Tucson, AZ 85734-1337
Contact name for application Phone number e-mail	RMD Spectrum Manager: Jim Ortega, 520-794-0227, james.e.ortega@raytheon.com
FRN	0008658098
Is there a federal contract? What number? What is the government program office?	<u>DOD Contract #:</u>
Is Confidentiality Needed?	<u>No</u>
<u>Technical Questions:</u>	<u>Information:</u>
Address of experiment (including city, state, county)	
Geographic coordinates: (latitude and longitude)	
Radio manufacturer	
Radio(s) model number(s)	
Number of units to be used	
Outdoor transmitter information: What is the height of the transmitter?	

<p>What structure will it be installed on? What is the overall height of the structure?</p>	
<p>Location of experiment: Indoor? Outdoor? Mobile, fixed? Radius of Operations? If outdoor, what features of the area might attenuate signals?</p>	
<p><u>Spectrum and transmission characteristics questions:</u></p>	<p><u>Information:</u></p>
<p>What spectrum is requested?</p>	
<p>Will the spectrum use be pulsed or CW?</p>	
<p>Will the frequencies be stepped through, swept through, or used constantly?</p>	
<p>How much time will the testing be conducted? (e.g., all day, workdays, or only 2 hours every two weeks?)</p>	
<p>What is the proposed power level: Output power, in watts? ERP, in watts:</p>	
<p>Antenna gain (in dBi), if any?</p>	
<p>Can the program tolerate any spectrum carve-outs?</p>	
<p>What is the duty cycle?</p>	
<p>Does this propose use of a directional antenna? If so, What is the half power beam width? What is the orientation in the horizontal plane? What is the orientation in the vertical plane?</p>	
<p>What is the emission designator(s)?</p>	
<p>Stop Buzzer POC? (Name and Phone number)</p>	<p>RMD SM: Program POC:</p>

General Purpose of Testing:

(Please provide some general explanation of what the radio/radio transmissions will be used for. This information will help us create the required exhibit for the application.)

In the event that FAA coordination is required, the following additional information is required:

<u>Antenna Make</u> e.g. Haigh-Farr, etc.	<u>Antenna Type:</u> Eg: dipole, panel, etc, and polarization	<u>Antenna Gain</u>	<u>Pulsed or CW? If pulsed, PRR, & pulse duration</u> Are frequencies Stepped, swept, or other	<u>Azimuth of operations</u>	<u>Site Elevation</u>	<u>Height of install</u>

<u>Frequency Bands requiring FAA Coordination</u>
(sample frequencies)
108-121.9375 MHz
123.0125 – 137 MHz
328.6-335.4 MHz
960-1020 MHz
1030 MHz
1090 MHz
2700-3000 MHz
5000-5250 MHz
9000-9200 MHz