

Raytheon Missile Systems
Renewal of Experimental License WB2XCD
File Number: 0037-EX-CR-2020

Exhibit 1

Explanation of Program of Experimentation

Overview: This application requests renewal of Raytheon's experimental license WB2XDC. The operations ongoing under this license need to continue for additional radar testing and development at both sites currently authorized. This testing is for advancing the development of technology used by the US Department of Defense, and it is important to national security.

Location of the testing: The experiments that Raytheon conducts use several narrow radar beams, pointed away from any population centers in the area of operations. For instance, in Tucson, the radar would be pointed south, toward the desert and away from the center of Tucson. In Louisville, the plant uses the surrounding geography to avoid transmitting toward any population centers.

Nature of Experimentation: Raytheon uses those radar beams to test and develop improved search and tracking radar. The renewed operations will allow for advanced development of radar technologies.

Raytheon works to minimize the use of any single channel, to use narrow, focused beam transmissions, and to limit its testing to the minimum power needed for the advancement of the technology being developed.

Stop Buzzer: The stop buzzer point of contact for the proposed operation is:

Jim Ortega
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Conclusion: These renewal is requested to allow further advanced development and testing of search and track radar systems.

Should there be any questions about this application, please contact Anne Linton Cortez, WFS, 520-360-0925 or alc@conspecinternational.com.