

KRFS Experimental License Modification Request

1 Purpose of Operation

Raytheon Company to demonstrate KRFS Multi-Function RF System (Radar). This application is to demonstrate this system. The KRFS current mission is Counter Rocket And Mortar (CRAM). The wider bandwidth waveforms were developed to allow for detection and classification of emerging threats. This was done in response to a Joint Urgent Needs Statement (JUONS) passed down from our Army customer for Counter Unmanned Aerial Systems (CUAS) capability.

- File Number: 0540-EX-CN-2020
- Class of Station: FX
- Station Locations: FIXED
- Effective: 08/07/2020
- Expiration: 08/07/2021

Note: The KRFS is designed to operate over specific frequency ranges within the range of 15.71 to 17.71 GHz. Specific operating modes are confined to the specific bands as follows:

- 15.71 to 17.71 GHz Radar: C-RAM
- 15.71 to 17.71 GHz Missile Illumination

2 Experimental Explanation

As detailed in paragraph 1 above, Raytheon seeks this Experimental License in order to allow testing and technical demonstrations of the KRFS System (Radar).

3. Stop Buzzer

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