

From: Nathan Metzger

To: Nimesh Sangani

Date: November 07, 2019

Subject: Additional Information Request

Message:

1) Provide a detailed narrative of your experiment.

In an effort to help the U.S. Army solve their obsolete wireless communications issue, Cubic has responded to the following Request for Information:
https://www.fbo.gov/index?s=opportunity&mode=form&id=295baecb8a13b1f2e9ce28d716d7ccbe&tab=core&_cview=0.

Our response to the RFI, prompted a call with Brad Amon, the CAISI engineering lead at Ft. Huachuca. He asked that we provide hardware to validate our performance claims in the RFI. The Blackwolf hardware is a COTS LTE basestation which will be located at the coordinates provided in the license. From there several different distances will be evaluated using our C6 Pulse device which is essentially a COTS LTE Wifi hotspot. Brad's team will setup the basestation on a 30' mast and radiate with an omni directional antenna. Then the configuration will be updated to radiate with a sector due north – this configuration will allow increased distances from the base station.

The testing is only expected to take a few days, but additional time may be required (within the bounds of this license request) as we tweak the hardware to meet Army performance requirements.

2) Provide a FirstNet Pre-coordination for the 758-768 MHz band and for the 788-798 MHz band. Another option is to remove 757-769 MHz band and the 787-800MHz band from your request.

Our preference is to remove the 757-769 MHz band and 787-800 MHz band from our request.