

From: Lauren French

To: Nimesh Sangani

Date: April 14, 2021

Subject: Additional Information Request

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Message:

1) Anduril is an awarded vendor selected to demonstrate our proposed radio and radar prototype solutions for Special Operations Command at a test event which shall include the set-up, operation, and tear down of a FoS capability. We are testing the effectiveness of the radio systems and small 3D radar.

As noted, Anduril seeks an STA so that it may temporarily support third-party government contract-related testing. Anduril seeks to conduct tests at White Sands Missile Range, which have the capability to support needed testing while meeting the safeguards designed to prevent potential telecommunications disruptions.

The STA requested by this application would allow Anduril to execute testing (observation, monitoring, and evaluation of communications links between the below-described devices within the requested bandwidths) for the duration of the STA and with a maximum of 10 hours of intermittent operation in any 24-hour period. Anduril has requested an STA for multiple months to provide flexibility should variations in government and contractor requirements or issues with inclement weather arise.

2) Operations will be conducted primarily with the emissions and modulation techniques specified in the application and in Attachment A. If other emission modes and modulation techniques are utilized, in no event will the emissions extend beyond the frequency bandwidths or bands requested.

System

Frequencies / Emission Designators / Modulation Technique  
ERP (mean)

Software Defined Radio

420MHz-460MHz / 25K0FXN / AWGN, FM, FSK

902MHz-928MHz / 300K0FXN / AWGN, FM, FSK

2400MHz-2485MHz / 10M0WXN / AWGN, FM, QPSK, FSK

5725MHz-5850MHz / 20M0WXN / AWGN, FM, QPSK, FSK

Power: 10 watts

3D Radar

77GHz - 77.46MHz / 460MF8NXT

Power: 83mW

Radio

1575.42 MHz / 2M05W7D

1575.42 MHz / 20M5W7D

1602.5625 MHz - 1607.625 MHz / 511KW2D

Power: 28.3 dBm

3) No