

L3Harris, CS-W
Special Temporary Authorization
Date: February 22, 2024
STA Conf. No.: EL525469
STA File No.: 0284-EX-ST-2024
License: ??????

Description of Special Temporary Authorization Request

Application Background:

The purpose of this project is to conduct a static test and characterization of an experimental waveform utilizing a COTS signal generator and power amplifier, as well as an experimental (though previously tested) hemispherical omni antenna.

Concept of Operations:



Figure 1 – Map depicting 3 stations.

We plan to set up qty 3 nodes within the radius of one of the 3 stations, as shown in Figure 1. Each node will consist of a signal generator, a power amplifier, and a 3D printed antenna, as listed in the STA.

Spectrum Requirements:

Our initial plans are to utilize the 3147.5 MHz – 3187.5 MHz, 3247.5 MHz – 3287.5 MHz, and 3347.5 MHz – 3387.5 MHz, as requested in the STA. The higher requested bands may be of interest for future testing within the 6 month window, per the STA.