

Antenna Information for Antenna Registration #1**10.2-10.4 GHz**

The following information is provided with respect to the facilities identified at Antenna Registration #1 of the instant STA Request:

Area of Operation

As indicated in the accompanying FCC Form, the facilities identified at Antenna Registration #1 specify “Fixed” facilities at the specified geographic coordinates. In order to accommodate the requirements of the subject contract, by this STA Request, BAE Systems requests authority to operate the specified fixed transmissions within a 1,500 foot radius from the centerpoint geographic coordinates identified in the STA Request (i.e., 1,500 foot radius around 42-48-22 N.Lat.; 071-25-33 W.Long. [NAD 83]). Commission approval of such area of operation will provide BAE Systems with the flexibility it requires to move the specified test equipment to any appropriate testing location on the Litchfield Antenna Test Range during the authorized term of operation, in accordance with the requirements of the experiment.

Transmitting Equipment

Manufacturer	Model	Quantity	Experimental
General Dynamics	AN/PPS-15	1	No

Beamwidth and Orientation of Antenna and Other Technical Issues

This directional antenna is non-rotating, but can be manually rotated 360 degrees.

3dB BW E (Vertical)	3dB BW H (Horizontal)
5.7°	10°

The subject facilities will operate with a continuous bandwidth of 200 MHz, with a 100% Duty Cycle.