

**Public Interest Statement**

By the instant application (“Application”), Cobham Advanced Electronic Solutions Inc. (“Cobham”) requests that the Commission grant a two year conventional experimental license for the facilities specified herein.

**1. Purpose of Operation**

The requested operations are to support radiating testing requirements set forth under the following government contract:

Contract Number: N00173-14-D-2007  
 Agency Customer: Naval Research Laboratory  
 Contract POC: Julian Kusel, Code 5720, (202) 404-3699  
Julian.kusel@nrl.navy.mil

The experimental test to be performed – a continuation of the operations previously authorized under STA pursuant to call sign WJ9XAT - is to evaluate the characteristics of the antenna to be test including Gain, Beamwidth and Side lobe Level. The antenna being evaluated will be the receive antenna in this test. The test is to be performed as part of characterization and Acceptance Testing of the antenna prior to integration of the antenna into a an antenna assembly that contains two or more additional antennas, operating at different frequency bands, prior to final alignment and delivery of additional ordered units to NRL and the Navy. Specific use and application of this equipment is not available for disclosure.

A waiver of the Station ID requirements of 47 CFR §5.115(a) is respectfully requested.

**2. Directionality**

The following information describes the directionality, beamwidth and orientation of the antennas associated with these requested transmissions:

Width of Beam in degrees at half power point	Orientation in horizontal plane	Orientation in vertical plane
66°	315°	-16°

**3. Mitigation of Interference/Stop Buzzer**

Cobham is well aware of its obligation under Commission rules to immediately terminate operation in the event of interference to any other licensed emitter. Cobham is a long-standing Commission licensee and the company will take any and all actions to ensure that it complies with its obligations as a licensee of experimental facilities.

The Stop Buzzer in the event of interference is: Mike Matsick – 610-248-3929