

Public Interest Statement

By the instant application (“Application”), Cobham Advanced Electronic Solutions Inc. (“Cobham”) requests that the Commission grant a 2 year conventional experimental license to permit the operation of 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, a continuation of the tests originally authorized under STA pursuant to call sign WJ9XAN, is to confirm proper alignment of multiple antennas mounted to an “antenna farm” assembly. The antenna farm elements will be the receive antenna in this test. The test is to be performed prior to final delivery of the units to NRL and the Navy. While originally it was expected that completion of deployment of the antenna equipment would be in late 2015, Cobham now expects the customer to order additional units, thus requiring the additional authority sought in this Application. Cobham seeks a 2 year license with the same parameters and Special Conditions as those specified on the STA under call sign WJ9XAN.

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. Transmitting Equipment

Manufacturer	Model	Quantity	Experimental Yes or No
Narda	642	1	No
Narda	640	1	No
Narda	639	1	No
Narda	638	1	No
Narda	V637	1	No
Hewlett Packard	8349B	1	No
Microwave Power Inc.	C2643-32-T444	1	No
Keysight Technologies	N5183A	1	No
Keysight Technologies	E4446A	1	No

3. 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
34°	315	-16°

4. 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