

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XBC

(Call Sign)

0041-EX-TC-2014

(File Number)

NAME Cobham Defense Electronics Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) MOBILE: Mobile (Ground) Operations Within 1.61 km Radius of 1001 Pawtucket Boulevard, Lowell, MA 01854, within 1.61 km, centered around NL 42-38-26; WL 71-22-15
- (2) MOBILE: Mobile Ground Operations ABERDEEN PROVING GROUND, within 14 km, centered around NL 39-27-32; WL 76-09-21
- (3) MOBILE: Mobile Ground Operations CAMP GRAYLING TEST RANGE, within 8.05 km, centered around NL 44-48-53; WL 84-33-55
- (4) MOBILE: Mobile Ground Ops 9725 East Marginal Way South, within 1.61 km, centered around NL 47-30-53; WL 122-18-12
- (5) MOBILE: Mobile Ground Ops 801 Leroy, Socorro, NM 87801, within 8.05 km, centered around NL 34-05-07; WL 106-59-02
- (6) MOBILE: Mobile (Ground) Operations Within 8.05 km Radius of 78433 Tower Road, Boardman, OR, 97818, within 8.05 km, centered around NL 45-45-59; WL 119-48-08
- (7) MOBILE: Mobile Ground Operations US Army RDECOM-TARDEC, within 3 km, centered around NL 42-29-48; WL 83-02-33
- (8) MOBILE: Mobile Ground Ops - Selfridge Air Natl Guard Base, within 4 km, centered around NL 42-37-02; WL 82-49-22

This authorization effective June 12, 2014 and
will expire 3:00 A.M. EST February 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Mobile (Ground) Operations Within 1.61 km Radius of 1001 Pawtucket Boulevard, Lowell, MA 01854, within 1.61 km, centered around NL 42-38-26; WL 71-22-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %

MOBILE: Mobile Ground Operations ABERDEEN PROVING GROUND, within 14 km, centered around NL 39-27-32; WL 76-09-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %

MOBILE: Mobile Ground Operations CAMP GRAYLING TEST RANGE, within 8.05 km, centered around NL 44-48-53; WL 84-33-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %

MOBILE: Mobile Ground Ops 9725 East Marginal Way South, within 1.61 km, centered around NL 47-30-53; WL 122-18-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %

Frequency Information

MOBILE: Mobile Ground Ops 801 Leroy, Socorro, NM 87801, within 8.05 km, centered around NL 34-05-07; WL 106-59-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %

MOBILE: Mobile (Ground) Operations Within 8.05 km Radius of 78433 Tower Road, Boardman, OR, 97818, within 8.05 km, centered around NL 45-45-59; WL 119-48-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %

MOBILE: Mobile Ground Operations US Army RDECOM-TARDEC, within 3 km, centered around NL 42-29-48; WL 83-02-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %

MOBILE: Mobile Ground Ops - Selfridge Air Natl Guard Base, within 4 km, centered around NL 42-37-02; WL 82-49-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.15 GHz	MO	200MF7N	6.3 W (ERP)	0.2 %