

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

EXPERIMENTAL

(Nature of Service)

WB2XDG

(Call Sign)

XC MO

(Class of Station)

0036-EX-RR-2014

(File Number)

NAME BAE Systems Controls 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: SANTA MONICA, CA, within 6 km, centered around NL 34-00-57; WL 118-27-05
- (2) MOBILE: NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL AIRPORT, NEWPORT NEWS, VA, within 10 km, centered around NL 37-07-54; WL 76-29-34
- (3) MOBILE: RENO/TAHOE INTERNATIONAL AIRPORT, RENO, NV, within 10 km, centered around NL 39-29-54; WL 119-46-05
- (4) MOBILE: WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OH, within 10 km, centered around NL 39-49-34; WL 84-02-53
- (5) MOBILE: WALLOPS FLIGHT FACILITY, WALLOPS ISLAND, VA, within 10 km, centered around NL 37-56-24; WL 75-27-59
- (6) MOBILE: LANGLEY AIR FORCE BASE, HAMPTON, VA, within 10 km, centered around NL 37-04-58; WL 76-21-37
- (7) MOBILE: NATIONWIDE, US
- (8) MOBILE: NATIONWIDE, US

Frequency Information

MOBILE: SANTA MONICA, CA, within 6 km, centered around NL 34-00-57; WL 118-27-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

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

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL AIRPORT, NEWPORT NEWS, VA, within 10 km, centered around NL 37-07-54; WL 76-29-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: RENO/TAHOE INTERNATIONAL AIRPORT, RENO, NV, within 10 km, centered around NL 39-29-54; WL 119-46-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OH, within 10 km, centered around NL 39-49-34; WL 84-02-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: WALLOPS FLIGHT FACILITY, WALLOPS ISLAND, VA, within 10 km, centered around NL 37-56-24; WL 75-27-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

Frequency Information

MOBILE: LANGLEY AIR FORCE BASE, HAMPTON, VA, within 10 km, centered around NL 37-04-58; WL 76-21-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: NATIONWIDE, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: NATIONWIDE, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
92-95 GHz	MO	3G00F8N 3G00F3N	2 W (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The designated point-of-contact to terminate transmissions if interference occurs is Brian Sykora (909) 234-5526.