

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WD9XPJ

(Call Sign)

XT MO

(Class of Station)

0557-EX-ST-2008

(File Number)

NAME BAE Systems Information and Electronic Systems Integration Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

This experiment involves the research and development of BAE Systems' "TWNN" solution (Tactical Warfare Network node).

Station Locations

- (1) MOBILE: Temporary Fixed Locations- BAE Systems Campus - Wayne, NJ, within 10 km, centered around NL 40-54-46; WL 74-14-03
- (2) MOBILE: Temporary Fixed Locations, San Diego, CA, within 10 km, centered around NL 32-43-11; WL 117-10-21

Frequency Information

MOBILE: Temporary Fixed Locations- BAE Systems Campus - Wayne, NJ, within 10 km, centered around NL 40-54-46; WL 74-14-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.52 GHz	MO	16M0D1D	4 W (ERP)	
4.54 GHz	MO	16M0D1D	4 W (ERP)	

This authorization effective November 01, 2008 and
will expire 3:00 A.M. EST May 02, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Locations- BAE Systems Campus - Wayne, NJ, within 10 km, centered around NL 40-54-46; WL 74-14-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.56 GHz	MO	16M0D1D	4 W (ERP)	
4.58 GHz	MO	16M0D1D	4 W (ERP)	
4.62 GHz	MO	16M0D1D	4 W (ERP)	
4.64 GHz	MO	16M0D1D	4 W (ERP)	
4.66 GHz	MO	16M0D1D	4 W (ERP)	
4.68 GHz	MO	16M0D1D	4 W (ERP)	
5.745 GHz	MO	16M0D1D	4 W (ERP)	
5.765 GHz	MO	16M0D1D	4 W (ERP)	
5.785 GHz	MO	16M0D1D	4 W (ERP)	
5.805 GHz	MO	16M0D1D	4 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Locations- BAE Systems Campus - Wayne, NJ, within 10 km, centered around NL 40-54-46; WL 74-14-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.825 GHz	MO	16M0D1D	4 W (ERP)	

MOBILE: Temporary Fixed Locations, San Diego, CA, within 10 km, centered around NL 32-43-11; WL 117-10-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.52 GHz	MO	16M0D1D	4 W (ERP)	
4.54 GHz	MO	16M0D1D	4 W (ERP)	
4.56 GHz	MO	16M0D1D	4 W (ERP)	
4.58 GHz	MO	16M0D1D	4 W (ERP)	
4.62 GHz	MO	16M0D1D	4 W (ERP)	
4.64 GHz	MO	16M0D1D	4 W (ERP)	
4.66 GHz	MO	16M0D1D	4 W (ERP)	
4.68 GHz	MO	16M0D1D	4 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed Locations, San Diego, CA, within 10 km, centered around NL 32-43-11; WL 117-10-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.745 GHz	MO	16M0D1D	4 W (ERP)	
5.765 GHz	MO	16M0D1D	4 W (ERP)	
5.785 GHz	MO	16M0D1D	4 W (ERP)	
5.805 GHz	MO	16M0D1D	4 W (ERP)	
5.825 GHz	MO	16M0D1D	4 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) The designated point-of-contact to terminate transmissions if interference occurs is Mr. John Santillo at (201) 452-1010.