

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

EXPERIMENTAL

(Nature of Service)

WE2XTB

(Call Sign)

XC MO

(Class of Station)

0253-EX-PL-2008

(File Number)

NAME BAE Systems Technical Services, 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: Temporary Fixed Operation, Fort Walton Beach, FL, within 0.8 km, centered around NL 30-24-53; WL 86-39-58
- (2) MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 1.6 km, centered around NL 30-24-53; WL 86-39-58

Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 0.8 km, centered around NL 30-24-53; WL 86-39-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.43 GHz	MO	NON	16 kW (ERP)	
10-10.43 GHz	MO	NON	253 kW (ERP)	
10-10.43 GHz	MO	NON	4029 kW (ERP)	

This authorization effective July 28, 2008 and
will expire 3:00 A.M. EST August 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 0.8 km, centered around NL 30-24-53; WL 86-39-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.43 GHz	MO	430MF1N	16 kW (ERP)	
10-10.43 GHz	MO	430MF1N	253 kW (ERP)	
10-10.43 GHz	MO	430MF1N	4029 kW (ERP)	
10.43-10.44 GHz	MO	N0N	16 kW (ERP)	
10.43-10.44 GHz	MO	N0N	253 kW (ERP)	
10.43-10.44 GHz	MO	N0N	4029 kW (ERP)	
10.43-10.44 GHz	MO	10M0F1N	16 kW (ERP)	
10.43-10.44 GHz	MO	10M0F1N	253 kW (ERP)	
10.43-10.44 GHz	MO	10M0F1N	4029 kW (ERP)	
10.44-10.5 GHz	MO	N0N	16 kW (ERP)	

Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 0.8 km, centered around NL 30-24-53; WL 86-39-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.44-10.5 GHz	MO	N0N	253 kW (ERP)	
10.44-10.5 GHz	MO	N0N	4029 kW (ERP)	
10.44-10.5 GHz	MO	60M0F1N	16 kW (ERP)	
10.44-10.5 GHz	MO	60M0F1N	253 kW (ERP)	
10.44-10.5 GHz	MO	60M0F1N	4029 kW (ERP)	

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 1.6 km, centered around NL 30-24-53; WL 86-39-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.43 GHz	MO	N0N	16 kW (ERP)	
10-10.43 GHz	MO	N0N	253 kW (ERP)	
10-10.43 GHz	MO	N0N	4029 kW (ERP)	
10-10.43 GHz	MO	430MF1N	16 kW (ERP)	

Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 1.6 km, centered around NL 30-24-53; WL 86-39-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.43 GHz	MO	430MF1N	253 kW (ERP)	
10-10.43 GHz	MO	430MF1N	4029 kW (ERP)	
10.43-10.44 GHz	MO	N0N	16 kW (ERP)	
10.43-10.44 GHz	MO	N0N	253 kW (ERP)	
10.43-10.44 GHz	MO	N0N	4029 kW (ERP)	
10.43-10.44 GHz	MO	10M0F1N	16 kW (ERP)	
10.43-10.44 GHz	MO	10M0F1N	253 kW (ERP)	
10.43-10.44 GHz	MO	10M0F1N	4029 kW (ERP)	
10.44-10.5 GHz	MO	N0N	16 kW (ERP)	
10.44-10.5 GHz	MO	N0N	253 kW (ERP)	

Frequency Information

MOBILE: Temporary Fixed Operation, Fort Walton Beach, FL, within 1.6 km, centered around NL 30-24-53; WL 86-39-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.44-10.5 GHz	MO	N0N	4029 kW (ERP)	
10.44-10.5 GHz	MO	60M0F1N	16 kW (ERP)	
10.44-10.5 GHz	MO	60M0F1N	253 kW (ERP)	
10.44-10.5 GHz	MO	60M0F1N	4029 kW (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the NAVAL AIR WARFARE CENTER contract number F08650-01-0066-CLIN 5010AA. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the control designed in the related application and enumerated above.