

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

EXPERIMENTAL

(Nature of Service)

WK9XWB

(Call Sign)

XT MO

(Class of Station)

0148-EX-ST-2017

(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:

BAE Systems developed and produces SIGINT systems used by US Government military customers.

Station Locations

- (1) MOBILE: Temporary Fixed Ground Operations Tooele County, UT, within 3 km, centered around NL 40-11-05; WL 112-55-54

Frequency Information

MOBILE: Temporary Fixed Ground Operations Tooele County, UT, within 3 km, centered around NL 40-11-05; WL 112-55-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.175-307 MHz	MO	NON	3.1 W (ERP)	
343-500 MHz	MO	NON	3.1 W (ERP)	
869-894 MHz	MO	NON	307 W (ERP)	

This authorization effective April 12, 2017 and
will expire 3:00 A.M. EST September 11, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed Ground Operations Tooele County, UT, within 3 km, centered around NL 40-11-05; WL 112-55-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
925-960 MHz	MO	N0N	307 W (ERP)	
1805-1880 MHz	MO	N0N	386 W (ERP)	
1930-1990 MHz	MO	N0N	485.5 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) BAE must obtain "consent" of the following within 50 miles of the test area:
 - All Cellular licensees (824-849 MHz/869-894 MHz)
 - SMR licensees (896-901 MHz/935-940 MHz)
 - All Broadband PCS licensee (1850-1910 MHz/1930-1990 MHz)
- (4) BAE must "notification" of the following within 50 miles of the test area:
 - Location & Monitoring Service licensees (902-928 MHz)
 - All services in 220 MHz
 - 218-219 MHz Service
 - 220-222 MHz Service
 - Paging Service licensees in 152 MHz, 158 MHz, 152 MHz/158 MHz and 454 MHz/459 MHz
 - General Aviation Air-Ground Service in 454 MHz/459 MHz
- (5) Operation is subject to coordinate with the local Society of Broadcast Engineer frequency coordinator prior to operation in 100-307 MHz, 343-500 MHz and 925-960 MHz bands.
- (6) Operation is subject to coordinate with the Fixed Microwave Service licensees prior to operation in 925-960 MHz band in accordance with 47 CFR, Part 101.103(d).
- (7) BAE must obtain a written consent from ORBCOMM for using the frequency band: 137-401 MHz.
- (8) BAE can't operate on any public safety frequencies under rule CFR 47, 90.20.
- (9) Move 263 MHz and 307 MHz to another channel with coordination with Military Advisory Group (MAG) chair. A replacement channel using Annex A allocations are not permitted.

Special Conditions:

- (10) Change bands assignments from 100-307 MHz to 138.175-#### MHz (whatever upper channel is coordinated with MAG to replace 307 MHz).
- (11) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army, contract number W56KGY-16-D-0013. 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 contract designated in the related application and enumerated above.
- (12) The designated point-of-contacts to terminate transmissions if interference occurs is: Stephen (Speedy) Lang 603-738-7295; Paul Nuccio 603-897-9764; Doug McDaniel 256-759-7642/ 435-831-7841; Nate Critchlow 435-841-1474 and Jason Straughan; 435-831-3411.
- (13) ITU Regulations, Appendix 15 prohibits any interference to the following Safety and Distress frequencies:

156.725MHz	DSC
156.800MHz	CHAN 16
161.975MHz	AIS I
162.025MHz	AIS II
406-406.1MHz	EPIRB/ELT/PLB
1544-1545MHz	D&S-OPS
- (14) Due to the possibility of interference to ground and air based GPS receivers, BAE Systems must not utilize the 1525-1559 MHz band.
- (15) MAG coordination provided is for the 225.000-328.600 and 335.400-399.900 MHz frequency bands only. Prior to the start of operations, BAE Systems must contact Dugway SMO for specific frequency assignments to be used at Dugway in support of the subject requests.
- (16) Operation is subject to coordinate with the FAA.
- (17) Operation is subject to coordinate with the AFTRCC.