

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

EXPERIMENTAL

(Nature of Service)

WK2XPJ

(Call Sign)

XC MO

(Class of Station)

0927-EX-CN-2019

(File Number)

NAME BAE Systems Information and Electronic Systems Integration 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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Temporary Fixed Ground Tooele County, UT, within 0.2 km, centered around
NL 40-11-07; WL 112-55-49

Frequency Information

MOBILE: Temporary Fixed Ground Tooele County, UT, within 0.2 km, centered around NL 40-11-07; WL 112-55-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.175-151.999 MHz	MO	NON	4.86 W (ERP)	
153-157.999 MHz	MO	NON	4.86 W (ERP)	
159-161.999 MHz	MO	NON	4.86 W (ERP)	
175-216.999 MHz	MO	NON	4.86 W (ERP)	

This authorization effective March 03, 2020 and
will expire 3:00 A.M. EST March 01, 2022

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Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
239.025 MHz	MO	N0N	4.86 W (ERP)	
243.85 MHz	MO	N0N	4.86 W (ERP)	
248.75 MHz	MO	N0N	4.86 W (ERP)	
251.225 MHz	MO	N0N	4.86 W (ERP)	
264.05 MHz	MO	N0N	4.86 W (ERP)	
266.675 MHz	MO	N0N	4.86 W (ERP)	
269.375 MHz	MO	N0N	4.86 W (ERP)	
272.05 MHz	MO	N0N	4.86 W (ERP)	
277.5 MHz	MO	N0N	4.86 W (ERP)	
288.775 MHz	MO	N0N	4.86 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
291.675 MHz	MO	N0N	4.86 W (ERP)	
297.525 MHz	MO	N0N	4.86 W (ERP)	
300.5 MHz	MO	N0N	4.86 W (ERP)	
303.5 MHz	MO	N0N	4.86 W (ERP)	
306.55 MHz	MO	N0N	4.86 W (ERP)	
345.425 MHz	MO	N0N	4.86 W (ERP)	
362.075 MHz	MO	N0N	4.86 W (ERP)	
363.45 MHz	MO	N0N	4.86 W (ERP)	
366.675 MHz	MO	N0N	4.86 W (ERP)	
385.375 MHz	MO	N0N	4.86 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
389.225 MHz	MO	N0N	4.86 W (ERP)	
393.125 MHz	MO	N0N	4.86 W (ERP)	
397.05 MHz	MO	N0N	4.86 W (ERP)	
421-453.999 MHz	MO	N0N	4.86 W (ERP)	
455-458.999 MHz	MO	N0N	4.86 W (ERP)	
460-500 MHz	MO	N0N	4.86 W (ERP)	
1525-1559 MHz	MO	N0N	24.86 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) BAE Systems Information and Electronic Systems Integration, Inc. must notch out the following spot frequencies (+/- 8 kHz): 156.525 MHz, 156.650 MHz, 156.800 MHz
- (5) BAE Systems Information and Electronic Systems Integration, Inc. must notch out the following spot frequencies (+/- 12.5 kHz): 154.310 MHz.

Special Conditions:

- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Army, W56KGY-16-D-0013-0002. 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.
- (7) Stop Buzzers, Stephen (Speedy) Lang at 603-738-7295; Doug McDaniel at 256-759-7642/ 435-831-7841; Nate Critchlow at 435-841-1474 and Jason Straughan at 435-831-3411.
- (8) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (9) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (10) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (11) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator prior to operation in 153-157.999 MHz, 159-161.999 MHz, 175-216.999 MHz, 455-458.999 MHz, 460-500 MHz bands.