

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WG2XFW

(Call Sign)

0239-EX-PL-2012

(File Number)

NAME BAE Systems TSS 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(i) of the Commission's Rules

Station Locations

(1) California, MD - NL 38-18-31; WL 76-32-24

Frequency Information

California, MD - NL 38-18-31; WL 76-32-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
249-270 MHz	FX	7K20G1D 5K00G1D 25K0F1D 25K0G1D 25K9F1D	60.26 W (ERP)	
292-312 MHz	FX	5K00G1D 7K20G1D 25K0F1D 25K0G1D 25K9F1D	60.26 W (ERP)	

This authorization effective September 07, 2012 and
will expire 3:00 A.M. EST September 01, 2014

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Frequency Information

California, MD - NL 38-18-31; WL 76-32-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.7-4.2 GHz	FX	2M64G7W	1.28 MW (ERP)	
5.85-6.425 GHz	FX	2M64G7W	1.28 MW (ERP)	
7.25-7.75 GHz	FX	3M98G7W	2.83 MW (ERP)	
7.9-8.4 GHz	FX	3M98G7W	2.83 MW (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) Licensee must be aware of potential interference to Part 101 and Part 25 licensees in the 3700-4200 MHz and 5925-6425 MHz bands. Licensee is subject to immediate shut down in the event of harmful interference.
- (4) Operation is subject to prior coordination with existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Greg Howard at (301) 862-7173 or cell (301) 481-5588.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by US Government Contract No. N00024-11-C-2301. The use of this radio station in any other manner or for any other purposes 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) Operation is NOT permitted for +/- 12.5 kHz the following frequencies: M251.050; M254.250; M254.350; M255.400; M255.400; M256.800; M257.200; M257.600; M257.700; M257.800; M257.875; M260.900; M263.025; M269.000; M269.425; M269.500; M269.525; M270.275; M291.625; M303.250; M306.300; M307.200; M307.900.

Special Conditions:

- (8) Operation is NOTCH OUT +/- 3 kHz the following frequencies: 252.100 MHz, 252.850 MHz, 257.100 MHz, 259.850 MHz, 260.900 MHz, 263.1 MHz, 292.200 MHz, 293.600 MHz, 305.600 MHz, 307.025 MHz and 308.350 MHz.
- (9) The Air Force states that the 249-270 MHz and 292-312 MHz cannot be supported as band assignments and the licensee needs to identify the minimum number of discrete frequencies needed to satisfy the testing requirements and coordinate the use of these bands with the Area Frequency Coordinator at 703-428-1544.
- (10) Operation is NOT PERMITTED using the following frequency bands:
251.0375-251.1625 MHz, 253.4875-253.5125 MHz, 254.2375-254.4125 MHz,
255.3875-255.4125 MHz, 256.6875-256.7125 MHz, 256.7875-256.8125 MHz,
256.8625-256.9125 MHz, 257.1875-257.2125 MHz, 257.5875-257.8125 MHz,
257.8375-257.9875 MHz, 259.0875-259.1125 MHz, 259.2875-259.3125 MHz,
262.9875-263.1625 MHz, 266.7875-266.8125 MHz, 268.6875-268.7125 MHz,
268.9875-269.6375 MHz, 269.8875-269.9125 MHz, 292.125-292.200 MHz,
293.2125-293.2375 MHz, 294.6875-294.7125 Hz, 296.6875-296.7125 MHz,
298.850-298.950 MHz, 299.1875-299.2125 MHz, 299.5875-299.6125 MHz,
305.1875-305.2125 MHz, 306.1875-306.2125 MHz, 306.2875-306.3125 MHz,
306.900-307.375 MHz, 307.7875-307.8125 MHz, 307.8875-307.9125 MHz,
308.3875-308.4125 MHz, 310.7875-310.8125 MHz, 5894.250-5905.750 MHz,
7260-7290 MHz, 7310-7340 MHz, 7345-7375 MHz, 7390-7435 MHz, 7445-7475
MHz, 7485-7515 MHz, 8010-8040 MHz, 8168-8198 MHz, 8235-8265 MHz.