

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

EXPERIMENTAL

(Nature of Service)

WK9XEB

(Call Sign)

XT FX

(Class of Station)

1122-EX-ST-2016

(File Number)

NAME Lockheed Martin Corporation

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:

Our program will be conducting flight tests against a known emitter source and location for proof of concept qualifications. The emitter source will transmit at various frequencies in the allocated

Station Locations

(1) Aztec, AZ - NL 32-52-00; WL 113-26-09

Frequency Information

Aztec, AZ - NL 32-52-00; WL 113-26-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
69-69.5 MHz	FX	25K0F3E 25K0M2N	30 W (ERP)	
138-139.5 MHz	FX	12K0F3E 12K0M2N	30 W (ERP)	
145-146.5 MHz	FX	12K0F3E	30 W (ERP)	

This authorization effective August 25, 2016 and
will expire 3:00 A.M. EST November 26, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Aztec, AZ - NL 32-52-00; WL 113-26-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
145-146.5 MHz	FX	12K0M2N	30 W (ERP)	
152-153.5 MHz	FX	25K0F3E 25K0M2N	30 W (ERP)	
159-160.5 MHz	FX	25K0F3E 25K0M2N	30 W (ERP)	
166-167.5 MHz	FX	12K0F3E 12K0M2N	30 W (ERP)	
420-450 MHz	FX	6M00W9W 25K0F3E	30 W (ERP)	
791-798.9 MHz	FX	5M00W9W 25K0F3E	30 W (ERP)	
2120-2200 MHz	FX	40M0M7D 40M0M7N 25K0F3E	30 W (ERP)	
2200-2300 MHz	FX	40M0W9W 40M0M7N 25K0F3E	30 W (ERP)	

Frequency Information

Aztec, AZ - NL 32-52-00; WL 113-26-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2410-2500 MHz	FX	40M0M7D 40M0M7N 25K0F3E	30 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) Operation is subject to "notification" of the Paging Service licensees in 152 MHz and 152 MHz/158 MHz within 50 miles of the test area.
- (4) Secure consents from the AWS licensees prior to accessing to 2120-2200 MHz band.
- (5) Coordinate with the Fixed Microwave Service licensees prior to operation in 2410-2500 MHz band.
- (6) Coordinate with the local SBE frequency coordinator prior to operation in 69-69.5 MHz, 152- 153. 5 MHz, 159-160.5 MHz, 166-167.5 MHz and 2410-2500 MHz bands.
- (7) DoD AFC AZ concurs with the subject Lockheed Martin FCC STA request with the requirement that Lockheed Martin will coordinate any and all use of frequencies between 2100 and 2300 MHz with the YPG Spectrum Manager (YPG SMO), prior to the intended use by Lockheed Martin. This requirement is to prevent RFI to YPG as well as to the Lockheed Martin tests. Use of frequencies within the band other than the 2100 -2300 MHz band do not require prior coordination with the YPG SMO. The coordination number for this STA is 16080801.
YPG Spectrum Management Officer (YPG SMO)
Steven D. Sparks
COM: 928-328-7144
steven.d.sparks.civ@mail.mil

Special Conditions:

(8) The following frequencies must be notched to protect Navy operations in the area:

138.9750 MHz +/- 6.25 KHz
139.2500 MHz +/- 3 KHz
139.2750 MHz +/- 3.5 KHz
139.3125 MHz +/- 6.25 KHz
139.4500 MHz +/- 6.25 KHz
139.4625 MHz +/- 3.5 KHz

427.7500 MHz +/- 3.25 MHz
432.7500 MHz +/- 3.25 MHz
437.7500 MHz +/- 3.25 MHz
442.7500 MHz +/- 3.25 MHz

2205 MHz +/- 4.25 MHz
2205.5 MHz +/- 4.055 MHz
2215 MHz +/- 9.25 MHz
2225 MHz +/- 9.25 MHz
2231.5 MHz +/- 4.055 MHz
2235 MHz +/- 9.25 MHz
2245 MHz +/- 9.25 MHz
2265 MHz +/- 9.25 MHz
2275 MHz +/- 9.25 MHz
2285 MHz +/- 4.79 MHz