

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WH9XTP

(Call Sign)

0562-EX-ST-2014

(File Number)

NAME The BOEING Company

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:

This requirement supports Line Of Sight data link communication testing during flight test. Communication with the MSA aircraft will be via a Wave Relay ground station.

Station Locations

- (1) China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 37,000 ft AGL, China Lake, CA, within 600 km, centered around NL 35-41-22; WL 117-41-15
- (2) Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37,000 ft AGL, Yuma AZ, within 600 km, centered around NL 32-39-13; WL 114-36-06
- (3) Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37,000 ft AGL, Honolulu, HI, within 600 km, centered around NL 21-20-35; WL 157-57-42

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 37,000 ft AGL, China Lake, CA, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX		1532 W (ERP)	
		3M85G1D		
		7M70G1D		
		15M4G1D		
		4M60G1D		
		8M13G1D		

This authorization effective August 13, 2014 and
will expire 3:00 A.M. EST February 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 37,000 ft AGL, China Lake, CA, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX	16M3G1D	1532 W (ERP)	
2391-2495 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	13 W (ERP)	

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37,000 ft AGL, Yuma AZ, within 600 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	1532 W (ERP)	
2391-2495 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	13 W (ERP)	

Frequency Information

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37,000 ft AGL, Honolulu, HI, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2495 MHz	FX	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	1532 W (ERP)	
2391-2495 MHz	MO	3M85G1D 7M70G1D 15M4G1D 4M60G1D 8M13G1D 16M3G1D	13 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) The designated point-of-contact to terminate transmissions if interference occurs is Phil Tsiang at 253-657-8218, Mark Poad at 253-657-8265, Tom Ott at 253-657-7934 and Jahn Goede 206-544-2543.
- (4) Boeing Company must coordinate with the local SBE frequency coordinator and the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) in each proposed venue prior to accessing to the requested frequency bands.
- (5) The Boeing Company must notch out the following during operations in China Lake, CA and Yuma, AZ:
2400 - 2420 MHz
2443 - 2463 MHz

Special Conditions:

- (6) The Boeing Company must coordinate with (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California operations and with (JFMO PAC), Mr. Robert Marcial at (808-477-7239) prior to any Hawaiian operations to mitigate harmful interference to Navy and Marine Corps assignments. The Boeing Company must also comply with any and all restrictions that may be levied by WAFC and JFMO PAC.