

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

EXPERIMENTAL

(Nature of Service)

WH9XEH

(Call Sign)

XT FX MO

(Class of Station)

1065-EX-ST-2013

(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 and Beyond Line Of Sight voice and data link communication testing during flight test. Communication will be via a Talon Radio ground station.

Station Locations

- (1) China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km, centered around NL 35-42-22; WL 117-41-15
- (2) Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37000 ft AGL, Yuma, AZ, within 600 km, centered around NL 33-39-13; WL 114-36-06
- (3) Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, centered around NL 21-20-35; WL 157-57-42

Frequency Information

China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
230.75 MHz	FX	23K0F3E 18K6F1E 37K3F1E 53K0F1D	56 W (ERP)	

This authorization effective January 01, 2014 and
will expire 3:00 A.M. EST July 02, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
230.75 MHz	FX	13K2F3E	56 W (ERP)	
230.75 MHz	MO	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E	56 W (ERP)	
325.5 MHz	FX	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E	56 W (ERP)	
325.5 MHz	MO	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E	56 W (ERP)	
356 MHz	FX	23K0F3E 18K6F1E 37K3F1E 53K0F1D 13K2F3E	56 W (ERP)	
356 MHz	MO	13K2F3E 53K0F1D 37K3F1E	56 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-42-22; WL 117-41-15; MOBILE: Flight 37000 ft AGL, China Lake, CA, within 600 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
356 MHz	MO	18K6F1E 23K0F3E	56 W (ERP)	

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37000 ft AGL, Yuma, AZ, within 600 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
230.75 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	

230.75 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	
------------	----	---	------------	--

325.5 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	
-----------	----	---	------------	--

325.5 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E	56 W (ERP)	
-----------	----	--	------------	--

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 37000 ft AGL, Yuma, AZ, within 600 km, centered around N

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
325.5 MHz	FX	53K0F1D	56 W (ERP)	
356 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	
356 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
230.75 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	
230.75 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E	56 W (ERP)	

Frequency Information

Honolulu (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 37000 ft AGL, Honolulu, HI, within 600 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
230.75 MHz	FX	53K0F1D	56 W (ERP)	
325.5 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	
325.5 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	
356 MHz	MO	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 W (ERP)	
356 MHz	FX	18K6F1E 23K0F3E 37K3F1E 13K2F3E 53K0F1D	56 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.

Special Conditions:

- (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) 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 Western Area Frequency Coordinator (WAFC), Mr. J. Szelog at (760) 939-6948 prior to any California 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.