

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

EXPERIMENTAL
(Nature of Service)

WG2XOR
(Call Sign)

XT FX MO
(Class of Station)

0141-EX-PL-2013
(File Number)

NAME The BOEING Company

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) Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, centered around NL 31-55-01; WL 110-36-46
- (2) Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km
- (3) China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km
- (4) Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	NON	1.1 W (ERP)	
500-755 MHz	MO	NON	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N	1.1 W (ERP)	

This authorization effective November 06, 2013 and
will expire 3:00 A.M. EST November 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	MO	N0N	1.1 W (ERP)	
799-931 MHz	FX	N0N	1.1 W (ERP)	
799-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	N0N	1.1 W (ERP)	
945-959 MHz	FX	N0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	FX	500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1668.5-2309 MHz	MO	N0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	N0N	1.1 W (ERP)	
1668.5-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	MO	N0N	19.3 W (ERP)	
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N	19.3 W (ERP)	

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	MO	500KP0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N	19.3 W (ERP)	

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	FX	500KP0N	19.3 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	MO	N0N	61 W (ERP)	

Frequency Information

Ft Huachuca (COCHISE), AZ - NL 31-55-01; WL 110-36-46; MOBILE: Flight 15000 ft AGL, Ft Huachuca, AZ, within 65 km, ce

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	N0N	1.1 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	MO	N0N	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	MO	N0N	1.1 W (ERP)	
799-931 MHz	FX	N0N	1.1 W (ERP)	
799-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	N0N	1.1 W (ERP)	
945-959 MHz	FX	N0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N	1.1 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	MO	500KP0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1611-1645 MHz	FX	500KP0N	1.1 W (ERP)	
1668.5-2309 MHz	MO	N0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	N0N	1.1 W (ERP)	
1668.5-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	MO	N0N	19.3 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N	19.3 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	FX	500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N	61 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8501-8999 MHz	FX	500KP0N	61 W (ERP)	
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	MO	N0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

Yuma (YUMA), AZ - NL 32-39-13; WL 114-36-06; MOBILE: Flight 15000 ft AGL, Yuma, AZ, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15400-15699 MHz	MO	N0N	61 W (ERP)	
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	N0N	1.1 W (ERP)	
500-755 MHz	MO	N0N	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	MO	N0N	1.1 W (ERP)	
799-931 MHz	FX	N0N	1.1 W (ERP)	
799-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	FX	N0N	1.1 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	MO	N0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1611-1645 MHz	FX	500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	N0N	1.1 W (ERP)	
1668.5-2309 MHz	MO	N0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1668.5-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N	1.1 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2699 MHz	MO	500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	N0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N	61 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8501-8999 MHz	FX	500KP0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	MO	N0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N	61 W (ERP)	

Frequency Information

China Lake (KERN), CA - NL 35-41-22; WL 117-41-15; MOBILE: Flight 15000 ft AGL, China Lake, CA, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9501-14349 MHz	FX	500KP0N	61 W (ERP)	
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	N0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-755 MHz	FX	N0N	1.1 W (ERP)	
500-755 MHz	MO	N0N	1.1 W (ERP)	
500-755 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
500-755 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	MO	N0N	1.1 W (ERP)	
799-931 MHz	FX	N0N	1.1 W (ERP)	
799-931 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
799-931 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	MO	N0N	1.1 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
945-959 MHz	FX	N0N	1.1 W (ERP)	
945-959 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
945-959 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	MO	N0N	1.1 W (ERP)	
1526-1544 MHz	FX	N0N	1.1 W (ERP)	
1526-1544 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1526-1544 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1611-1645 MHz	MO	N0N	1.1 W (ERP)	
1611-1645 MHz	FX	N0N	1.1 W (ERP)	
1611-1645 MHz	MO	1M00P0N	1.1 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1611-1645 MHz	MO	500KP0N	1.1 W (ERP)	
1611-1645 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
1668.5-2309 MHz	MO	N0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	N0N	1.1 W (ERP)	
1668.5-2309 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
1668.5-2309 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	MO	N0N	1.1 W (ERP)	
2391-2699 MHz	FX	N0N	1.1 W (ERP)	
2391-2699 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
2391-2699 MHz	FX	1M00P0N	1.1 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2391-2699 MHz	FX	500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	N0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	N0N	1.1 W (ERP)	
2901-2999.9 MHz	FX	1M00P0N 500KP0N	1.1 W (ERP)	
2901-2999.9 MHz	MO	1M00P0N 500KP0N	1.1 W (ERP)	
3701-4199 MHz	MO	N0N	19.3 W (ERP)	
3701-4199 MHz	FX	N0N	19.3 W (ERP)	
3701-4199 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
3701-4199 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4401-4999 MHz	MO	N0N	19.3 W (ERP)	
4401-4999 MHz	FX	N0N	19.3 W (ERP)	
4401-4999 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
4401-4999 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	MO	N0N	19.3 W (ERP)	
5251-5599 MHz	FX	N0N	19.3 W (ERP)	
5251-5599 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
5251-5599 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	N0N	19.3 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5651-5999.9 MHz	MO	N0N	19.3 W (ERP)	
5651-5999.9 MHz	FX	1M00P0N 500KP0N	19.3 W (ERP)	
5651-5999.9 MHz	MO	1M00P0N 500KP0N	19.3 W (ERP)	
6000-7124 MHz	FX	N0N	61 W (ERP)	
6000-7124 MHz	MO	N0N	61 W (ERP)	
6000-7124 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
6000-7124 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
8501-8999 MHz	MO	N0N	61 W (ERP)	
8501-8999 MHz	FX	N0N	61 W (ERP)	
8501-8999 MHz	MO	1M00P0N	61 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8501-8999 MHz	MO	500KP0N	61 W (ERP)	
8501-8999 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	MO	N0N	61 W (ERP)	
9201-9299 MHz	FX	N0N	61 W (ERP)	
9201-9299 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
9201-9299 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	FX	N0N	61 W (ERP)	
9501-14349 MHz	MO	N0N	61 W (ERP)	
9501-14349 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
9501-14349 MHz	MO	1M00P0N	61 W (ERP)	

Frequency Information

Hickam AFB (HONOLULU), HI - NL 21-20-35; WL 157-57-42; MOBILE: Flight 15000 ft AGL, Hickam AFB, HI, within 65 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9501-14349 MHz	MO	500KP0N	61 W (ERP)	
15400-15699 MHz	MO	N0N	61 W (ERP)	
15400-15699 MHz	FX	N0N	61 W (ERP)	
15400-15699 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
15400-15699 MHz	FX	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	MO	N0N	61 W (ERP)	
16201-18000 MHz	FX	N0N	61 W (ERP)	
16201-18000 MHz	MO	1M00P0N 500KP0N	61 W (ERP)	
16201-18000 MHz	FX	1M00P0N 500KP0N	61 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) 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 at 206-544-2543
- (4) Operation is NOT PERMITTED using the following frequency bands: 608-614 MHz, 799-806 MHz, 2033-2035 MHz, 2200-2290 MHz, 3000-3650 MHz, and 10000-10500 MHz.
- (5) Operation must obtain consent from the Advanced Wireless Service licensees prior to operation in 1710-1755 MHz, 1915-1920 MHz, 1995-2000 MHz, 2020-2025 MHz, 2110-2180 MHz.
- (6) Operation must get consent from the Educational Broadband Services and Broadband Radio Services licensees prior to accessing 2500-2690 MHz.
- (7) Operation is subject to prior coordinate with the local Society Broadcast Engineer frequency coordinator and the Fixed Microwave Service licensees before operation in the rest of the proposed frequencies.