

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

EXPERIMENTAL

(Nature of Service)

WE2XWM

(Call Sign)

XT FX MO

(Class of Station)

0101-EX-ML-2011

(File Number)

NAME Boeing Company, The

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(b) of the Commission's Rules

Station Locations

- (1) Victorville (YUBA), CA - NL 34-35-42; WL 117-23-24; MOBILE: At temporarily fixed locations, Victorville, CA, within 5 km, centered around NL 34-35-42; WL 117-23-24

Frequency Information

Victorville (YUBA), CA - NL 34-35-42; WL 117-23-24; MOBILE: At temporarily fixed locations, Victorville, CA, within 5 km, cer

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.10000000 MHz	MO	10K0P0N	0.010000 W (Output Power)	
75.00000000 MHz	MO	6K00A2A	0.010000 W (Output Power)	
108.00000000 MHz	MO	20K0A9W	0.010000 W (Output Power)	
108.05000000 MHz	MO	20K0A9W	0.010000 W (Output Power)	

This authorization effective April 26, 2011 and
will expire 3:00 A.M. EST January 01, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Victorville (YUBA), CA - NL 34-35-42; WL 117-23-24; MOBILE: At temporarily fixed locations, Victorville, CA, within 5 km, cer

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
108.10000000 MHz	MO	6K00A9W	0.010000 W (Output Power)	
108.15000000 MHz	MO	6K00A9W	0.001000 W (ERP)	
334.55000000 MHz	MO	300HA1N	0.001000 W (ERP)	
334.70000000 MHz	MO	300HA1N	0.004000 W (Output Power)	
979.00000000 MHz	MO	2M00M1A	0.003000 W (Output Power)	
1030.00000000 MHz	MO	12M0M1D	0.003000 W (Output Power)	
1090.00000000 MHz	MO	6M40V7D	0.018000 W (Output Power)	
1104.00000000 MHz	MO	12M0M1D	0.003000 W (Output Power)	

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) ERP shall not exceed the power levels listed

Special Conditions:

- (4) Testing on the frequencies 1030 MHz/1090 MHz shall comply with the following:
 - a) The ramp tester must be set to interrogate at the interrogation rate of 235 Hz.
 - b) The Mode-C reply from the aircraft must be ground level otherwise no free-space radiation.
 - c) Only one ramp tester may operate at a time.
- (5) Operations must adhere to FCC Part 87 Subpart Q rules.
- (6) Operation is subject to prior coordination with the FAA's Western Service Area Los Angeles Office (FMO) at 310-725-3671/ 3668/ 7470/ 3669 at least 24 hours prior to testing.
- (7) Licensee shall operate in accordance with all parameters agreed and follow FAA restrictions.
- (8) Unit must be operated under a hood with a dummy load, or directly connected via cable to the aircraft receiver to reduce free space radiation.
- (9) Mode C response must indicate an altitude below sea level or above 90,000 ft if the unit is not directly connected via cable to the receiver.
- (10) The designated point-to-contact to terminate transmissions if interference occurs is the Victorville Air Traffic Control tower 760-246-7827.
- (11) Operation is NOT permitted on the frequency 978 MHz due to potential interference to Federal Government operations.