

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XTL

(Call Sign)

0038-EX-PL-2015

(File Number)

NAME Panasonic Avionics Corporation

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) MOBILE: Temporary fixed around parked aircraft, within 0.5 km, centered around NL 38-41-27; WL 75-21-21

Frequency Information

MOBILE: Temporary fixed around parked aircraft, within 0.5 km, centered around NL 38-41-27; WL 75-21-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
410-420 MHz	MO	1M00N0N	13.7 W (ERP)	
450-460 MHz	MO	1M00N0N	13.7 W (ERP)	
450.4-457.6 MHz	MO	1M00P0N	29.5 W (ERP)	
479-484 MHz	MO	1M00N0N	13.7 W (ERP)	

This authorization effective June 25, 2015 and
will expire 3:00 A.M. EST July 01, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary fixed around parked aircraft, within 0.5 km, centered around NL 38-41-27; WL 75-21-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
614-698 MHz	MO	1M00N0N 1M00P0N	29.6 W (ERP)	
776-794 MHz	MO	1M00N0N	13.7 W (ERP)	
806-849 MHz	MO	1M00N0N	13.7 W (ERP)	
824-849 MHz	MO	1M00N0N	13.7 W (ERP)	
824-849 MHz	MO	1M00P0N	29.5 W (ERP)	
870-925 MHz	MO	1M00N0N	13.7 W (ERP)	
876-915 MHz	MO	1M00P0N	29.5 W (ERP)	
1427.9-1447.9 MHz	MO	1M00N0N 1M00P0N	1.06 W (ERP)	
1447.9-1462.9 MHz	MO	1M00N0N 1M00P0N	1.06 W (ERP)	

Frequency Information

MOBILE: Temporary fixed around parked aircraft, within 0.5 km, centered around NL 38-41-27; WL 75-21-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1613.8-1626.5 MHz	MO	1M00P0N	13.7 W (ERP)	
1626.5-1660.5 MHz	MO	1M00N0N 1M00P0N	1.06 W (ERP)	
1710-1785 MHz	MO	1M00N0N 1M00P0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00N0N 1M00P0N	13.7 W (ERP)	
1900-1920 MHz	MO	1M00P0N	1.8 W (ERP)	
1920-1980 MHz	MO	1M00N0N	13.7 W (ERP)	
2010-2025 MHz	MO	1M00P0N	1.8 W (ERP)	
2110-2170 MHz	MO	1M00N0N	1.8 W (ERP)	
2300-2400 MHz	MO	1M00N0N 1M00P0N	1.06 W (ERP)	

Frequency Information

MOBILE: Temporary fixed around parked aircraft, within 0.5 km, centered around NL 38-41-27; WL 75-21-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2497 MHz	MO	1M00P0N	2.9 W (ERP)	
2500-2685 MHz	MO	1M00P0N 1M00N0N	13.7 W (ERP)	
3400-3600 MHz	MO	1M00P0N 1M00N0N	13.7 W (ERP)	
5150-5250 MHz	MO	1M00P0N	2.9 W (ERP)	
5250-5350 MHz	MO	1M00P0N	2.9 W (ERP)	
5470-5725 MHz	MO	1M00P0N	2.9 W (ERP)	
5725-5825 MHz	MO	1M00P0N	2.9 W (ERP)	

Special Conditions:

- (1) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (2) This frequency assignment in one of the bands 1435-1535 or 2310-2390 MHz was coordinated prior to authorization with the Mid-Atlantic Area Frequency Coordinator (AFC), Patuxent River, MD, who also coordinated it, as appropriate, with the Aerospace and Flight Test Radio Coordinating Council. Use of this frequency under the authority of this assignment is subject to such further coordination with the AFC as necessary to ensure compatibility with existing uses.
- (3) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.

Special Conditions:

- (4) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (5) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (6) Panasonic Aviation must notch out the following frequencies:
410.0625-410.0875 MHz
413.1-413.125 MHz
413.5875-413.6125 MHz
5600-5650 MHz