

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XGI

(Call Sign)

0201-EX-ML-2012

(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, Aircraft on the Ground, within 0.5 km, centered around NL 30-10-07; WL 82-34-11
- (2) MOBILE: Temporary Fixed, Aircraft on the Ground, within 0.5 km, centered around NL 27-58-35; WL 82-31-30

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 0.5 km, centered around NL 30-10-07; WL 82-34-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
410-420 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 March 26, 2013 and
will expire 3:00 A.M. EST November 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
776-794 MHz	MO	1M00N0N	13.7 W (ERP)	
806-849 MHz	MO	1M00N0N	13.7 W (ERP)	
824-849 MHz	MO	P0N	29.5 W (ERP)	
824-849 MHz	MO	1M00P0N	29.5 W (ERP)	
824-849 MHz	MO	1M00N0N	13.7 W (ERP)	
824-849 MHz	MO	1M00N0N	13.7 W (ERP)	
824-849 MHz	MO	1M00N0N	13.7 W (ERP)	
870-925 MHz	MO	1M00N0N	13.7 W (ERP)	
876-915 MHz	MO	1M00P0N	29.5 W (ERP)	
1613.8-1626.5 MHz	MO	1M00P0N	13.7 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1785 MHz	MO	1M00N0N	13.7 W (ERP)	
1710-1785 MHz	MO	1M00P0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00N0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00N0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00N0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00P0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00P0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00P0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00P0N	13.7 W (ERP)	
1900-1920 MHz	MO	1M00P0N	1.8 W (ERP)	
1920-1980 MHz	MO	1M00N0N	13.7 W (ERP)	

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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)	
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)	

Frequency Information

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410-420 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)	
776-794 MHz	MO	1M00N0N	13.7 W (ERP)	
806-849 MHz	MO	1M00N0N	13.7 W (ERP)	
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870-925 MHz	MO	1M00N0N	13.7 W (ERP)	
876-915 MHz	MO	1M00P0N	29.5 W (ERP)	
1613.8-1626.5 MHz	MO	1M00P0N	13.7 W (ERP)	
1710-1785 MHz	MO	1M00N0N	13.7 W (ERP)	
1710-1785 MHz	MO	1M00P0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00N0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00N0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00N0N	13.7 W (ERP)	
1850-1910 MHz	MO	1M00P0N	13.7 W (ERP)	
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1850-1910 MHz	MO	1M00P0N	13.7 W (ERP)	
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1920-1980 MHz	MO	1M00N0N	13.7 W (ERP)	
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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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 is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (3) 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.
- (4) Licensee is aware that cell phones operating in the 1755-1785 MHz band are not authorized by the FCC in the US and testing is solely for determining interference to avionics equipment.
- (5) Operations in the 421-450 MHz are used by federal radiolocations and are subject to interference from Radars.
- (6) Licensee should coordinate with Fixed Microwave licensees in the test site areas to prevent interference with fixed point to point paths and with possible Temporary Fixed/Mobile point-to-point paths
- (7) Licensee shall notch 413.1-413.125 at Lake City, FL location.
- (8) Testing on 1613.8-1626.5 MHz is denied due to high power levels adjacent to GPS operations.
- (9) Licensee shall notch 413.1-413.125 MHz, 414-414.025 MHz and 416.8625-416.8875 MHz at the Tampa, FL location