

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

EXPERIMENTAL

(Nature of Service)

WE9XDS

(Call Sign)

XT MO

(Class of Station)

0550-EX-ST-2009

(File Number)

NAME Panasonic Avionics Corporation

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:

It is the case that passengers are bringing onboard many types of personal communications (or transmit portable devices - T-PEDs) devices, whether they be mobile phones, Wi-Fi enabled

Station Locations

- (1) MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 47-54-22; WL 122-16-53
- (2) MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 34-35-51; WL 117-22-59
- (3) MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 36-05-52; WL 79-56-14
- (4) MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 31-38-16; WL 97-04-45

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
421-494 MHz	MO	NON	0.5 W (ERP)	

This authorization effective November 23, 2009 and
will expire 3:00 A.M. EST May 23, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450.2-457.6 MHz	MO	N0NXXX	31.6 W (ERP)	
478.8-486 MHz	MO	N0NXXX	31.6 W (ERP)	
479-484 MHz	MO	N0N	15.8 W (ERP)	
776-794 MHz	MO	N0N	15.8 W (ERP)	
806-849 MHz	MO	N0N	15.8 W (ERP)	
806-825 MHz	MO	N0NXXX	31.6 W (ERP)	
806-894 MHz	MO	N0NXXX	0.5 W (ERP)	
824-849 MHz	MO	N0N	15.8 W (ERP)	
824-829 MHz	MO	N0N	4 W (ERP)	
824-849 MHz	MO	N0NXXX	31.6 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	N0NXXX	15.8 W (ERP)	
824-849 MHz	MO	N0NXXX	4 W (ERP)	
870-925 MHz	MO	N0N	15.8 W (ERP)	
876-915 MHz	MO	N0NXXX	31.6 W (ERP)	
887-889 MHz	MO	N0NXXX	15.8 W (ERP)	
893-901 MHz	MO	N0NXXX	15.8 W (ERP)	
896-901 MHz	MO	N0NXXX	31.6 W (ERP)	
915-958 MHz	MO	N0NXXX	15.8 W (ERP)	
921-960 MHz	MO	N0NXXX	0.5 W (ERP)	
1427.9-1452.9 MHz	MO	N0N	4 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1453-1465 MHz	MO	N0NXXX	31.6 W (ERP)	
1477-1501 MHz	MO	N0NXXX	15.8 W (ERP)	
1710-1785 MHz	MO	N0N N0NXXX	15.8 W (ERP)	
1805-1880 MHz	MO	N0N	1 W (ERP)	
1805-1880 MHz	MO	200KLXW	0.3 W (ERP)	
1850-1910 MHz	MO	N0N	15.8 W (ERP)	
1850-1910 MHz	MO	N0N	4 W (ERP)	
1850-1910 MHz	MO	N0NXXX	15.8 W (ERP)	
1850-1910 MHz	MO	N0NXXX	4 W (ERP)	
1895-1918 MHz	MO	N0NXXX N0NXXX	0.3 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1900-1920 MHz	MO	N0NXXX	4 W (ERP)	
1920-1980 MHz	MO	N0N	4 W (ERP)	
1920-1980 MHz	MO	N0N	15.8 W (ERP)	
1930-1990 MHz	MO	N0N	1 W (ERP)	
2010-2025 MHz	MO	N0N	7.9 W (ERP)	
2010-2025 MHz	MO	N0NXXX	4 W (ERP)	
2110-2170 MHz	MO	N0N	0.5 W (ERP)	
2110-2170 MHz	MO	N0NXXX	7.9 W (ERP)	
2300-2400 MHz	MO	N0N	5 W (ERP)	
2400-2484 MHz	MO	N0NXXX	7.9 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 47-54-22; WL 122-16-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2500-2690 MHz	MO	N0N	4 W (ERP)	
5150-5250 MHz	MO	N0NXXX	7.9 W (ERP)	
5250-5350 MHz	MO	N0NXXX	7.9 W (ERP)	
5727-5825 MHz	MO	N0NXXX	7.9 W (ERP)	

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 34-35-51; WL 117-22-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
421-494 MHz	MO	N0N	0.5 W (ERP)	
450.2-457.6 MHz	MO	N0NXXX	31.6 W (ERP)	
478.8-486 MHz	MO	N0NXXX	31.6 W (ERP)	
479-484 MHz	MO	N0N	15.8 W (ERP)	
776-794 MHz	MO	N0N	15.8 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 34-35-51; WL 117-22-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-849 MHz	MO	N0N	15.8 W (ERP)	
806-825 MHz	MO	N0NXXX	31.6 W (ERP)	
806-894 MHz	MO	N0NXXX	0.5 W (ERP)	
824-849 MHz	MO	N0N	15.8 W (ERP)	
824-829 MHz	MO	N0N	4 W (ERP)	
824-849 MHz	MO	N0NXXX	31.6 W (ERP)	
824-849 MHz	MO	N0NXXX	15.8 W (ERP)	
824-849 MHz	MO	N0NXXX	4 W (ERP)	
870-925 MHz	MO	N0N	15.8 W (ERP)	
876-915 MHz	MO	N0NXXX	31.6 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 34-35-51; WL 117-22-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
887-889 MHz	MO	N0NXXX	15.8 W (ERP)	
893-901 MHz	MO	N0NXXX	15.8 W (ERP)	
896-901 MHz	MO	N0NXXX	31.6 W (ERP)	
915-958 MHz	MO	N0NXXX	15.8 W (ERP)	
921-960 MHz	MO	N0NXXX	0.5 W (ERP)	
1427.9-1452.9 MHz	MO	N0N	4 W (ERP)	
1453-1465 MHz	MO	N0NXXX	31.6 W (ERP)	
1477-1501 MHz	MO	N0NXXX	15.8 W (ERP)	
1710-1785 MHz	MO	N0N N0NXXX	15.8 W (ERP)	
1805-1880 MHz	MO	N0NXXX	1 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 34-35-51; WL 117-22-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1805-1880 MHz	MO	200KLXW	0.3 W (ERP)	
1850-1910 MHz	MO	N0N	15.8 W (ERP)	
1850-1910 MHz	MO	N0N	4 W (ERP)	
1850-1910 MHz	MO	N0NXXX	15.8 W (ERP)	
1850-1910 MHz	MO	N0NXXX	4 W (ERP)	
1895-1918 MHz	MO	N0NXXX N0NXXX	0.3 W (ERP)	
1900-1920 MHz	MO	N0NXXX	4 W (ERP)	
1920-1980 MHz	MO	N0N	15.8 W (ERP)	
1920-1980 MHz	MO	N0N	4 W (ERP)	
1930-1990 MHz	MO	N0N	1 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 34-35-51; WL 117-22-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2010-2025 MHz	MO	N0N	7.9 W (ERP)	
2010-2025 MHz	MO	N0NXXX	4 W (ERP)	
2110-2170 MHz	MO	N0N	0.5 W (ERP)	
2110-2170 MHz	MO	N0NXXX	7.9 W (ERP)	
2300-2400 MHz	MO	N0N	5 W (ERP)	
2400-2484 MHz	MO	N0NXXX	7.9 W (ERP)	
2500-2690 MHz	MO	N0N	4 W (ERP)	
5150-5250 MHz	MO	N0NXXX	7.9 W (ERP)	
5250-5350 MHz	MO	N0NXXX	7.9 W (ERP)	
5727-5825 MHz	MO	N0NXXX	7.9 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 36-05-52; WL 79-56-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
421-494 MHz	MO	N0N	0.5 W (ERP)	
450.2-457.6 MHz	MO	N0NXXX	31.6 W (ERP)	
478.8-486 MHz	MO	N0NXXX	31.6 W (ERP)	
479-484 MHz	MO	N0N	15.8 W (ERP)	
776-794 MHz	MO	N0N	15.8 W (ERP)	
806-849 MHz	MO	N0N	15.8 W (ERP)	
806-825 MHz	MO	N0NXXX	31.6 W (ERP)	
806-894 MHz	MO	N0NXXX	0.5 W (ERP)	
824-849 MHz	MO	N0N	15.8 W (ERP)	
824-829 MHz	MO	N0N	4 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 36-05-52; WL 79-56-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	N0NXXX	31.6 W (ERP)	
824-849 MHz	MO	N0NXXX	15.8 W (ERP)	
824-849 MHz	MO	N0NXXX	4 W (ERP)	
870-925 MHz	MO	N0N	15.8 W (ERP)	
876-915 MHz	MO	N0NXXX	31.6 W (ERP)	
887-889 MHz	MO	N0NXXX	15.8 W (ERP)	
893-901 MHz	MO	N0NXXX	15.8 W (ERP)	
896-901 MHz	MO	N0NXXX	31.6 W (ERP)	
915-958 MHz	MO	N0NXXX	15.8 W (ERP)	
921-960 MHz	MO	N0NXXX	0.5 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 36-05-52; WL 79-56-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1427.9-1452.9 MHz	MO	N0N	4 W (ERP)	
1453-1465 MHz	MO	N0NXXX	31.6 W (ERP)	
1477-1501 MHz	MO	N0NXXX	15.8 W (ERP)	
1710-1785 MHz	MO	N0N N0NXXX	15.8 W (ERP)	
1805-1880 MHz	MO	N0NXXX	1 W (ERP)	
1805-1880 MHz	MO	200KLXW	0.3 W (ERP)	
1850-1910 MHz	MO	N0N	15.8 W (ERP)	
1850-1910 MHz	MO	N0N	4 W (ERP)	
1850-1910 MHz	MO	N0NXXX	15.8 W (ERP)	
1850-1910 MHz	MO	N0NXXX	4 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 36-05-52; WL 79-56-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1895-1918 MHz	MO	N0NXXX N0NXXX	0.3 W (ERP)	
1900-1920 MHz	MO	N0NXXX	4 W (ERP)	
1920-1980 MHz	MO	N0N	15.8 W (ERP)	
1920-1980 MHz	MO	N0N	4 W (ERP)	
1930-1990 MHz	MO	N0N	1 W (ERP)	
2010-2025 MHz	MO	N0N	7.9 W (ERP)	
2010-2025 MHz	MO	N0NXXX	4 W (ERP)	
2110-2170 MHz	MO	N0N	0.5 W (ERP)	
2110-2170 MHz	MO	N0NXXX	7.9 W (ERP)	
2300-2400 MHz	MO	N0N	5 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 36-05-52; WL 79-56-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2484 MHz	MO	N0NXXX	7.9 W (ERP)	
2500-2690 MHz	MO	N0N	4 W (ERP)	
5150-5250 MHz	MO	N0NXXX	7.9 W (ERP)	
5250-5350 MHz	MO	N0NXXX	7.9 W (ERP)	
5727-5825 MHz	MO	N0NXXX	7.9 W (ERP)	

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 31-38-16; WL 97-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
421-494 MHz	MO	N0N	0.5 W (ERP)	
450.2-457.6 MHz	MO	N0NXXX	31.6 W (ERP)	
478.8-486 MHz	MO	N0NXXX	31.6 W (ERP)	
479-484 MHz	MO	N0N	15.8 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 31-38-16; WL 97-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
776-794 MHz	MO	N0N	15.8 W (ERP)	
806-849 MHz	MO	N0N	15.8 W (ERP)	
806-825 MHz	MO	N0NXXX	31.6 W (ERP)	
806-894 MHz	MO	N0NXXX	0.5 W (ERP)	
824-849 MHz	MO	N0N	15.8 W (ERP)	
824-829 MHz	MO	N0N	4 W (ERP)	
824-849 MHz	MO	N0NXXX	31.6 W (ERP)	
824-849 MHz	MO	N0NXXX	15.8 W (ERP)	
824-849 MHz	MO	N0NXXX	4 W (ERP)	
870-925 MHz	MO	N0N	15.8 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 31-38-16; WL 97-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
876-915 MHz	MO	N0NXXX	31.6 W (ERP)	
887-889 MHz	MO	N0NXXX	15.8 W (ERP)	
893-901 MHz	MO	N0NXXX	15.8 W (ERP)	
896-901 MHz	MO	N0NXXX	31.6 W (ERP)	
915-958 MHz	MO	N0NXXX	15.8 W (ERP)	
921-960 MHz	MO	N0NXXX	0.5 W (ERP)	
1427.9-1452.9 MHz	MO	N0N	4 W (ERP)	
1453-1465 MHz	MO	N0NXXX	31.6 W (ERP)	
1477-1501 MHz	MO	N0NXXX	15.8 W (ERP)	
1710-1785 MHz	MO	N0N N0NXXX	15.8 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 31-38-16; WL 97-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1805-1880 MHz	MO	N0NXXX	1 W (ERP)	
1805-1880 MHz	MO	200KLXW	0.3 W (ERP)	
1850-1910 MHz	MO	N0N	15.8 W (ERP)	
1850-1910 MHz	MO	N0N	4 W (ERP)	
1850-1910 MHz	MO	N0NXXX	15.8 W (ERP)	
1850-1910 MHz	MO	N0NXXX	4 W (ERP)	
1895-1918 MHz	MO	N0NXXX N0NXXX	0.3 W (ERP)	
1900-1920 MHz	MO	N0NXXX	4 W (ERP)	
1920-1980 MHz	MO	N0N	15.8 W (ERP)	
1920-1980 MHz	MO	N0N	4 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 31-38-16; WL 97-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	MO	N0N	1 W (ERP)	
2010-2025 MHz	MO	N0N	7.9 W (ERP)	
2010-2025 MHz	MO	N0NXXX	4 W (ERP)	
2110-2170 MHz	MO	N0N	0.5 W (ERP)	
2110-2170 MHz	MO	N0NXXX	7.9 W (ERP)	
2300-2400 MHz	MO	N0N	5 W (ERP)	
2400-2484 MHz	MO	N0NXXX	7.9 W (ERP)	
2500-2690 MHz	MO	N0N	4 W (ERP)	
5150-5250 MHz	MO	N0NXXX	7.9 W (ERP)	
5250-5350 MHz	MO	N0NXXX	7.9 W (ERP)	

Frequency Information

MOBILE: Temporary Fixed, Aircraft on the Ground, within 1 km, centered around NL 31-38-16; WL 97-04-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5727-5825 MHz	MO	N0NXXX	7.9 W (ERP)	

Special Conditions:

- (1) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 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) Coordination must be obtained from the Western Area Frequency Coordinator at (760) 939-6948 for Victorville, CA location.
- (7) 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