

RADIO TEST REPORT

Test Report No. 16315416H

Customer	Pacific Industrial Company, LTD.
Description of EUT	TPMS (Tire Pressure Monitoring System Transmitter)
Model Number of EUT	PMV-H104
FCC ID	PAXPMVH104
Test Regulation	FCC Part 15 Subpart C
Test Result	Complied
Issue Date	June 4, 2026
Remarks	-

Representative test engineerKiyoshiro Okazaki
Engineer**Approved by**Shinichi Miyazono
Leader

CERTIFICATE 5107.02

- ☐ The testing in which "Non-accreditation" is displayed is outside the accreditation scopes in UL Japan, Inc.
- ☒ There is no testing item of "Non-accreditation".

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- For any test report referred in this report, the latest version (including any revisions) is always referred to.
- If the latest version is a revision, it replaces the previous version. See the table below for revisions and versions.

REVISION HISTORY

Revision	Test Report No.	Date	Page Revised Contents
- (Original)	16315416H	June 4, 2026	-

Reference: Abbreviations (Including words undescribed in this report)

A2LA	The American Association for Laboratory Accreditation	ICES	Interference-Causing Equipment Standard
AC	Alternating Current	IEC	International Electrotechnical Commission
AFH	Adaptive Frequency Hopping	IEEE	Institute of Electrical and Electronics Engineers
AM	Amplitude Modulation	IF	Intermediate Frequency
Amp, AMP	Amplifier	ILAC	International Laboratory Accreditation Conference
ANSI	American National Standards Institute	ISED	Innovation, Science and Economic Development Canada
Ant, ANT	Antenna	ISO	International Organization for Standardization
AP	Access Point	JAB	Japan Accreditation Board
ASK	Amplitude Shift Keying	LAN	Local Area Network
Atten., ATT	Attenuator	LIMS	Laboratory Information Management System
AV	Average	MCS	Modulation and Coding Scheme
BPSK	Binary Phase-Shift Keying	MRA	Mutual Recognition Arrangement
BR	Bluetooth Basic Rate	N/A	Not Applicable
BT	Bluetooth	NIST	National Institute of Standards and Technology
BT LE	Bluetooth Low Energy	NS	No signal detect.
BW	BandWidth	NSA	Normalized Site Attenuation
Cal Int	Calibration Interval	NVLAP	National Voluntary Laboratory Accreditation Program
CCK	Complementary Code Keying	OBW	Occupied Band Width
Ch., CH	Channel	OFDM	Orthogonal Frequency Division Multiplexing
CISPR	Comite International Special des Perturbations Radioelectriques	P/M	Power meter
CW	Continuous Wave	PCB	Printed Circuit Board
DBPSK	Differential BPSK	PER	Packet Error Rate
DC	Direct Current	PHY	Physical Layer
D-factor	Distance factor	PK	Peak
DFS	Dynamic Frequency Selection	PN	Pseudo random Noise
DQPSK	Differential QPSK	PRBS	Pseudo-Random Bit Sequence
DSSS	Direct Sequence Spread Spectrum	PSD	Power Spectral Density
EDR	Enhanced Data Rate	QAM	Quadrature Amplitude Modulation
EIRP, e.i.r.p.	Equivalent Isotropically Radiated Power	QP	Quasi-Peak
EMC	ElectroMagnetic Compatibility	QPSK	Quadri-Phase Shift Keying
EMI	ElectroMagnetic Interference	RBW	Resolution Band Width
EN	European Norm	RDS	Radio Data System
ERP, e.r.p.	Effective Radiated Power	RE	Radio Equipment
EU	European Union	RF	Radio Frequency
EUT	Equipment Under Test	RMS	Root Mean Square
Fac.	Factor	RSS	Radio Standards Specifications
FCC	Federal Communications Commission	Rx	Receiving
FHSS	Frequency Hopping Spread Spectrum	SA, S/A	Spectrum Analyzer
FM	Frequency Modulation	SG	Signal Generator
Freq.	Frequency	SVSWR	Site-Voltage Standing Wave Ratio
FSK	Frequency Shift Keying	TR	Test Receiver
GFSK	Gaussian Frequency-Shift Keying	Tx	Transmitting
GNSS	Global Navigation Satellite System	VBW	Video BandWidth
GPS	Global Positioning System	Vert.	Vertical
Hori.	Horizontal	WLAN	Wireless LAN

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SECTION 1: Customer Information

Company Name	Pacific Industrial Company, LTD.
Address	1300-1, Yokoi, Godo-cho, Anpachi-gun, Gifu 503-2397, Japan
Telephone Number	+81-584-28-0111
Contact Person	Akihiro Mori

The information provided by the customer is as follows;

- Customer, Description of EUT, Model Number of EUT, FCC ID on the cover and other relevant pages
- Operating/Test Mode(s) (Mode(s)) on all the relevant pages
- SECTION 1: Customer Information
- SECTION 2: Equipment Under Test (EUT) other than the Receipt Date and Test Date
- SECTION 4: Operation of EUT during testing

SECTION 2: Equipment Under Test (EUT)

2.1 Identification of EUT

Description	TPMS (Tire Pressure Monitoring System Transmitter)
Model Number	PMV-H104
Serial Number	Refer to SECTION 4.2
Condition	Production prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification	No Modification by the test lab
Receipt Date	May 7, 2026
Test Date	May 14 and 17, 2026

2.2 Product Description

General Specification

Rating	DC 3 V
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Radio Specification

Equipment Type	Transmitter
Frequency of Operation	433.92 MHz
Type of Modulation	FSK

SECTION 3: Test Summary

3.1 Test Specification

Test Specification	FCC Part 15 Subpart C The latest version on the first day of the testing period
Title	FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators Section 15.231 Periodic operation in the band 40.66-40.70 MHz and above 70 MHz.

3.2 Reference Standards

ANSI/USEMCSC C63.2-2023
ANSI C63.4-2014/C63.4a-2017
ANSI C63.5-2017
ANSI C63.10-2020
ANSI/USEMCSC C63.10/Cor 1-2023
ANSI/USEMCSC C63.10a-2024 (incl. Errata) for ISED
ANSI C63.25.1-2018

3.3 Summary of Test Results

Item	Specification	Results	Remarks
Conducted emission	FCC: Section 15.207 ISED: RSS-Gen 8.8	N/A	*1)
Automatically deactivate	FCC: Section 15.231(a)(2) Section 15.231(e) ISED: RSS-210 A1.2 (b) RSS-210 A1.5 (b)	Complied	Radiated
Electric Field Strength of Fundamental Emission	FCC: Section 15.231(e) ISED: RSS-210 A1.5 (c)	Complied	Radiated
Electric Field Strength of Spurious Emission	FCC: Section 15.205 Section 15.209 Section 15.231(b) Section 15.231(e) ISED: RSS-210 A1.5 (d) RSS-Gen 8.9	Complied	Radiated
-20 dB Bandwidth	FCC: Section 15.231(c) ISED: Reference data	Complied	Radiated

Note: UL Japan, Inc.'s EMI Work Procedures: Work Instructions-ULID-003591 and Work Instructions-ULID-003593.

*1) The test is not applicable since the EUT does not have AC Mains.

FCC Part 15.31 (e)

The test was performed with the New Battery during the tests.
Therefore, this EUT complies with the requirement.

FCC Part 15.203 Antenna requirement

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT.

Therefore, the equipment complies with the antenna requirement of Section 15.203.

3.4 Addition to Standard

Item	Specification	Results	Remarks
99% emission bandwidth	Reference data	-	Radiated

Note: UL Japan, Inc.'s EMI Work Procedures: Work Instructions-ULID-003591 and Work Instructions-ULID-003593.

Other than above, no addition, exclusion nor deviation has been made from the standard.

3.5 Uncertainty

Measurement uncertainty is not taken into account when stating conformity with a specified requirement.
Note: When margins obtained from test results are less than the measurement uncertainty, the test results may exceed the limit.

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor $k = 2$.

Radiated emission

Measurement distance	Frequency range		Unit	Calculated Uncertainty (+/-)
3 m	9 kHz to 30 MHz		dB	4.8
10 m			dB	4.7
3 m	30 MHz to 200 MHz	Horizontal	dB	5.0
		Vertical	dB	5.0
	200 MHz to 1000 MHz	Horizontal	dB	5.2
		Vertical	dB	6.2
10 m	30 MHz to 200 MHz	Horizontal	dB	5.5
		Vertical	dB	5.4
	200 MHz to 1000 MHz	Horizontal	dB	5.5
		Vertical	dB	5.5
3 m	1 GHz to 6 GHz		dB	5.1
	6 GHz to 18 GHz		dB	5.5
1 m	6 GHz to 18 GHz		dB	5.5
	18 GHz to 26.5 GHz		dB	5.7
	26.5 GHz to 40 GHz		dB	4.8
0.5 m	18 GHz to 40 GHz		dB	5.8

Automatically deactivate, -20 dB Bandwidth and 99% Occupied Bandwidth

Item	Unit	Calculated Uncertainty (+/-)
Bandwidth (OBW)	%	0.96
Time readout (time span upto 100 msec)	%	0.11
Time readout (time span upto 1000 msec)	%	0.11
Time readout (time span upto 60 sec)	%	0.02

3.6 Test Location

UL Japan, Inc. Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 Japan

Telephone: +81-596-24-8999

*A2LA Certificate Number: 5107.02 / FCC Test Firm Registration Number: 884919

ISED Lab Company Number: 2973C / CAB identifier: JP0002

Test site	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Other rooms	Maximum measurement distance
No.1 semi-anechoic chamber (SAC1)	19.2 x 11.2 x 7.7	7.0 x 6.0	No.1 Power source room	10 m
No.2 semi-anechoic chamber (SAC2)	7.5 x 5.8 x 5.2	4.0 x 4.0	-	3 m
No.3 semi-anechoic chamber (SAC3)	12.0 x 8.5 x 5.9	6.8 x 5.75	No.3 Preparation room (PR3)	3 m
No.3 shielded room (SR3)	4.0 x 6.0 x 2.7	N/A	-	-
No.4 semi-anechoic chamber (SAC4)	12.0 x 8.5 x 5.9	6.8 x 5.75	No.4 Preparation room (PR4)	3 m
No.4 shielded room (SR4)	4.0 x 6.0 x 2.7	N/A	-	-
No.5 semi-anechoic chamber (SAC5)	6.0 x 6.0 x 3.9	6.0 x 6.0	-	-
No.5 measurement room (MR5)	6.4 x 6.4 x 3.0	6.4 x 6.4	-	-
No.6 shielded room (SR6)	4.0 x 4.5 x 2.7	4.0 x 4.5	-	-
No.6 measurement room (MR6)	4.75 x 5.4 x 3.0	4.75 x 4.15	-	-
No.7 shielded room (SR7)	4.7 x 7.5 x 2.7	4.7 x 7.5	-	-
No.8 measurement room (MR8)	3.1 x 5.0 x 2.7	3.1 x 5.0	-	-
No.9 measurement room (MR9)	8.8 x 4.6 x 2.8	2.4 x 2.4	-	-
No.10 shielded room (SR10)	3.8 x 2.8 x 2.8	3.8 x 2.8	-	-
No.11 measurement room (MR11)	4.0 x 3.4 x 2.5	N/A	-	-
No.12 measurement room (MR12)	2.6 x 3.4 x 2.5	N/A	-	-
Large Chamber	16.9 x 22.1 x 10.17	16.9 x 22.1	-	10 m
Small Chamber	5.3 x 6.69 x 3.59	5.3 x 6.69	-	-

3.7 Test Data, Test Instruments, and Test Set Up

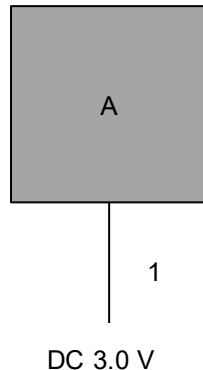
Refer to APPENDIX.

SECTION 4: Operation of EUT during testing

4.1 Operating Mode(s)

Test mode	Test Item
1) Pressure alert 1 2) Pressure alert 2 3) Pressure alert 3 4) Rotating mode 1 5) Rotating mode 2 6) Stationary mode	Automatically deactivate
7) Transmitting mode (Tx 433.92 MHz)	Average Output Power, Electric Field Strength of Fundamental Emission, Electric Field Strength of Spurious Emission, Duty Cycle, -20 dB Bandwidth / 99% emission bandwidth
* The system was configured in typical fashion (as a user would normally use it) for testing.	
*Power of the EUT was set by the software as follows;	
Software: PMV-H104 Version: 1.0 (Date: 2026.03.13, Storage location: EUT memory)	
*This setting of software is the worst case. Any conditions under the normal use do not exceed the condition of setting. In addition, end users cannot change the settings of the output power of the product.	
Justification: The system was configured in typical fashion (as a user would normally use it) for testing.	

4.2 Configuration and Peripherals



* Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.

Description of EUT

No.	Item	Model number	Serial Number	Manufacturer	Remark
A	TPMS (Tire Pressure Monitoring System Transmitter)	PMV-H104	00000193 *1) 000001C6 *2)	Pacific Industrial Company, LTD.	EUT

List of Cables Used

No.	Name	Length (m)	Shield		Remark
			Cable	Connector	
1	DC Cable	0.1	Unshielded	Unshielded	*2)

*1) Used for other tests except for Average Output Power test.

*2) Used for Average Output Power test.

SECTION 5: Radiated Spurious Emission

Test Procedure

[For below 30 MHz]

The noise level was checked by moving a search-coil (Loop Antenna) close to the EUT.

[For 30 MHz to 1 GHz]

EUT was placed on the platform of nominal size, 1.0 m by 1.5 m, raised 0.8 m above the conducting ground plane.

The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with a ground plane.

[For above 1 GHz]

EUT was placed on the platform of nominal size, 0.5 m by 0.5 m, raised 1.5 m above the conducting ground plane.

The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with absorbent materials lined on a ground plane.

The measuring antenna height was varied between 1 and 4 m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field strength.

Test antenna was aimed at the EUT for receiving the maximum signal and always kept within the illumination area of the 3 dB beamwidth of the antenna.

The measurements were performed for both vertical and horizontal antenna polarization.

The radiated emission measurements were made with the following detector function of the test receiver / spectrum analyzer.

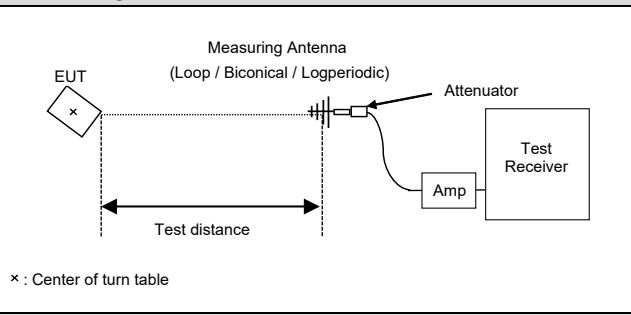
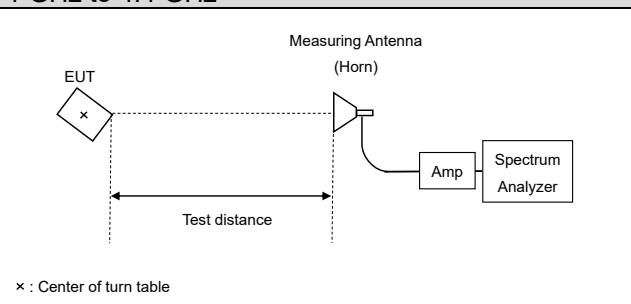
Test Antennas are used as below;

Frequency	Below 30 MHz	30 MHz to 200 MHz	200 MHz to 1 GHz	Above 1 GHz
Antenna Type	Loop	Biconical	Logperiodic	Horn

Setting;

Frequency	From 9 kHz to 90 kHz and From 110 kHz to 150 kHz	From 90 kHz to 110 kHz	From 150 kHz to 490 kHz	From 490 kHz to 30 MHz	From 30 MHz to 1 GHz	Above 1 GHz
Instrument Used	Test Receiver				Test Receiver	Spectrum Analyzer
Detector Type	Peak				Peak, Peak with Duty factor	Peak, Peak with Duty factor
Bandwidth setting	BW: 200 Hz		BW: 9 kHz		BW: 120 kHz	PK: RBW: 1 MHz, VBW: 3 MHz

[Test Setup]

Below 1 GHz	
 × : Center of turn table	Test Distance: 3 m
1 GHz to 4.4 GHz	
 × : Center of turn table	Test Distance: 3 m

- The carrier level and noise levels were confirmed at each position of X, Y and Z axes of EUT to see the position of maximum noise, and the test was made at the position that has the maximum noise.

The test results and limit are rounded off to one decimal place, so some differences might be observed.

Measurement range : 9 kHz to 4.4 GHz
Test data : APPENDIX
Test result : Pass

SECTION 6: Automatically deactivate

Test Procedure

The measurement was performed with Electric field strength using a spectrum analyzer.

Test data : APPENDIX
Test result : Pass

SECTION 7: -20 dB Bandwidth and 99% emission bandwidth

Test Procedure

The test was measured with a spectrum analyzer using a test fixture.

Test	Span	RBW	VBW	Sweep	Detector	Trace	Instrument used
-20 dB Bandwidth	2 to 5 times of OBW	1 to 5 % of OBW	Three times of RBW	Auto	Peak *1)	Max Hold *1)	Spectrum Analyzer
99% emission bandwidth	1.5 to 5 times of OBW	1 to 5 % of OBW	Three times of RBW	Auto	Peak *1)	Max Hold *1)	Spectrum Analyzer

*1) Peak hold was applied as Worst-case measurement.

Test data : APPENDIX
Test result : Pass

SECTION 8: Average Output Power

Test Procedure

Average Output Power was measured with a Power Meter to measure Burst Average.
The test data is reference data for RF Exposure.

Test data : APPENDIX

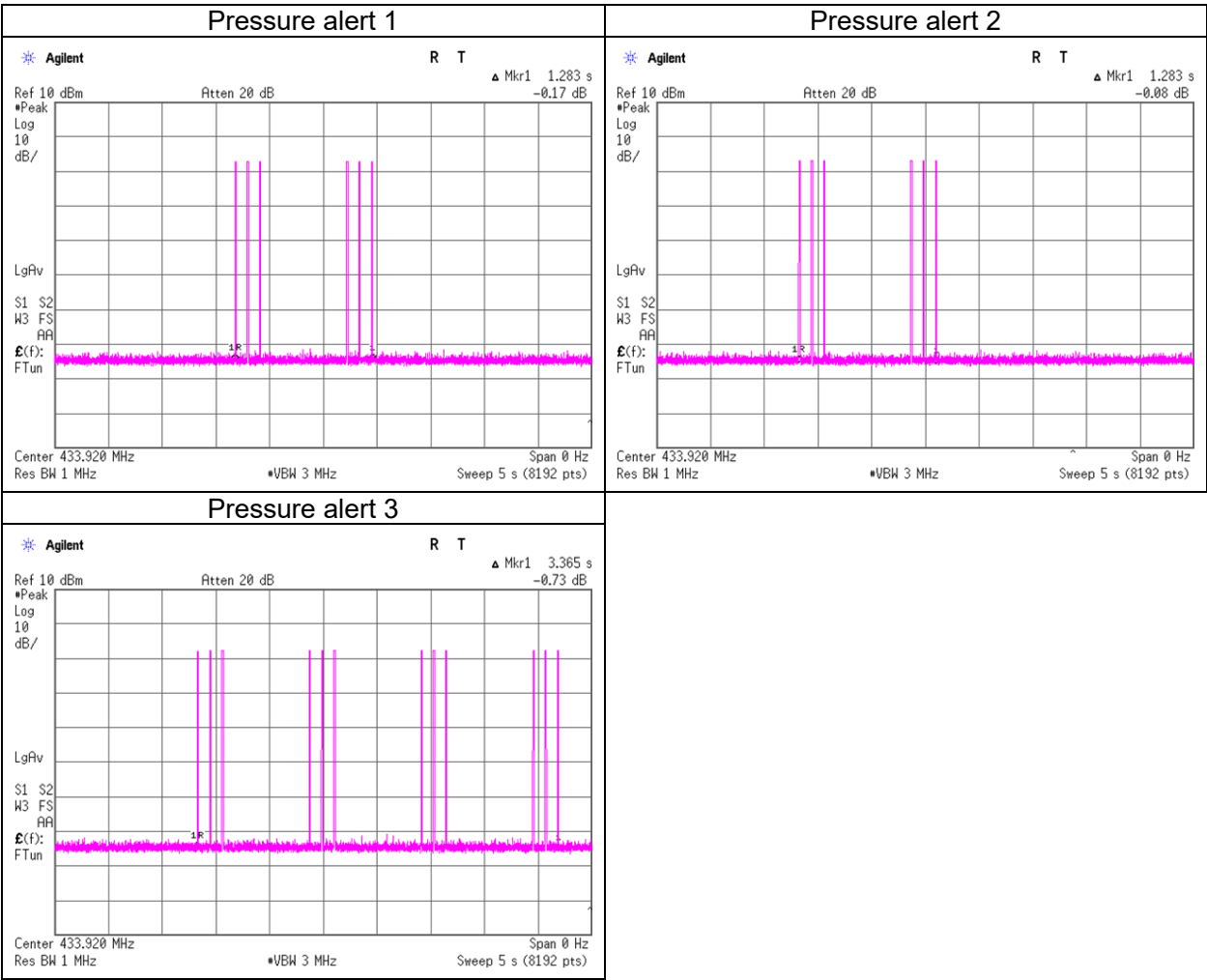
APPENDIX 1: Test Data

Automatically deactivate

Mode	Mode 1 to 3			
Date	Test site	Temperature	Humidity	Engineer
May 14, 2026	SAC2	22 deg. C	59 % RH	Shousei Hamaguchi

Operation in FCC 15.231(a)(2)

Mode	Tx Frequency [MHz]	Time of Transmitting [s]	Limit [s]	Result
Pressure alert 1	433.92	1.283	5.000	Pass
Pressure alert 2	433.92	1.283	5.000	Pass
Pressure alert 3	433.92	3.365	5.000	Pass



Automatically deactivate

Mode	Mode 4, 5			
Date	Test site	Temperature	Humidity	Engineer
May 14, 2026	SAC2	22 deg. C	59 % RH	Shousei Hamaguchi

Operation in FCC 15.231(e)

Rotating mode 1

Duration of transmission: 241.3 ms < 1 s

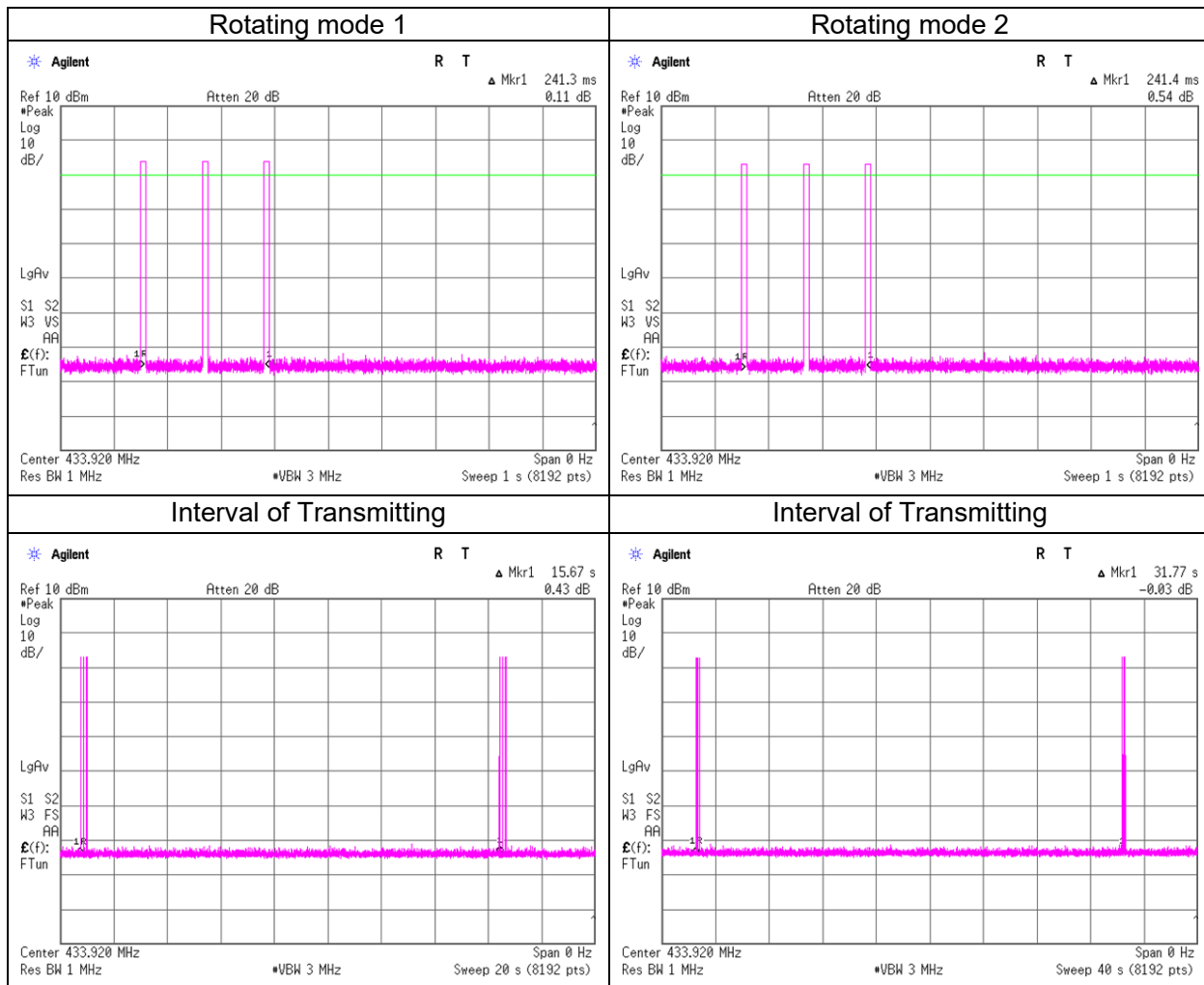
Silent period between transmissions: $16 \text{ s}^* - 0.2413 \text{ s} = 15.7587 \text{ s} > 30$ times the duration of transmission and 10 s.

Rotating mode 2

Duration of transmission: 241.4 ms < 1 s

Silent period between transmissions: $32 \text{ s}^* - 0.2414 \text{ s} = 31.7586 \text{ s} > 30$ times the duration of transmission and 10 s.

*Calculated from the technical documents



Automatically deactivate

Mode	Mode 6			
Date	Test site	Temperature	Humidity	Engineer
May 14, 2026	SAC2	22 deg. C	59 % RH	Shousei Hamaguchi

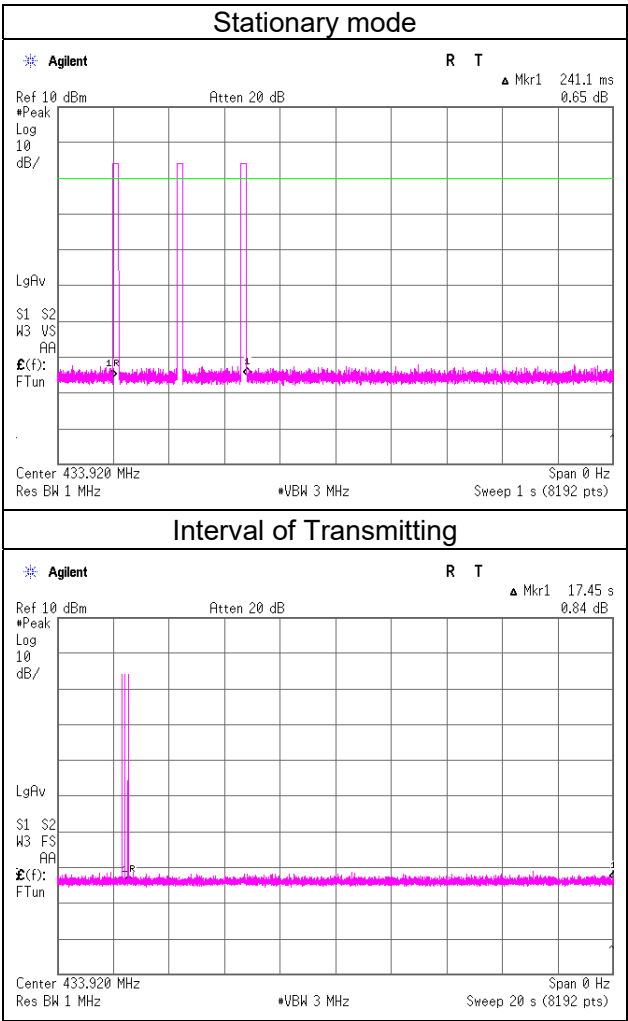
Operation in FCC 15.231(e)

Stationary mode

Duration of transmission: 241.1 ms < 1 s

Silent period between transmissions: 46800 s* - 0.2411 s = 46799.7589 s >30 times the duration of transmission and 10 s.

*Calculated from the technical documents



Average Output Power (Reference data for RF Exposure)

Mode	Mode 7			
Date	Test site	Temperature	Humidity	Engineer
May 17, 2026	SR3	22 deg. C	61 % RH	Kiyoshiro Okazaki

Freq.	Reading (P/M)	Cable Loss	Atten. Loss	Conducted Power	
				Result	
				(Burst)	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]
433.92	0.23	0.00	9.89	10.12	10.28

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

*The equipment and cables were not used for factor 0 dB of the data sheets.

*Since Burst Power is higher than Time Average Power, the test was performed at Burst Power to be more conservative.

The measurement of Burst Power used Gate function.

Radiated Emission (Fundamental and Spurious Emission)

Mode	Mode 7
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 17, 2026	SAC3	22 deg. C	61 % RH	Kiyoshiro Okazaki	30 MHz to 4.4 GHz

Polarity [Hori/Vert]	Frequency [MHz]	Reading (PK) [dBuV]	Ant Factor [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Result (PK) [dBuV/m]	Result (PK with Duty Factor) [dBuV/m]	Limit (PK) [dBuV/m]	Limit (AV) [dBuV/m]	Margin (PK) [dB]	Margin (AV) [dB]	Inside or Outside of Restricted Bands	Remarks
Hori.	433.920	86.6	16.1	10.6	32.0	-19.7	81.3	61.6	92.8	72.8	11.5	11.2	Carrier	
Hori.	867.840	42.2	21.6	12.9	31.0	-19.7	45.7	26.0	72.8	52.8	27.1	26.8	Outside	
Hori.	1301.760	48.4	25.7	3.1	34.1	-19.7	43.1	23.4	73.9	53.9	30.8	30.5	Inside	
Hori.	1735.680	52.9	25.0	2.7	33.1	-19.7	47.5	27.8	73.9	53.9	26.4	26.1	Outside	
Hori.	2169.600	47.6	28.0	2.8	32.4	-19.7	46.0	26.3	73.9	53.9	27.9	27.6	Outside	
Hori.	2603.520	50.1	27.6	2.9	32.2	-19.7	48.4	28.7	73.9	53.9	25.5	25.2	Outside	
Hori.	3037.440	47.2	28.5	3.2	32.0	-19.7	46.9	27.2	73.9	53.9	27.0	26.7	Outside	
Hori.	3471.360	47.0	28.5	3.7	31.8	-19.7	47.4	27.7	73.9	53.9	26.5	26.2	Outside	
Hori.	3905.280	51.6	29.6	4.2	31.6	-19.7	53.8	34.1	73.9	53.9	20.1	19.8	Inside	
Hori.	4339.200	59.5	30.5	4.9	31.4	-19.7	63.5	43.8	73.9	53.9	10.4	10.1	Inside	
Vert.	433.920	87.8	16.1	10.6	32.0	-19.7	82.5	62.8	92.8	72.8	10.3	10.0	Carrier	
Vert.	867.840	37.3	21.6	12.9	31.0	-19.7	40.8	21.1	72.8	52.8	32.0	31.7	Outside	
Vert.	1301.760	47.2	25.7	3.1	34.1	-19.7	41.9	22.2	73.9	53.9	32.0	31.7	Inside	
Vert.	1735.680	51.6	25.0	2.7	33.1	-19.7	46.2	26.5	73.9	53.9	27.7	27.4	Outside	
Vert.	2169.600	46.6	28.0	2.8	32.4	-19.7	45.0	25.3	73.9	53.9	28.9	28.6	Outside	
Vert.	2603.520	49.9	27.6	2.9	32.2	-19.7	48.2	28.5	73.9	53.9	25.7	25.4	Outside	
Vert.	3037.440	47.9	28.5	3.2	32.0	-19.7	47.6	27.9	73.9	53.9	26.3	26.0	Outside	
Vert.	3471.360	46.8	28.5	3.7	31.8	-19.7	47.2	27.5	73.9	53.9	26.7	26.4	Outside	
Vert.	3905.280	51.1	29.6	4.2	31.6	-19.7	53.3	33.6	73.9	53.9	20.6	20.3	Inside	
Vert.	4339.200	59.3	30.5	4.9	31.4	-19.7	63.3	43.6	73.9	53.9	10.6	10.3	Inside	

Sample calculation:

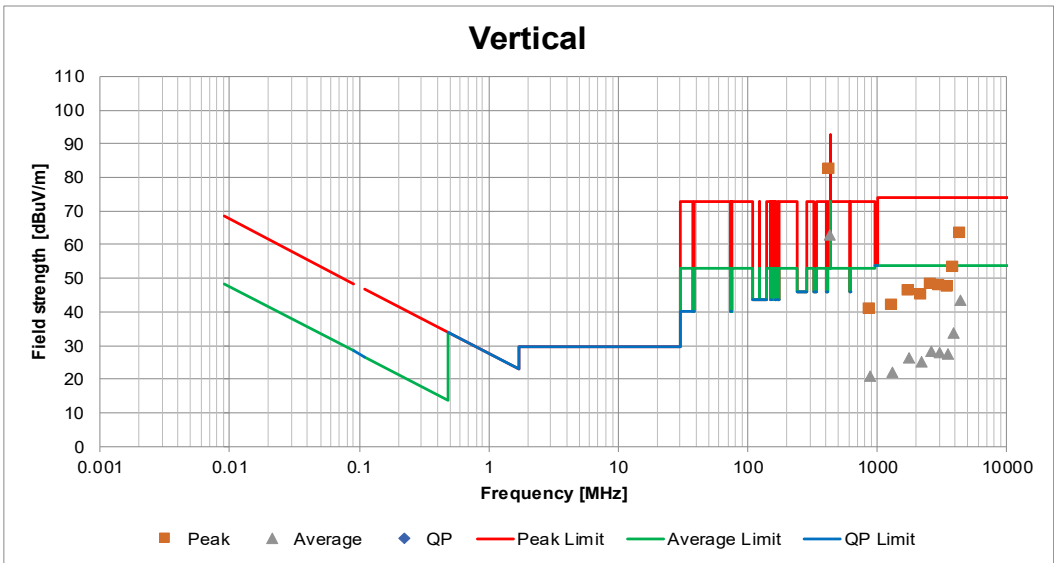
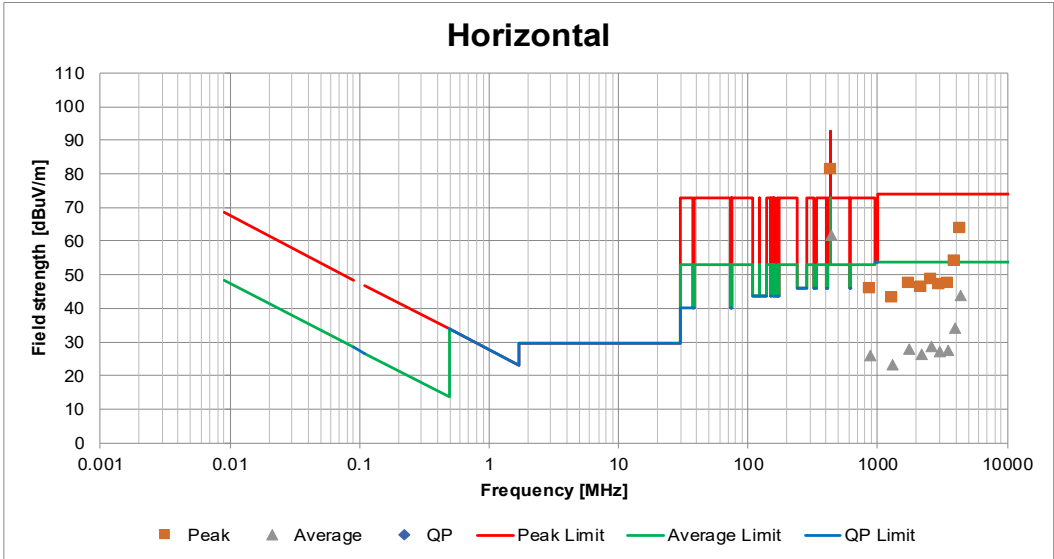
Result of PK = Reading + Ant Factor + Loss {Cable + Attenuator + Filter (above 1 GHz)} - Gain (Amplifier)

Result of PK with Duty factor (PK / W) = Reading + Ant Factor + Loss {Cable + Attenuator + Filter (above 1 GHz)} - Gain (Amplifier)
+ Duty factor (Refer to Duty cycle data sheet)

If Gain 0.0 dB shown in the above table, pre-amplifier was not used to avoid the influence of carrier power. The pre-amplifier used for carrier frequency measurement was not saturated.

Radiated Spurious Emission
(Plot data, Worst case for Fundamental Emission)

Mode	Mode 7				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 17, 2026	SAC3	22 deg. C	61 % RH	Kiyoshiro Okazaki	30 MHz to 4.4 GHz



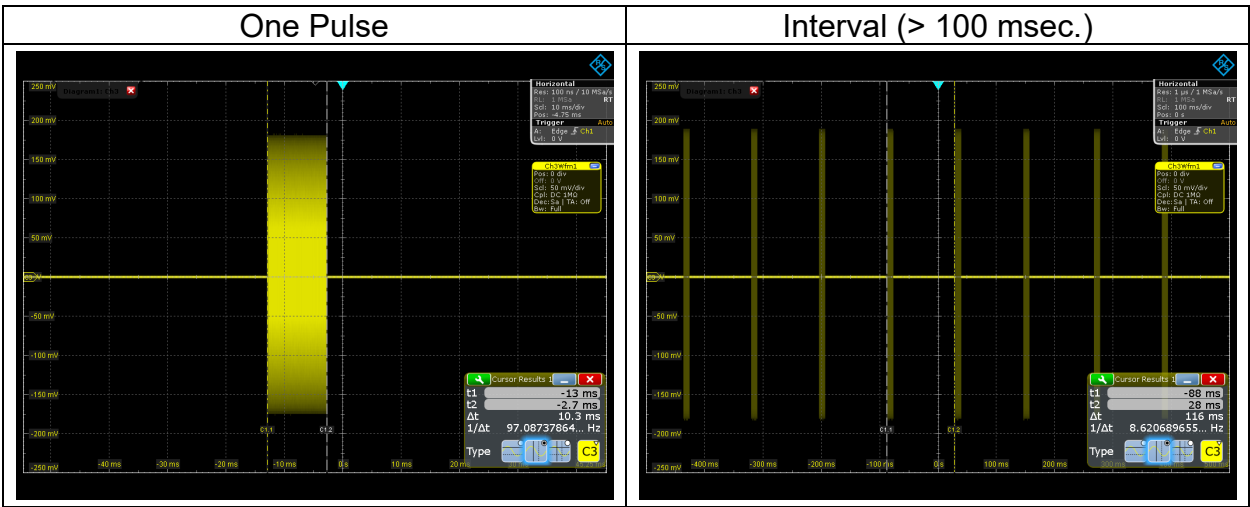
Duty Cycle

Mode	Mode 7			
Date	Test site	Temperature	Humidity	Engineer
May 17, 2026	SR3	22 deg. C	61 % RH	Kiyoshiro Okazaki

ON time [ms]	Cycle [ms]	Duty (On time/Cycle)	Duty [dB]
10.3	100	0.1030	-19.7

ON time[ms] = Type A's On Time(in 100 ms)
Duty = 20 * log₁₀(ON time/Cycle)

* "Timing of transmission" of the application documents was referred, since Intentional off time was unrealizable in measurement circumstance.



-20 dB Bandwidth / 99% emission bandwidth

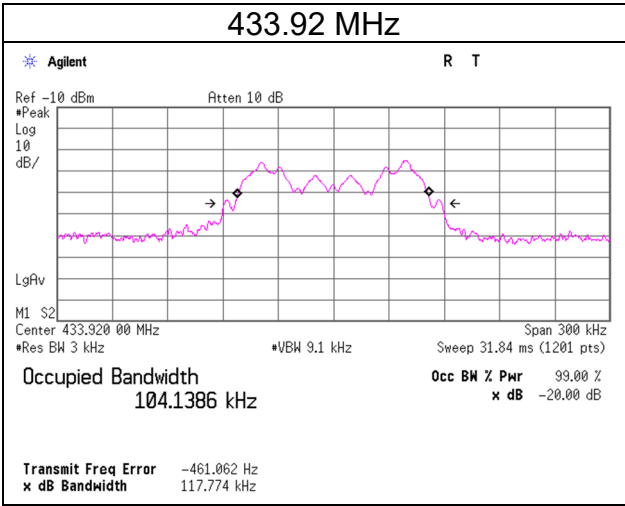
Mode	Mode 7
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Date	Test site	Temperature	Humidity	Engineer
May 17, 2026	SR3	22 deg. C	61 % RH	Kiyoshiro Okazaki

Bandwidth Limit : Fundamental Frequency 433.92 MHz x 0.25 % = 1084.800 kHz

-20 dB Bandwidth [kHz]	Bandwidth Limit [kHz]	Result
117.7740	1084.800	Pass

99% emission bandwidth [kHz]	Bandwidth Limit [kHz]	Result
104.1386	1084.800	Pass



APPENDIX 2: Test Instruments

Test Equipment

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	141267	Logperiodic Antenna (200-1000MHz)	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	9111B-192	09/12/2025	12
RE	141323	Coaxial cable	UL-ISE	-	-	09/08/2025	12
RE	141403	High Pass Filter 1.22-4.60GHz	Mini-Circuits	VHF-1200	10435	07/01/2025	12
RE	141424	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHA9103+BBA9106	1915	10/21/2025	12
RE	141507	Horn Antenna 1-18GHz	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	258	11/14/2025	12
RE	141532	DIGITAL HiTESTER	HIOKI E. E. CORPORATION	3805	051201197	01/05/2026	12
RE	141580	MicroWave System Amplifier	Keysight Technologies Inc	83017A	MY39500779	03/12/2026	12
RE	141582	Pre Amplifier	SONOMA INSTRUMENT	310	260834	02/06/2026	12
RE	141855	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46187750	11/14/2025	12
RE	141902	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46187105	10/06/2025	12
RE	141950	EMI Test Receiver	Rohde & Schwarz	ESU26	100412	01/05/2026	12
RE	141962	Digital Oscilloscope	Rohde & Schwarz	RTO1004	200355	06/03/2025	12
RE	142008	AC3 Semi Anechoic Chamber(NSA)	TDK	Semi Anechoic Chamber 3m	DA-10005	07/09/2025	24
RE	142013	AC3 Semi Anechoic Chamber(SVSWR)	TDK	Semi Anechoic Chamber 3m	DA-10005	04/14/2025	24
RE	142183	Measure	KOMELON	KMC-36	-	10/20/2025	12
RE	142314	Attenuator	Pasternack Enterprises	PE7390-6	D/C 1504	06/24/2025	12
RE	178648	EMI measurement program	TSJ (Techno Science Japan)	TEPTO-DV	-	-	-
RE	202512	Loop Antenna	UL-ISE	-	-	-	-
RE	244707	Thermo-Hygrometer	HIOKI E. E. CORPORATION	LR5001	231202102	01/13/2026	12
RE	244709	Thermo-Hygrometer	HIOKI E. E. CORPORATION	LR5001	231202103	01/13/2026	12
RE	263275	Microwave Cable	Junkosha	MWX221-05000DMSDMS+ MWX221-01000DMSDMS	2505S043+ 2503S145	04/21/2026	12
AT	141156	Attenuator(10dB)	Weinschel Corp	2	BL1173	11/04/2025	12
AT	141532	DIGITAL HiTESTER	HIOKI E. E. CORPORATION	3805	051201197	01/05/2026	12
AT	141809	Power Meter	Anritsu Corporation	ML2495A	825002	05/15/2025	12
AT	141830	Power sensor	Anritsu Corporation	MA2411B	738285	05/15/2025	12
AT	142183	Measure	KOMELON	KMC-36	-	10/20/2025	12
AT	244709	Thermo-Hygrometer	HIOKI E. E. CORPORATION	LR5001	231202103	01/13/2026	12

*Hyphens for Last Calibration Date and Cal Int (month) are instruments that Calibration is not required (e.g. software), or instruments checked in advance before use.

The expiration date of the calibration is the end of the expired month.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

Test item:

RE: Radiated Emission

AT: Antenna Terminal Conducted