

RADIO TEST REPORT

Test Report No. 16057000S-A-R1

Customer	Panasonic Automotive Systems Co., Ltd.
Description of EUT	Rear Seat Entertainment ECU
Model Number of EUT	AT2601
FCC ID	ACJ932AT2601
Test Regulation	FCC Part 15 Subpart C
Test Result	Complied
Issue Date	May 15, 2026
Remarks	-

Representative Test EngineerHiromasa Sato
Engineer**Approved By**Shinichi Takano
Engineer

CERTIFICATE 1266.03

- ☐ 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".

Report Cover Page - Form-ULID-003532 (DCS:13-EM-F0429) Issue# 26.0

ANNOUNCEMENT

- This test report shall not be reproduced in full or partial, without the written approval of UL Japan, Inc.
- The results in this report apply only to the sample tested. (Laboratory was not involved in sampling.)
- This sample tested is in compliance with the limits of the above regulation.
- The test results in this test report are traceable to the national or international standards.
- This test report must not be used by the customer to claim product certification, approval, or endorsement by the A2LA accreditation body.
- This test report covers Radio technical requirements.
It does not cover administrative issues such as Manual or non-Radio test related Requirements. (if applicable)
- The all test items in this test report are conducted by UL Japan, Inc. Shonan EMC Lab.
- The opinions and the interpretations to the result of the description in this report are outside scopes where UL Japan, Inc. has been accredited.
- The information provided by the customer for this report is identified in SECTION 1.
- The laboratory is not responsible for information provided by the customer which can impact the validity of the results.
- 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)	16057000S-A	April 16, 2026	-
1	16057000S-A-R1	May 15, 2026	<u>P.1, 5, 12</u> Corrected model name from "RSE-ECU" to "Rear Seat Entertainment ECU". <u>P.37</u> Adjusted the value to match the number of digits in the waveform (Corrected from 0.625 to 0.6253).

Reference: Abbreviations (Including words undescribed in this report)

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

CONTENTS	PAGE
SECTION 1: Customer Information	5
SECTION 2: Equipment Under Test (EUT)	5
SECTION 3: Test Summary	6
SECTION 4: Operation of EUT during testing.....	9
SECTION 5: Radiated Spurious Emission	14
SECTION 6: Antenna Terminal Conducted Tests.....	17
APPENDIX 1: Test Data	18
99 % Occupied Bandwidth and 6 dB Bandwidth.....	18
Maximum Peak Output Power	24
Average Output Power.....	29
Radiated Spurious Emission.....	39
Conducted Spurious Emission.....	86
Power Density	88
APPENDIX 2: Test Instruments.....	92
APPENDIX 3: Photographs of Test Setup.....	93
Radiated Spurious Emission.....	93
Pre-check of Worst Case Position	95
Antenna Terminal Conducted Tests	96

SECTION 1: Customer Information

Company Name	Panasonic Automotive Systems Co., Ltd. *1)
Address	4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan
Telephone Number	+81-90-6504-4663
Contact Person	Yusuke Imamura

*1) The Grantee name in the FCC application is "Panasonic Corporation of North America".

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	Rear Seat Entertainment ECU
Model Number	AT2601
Serial Number	Refer to SECTION 4.2
Condition	Engineering prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification	No Modification by the test lab
Receipt Date	January 19, 2026
Test Date	January 22 to February 4, 2026

2.2 Product Description

General Specification

Rating	DC 13.2 V
Operating temperature	-30 deg. C to +65 deg. C

Radio Specification

This report contains data provided by the customer which can impact the validity of results. UL Japan, Inc. is only responsible for the validity of results after the integration of the data provided by the customer. The data provided by the customer is marked "a)" in the table below.

WLAN (IEEE802.11b/11g/11n-20)

Equipment Type	Transceiver
Frequency of Operation	2412 MHz to 2462 MHz
Type of Modulation	DSSS, OFDM
Antenna Gain ^{a)}	2.34 dBi

Bluetooth (Low Energy)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	GFSK
Antenna Gain ^{a)}	0.90 dBi

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 47 CFR Part 15 Radio Frequency Device Subpart C Intentional Radiators Section 15.207 Conducted limits Section 15.247 Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 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
KDB 558074 D01 v05r02
KDB 662911 D01 v02r01 for FCC MIMO device

3.3 Summary of Test Results

Item	Specification	Results	Remarks
Conducted Emission	FCC: Section 15.207 ISED: RSS-Gen section 8.8	N/A	*1)
6 dB Bandwidth	FCC: Section 15.247(a)(2) ISED: RSS-247 section 6.3.1(a)	Complied	Conducted
Maximum Peak Output Power	FCC: Section 15.247(b)(3) ISED: RSS-247 section 6.3.2	Complied	Conducted
Power Density	FCC: Section 15.247(e) ISED: RSS-247 section 6.3.1(b)	Complied	Conducted
Spurious Emission Restricted Band Edges	FCC: Section 15.247(d) ISED: RSS-247 section 6.6 RSS-Gen section 8.9 RSS-Gen section 8.10	Complied	Conducted (below 30 MHz) / Radiated (above 30 MHz) *2)

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.

*2) Radiated test was selected over 30 MHz based on section 15.247(d) and KDB 558074 D01 15.247 Meas Guidance v05r02 8.5 and 8.6.

FCC Part 15.31 (e)

This EUT provides the stable voltage constantly to RF Part regardless of input voltage. Instead of a new battery, DC power supply was used for the test. That does not affect the test result, therefore the 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% Occupied Bandwidth	ISED: -	-	Conducted

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 $k = 2$.

Item	Frequency range	Uncertainty (+/-)
Conducted Emission (AC Mains) LISN	150 kHz to 30 MHz	3.2 dB
Radiated Emission (Measurement distance: 3 m)	9 kHz to 30 MHz	3.4 dB
	30 MHz to 200 MHz	4.8 dB
	200 MHz to 1 GHz	6.0 dB
	1 GHz to 6 GHz	4.7 dB
	6 GHz to 18 GHz	5.3 dB
	18 GHz to 40 GHz	5.4 dB
Radiated Emission (Measurement distance: 1 m)	1 GHz to 18 GHz	5.6 dB
	18 GHz to 40 GHz	5.7 dB

Antenna terminal test	Uncertainty (+/-)
Power Measurement above 1 GHz (Average Detector)	1.2 dB
Power Measurement above 1 GHz (Peak Detector)	2.1 dB
Spurious Emission (Conducted) below 1 GHz	1.7 dB
Conducted Emissions Power Density Measurement 1 GHz to 3 GHz	1.1 dB
Conducted Emissions Power Density Measurement 3 GHz to 18 GHz	2.7 dB
Spurious Emission (Conducted) 18 GHz to 26.5 GHz	2.9 dB
Spurious Emission (Conducted) 26.5 GHz to 40 GHz	2.6 dB
Bandwidth Measurement	0.012 %
Duty Cycle and Time Measurement	0.27 %
Temperature	2.2 deg.C.
Humidity	3.2 %
Voltage	0.92 %

3.6 Test Location

UL Japan, Inc. Shonan EMC Lab.

1-22-3, Megumigaoka, Hiratsuka-shi, Kanagawa-ken 259-1220 Japan

Telephone: +81-463-50-6400

A2LA Certificate Number: 1266.03

(FCC test firm registration number: 626366, ISED lab company number: 2973D / CAB identifier: JP0001)

Test room	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Maximum measurement distance
No.1 Semi-anechoic chamber (SAC1)	20.6 x 11.3 x 7.65	20.6 x 11.3	10 m
No.2 Semi-anechoic chamber (SAC2)	20.6 x 11.3 x 7.65	20.6 x 11.3	10 m
No.3 Semi-anechoic chamber (SAC3)	12.7 x 7.7 x 5.35	12.7 x 7.7	5 m
No.4 Semi-anechoic chamber (SAC4)	8.1 x 5.1 x 3.55	8.1 x 5.1	-
Wireless anechoic chamber 1 (WAC1)	9.5 x 6.0 x 5.4	9.5 x 6.0	3 m
Wireless anechoic chamber 2 (WAC2)	9.5 x 6.0 x 5.4	9.5 x 6.0	3 m
No.1 Shielded room (SR1)	6.8 x 4.1 x 2.7	6.8 x 4.1	-
No.2 Shielded room (SR2)	6.8 x 4.1 x 2.7	6.8 x 4.1	-
No.3 Shielded room (SR3)	6.3 x 4.7 x 2.7	6.3 x 4.7	-
No.4 Shielded room (SR4)	4.4 x 4.7 x 2.7	4.4 x 4.7	-
No.5 Shielded room (SR5)	7.8 x 6.4 x 2.7	7.8 x 6.4	-
No.6 Shielded room (SR6)	7.8 x 6.4 x 2.7	7.8 x 6.4	-
No.8 Shielded room (SR8)	3.45 x 5.5 x 2.4	3.45 x 5.5	-
No.1 Measurement room (MR1)	2.55 x 4.1 x 2.5	-	-
No.2 Measurement room (MR2)	4.5 x 3.5 x 2.5	-	-
Wireless shielded room 1 (WSR1)	3.0 x 4.5 x 2.7	3.0 x 4.5	-
Wireless shielded room 2 (WSR2)	3.0 x 4.5 x 2.7	3.0 x 4.5	-

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)

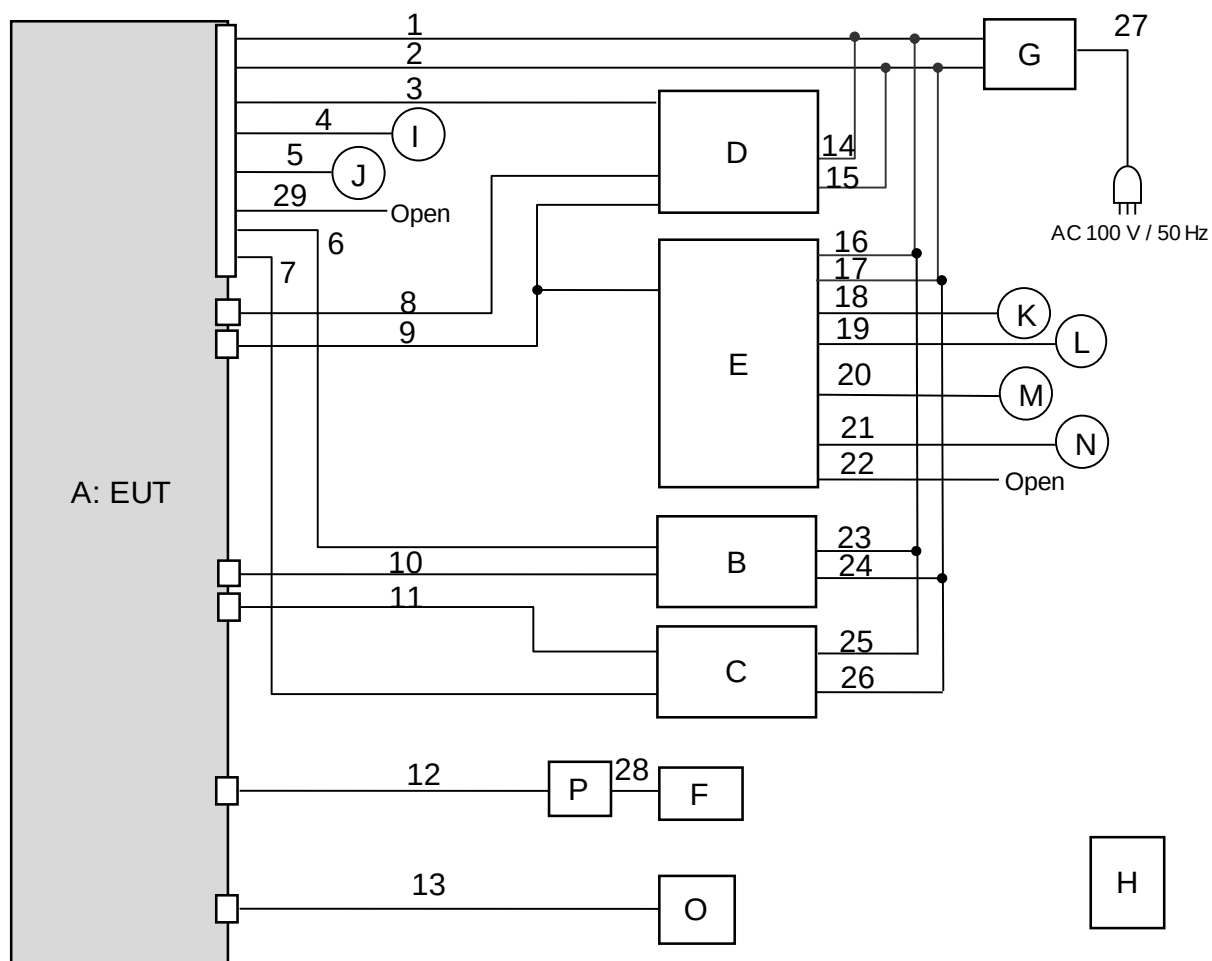
Mode	Remarks*
IEEE 802.11b (11b)	1 Mbps, PN9
IEEE 802.11g (11g)	6 Mbps, PN9
IEEE 802.11n 20 MHz BW (11n-20)	MCS 0 (GI : 800 ns), PN9
Bluetooth Low Energy (BT LE)	Uncoded 1M-PHY (1M), Maximum Packet Size, PRBS9
	Uncoded 2M-PHY (2M), Maximum Packet Size, PRBS9
*The worst condition was determined based on the test result of Maximum Peak Output Power (Low Channel)	
*Power of the EUT was set by the software as follows; Power Setting: Fixed Software: Wi-Fi: Ver.0.11 Bluetooth: Ver.1.10 (Date: 2026.01.22, 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. Test operating mode was determined as follows according to "Section 1 of 6 802.11 a/b/g/n testing - Managing Complex Regulatory Approvals - " of TCB Council Workshop October 2009.	

* Details of Operating Mode(s)

Test Item	Operating Mode	Tested Frequency
Conducted Spurious Emission (Below 30 MHz), Radiated Spurious Emission (Below 1 GHz)	Tx 11g *1)	2437 MHz
	Tx BT LE 2M *1)	2402 MHz
Radiated Spurious Emission (Above 1 GHz),	Tx 11b	2412 MHz 2422 MHz *2) 2437 MHz 2452 MHz *2) 2462 MHz
	Tx 11g Tx 11n-20	2412 MHz 2417 MHz *2) 2422 MHz *2) 2437 MHz 2452 MHz *2) 2457 MHz *2) 2462 MHz
	Tx BT LE 1M Tx BT LE 2M	2402 MHz 2440 MHz 2480 MHz
	Tx 11b Tx 11g Tx 11n-20	2412 MHz 2437 MHz 2462 MHz
	Tx BT LE 1M Tx BT LE 2M	2402 MHz 2440 MHz 2480 MHz
99 % Occupied Bandwidth, 6 dB Bandwidth, Maximum Peak Output Power, Power Density,	Tx 11b Tx 11g Tx 11n-20	2412 MHz 2437 MHz 2462 MHz
	Tx BT LE 1M Tx BT LE 2M	2402 MHz 2440 MHz 2480 MHz
*1) Conducted Spurious Emission (Below 30 MHz) and Spurious emissions for frequencies below 1 GHz were limited to the channel that had the highest power during the antenna terminal test, as preliminary testing indicated that changing the operating frequency had no significant impact on the emissions in those frequency bands. *2) Band edge measurement only.		

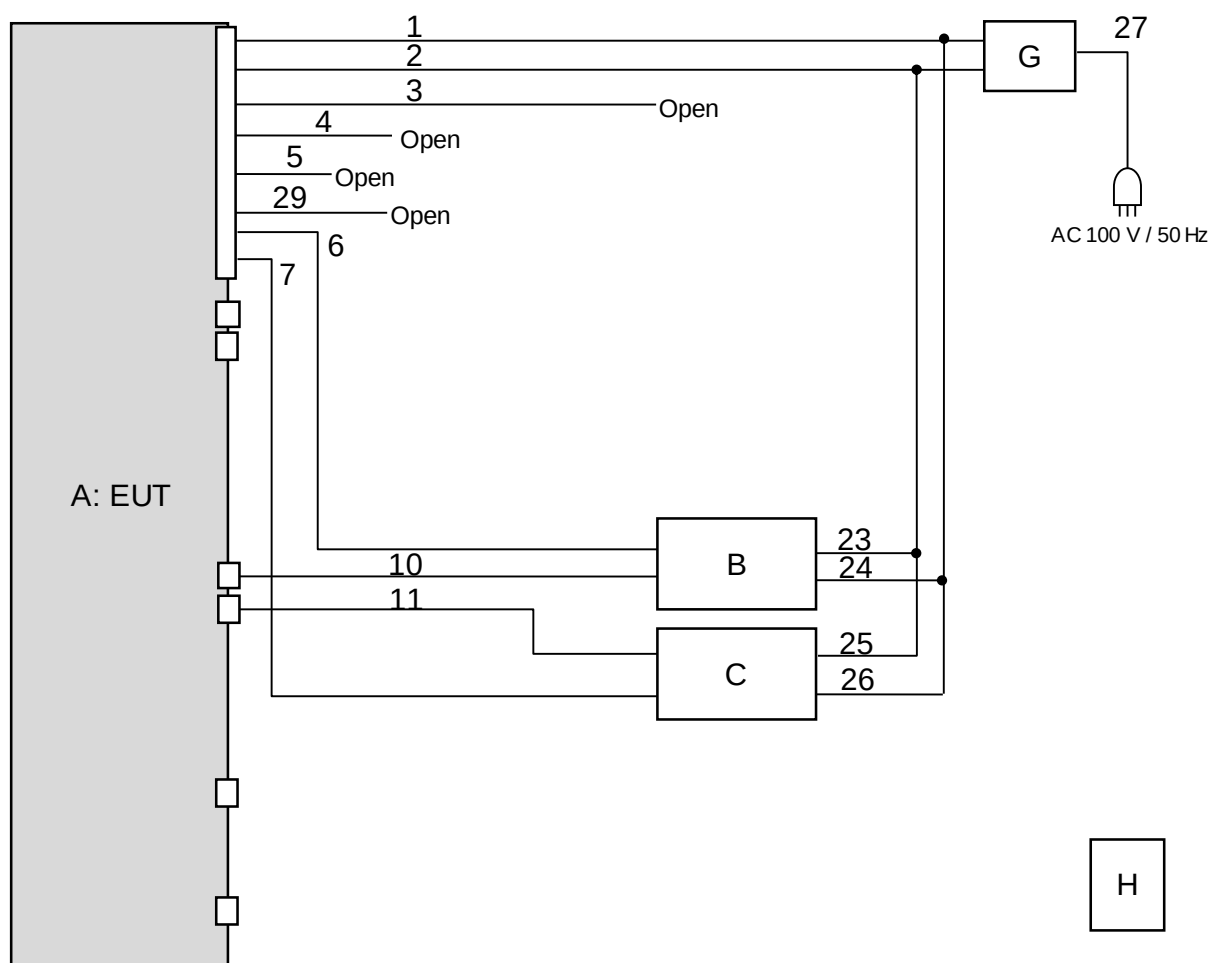
4.2 Configuration and Peripherals

[Radiated Emission test]



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

[Antenna Terminal conducted test]



Description of EUT and Support Equipment

No.	Item	Model number	Serial number	Manufacturer	Remarks
A	Rear Seat Entertainment ECU	AT2601	2S-050 *1) 2S-051 *2)	Panasonic	EUT
B	RSE-DISP	CR-FL3BJ1AJ	049	Panasonic	-
C	RSE-DISP	CR-FL3BJ1AJ	050	Panasonic	-
D	AVN	CK-BLRFN0AJ	017	Panasonic	-
E	Audio Amplifier	EAZ24A022C	00458	Panasonic	-
F	Smart Phone	MTML3J/A	39XXD6JL	Apple	-
G	Power Supply(DC)	PAN35-10A	NA000955	Kikusui Electronics Corp.	-
H	Remote Controller	CA-RTM9X0AJ	5	Panasonic	-
I	Earphone	-	-	-	-
J	Earphone	-	-	-	-
K	Speaker	LV-002	S11014200775	L&V	-
L	Speaker	LV-002	S11014200775	L&V	-
M	Speaker	LV-002	S11014200773	L&V	-
N	Speaker	LV-002	S11014200773	L&V	-
O	Mobile Phone	SC-01G Galaxy Note Edge	R38FC0CRAJT	SAMSUNG	-
P	Multiport Adapter	A2119	-	Apple	-

*1) Used for Radiated emission test.

*2) Used for Antenna Terminal conducted test.

List of Cables Used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	DC+	2.0+0.5+1.5	Unshielded	Unshielded	System Harness1
2	GND	2.0+0.5+1.5	Unshielded	Unshielded	System Harness1
3	Signal	2.0	Unshielded	Unshielded	System Harness1
4	Earphone	2.0+1.2	Shielded	Shielded	System Harness2
5	Earphone	2.0+1.3	Shielded	Shielded	System Harness2
6	Signal	2.0	Unshielded	Unshielded	System Harness2
7	Signal	2.0	Unshielded	Unshielded	System Harness3
8	GVIF	2.0	Shielded	Shielded	-
9	Step3 Harness	2.0	Shielded	Shielded	-
10	GVIF	2.0	Shielded	Shielded	-
11	GVIF	2.0	Shielded	Shielded	-
12	HDMI 1	2.0+3.0	Shielded	Shielded	-
13	HDMI 2	2.0+2.0	Shielded	Shielded	-
14	DC+	2.0	Unshielded	Unshielded	-
15	GND	2.0	Unshielded	Unshielded	-
16	DC+	0.7	Unshielded	Unshielded	-
17	GND	0.7	Unshielded	Unshielded	-
18	Speaker	0.5+3.0	Unshielded	Unshielded	-
19	Speaker	0.5+3.0	Unshielded	Unshielded	-
20	Speaker	0.5+3.0	Unshielded	Unshielded	-
21	Speaker	0.5+3.0	Unshielded	Unshielded	-
22	Signal	0.5	Unshielded	Unshielded	-
23	DC+	2.0	Unshielded	Unshielded	-
24	GND	2.0	Unshielded	Unshielded	-
25	DC+	2.0	Unshielded	Unshielded	-
26	GND	2.0	Unshielded	Unshielded	-
27	AC	2.0	Unshielded	Unshielded	-
28	USB	0.1	Shielded	Shielded	-
29	Signal	2.0	Unshielded	Unshielded	System Harness1

SECTION 5: Radiated Spurious Emission

Test Procedure

[For below 1 GHz]

EUT was placed on the platform of nominal size, 1.0 m by 2.0 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. 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 height of the measuring antenna varied between 1 m and 4 m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field strength.

The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver, or the Spectrum Analyzer.

The measurements were made with the following detector function of the test receiver and the Spectrum analyzer (in linear mode).

The test was made with the detector (RBW/VBW) in the following table.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

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

In any 100 kHz bandwidth outside the restricted band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator confirmed 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on a radiated measurement.

20 dBc was applied to the frequency over the limit of FCC 15.209 / Table 4 of RSS-Gen 8.9(ISED) and outside the restricted band of FCC15.205 / Table 6 of RSS-Gen 8.10 (ISED).

It was measured with the settings below based on ANSI C63.10.

Frequency	Below 1 GHz	Above 1 GHz		20 dBc
Instrument Used	Test Receiver	Spectrum Analyzer		Spectrum Analyzer
Detector	QP	PK	AV	PK
IF Bandwidth	BW 120 kHz	RBW: 1 MHz VBW: 3 MHz	<u>11.12.2.5.1</u> RBW: 1 MHz VBW: 3 MHz Detector: Power Averaging (RMS) Trace: 100 traces <u>11.12.2.5.2</u> The duty cycle was less than 98% for detected noise, a duty factor was added to the 11.12.2.5.1 results.	RBW: 100 kHz VBW: 300 kHz

Figure 1: Direction of the Loop Antenna

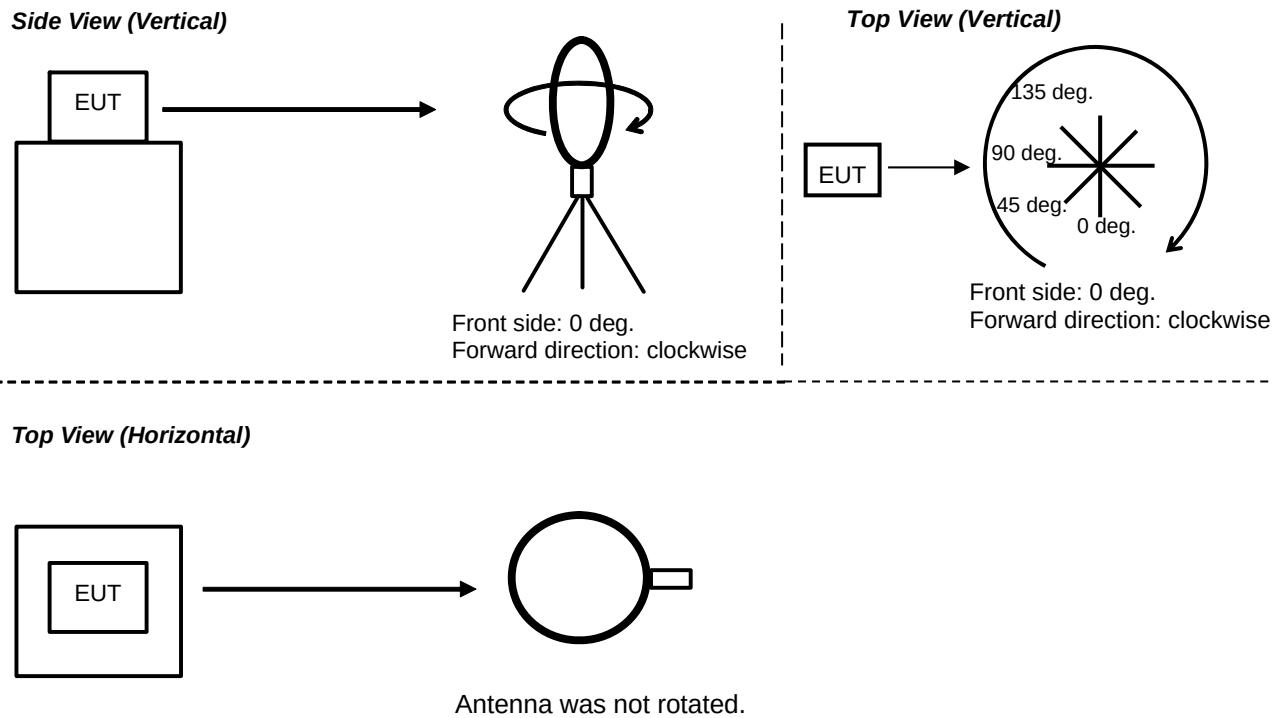
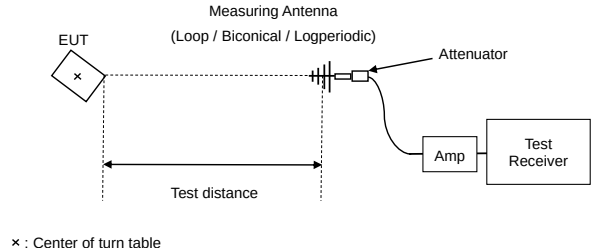
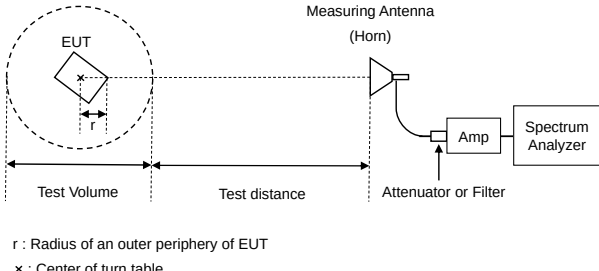
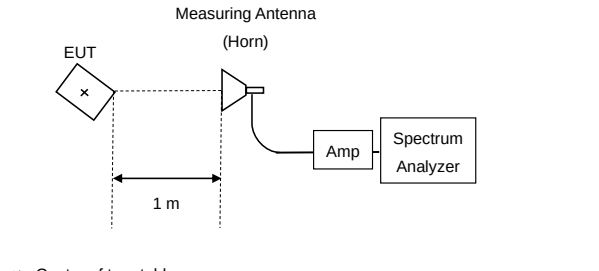


Figure 2: Test Setup

Below 1 GHz  × : Center of turn table	Test Distance: 3 m
1 GHz to 10 GHz  r : Radius of an outer periphery of EUT × : Center of turn table	Distance Factor: $20 \times \log (3.93 \text{ m}^* / 3.0 \text{ m}) = 2.35 \text{ dB}$ $*(\text{Test Distance} + \text{SVSWR Volume} / 2) - r = 3.93 \text{ m}$ Test Distance: 3.0 m SVSWR Volume: 2.0 m (SVSWR Volume has been calibrated based on CISPR 16-1-4.) r: 0.07 m
10 GHz to 26.5 GHz  × : Center of turn table	Distance Factor: $20 \times \log (1.0 \text{ m} / 3.0 \text{ m}) = -9.54 \text{ dB}$ $*\text{Test Distance: 1 m}$

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.

WLAN

Polarity	Frequency [GHz]					
	Below 0.030	0.030 to 1	1 to 2.8	2.8 to 10	10 to 18	18 to 26.5
Horizontal	X	Z	Z	Y	X	X
Vertical	X	Z	Y	X	X	Y

BT LE

Polarity	Frequency [GHz]				
	0.030 to 1	1 to 2.8	2.8 to 10	10 to 18	18 to 26.5
Horizontal	Z	X	Z	X	Y
Vertical	Z	X	Z	X	Y

Test results are rounded off and limit are rounded down, so some differences might be observed.

Measurement Range : 9 kHz to 26.5 GHz
 Test Data : APPENDIX
 Test Result : Pass

SECTION 6: Antenna Terminal Conducted Tests

Test Procedure

The tests were made with below setting connected to the antenna port.

Test	Span	RBW	VBW	Sweep time	Detector	Trace	Instrument Used
6 dB Bandwidth	50 MHz (WLAN) 3 MHz (BT LE 1M-PHY) 5 MHz (BT LE 2M-PHY)	100 kHz	300 kHz	Auto	Peak	Max Hold	Spectrum Analyzer
99% Occupied Bandwidth *1)	Enough width to display emission skirts	1 to 5 % of OBW	Three times of RBW	Auto	Peak	Max Hold	Spectrum Analyzer
Maximum Peak Output Power	-	-	-	Auto	Peak/ Average *2)	-	Power Meter (Sensor:160 MHz BW)
Peak Power Density	1.5 times the 6 dB Bandwidth	3 kHz	9.1 kHz	Auto	Peak	Max Hold	Spectrum Analyzer *3)
Conducted Spurious Emission *4) *5)	9 kHz to 150 kHz	200 Hz	620 Hz	Auto	Peak	Max Hold	Spectrum Analyzer
	150 kHz to 30 MHz	10 kHz	30 kHz				

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

*2) Reference data

*3) Section 11.10.2 Method PKPSD (peak PSD) of "ANSI C63.10-2020".

*4) In the frequency range below 30MHz, RBW was narrowed to separate the noise contents.
Then, for Bluetooth testing, wide-band noise near the limit was checked separately, however the noise was not detected as shown in the chart.
(9 kHz - 150 kHz: RBW = 200 Hz, 150 kHz - 30 MHz: RBW = 10 kHz)
For WLAN testing, wide-band noise near the limit was checked separately and the noise was detected as shown in the chart, and therefore, Radiated Emission below 30MHz was performed.

*5) The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377 Ohms. For example, the measurement at frequency 9 kHz resulted in a level of 45.5 dBuV/m, which is equivalent to 45.5 - 51.5 = -6.0 dBuA/m, which has the same margin, 3 dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

Test results are rounded off and limit are rounded down, so some differences might be observed.
The equipment and cables were not used for factor 0 dB of the data sheets.

Test Data : APPENDIX
Test Result : Pass

APPENDIX 1: Test Data

99 % Occupied Bandwidth and 6 dB Bandwidth

Mode	Tx
------	----

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

11b

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	13349.0	10.099	> 0.5000
2437	13331.1	10.082	> 0.5000
2462	13403.4	10.088	> 0.5000

11g

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	16659.0	16.392	> 0.5000
2437	16670.9	16.387	> 0.5000
2462	16656.0	16.399	> 0.5000

11n-20

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	17635.1	17.343	> 0.5000
2437	17660.2	17.349	> 0.5000
2462	17634.9	17.545	> 0.5000

BT LE 1M-PHY

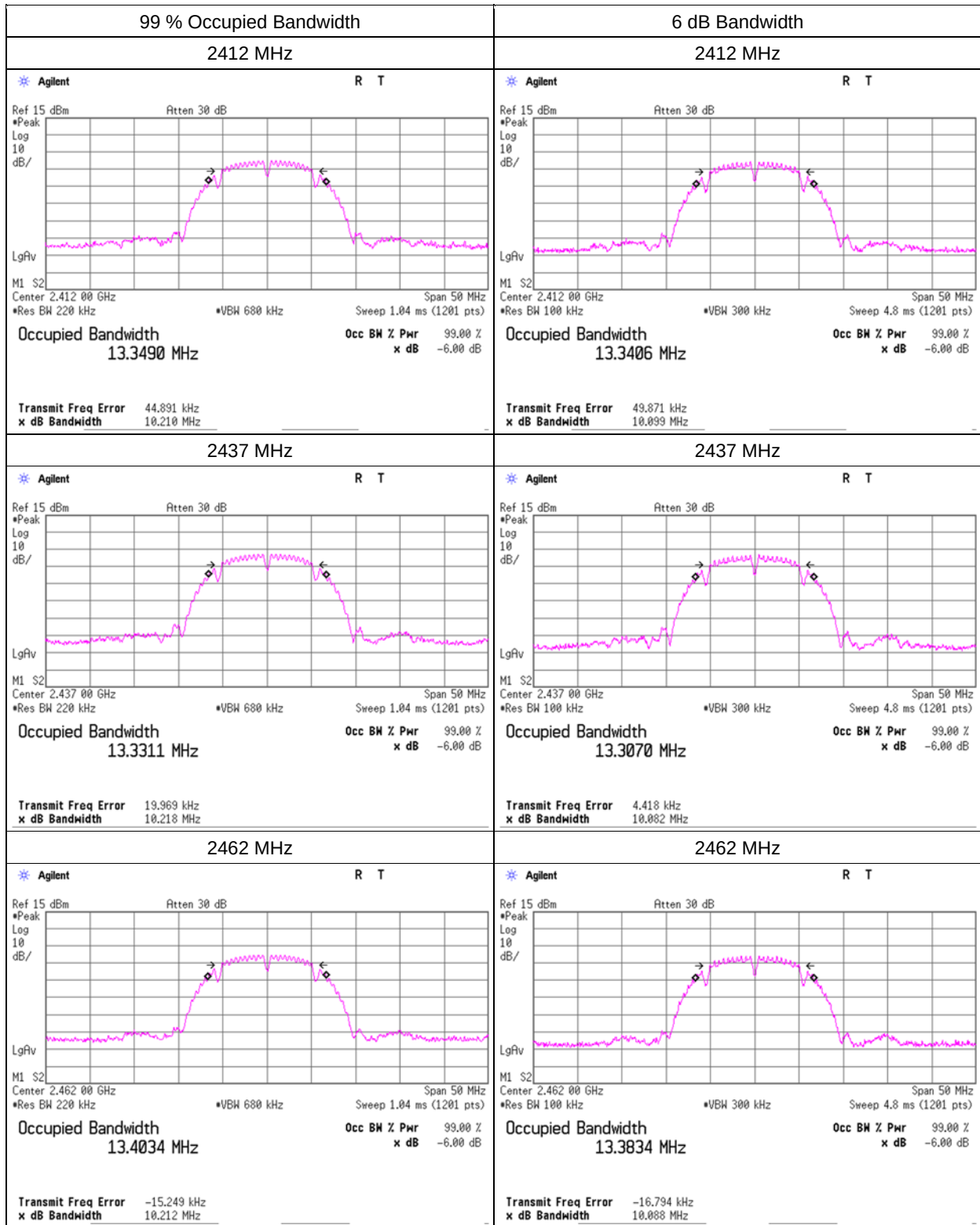
Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2402	1036.5	0.689	> 0.5000
2440	1037.4	0.697	> 0.5000
2480	1036.2	0.687	> 0.5000

BT LE 2M-PHY

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2402	2054.4	1.174	> 0.5000
2440	2056.8	1.172	> 0.5000
2480	2051.9	1.175	> 0.5000

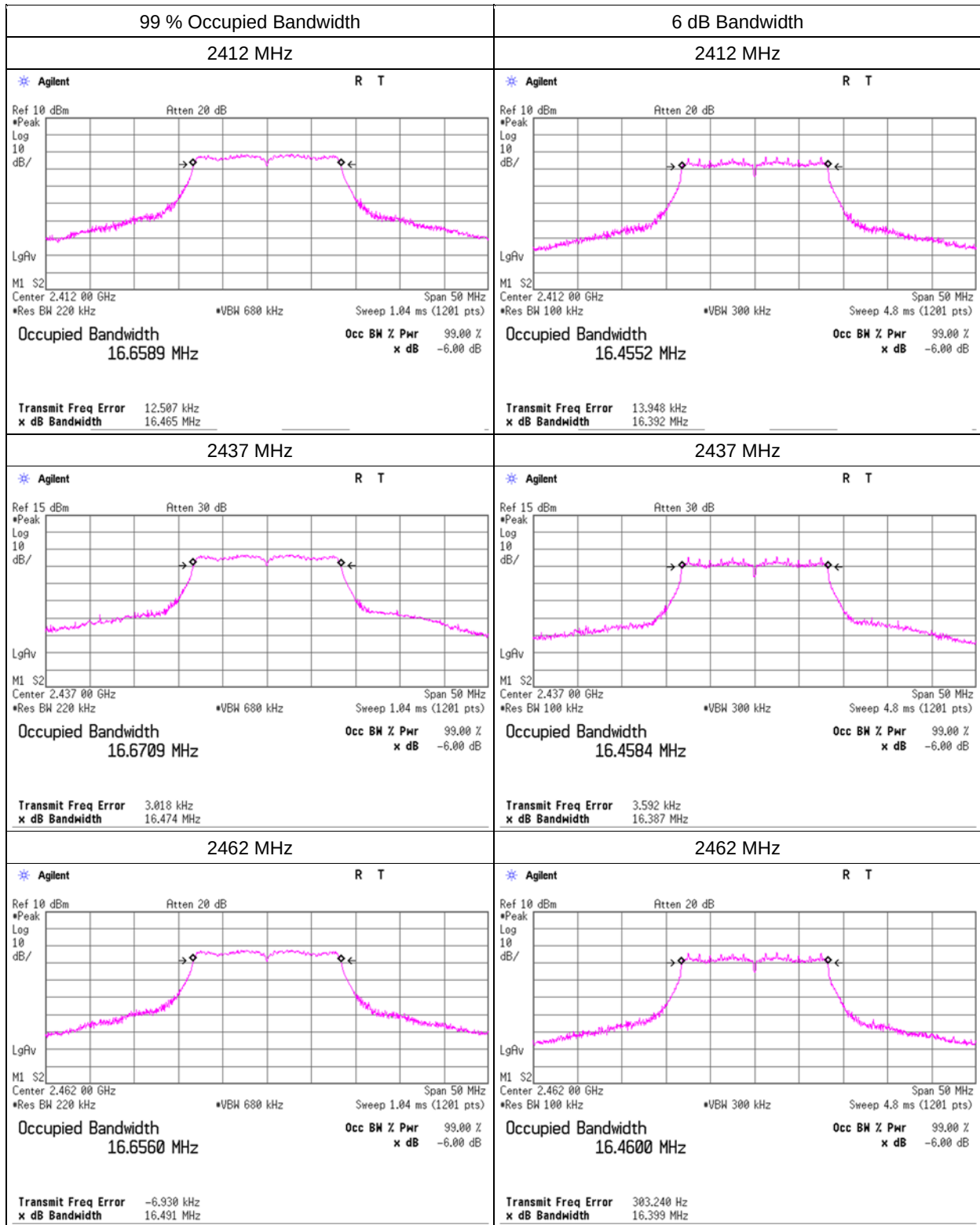
99 % Occupied Bandwidth and 6 dB Bandwidth

11b



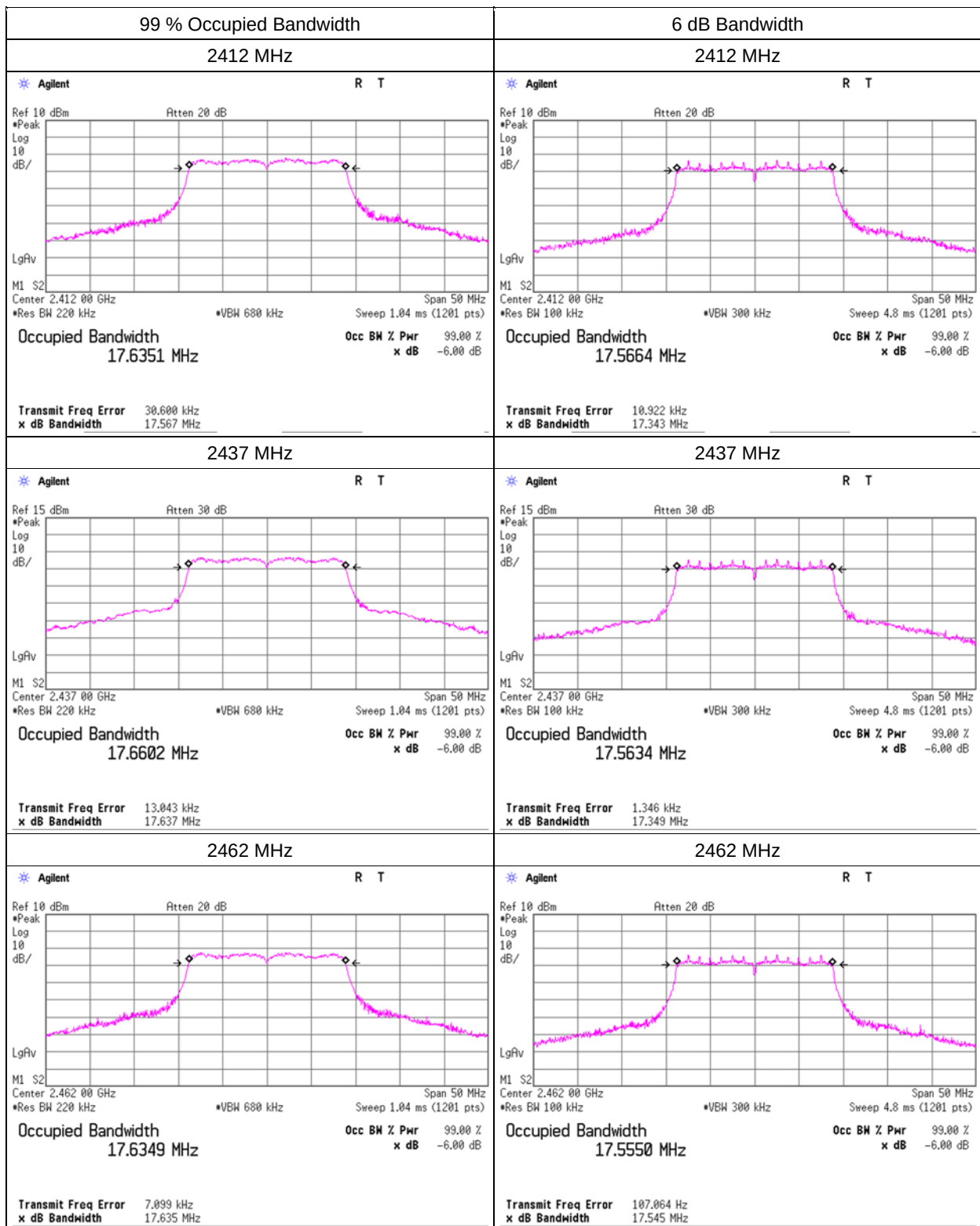
99 % Occupied Bandwidth and 6 dB Bandwidth

11g



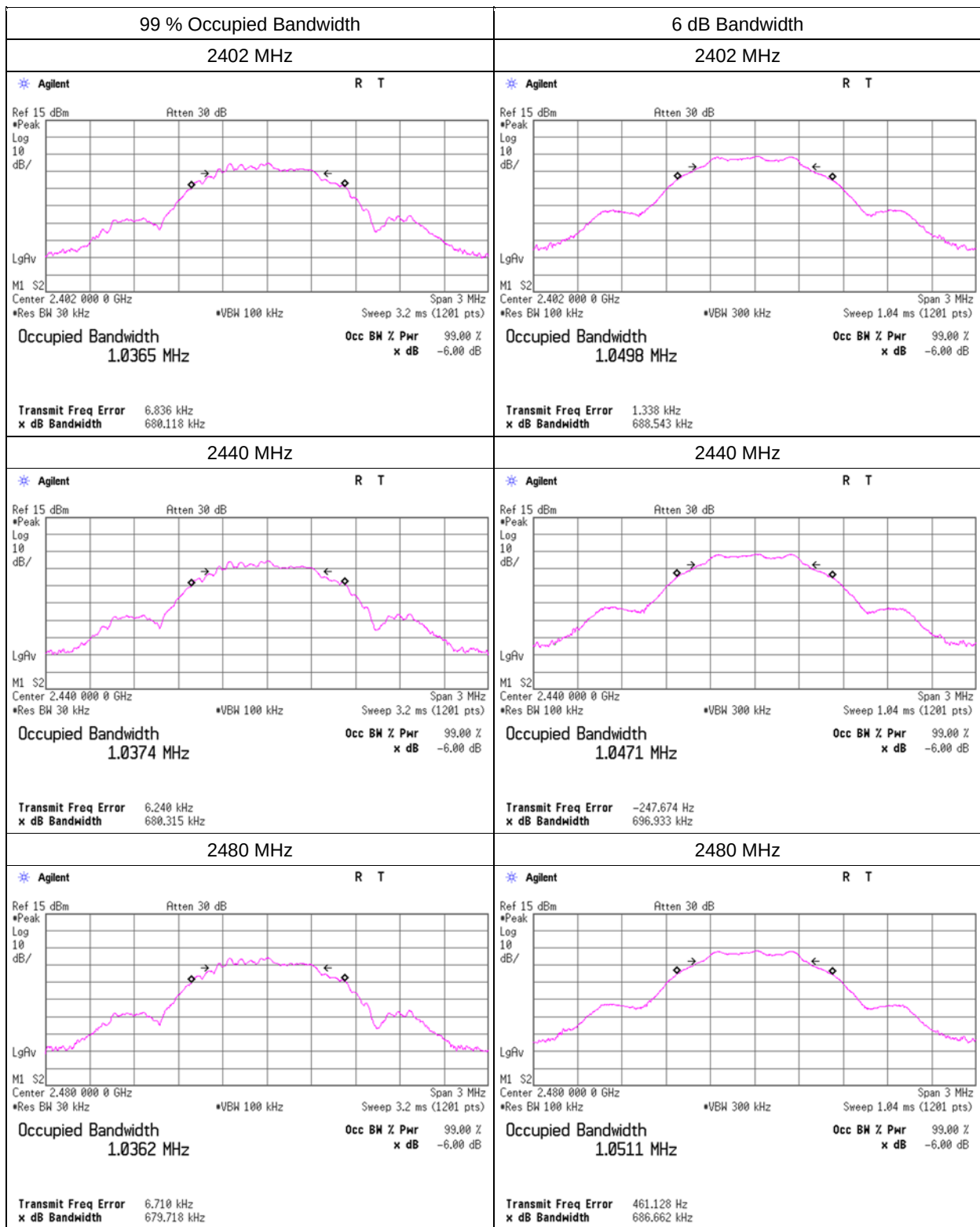
99 % Occupied Bandwidth and 6 dB Bandwidth

11n-20



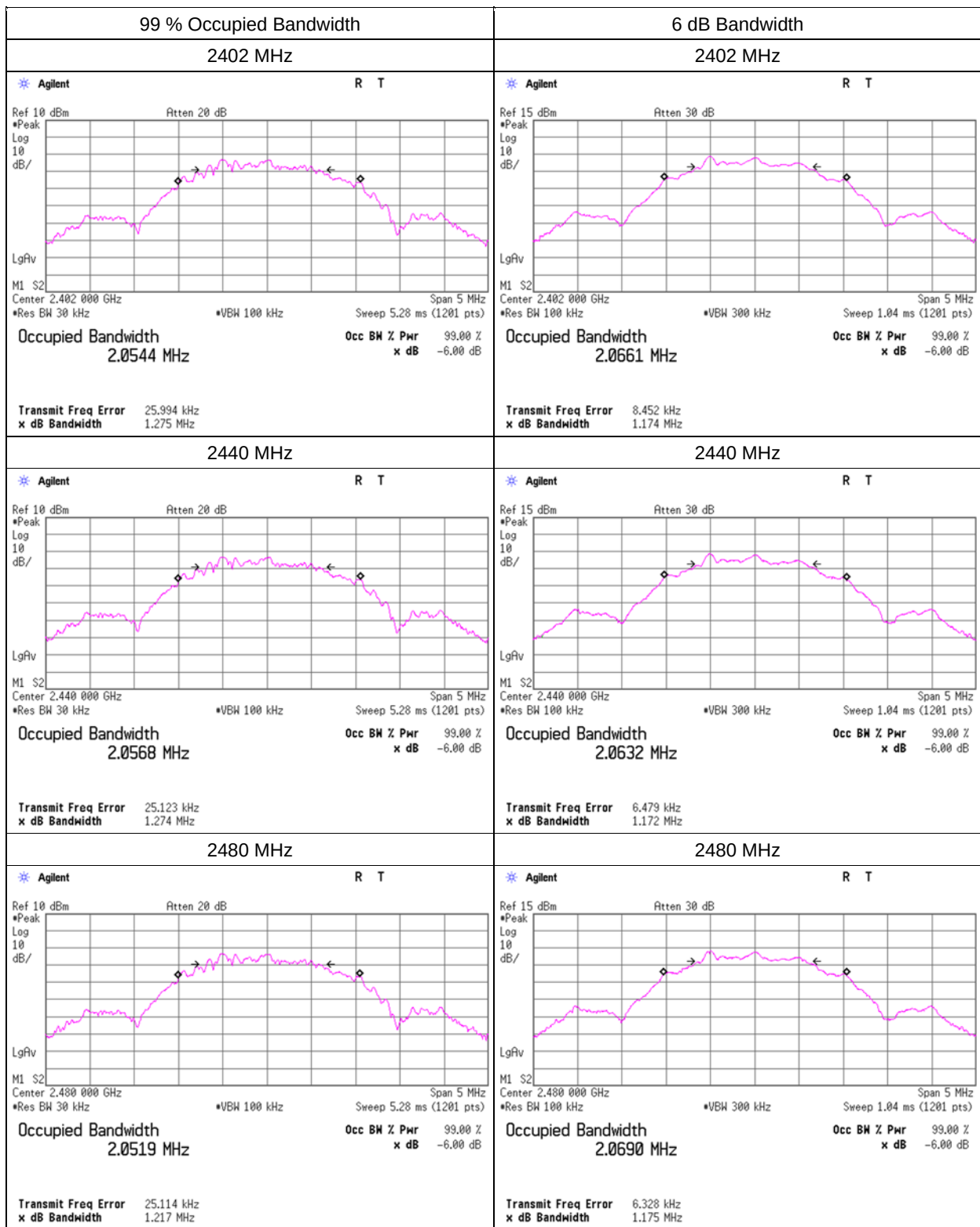
99 % Occupied Bandwidth and 6 dB Bandwidth

BT LE 1M-PHY



99 % Occupied Bandwidth and 6 dB Bandwidth

BT LE 2M-PHY



Maximum Peak Output Power

Mode	Tx 11b
------	--------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

11b

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Conducted Power					e.i.r.p. for RSS-247					
				Result		Limit		Margin	Antenna Gain [dBi]	Result		Limit		Margin
				[dBm]	[mW]	[dBm]	[mW]	[dB]		[dBm]	[mW]	[dBm]	[mW]	[dB]
2412	1.42	1.64	9.64	12.70	18.63	30.00	1000.00	17.30	2.34	15.04	31.92	36.02	4000.00	20.98
2437	3.76	1.65	9.64	15.05	31.99	30.00	1000.00	14.95	2.34	17.39	54.83	36.02	4000.00	18.63
2462	1.33	1.65	9.64	12.63	18.33	30.00	1000.00	17.37	2.34	14.97	31.41	36.02	4000.00	21.05

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Worst rate check (2412 MHz)

Antenna	Rate [Mbps]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Result [mW]	Remark
-	1	-	1.42	1.64	9.64	12.70	18.62	*
	2	-	1.37	1.64	9.64	12.65	18.41	-
	6	-	1.34	1.64	9.64	12.62	18.28	-
	11	-	1.39	1.64	9.64	12.67	18.49	-

*Worst Rate

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx 11g
------	--------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

11g

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Conducted Power					e.i.r.p. for RSS-247					
				Result		Limit		Margin	Antenna Gain [dBi]	Result		Limit		Margin
				[dBm]	[mW]	[dBm]	[mW]	[dB]		[dBm]	[mW]	[dBm]	[mW]	[dB]
2412	8.58	1.64	9.64	19.86	96.83	30.00	1000.00	10.14	2.34	22.20	165.96	36.02	4000.00	13.82
2437	10.14	1.65	9.64	21.43	139.00	30.00	1000.00	8.57	2.34	23.77	238.24	36.02	4000.00	12.25
2462	7.50	1.65	9.64	18.80	75.86	30.00	1000.00	11.20	2.34	21.14	130.02	36.02	4000.00	14.88

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Worst rate check (2412 MHz)

Antenna	Rate [Mbps]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]		Remark
-	6	-	8.58	1.64	9.64	19.86	96.83	*
	9	-	8.39	1.64	9.64	19.67	92.68	-
	12	-	8.11	1.64	9.64	19.39	86.90	-
	18	-	8.37	1.64	9.64	19.65	92.26	-
	24	-	8.41	1.64	9.64	19.69	93.11	-
	36	-	8.22	1.64	9.64	19.50	89.13	-
	48	-	8.46	1.64	9.64	19.74	94.19	-

*Worst Rate

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx 11n-20
------	-----------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

11n-20

				Conducted Power					e.i.r.p. for RSS-247					
Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin	Antenna Gain [dBi]	Result		Limit		Margin
				[dBm]	[mW]	[dBm]	[mW]	[dB]		[dBm]	[mW]	[dBm]	[mW]	[dB]
2412	7.86	1.64	9.64	19.14	82.04	30.00	1000.00	10.86	2.34	21.48	140.61	36.02	4000.00	14.54
2437	10.10	1.65	9.64	21.39	137.73	30.00	1000.00	8.61	2.34	23.73	236.05	36.02	4000.00	12.29
2462	6.57	1.65	9.64	17.87	61.24	30.00	1000.00	12.13	2.34	20.21	104.96	36.02	4000.00	15.81

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
e.i.r.p. Result = Conducted Power Result + Antenna Gain

Worst rate check (2412 MHz)

Antenna	MCS Index	Guard Interval	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
-	0	800 ns	7.86	1.64	9.64	19.14	82.04	*
	1	800 ns	7.83	1.64	9.64	19.11	81.47	-
	2	800 ns	7.35	1.64	9.64	18.63	72.95	-
	3	800 ns	7.78	1.64	9.64	19.06	80.54	-
	4	800 ns	7.04	1.64	9.64	18.32	67.92	-
	5	800 ns	7.27	1.64	9.64	18.55	71.61	-
	6	800 ns	7.34	1.64	9.64	18.62	72.78	-
	7	800 ns	7.36	1.64	9.64	18.64	73.11	-
	0	400 ns	7.48	1.64	9.64	18.76	75.16	-

*Worst MCS

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx BT LE 1M-PHY
------	-----------------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

BT LE 1M-PHY

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Conducted Power					Antenna Gain [dBi]	e.i.r.p. for RSS-247				
				Result		Limit		Margin		Result		Limit		Margin
				[dBm]	[mW]	[dBm]	[mW]	[dB]		[dBm]	[mW]	[dBm]	[mW]	[dB]
2402	-5.75	1.64	9.64	5.53	3.58	30.00	1000.00	24.47	0.90	6.43	4.40	36.02	4000.00	29.59
2440	-5.95	1.65	9.64	5.34	3.42	30.00	1000.00	24.66	0.90	6.24	4.21	36.02	4000.00	29.78
2480	-6.20	1.65	9.64	5.10	3.24	30.00	1000.00	24.90	0.90	6.00	3.99	36.02	4000.00	30.02

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Maximum Peak Output Power

Mode	Tx BT LE 2M-PHY
------	-----------------

Date	Test Place	Temperature	Humidity	Engineer
January 26, 2026	SR5	25 deg.C	29 %RH	Hiromasa Sato

BT LE 2M-PHY

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Conducted Power					Antenna Gain [dBi]	e.i.r.p. for RSS-247				
				Result		Limit		Margin		Result		Limit		Margin
				[dBm]	[mW]	[dBm]	[mW]	[dB]		[dBm]	[mW]	[dBm]	[mW]	[dB]
2402	-5.56	1.64	9.64	5.72	3.74	30.00	1000.00	24.28	0.90	6.62	4.60	36.02	4000.00	29.40
2440	-5.82	1.65	9.64	5.47	3.53	30.00	1000.00	24.53	0.90	6.37	4.34	36.02	4000.00	29.65
2480	-6.12	1.65	9.64	5.18	3.30	30.00	1000.00	24.82	0.90	6.08	4.06	36.02	4000.00	29.94

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Average Output Power

Mode	Tx 11b
------	--------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

11b

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2412	-0.59	1.64	9.64	10.69	11.73
2437	1.78	1.65	9.64	13.07	20.28
2462	-0.62	1.65	9.64	10.68	11.70

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst rate check (2412 MHz)

Antenna	Rate [Mbps]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
-	1	-	-0.59	1.64	9.64	10.69	11.73	*
	2	-	-1.06	1.64	9.64	10.22	10.52	-
	6	-	-1.60	1.64	9.64	9.68	9.29	-
	11	-	-1.54	1.64	9.64	9.74	9.42	-

*Worst Rate

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Average Output Power

Mode	Tx 11g
------	--------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

11g

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2412	-2.20	1.64	9.64	9.08	8.10
2437	1.10	1.65	9.64	12.39	17.34
2462	-3.31	1.65	9.64	7.99	6.30

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst rate check (2412 MHz)

Antenna	Rate [Mbps]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
-	6	-	-2.20	1.64	9.64	9.08	8.10	*
	9	-	-2.29	1.64	9.64	8.99	7.93	-
	12	-	-2.25	1.64	9.64	9.03	8.00	-
	18	-	-2.22	1.64	9.64	9.06	8.06	-
	24	-	-2.27	1.64	9.64	9.01	7.97	-
	36	-	-2.26	1.64	9.64	9.02	7.98	-
	48	-	-2.23	1.64	9.64	9.05	8.04	-
	54	-	-2.24	1.64	9.64	9.04	8.02	-

*Worst Rate

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Average Output Power

Mode	Tx 11n-20
------	-----------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

11n-20

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2412	-3.16	1.64	9.64	8.12	6.49
2437	1.28	1.65	9.64	12.57	18.08
2462	-3.33	1.65	9.64	7.97	6.27

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst rate check (2412 MHz)

Antenna	MCS Index	Guard Interval	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
-	0	800 ns	-3.16	1.64	9.64	8.12	6.49	*
	1	800 ns	-3.20	1.64	9.64	8.08	6.43	-
	2	800 ns	-3.21	1.64	9.64	8.07	6.42	-
	3	800 ns	-3.20	1.64	9.64	8.08	6.43	-
	4	800 ns	-3.21	1.64	9.64	8.07	6.42	-
	5	800 ns	-3.24	1.64	9.64	8.04	6.37	-
	6	800 ns	-3.19	1.64	9.64	8.09	6.45	-
	7	800 ns	-3.20	1.64	9.64	8.08	6.43	-
	0	400 ns	-3.18	1.64	9.64	8.10	6.46	-

*Worst MCS

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Average Output Power

Mode	Tx BT LE 1M-PHY			
------	-----------------	--	--	--

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato

BT LE 1M-PHY

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2402	-5.90	1.64	9.64	5.38	3.46
2440	-6.12	1.65	9.64	5.17	3.29
2480	-6.37	1.65	9.64	4.93	3.12

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Average Output Power

Mode	Tx BT LE 2M-PHY			
------	-----------------	--	--	--

Date	Test Place	Temperature	Humidity	Engineer
January 26, 2026	SR5	25 deg.C	29 %RH	Hiomasa Sato

BT LE 2M-PHY

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2402	-5.77	1.64	9.64	5.51	3.56
2440	-6.01	1.65	9.64	5.28	3.38
2480	-6.30	1.65	9.64	5.00	3.17

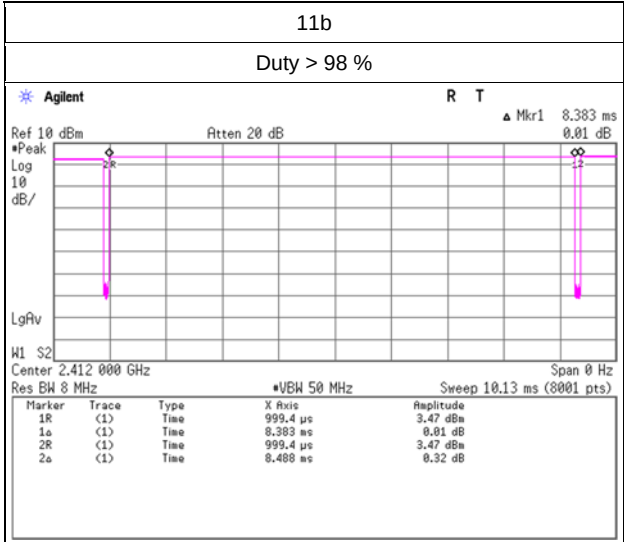
Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Burst rate confirmation

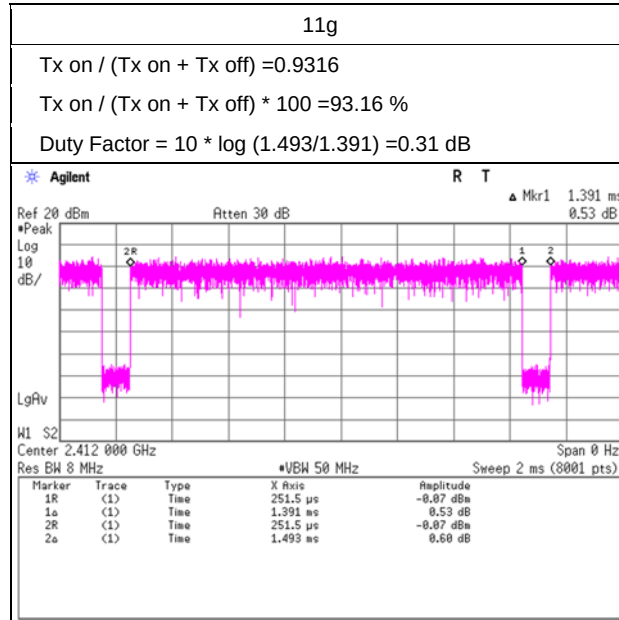
Mode	Tx 11b			
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx 11g			
------	--------	--	--	--

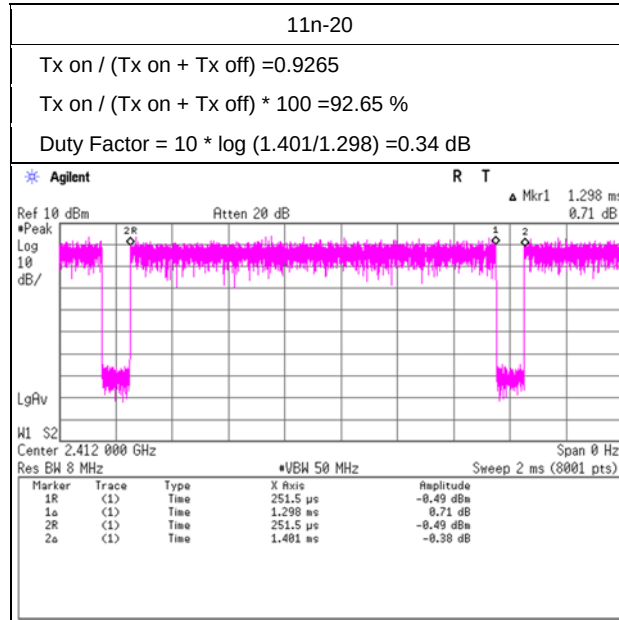
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx 11n-20			
------	-----------	--	--	--

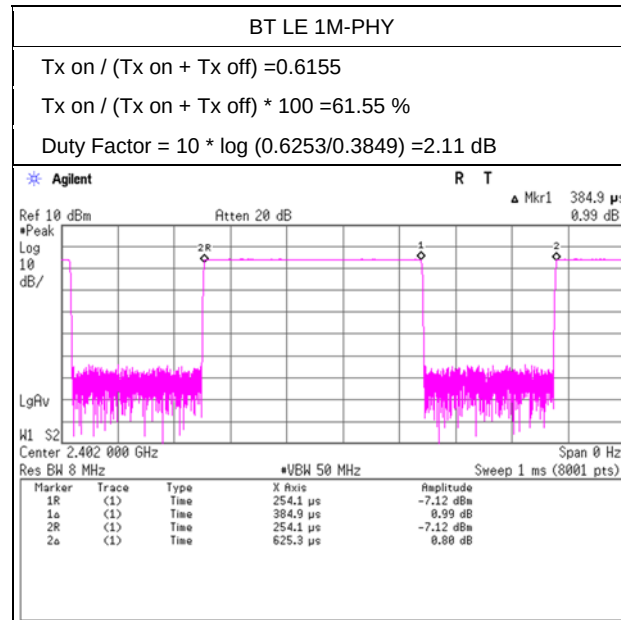
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx BT LE 1M-PHY			
------	-----------------	--	--	--

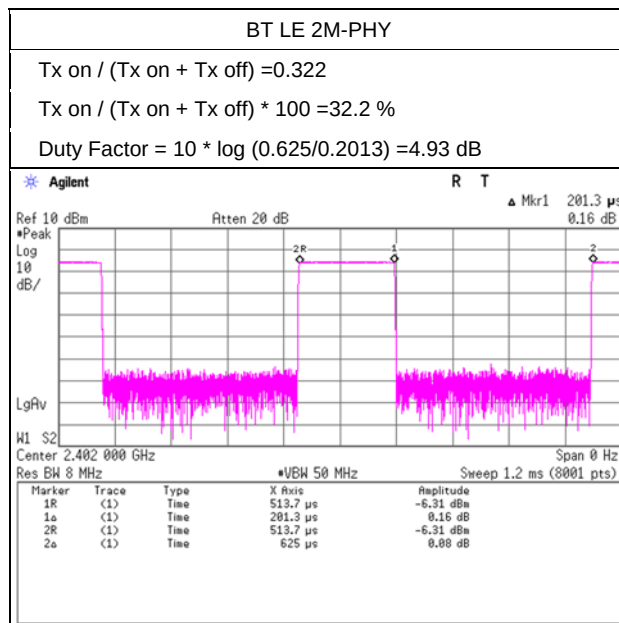
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx BT LE 2M-PHY			
------	-----------------	--	--	--

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hiromasa Sato



Radiated Spurious Emission

Mode	Tx 11b 2412 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2385.488	PK	50.45	27.55	-27.89	-	2.35	52.46	73.9	21.4	140	13	-
Hori.	2390.000	PK	48.20	27.56	-27.89	-	2.35	50.22	73.9	23.6	140	13	-
Hori.	4824.000	PK	47.89	31.62	-35.32	-	2.35	46.54	73.9	27.3	150	0	Floor Noise
Hori.	5111.800	PK	53.21	32.10	-35.31	-	2.35	52.35	73.9	21.5	125	164	-
Hori.	7236.000	PK	48.32	35.98	-33.78	-	2.35	52.87	73.9	21.0	150	0	Floor Noise
Hori.	9648.000	PK	46.90	37.55	-31.19	-	2.35	55.61	73.9	18.2	150	0	Floor Noise
Hori.	2385.488	AV	38.60	27.55	-27.89	-	2.35	40.61	53.9	13.2	140	13	-
Hori.	2390.000	AV	37.63	27.56	-27.89	-	2.35	39.65	53.9	14.2	140	13	-
Hori.	4824.000	AV	35.62	31.62	-35.32	-	2.35	34.27	53.9	19.6	150	0	Floor Noise
Hori.	5111.800	AV	48.27	32.10	-35.31	-	2.35	47.41	53.9	6.4	125	164	-
Hori.	7236.000	AV	35.57	35.98	-33.78	-	2.35	40.12	53.9	13.7	150	0	Floor Noise
Hori.	9648.000	AV	34.85	37.55	-31.19	-	2.35	43.56	53.9	10.3	150	0	Floor Noise
Vert.	2386.633	PK	49.05	27.55	-27.89	-	2.35	51.06	73.9	22.8	111	95	-
Vert.	2390.000	PK	48.13	27.56	-27.89	-	2.35	50.15	73.9	23.7	111	95	-
Vert.	3199.985	PK	58.36	28.23	-35.91	-	2.35	53.03	73.9	20.8	118	123	-
Vert.	4824.000	PK	47.92	31.62	-35.32	-	2.35	46.57	73.9	27.3	150	0	Floor Noise
Vert.	4999.981	PK	52.98	32.19	-35.40	-	2.35	52.12	73.9	21.7	124	168	-
Vert.	7236.000	PK	47.82	35.98	-33.78	-	2.35	52.37	73.9	21.5	150	0	Floor Noise
Vert.	9648.000	PK	46.77	37.55	-31.19	-	2.35	55.48	73.9	18.4	150	0	Floor Noise
Vert.	2386.633	AV	38.06	27.55	-27.89	-	2.35	40.07	53.9	13.8	111	95	-
Vert.	2390.000	AV	37.38	27.56	-27.89	-	2.35	39.40	53.9	14.5	111	95	-
Vert.	3199.985	AV	50.46	28.23	-35.91	-	2.35	45.13	53.9	8.7	118	123	-
Vert.	4824.000	AV	35.52	31.62	-35.32	-	2.35	34.17	53.9	19.7	150	0	Floor Noise
Vert.	4999.981	AV	47.82	32.19	-35.40	-	2.35	46.96	53.9	6.9	124	168	-
Vert.	7236.000	AV	35.56	35.98	-33.78	-	2.35	40.11	53.9	13.7	150	0	Floor Noise
Vert.	9648.000	AV	34.82	37.55	-31.19	-	2.35	43.53	53.9	10.3	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2412.000	PK	95.84	27.59	-27.87	-	2.35	97.91	-	-	Carrier
Hori.	2400.000	PK	42.12	27.57	-27.88	-	2.35	44.16	77.9	33.7	-
Vert.	2412.000	PK	94.68	27.59	-27.87	-	2.35	96.75	-	-	Carrier
Vert.	2400.000	PK	41.93	27.57	-27.88	-	2.35	43.97	76.7	32.7	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

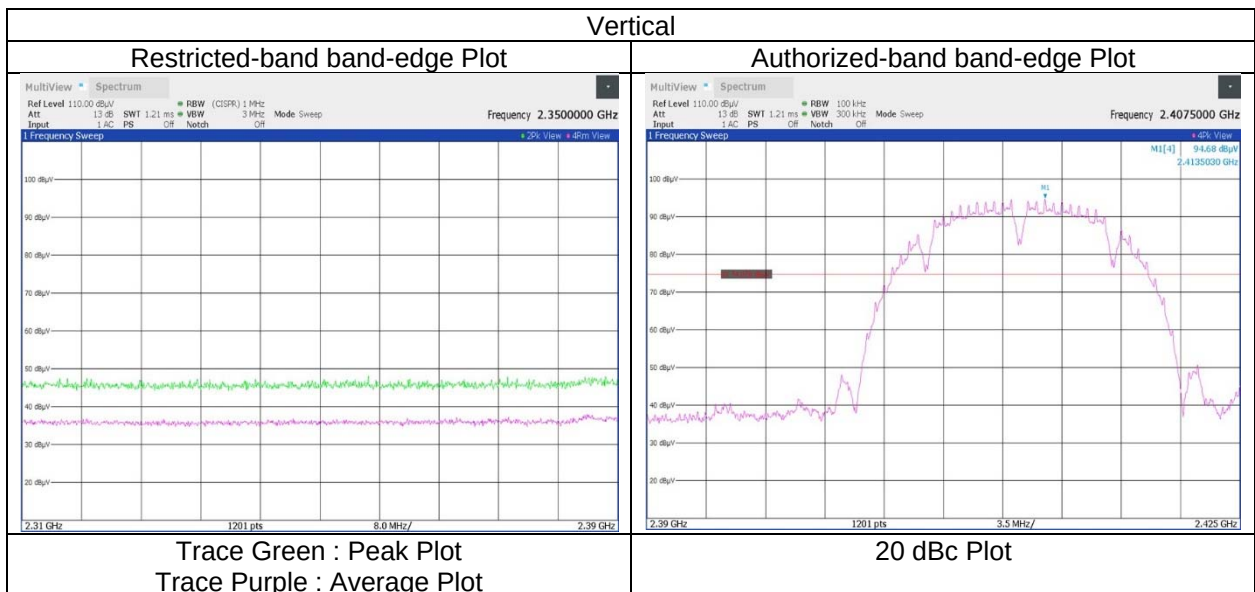
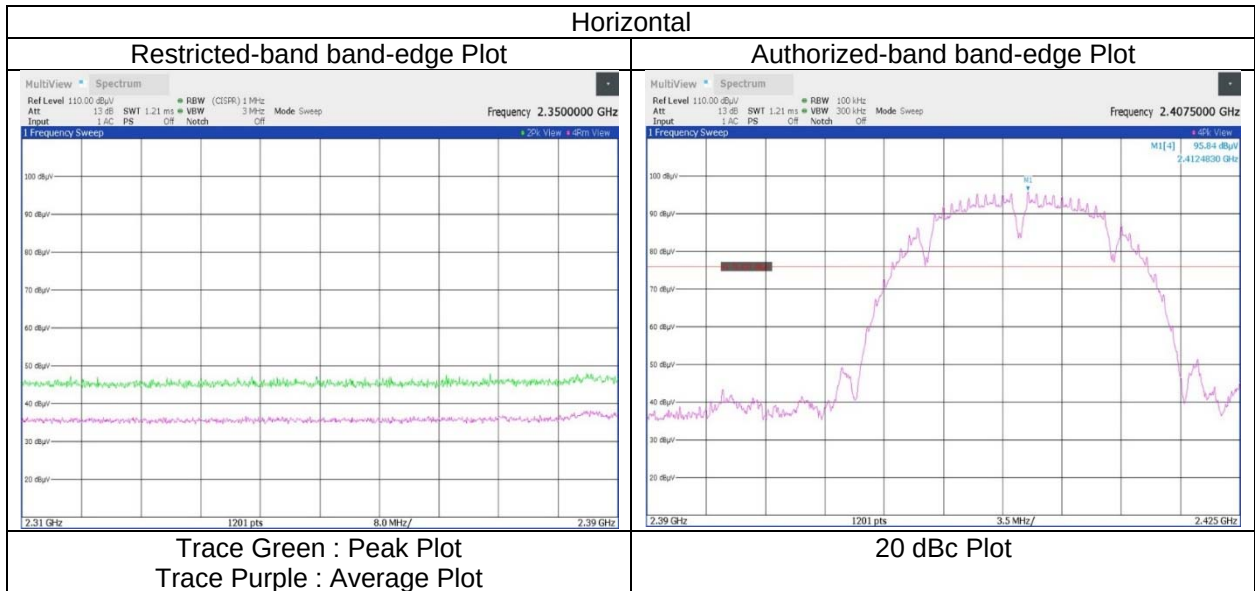
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11b 2412 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11b 2422 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2390.000	PK	48.26	27.56	-27.89	-	2.35	50.28	73.9	23.6	140	13	-
Hori.	2390.000	AV	37.26	27.56	-27.89	-	2.35	39.28	53.9	14.6	140	13	-
Vert.	2385.579	PK	49.32	27.55	-27.89	-	2.35	51.33	73.9	22.5	111	95	-
Vert.	2390.000	PK	48.19	27.56	-27.89	-	2.35	50.21	73.9	23.6	111	95	-
Vert.	2385.579	AV	38.89	27.55	-27.89	-	2.35	40.90	53.9	13.0	111	95	-
Vert.	2390.000	AV	37.64	27.56	-27.89	-	2.35	39.66	53.9	14.2	111	95	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2422.000	PK	97.80	27.61	-27.86	-	2.35	99.90	-	-	Carrier
Hori.	2400.000	PK	39.14	27.57	-27.88	-	2.35	41.18	79.9	38.7	-
Vert.	2422.000	PK	97.15	27.61	-27.86	-	2.35	99.25	-	-	Carrier
Vert.	2400.000	PK	40.05	27.57	-27.88	-	2.35	42.09	79.2	37.1	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

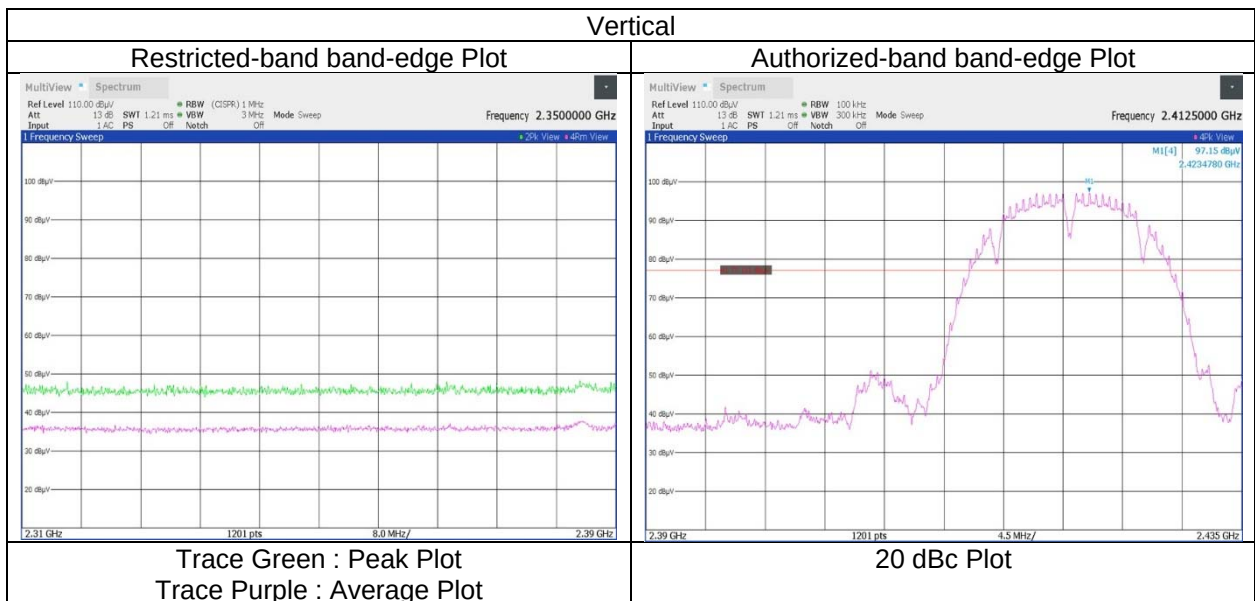
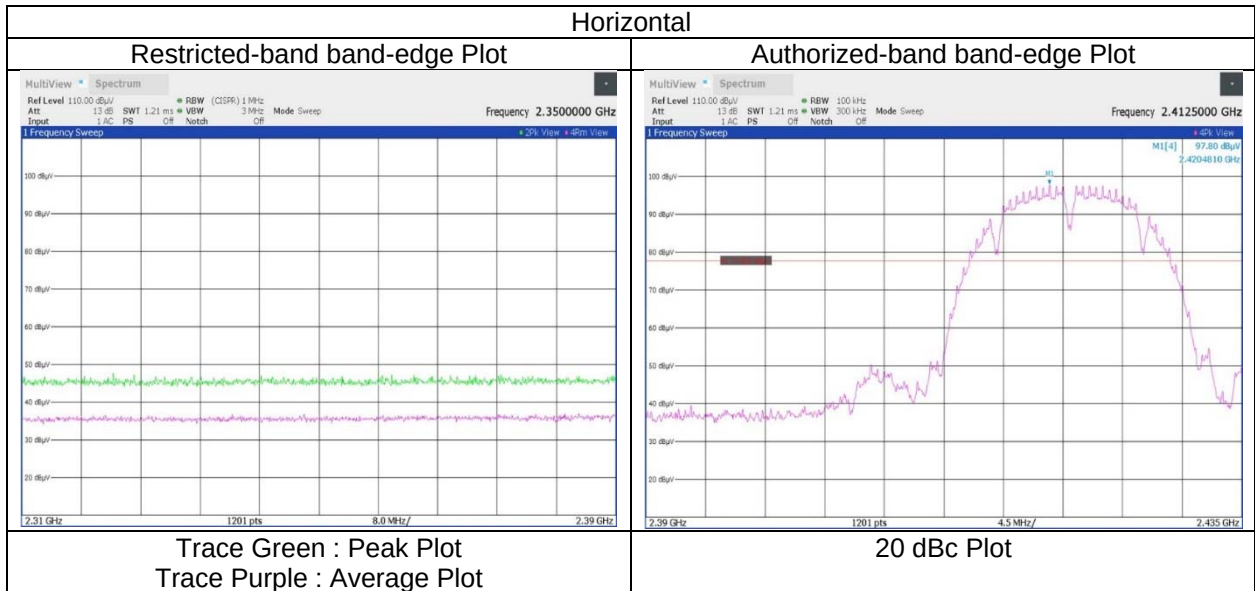
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11b 2422 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11b 2437 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	4874.000	PK	47.30	31.88	-35.34	-	2.35	46.19	73.9	27.7	150	0	Floor Noise
Hori.	5111.800	PK	53.22	32.10	-35.31	-	2.35	52.36	73.9	21.5	127	160	-
Hori.	7311.000	PK	48.04	36.22	-33.64	-	2.35	52.97	73.9	20.9	150	0	Floor Noise
Hori.	9748.000	PK	46.23	37.53	-31.11	-	2.35	55.00	73.9	18.9	150	0	Floor Noise
Hori.	4874.000	AV	35.78	31.88	-35.34	-	2.35	34.67	53.9	19.2	150	0	Floor Noise
Hori.	5111.800	AV	48.70	32.10	-35.31	-	2.35	47.84	53.9	6.0	127	160	-
Hori.	7311.000	AV	36.18	36.22	-33.64	-	2.35	41.11	53.9	12.7	150	0	Floor Noise
Hori.	9748.000	AV	34.42	37.53	-31.11	-	2.35	43.19	53.9	10.7	150	0	Floor Noise
Vert.	3199.985	PK	58.30	28.23	-35.91	-	2.35	52.97	73.9	20.9	115	124	-
Vert.	4874.000	PK	47.19	31.88	-35.34	-	2.35	46.08	73.9	27.8	150	0	Floor Noise
Vert.	4999.981	PK	52.85	32.19	-35.40	-	2.35	51.99	73.9	21.9	123	168	-
Vert.	7311.000	PK	48.38	36.22	-33.64	-	2.35	53.31	73.9	20.5	150	0	Floor Noise
Vert.	9748.000	PK	46.25	37.53	-31.11	-	2.35	55.02	73.9	18.8	150	0	Floor Noise
Vert.	3199.985	AV	50.45	28.23	-35.91	-	2.35	45.12	53.9	8.7	115	124	-
Vert.	4874.000	AV	35.75	31.88	-35.34	-	2.35	34.64	53.9	19.2	150	0	Floor Noise
Vert.	4999.981	AV	47.80	32.19	-35.40	-	2.35	46.94	53.9	6.9	123	168	-
Vert.	7311.000	AV	35.97	36.22	-33.64	-	2.35	40.90	53.9	13.0	150	0	Floor Noise
Vert.	9748.000	AV	34.44	37.53	-31.11	-	2.35	43.21	53.9	10.6	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac.: 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11b 2452 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	47.81	27.65	-27.80	-	2.35	50.01	73.9	23.8	136	11	-
Hori.	2488.941	PK	48.54	27.64	-27.80	-	2.35	50.73	73.9	23.1	136	11	-
Hori.	2495.485	PK	48.39	27.63	-27.79	-	2.35	50.58	73.9	23.3	136	11	-
Hori.	2483.500	AV	37.00	27.65	-27.80	-	2.35	39.20	53.9	14.7	136	11	-
Hori.	2488.941	AV	38.24	27.64	-27.80	-	2.35	40.43	53.9	13.4	136	11	-
Hori.	2495.485	AV	37.80	27.63	-27.79	-	2.35	39.99	53.9	13.9	136	11	-
Vert.	2483.500	PK	48.07	27.65	-27.80	-	2.35	50.27	73.9	23.6	107	86	-
Vert.	2488.679	PK	49.50	27.64	-27.80	-	2.35	51.69	73.9	22.2	107	86	-
Vert.	2483.500	AV	37.23	27.65	-27.80	-	2.35	39.43	53.9	14.4	107	86	-
Vert.	2488.679	AV	38.00	27.64	-27.80	-	2.35	40.19	53.9	13.7	107	86	-

Result = Reading + Ant.Fac. + Loss (Cable + (Attenu or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

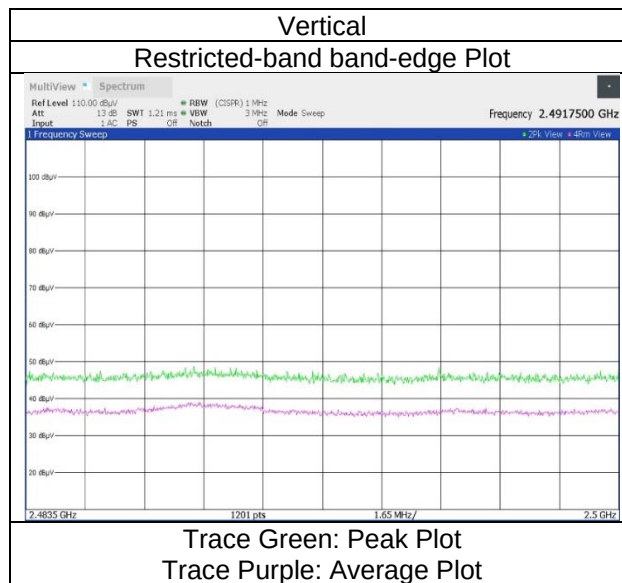
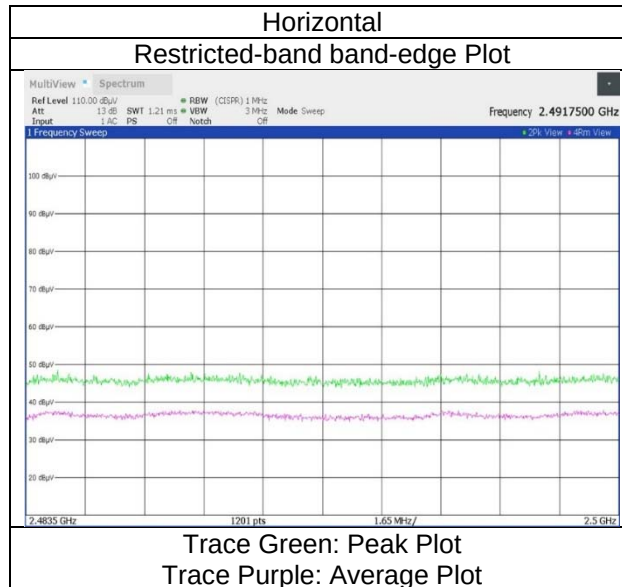
Distance Fac.: 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11b 2452 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11b 2462 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	49.02	27.65	-27.80	-	2.35	51.22	73.9	22.6	138	9	-
Hori.	2486.184	PK	50.29	27.64	-27.80	-	2.35	52.48	73.9	21.4	138	9	-
Hori.	2494.344	PK	50.25	27.64	-27.79	-	2.35	52.45	73.9	21.4	138	9	-
Hori.	4924.000	PK	47.99	32.08	-35.37	-	2.35	47.05	73.9	26.8	150	0	Floor Noise
Hori.	5111.800	PK	53.49	32.10	-35.31	-	2.35	52.63	73.9	21.2	127	161	-
Hori.	7386.000	PK	47.73	36.32	-33.51	-	2.35	52.89	73.9	21.0	150	0	Floor Noise
Hori.	9848.000	PK	46.64	37.54	-31.01	-	2.35	55.52	73.9	18.3	150	0	Floor Noise
Hori.	2483.500	AV	37.74	27.65	-27.80	-	2.35	39.94	53.9	13.9	138	9	-
Hori.	2486.184	AV	37.90	27.64	-27.80	-	2.35	40.09	53.9	13.8	138	9	-
Hori.	2494.344	AV	37.81	27.64	-27.79	-	2.35	40.01	53.9	13.8	138	9	-
Hori.	4924.000	AV	35.63	32.08	-35.37	-	2.35	34.69	53.9	19.2	150	0	Floor Noise
Hori.	5111.800	AV	48.55	32.10	-35.31	-	2.35	47.69	53.9	6.2	127	161	-
Hori.	7386.000	AV	35.63	36.32	-33.51	-	2.35	40.79	53.9	13.1	150	0	Floor Noise
Hori.	9848.000	AV	34.82	37.54	-31.01	-	2.35	43.70	53.9	10.2	150	0	Floor Noise
Vert.	2483.500	PK	49.19	27.65	-27.80	-	2.35	51.39	73.9	22.5	105	97	-
Vert.	2487.862	PK	49.33	27.64	-27.80	-	2.35	51.52	73.9	22.3	105	97	-
Vert.	3199.985	PK	58.28	28.23	-35.91	-	2.35	52.95	73.9	20.9	115	124	-
Vert.	4924.000	PK	47.54	32.08	-35.37	-	2.35	46.60	73.9	27.3	150	0	Floor Noise
Vert.	4999.981	PK	53.44	32.19	-35.40	-	2.35	52.58	73.9	21.3	123	166	-
Vert.	7386.000	PK	47.32	36.32	-33.51	-	2.35	52.48	73.9	21.4	150	0	Floor Noise
Vert.	9848.000	PK	46.19	37.54	-31.01	-	2.35	55.07	73.9	18.8	150	0	Floor Noise
Vert.	2483.500	AV	38.13	27.65	-27.80	-	2.35	40.33	53.9	13.5	105	97	-
Vert.	2487.862	AV	38.16	27.64	-27.80	-	2.35	40.35	53.9	13.5	105	97	-
Vert.	3199.985	AV	50.55	28.23	-35.91	-	2.35	45.22	53.9	8.6	115	124	-
Vert.	4924.000	AV	35.65	32.08	-35.37	-	2.35	34.71	53.9	19.1	150	0	Floor Noise
Vert.	4999.981	AV	47.71	32.19	-35.40	-	2.35	46.85	53.9	7.0	123	166	-
Vert.	7386.000	AV	35.67	36.32	-33.51	-	2.35	40.83	53.9	13.0	150	0	Floor Noise
Vert.	9848.000	AV	34.00	37.54	-31.01	-	2.35	42.88	53.9	11.0	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

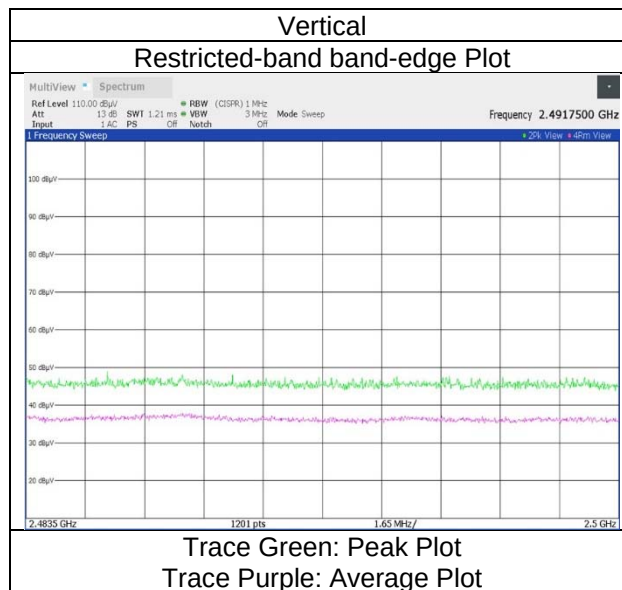
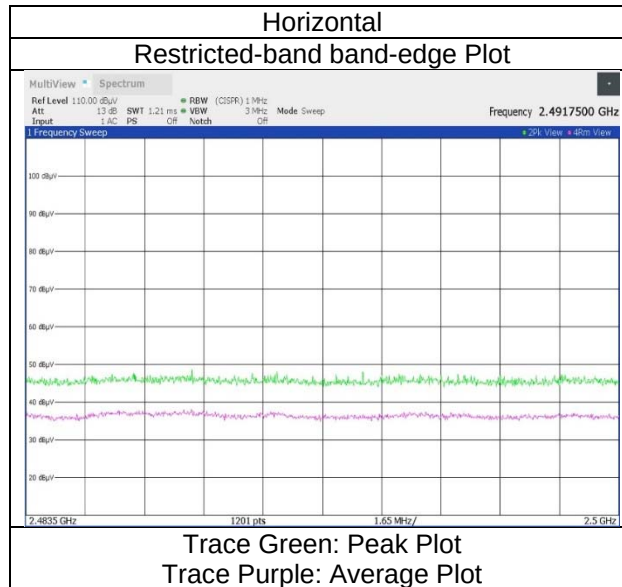
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11b 2462 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11g 2412 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2390.000	PK	59.58	27.56	-27.89	-	2.35	61.60	73.9	12.3	139	13	-
Hori.	4824.000	PK	47.27	31.62	-35.32	-	2.35	45.92	73.9	27.9	150	0	Floor Noise
Hori.	5111.800	PK	53.61	32.10	-35.31	-	2.35	52.75	73.9	21.1	127	164	-
Hori.	7236.000	PK	47.53	35.98	-33.78	-	2.35	52.08	73.9	21.8	150	0	Floor Noise
Hori.	9648.000	PK	47.04	37.55	-31.19	-	2.35	55.75	73.9	18.1	150	0	Floor Noise
Hori.	4824.000	AV	35.58	31.62	-35.32	-	2.35	34.23	53.9	19.6	150	0	Floor Noise
Hori.	5111.800	AV	48.57	32.10	-35.31	-	2.35	47.71	53.9	6.1	127	164	-
Hori.	7236.000	AV	35.60	35.98	-33.78	-	2.35	40.15	53.9	13.7	150	0	Floor Noise
Hori.	9648.000	AV	34.77	37.55	-31.19	-	2.35	43.48	53.9	10.4	150	0	Floor Noise
Vert.	2390.000	PK	58.45	27.56	-27.89	-	2.35	60.47	73.9	13.4	109	95	-
Vert.	3199.985	PK	58.16	28.23	-35.91	-	2.35	52.83	73.9	21.0	115	124	-
Vert.	4824.000	PK	48.01	31.62	-35.32	-	2.35	46.66	73.9	27.2	150	0	Floor Noise
Vert.	4999.981	PK	53.09	32.19	-35.40	-	2.35	52.23	73.9	21.6	123	167	-
Vert.	7236.000	PK	47.74	35.98	-33.78	-	2.35	52.29	73.9	21.6	150	0	Floor Noise
Vert.	9648.000	PK	46.71	37.55	-31.19	-	2.35	55.42	73.9	18.4	150	0	Floor Noise
Vert.	3199.985	AV	50.50	28.23	-35.91	-	2.35	45.17	53.9	8.7	115	124	-
Vert.	4824.000	AV	35.53	31.62	-35.32	-	2.35	34.18	53.9	19.7	150	0	Floor Noise
Vert.	4999.981	AV	47.88	32.19	-35.40	-	2.35	47.02	53.9	6.8	123	167	-
Vert.	7236.000	AV	35.55	35.98	-33.78	-	2.35	40.10	53.9	13.8	150	0	Floor Noise
Vert.	9648.000	AV	34.80	37.55	-31.19	-	2.35	43.51	53.9	10.3	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2390.000	AV	40.23	27.56	-27.89	-	0.31	2.35	42.56	53.9	11.3	*1)
Vert.	2390.000	AV	40.33	27.56	-27.89	-	0.31	2.35	42.66	53.9	11.2	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2412.000	PK	93.53	27.59	-27.87	-	2.35	95.60	-	-	Carrier
Hori.	2400.000	PK	53.82	27.57	-27.88	-	2.35	55.86	75.6	19.7	-
Vert.	2412.000	PK	93.16	27.59	-27.87	-	2.35	95.23	-	-	Carrier
Vert.	2400.000	PK	54.13	27.57	-27.88	-	2.35	56.17	75.2	19.0	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

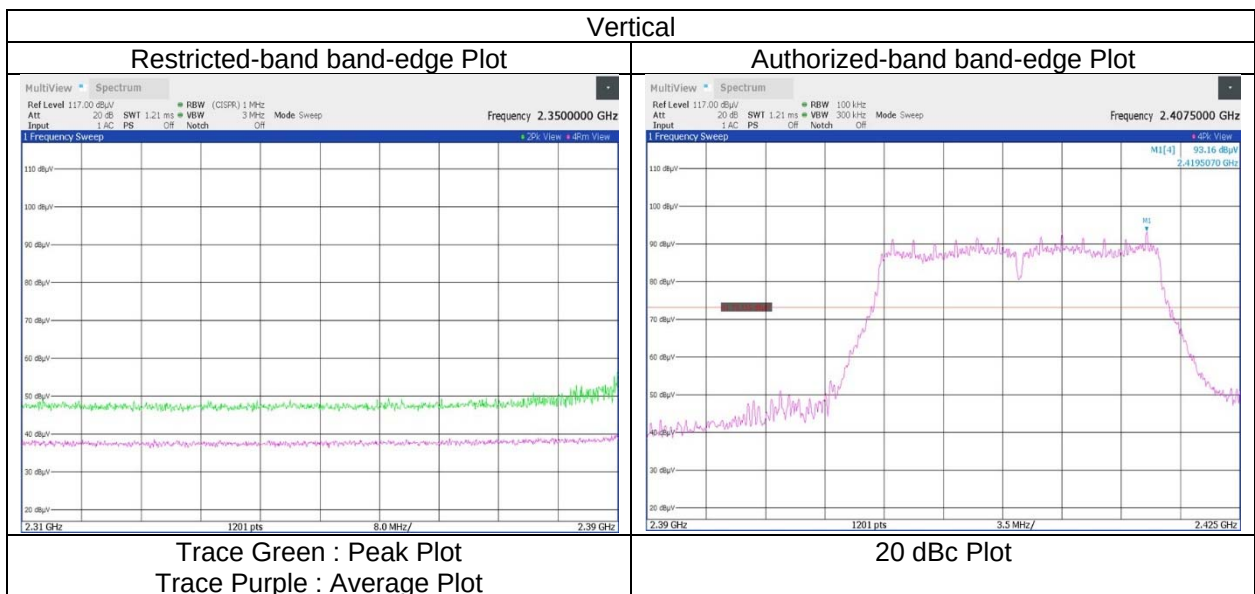
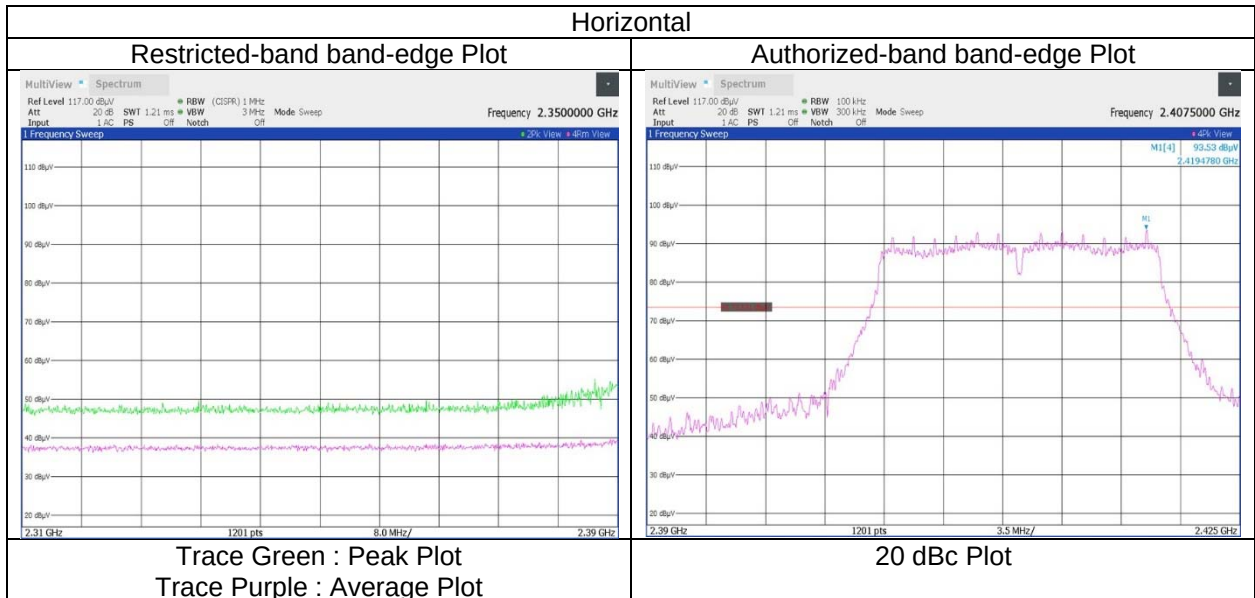
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11g 2412 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11g 2417 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2390.000	PK	54.48	27.56	-27.89	-	2.35	56.50	73.9	17.4	141	13	-
Vert.	2390.000	PK	55.17	27.56	-27.89	-	2.35	57.19	73.9	16.7	113	95	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2390.000	AV	39.02	27.56	-27.89	-	0.31	2.35	41.35	53.9	12.5	*1)
Vert.	2390.000	AV	39.28	27.56	-27.89	-	0.31	2.35	41.61	53.9	12.2	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2417.000	PK	94.66	27.60	-27.86	-	2.35	96.75	-	-	Carrier
Hori.	2400.000	PK	49.09	27.57	-27.88	-	2.35	51.13	76.7	25.5	-
Vert.	2417.000	PK	94.58	27.60	-27.86	-	2.35	96.67	-	-	Carrier
Vert.	2400.000	PK	49.18	27.57	-27.88	-	2.35	51.22	76.6	25.3	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

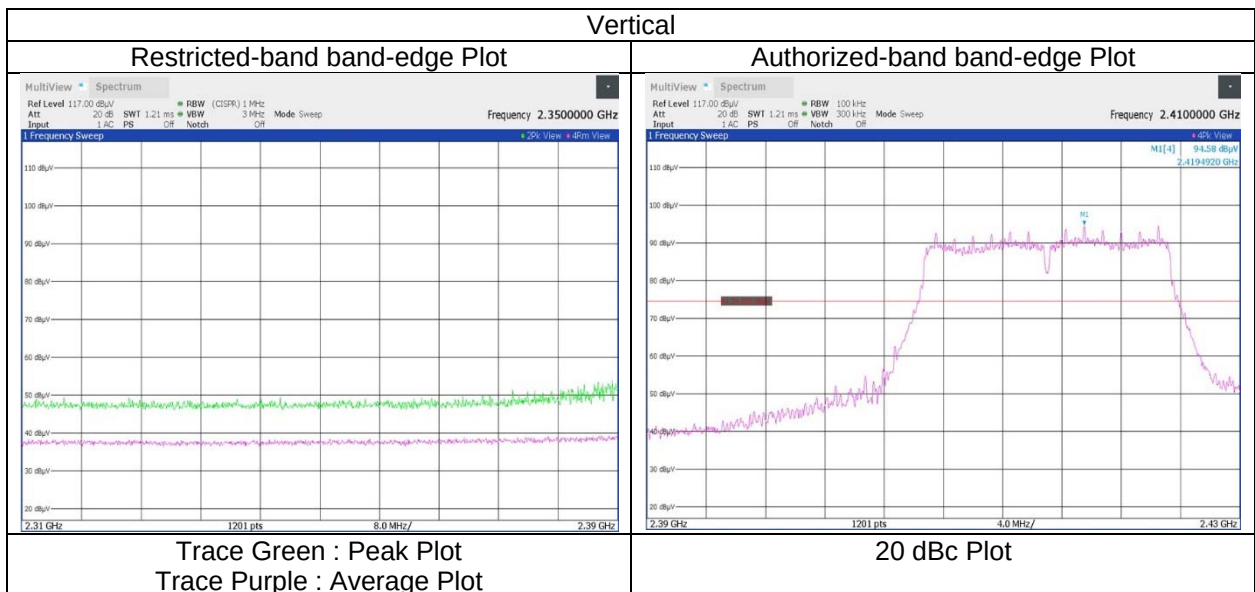
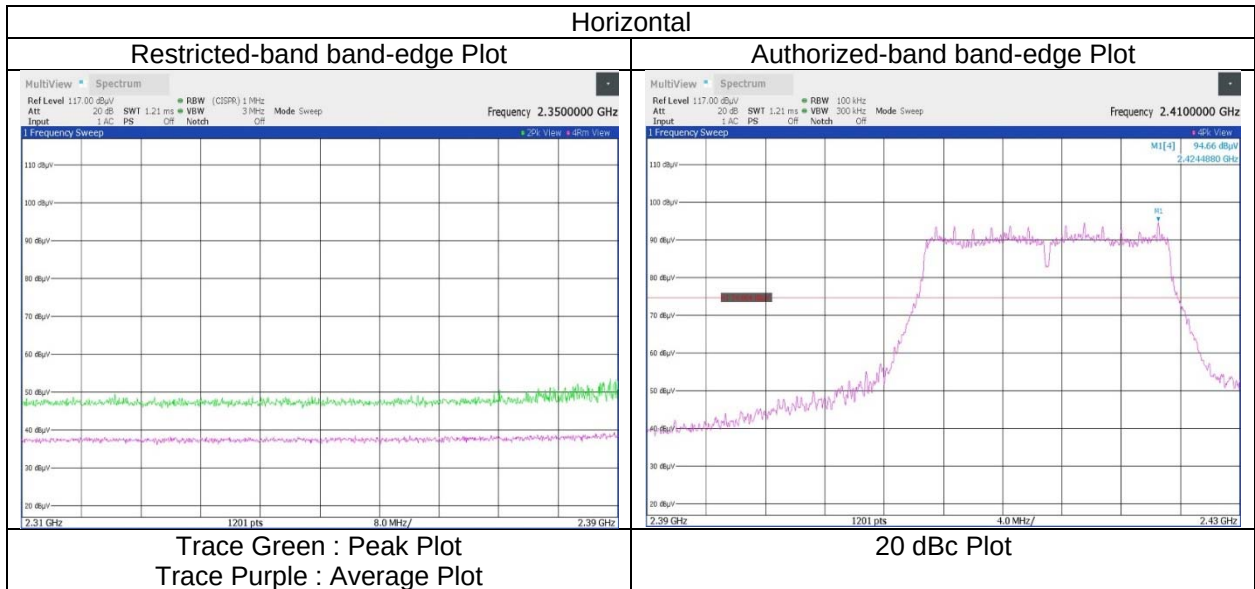
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11g 2417 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11g 2422 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2390.000	PK	54.67	27.56	-27.89	-	2.35	56.69	73.9	17.2	139	13	-
Vert.	2390.000	PK	54.40	27.56	-27.89	-	2.35	56.42	73.9	17.4	111	90	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Duty	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2390.000	AV	39.39	27.56	-27.89	-	0.31	2.35	41.72	53.9	12.1	*1)
Vert.	2390.000	AV	39.45	27.56	-27.89	-	0.31	2.35	41.78	53.9	12.1	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2422.000	PK	96.78	27.61	-27.86	-	2.35	98.88	-	-	Carrier
Hori.	2400.000	PK	46.05	27.57	-27.88	-	2.35	48.09	78.8	30.7	-
Vert.	2422.000	PK	95.95	27.61	-27.86	-	2.35	98.05	-	-	Carrier
Vert.	2400.000	PK	45.83	27.57	-27.88	-	2.35	47.87	78.0	30.1	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

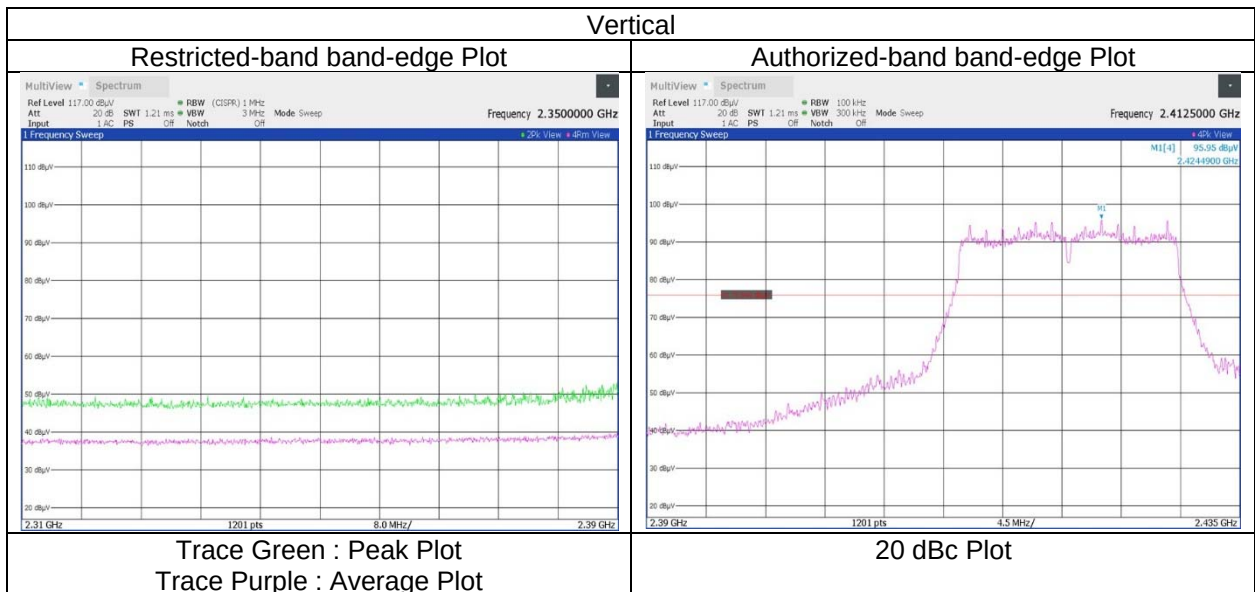
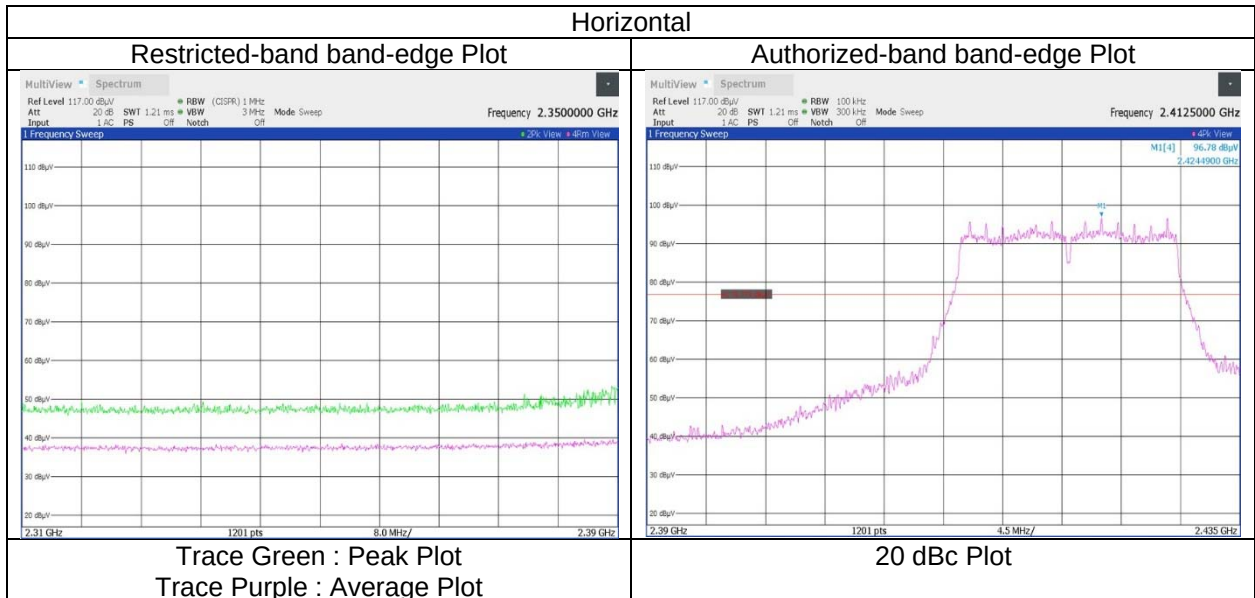
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11g 2422 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11g 2437 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 4, 2026	SAC2	19 deg. C	30 % RH	Masahide Ozaki	Below 1 GHz
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	339.404	QP	45.30	13.98	6.92	31.67	0.00	34.53	46.0	11.4	100	193	-
Hori.	384.925	QP	54.20	15.13	7.21	31.67	0.00	44.87	46.0	1.1	100	351	-
Hori.	413.708	QP	50.00	15.74	7.39	31.68	0.00	41.45	46.0	4.5	100	281	-
Hori.	439.288	QP	43.20	16.53	7.57	31.67	0.00	35.63	46.0	10.3	100	121	-
Hori.	592.817	QP	38.90	19.12	8.36	31.64	0.00	34.74	46.0	11.2	100	242	-
Hori.	616.309	QP	36.20	19.57	8.47	31.63	0.00	32.61	46.0	13.3	100	48	-
Hori.	4874.000	PK	47.76	31.88	-35.34	-	2.35	46.65	73.9	27.2	150	0	Floor Noise
Hori.	5111.800	PK	53.21	32.10	-35.31	-	2.35	52.35	73.9	21.5	127	161	-
Hori.	7311.000	PK	47.95	36.22	-33.64	-	2.35	52.88	73.9	21.0	150	0	Floor Noise
Hori.	9748.000	PK	47.00	37.53	-31.11	-	2.35	55.77	73.9	18.1	150	0	Floor Noise
Hori.	4874.000	AV	35.83	31.88	-35.34	-	2.35	34.72	53.9	19.1	150	0	Floor Noise
Hori.	5111.800	AV	48.63	32.10	-35.31	-	2.35	47.77	53.9	6.1	127	161	-
Hori.	7311.000	AV	36.04	36.22	-33.64	-	2.35	40.97	53.9	12.9	150	0	Floor Noise
Hori.	9748.000	AV	34.41	37.53	-31.11	-	2.35	43.18	53.9	10.7	150	0	Floor Noise
Vert.	351.298	QP	42.70	14.14	7.01	31.66	0.00	32.19	46.0	13.8	100	270	-
Vert.	380.817	QP	45.10	15.00	7.18	31.67	0.00	35.61	46.0	10.3	100	229	-
Vert.	442.897	QP	41.80	16.65	7.59	31.67	0.00	34.37	46.0	11.6	100	240	-
Vert.	618.426	QP	37.30	19.60	8.48	31.63	0.00	33.75	46.0	12.2	100	250	-
Vert.	719.991	QP	38.50	20.66	8.98	31.50	0.00	36.64	46.0	9.3	173	298	-
Vert.	3199.985	PK	58.29	28.23	-35.91	-	2.35	52.96	73.9	20.9	115	124	-
Vert.	4874.000	PK	47.81	31.88	-35.34	-	2.35	46.70	73.9	27.2	150	0	Floor Noise
Vert.	4999.981	PK	53.04	32.19	-35.40	-	2.35	52.18	73.9	21.7	122	166	-
Vert.	7311.000	PK	48.18	36.22	-33.64	-	2.35	53.11	73.9	20.7	150	0	Floor Noise
Vert.	9748.000	PK	46.39	37.53	-31.11	-	2.35	55.16	73.9	18.7	150	0	Floor Noise
Vert.	3199.985	AV	50.47	28.23	-35.91	-	2.35	45.14	53.9	8.7	115	124	-
Vert.	4874.000	AV	35.73	31.88	-35.34	-	2.35	34.62	53.9	19.2	150	0	Floor Noise
Vert.	4999.981	AV	47.72	32.19	-35.40	-	2.35	46.86	53.9	7.0	122	166	-
Vert.	7311.000	AV	36.06	36.22	-33.64	-	2.35	40.99	53.9	12.9	150	0	Floor Noise
Vert.	9748.000	AV	34.39	37.53	-31.11	-	2.35	43.16	53.9	10.7	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11g 2452 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	56.35	27.65	-27.80	-	2.35	58.55	73.9	15.3	135	13	-
Vert.	2483.500	PK	56.35	27.65	-27.80	-	2.35	58.55	73.9	15.3	109	96	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Duty	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	42.49	27.65	-27.80	-	0.31	2.35	45.00	53.9	8.8	*1)
Vert.	2483.500	AV	43.33	27.65	-27.80	-	0.31	2.35	45.84	53.9	8.0	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

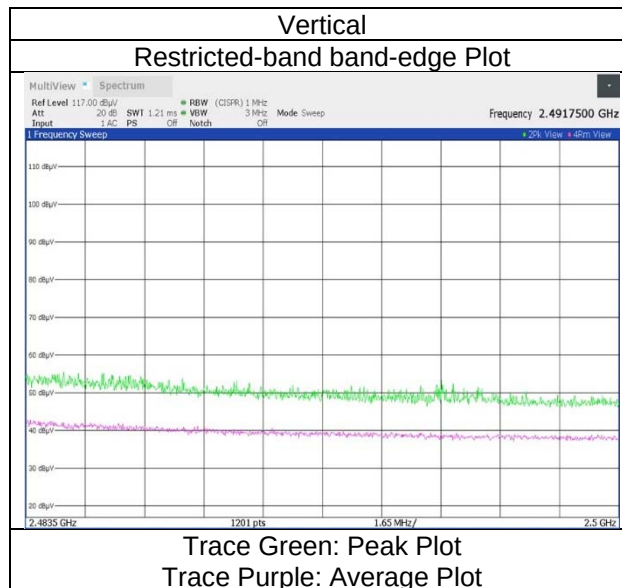
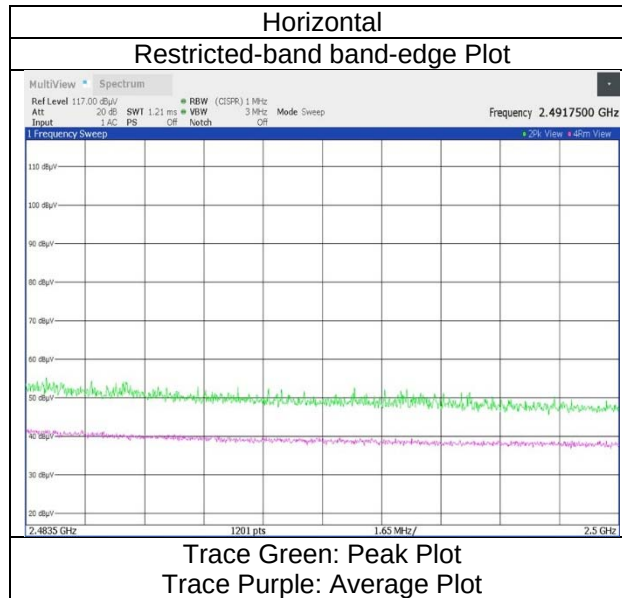
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx 11g 2452 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11g 2457 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	54.86	27.65	-27.80	-	2.35	57.06	73.9	16.8	135	11	-
Vert.	2483.500	PK	55.10	27.65	-27.80	-	2.35	57.30	73.9	16.6	105	96	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Duty	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	40.27	27.65	-27.80	-	0.31	2.35	42.78	53.9	11.1	*1)
Vert.	2483.500	AV	40.41	27.65	-27.80	-	0.31	2.35	42.92	53.9	10.9	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

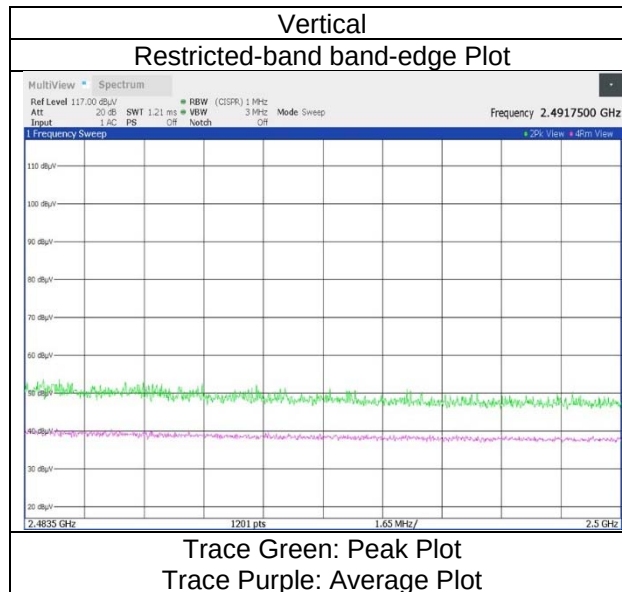
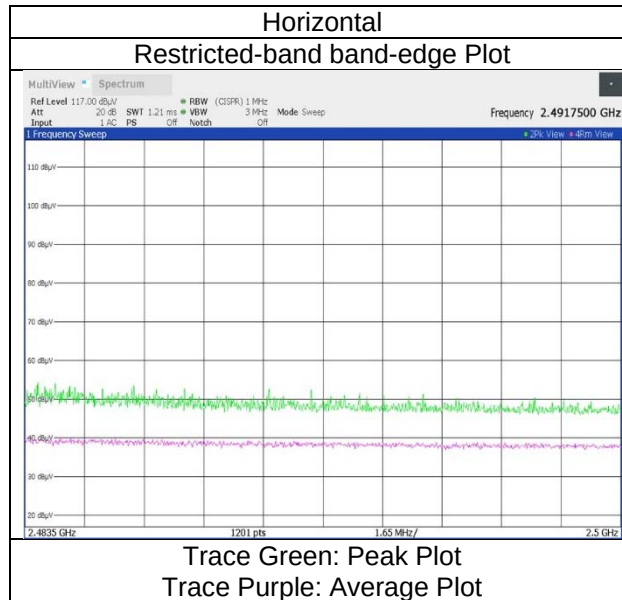
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx 11g 2457 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11g 2462 MHz
------	-----------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	59.15	27.65	-27.80	-	2.35	61.35	73.9	12.5	135	10	-
Hori.	4924.000	PK	47.67	32.08	-35.37	-	2.35	46.73	73.9	27.1	150	0	Floor Noise
Hori.	5111.800	PK	53.62	32.10	-35.31	-	2.35	52.76	73.9	21.1	128	164	-
Hori.	7386.000	PK	47.41	36.32	-33.51	-	2.35	52.57	73.9	21.3	150	0	Floor Noise
Hori.	9848.000	PK	46.51	37.54	-31.01	-	2.35	55.39	73.9	18.5	150	0	Floor Noise
Hori.	4924.000	AV	35.62	32.08	-35.37	-	2.35	34.68	53.9	19.2	150	0	Floor Noise
Hori.	5111.800	AV	48.61	32.10	-35.31	-	2.35	47.75	53.9	6.1	128	164	-
Hori.	7386.000	AV	35.67	36.32	-33.51	-	2.35	40.83	53.9	13.0	150	0	Floor Noise
Hori.	9848.000	AV	34.70	37.54	-31.01	-	2.35	43.58	53.9	10.3	150	0	Floor Noise
Vert.	2483.500	PK	58.67	27.65	-27.80	-	2.35	60.87	73.9	13.0	104	94	-
Vert.	3199.985	PK	58.31	28.23	-35.91	-	2.35	52.98	73.9	20.9	116	123	-
Vert.	4924.000	PK	47.51	32.08	-35.37	-	2.35	46.57	73.9	27.3	150	0	Floor Noise
Vert.	4999.981	PK	52.92	32.19	-35.40	-	2.35	52.06	73.9	21.8	123	168	-
Vert.	7386.000	PK	47.53	36.32	-33.51	-	2.35	52.69	73.9	21.2	150	0	Floor Noise
Vert.	9848.000	PK	46.53	37.54	-31.01	-	2.35	55.41	73.9	18.4	150	0	Floor Noise
Vert.	3199.985	AV	50.33	28.23	-35.91	-	2.35	45.00	53.9	8.9	116	123	-
Vert.	4924.000	AV	35.61	32.08	-35.37	-	2.35	34.67	53.9	19.2	150	0	Floor Noise
Vert.	4999.981	AV	47.80	32.19	-35.40	-	2.35	46.94	53.9	6.9	123	168	-
Vert.	7386.000	AV	35.56	36.32	-33.51	-	2.35	40.72	53.9	13.1	150	0	Floor Noise
Vert.	9848.000	AV	34.60	37.54	-31.01	-	2.35	43.48	53.9	10.4	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2483.500	AV	43.41	27.65	-27.80	-	0.31	2.35	45.92	53.9	7.9	*1)
Vert.	2483.500	AV	43.98	27.65	-27.80	-	0.31	2.35	46.49	53.9	7.4	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

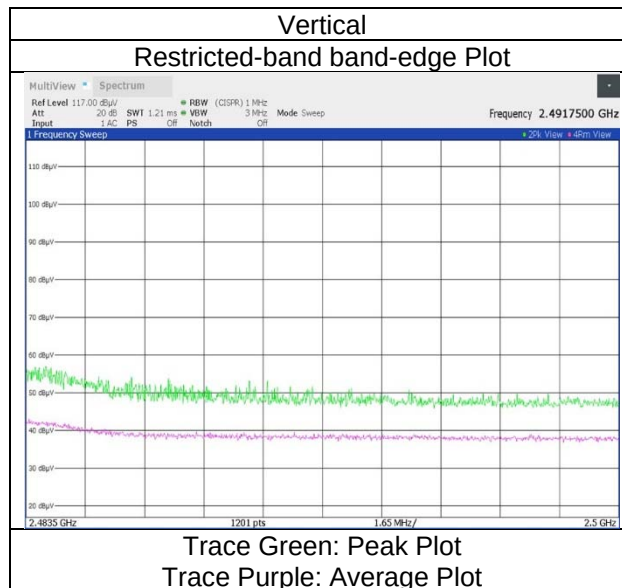
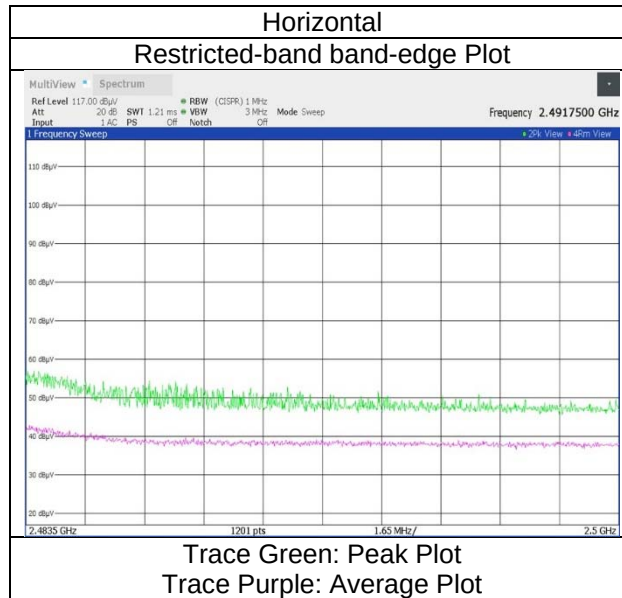
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx 11g 2462 MHz				
------	-----------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-20 2412 MHz
------	--------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2390.000	PK	60.21	27.56	-27.89	-	2.35	62.23	73.9	11.6	137	13	-
Hori.	4824.000	PK	47.45	31.62	-35.32	-	2.35	46.10	73.9	27.8	150	0	Floor Noise
Hori.	5111.800	PK	53.24	32.10	-35.31	-	2.35	52.38	73.9	21.5	127	164	-
Hori.	7236.000	PK	47.21	35.98	-33.78	-	2.35	51.76	73.9	22.1	150	0	Floor Noise
Hori.	9648.000	PK	46.98	37.55	-31.19	-	2.35	55.69	73.9	18.2	150	0	Floor Noise
Hori.	4824.000	AV	35.51	31.62	-35.32	-	2.35	34.16	53.9	19.7	150	0	Floor Noise
Hori.	5111.800	AV	48.62	32.10	-35.31	-	2.35	47.76	53.9	6.1	127	164	-
Hori.	7236.000	AV	35.65	35.98	-33.78	-	2.35	40.20	53.9	13.7	150	0	Floor Noise
Hori.	9648.000	AV	34.81	37.55	-31.19	-	2.35	43.52	53.9	10.3	150	0	Floor Noise
Vert.	2390.000	PK	59.82	27.56	-27.89	-	2.35	61.84	73.9	12.0	110	95	-
Vert.	3199.985	PK	58.15	28.23	-35.91	-	2.35	52.82	73.9	21.0	115	124	-
Vert.	4824.000	PK	47.38	31.62	-35.32	-	2.35	46.03	73.9	27.8	150	0	Floor Noise
Vert.	4999.981	PK	53.28	32.19	-35.40	-	2.35	52.42	73.9	21.4	124	168	-
Vert.	7236.000	PK	48.37	35.98	-33.78	-	2.35	52.92	73.9	20.9	150	0	Floor Noise
Vert.	9648.000	PK	46.48	37.55	-31.19	-	2.35	55.19	73.9	18.7	150	0	Floor Noise
Vert.	3199.985	AV	50.49	28.23	-35.91	-	2.35	45.16	53.9	8.7	115	124	-
Vert.	4824.000	AV	35.61	31.62	-35.32	-	2.35	34.26	53.9	19.6	150	0	Floor Noise
Vert.	4999.981	AV	47.89	32.19	-35.40	-	2.35	47.03	53.9	6.8	124	168	-
Vert.	7236.000	AV	35.60	35.98	-33.78	-	2.35	40.15	53.9	13.7	150	0	Floor Noise
Vert.	9648.000	AV	34.78	37.55	-31.19	-	2.35	43.49	53.9	10.4	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2390.000	AV	40.00	27.56	-27.89	-	0.34	2.35	42.36	53.9	11.5	*1)
Vert.	2390.000	AV	40.27	27.56	-27.89	-	0.34	2.35	42.63	53.9	11.2	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2412.000	PK	92.61	27.59	-27.87	-	2.35	94.68	-	-	Carrier
Hori.	2400.000	PK	52.45	27.57	-27.88	-	2.35	54.49	74.6	20.1	-
Vert.	2412.000	PK	92.41	27.59	-27.87	-	2.35	94.48	-	-	Carrier
Vert.	2400.000	PK	53.71	27.57	-27.88	-	2.35	55.75	74.4	18.6	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

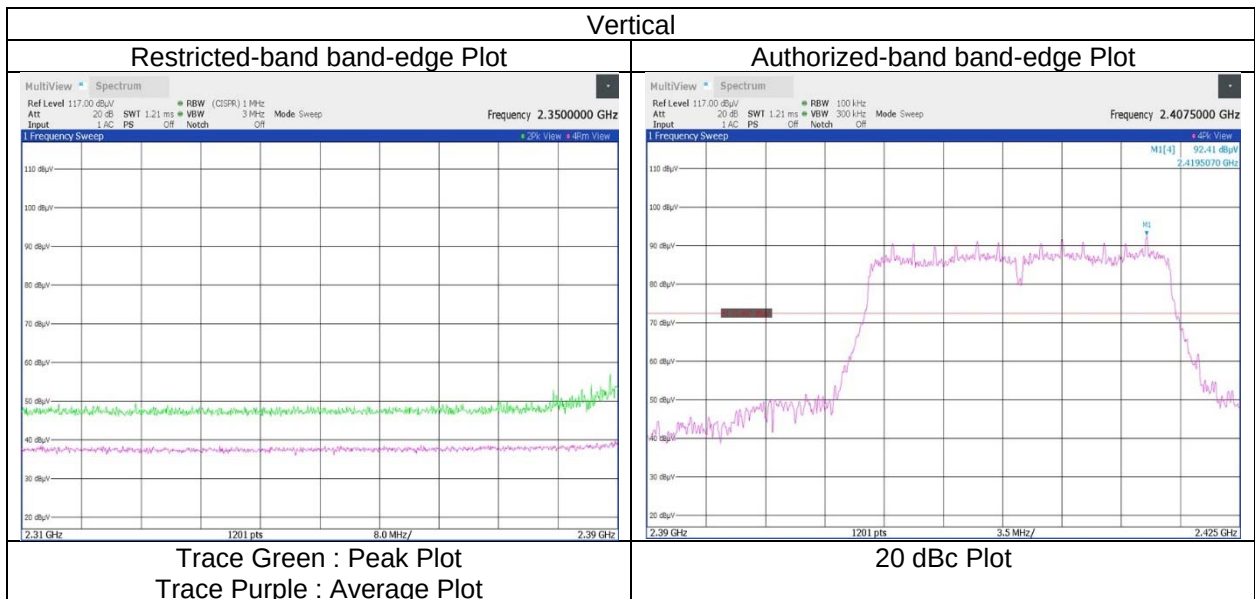
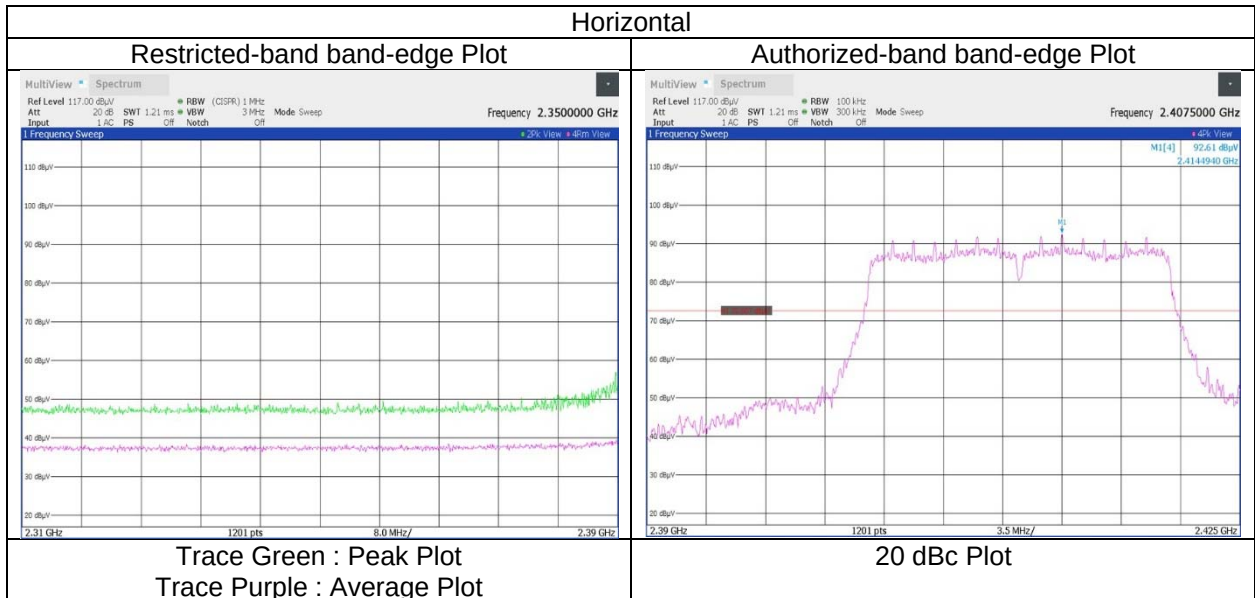
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11n-20 2412 MHz				
------	--------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-20 2417 MHz
------	--------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2390.000	PK	54.35	27.56	-27.89	-	2.35	56.37	73.9	17.5	137	11	-
Vert.	2390.000	PK	55.26	27.56	-27.89	-	2.35	57.28	73.9	16.6	110	96	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2390.000	AV	38.75	27.56	-27.89	-	0.34	2.35	41.11	53.9	12.7	*1)
Vert.	2390.000	AV	39.18	27.56	-27.89	-	0.34	2.35	41.54	53.9	12.3	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2417.000	PK	94.68	27.60	-27.86	-	2.35	96.77	-	-	Carrier
Hori.	2400.000	PK	49.19	27.57	-27.88	-	2.35	51.23	76.7	25.4	-
Vert.	2417.000	PK	94.75	27.60	-27.86	-	2.35	96.84	-	-	Carrier
Vert.	2400.000	PK	49.48	27.57	-27.88	-	2.35	51.52	76.8	25.2	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

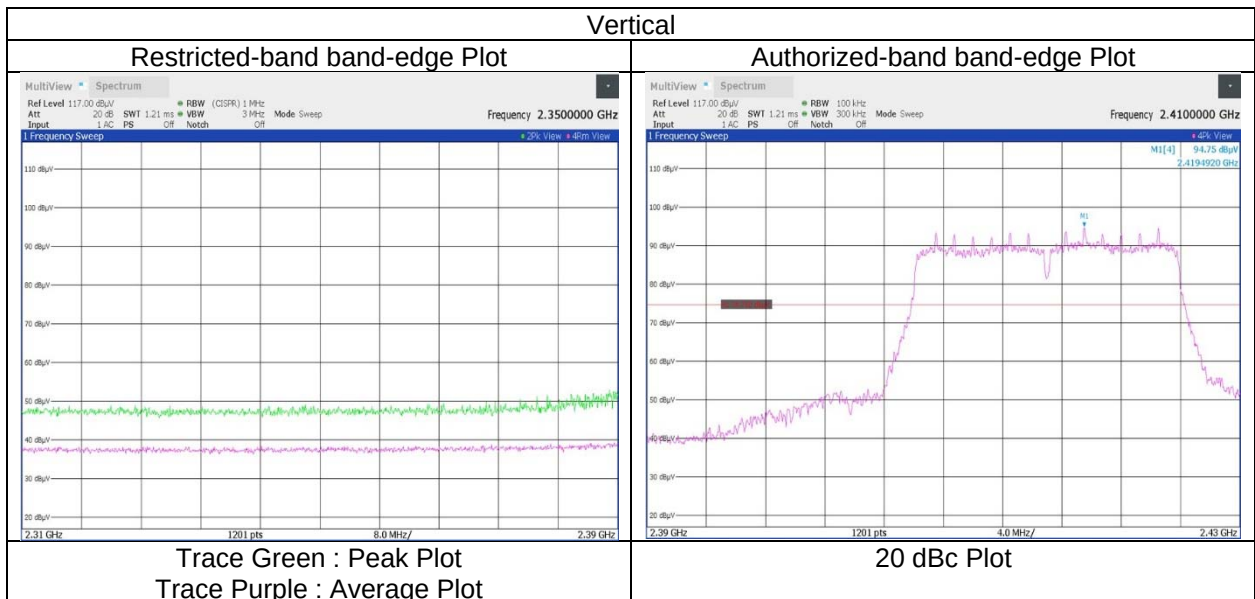
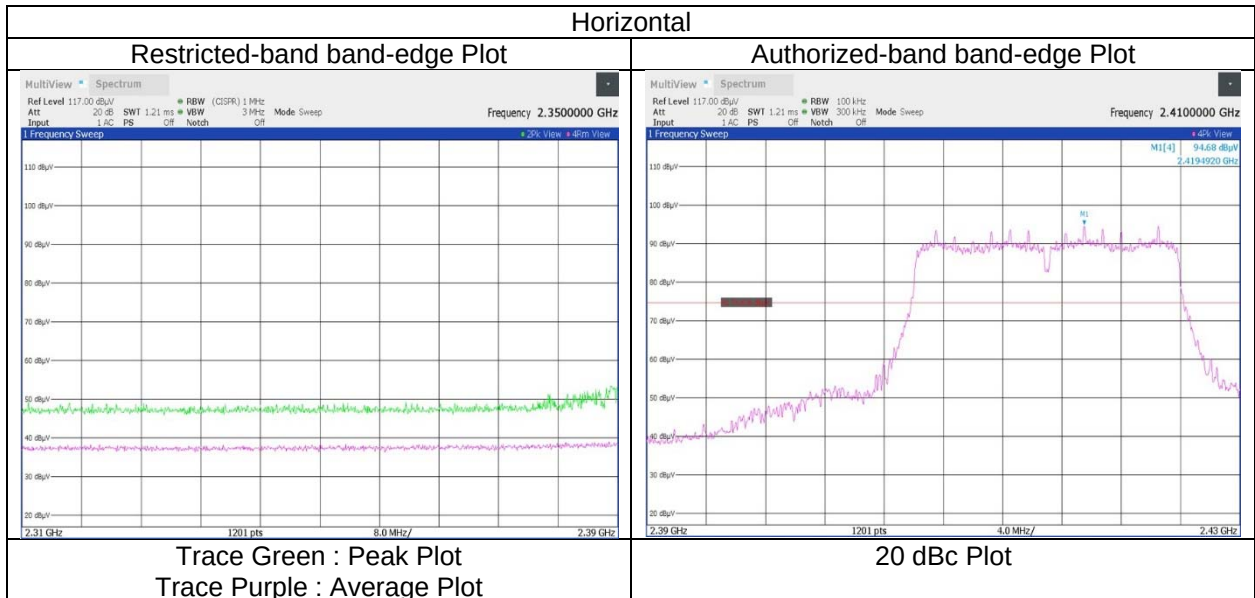
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11n-20 2417 MHz				
------	--------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-20 2422 MHz
------	--------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2390.000	PK	54.25	27.56	-27.89	-	2.35	56.27	73.9	17.6	138	15	-
Vert.	2390.000	PK	55.03	27.56	-27.89	-	2.35	57.05	73.9	16.8	113	95	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2390.000	AV	39.41	27.56	-27.89	-	0.34	2.35	41.77	53.9	12.1	*1)
Vert.	2390.000	AV	39.83	27.56	-27.89	-	0.34	2.35	42.19	53.9	11.7	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2422.000	PK	96.83	27.61	-27.86	-	2.35	98.93	-	-	Carrier
Hori.	2400.000	PK	46.67	27.57	-27.88	-	2.35	48.71	78.9	30.1	-
Vert.	2422.000	PK	96.89	27.61	-27.86	-	2.35	98.99	-	-	Carrier
Vert.	2400.000	PK	46.96	27.57	-27.88	-	2.35	49.00	78.9	29.9	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

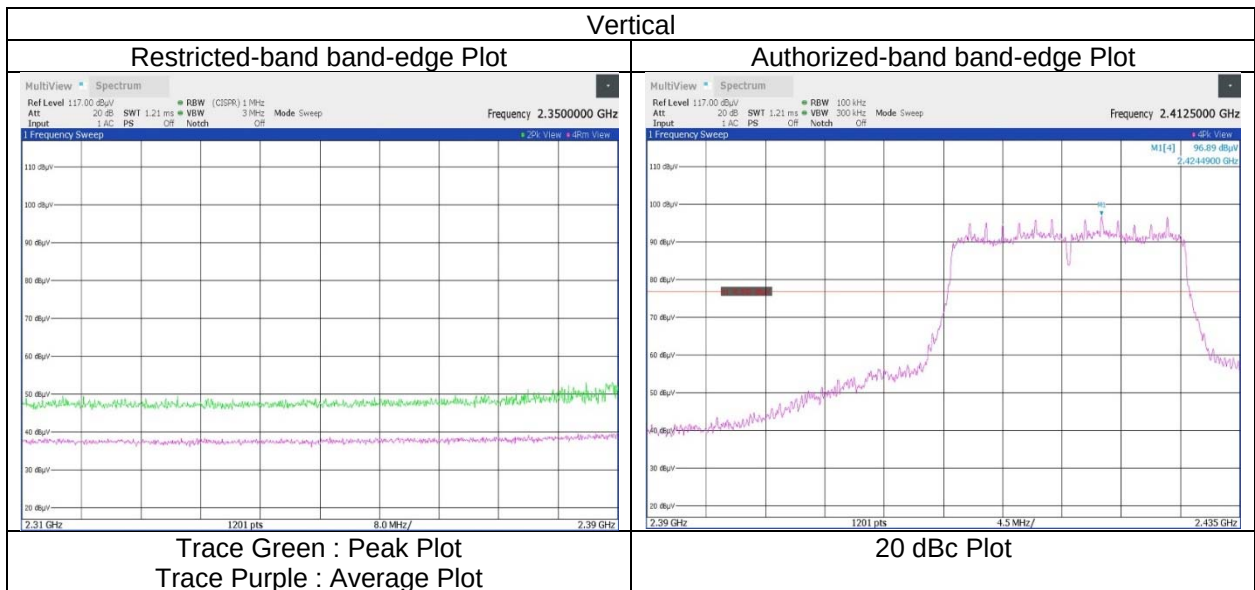
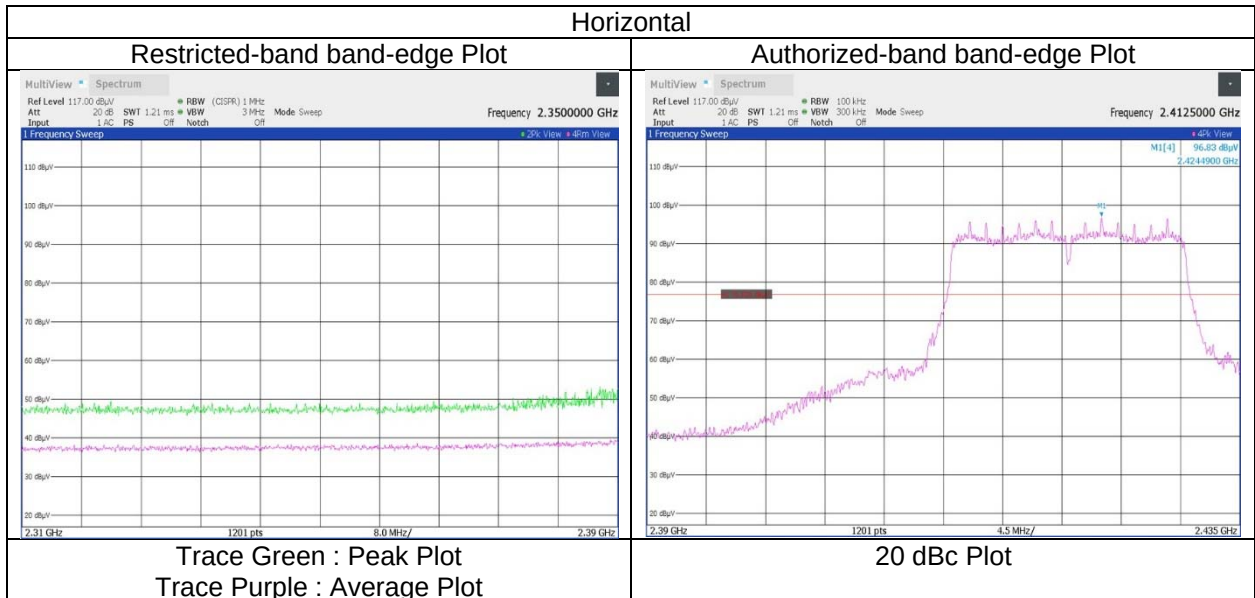
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11n-20 2422 MHz				
------	--------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-20 2437 MHz
------	--------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	4874.000	PK	47.74	31.88	-35.34	-	2.35	46.63	73.9	27.2	150	0	Floor Noise
Hori.	5111.800	PK	53.26	32.10	-35.31	-	2.35	52.40	73.9	21.5	127	160	-
Hori.	7311.000	PK	47.80	36.22	-33.64	-	2.35	52.73	73.9	21.1	150	0	Floor Noise
Hori.	9748.000	PK	46.38	37.53	-31.11	-	2.35	55.15	73.9	18.7	150	0	Floor Noise
Hori.	4874.000	AV	35.76	31.88	-35.34	-	2.35	34.65	53.9	19.2	150	0	Floor Noise
Hori.	5111.800	AV	48.65	32.10	-35.31	-	2.35	47.79	53.9	6.1	127	160	-
Hori.	7311.000	AV	36.04	36.22	-33.64	-	2.35	40.97	53.9	12.9	150	0	Floor Noise
Hori.	9748.000	AV	34.46	37.53	-31.11	-	2.35	43.23	53.9	10.6	150	0	Floor Noise
Vert.	3199.985	PK	58.46	28.23	-35.91	-	2.35	53.13	73.9	20.7	116	123	-
Vert.	4874.000	PK	47.68	31.88	-35.34	-	2.35	46.57	73.9	27.3	150	0	Floor Noise
Vert.	4999.981	PK	53.13	32.19	-35.40	-	2.35	52.27	73.9	21.6	123	167	-
Vert.	7311.000	PK	47.93	36.22	-33.64	-	2.35	52.86	73.9	21.0	150	0	Floor Noise
Vert.	9748.000	PK	46.43	37.53	-31.11	-	2.35	55.20	73.9	18.7	150	0	Floor Noise
Vert.	3199.985	AV	50.57	28.23	-35.91	-	2.35	45.24	53.9	8.6	116	123	-
Vert.	4874.000	AV	35.77	31.88	-35.34	-	2.35	34.66	53.9	19.2	150	0	Floor Noise
Vert.	4999.981	AV	48.03	32.19	-35.40	-	2.35	47.17	53.9	6.7	123	167	-
Vert.	7311.000	AV	36.13	36.22	-33.64	-	2.35	41.06	53.9	12.8	150	0	Floor Noise
Vert.	9748.000	AV	34.33	37.53	-31.11	-	2.35	43.10	53.9	10.8	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac.: 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx 11n-20 2452 MHz
------	--------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	58.34	27.65	-27.80	-	2.35	60.54	73.9	13.3	135	12	-
Vert.	2483.500	PK	59.82	27.65	-27.80	-	2.35	62.02	73.9	11.8	107	97	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2483.500	AV	43.55	27.65	-27.80	-	0.34	2.35	46.09	53.9	7.8	*1)
Vert.	2483.500	AV	44.05	27.65	-27.80	-	0.34	2.35	46.59	53.9	7.3	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

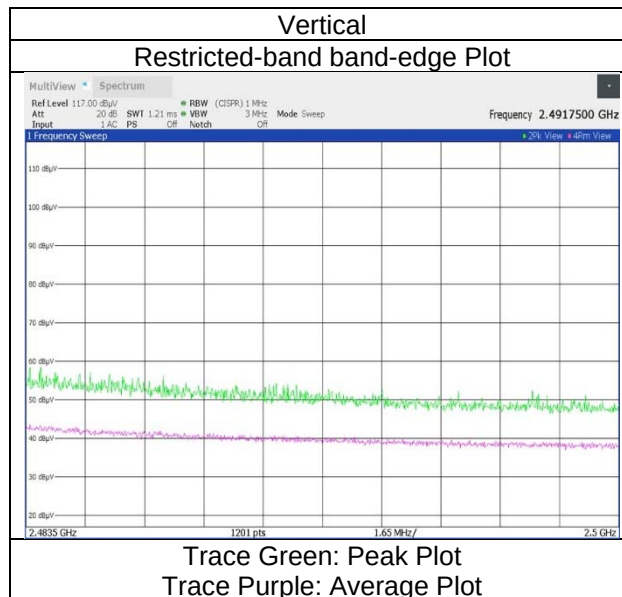
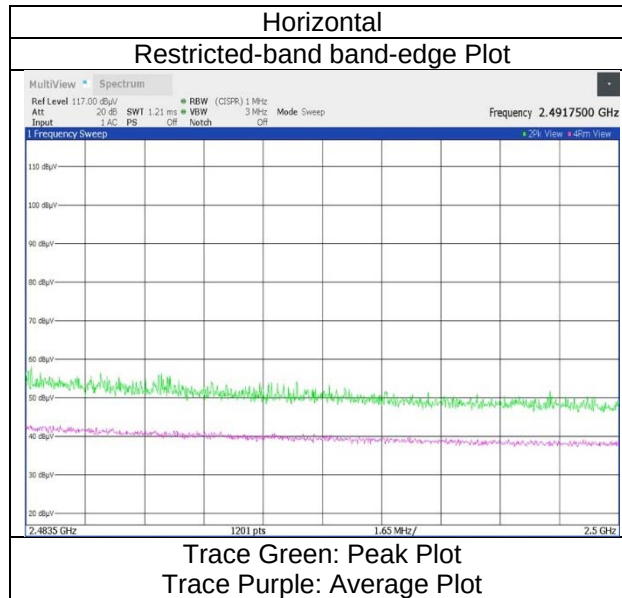
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx 11n-20 2452 MHz				
------	--------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-20 2457 MHz
------	--------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	54.88	27.65	-27.80	-	2.35	57.08	73.9	16.8	137	12	-
Vert.	2483.500	PK	56.89	27.65	-27.80	-	2.35	59.09	73.9	14.8	107	96	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Duty	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	40.75	27.65	-27.80	-	0.34	2.35	43.29	53.9	10.6	*1)
Vert.	2483.500	AV	41.18	27.65	-27.80	-	0.34	2.35	43.72	53.9	10.1	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

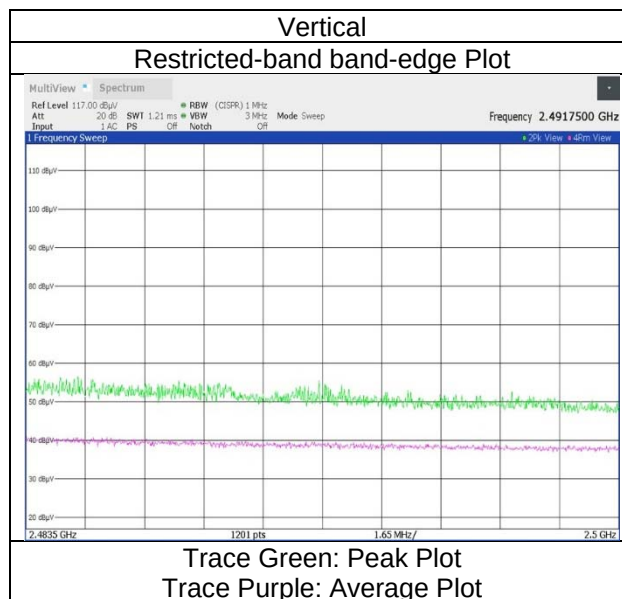
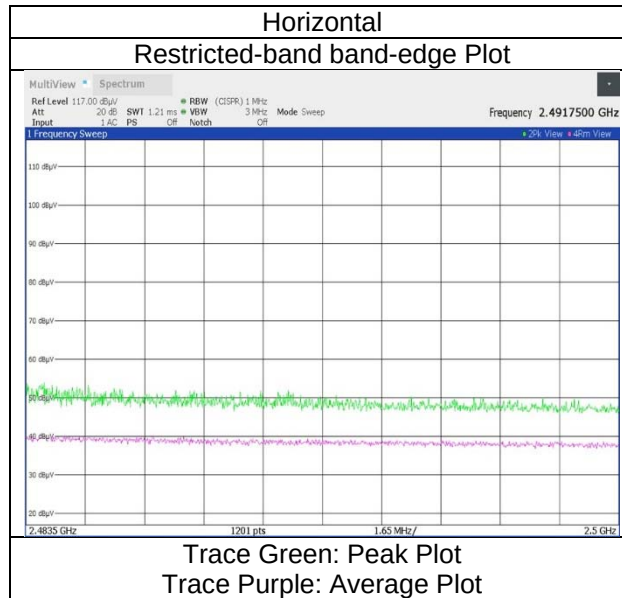
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx 11n-20 2457 MHz				
------	--------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-20 2462 MHz
------	--------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	61.55	27.65	-27.80	-	2.35	63.75	73.9	10.1	137	9	-
Hori.	4924.000	PK	47.47	32.08	-35.37	-	2.35	46.53	73.9	27.3	150	0	Floor Noise
Hori.	5111.800	PK	53.46	32.10	-35.31	-	2.35	52.60	73.9	21.3	127	164	-
Hori.	7386.000	PK	47.66	36.32	-33.51	-	2.35	52.82	73.9	21.0	150	0	Floor Noise
Hori.	9848.000	PK	46.39	37.54	-31.01	-	2.35	55.27	73.9	18.6	150	0	Floor Noise
Hori.	4924.000	AV	35.74	32.08	-35.37	-	2.35	34.80	53.9	19.1	150	0	Floor Noise
Hori.	5111.800	AV	48.63	32.10	-35.31	-	2.35	47.77	53.9	6.1	127	164	-
Hori.	7386.000	AV	35.63	36.32	-33.51	-	2.35	40.79	53.9	13.1	150	0	Floor Noise
Hori.	9848.000	AV	34.66	37.54	-31.01	-	2.35	43.54	53.9	10.3	150	0	Floor Noise
Vert.	2483.500	PK	61.88	27.65	-27.80	-	2.35	64.08	73.9	9.8	109	99	-
Vert.	3199.985	PK	58.25	28.23	-35.91	-	2.35	52.92	73.9	20.9	114	124	-
Vert.	4924.000	PK	47.47	32.08	-35.37	-	2.35	46.53	73.9	27.3	150	0	Floor Noise
Vert.	4999.981	PK	53.01	32.19	-35.40	-	2.35	52.15	73.9	21.7	123	168	-
Vert.	7386.000	PK	47.49	36.32	-33.51	-	2.35	52.65	73.9	21.2	150	0	Floor Noise
Vert.	9848.000	PK	46.43	37.54	-31.01	-	2.35	55.31	73.9	18.5	150	0	Floor Noise
Vert.	3199.985	AV	50.56	28.23	-35.91	-	2.35	45.23	53.9	8.6	114	124	-
Vert.	4924.000	AV	35.71	32.08	-35.37	-	2.35	34.77	53.9	19.1	150	0	Floor Noise
Vert.	4999.981	AV	47.83	32.19	-35.40	-	2.35	46.97	53.9	6.9	123	168	-
Vert.	7386.000	AV	35.68	36.32	-33.51	-	2.35	40.84	53.9	13.0	150	0	Floor Noise
Vert.	9848.000	AV	34.59	37.54	-31.01	-	2.35	43.47	53.9	10.4	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2483.500	AV	45.56	27.65	-27.80	-	0.34	2.35	48.10	53.9	5.7	*1)
Vert.	2483.500	AV	45.83	27.65	-27.80	-	0.34	2.35	48.37	53.9	5.5	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

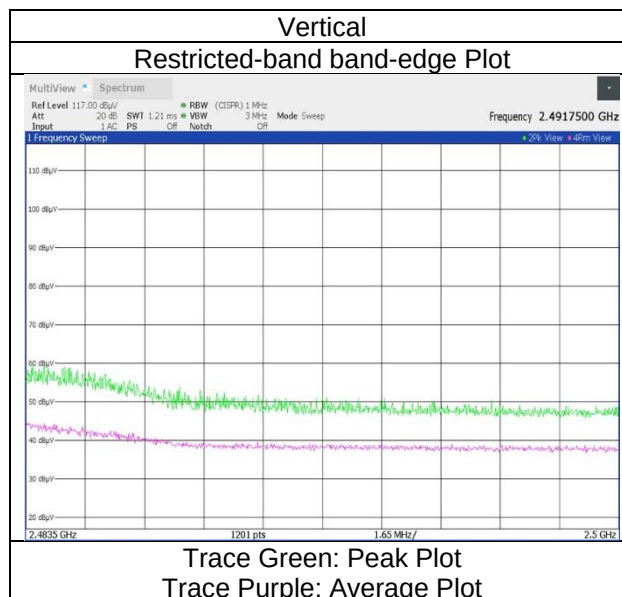
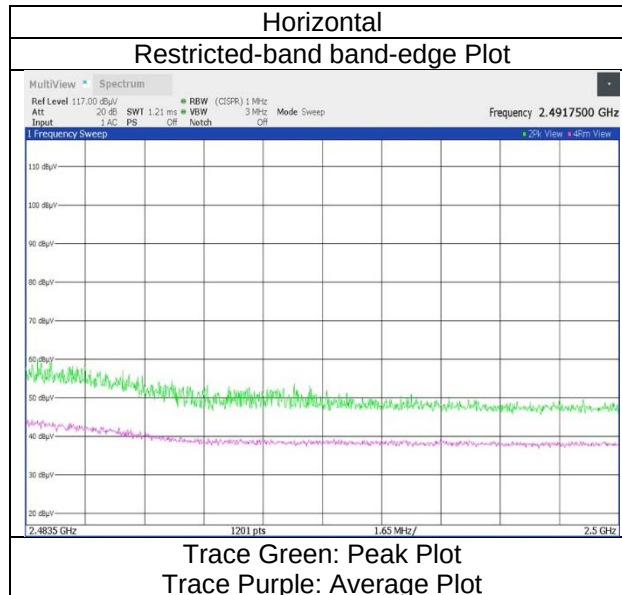
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx 11n-20 2462 MHz				
------	--------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 1M-PHY 2402 MHz
------	--------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2390.000	PK	45.76	27.56	-27.89	-	2.35	47.78	73.9	26.1	141	36	-
Hori.	4804.000	PK	48.15	31.49	-35.32	-	2.35	46.67	73.9	27.2	206	16	-
Hori.	9608.000	PK	46.72	37.56	-31.22	-	2.35	55.41	73.9	18.4	150	0	Floor Noise
Hori.	9608.000	AV	34.72	37.56	-31.22	-	2.35	43.41	53.9	10.4	150	0	Floor Noise
Vert.	2390.000	PK	46.66	27.56	-27.89	-	2.35	48.68	73.9	25.2	130	119	-
Vert.	3199.956	PK	58.99	28.23	-35.91	-	2.35	53.66	73.9	20.2	153	124	-
Vert.	4804.000	PK	47.66	31.49	-35.32	-	2.35	46.18	73.9	27.7	107	350	-
Vert.	4999.964	PK	54.01	32.19	-35.40	-	2.35	53.15	73.9	20.7	124	164	-
Vert.	9608.000	PK	46.69	37.56	-31.22	-	2.35	55.38	73.9	18.5	150	0	Floor Noise
Vert.	3199.956	AV	51.79	28.23	-35.91	-	2.35	46.46	53.9	7.4	153	124	-
Vert.	4999.964	AV	49.96	32.19	-35.40	-	2.35	49.10	53.9	4.8	124	164	-
Vert.	9608.000	AV	34.49	37.56	-31.22	-	2.35	43.18	53.9	10.7	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : 20log (3.93 [m] / 3.0 [m]) = 2.35 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2390.000	AV	35.32	27.56	-27.89	-	2.11	2.35	39.45	53.9	14.4	*1)
Hori.	4804.000	AV	36.08	31.49	-35.32	-	2.11	2.35	36.71	53.9	17.1	-
Vert.	2390.000	AV	35.93	27.56	-27.89	-	2.11	2.35	40.06	53.9	13.8	*1)
Vert.	4804.000	AV	36.01	31.49	-35.32	-	2.11	2.35	36.64	53.9	17.2	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : 20log (3.93 [m] / 3.0 [m]) = 2.35 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2402.000	PK	96.19	27.57	-27.88	-	2.35	98.23	-	-	Carrier
Hori.	2399.550	PK	44.05	27.57	-27.88	-	2.35	46.09	78.2	32.1	-
Hori.	2400.000	PK	40.23	27.57	-27.88	-	2.35	42.27	78.2	35.9	-
Hori.	7206.000	PK	52.51	35.86	-33.83	-	2.35	56.89	78.2	21.3	-
Vert.	2402.000	PK	94.56	27.57	-27.88	-	2.35	96.60	-	-	Carrier
Vert.	2399.550	PK	44.23	27.57	-27.88	-	2.35	46.27	76.6	30.3	-
Vert.	2400.000	PK	39.65	27.57	-27.88	-	2.35	41.69	76.6	34.9	-
Vert.	7206.000	PK	49.95	35.86	-33.83	-	2.35	54.33	76.6	22.2	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

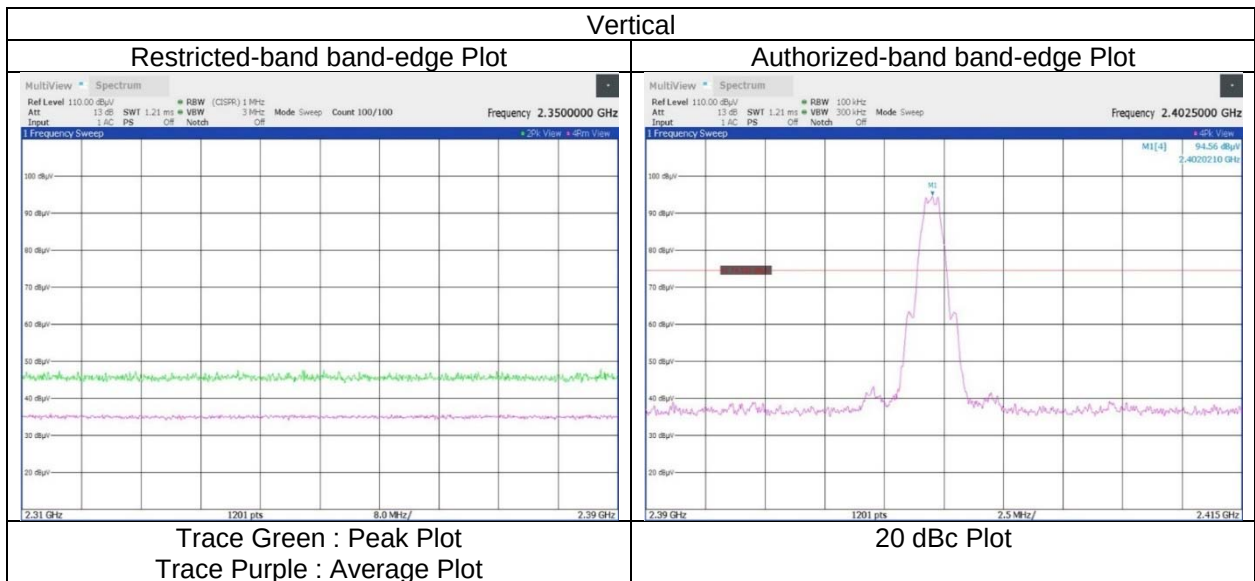
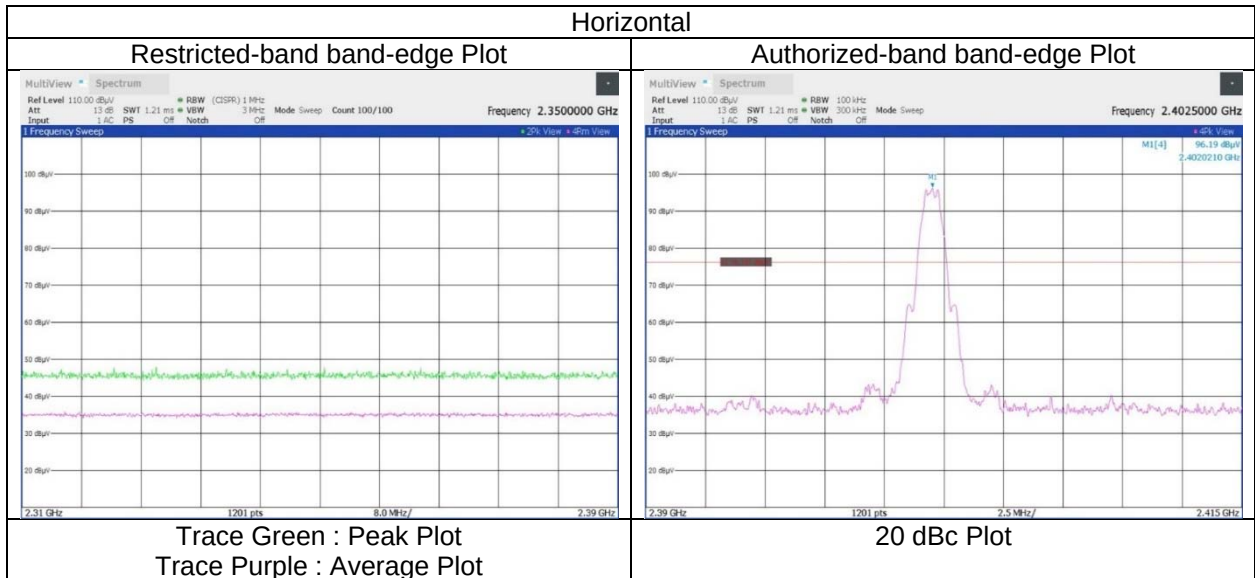
Distance Fac. : 1 GHz to 10 GHz : 20log (3.93 [m] / 3.0 [m]) = 2.35 [dB]

10 GHz to 40 GHz : 20log (1.00 [m] / 3.0 [m]) = -9.54 [dB]

Radiated Spurious Emission

Mode	Tx BT LE 1M-PHY 2402 MHz				
------	--------------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 1M-PHY 2440 MHz
------	--------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	4880.000	PK	47.96	31.91	-35.35	-	2.35	46.87	73.9	27.0	208	18	-
Hori.	7320.000	PK	55.24	36.24	-33.62	-	2.35	60.21	73.9	13.6	183	343	-
Hori.	9760.000	PK	46.86	37.52	-31.09	-	2.35	55.64	73.9	18.2	150	0	Floor Noise
Hori.	9760.000	AV	34.39	37.52	-31.09	-	2.35	43.17	53.9	10.7	150	0	Floor Noise
Vert.	3199.956	PK	58.94	28.23	-35.91	-	2.35	53.61	73.9	20.2	150	124	-
Vert.	4880.000	PK	47.80	31.91	-35.35	-	2.35	46.71	73.9	27.1	108	351	-
Vert.	4999.964	PK	54.19	32.19	-35.40	-	2.35	53.33	73.9	20.5	125	164	-
Vert.	7320.000	PK	53.31	36.24	-33.62	-	2.35	58.28	73.9	15.6	100	343	-
Vert.	9760.000	PK	46.23	37.52	-31.09	-	2.35	55.01	73.9	18.8	150	0	Floor Noise
Vert.	3199.956	AV	51.34	28.23	-35.91	-	2.35	46.01	53.9	7.8	150	124	-
Vert.	4999.964	AV	49.73	32.19	-35.40	-	2.35	48.87	53.9	5.0	125	164	-
Vert.	9760.000	AV	34.44	37.52	-31.09	-	2.35	43.22	53.9	10.6	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	4880.000	AV	36.10	31.91	-35.35	-	2.11	2.35	37.12	53.9	16.7	-
Hori.	7320.000	AV	46.35	36.24	-33.62	-	2.11	2.35	53.43	53.9	0.4	-
Vert.	4880.000	AV	35.87	31.91	-35.35	-	2.11	2.35	36.89	53.9	17.0	-
Vert.	7320.000	AV	43.77	36.24	-33.62	-	2.11	2.35	50.85	53.9	3.0	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

Radiated Spurious Emission

Mode	Tx BT LE 1M-PHY 2480 MHz
------	--------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	47.57	27.65	-27.80	-	2.35	49.77	73.9	24.1	141	26	-
Hori.	2487.914	PK	50.57	27.64	-27.80	-	2.35	52.76	73.9	21.1	141	26	-
Hori.	4960.000	PK	47.97	32.16	-35.38	-	2.35	47.10	73.9	26.8	206	24	-
Hori.	7440.000	PK	52.27	36.30	-33.42	-	2.35	57.50	73.9	16.4	110	357	-
Hori.	9920.000	PK	45.89	37.54	-30.94	-	2.35	54.84	73.9	19.0	150	0	Floor Noise
Hori.	9920.000	AV	34.15	37.54	-30.94	-	2.35	43.10	53.9	10.8	150	0	Floor Noise
Vert.	2483.500	PK	47.35	27.65	-27.80	-	2.35	49.55	73.9	24.3	156	179	-
Vert.	2487.924	PK	49.20	27.64	-27.80	-	2.35	51.39	73.9	22.5	156	179	-
Vert.	3199.956	PK	58.68	28.23	-35.91	-	2.35	53.35	73.9	20.5	150	124	-
Vert.	4960.000	PK	47.00	32.16	-35.38	-	2.35	46.13	73.9	27.7	121	33	-
Vert.	4999.964	PK	53.92	32.19	-35.40	-	2.35	53.06	73.9	20.8	125	164	-
Vert.	7440.000	PK	50.83	36.30	-33.42	-	2.35	56.06	73.9	17.8	229	310	-
Vert.	9920.000	PK	45.95	37.54	-30.94	-	2.35	54.90	73.9	19.0	150	0	Floor Noise
Vert.	3199.956	AV	51.05	28.23	-35.91	-	2.35	45.72	53.9	8.1	150	124	-
Vert.	4999.964	AV	49.53	32.19	-35.40	-	2.35	48.67	53.9	5.2	125	164	-
Vert.	9920.000	AV	34.15	37.54	-30.94	-	2.35	43.10	53.9	10.8	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2483.500	AV	36.78	27.65	-27.80	-	2.11	2.35	41.09	53.9	12.8	*1)
Hori.	2487.914	AV	38.79	27.64	-27.80	-	2.11	2.35	43.09	53.9	10.8	*2)
Hori.	4960.000	AV	36.01	32.16	-35.38	-	2.11	2.35	37.25	53.9	16.6	-
Hori.	7440.000	AV	41.70	36.30	-33.42	-	2.11	2.35	49.04	53.9	4.8	-
Vert.	2483.500	AV	36.88	27.65	-27.80	-	2.11	2.35	41.19	53.9	12.7	*1)
Vert.	2487.924	AV	37.71	27.64	-27.80	-	2.11	2.35	42.01	53.9	11.8	*2)
Vert.	4960.000	AV	35.97	32.16	-35.38	-	2.11	2.35	37.21	53.9	16.6	-
Vert.	7440.000	AV	40.46	36.30	-33.42	-	2.11	2.35	47.80	53.9	6.1	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

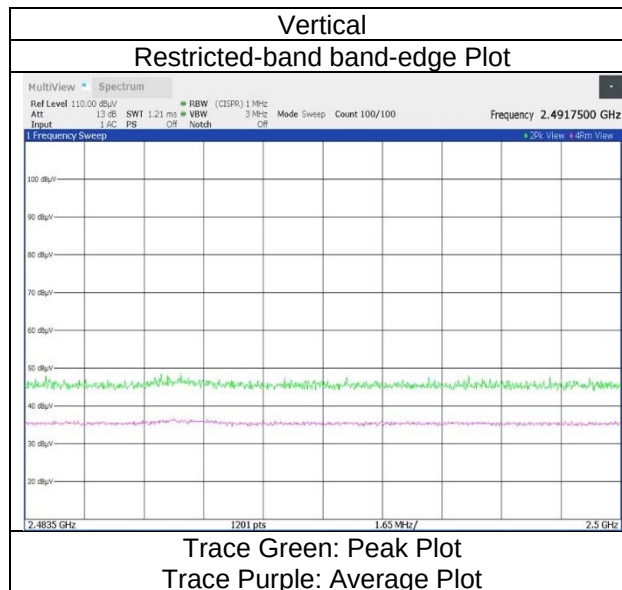
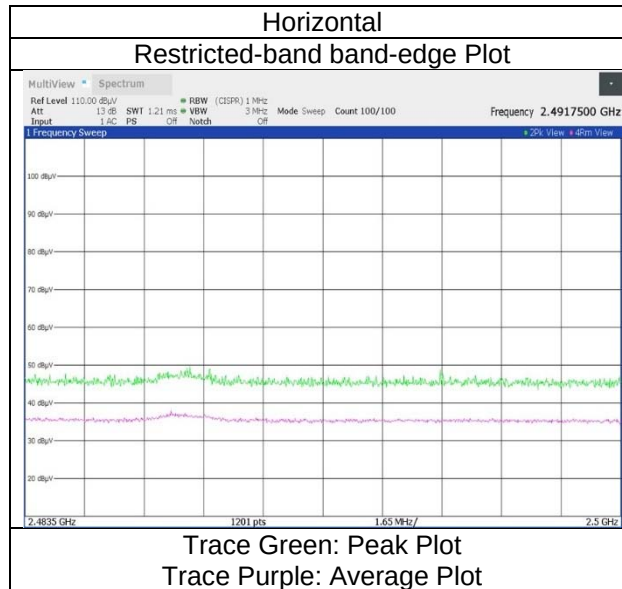
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx BT LE 1M-PHY 2480 MHz				
------	--------------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2402 MHz
------	--------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz
February 4, 2026	SAC2	20 deg. C	30 % RH	Takayuki Kobayashi	Below 1 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	315.009	QP	39.70	13.34	6.75	31.69	0.00	28.10	46.0	17.9	119	196	-
Hori.	325.999	QP	41.00	13.70	6.83	31.68	0.00	29.85	46.0	16.1	105	332	-
Hori.	380.006	QP	53.80	14.98	7.18	31.67	0.00	44.29	46.0	1.7	112	350	-
Hori.	577.011	QP	34.10	18.95	8.28	31.65	0.00	29.68	46.0	16.3	142	212	-
Hori.	934.026	QP	25.60	23.10	10.05	30.62	0.00	28.13	46.0	17.8	155	327	-
Hori.	2390.000	PK	47.11	27.56	-27.89	-	2.35	49.13	73.9	24.7	370	43	-
Hori.	4804.000	PK	47.84	31.49	-35.32	-	2.35	46.36	73.9	27.5	206	14	-
Hori.	9608.000	PK	46.30	37.56	-31.22	-	2.35	54.99	73.9	18.9	150	0	Floor Noise
Hori.	9608.000	AV	34.44	37.56	-31.22	-	2.35	43.13	53.9	10.7	150	0	Floor Noise
Vert.	381.991	QP	47.70	15.04	7.19	31.67	0.00	38.26	46.0	7.7	100	348	-
Vert.	434.801	QP	42.00	16.39	7.54	31.67	0.00	34.26	46.0	11.7	105	354	-
Vert.	453.311	QP	34.80	16.92	7.66	31.67	0.00	27.71	46.0	18.2	100	357	-
Vert.	588.598	QP	35.90	19.04	8.34	31.65	0.00	31.63	46.0	14.3	145	348	-
Vert.	719.954	QP	37.20	20.66	8.98	31.50	0.00	35.34	46.0	10.6	166	295	-
Vert.	2390.000	PK	46.86	27.56	-27.89	-	2.35	48.88	73.9	25.0	294	109	-
Vert.	3199.956	PK	58.68	28.23	-35.91	-	2.35	53.35	73.9	20.5	151	124	-
Vert.	4804.000	PK	47.36	31.49	-35.32	-	2.35	45.88	73.9	28.0	109	345	-
Vert.	4999.964	PK	54.09	32.19	-35.40	-	2.35	53.23	73.9	20.6	124	164	-
Vert.	9608.000	PK	46.47	37.56	-31.22	-	2.35	55.16	73.9	18.7	150	0	Floor Noise
Vert.	3199.956	AV	50.96	28.23	-35.91	-	2.35	45.63	53.9	8.2	151	124	-
Vert.	4999.964	AV	49.73	32.19	-35.40	-	2.35	48.87	53.9	5.0	124	164	-
Vert.	9608.000	AV	34.40	37.56	-31.22	-	2.35	43.09	53.9	10.8	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Duty	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2390.000	AV	36.26	27.56	-27.89	-	4.93	2.35	43.21	53.9	10.6	*1)
Hori.	4804.000	AV	35.49	31.49	-35.32	-	4.93	2.35	38.94	53.9	14.9	-
Vert.	2390.000	AV	36.16	27.56	-27.89	-	4.93	2.35	43.11	53.9	10.7	*1)
Vert.	4804.000	AV	35.57	31.49	-35.32	-	4.93	2.35	39.02	53.9	14.8	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2402.000	PK	96.68	27.57	-27.88	-	2.35	98.72	-	-	Carrier
Hori.	2400.000	PK	64.83	27.57	-27.88	-	2.35	66.87	78.7	11.8	-
Hori.	7206.000	PK	53.47	35.86	-33.83	-	2.35	57.85	78.7	20.8	-
Vert.	2402.000	PK	93.62	27.57	-27.88	-	2.35	95.66	-	-	Carrier
Vert.	2400.000	PK	62.12	27.57	-27.88	-	2.35	64.16	75.6	11.4	-
Vert.	7206.000	PK	50.57	35.86	-33.83	-	2.35	54.95	75.6	20.6	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

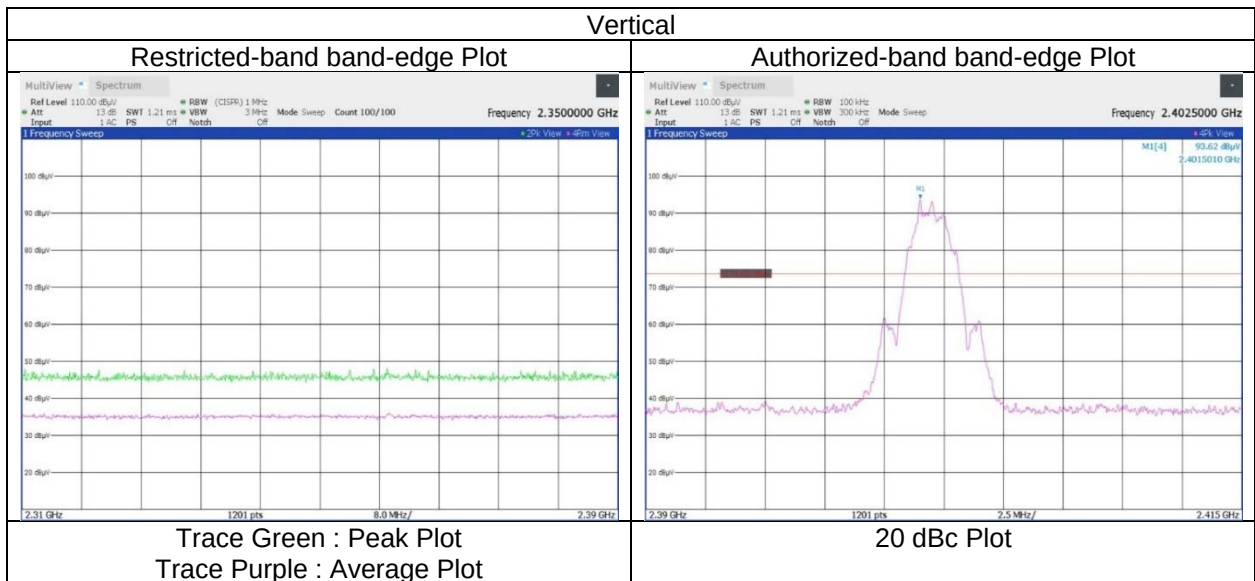
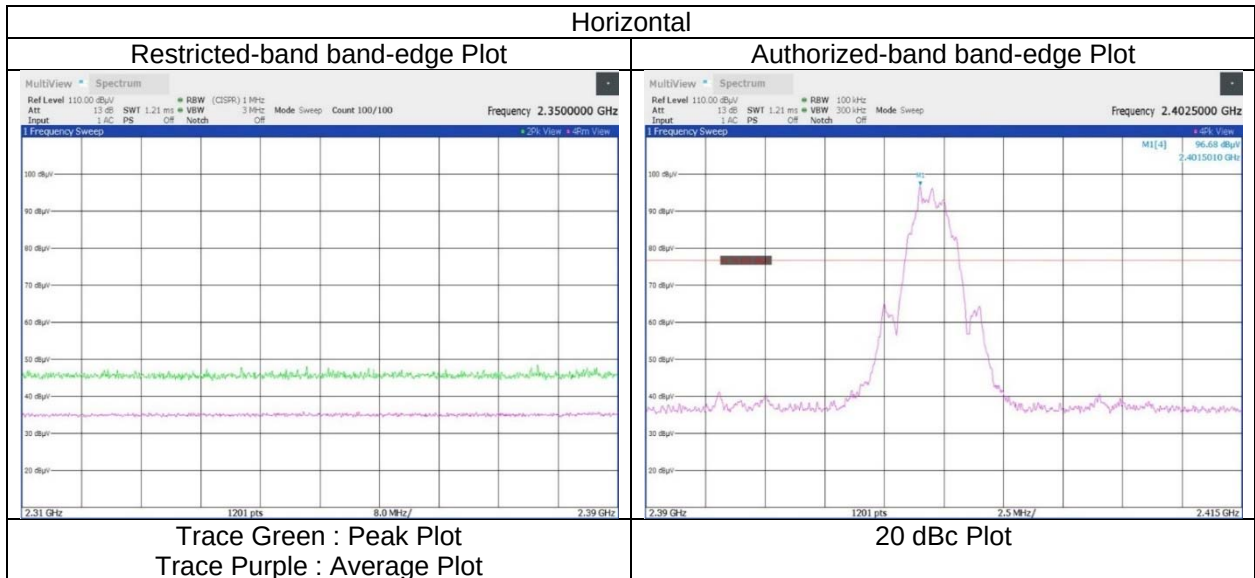
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2402 MHz				
------	--------------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2440 MHz
------	--------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	4880.000	PK	47.87	31.91	-35.35	-	2.35	46.78	73.9	27.1	208	18	-
Hori.	7320.000	PK	54.76	36.24	-33.62	-	2.35	59.73	73.9	14.1	183	343	-
Hori.	9760.000	PK	46.60	37.52	-31.09	-	2.35	55.38	73.9	18.5	150	0	Floor Noise
Hori.	9760.000	AV	34.52	37.52	-31.09	-	2.35	43.30	53.9	10.6	150	0	Floor Noise
Vert.	3199.956	PK	58.61	28.23	-35.91	-	2.35	53.28	73.9	20.6	150	124	-
Vert.	4880.000	PK	47.48	31.91	-35.35	-	2.35	46.39	73.9	27.5	108	351	-
Vert.	4999.964	PK	54.00	32.19	-35.40	-	2.35	53.14	73.9	20.7	125	163	-
Vert.	7320.000	PK	52.62	36.24	-33.62	-	2.35	57.59	73.9	16.3	100	343	-
Vert.	9760.000	PK	46.25	37.52	-31.09	-	2.35	55.03	73.9	18.8	150	0	Floor Noise
Vert.	3199.956	AV	51.13	28.23	-35.91	-	2.35	45.80	53.9	8.1	150	124	-
Vert.	4999.964	AV	49.66	32.19	-35.40	-	2.35	48.80	53.9	5.1	125	163	-
Vert.	9760.000	AV	34.56	37.52	-31.09	-	2.35	43.34	53.9	10.5	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	4880.000	AV	35.92	31.91	-35.35	-	4.93	2.35	39.76	53.9	14.1	-
Hori.	7320.000	AV	43.32	36.24	-33.62	-	4.93	2.35	53.22	53.9	0.6	-
Vert.	4880.000	AV	35.81	31.91	-35.35	-	4.93	2.35	39.65	53.9	14.2	-
Vert.	7320.000	AV	40.83	36.24	-33.62	-	4.93	2.35	50.73	53.9	3.1	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93[m]/3.0[m]) = 2.35[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2480 MHz
------	--------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	48.51	27.65	-27.80	-	2.35	50.71	73.9	23.1	237	29	-
Hori.	2487.006	PK	49.82	27.64	-27.80	-	2.35	52.01	73.9	21.8	237	29	-
Hori.	4960.000	PK	47.78	32.16	-35.38	-	2.35	46.91	73.9	26.9	208	24	-
Hori.	7440.000	PK	51.58	36.30	-33.42	-	2.35	56.81	73.9	17.0	110	357	-
Hori.	9920.000	PK	46.15	37.54	-30.94	-	2.35	55.10	73.9	18.8	150	0	Floor Noise
Hori.	9920.000	AV	34.13	37.54	-30.94	-	2.35	43.08	53.9	10.8	150	0	Floor Noise
Vert.	2483.500	PK	48.17	27.65	-27.80	-	2.35	50.37	73.9	23.5	293	183	-
Vert.	3199.956	PK	58.76	28.23	-35.91	-	2.35	53.43	73.9	20.4	151	124	-
Vert.	4960.000	PK	47.45	32.16	-35.38	-	2.35	46.58	73.9	27.3	119	34	-
Vert.	4999.964	PK	54.00	32.19	-35.40	-	2.35	53.14	73.9	20.7	125	164	-
Vert.	7440.000	PK	51.13	36.30	-33.42	-	2.35	56.36	73.9	17.5	229	309	-
Vert.	9920.000	PK	45.82	37.54	-30.94	-	2.35	54.77	73.9	19.1	150	0	Floor Noise
Vert.	3199.956	AV	51.04	28.23	-35.91	-	2.35	45.71	53.9	8.1	151	124	-
Vert.	4999.964	AV	49.73	32.19	-35.40	-	2.35	48.87	53.9	5.0	125	164	-
Vert.	9920.000	AV	34.25	37.54	-30.94	-	2.35	43.20	53.9	10.7	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2483.500	AV	37.45	27.65	-27.80	-	4.93	2.35	44.58	53.9	9.3	*1)
Hori.	2487.006	AV	37.87	27.64	-27.80	-	4.93	2.35	44.99	53.9	8.9	*2)
Hori.	4960.000	AV	35.90	32.16	-35.38	-	4.93	2.35	39.96	53.9	13.9	-
Hori.	7440.000	AV	39.61	36.30	-33.42	-	4.93	2.35	49.77	53.9	4.1	-
Vert.	2483.500	AV	36.83	27.65	-27.80	-	4.93	2.35	43.96	53.9	9.9	*1)
Vert.	4960.000	AV	35.80	32.16	-35.38	-	4.93	2.35	39.86	53.9	14.0	-
Vert.	7440.000	AV	38.85	36.30	-33.42	-	4.93	2.35	49.01	53.9	4.8	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.93 [m] / 3.0 [m]) = 2.35 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

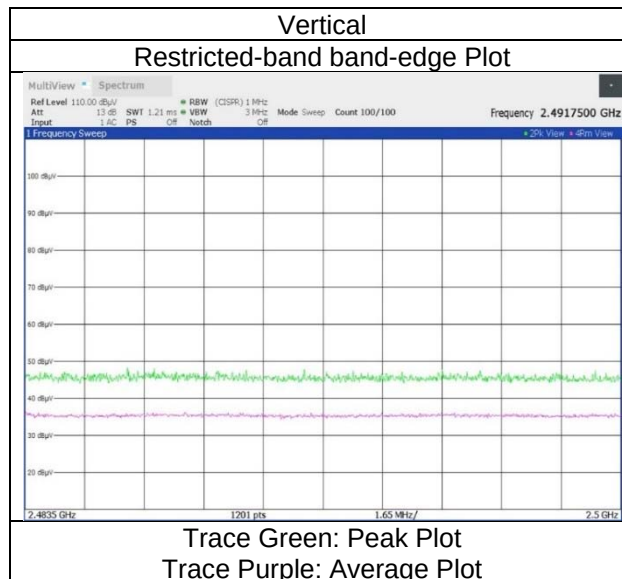
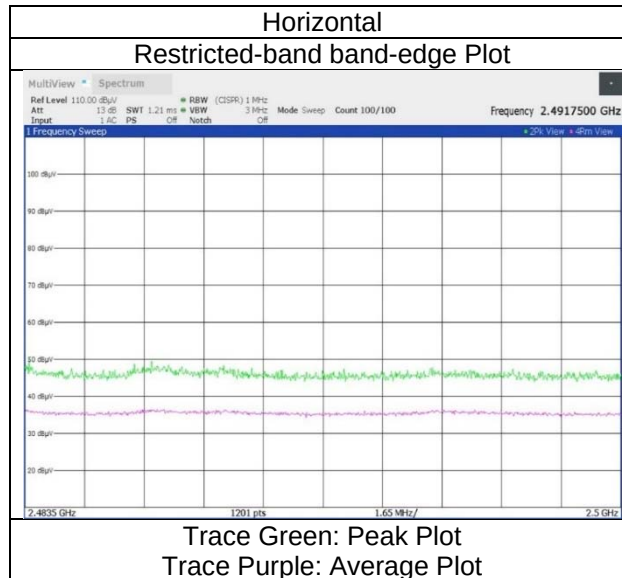
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2480 MHz				
------	--------------------------	--	--	--	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz

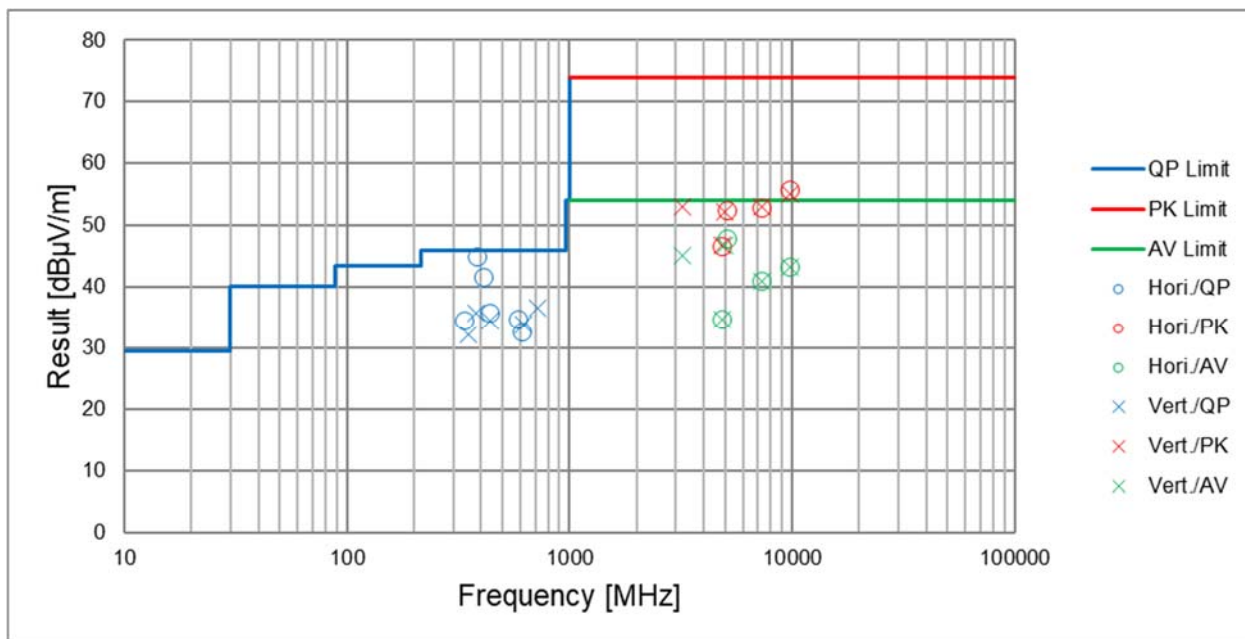


* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission (Plot data, Worst case mode for Maximum Conducted Output Power)

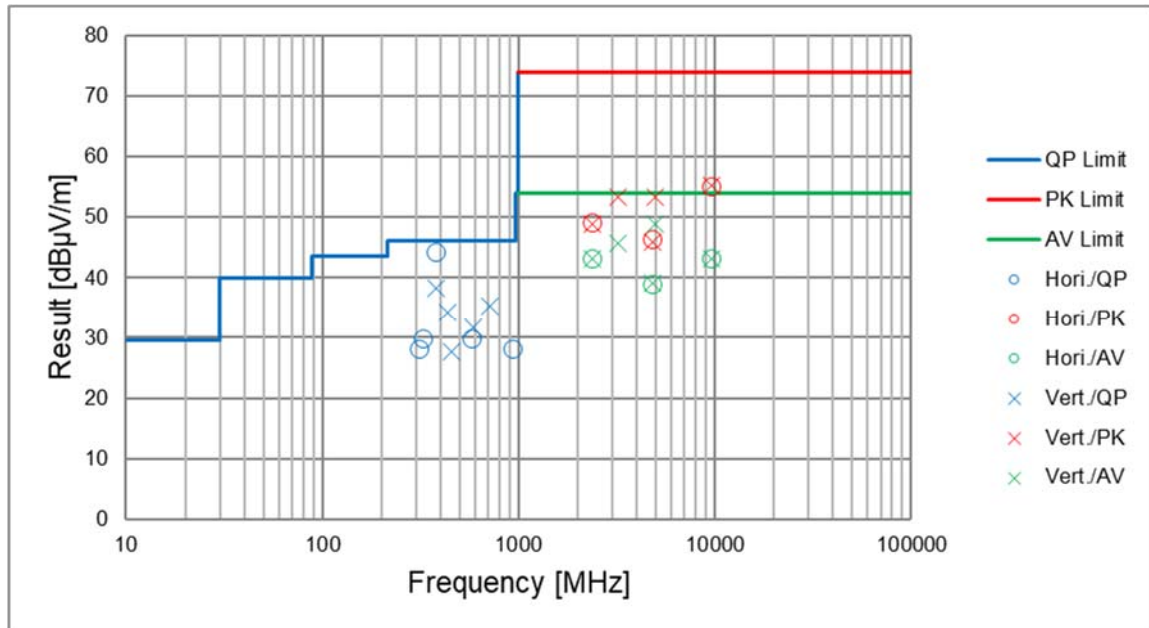
Mode	Tx 11g 2437 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 4, 2026	SAC2	19 deg. C	30 % RH	Masahide Ozaki	Below 1 GHz
January 29 and 30, 2026	WAC1	20 deg. C	30 % RH	Yasumasa Owaki	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz



*These plots data contains sufficient number to show the trend of characteristic features for EUT.

Radiated Spurious Emission (Plot data, Worst case mode for Maximum Conducted Output Power)

Mode	Tx BT LE 2M-PHY 2402 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 4, 2026	SAC2	20 deg. C	30 % RH	Takayuki Kobayashi	Below 1 GHz
January 28, 2026	WAC1	25 deg. C	33 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
January 31, 2026	WAC1	21 deg. C	33 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
February 1, 2026	WAC1	22 deg. C	33 % RH	Yohsuke Matsuzawa	Above 10 GHz

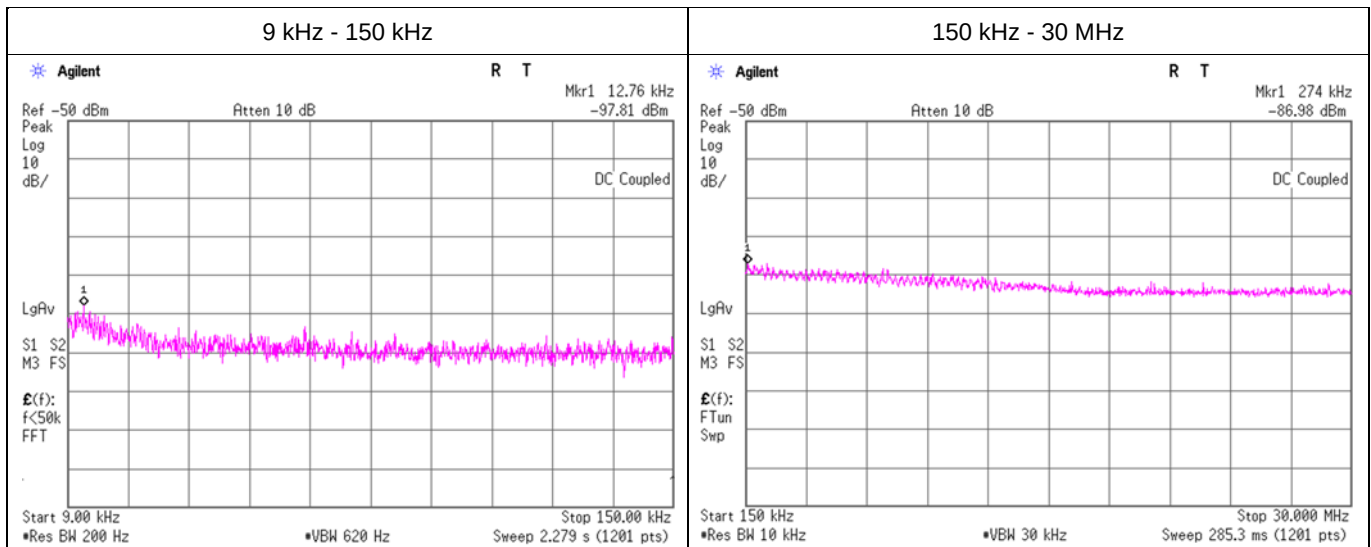


*These plots data contains sufficient number to show the trend of characteristic features for EUT.

Conducted Spurious Emission

Mode	Tx 11g 2437 MHz			
Date	Test Place	Temperature	Humidity	Engineer
February 4, 2026	SR2	20 deg.C	30 %RH	Takayuki Kobayashi

Tx 11g, 2437 MHz



Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain *	N (Number of Output)	EIRP	Distance	Ground bounce	E (field strength)	Limit	Margin	Remark
[kHz]	[dBm]	[dB]	[dB]	[dBi]		[dBm]	[m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
12.760	-97.81	0.46	9.54	2.34	1.0	-85.5	300	6.0	-24.2	45.4	69.6	-
274.000	-86.98	0.82	9.56	2.34	1.0	-74.3	300	6.0	-13.0	18.8	31.8	-

$$E \text{ [dBuV/m]} = \text{EIRP [dBm]} - 20 \log (\text{Distance [m]}) + \text{Ground bounce [dB]} + 104.8 \text{ [dBuV/m]}$$

$$\text{EIRP [dBm]} = \text{Reading [dBm]} + \text{Cable loss [dB]} + \text{Attenuator Loss [dB]} + \text{Antenna gain [dBi]} + 10 * \log (N)$$

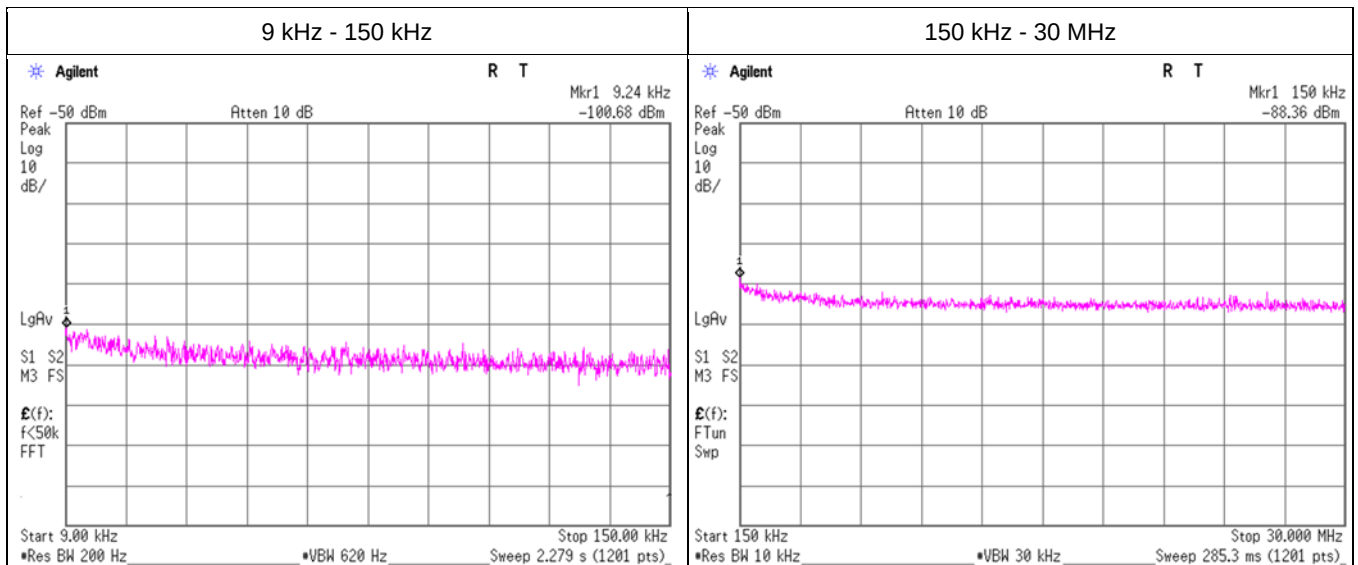
N: Number of output

Conducted Spurious Emission

Mode	Tx BT LE 2M-PHY			
------	-----------------	--	--	--

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Huromasa Sato

BT LE 2M-PHY, 2402 MHz



Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain *	N (Number of Output)	EIRP	Distance	Ground bounce	E (field strength)	Limit	Margin	Remark
[kHz]	[dBm]	[dB]	[dB]	[dBi]		[dBm]	[m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
9.240	-100.68	0.44	9.54	2.00	1.00	-88.7	300	6.0	-27.4	48.2	75.6	-
150.000	-88.36	0.70	9.56	2.00	1.00	-76.1	300	6.0	-14.8	24.0	38.8	-

$E [dBuV/m] = EIRP [dBm] - 20 \log (Distance [m]) + Ground\ bounce [dB] + 104.8 [dBuV/m]$

$EIRP [dBm] = Reading [dBm] + Cable\ loss [dB] + Attenuator\ Loss [dB] + Antenna\ gain [dBi] + 10 * \log (N)$

N: Number of output

*2.0 dBi was applied to the test result based on ANSI C63.10 since antenna gain was less than 2.0 dBi.

Power Density

Mode	Tx 11b
------	--------

Date	Test Place	Temperature	Humidity	Engineer
January 22, 2026	SR5	23 deg.C	30 %RH	Hirumasa Sato

11b

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	-20.05	1.64	9.64	-8.78	8.00	16.78
2437	-18.31	1.65	9.64	-7.02	8.00	15.02
2462	-20.20	1.65	9.64	-8.91	8.00	16.91

Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

11g

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	-27.75	1.64	9.64	-16.48	8.00	24.48
2437	-23.44	1.65	9.64	-12.16	8.00	20.16
2462	-28.62	1.65	9.64	-17.34	8.00	25.34

Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

11n-20

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	-28.93	1.64	9.64	-17.66	8.00	25.66
2437	-24.20	1.65	9.64	-12.92	8.00	20.92
2462	-28.09	1.65	9.64	-16.80	8.00	24.80

Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

BT LE 1M-PHY

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2402	-21.45	1.64	9.64	-10.18	8.00	18.18
2440	-21.57	1.65	9.64	-10.29	8.00	18.29
2480	-21.73	1.65	9.64	-10.44	8.00	18.44

Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

BT LE 2M-PHY

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2402	-24.20	1.64	9.64	-12.93	8.00	20.93
2440	-24.31	1.65	9.64	-13.03	8.00	21.03
2480	-24.43	1.65	9.64	-13.14	8.00	21.14

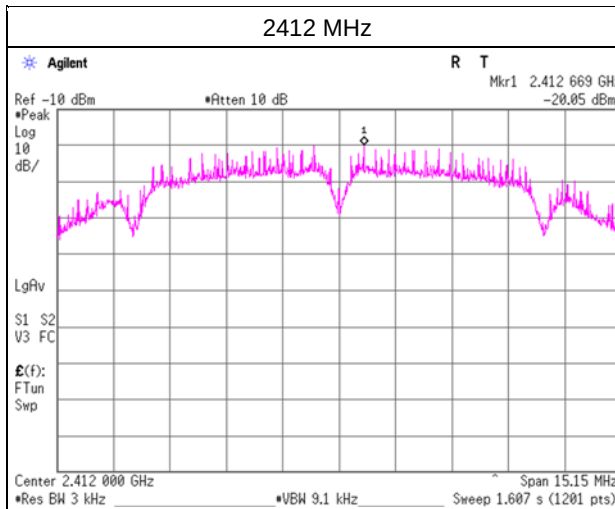
Sample Calculation:

PSD: Power Spectral Density

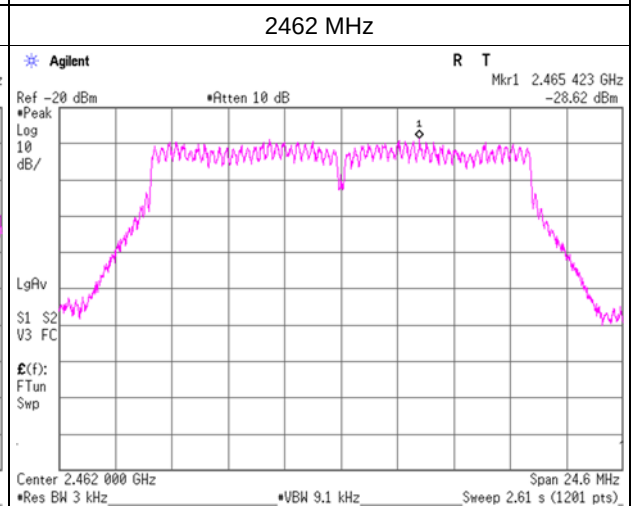
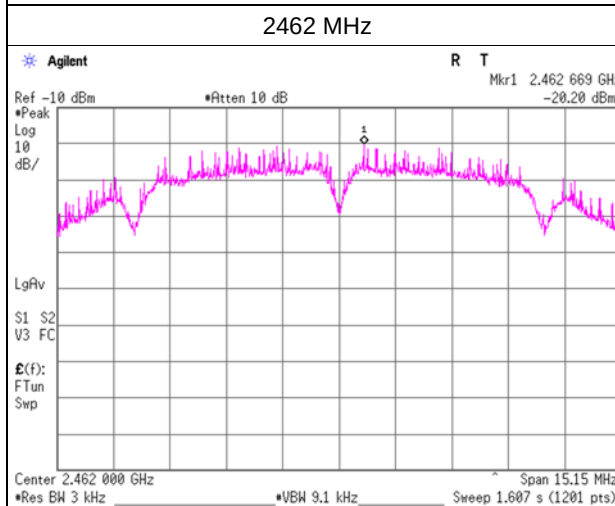
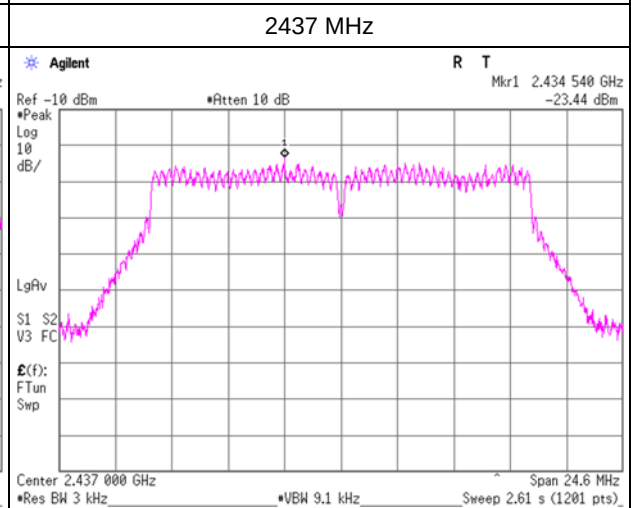
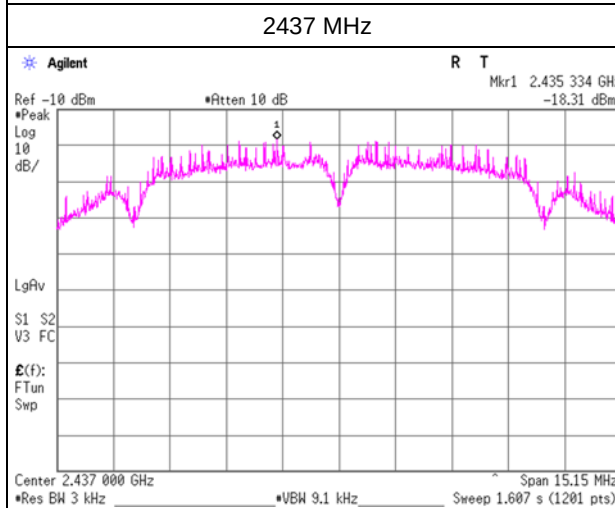
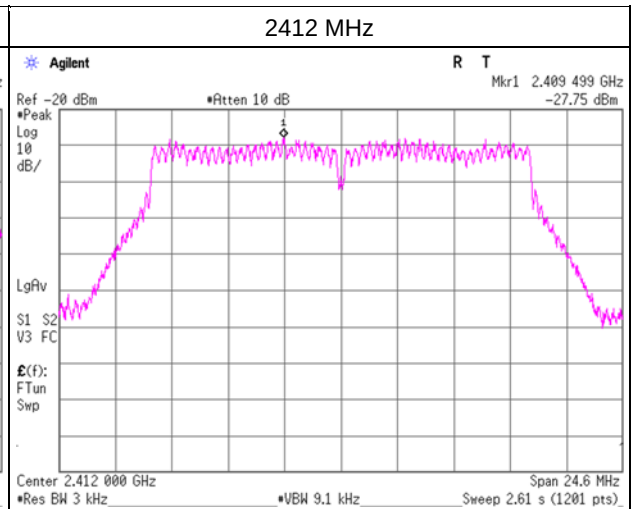
PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

Power Density

11b

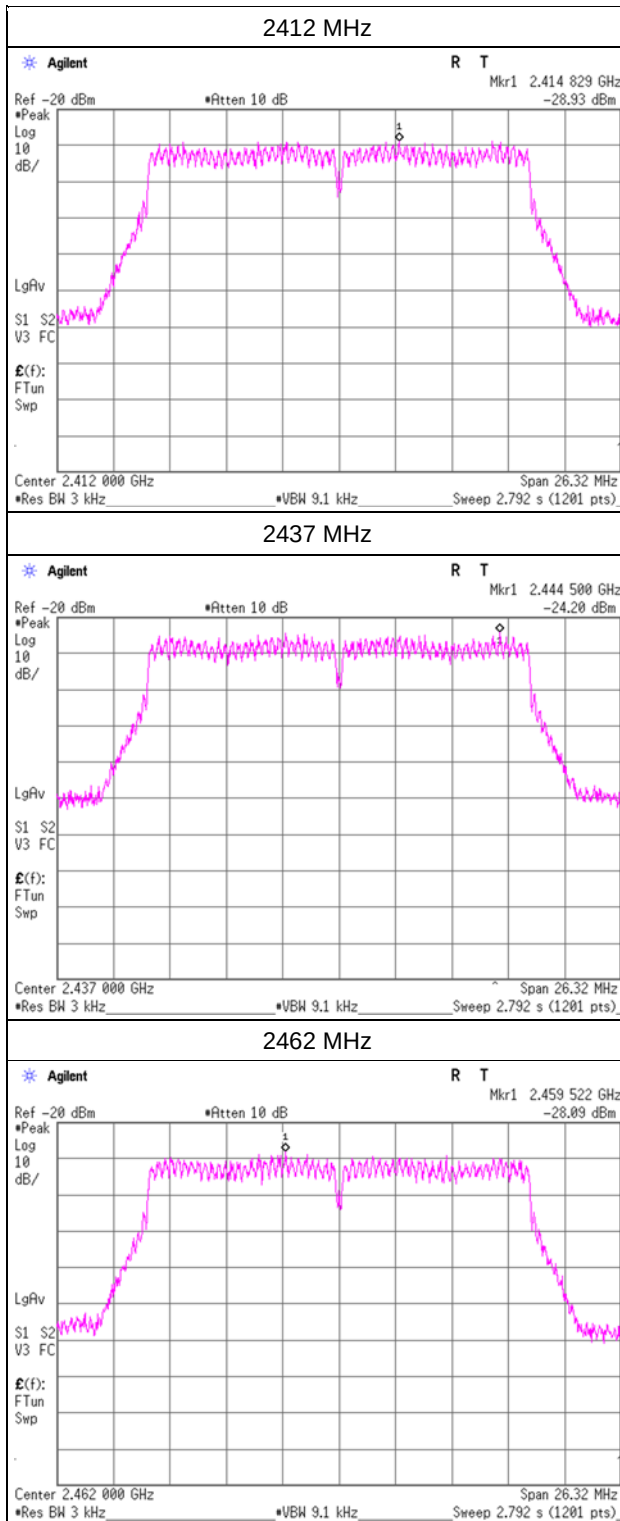


11g



Power Density

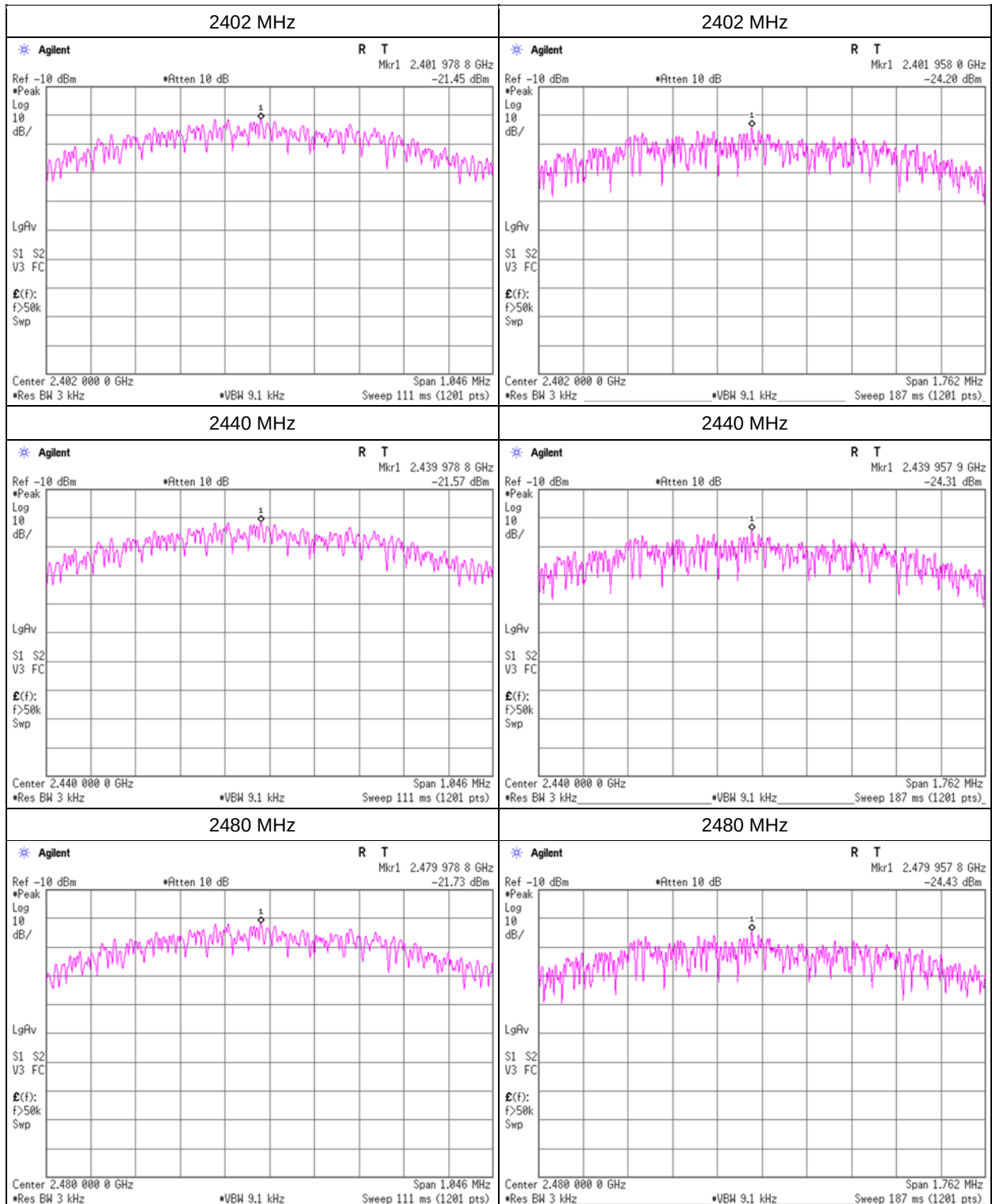
11n-20



Power Density

BT LE 1M-PHY

BT LE 2M-PHY



APPENDIX 2: Test Instruments

Test Equipment

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
AT	145132	Attenuator	Weinschel Corp.	54A-10	W5692	2025/10/16	12
AT	196947	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	803478/2	2025/03/13	12
AT	145111	Digital Tester	SANWA	PC500	7019232	2025/09/11	12
AT	146247	Power Meter	Keysight Technologies Inc	8990B	MY51000272	2025/05/20	12
AT	146310	Power sensor	Keysight Technologies Inc	N1923A	MY5326009	2025/05/20	12
AT	145801	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY48250152	2025/09/11	12
AT	235604	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY45300743	2025/08/07	12
AT	204923	Terminator	Weinschel - API Technologies Corp	M1459A	110101	2025/02/18	12
AT	259714	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/11	12
AT,RE	235735	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/16	12
RE	150921	Attenuator	JFW	50HF-003N	-	2025/02/19	12
RE	167096	Attenuator	JFW	50HF-006N	-	2025/02/19	12
RE	248305	Attenuator	JFW	50HFFA-006-2/18N	-	2025/05/14	12
RE	145022	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	BBA9106	91032665	2025/04/22	12
RE	194601	Coaxial Cable	Fujikura	5D-2W	-	2025/11/12	12
RE	236710	Coaxial Cable	Hayashi-Repic co., Ltd.	KMS020B-GL140sE-KMS020B-7.0m	47256-03-01	2025/05/27	12
RE	239643	Coaxial Cable	Junkosha	MWX221-01000NFSNMS/B	2306S021	2025/08/27	12
RE	243209	Coaxial Cable	Hayashi-Repic co., Ltd.	SMS13-13A26-NFS13-1.0m	49190-01-01	2025/12/04	12
RE	243689	Coaxial Cable	Huber+Suhner	GL310C(Hayashi-Repic)/SF106/SF106	49373-01-01/2000781/2001160	2025/06/27	12
RE	264040	Coaxial Cable	Hayashi-Repic co., Ltd.	SMS13-13A26-SFS13-0.5m	53292-01-01	2025/06/20	12
RE	144975	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/N S4906	/0901-270(RF Selector)	2025/04/05	12
RE	144976	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/N S4906	/0901-270(RF Selector)	2025/04/05	12
RE	145793	Digital Hitester	HIOKI E. E. CORPORATION	3805-50	80997819	2025/05/23	12
RE	235639	DIGITAL MULTIMETER	HIOKI E. E. CORPORATION	DT4261	230313156	2025/05/22	12
RE	170932	EMI Software	TSJ (Techno Science Japan)	TEPTO-DV3(RE,CE,ME,PE)	Ver 3.1.0612	-	-
RE	236585	Horn Antenna	AINFO Inc.	LB-42-25-C2-KF	2020087000103	2025/04/01	12
RE	236686	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	787	2025/04/01	12
RE	236769	Horn Antenna	AINFO Inc.	LB-8180-NF	2030013000111	2025/04/01	12
RE	236418	Logperiodic Antenna	Schwarzbeck Mess-Elektronik OHG	VULP 9118 B	00975	2025/07/22	12
RE	245074	Loop(Active) Antenna	ETS-Lindgren	6502	00262458	2025/04/09	12
RE	145004	Pre Amplifier	SONOMA	310N	290212	2025/02/19	12
RE	237718	Pre Amplifier	TSJ (Techno Science Japan)	MLA-18265-J03	23060016	2025/06/19	12
RE	237784	RF RELAY MATRIX with preamplifier	TSJ (Techno Science Japan)	RFM-E221261R	07795	2025/11/23	12
RE	145568	Semi Anechoic Chamber(ME)	TDK	Semi Anechoic Chamber 3m/10m	1, 2, 3	2024/10/12	24
RE	145563	Semi-Anechoic Chamber	TDK	SAEC-02(NSA)	2	2025/03/05	12
RE	236616	Semi-Anechoic Chamber	TDK	SWAC-01(SVSWR)	1	2025/06/12	12
RE	207277	Tape Measure	ASKUL	-	-	-	-
RE	235716	Tape Measure	ASKUL	-	-	-	-
RE	146209	Test Receiver	Rohde & Schwarz	ESU26	100484	2025/09/09	12
RE	235267	Test Receiver	Rohde & Schwarz	ESW44	103018	2025/03/18	12
RE	259709	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/11	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:

AT: Antenna Terminal Conducted test

RE: Radiated Emission