

RADIO TEST REPORT

Test Report No. 16037257S-C-R2

Customer	Canon Inc.
Description of EUT	Digital Camera
Model Number of EUT	DS126933
FCC ID	AZD260
Test Regulation	FCC Part 15 Subpart C
Test Result	Complied
Issue Date	December 12, 2025
Remarks	Wireless LAN (2.4 GHz band) and Bluetooth Low Energy part(s) Conducted Emission and Radiated Spurious Emission Only *Spot check This product employs a module that has been previously certified under FCC ID AZD241, as documented in Appendix 4.

Representative Test Engineer  Takayuki Kobayashi Engineer	Approved By  Toyokazu Imamura 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".	

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

REVISION HISTORY

Revision	Test Report No.	Date	Page Revised Contents
- (Original)	16037257S-C	October 27, 2025	-
1	16037257S-C-R1	December 9, 2025	Update of Remarks on the cover page and the table in 4.1: From "Appendix" to "Appendix 4" Addition of "Supplied with the EUT when marketed" to Remarks of Cable No.1 and 3 in 4.2
2	16037257S-C-R2	December 12, 2025	Update of Appendix 4

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	7
SECTION 4: Operation of EUT during testing	9
SECTION 5: Conducted Emission.....	11
SECTION 6: Radiated Spurious Emission.....	12
APPENDIX 1: Test Data	15
Conducted Emission	15
Radiated Spurious Emission.....	21
APPENDIX 2: Test Instruments	48
APPENDIX 3: Photographs of Test Setup	50
Conducted Emission	50
Radiated Spurious Emission.....	51
Worst Case Position	52
APPENDIX 4: Test report for Wireless LAN/Bluetooth Combo Module.....	53

SECTION 1: Customer Information

Company Name	Canon Inc.
Address	30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501 Japan
Telephone Number	+81-3-5482-8070
Contact Person	Sho Tanaka

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	Digital Camera
Model Number	DS126933
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	May 9, 2025
Test Date	May 23 to June 4, 2025

2.2 Product Description

General Specification

Rating	DC 7.2 V (Li-ion Battery) DC 9 V / 15 V (AC Adapter [USB PD]) DC 10 V (DC Coupler)
Operating temperature	0 deg. C to +40 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.

Wireless LAN Bluetooth Combo Module	ES204
-------------------------------------	-------

WLAN (IEEE802.11b/11g/11n-20/n-40)

Equipment Type	Transceiver	
Frequency of Operation	20 MHz Band	2412 MHz to 2462 MHz
	40 MHz Band	2422 MHz to 2452 MHz
Type of Modulation	DSSS, OFDM	
Antenna Type	Printed on the PCB	
Antenna Gain ^{a)} : G _{ANT}	2.98 dBi (*including cable loss)	

WLAN (IEEE802.11a/11n-20/11ac-20/11n-40/11ac-40/11ac-80)

Equipment Type	Transceiver	
Frequency of Operation	20 MHz Band:	5180 MHz to 5240 MHz 5260 MHz to 5320 MHz 5500 MHz to 5700 MHz 5745 MHz to 5825 MHz
	40 MHz Band:	5190 MHz to 5230 MHz 5270 MHz to 5310 MHz 5510 MHz to 5670 MHz 5755 MHz to 5795 MHz
	80 MHz Band:	5210 MHz 5290 MHz 5530 MHz to 5610 MHz 5775 MHz
Type of Modulation	OFDM	
Antenna Gain ^{a)}	4.94 dBi	

(*excluding 5600 to 5650 MHz)

Bluetooth (Low Energy)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	GFSK
Antenna Gain ^{a)}	2.98 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 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 8.8	Complied	-
Spurious Emission Restricted Band Edges	FCC: Section 15.247(d) ISED: RSS-247 6.6 RSS-Gen 8.9 RSS-Gen 8.10	Complied	Radiated

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

FCC Part 15.31 (e)

This EUT provides stable voltage constantly to RF part regardless of input voltage.
Therefore, this EUT complies with the requirement.

FCC Part 15.203 Antenna requirement

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT.
Therefore, the equipment complies with the antenna requirement of Section 15.203.

3.4 Addition to Standard

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	3.0 dB
Radiated Emission (Measurement distance: 3 m)	9 kHz to 30 MHz	3.3 dB
	30 MHz to 200 MHz	4.8 dB
	200 MHz to 1 GHz	6.1 dB
	1 GHz to 6 GHz	4.7 dB
	6 GHz to 18 GHz	5.3 dB
	18 GHz to 40 GHz	5.5 dB
Radiated Emission (Measurement distance: 1 m)	1 GHz to 18 GHz	5.6 dB
	18 GHz to 40 GHz	5.8 dB

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

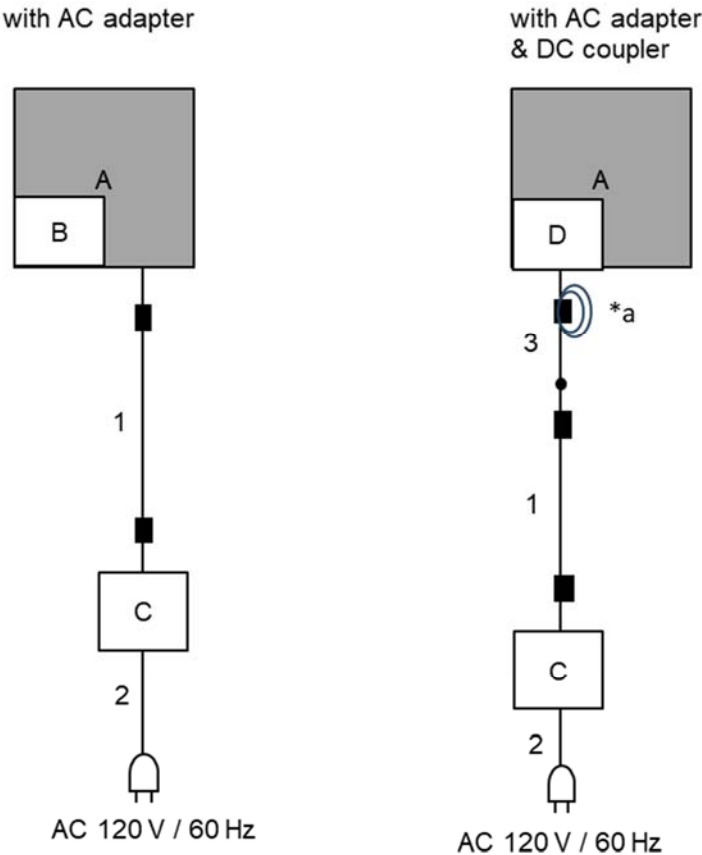
4.1 Operating Mode(s)

Mode	Remarks*
IEEE 802.11b (11b)	1 Mbps, PN9
IEEE 802.11g (11g)	54 Mbps, PN9
IEEE 802.11n 20 MHz BW (11n-20)	MCS 4, PN9
IEEE 802.11n 40 MHz BW (11n-40)	MCS 3, PN9
Bluetooth Low Energy (BT LE)	Uncoded 2M-PHY (2M), Maximum Packet Size, PRBS9
*Transmitting duty was 100 % on all tests. *The worst condition was determined based on the test result of Maximum Peak Output Power. (Refer to Appendix 4.) *Power of the EUT was set by the software as follows; Power Setting: 11b/11g : 10 dBm, 11n-20/11n-40 : 9 dBm BT LE : 5 dBm Software: RF Test Ver.3.3.0.001E(07) (Date: 2025.05.09, 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.	

*The Details of Operating Mode(s)

Test Item	Operating Mode	Tested Frequency
Conducted Emission, Radiated Spurious Emission (Below 1 GHz)	Tx 11g *1)	2412 MHz
	Tx BT LE 2M-PHY *1), Tx BT LE 2M-PHY + 11a 5180 MHz	2402 MHz
Radiated Spurious Emission (Above 1 GHz),	Tx 11b Tx 11g Tx 11n-20	2412 MHz 2462 MHz
	Tx 11n-40	2422 MHz 2452 MHz
	Tx BT LE 2M-PHY, Tx BT LE 2M-PHY + 11a 5180 MHz	2402 MHz
	*1) The mode was tested as a representative, because it had the highest power at antenna terminal test.	

4.2 Configuration and Peripherals



■ : Standard Ferrite Core

*a) Ferrite Core Model No. ZCAT2032-0930(Manufacture: TDK) 15 cm from Item D, 3 turns.

*Spurious Emission Restricted Band Edges were pre-checked, and measurements were performed at the condition with higher emission levels. Refer to Section 6.

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

Description of EUT and Support Equipment

No.	Item	Model number	Serial Number	Manufacturer	Remarks
A	Digital Camera	DS126933	256	Canon Inc.	EUT
B	Battery Pack	LP-E6P	-	Canon Inc.	-
C	USB Power Adapter	PD-E2	-	Canon Inc.	-
D	DC Coupler	DR-E6P	-	Canon Inc.	-

List of Cables Used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	USB	1.8	Shielded	Shielded	Supplied with the EUT when marketed
2	AC	1.9	Unshielded	Unshielded	-
3	USB	1.2	Shielded	Shielded	Supplied with the EUT when marketed

SECTION 5: Conducted Emission

Test Procedure and Conditions

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

The rear of tabletop was located 40 cm to the vertical conducting plane. The rear of EUT, including peripherals was aligned and flushed with rear of tabletop. All other surfaces of tabletop were at least 80cm from any other grounded conducting surface. EUT was located 80 cm from a Line Impedance Stabilization Network (LISN) / Artificial mains Network (AMN) and excess AC cable was bundled in center.

For the tests on EUT with other peripherals (as a whole system)

I/O cables that were connected to the peripherals were bundled in center. They were folded back and forth forming a bundle 30 cm to 40 cm long and were hanged at a 40 cm height to the ground plane. All unused 50ohm connectors of the LISN (AMN) were resistivity terminated in 50 ohm when not connected to the measuring equipment.

The AC Mains Terminal Continuous disturbance Voltage has been measured with the EUT in a Shielded room.

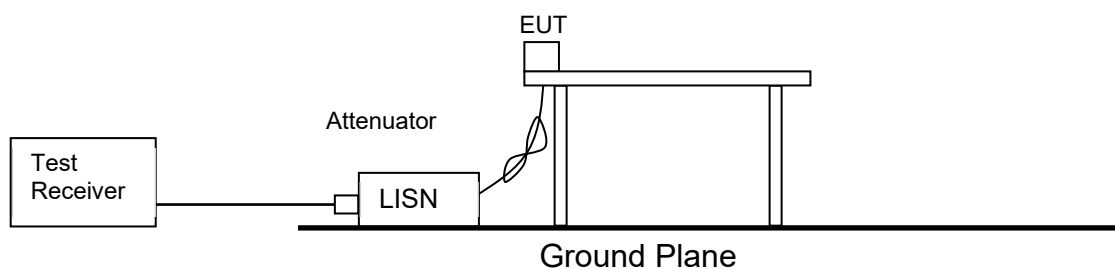
The EUT was connected to a LISN (AMN).

An overview sweep with peak detection has been performed.

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

Detector	: QP and CISPR AV
Measurement Range	: 0.15 MHz to 30 MHz
Test Data	: APPENDIX
Test Result	: Pass

Figure 1: Test Setup



SECTION 6: Radiated Spurious Emission

Test Procedure

It was measured based on "8.5 and 8.6 of KDB 558074 D01 15.247 Meas Guidance v05r02".

[For below 1 GHz]

EUT was placed on the platform of nominal size, 1.0 m by 1.5 m, raised 0.8 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with a ground plane.

[For above 1 GHz]

EUT was placed on the platform of nominal size, 0.5 m by 0.5 m, raised 1.5 m above the conducting ground plane. The Radiated Electric Field Strength has been measured in a Semi Anechoic Chamber with absorbent materials lined on a ground plane. 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;

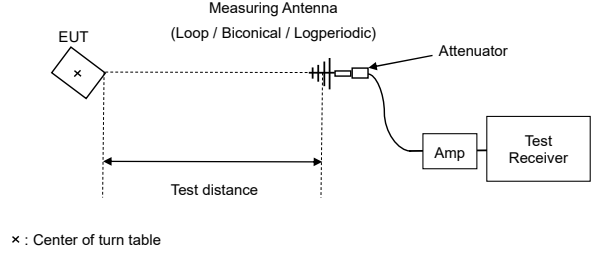
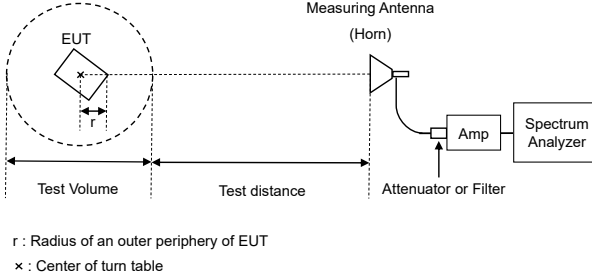
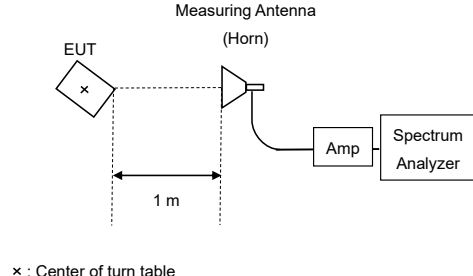
Frequency	30 MHz to 200 MHz	200 MHz to 1 GHz	Above 1 GHz
Antenna Type	Biconical	Logperiodic	Horn

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).

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	11.12.2.5.2 RBW: 1 MHz VBW: 3 MHz Detector: Power Averaging (RMS) Trace: 100 traces Duty factor was added to the results.	RBW: 100 kHz VBW: 300 kHz

Figure 2: Test Setup

Below 1 GHz	
 x : Center of turn table	Test Distance: 3 m
1 GHz to 10 GHz	
 r : Radius of an outer periphery of EUT x : Center of turn table	[1 GHz to 10 GHz] Distance Factor: $20 \times \log (3.93 \text{ m}^* / 3.0 \text{ m}) = 2.35 \text{ dB}$ *(Test Distance + SVSWR Volume / 2) - r = 3.93 m Test Distance: 3 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	
 x : Center of turn table	Distance Factor: $20 \times \log (1.0 \text{ m} / 3.0 \text{ m}) = -9.54 \text{ dB}$ *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

Antenna polarization	Carrier	Spurious (30 MHz to 1 GHz)	Spurious (1 GHz to 2.8 GHz)	Spurious (2.8 GHz to 10 GHz)	Spurious (10 GHz to 18 GHz)	Spurious (18 GHz to 26.5 GHz)
Horizontal	Y 180 deg. *DC	X 0 deg *DC	Y 180 deg. *DC	Y 180 deg. *DC	X 180 deg. *DC	X 180 deg. *DC
Vertical	X 180 deg. *DC	Y 0 deg *DC	X 180 deg. *DC	Z 180 deg. *DC	X 180 deg. *DC	X 180 deg. *DC

BT LE

Antenna polarization	Carrier	Spurious (30 MHz to 1 GHz)	Spurious (1 GHz to 2.8 GHz)	Spurious (2.8 GHz to 10 GHz)	Spurious (10 GHz to 18 GHz)	Spurious (18 GHz to 26.5 GHz)
Horizontal	Y 180 deg. *DC	X 0 deg *DC	Y 180 deg. *DC	Y 180 deg. *DC	X 180 deg. *DC	X 180 deg. *DC
Vertical	X 180 deg. *DC	Y 0 deg *DC	X 180 deg. *DC	X 180 deg. *DC	X 180 deg. *DC	X 180 deg. *DC

*AC: with AC adapter

*DC: with AC adapter & DC coupler

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

Measurement Range : 30 MHz to 26.5 GHz

Test Data : APPENDIX

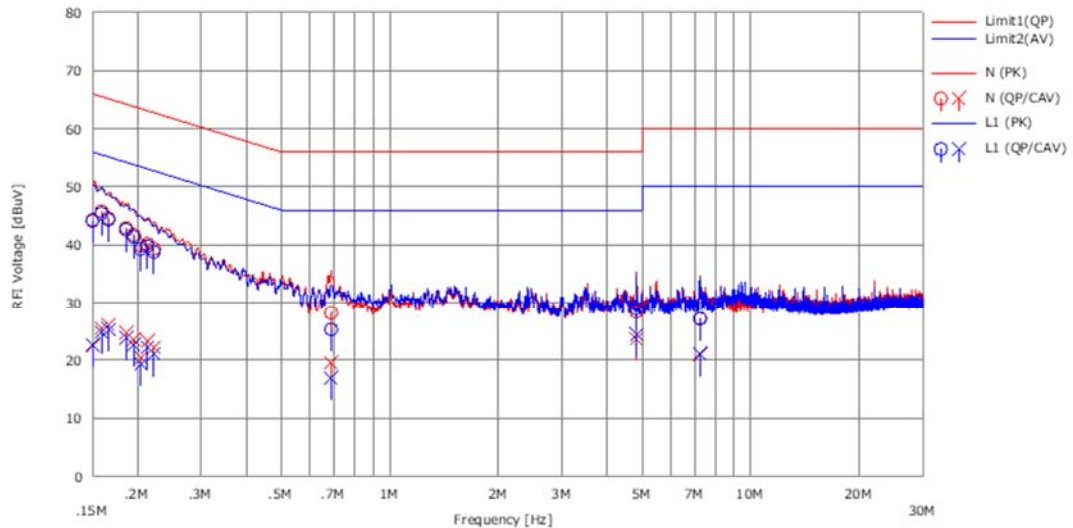
Test Result : Pass

APPENDIX 1: Test Data

Conducted Emission

Mode	Tx 11g 2412 MHz with AC adapter			
Date	Test site	Temperature	Humidity	Engineer
June 4, 2025	SR3	25 deg. C	53 % RH	Takayuki Kobayashi

Limit : FCC_Part 15 subpart C(15.207)



No.	Freq. [MHz]	Reading		C.Fac	Results		Limit		Margin		Phase	Comment
		(QP) [dBuV]	(CAV) [dBuV]		(QP) [dBuV]	(CAV) [dBuV]	(QP) [dBuV]	(AV) [dBuV]	(QP) [dB]	(AV) [dB]		
1	0.15000	28.70	7.12	15.40	44.10	22.52	66.00	56.00	21.9	33.4	II	
2	0.15900	30.37	10.08	15.40	45.77	25.48	65.52	55.52	19.7	30.0	II	
3	0.16621	29.21	10.70	15.40	44.61	26.10	65.15	55.15	20.5	29.0	II	
4	0.18586	27.50	9.31	15.41	42.91	24.72	64.22	54.22	21.3	29.5	II	
5	0.19518	26.31	8.08	15.41	41.72	23.49	63.81	53.81	22.0	30.3	II	
6	0.20392	24.45	5.03	15.41	39.86	20.44	63.45	53.45	23.5	33.0	II	
7	0.21286	24.73	7.97	15.42	40.15	23.39	63.09	53.09	22.9	29.7	II	
8	0.22197	23.86	6.79	15.42	39.28	22.21	62.74	52.74	23.4	30.5	II	
9	0.68753	12.74	4.09	15.45	28.19	19.54	56.00	46.00	27.8	26.4	II	
10	4.82258	12.73	8.01	15.68	28.41	23.69	56.00	46.00	27.5	22.3	II	
11	7.23910	11.32	5.19	15.76	27.10	20.97	60.00	50.00	32.9	29.0	II	
12	0.15000	28.88	7.24	15.40	44.28	22.64	66.00	56.00	21.7	33.3	LI	
13	0.15900	30.01	9.45	15.41	45.42	24.86	65.52	55.52	20.1	30.6	LI	
14	0.16621	28.90	9.86	15.42	44.32	25.28	65.15	55.15	20.8	29.8	LI	
15	0.18586	27.20	8.39	15.41	42.61	23.80	64.22	54.22	21.6	30.4	LI	
16	0.19518	25.98	7.20	15.40	41.38	22.60	63.81	53.81	22.4	31.2	LI	
17	0.20392	23.93	3.94	15.39	39.32	19.33	63.45	53.45	24.1	34.1	LI	
18	0.21286	24.35	6.75	15.41	39.76	22.16	63.09	53.09	23.3	30.9	LI	
19	0.22197	23.37	5.64	15.41	38.78	21.05	62.74	52.74	23.9	31.6	LI	
20	0.68753	9.84	1.47	15.45	25.29	16.92	56.00	46.00	30.7	29.0	LI	
21	4.82258	13.22	8.74	15.67	28.89	24.41	56.00	46.00	27.1	21.5	LI	
22	7.23910	11.47	5.34	15.76	27.23	21.10	60.00	50.00	32.7	28.9	LI	

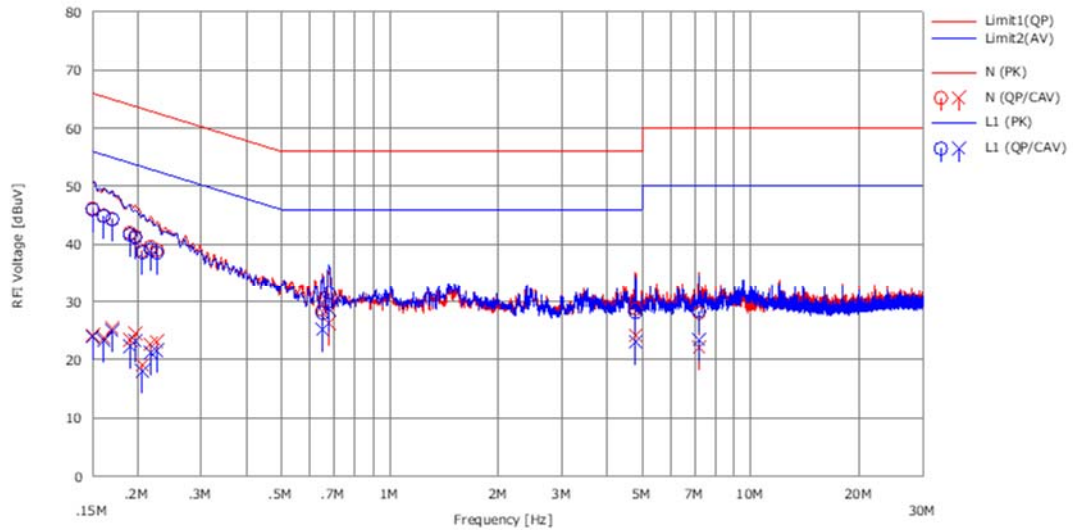
Calculation : Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN)+Cable+ATT)[dB]
LISN(AMN) : LIMS ID= 145542

Conducted Emission

Mode	Tx 11g 2412 MHz with DC coupler			
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Date	Test site	Temperature	Humidity	Engineer
June 4, 2025	SR3	25 deg. C	53 % RH	Takayuki Kobayashi

Limit : FCC_Part 15 subpart C(15.207)



No.	Freq. [MHz]	Reading		C.Fac	Results		Limit		Margin		Phase	Comment
		<OP>	<CAV>		<OP>	<CAV>	<OP>	<AV>	<OP>	<AV>		
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
1	0.15000	30.74	8.80	15.40	46.14	24.20	66.00	56.00	19.8	31.8	II	
2	0.16124	29.53	8.40	15.40	44.93	23.80	65.40	55.40	20.4	31.6	II	
3	0.17024	28.97	10.07	15.40	44.37	25.47	64.95	54.95	20.5	29.4	II	
4	0.19049	26.53	7.97	15.41	41.94	23.38	64.02	54.02	22.0	30.6	II	
5	0.19723	25.97	9.03	15.41	41.38	24.44	63.73	53.73	22.3	29.2	II	
6	0.20623	23.49	3.60	15.41	38.90	19.01	63.36	53.36	24.4	34.3	II	
7	0.21748	24.16	7.23	15.42	39.58	22.65	62.91	52.91	23.3	30.2	II	
8	0.22647	23.52	7.68	15.41	38.93	23.09	62.58	52.58	23.6	29.4	II	
9	0.65155	13.07	9.72	15.45	28.52	25.17	56.00	46.00	27.4	20.8	II	
10	0.67800	14.00	10.78	15.45	29.45	26.23	56.00	46.00	26.5	19.7	II	
11	4.79795	13.04	8.43	15.68	28.72	24.11	56.00	46.00	27.2	21.8	II	
12	7.18500	12.27	6.35	15.76	28.05	22.13	60.00	50.00	31.9	27.8	II	
13	0.15000	30.58	8.51	15.40	45.98	23.91	66.00	56.00	20.0	32.0	L1	
14	0.16124	29.39	7.95	15.42	44.81	23.37	65.40	55.40	20.5	32.0	L1	
15	0.17024	28.84	9.57	15.43	44.27	25.00	64.95	54.95	20.6	29.9	L1	
16	0.19049	26.27	6.89	15.40	41.67	22.29	64.02	54.02	22.3	31.7	L1	
17	0.19723	25.79	7.86	15.39	41.18	23.25	63.73	53.73	22.5	30.4	L1	
18	0.20623	23.19	2.65	15.39	38.58	18.04	63.36	53.36	24.7	35.3	L1	
19	0.21748	23.76	5.71	15.41	39.17	21.12	62.91	52.91	23.7	31.7	L1	
20	0.22647	23.10	6.13	15.42	38.52	21.55	62.58	52.58	24.0	31.0	L1	
21	0.65155	12.55	9.75	15.45	28.00	25.20	56.00	46.00	28.0	20.8	L1	
22	0.67800	15.98	13.25	15.45	31.43	28.70	56.00	46.00	24.5	17.3	L1	
23	4.79795	12.49	7.41	15.67	28.16	23.08	56.00	46.00	27.8	22.9	L1	
24	7.18500	12.63	7.71	15.76	28.39	23.47	60.00	50.00	31.6	26.5	L1	

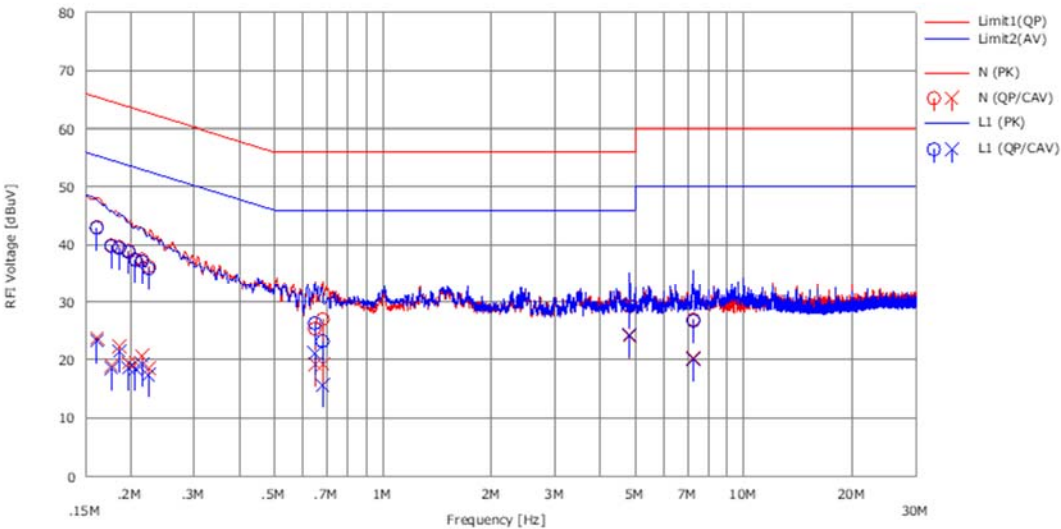
Calculation : Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN))+Cable+ATT[dB]
LISN(AMN) : LIMS ID= 145542

Conducted Emission

Mode	Tx BT LE 2M-PHY 2402 MHz with AC adapter			
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Date	Test site	Temperature	Humidity	Engineer
June 4, 2025	SR3	25 deg. C	53 % RH	Takayuki Kobayashi

Limit : FCC_Part 15 subpart C(15.207)



No.	Freq. [MHz]	Reading		C.Fac	Results		Limit		Margin		Phase	Comment
		(QP)	(CAV)		(QP)	(CAV)	(QP)	(AV)	(QP)	(AV)		
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
1	0.16127	27.64	8.28	15.40	43.04	23.68	65.40	55.40	22.3	31.7	II	
2	0.17697	24.49	3.62	15.40	39.89	19.02	64.63	54.63	24.7	35.6	II	
3	0.18599	24.18	6.87	15.41	39.59	22.28	64.21	54.21	24.6	31.9	II	
4	0.19727	23.53	4.02	15.41	38.94	19.43	63.72	53.72	24.7	34.2	II	
5	0.20625	22.09	4.08	15.41	37.50	19.49	63.35	53.35	25.8	33.8	II	
6	0.21519	22.03	5.23	15.42	37.45	20.65	63.00	53.00	25.5	32.3	II	
7	0.22456	20.83	3.09	15.42	36.25	18.51	62.65	52.65	26.4	34.1	II	
8	0.64838	9.90	3.80	15.45	25.35	19.25	56.00	46.00	30.6	26.7	II	
9	0.68079	11.52	3.77	15.45	26.97	19.22	56.00	46.00	29.0	26.7	II	
10	4.82933	13.51	8.44	15.68	29.19	24.12	56.00	46.00	26.8	21.8	II	
11	7.24789	11.16	4.50	15.78	26.94	20.28	60.00	50.00	33.0	29.7	II	
12	0.16127	27.51	7.84	15.42	42.93	23.26	65.40	55.40	22.4	32.1	LI	
13	0.17697	24.35	3.19	15.42	39.77	18.61	64.63	54.63	24.8	36.0	LI	
14	0.18599	24.01	6.10	15.41	39.42	21.51	64.21	54.21	24.7	32.7	LI	
15	0.19727	23.38	3.19	15.39	38.77	18.58	63.72	53.72	24.9	35.1	LI	
16	0.20625	21.93	3.14	15.39	37.32	18.53	63.35	53.35	26.0	34.8	LI	
17	0.21519	21.70	3.83	15.41	37.11	19.24	63.00	53.00	25.8	33.7	LI	
18	0.22456	20.46	1.96	15.41	35.87	17.37	62.65	52.65	26.7	35.2	LI	
19	0.64838	10.85	5.73	15.45	26.30	21.18	56.00	46.00	29.7	24.8	LI	
20	0.68079	7.75	0.21	15.45	23.20	15.66	56.00	46.00	32.8	30.3	LI	
21	4.82933	13.64	8.60	15.67	29.31	24.27	56.00	46.00	26.6	21.7	LI	
22	7.24789	10.96	4.33	15.76	26.72	20.09	60.00	50.00	33.2	29.9	LI	

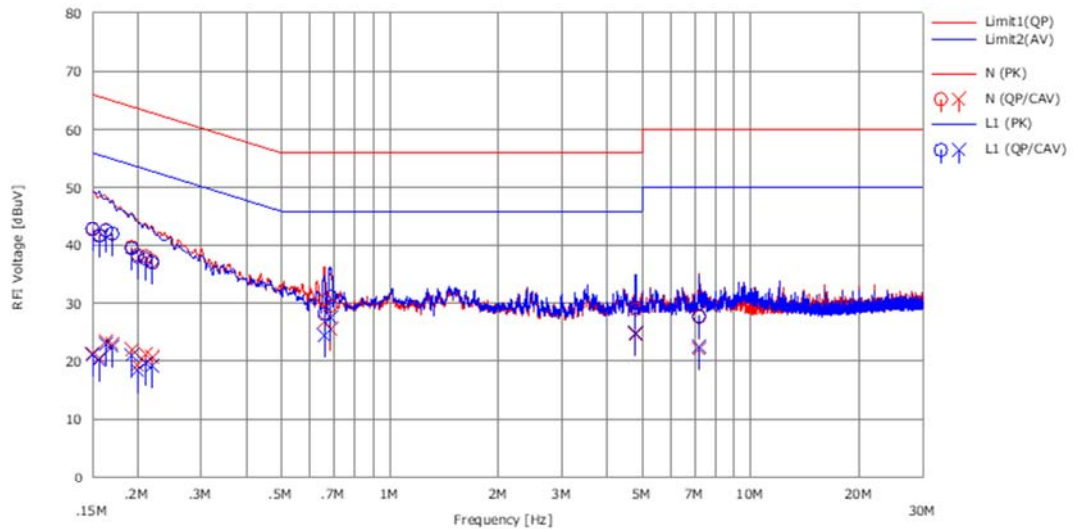
Calculation : Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN)+Cable+ATT)[dB]
LISN(AMN) : LIMS ID= 145542

Conducted Emission

Mode	Tx BT LE 2M-PHY 2402 MHz with DC coupler			
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Date	Test site	Temperature	Humidity	Engineer
June 4, 2025	SR3	25 deg. C	53 % RH	Takayuki Kobayashi

Limit : FCC_Part 15 subpart C(15.207)



No.	Freq. [MHz]	Reading		C.Fac	Results		Limit		Margin		Phase	Comment
		(QP)	(CAV)		(QP)	(CAV)	(QP)	(AV)	(QP)	(AV)		
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
1	0.15000	27.43	5.91	15.40	42.83	21.31	66.00	56.00	23.1	34.6	II	
2	0.15675	26.30	5.14	15.40	41.70	20.54	65.63	55.63	23.9	35.0	II	
3	0.16349	27.16	7.99	15.40	42.56	23.39	65.28	55.28	22.7	31.8	II	
4	0.17024	26.60	7.59	15.40	42.00	22.99	64.95	54.95	22.9	31.9	II	
5	0.19273	24.24	6.58	15.41	39.65	21.99	63.92	53.92	24.2	31.9	II	
6	0.19986	22.90	3.89	15.41	38.31	19.30	63.62	53.62	25.3	34.3	II	
7	0.21073	22.60	5.82	15.42	38.02	21.24	63.18	53.18	25.1	31.9	II	
8	0.21972	21.88	5.29	15.42	37.30	20.71	62.83	52.83	25.5	32.1	II	
9	0.65830	15.06	11.50	15.45	30.51	26.95	56.00	46.00	25.4	19.0	II	
10	0.68529	14.09	10.11	15.45	29.54	25.56	56.00	46.00	26.4	20.4	II	
11	4.79791	13.28	8.99	15.68	28.96	24.67	56.00	46.00	27.0	21.3	II	
12	7.19139	11.86	6.38	15.78	27.64	22.16	60.00	50.00	32.3	27.8	II	
13	0.15000	27.31	5.77	15.40	42.71	21.17	66.00	56.00	23.2	34.8	LI	
14	0.15675	26.18	4.80	15.41	41.59	20.21	65.63	55.63	24.0	35.4	LI	
15	0.16349	27.07	7.51	15.42	42.49	22.93	65.28	55.28	22.7	32.3	LI	
16	0.17024	26.54	7.19	15.43	41.97	22.62	64.95	54.95	22.9	32.3	LI	
17	0.19273	24.01	5.63	15.40	39.41	21.03	63.92	53.92	24.5	32.8	LI	
18	0.19986	22.62	3.03	15.39	38.01	18.42	63.62	53.62	25.6	35.2	LI	
19	0.21073	22.23	4.26	15.41	37.64	19.67	63.18	53.18	25.5	33.5	LI	
20	0.21972	21.53	3.84	15.41	36.94	19.25	62.83	52.83	25.8	33.5	LI	
21	0.65830	12.69	8.99	15.45	28.14	24.44	56.00	46.00	27.8	21.5	LI	
22	0.68529	15.71	12.09	15.45	31.16	27.54	56.00	46.00	24.8	18.4	LI	
23	4.79791	13.61	9.21	15.67	29.28	24.88	56.00	46.00	26.7	21.1	LI	
24	7.19139	12.01	6.74	15.76	27.77	22.50	60.00	50.00	32.2	27.5	LI	

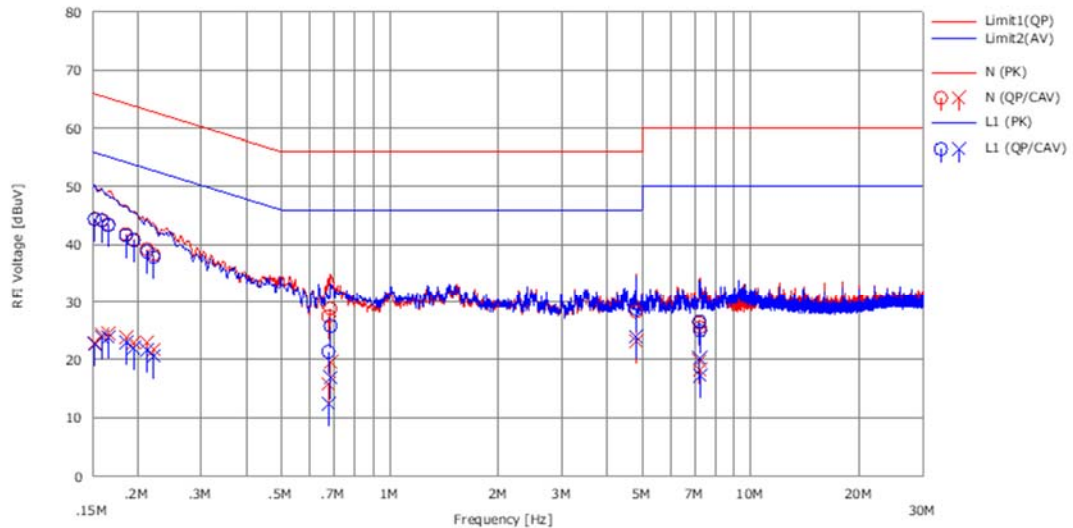
Calculation : Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN)+Cable+ATT)[dB]
LISN(AMN) : LIMS ID= 145542

Conducted Emission

Mode	Tx BT LE 2M-PHY 2402 MHz + Tx 11a 5180 MHz with AC adapter			
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Date	Test site	Temperature	Humidity	Engineer
June 4, 2025	SR3	25 deg. C	53 % RH	Takayuki Kobayashi

Limit : FCC_Part 15 subpart C(15.207)



No.	Freq. [MHz]	Reading		C.Fac	Results		Limit		Margin		Phase	Comment
		(QP) [dBuV]	(CAV) [dBuV]		(QP) [dBuV]	(CAV) [dBuV]	(QP) [dBuV]	(AV) [dBuV]	(QP) [dB]	(AV) [dB]		
1	0.15224	29.09	7.43	15.40	44.49	22.83	65.88	55.88	21.3	33.0	II	
2	0.15971	28.84	8.92	15.40	44.24	24.32	65.48	55.48	21.2	31.1	II	
3	0.16606	28.11	9.12	15.40	43.51	24.52	65.16	55.16	21.6	30.6	II	
4	0.18569	26.38	8.41	15.41	41.79	23.82	64.23	54.23	22.4	30.4	II	
5	0.19498	25.52	7.55	15.41	40.93	22.96	63.82	53.82	22.8	30.8	II	
6	0.21229	23.77	7.57	15.42	39.19	22.99	63.12	53.12	23.9	30.1	II	
7	0.22161	22.83	6.36	15.42	38.25	21.78	62.76	52.76	24.5	30.9	II	
8	0.67544	12.02	0.38	15.45	27.47	15.83	56.00	46.00	28.5	30.1	II	
9	0.68528	13.36	4.18	15.45	28.81	19.63	56.00	46.00	27.1	26.3	II	
10	4.81133	12.61	7.51	15.68	28.29	23.19	56.00	46.00	27.7	22.8	II	
11	7.21671	10.59	4.00	15.78	26.37	19.78	60.00	50.00	33.6	30.2	II	
12	7.23467	9.78	2.46	15.78	25.56	18.24	60.00	50.00	34.4	31.7	II	
13	0.15224	28.98	7.30	15.40	44.38	22.70	65.88	55.88	21.5	33.1	LI	
14	0.15971	28.71	8.49	15.41	44.12	23.90	65.48	55.48	21.3	31.5	LI	
15	0.16606	27.92	8.50	15.42	43.34	23.92	65.16	55.16	21.8	31.2	LI	
16	0.18569	26.17	7.54	15.41	41.58	22.95	64.23	54.23	22.6	31.2	LI	
17	0.19498	25.33	6.65	15.40	40.73	22.05	63.82	53.82	23.0	31.7	LI	
18	0.21229	23.37	6.18	15.41	38.78	21.59	63.12	53.12	24.3	31.5	LI	
19	0.22161	22.44	5.22	15.41	37.85	20.63	62.76	52.76	24.9	32.1	LI	
20	0.67544	5.90	-3.09	15.45	21.35	12.36	56.00	46.00	34.6	33.6	LI	
21	0.68528	10.36	1.47	15.45	25.81	16.92	56.00	46.00	30.1	29.0	LI	
22	4.81133	13.05	8.29	15.67	28.72	23.96	56.00	46.00	27.2	22.0	LI	
23	7.21671	10.84	4.54	15.76	26.60	20.30	60.00	50.00	33.4	29.7	LI	
24	7.23467	9.24	1.46	15.76	25.00	17.22	60.00	50.00	35.0	32.7	LI	

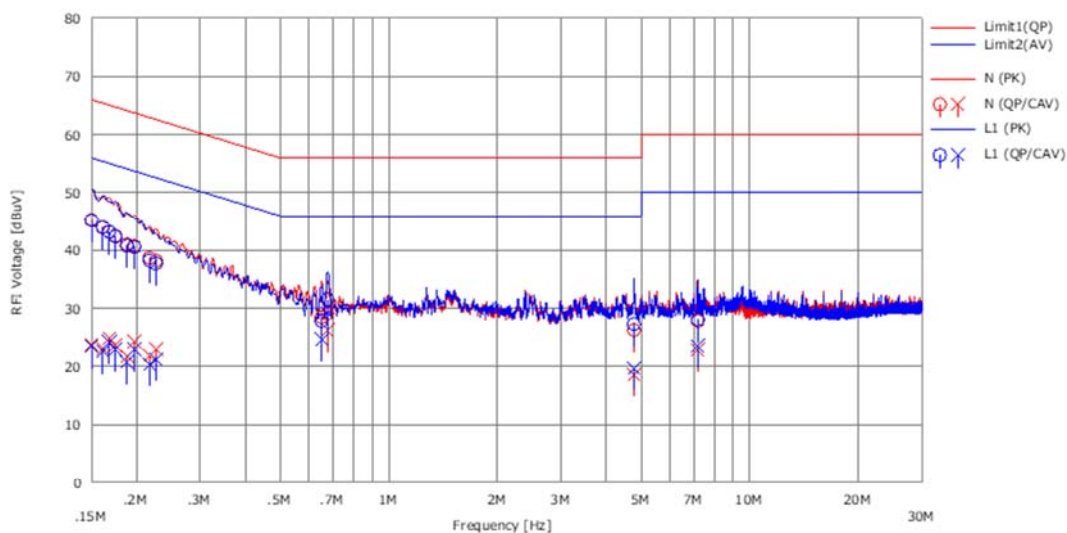
Calculation : Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN)+Cable+ATT)[dB]
LISN(AMN) : LIMS ID= 145542

Conducted Emission

Mode	Tx BT LE 2M-PHY 2402 MHz + Tx 11a 5180 MHz with DC coupler			
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Date	Test site	Temperature	Humidity	Engineer
June 4, 2025	SR3	25 deg. C	53 % RH	Takayuki Kobayashi

Limit : FCC_Part 15 subpart C(15.207)



No.	Freq. [MHz]	Reading		C.Fac	Results		Limit		Margin		Phase	Comment
		<OP>	<CAV>		<OP>	<CAV>	<OP>	<AV>	<OP>	<AV>		
		[dBuV]	[dBuV]		[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
1	0.15000	29.87	8.30	15.40	45.27	23.70	66.00	56.00	20.7	32.3	II	
2	0.16125	28.61	7.65	15.40	44.01	23.05	65.40	55.40	21.3	32.3	II	
3	0.16799	27.81	9.41	15.40	43.21	24.81	65.06	55.06	21.8	30.2	II	
4	0.17474	27.03	8.22	15.40	42.43	23.62	64.73	54.73	22.3	31.1	II	
5	0.18823	25.59	6.30	15.41	41.00	21.71	64.11	54.11	23.1	32.4	II	
6	0.19723	25.30	8.81	15.41	40.71	24.22	63.73	53.73	23.0	29.5	II	
7	0.21747	23.25	6.49	15.42	38.67	21.91	62.92	52.92	24.2	31.0	II	
8	0.22647	22.76	7.54	15.41	38.17	22.95	62.58	52.58	24.4	29.6	II	
9	0.65155	13.00	9.18	15.45	28.45	24.63	56.00	46.00	27.5	21.3	II	
10	0.67628	13.67	10.78	15.45	29.12	26.23	56.00	46.00	26.8	19.7	II	
11	4.77757	10.60	2.93	15.68	26.28	18.61	56.00	46.00	29.7	27.3	II	
12	7.17818	12.05	7.08	15.78	27.83	22.86	60.00	50.00	32.1	27.1	II	
13	0.15000	29.74	8.07	15.40	45.14	23.47	66.00	56.00	20.8	32.5	L1	
14	0.16125	28.49	7.21	15.42	43.91	22.63	65.40	55.40	21.4	32.7	L1	
15	0.16799	27.71	8.80	15.43	43.14	24.23	65.06	55.06	21.9	30.8	L1	
16	0.17474	26.92	7.60	15.42	42.34	23.02	64.73	54.73	22.3	31.7	L1	
17	0.18823	25.34	5.35	15.41	40.75	20.76	64.11	54.11	23.3	33.3	L1	
18	0.19723	25.13	7.54	15.39	40.52	22.93	63.73	53.73	23.2	30.8	L1	
19	0.21747	22.81	4.97	15.41	38.22	20.38	62.92	52.92	24.7	32.5	L1	
20	0.22647	22.28	5.86	15.42	37.70	21.28	62.58	52.58	24.8	31.3	L1	
21	0.65155	12.37	9.22	15.45	27.82	24.67	56.00	46.00	28.1	21.3	L1	
22	0.67628	16.06	13.72	15.45	31.51	29.17	56.00	46.00	24.4	16.8	L1	
23	4.77757	11.62	4.05	15.67	27.29	19.72	56.00	46.00	28.7	26.2	L1	
24	7.17818	12.31	7.74	15.76	28.07	23.50	60.00	50.00	31.9	26.5	L1	

Calculation : Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN)+Cable+ATT)[dB]
LISN(AMN) : LIMS ID= 145542

Radiated Spurious Emission

Mode	Tx 11b 2412 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2387.337	PK	48.31	27.55	-28.00	-	2.35	50.21	73.9	23.6	232	315	-
Hori.	2390.000	PK	48.09	27.56	-28.00	-	2.35	50.00	73.9	23.9	232	315	-
Hori.	2387.337	AV	37.24	27.55	-28.00	-	2.35	39.14	53.9	14.7	232	315	-
Hori.	2390.000	AV	36.86	27.56	-28.00	-	2.35	38.77	53.9	15.1	232	315	-
Vert.	2387.305	PK	48.12	27.55	-28.00	-	2.35	50.02	73.9	23.8	310	20	-
Vert.	2390.000	PK	47.75	27.56	-28.00	-	2.35	49.66	73.9	24.2	310	20	-
Vert.	2387.305	AV	36.23	27.55	-28.00	-	2.35	38.13	53.9	15.7	310	20	-
Vert.	2390.000	AV	35.97	27.56	-28.00	-	2.35	37.88	53.9	16.0	310	20	-

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	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2412.000	PK	89.27	27.59	-27.99	-	2.35	91.22	-	-	Carrier
Hori.	2396.998	PK	44.45	27.57	-27.99	-	2.35	46.38	71.2	24.8	-
Hori.	2400.000	PK	40.13	27.57	-27.99	-	2.35	42.06	71.2	29.1	-
Vert.	2412.000	PK	88.02	27.59	-27.99	-	2.35	89.97	-	-	Carrier
Vert.	2396.998	PK	43.23	27.57	-27.99	-	2.35	45.16	69.9	24.7	-
Vert.	2400.000	PK	40.42	27.57	-27.99	-	2.35	42.35	69.9	27.5	-

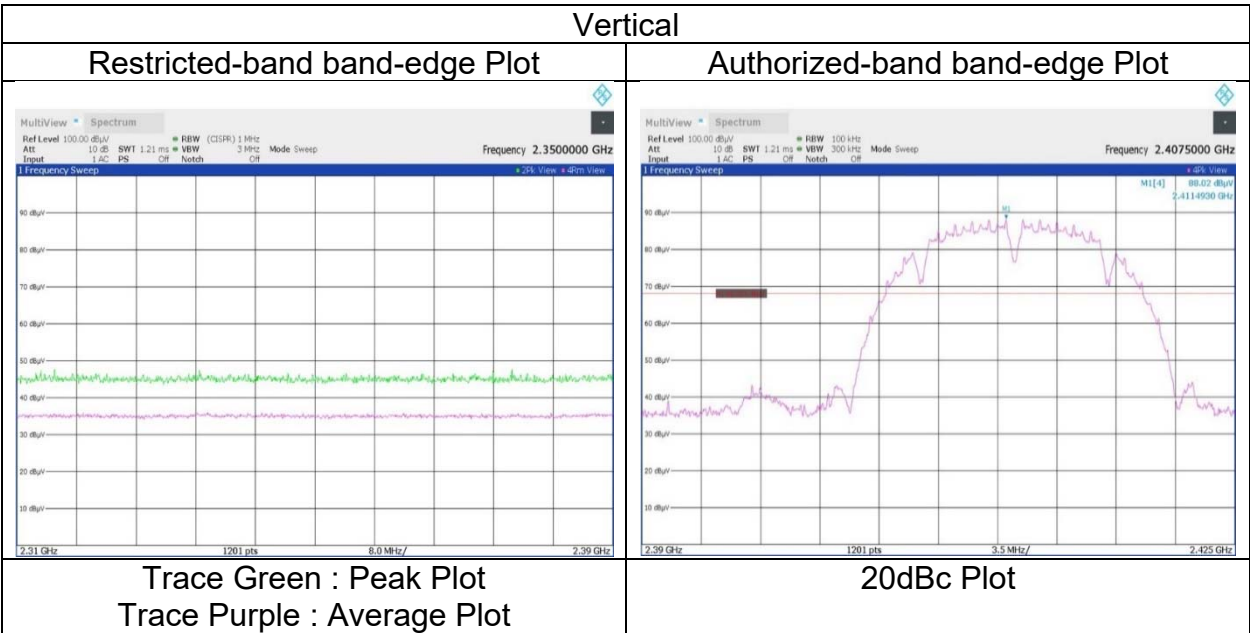
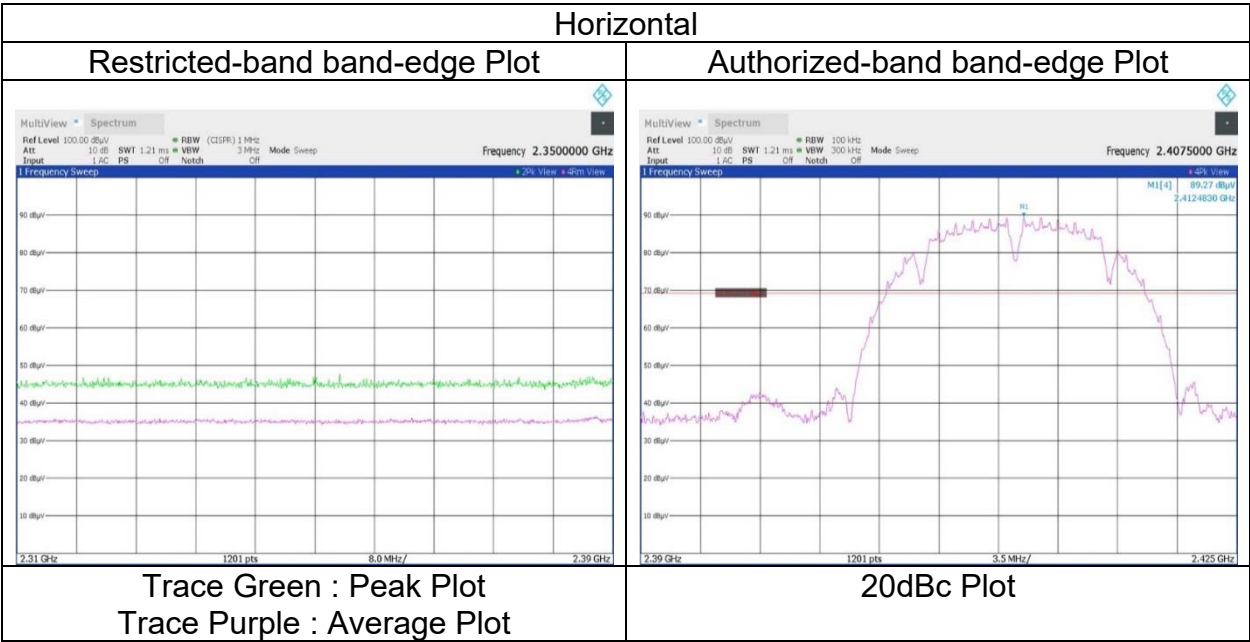
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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
(Reference Plot for band-edge)

Mode	Tx 11b 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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 and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11b 2462 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	47.81	27.65	-27.94	-	2.35	49.87	73.9	24.0	221	316	-
Hori.	2483.500	AV	36.65	27.65	-27.94	-	2.35	38.71	53.9	15.1	221	316	-
Vert.	2483.500	PK	47.50	27.65	-27.94	-	2.35	49.56	73.9	24.3	169	13	-
Vert.	2483.500	AV	36.46	27.65	-27.94	-	2.35	38.52	53.9	15.3	169	13	-

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.

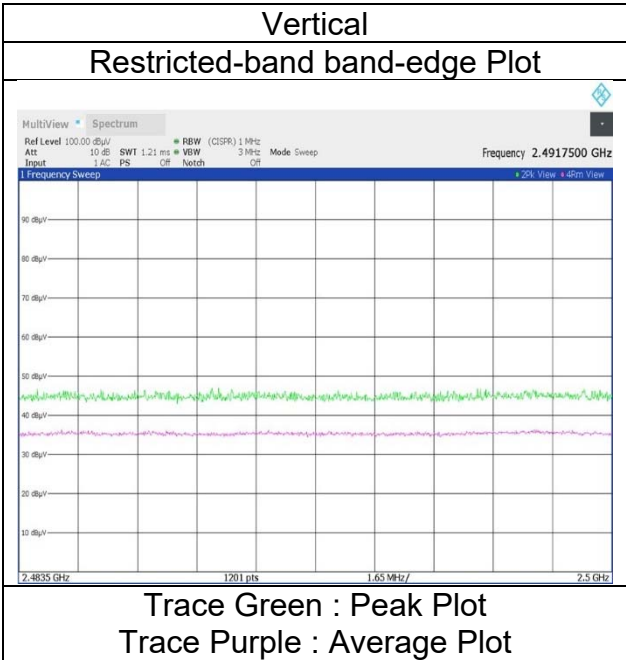
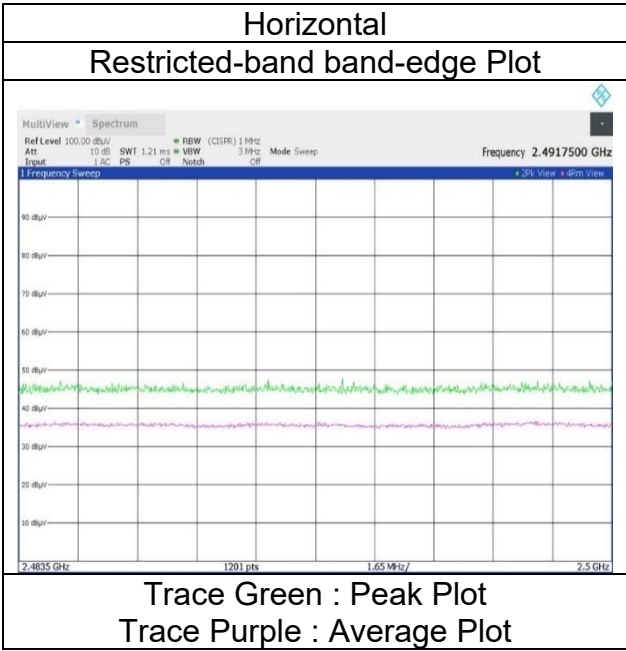
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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
(Reference Plot for band-edge)

Mode	Tx 11b 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz
May 28, 2025	WAC1	21 deg. C	58 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
May 31, 2025	WAC1	23 deg. C	58 % RH	Hiromasa Sato	10 GHz to 18 GHz
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Above 18 GHz
May 23, 2025	WAC1	22 deg. C	57 % RH	Miku Ikudome	Below 1 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.	214.205	QP	38.17	11.21	7.25	33.64	0.00	22.99	43.5	20.5	163	313	-
Hori.	272.559	QP	45.31	13.04	7.43	33.61	0.00	32.17	46.0	13.8	117	330	-
Hori.	336.985	QP	41.45	14.77	7.64	33.50	0.00	30.36	46.0	15.6	102	118	-
Hori.	545.128	QP	41.77	17.75	8.16	32.92	0.00	34.76	46.0	11.2	183	101	-
Hori.	2390.000	PK	52.30	27.56	-28.00	-	2.35	54.21	73.9	19.6	230	317	-
Hori.	3216.000	PK	57.63	28.17	-35.76	-	2.35	52.39	73.9	21.5	248	329	-
Hori.	4824.000	PK	48.86	31.62	-35.34	-	2.35	47.49	73.9	26.4	173	59	-
Hori.	7236.000	PK	47.43	35.98	-33.97	-	2.35	51.79	73.9	22.1	210	54	-
Hori.	9648.000	PK	45.91	37.55	-31.43	-	2.35	54.38	73.9	19.5	150	0	Floor Noise
Hori.	2390.000	AV	39.83	27.56	-28.00	-	2.35	41.74	53.9	12.1	230	317	-
Hori.	3216.000	AV	48.93	28.17	-35.76	-	2.35	43.69	53.9	10.2	248	329	-
Hori.	4824.000	AV	37.85	31.62	-35.34	-	2.35	36.48	53.9	17.4	173	59	-
Hori.	7236.000	AV	36.06	35.98	-33.97	-	2.35	40.42	53.9	13.4	210	54	-
Hori.	9648.000	AV	35.10	37.55	-31.43	-	2.35	43.57	53.9	10.3	150	0	Floor Noise
Vert.	214.198	QP	40.69	11.21	7.25	33.64	0.00	25.51	43.5	17.9	100	231	-
Vert.	259.712	QP	35.98	12.25	7.39	33.61	0.00	22.01	46.0	23.9	100	77	-
Vert.	330.161	QP	41.45	14.56	7.62	33.52	0.00	30.11	46.0	15.8	161	125	-
Vert.	543.349	QP	40.21	17.73	8.16	32.93	0.00	33.17	46.0	12.8	100	165	-
Vert.	2390.000	PK	51.89	27.56	-28.00	-	2.35	53.80	73.9	20.1	310	20	-
Vert.	3216.000	PK	55.43	28.17	-35.76	-	2.35	50.19	73.9	23.7	100	345	-
Vert.	4824.000	PK	48.71	31.62	-35.34	-	2.35	47.34	73.9	26.5	133	1	-
Vert.	7236.000	PK	47.58	35.98	-33.97	-	2.35	51.94	73.9	21.9	100	213	-
Vert.	9648.000	PK	46.19	37.55	-31.43	-	2.35	54.66	73.9	19.2	150	0	Floor Noise
Vert.	2390.000	AV	39.19	27.56	-28.00	-	2.35	41.10	53.9	12.8	310	20	-
Vert.	3216.000	AV	46.19	28.17	-35.76	-	2.35	40.95	53.9	12.9	100	345	-
Vert.	4824.000	AV	37.46	31.62	-35.34	-	2.35	36.09	53.9	17.8	133	1	-
Vert.	7236.000	AV	36.09	35.98	-33.97	-	2.35	40.45	53.9	13.4	100	213	-
Vert.	9648.000	AV	35.12	37.55	-31.43	-	2.35	43.59	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	88.10	27.59	-27.99	-	2.35	90.05	-	-	Carrier
Hori.	2399.479	PK	47.26	27.57	-27.99	-	2.35	49.19	70.0	20.8	-
Hori.	2400.000	PK	44.90	27.57	-27.99	-	2.35	46.83	70.0	23.1	-
Vert.	2412.000	PK	87.88	27.59	-27.99	-	2.35	89.83	-	-	Carrier
Vert.	2399.497	PK	46.81	27.57	-27.99	-	2.35	48.74	69.8	21.0	-
Vert.	2400.000	PK	44.29	27.57	-27.99	-	2.35	46.22	69.8	23.5	-

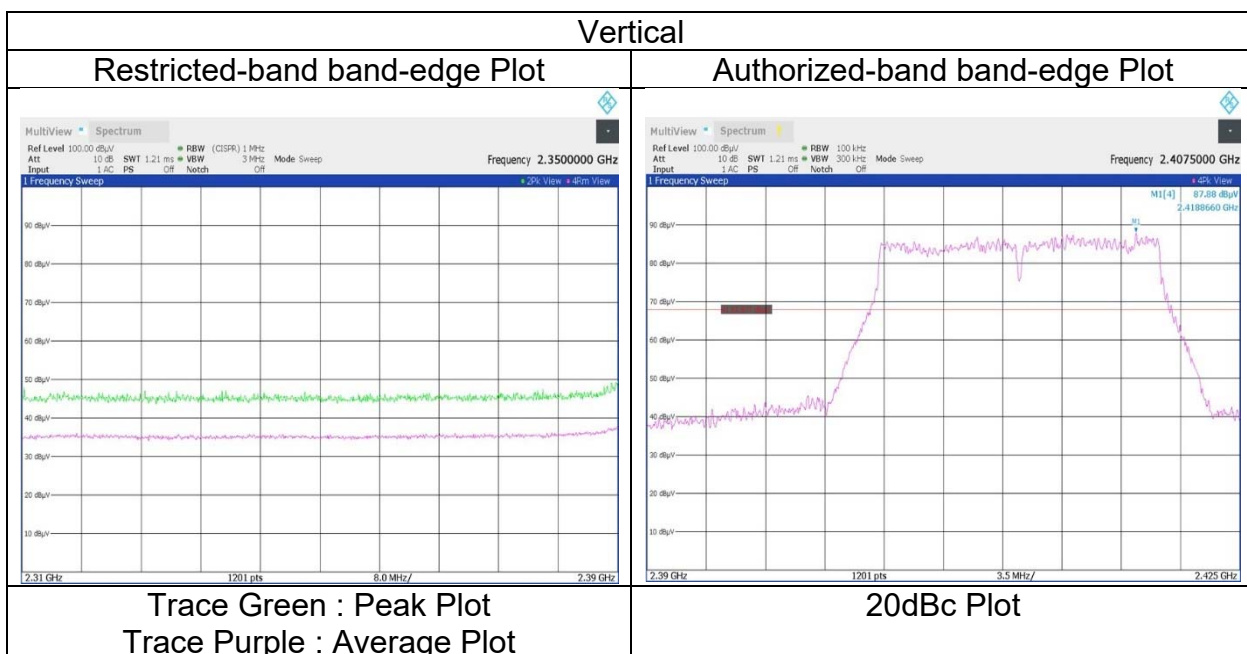
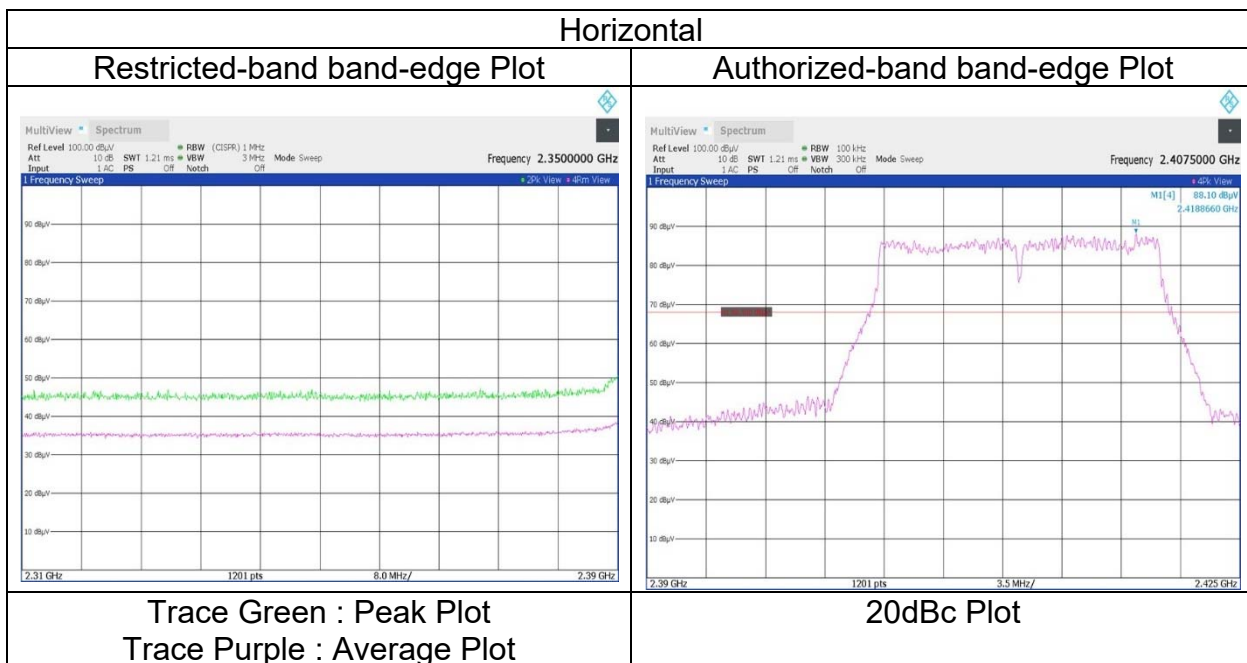
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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 (Reference Plot for band-edge)

Mode	Tx 11g 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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 and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11g 2462 MHz
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UL Japan, Inc. Shonan EMC Lab.

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 Japan / +81-463-50-6400

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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	49.89	27.65	-27.94	-	2.35	51.95	73.9	21.9	224	316	-
Hori.	2483.500	AV	38.41	27.65	-27.94	-	2.35	40.47	53.9	13.4	224	316	-
Vert.	2483.500	PK	50.73	27.65	-27.94	-	2.35	52.79	73.9	21.1	372	14	-
Vert.	2483.500	AV	38.61	27.65	-27.94	-	2.35	40.67	53.9	13.2	372	14	-

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.

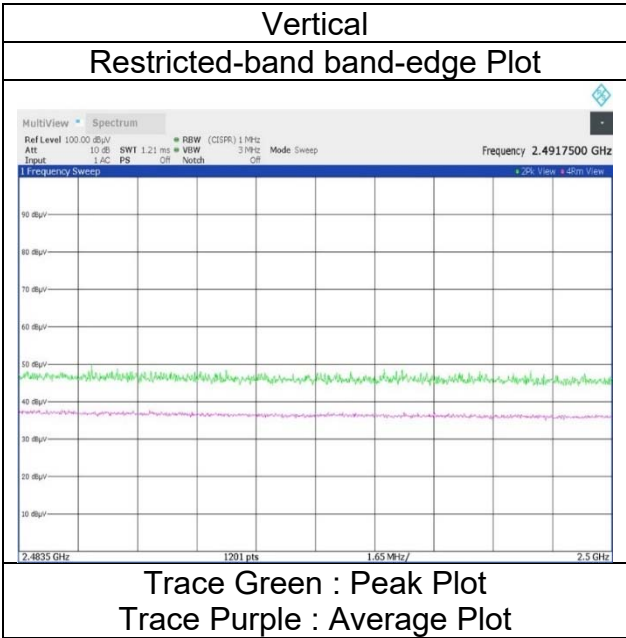
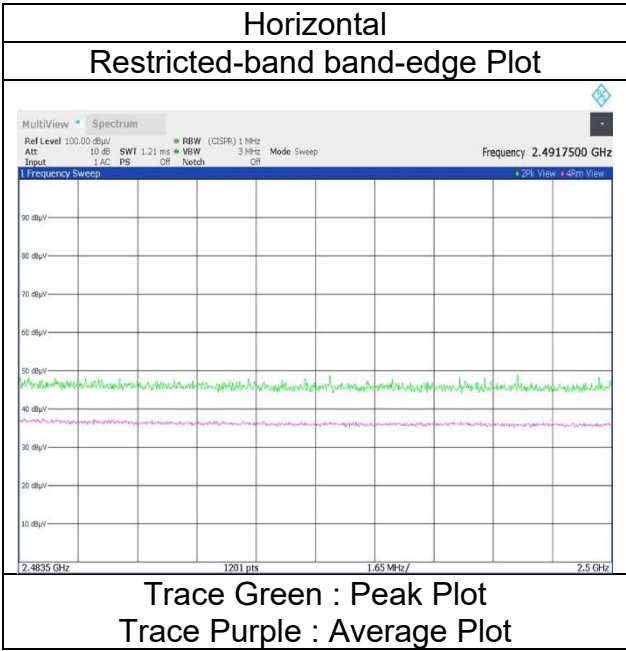
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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
(Reference Plot for band-edge)

Mode	Tx 11g 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2390.000	PK	52.08	27.56	-28.00	-	2.35	53.99	73.9	19.9	166	316	-
Hori.	2390.000	AV	39.21	27.56	-28.00	-	2.35	41.12	53.9	12.7	166	316	-
Vert.	2390.000	PK	52.14	27.56	-28.00	-	2.35	54.05	73.9	19.8	311	20	-
Vert.	2390.000	AV	39.17	27.56	-28.00	-	2.35	41.08	53.9	12.8	311	20	-

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	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2412.000	PK	85.82	27.59	-27.99	-	2.35	87.77	-	-	Carrier
Hori.	2397.910	PK	45.24	27.57	-27.99	-	2.35	47.17	67.7	20.5	-
Hori.	2400.000	PK	44.64	27.57	-27.99	-	2.35	46.57	67.7	21.1	-
Vert.	2412.000	PK	85.83	27.59	-27.99	-	2.35	87.78	-	-	Carrier
Vert.	2397.935	PK	45.86	27.57	-27.99	-	2.35	47.79	67.7	19.9	-
Vert.	2400.000	PK	45.48	27.57	-27.99	-	2.35	47.41	67.7	20.2	-

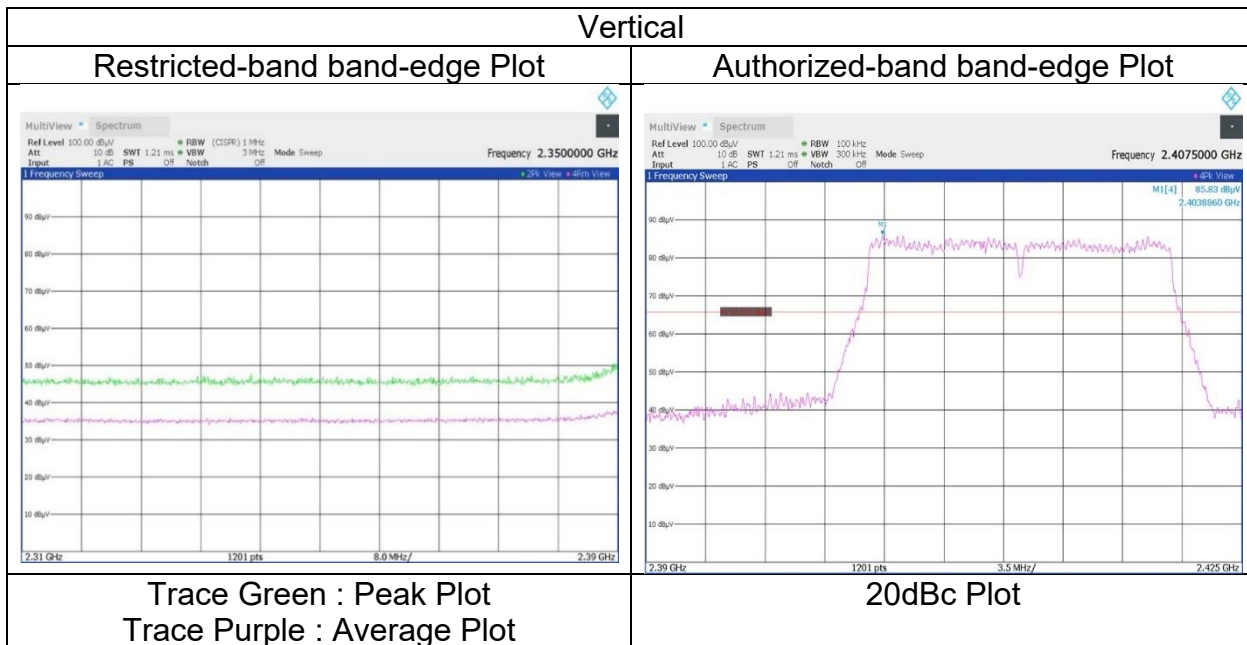
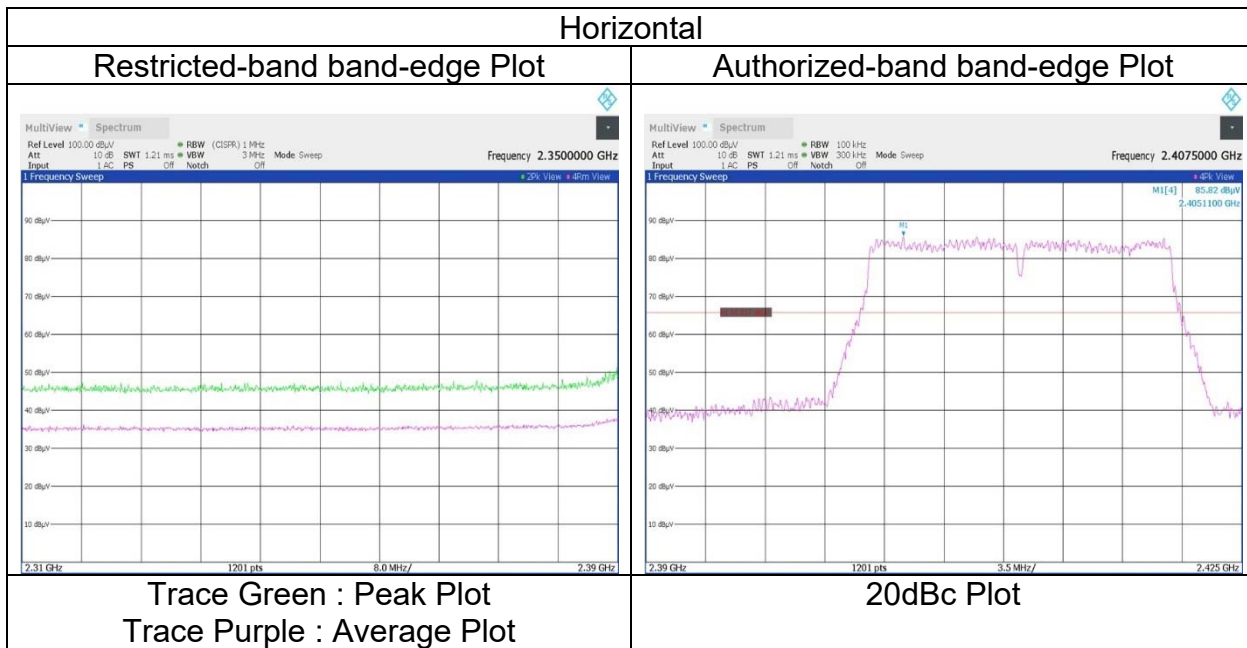
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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 (Reference Plot for band-edge)

Mode	Tx 11n-20 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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 and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-20 2462 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	49.62	27.65	-27.94	-	2.35	51.68	73.9	22.2	185	317	-
Hori.	2483.500	AV	38.32	27.65	-27.94	-	2.35	40.38	53.9	13.5	185	317	-
Vert.	2483.500	PK	49.67	27.65	-27.94	-	2.35	51.73	73.9	22.1	263	16	-
Vert.	2483.500	AV	37.45	27.65	-27.94	-	2.35	39.51	53.9	14.3	263	16	-

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.

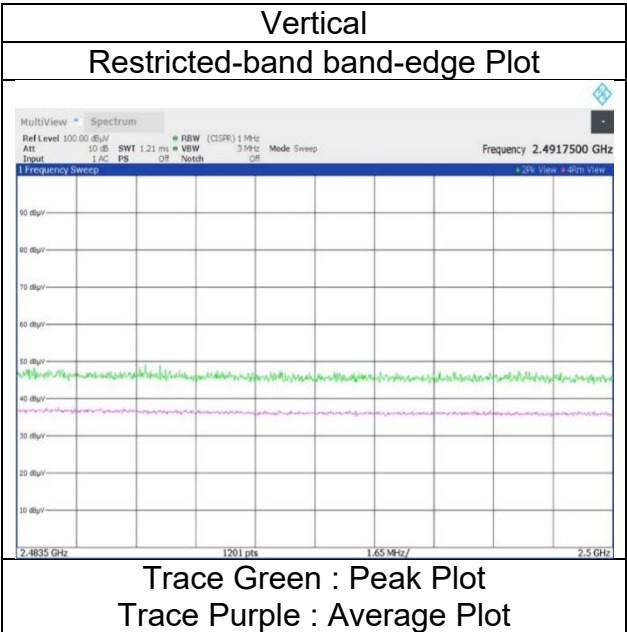
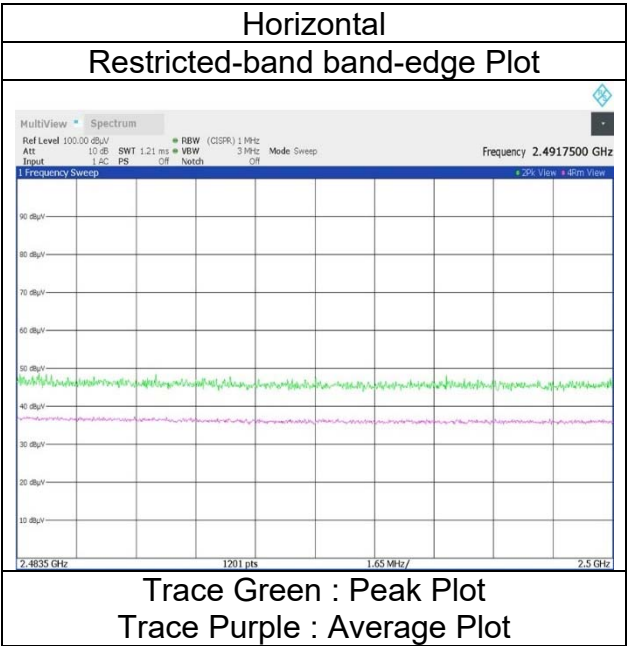
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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
(Reference Plot for band-edge)

Mode	Tx 11n-20 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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-40 2422 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2390.000	PK	50.92	27.56	-28.00	-	2.35	52.83	73.9	21.0	309	170	-
Hori.	2390.000	AV	39.36	27.56	-28.00	-	2.35	41.27	53.9	12.6	309	170	-
Vert.	2390.000	PK	52.63	27.56	-28.00	-	2.35	54.54	73.9	19.3	246	19	-
Vert.	2390.000	AV	40.56	27.56	-28.00	-	2.35	42.47	53.9	11.4	246	19	-

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	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2422.000	PK	80.61	27.61	-27.98	-	2.35	82.59	-	-	Carrier
Hori.	2399.298	PK	44.13	27.57	-27.99	-	2.35	46.06	62.5	16.4	-
Hori.	2400.000	PK	43.87	27.57	-27.99	-	2.35	45.80	62.5	16.7	-
Vert.	2422.000	PK	82.13	27.61	-27.98	-	2.35	84.11	-	-	Carrier
Vert.	2399.251	PK	45.07	27.57	-27.99	-	2.35	47.00	64.1	17.1	-
Vert.	2400.000	PK	44.50	27.57	-27.99	-	2.35	46.43	64.1	17.6	-

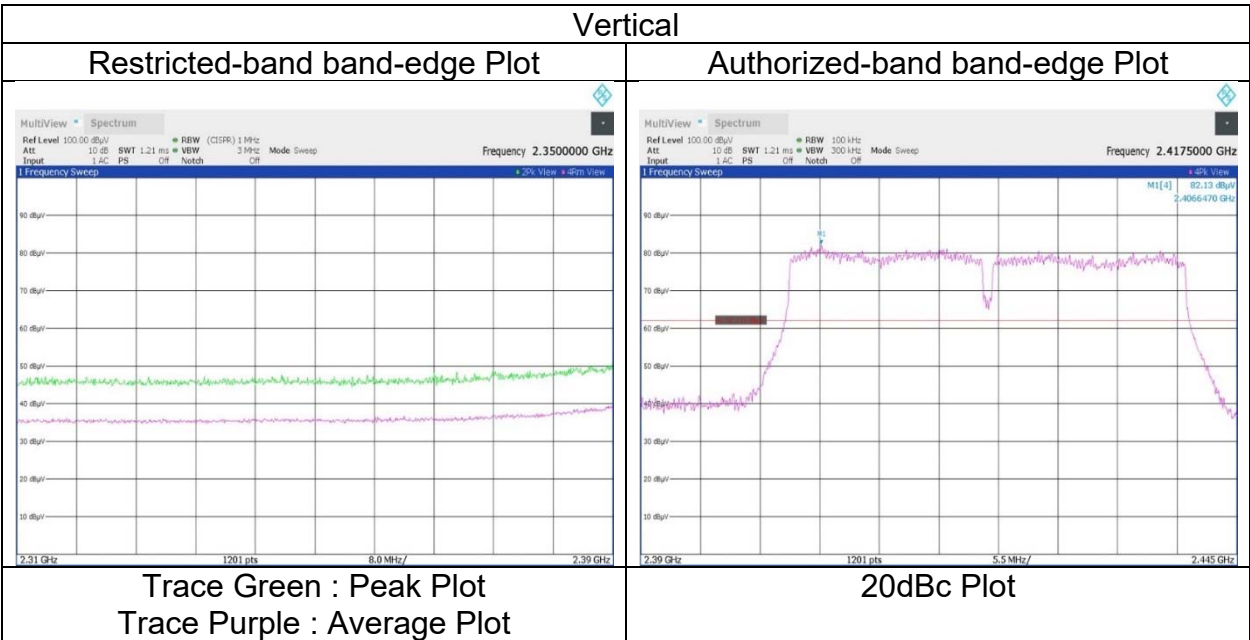
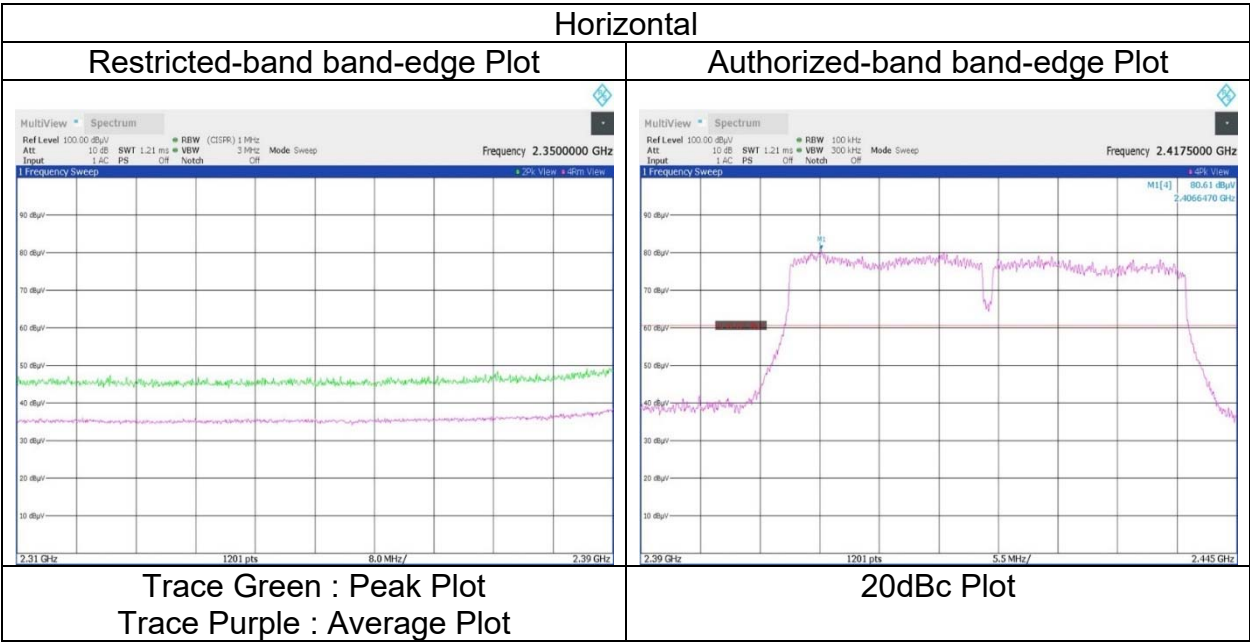
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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
(Reference Plot for band-edge)

Mode	Tx 11n-40 2422 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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 and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx 11n-40 2452 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	49.83	27.65	-27.94	-	2.35	51.89	73.9	22.0	190	314	-
Hori.	2483.500	AV	38.00	27.65	-27.94	-	2.35	40.06	53.9	13.8	190	314	-
Vert.	2483.500	PK	50.32	27.65	-27.94	-	2.35	52.38	73.9	21.5	228	22	-
Vert.	2483.500	AV	38.91	27.65	-27.94	-	2.35	40.97	53.9	12.9	228	22	-

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.

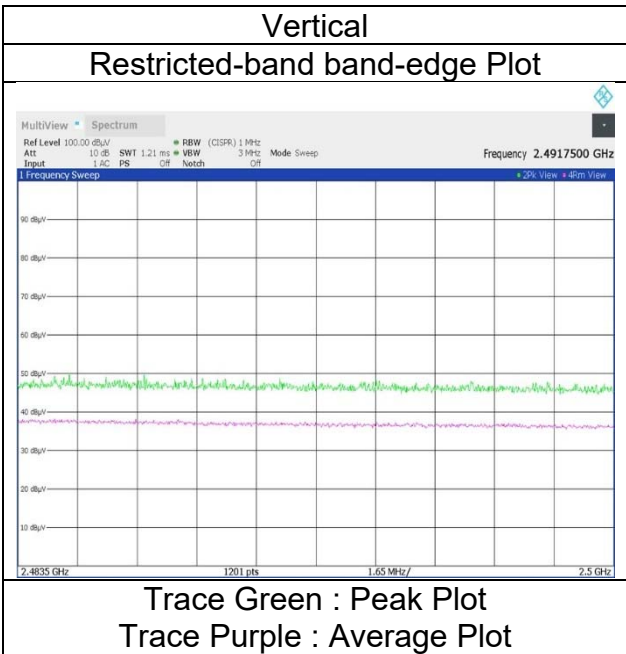
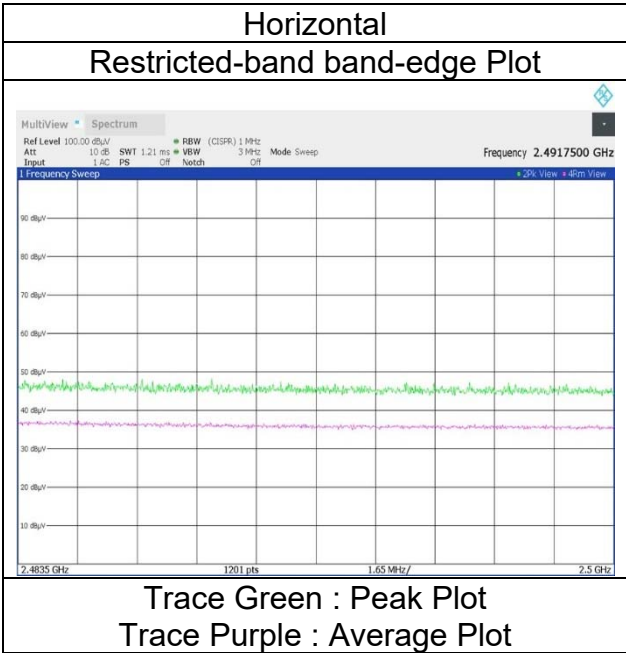
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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
(Reference Plot for band-edge)

Mode	Tx 11n-40 2452 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	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	
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	1 GHz to 10 GHz	
May 31, 2025	WAC1	23 deg. C	58 % RH	Hiromasa Sato	10 GHz to 18 GHz	
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Above 18 GHz	
May 23, 2025	WAC1	22 deg. C	57 % RH	Miku Ikudome	Below 1 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.	214.200	QP	36.74	11.21	7.25	33.64	0.00	21.56	43.5	21.9	161	345	-
Hori.	273.771	QP	43.72	13.10	7.44	33.61	0.00	30.65	46.0	15.3	100	335	-
Hori.	323.217	QP	35.36	14.32	7.59	33.53	0.00	23.74	46.0	22.2	100	333	-
Hori.	551.893	QP	41.19	17.81	8.17	32.91	0.00	34.26	46.0	11.7	174	335	-
Hori.	2372.381	PK	49.75	27.52	-28.00	-	2.35	51.62	73.9	22.2	343	317	-
Hori.	2377.751	PK	48.93	27.54	-28.01	-	2.35	50.81	73.9	23.0	343	317	-
Hori.	2390.000	PK	47.96	27.56	-28.00	-	2.35	49.87	73.9	24.0	343	317	-
Hori.	4804.000	PK	46.53	31.49	-35.33	-	2.35	45.04	73.9	28.8	150	0	Floor Noise
Hori.	7206.000	PK	47.76	35.86	-34.02	-	2.35	51.95	73.9	21.9	150	0	Floor Noise
Hori.	9608.000	PK	45.46	37.56	-31.46	-	2.35	53.91	73.9	19.9	150	0	Floor Noise
Hori.	4804.000	AV	35.48	31.49	-35.33	-	2.35	33.99	53.9	19.9	150	0	Floor Noise
Hori.	7206.000	AV	35.94	35.86	-34.02	-	2.35	40.13	53.9	13.7	150	0	Floor Noise
Hori.	9608.000	AV	34.75	37.56	-31.46	-	2.35	43.20	53.9	10.7	150	0	Floor Noise
Vert.	214.204	QP	40.16	11.21	7.25	33.64	0.00	24.98	43.5	18.5	100	22	-
Vert.	264.007	QP	29.81	12.50	7.40	33.61	0.00	16.10	46.0	29.9	184	212	-
Vert.	330.027	QP	34.56	14.55	7.62	33.52	0.00	23.21	46.0	22.7	159	180	-
Vert.	541.013	QP	36.65	17.70	8.15	32.93	0.00	29.57	46.0	16.4	200	193	-
Vert.	2372.381	PK	50.59	27.52	-28.00	-	2.35	52.46	73.9	21.4	359	16	-
Vert.	2377.751	PK	50.19	27.54	-28.01	-	2.35	52.07	73.9	21.8	359	16	-
Vert.	2390.000	PK	47.98	27.56	-28.00	-	2.35	49.89	73.9	24.0	359	16	-
Vert.	4804.000	PK	46.81	31.49	-35.33	-	2.35	45.32	73.9	28.5	150	0	Floor Noise
Vert.	7206.000	PK	46.80	35.86	-34.02	-	2.35	50.99	73.9	22.9	150	0	Floor Noise
Vert.	9608.000	PK	45.84	37.56	-31.46	-	2.35	54.29	73.9	19.6	150	0	Floor Noise
Vert.	4804.000	AV	35.76	31.49	-35.33	-	2.35	34.27	53.9	19.6	150	0	Floor Noise
Vert.	7206.000	AV	36.02	35.86	-34.02	-	2.35	40.21	53.9	13.6	150	0	Floor Noise
Vert.	9608.000	AV	34.58	37.56	-31.46	-	2.35	43.03	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.	2372.381	AV	36.65	27.52	-28.00	-	4.64	2.35	43.16	53.9	10.7	*2)
Hori.	2377.751	AV	36.35	27.54	-28.01	-	4.64	2.35	42.87	53.9	11.0	*2)
Hori.	2390.000	AV	36.40	27.56	-28.00	-	4.64	2.35	42.95	53.9	10.9	*1)
Vert.	2372.381	AV	37.14	27.52	-28.00	-	4.64	2.35	43.65	53.9	10.2	*2)
Vert.	2377.751	AV	36.90	27.54	-28.01	-	4.64	2.35	43.42	53.9	10.4	*2)
Vert.	2390.000	AV	36.20	27.56	-28.00	-	4.64	2.35	42.75	53.9	11.1	*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 [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	91.50	27.57	-27.99	-	2.35	93.43	-	-	Carrier
Hori.	2400.000	PK	59.76	27.57	-27.99	-	2.35	61.69	73.4	11.7	-
Vert.	2402.000	PK	93.24	27.57	-27.99	-	2.35	95.17	-	-	Carrier
Vert.	2400.000	PK	61.17	27.57	-27.99	-	2.35	63.10	75.1	12.0	-

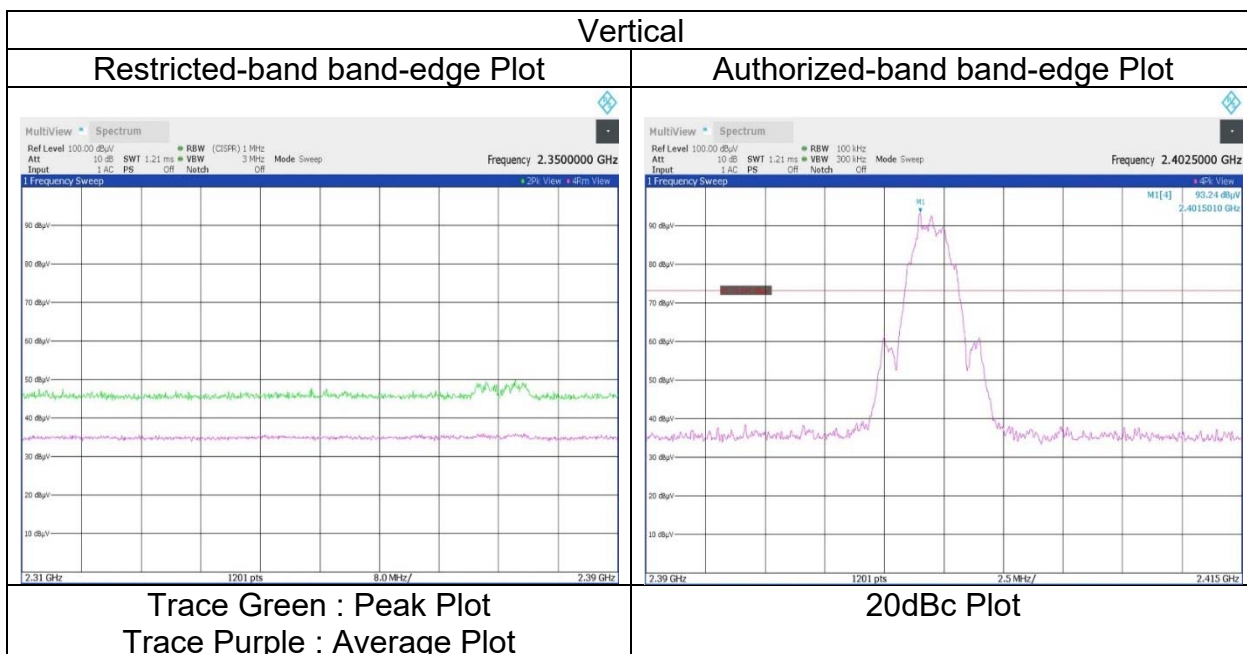
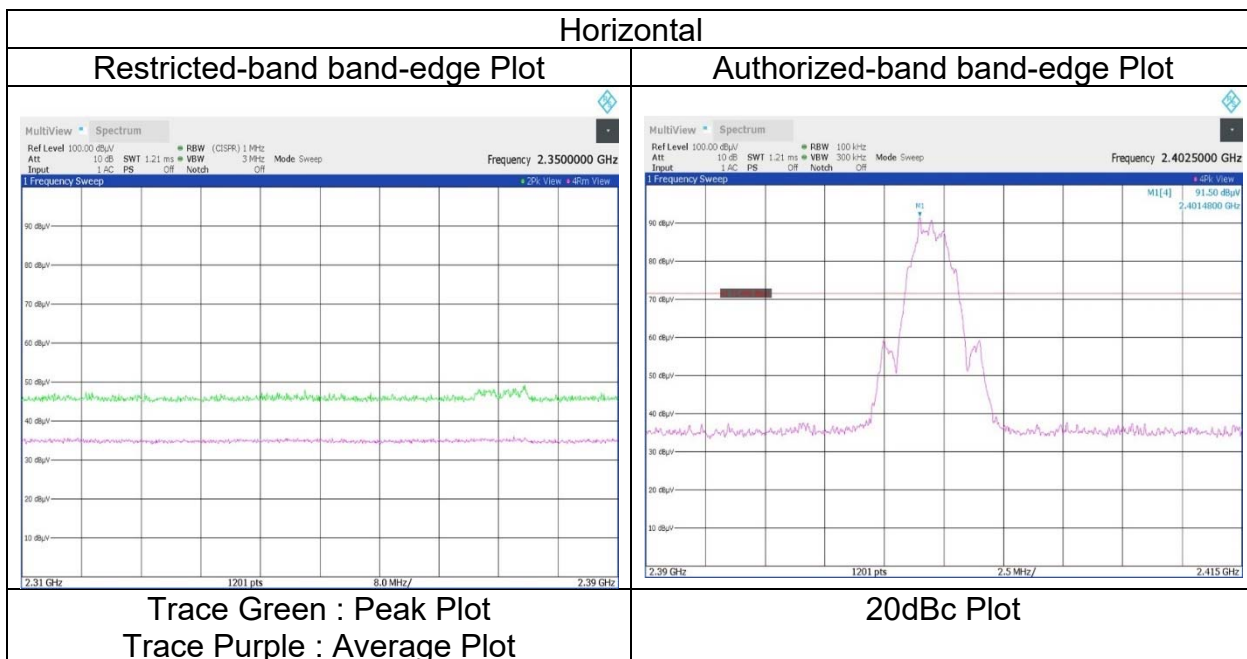
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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 (Reference Plot for band-edge)

Mode	Tx BT LE 2M-PHY 2402 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	1 GHz to 10 GHz



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

Final result of restricted band edge and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2480 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	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	48.82	27.65	-27.94	-	2.35	50.88	73.9	23.0	300	354	-
Hori.	2515.602	PK	51.94	27.61	-27.92	-	2.35	53.98	73.9	19.9	300	354	-
Vert.	2483.500	PK	48.88	27.65	-27.94	-	2.35	50.94	73.9	22.9	359	305	-
Vert.	2515.602	PK	51.49	27.61	-27.92	-	2.35	53.53	73.9	20.3	359	305	-

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	36.75	27.65	-27.94	-	4.64	2.35	43.45	53.9	10.4	*1)
Hori.	2515.602	AV	38.50	27.61	-27.92	-	4.64	2.35	45.18	53.9	8.7	*2)
Vert.	2483.500	AV	36.60	27.65	-27.94	-	4.64	2.35	43.30	53.9	10.6	*1)
Vert.	2515.602	AV	38.29	27.61	-27.92	-	4.64	2.35	44.97	53.9	8.9	*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 : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

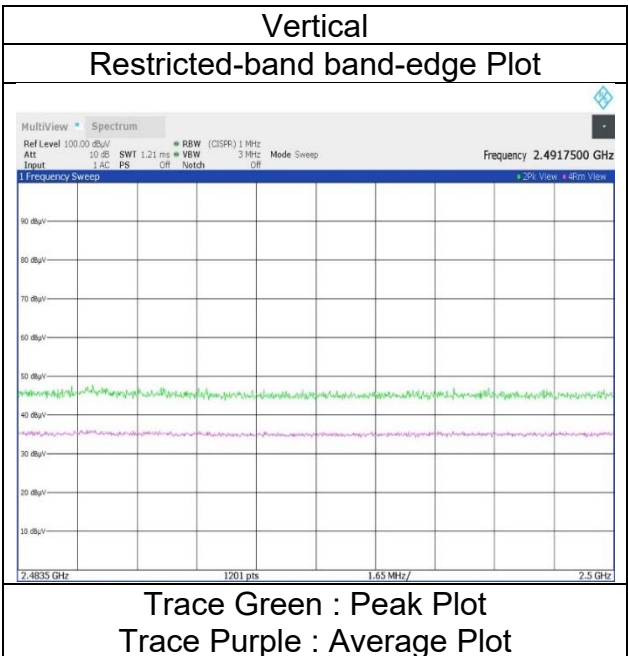
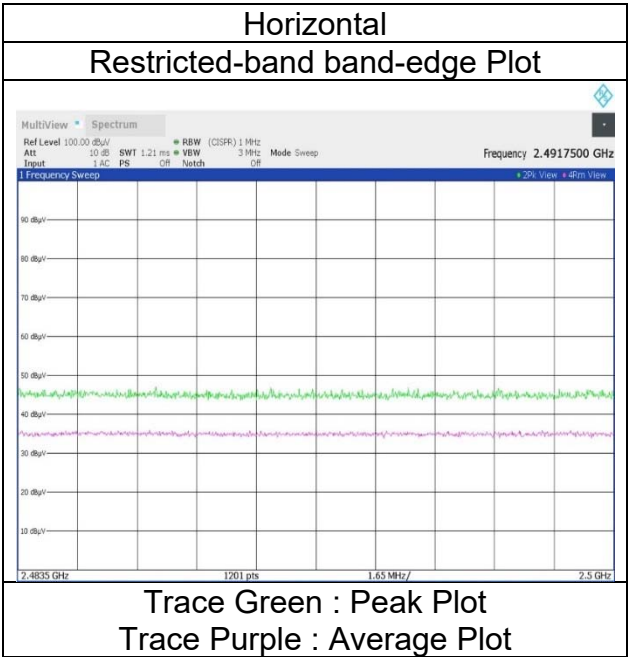
10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

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

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx BT LE 2M-PHY 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	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 + Tx 11a 5180 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	1 GHz to 2.8 GHz
May 28, 2025	WAC1	21 deg. C	58 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
May 31, 2025	WAC1	23 deg. C	58 % RH	Hiromasa Sato	10 GHz to 18 GHz
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Above 18 GHz
May 23, 2025	WAC1	22 deg. C	57 % RH	Miku Ikudome	Below 1 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.	214.212	QP	35.75	11.21	7.25	33.64	0.00	20.57	43.5	22.9	116	352	-
Hori.	278.265	QP	42.95	13.31	7.45	33.60	0.00	30.11	46.0	15.8	117	349	-
Hori.	318.928	QP	35.09	14.16	7.58	33.54	0.00	23.29	46.0	22.7	100	145	-
Hori.	541.998	QP	37.12	17.71	8.15	32.93	0.00	30.05	46.0	15.9	100	145	-
Hori.	2372.381	PK	49.25	27.52	-28.00	-	2.35	51.12	73.9	22.7	343	300	-
Hori.	2377.751	PK	47.50	27.54	-28.01	-	2.35	49.38	73.9	24.5	343	300	-
Hori.	2390.000	PK	47.29	27.56	-28.00	-	2.35	49.20	73.9	24.7	343	300	-
Hori.	2425.571	PK	49.32	27.62	-27.98	-	2.35	51.31	73.9	22.5	343	300	-
Hori.	4804.000	PK	53.09	31.49	-35.33	-	2.35	51.60	73.9	22.3	100	46	-
Hori.	7206.000	PK	46.92	35.86	-34.02	-	2.35	51.11	73.9	22.7	150	0	Floor Noise
Hori.	9608.000	PK	46.51	37.56	-31.46	-	2.35	54.96	73.9	18.9	150	0	Floor Noise
Hori.	7206.000	AV	35.99	35.86	-34.02	-	2.35	40.18	53.9	13.7	150	0	Floor Noise
Hori.	9608.000	AV	34.95	37.56	-31.46	-	2.35	43.40	53.9	10.5	150	0	Floor Noise
Vert.	214.183	QP	39.45	11.21	7.25	33.64	0.00	24.27	43.5	19.2	102	34	-
Vert.	258.583	QP	29.16	12.19	7.39	33.61	0.00	15.13	46.0	30.8	182	223	-
Vert.	328.902	QP	34.35	14.52	7.61	33.52	0.00	22.96	46.0	23.0	148	168	-
Vert.	541.510	QP	35.38	17.71	8.15	32.93	0.00	28.31	46.0	17.6	200	193	-
Vert.	2372.381	PK	49.63	27.52	-28.00	-	2.35	51.50	73.9	22.4	359	16	-
Vert.	2377.751	PK	48.10	27.54	-28.01	-	2.35	49.98	73.9	23.9	359	16	-
Vert.	2390.000	PK	47.07	27.56	-28.00	-	2.35	48.98	73.9	24.9	359	16	-
Vert.	2425.571	PK	50.60	27.62	-27.98	-	2.35	52.59	73.9	21.3	359	16	-
Vert.	4804.000	PK	52.76	31.49	-35.33	-	2.35	51.27	73.9	22.6	221	4	-
Vert.	7206.000	PK	46.98	35.86	-34.02	-	2.35	51.17	73.9	22.7	150	0	Floor Noise
Vert.	9608.000	PK	46.01	37.56	-31.46	-	2.35	54.46	73.9	19.4	150	0	Floor Noise
Vert.	7206.000	AV	35.97	35.86	-34.02	-	2.35	40.16	53.9	13.7	150	0	Floor Noise
Vert.	9608.000	AV	34.77	37.56	-31.46	-	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.	2372.381	AV	36.81	27.52	-28.00	-	4.64	2.35	43.32	53.9	10.5	*2)
Hori.	2377.751	AV	36.14	27.54	-28.01	-	4.64	2.35	42.66	53.9	11.2	*2)
Hori.	2390.000	AV	36.36	27.56	-28.00	-	4.64	2.35	42.91	53.9	10.9	*1)
Hori.	2425.571	AV	36.49	27.62	-27.98	-	4.64	2.35	43.12	53.9	10.7	*2)
Hori.	4804.000	AV	42.02	31.49	-35.33	-	4.64	2.35	45.17	53.9	8.7	-
Vert.	2372.381	AV	37.01	27.52	-28.00	-	4.64	2.35	43.52	53.9	10.3	*2)
Vert.	2377.751	AV	36.53	27.54	-28.01	-	4.64	2.35	43.05	53.9	10.8	*2)
Vert.	2390.000	AV	36.47	27.56	-28.00	-	4.64	2.35	43.02	53.9	10.8	*1)
Vert.	2425.571	AV	36.96	27.62	-27.98	-	4.64	2.35	43.59	53.9	10.3	*2)
Vert.	4804.000	AV	42.69	31.49	-35.33	-	4.64	2.35	45.84	53.9	8.0	-

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.

*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	91.50	27.57	-27.99	-	2.35	93.43	-	-	Carrier
Hori.	2400.000	PK	59.05	27.57	-27.99	-	2.35	60.98	73.4	12.4	-
Vert.	2402.000	PK	93.24	27.57	-27.99	-	2.35	95.17	-	-	Carrier
Vert.	2400.000	PK	60.73	27.57	-27.99	-	2.35	62.66	75.1	12.4	-

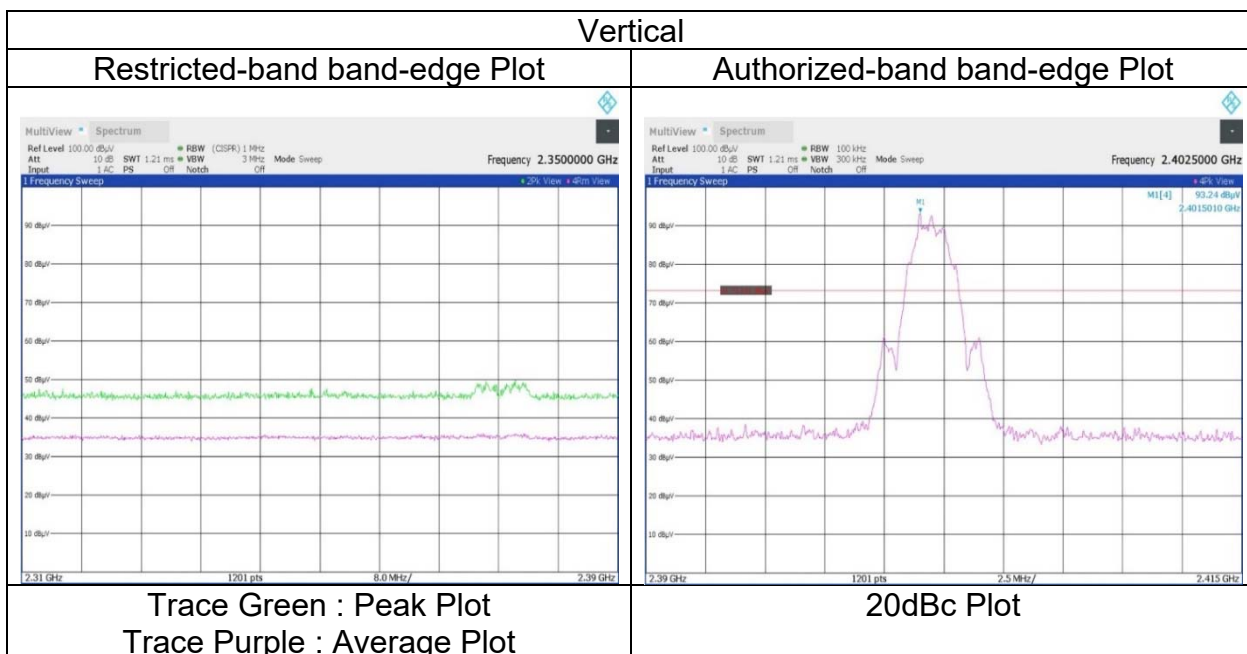
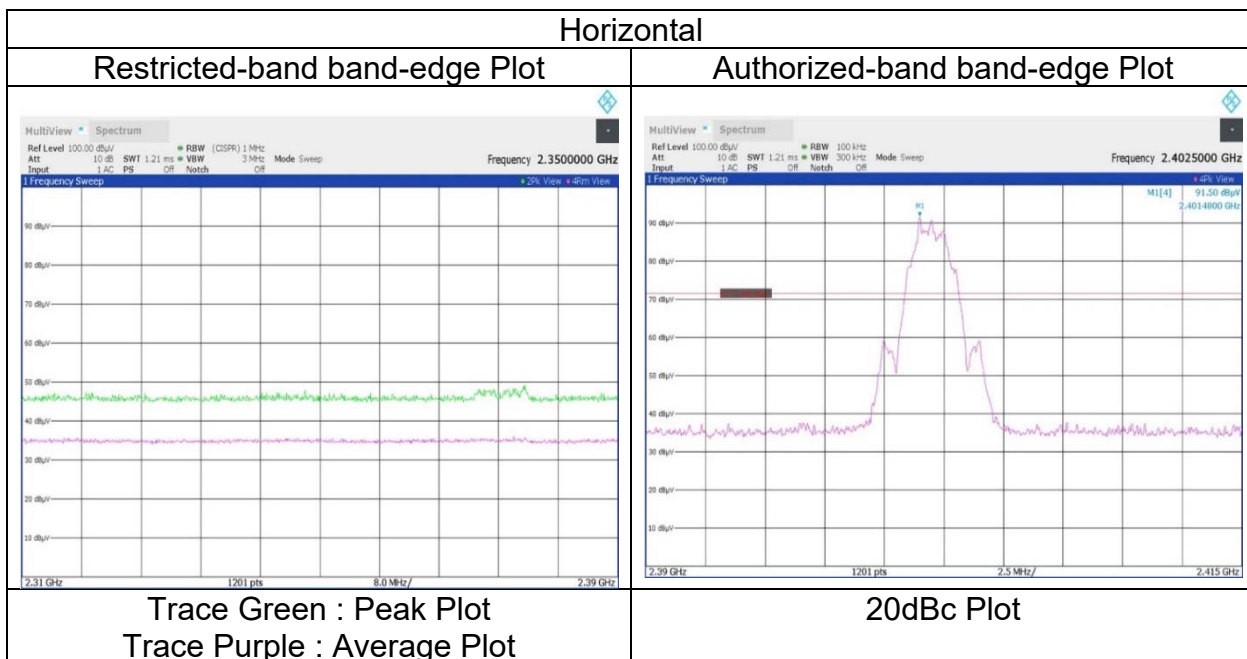
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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 (Reference Plot for band-edge)

Mode	Tx BT LE 2M-PHY 2402 MHz + Tx 11a 5180 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	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 and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2480 MHz + Tx 11a 5180 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	1 GHz to 2.8 GHz
May 31, 2025	WAC1	23 deg. C	58 % RH	Hiromasa Sato	2.8 GHz to 18 GHz
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Above 18 GHz
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Below 1 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.	214.212	QP	32.70	11.21	7.25	33.64	0.00	17.52	43.5	25.9	121	192	-
Hori.	275.218	QP	44.10	13.18	7.44	33.60	0.00	31.12	46.0	14.8	114	172	-
Hori.	347.368	QP	40.00	15.00	7.67	33.48	0.00	29.19	46.0	16.8	116	36	-
Hori.	554.302	QP	40.10	17.85	8.18	32.90	0.00	33.23	46.0	12.7	175	160	-
Hori.	2483.500	PK	48.31	27.65	-27.94	-	2.35	50.37	73.9	23.5	305	350	-
Hori.	2515.602	PK	51.73	27.61	-27.92	-	2.35	53.77	73.9	20.1	305	350	-
Hori.	4960.000	PK	49.02	32.16	-35.50	-	2.35	48.03	73.9	25.8	171	347	-
Hori.	7440.000	PK	46.57	36.30	-33.66	-	2.35	51.56	73.9	22.3	150	0	Floor Noise
Hori.	9920.000	PK	46.05	37.54	-31.18	-	2.35	54.76	73.9	19.1	150	0	Floor Noise
Hori.	7440.000	AV	35.92	36.30	-33.66	-	2.35	40.91	53.9	12.9	150	0	Floor Noise
Hori.	9920.000	AV	34.64	37.54	-31.18	-	2.35	43.35	53.9	10.5	150	0	Floor Noise
Vert.	214.186	QP	40.20	11.21	7.25	33.64	0.00	25.02	43.5	18.4	100	300	-
Vert.	258.633	QP	33.10	12.19	7.39	33.61	0.00	19.07	46.0	26.9	100	302	-
Vert.	328.956	QP	31.00	14.52	7.61	33.52	0.00	19.61	46.0	26.3	164	227	-
Vert.	542.891	QP	31.80	17.72	8.16	32.93	0.00	24.75	46.0	21.2	109	83	-
Vert.	2483.500	PK	48.79	27.65	-27.94	-	2.35	50.85	73.9	23.0	359	305	-
Vert.	2515.602	PK	51.54	27.61	-27.92	-	2.35	53.58	73.9	20.3	359	305	-
Vert.	4960.000	PK	49.96	32.16	-35.50	-	2.35	48.97	73.9	24.9	252	9	-
Vert.	7440.000	PK	46.97	36.30	-33.66	-	2.35	51.96	73.9	21.9	150	0	Floor Noise
Vert.	9920.000	PK	46.12	37.54	-31.18	-	2.35	54.83	73.9	19.0	150	0	Floor Noise
Vert.	7440.000	AV	35.85	36.30	-33.66	-	2.35	40.84	53.9	13.0	150	0	Floor Noise
Vert.	9920.000	AV	34.48	37.54	-31.18	-	2.35	43.19	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	36.63	27.65	-27.94	-	4.64	2.35	43.33	53.9	10.5	*1)
Hori.	2515.602	AV	38.49	27.61	-27.92	-	4.64	2.35	45.17	53.9	8.7	*2)
Hori.	4960.000	AV	37.10	32.16	-35.50	-	4.64	2.35	40.75	53.9	13.1	-
Vert.	2483.500	AV	36.72	27.65	-27.94	-	4.64	2.35	43.42	53.9	10.4	*1)
Vert.	2515.602	AV	39.27	27.61	-27.92	-	4.64	2.35	45.95	53.9	7.9	*2)
Vert.	4960.000	AV	37.23	32.16	-35.50	-	4.64	2.35	40.88	53.9	13.0	-

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 : $20\log(3.93[m] / 3.0[m]) = 2.35 [dB]$

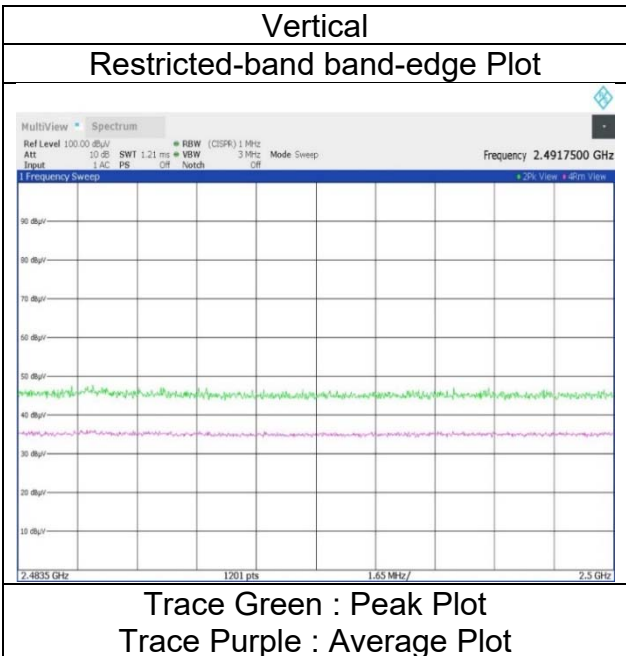
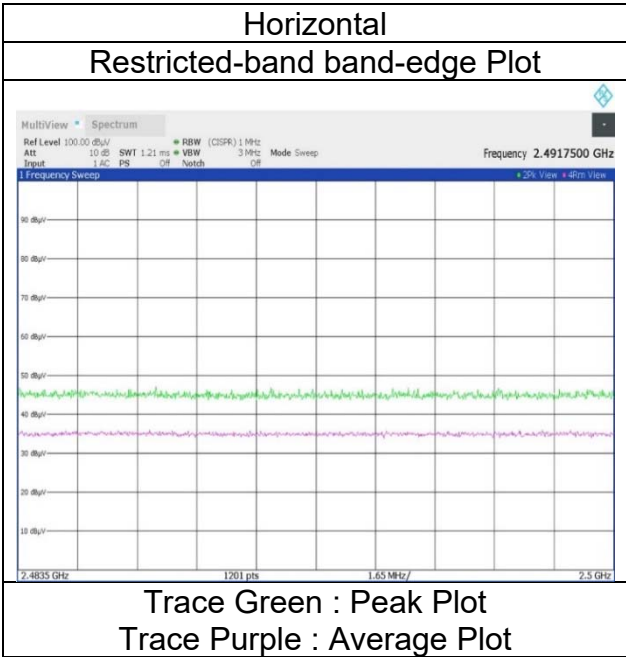
10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

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

Radiated Spurious Emission
(Reference Plot for band-edge)

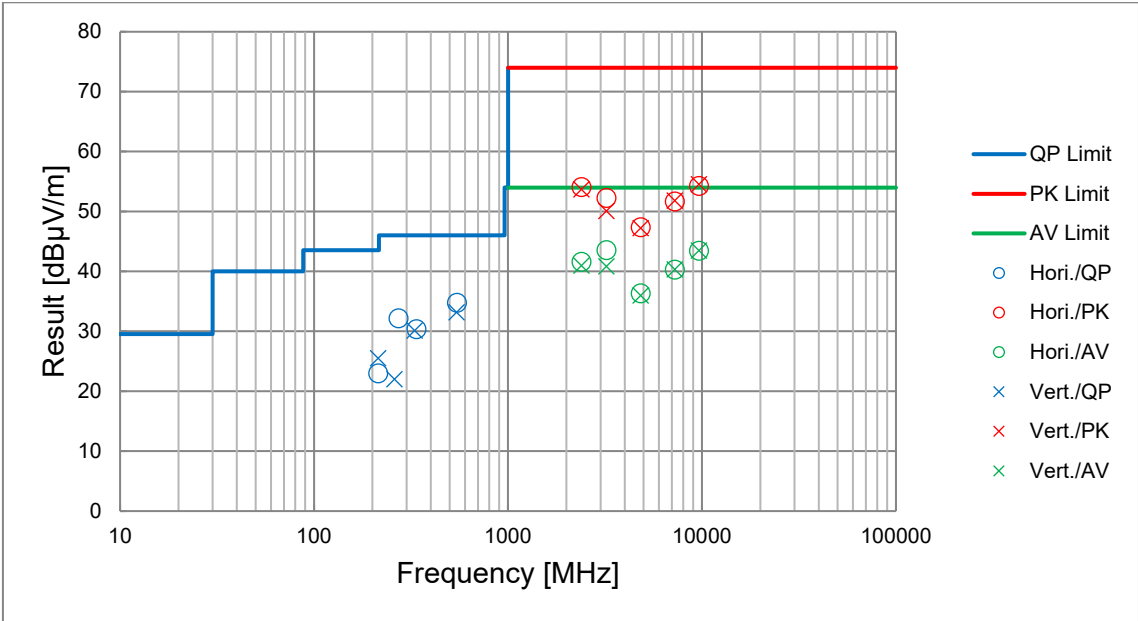
Mode	Tx BT LE 2M-PHY 2480 MHz + Tx 11a 5180 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	1 GHz to 2.8 GHz



* 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 Peak Output Power)

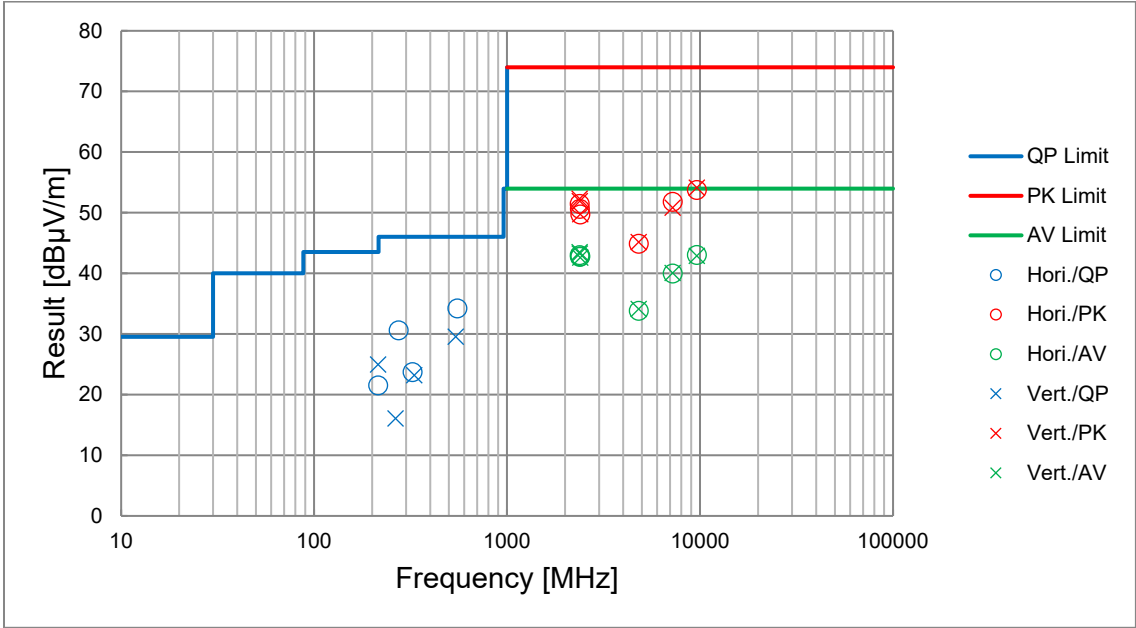
Mode	Tx 11g 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 23, 2025	WAC1	25 deg. C	48 % RH	Toshinori Yamada	1 GHz to 2.8 GHz
May 28, 2025	WAC1	21 deg. C	58 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
May 31, 2025	WAC1	23 deg. C	58 % RH	Hiromasa Sato	10 GHz to 18 GHz
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Above 18 GHz
May 23, 2025	WAC1	22 deg. C	57 % RH	Miku Ikudome	Below 1 GHz



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

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

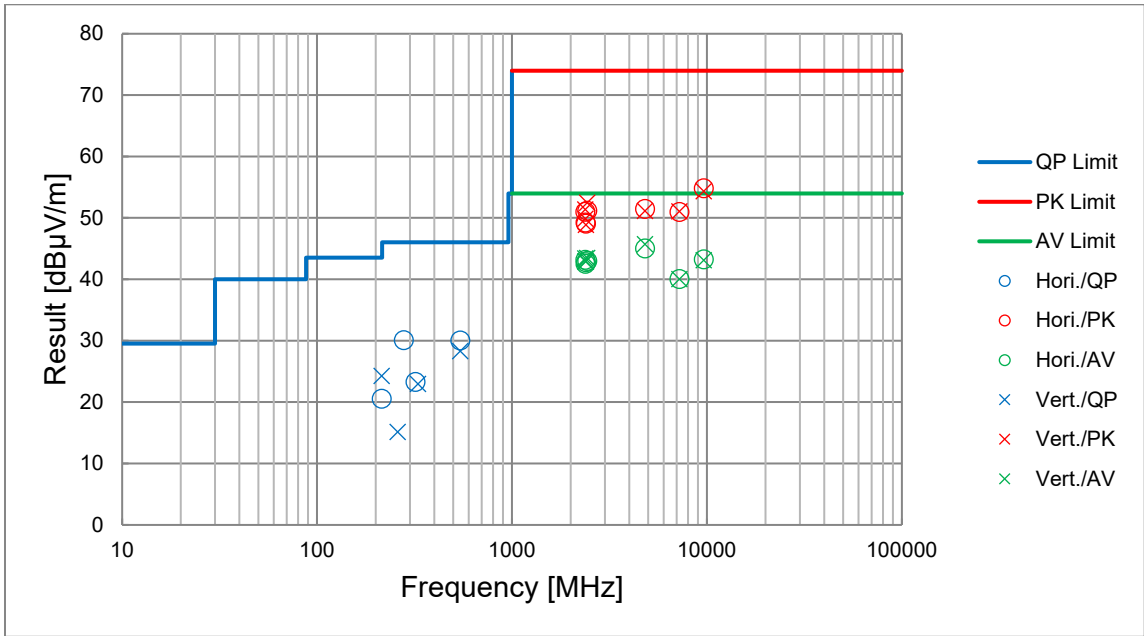
Mode	Tx BT LE 2M-PHY 2402 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	1 GHz to 10 GHz
May 31, 2025	WAC1	23 deg. C	58 % RH	Hiromasa Sato	10 GHz to 18 GHz
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Above 18 GHz
May 23, 2025	WAC1	22 deg. C	57 % RH	Miku Ikudome	Below 1 GHz



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

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

Mode	Tx BT LE 2M-PHY 2402 MHz + Tx 11a 5180 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
May 25, 2025	WAC1	21 deg. C	57 % RH	Takayuki Kobayashi	1 GHz to 2.8 GHz
May 28, 2025	WAC1	21 deg. C	58 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
May 31, 2025	WAC1	23 deg. C	58 % RH	Hiromasa Sato	10 GHz to 18 GHz
June 1, 2025	WAC1	21 deg. C	58 % RH	Takayuki Kobayashi	Above 18 GHz
May 23, 2025	WAC1	22 deg. C	57 % RH	Miku Ikudome	Below 1 GHz



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

APPENDIX 2: Test Instruments

Test Equipment (1/2)

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
CE	199786	Attenuator	JFW	50HF-006N	-	2024/06/14	12
CE	145036	Coaxial Cable&RF Selector	Suhner/Suhner/TOYO	RG223U/141PE/NS 4906	-/0901-271(RF Selector)	2025/04/05	12
CE	146210	Digital Hitester	HIOKI E. E. CORPORATION	3805-50	80997823	2024/09/24	12
CE	145542	LISN	Rohde & Schwarz	ENV216	100516	2025/02/01	12
CE	146432	Tape Measure	TAJIMA	GL19-55	-	-	-
CE	213530	Test Receiver	Rohde & Schwarz	ESW44	103068	2025/02/12	12
CE	191840	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	-	2024/08/12	12
CE,RE	170932	EMI Software	TSJ (Techno Science Japan)	TEPTO-DV3(RE,CE,ME,PE)	Ver 3.1.0546	-	-
RE	199784	Attenuator	JFW	50HF-006N	-	2024/06/14	12
RE	239786	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHBB 9124+BBA9106	01895	2024/08/10	12
RE	196945	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	803414/2	2025/03/13	12
RE	236710	Coaxial Cable	Hayashi-Repic co., Ltd.	KMS020B-GL140sE-KMS020B-7.0m	47256-03-01	2025/05/27	12
RE	236723	Coaxial Cable	Hayashi-Repic co., Ltd.	SF106(HUBER+SUHNER)/LMR400UF/GL310C/GL310C	2000429/47753-1/47256-01-03/47256-01-01	2025/05/12	12
RE	239643	Coaxial Cable	Junkosha	MWX221-01000NFSNMS/B	2306S021	2024/08/20	12
RE	243209	Coaxial Cable	Hayashi-Repic co., Ltd.	SMS13-13A26-NFS13-1.0m	49190-01-01	2024/12/05	12
RE	243687	Coaxial Cable	Hayashi-Repic co., Ltd.	NMS079B-GL310C-NMS079B-6.0m	49373-01-01	2024/12/05	12
RE	243689	Coaxial Cable	Huber+Suhner	GL310C(Hayashi-Repic)/SF106/SF106	49373-01-01/2000781/2001160	2024/12/17	12
RE	235639	DIGITAL MULTIMETER	HIOKI E. E. CORPORATION	DT4261	230313156	2025/05/22	12
RE	145512	Horn Antenna	ETS-Lindgren	3160-09	00094868	2024/06/20	12
RE	145514	Horn Antenna	ETS-Lindgren	3160-10	00092383	2024/06/20	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	145527	Logperiodic Antenna	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	193	2025/03/18	12
RE	145005	Pre Amplifier	Toyo Corporation	TPA0118-36	2046104	2025/02/25	12
RE	145129	Pre Amplifier	Toyo Corporation	HAP26-40W	B3208602403-176	2025/05/28	12
RE	236966	Pre Amplifier	TSJ (Techno Science Japan)	MLA-9K01-L01	23050009	2025/02/19	12

Test Equipment (2/2)

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	237784	RF RELAY MATRIX with preamplifier	TSJ (Techno Science Japan)	RFM-E221261R	07795	2024/11/12	12
RE	236212	Semi-Anechoic Chamber	TDK	SWAC-01(NSA)	1	2025/05/12	12
RE	236616	Semi-Anechoic Chamber	TDK	SWAC-01(SVSWR)	1	2024/06/04	12
RE	207280	Tape Measure	ASKUL	-	-	-	-
RE	235267	Test Receiver	Rohde & Schwarz	ESW44	103018	2025/03/18	12
RE	235735	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/16	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:

CE: Conducted Emission

RE: Radiated Emission