

RADIO TEST REPORT

Test Report No. 15966005S-B-R1

Customer	ALPS ALPINE CO., LTD.
Description of EUT	Vehicle equipment
Model Number of EUT	UXC10
FCC ID	A269ZUA173
Test Regulation	FCC Part 15 Subpart C
Test Result	Complied
Issue Date	February 19, 2026
Remarks	Wireless LAN (2.4 GHz band) and Bluetooth Low Energy part(s)

Representative Test EngineerToshinori Yamada
Engineer**Approved By**Kazuya Noda
Leader

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

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- 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)	15966005S-B	January 29, 2026	-																																										
1	15966005S-B-R1	February 19, 2026	P.12 Corrected The Details of Operating Mode(s): From: <table><tr><td rowspan="2">Radiated Spurious Emission (Above 1 GHz)</td><td>Tx 11g *3), *4)</td><td>Chan2 *1)</td><td>2412 MHz 2437 MHz 2462 MHz</td></tr><tr><td>Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY</td><td>-</td><td>2402 MHz 2440 MHz 2480 MHz</td></tr><tr><td>Radiated Spurious Emission (Band edge) *3), *5)</td><td>Tx 11b Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO</td><td>Chan2 *1)</td><td>2412 MHz 2462 MHz</td></tr></table> To: <table><tr><td rowspan="2">Radiated Spurious Emission (Above 1 GHz)</td><td>Tx 11b, Tx 11g *3), *4)</td><td>Chan2 *1)</td><td>2412 MHz 2437 MHz 2462 MHz</td></tr><tr><td>Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY</td><td>-</td><td>2402 MHz 2440 MHz 2480 MHz</td></tr><tr><td>Radiated Spurious Emission (Band edge) *3), *5)</td><td>Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO</td><td>Chan2 *1)</td><td>2412 MHz 2462 MHz</td></tr></table> Corrected note *4): From: The test was performed with this mode as representative, because it had the highest power in SISO mode at antenna terminal test. To: Based on the results of preliminary testing, the test was conducted using 11b and 11g which is the worst-case mode of OFDM as a representative. P.81 Corrected the Measurement environment information: From: <table><tr><th>Date</th><th>Test Place</th><th>Temperature</th><th>Humidity</th><th>Engineer</th></tr><tr><td>December 08, 2025</td><td>SAC3</td><td>23 deg.C</td><td>51 %RH</td><td>Yasumasa Otsuki</td></tr></table> To: <table><tr><th>Date</th><th>Test Place</th><th>Temperature</th><th>Humidity</th><th>Engineer</th></tr><tr><td>September 27, 2025</td><td>SAC3</td><td>23 deg.C</td><td>56 %RH</td><td>Komeichi Adachi</td></tr></table> P.85 Added data above 2.8GHz. P.87 Added data Tx 11b 2437 MHz. P.88 Added data above 2.8GHz.	Radiated Spurious Emission (Above 1 GHz)	Tx 11g *3), *4)	Chan2 *1)	2412 MHz 2437 MHz 2462 MHz	Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY	-	2402 MHz 2440 MHz 2480 MHz	Radiated Spurious Emission (Band edge) *3), *5)	Tx 11b Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO	Chan2 *1)	2412 MHz 2462 MHz	Radiated Spurious Emission (Above 1 GHz)	Tx 11b, Tx 11g *3), *4)	Chan2 *1)	2412 MHz 2437 MHz 2462 MHz	Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY	-	2402 MHz 2440 MHz 2480 MHz	Radiated Spurious Emission (Band edge) *3), *5)	Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO	Chan2 *1)	2412 MHz 2462 MHz	Date	Test Place	Temperature	Humidity	Engineer	December 08, 2025	SAC3	23 deg.C	51 %RH	Yasumasa Otsuki	Date	Test Place	Temperature	Humidity	Engineer	September 27, 2025	SAC3	23 deg.C	56 %RH	Komeichi Adachi
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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.....	10
SECTION 5: Radiated Spurious Emission	18
SECTION 6: Antenna Terminal Conducted Tests.....	21
APPENDIX 1: Test Data	22
99 % Occupied Bandwidth and 6 dB Bandwidth.....	22
Maximum Peak Output Power	42
Radiated Spurious Emission.....	85
Conducted Spurious Emission.....	135
Power Density.....	137
APPENDIX 2: Test Instruments.....	168
APPENDIX 3: Photographs of Test Setup.....	170
Radiated Spurious Emission.....	170
Pre-check of Worst Case Position	171
Antenna Terminal Conducted Tests	172

SECTION 1: Customer Information

Company Name	ALPS ALPINE CO., LTD.
Address	20-1 Yoshima Industrial Park, Iwaki, Fukushima, 970-1192 Japan
Telephone Number	+81-246-36-4111
Contact Person	Kenji Nagase

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	Vehicle equipment
Model Number	UXC10
Serial Number	Refer to SECTION 4.2
Condition	Production prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification	No Modification by the test lab
Receipt Date	September 13, 2025
Test Date	September 16 to November 26, 2025

2.2 Product Description

General Specification

Rating	DC 14.5 V
Operating temperature	-40 deg. C to +75 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.

Bluetooth (BR/EDR/BT LE)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	FHSS, GFSK / $\pi/4$ -DQPSK, 8DPSK / GFSK
Antenna Type	PIFA Antenna
Antenna Gain ^{a)}	+3.5 dBi

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

Equipment Type	Transceiver	
Frequency of Operation	2412 MHz to 2462 MHz	
Type of Modulation	DSSS, OFDM	
	OFDMA: (20 MHz band): 26/52/106/242-tone RU	
Antenna Type	PCB Antenna	
Antenna Gain ^{a)}	LHD	Chain1: 2.5 dBi Chain2: 2.5 dBi
	RHD	Chain1: 2.5 dBi Chain2: 2.5 dBi

WLAN (IEEE802.11a/11n-20/11ac-20/11ax-20/11n-40/11ac-40/11ax-40/11ac-80/11ax-80/11ac-160/11ax-160)

Equipment Type	Transceiver	
Frequency of Operation	20 MHz Band:	5180 MHz to 5240 MHz 5260 MHz to 5320 MHz 5500 MHz to 5720 MHz 5745 MHz to 5825 MHz
	40 MHz Band	5190 MHz to 5230 MHz 5270 MHz to 5310 MHz 5510 MHz to 5710 MHz 5755 MHz to 5795 MHz
	80 MHz band	5210 MHz 5290 MHz 5530 MHz to 5690 MHz 5775 MHz
	160 MHz band	5570 MHz
Type of Modulation	OFDM	
	OFDMA (IEEE802.11ax only)	(20 MHz band): 26/52/106/242-tone RU
		(40 MHz band): 26/52/106/242/484-tone RU
		(80 MHz band): 26/52/106/242/484/996-tone RU
		(160 MHz band): 26/52/106/242/484/996/2x996-tone RU
Antenna Type	PCB Antenna	
Antenna Gain ^{a)}	LHD	Chain1: 2.0 dBi Chain2: 2.0 dBi
	RHD	Chain1: 1.5 dBi Chain2: 1.5 dBi
TPC Function	U-NII-1 (5150 MHz to 5250 MHz)	Not Supported
	U-NII-2A (5250 MHz to 5350 MHz)	Supported
	U-NII-2C (5470 MHz to 5725 MHz)	Supported
	U-NII-3 (5725 MHz to 5850 MHz)	Not Supported

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 8.8	N/A	*1)
6 dB Bandwidth	FCC: Section 15.247(a)(2) ISED: RSS-247 6.3.1(a)	Complied	Conducted
Maximum Peak Output Power	FCC: Section 15.247(b)(3) ISED: RSS-247 6.3.2	Complied	Conducted
Power Density	FCC: Section 15.247(e) ISED: RSS-247 6.3.1(b)	Complied	Conducted
Spurious Emission Restricted Band Edges	FCC: Section 15.247(d) ISED: RSS-247 6.6 RSS-Gen 8.9 RSS-Gen 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)

The EUT provides stable voltage constantly to the 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 15.203/212 Antenna requirement

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the vehicle. 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	3.0 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

Antenna terminal test	Uncertainty (+/-)
Power Measurement above 1 GHz (Average Detector)	1.3 dB
Power Measurement above 1 GHz (Peak Detector)	1.5 dB
Spurious Emission (Conducted) below 1 GHz	0.93 dB
Conducted Emissions Power Density Measurement 1 GHz to 3 GHz	0.93 dB
Conducted Emissions Power Density Measurement 3 GHz to 18 GHz	3.0 dB
Spurious Emission (Conducted) 18 GHz to 26.5 GHz	2.8 dB
Spurious Emission (Conducted) 26.5 GHz to 40 GHz	2.3 dB
Bandwidth Measurement	0.012 %
Duty Cycle and Time Measurement	0.27 %
Temperature	2.2 deg.C.
Humidity	3.4 %
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)	2 Mbps (Short), PN9
IEEE 802.11g (11g)	24 Mbps, PN9
IEEE 802.11n SISO 20 MHz BW (11n-20 SISO)	MCS 4, PN9
IEEE 802.11n MIMO 20 MHz BW (11n-20 MIMO)	MCS 4, PN9
IEEE 802.11ax SISO 20 MHz BW (11ax-20 SISO)	MCS 4, PN9
IEEE 802.11ax MIMO 20 MHz BW (11ax-20 MIMO)	MCS 4 (1 SS), PN9
Bluetooth Low Energy (BT LE 1 M-PHY)	Uncoded 1M-PHY, Maximum Packet Size, PRBS9
Bluetooth Low Energy (BT LE 2 M-PHY)	Uncoded 2M-PHY, Maximum Packet Size, PRBS9

*The worst condition was determined based on the test result of RF Output Power.

* EUT has the power settings by the software as follows;

Power Setting: See below table

Software: WLAN: QRCT Version: 4.0.152.1
(Date: 2024.12.17, Storage location: Driven by connected PC)

BT LE: QRCT Version: 4.0.00195.0

(Date: 2025.07.04, Storage location: Driven by connected PC)

*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.

Power Setting table

[Non-OFDMA] (SISO)

Mode	Setting Values
11b	15.0
11g	13.5
11n-20	13.5
11ax-20 (OFDM)	13.5

[Non-OFDMA] (MIMO)

Mode	Setting Values
11n-20	10.5
11ax-20 (OFDM)	10.5

[OFDMA] (SISO)

Mode	RU	Setting Values
11ax-20 (OFDMA)	26-tone RU	4.0
	52-tone RU	6.0
	106-tone RU	8.0
	242-tone RU	9.5

[OFDMA] (MIMO)

Mode	RU	Setting Values
11ax-20 (OFDMA)	26-tone RU	1.0
	52-tone RU	6.0
	106-tone RU	5.0
	242-tone RU	6.5

[Bluetooth Low Energy]

Setting Values
Fixed

Note:

These above setting values are a unitless value (not dBm).

*The Details of Operating Mode(s)

Test Item	Operating Mode	Tested Antenna	Tested Frequency
Maximum Peak Output Power	Tx 11b Tx 11g Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO	Chain2 *1)	2412 MHz 2437 MHz 2462 MHz
	Tx 11n-20 MIMO Tx 11ax-20 (OFDM) MIMO Tx 11ax-20 (OFDMA) MIMO	Chain1 + Chain2	2412 MHz 2437 MHz 2462 MHz
	Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY	-	2402 MHz 2440 MHz 2480 MHz
Power Density	Tx 11b Tx 11g Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO	Chain2 *1)	2412 MHz 2437 MHz 2462 MHz
	Tx 11n-20 MIMO Tx 11ax-20 (OFDM) MIMO Tx 11ax-20 (OFDMA) MIMO	Chain1 + Chain2	2412 MHz 2437 MHz 2462 MHz
	Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY	-	2402 MHz 2440 MHz 2480 MHz
Radiated Spurious Emission (Below 1 GHz), Conducted Spurious Emission *2)	Tx 11g	Chain2 *1)	2412 MHz
	Tx BT LE 2 M-PHY	-	2402 MHz
Radiated Spurious Emission (Above 1 GHz)	Tx 11b, Tx 11g *3), *4)	Chain2 *1)	2412 MHz 2437 MHz 2462 MHz
	Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY	-	2402 MHz 2440 MHz 2480 MHz
Radiated Spurious Emission (Band edge) *3), *5)	Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO	Chain2 *1)	2412 MHz 2462 MHz
6 dB Bandwidth, 99 % Occupied Bandwidth *6)	Tx 11b Tx 11g Tx 11n-20 SISO Tx 11ax-20 (OFDM) SISO Tx 11ax-20 (OFDMA) SISO	Chain2 *1)	2412 MHz 2437 MHz 2462 MHz
	Tx BT LE 1 M-PHY Tx BT LE 2 M-PHY	-	2402 MHz 2440 MHz 2480 MHz

*1) The test was performed with the antenna that had higher power as a representative.

*2) Conducted Spurious Emission and spurious emissions for frequencies below 1 GHz were limited to the channel, mode and antenna port that had the highest power during the antenna terminal test, as preliminary testing indicated that changing the operating frequency and mode had no significant impact on the emissions in those frequency bands.

*3) The test was performed with SISO mode, since preliminary testing indicated that the spurious emission was higher than MIMO mode.

*4) Based on the results of preliminary testing, the test was conducted using 11b and 11g which is the worst-case mode of OFDM as a representative.

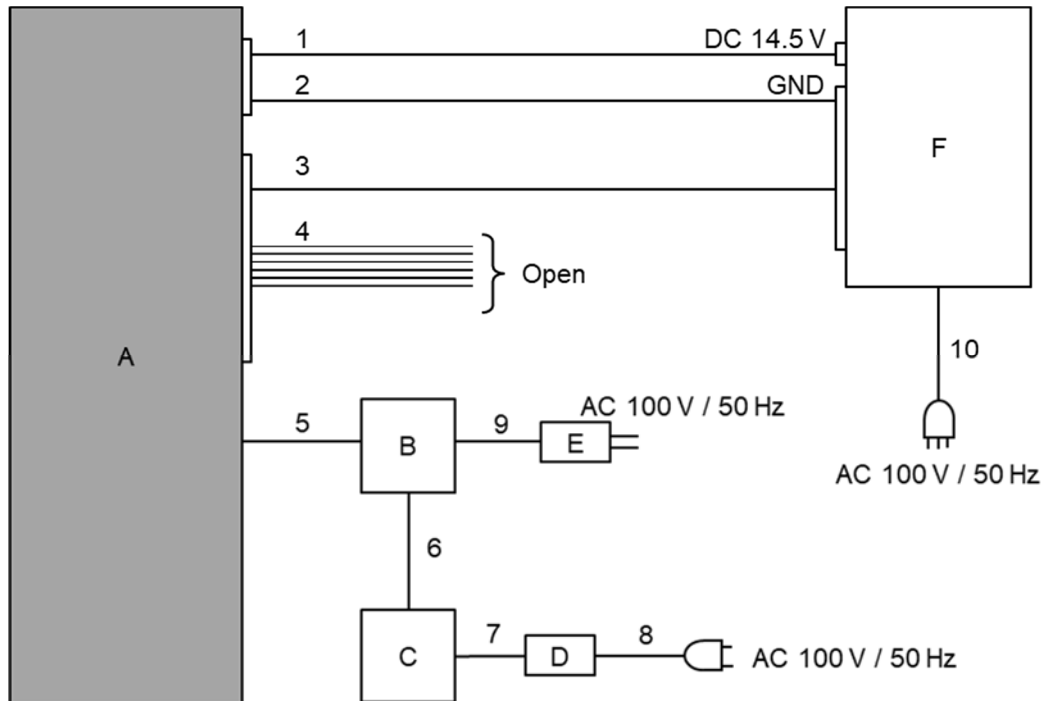
*5) These modes were performed only at the band edge, since preliminary testing indicated that the other spurious emission was lower than representative mode.

*6) The test was performed with SISO mode, since there was no significant difference between SISO mode and MIMO mode.

Simultaneous transmission

Test Item	Operating Mode *1)	Tested Antenna
Radiated Spurious Emission	Tx 11ax-20(OFDM), SISO 2462 MHz with BT 3DH5 Hopping and 11n-40 5190 MHz *2)	BT: - 2.4 GHz WLAN: Chain2 5 GHz WLAN: Chain2
	Tx BT LE 2 M-PHY 2480 MHz with 11g 2412 MHz and 11n-40 5190 MHz	BT LE: - 2.4 GHz WLAN: Chain2 5 GHz WLAN: Chain2
*1) This test was conducted using a combination of the worst mode above 1 GHz in the 2.4 GHz WLAN / BT LE spurious emissions test and the highest power mode in the antenna terminal conducted test as the representative mode. *2) *Since BT and BT LE have the same modulation method, the test was performed with BT, which has the highest power, as a representative.		

For BT LE



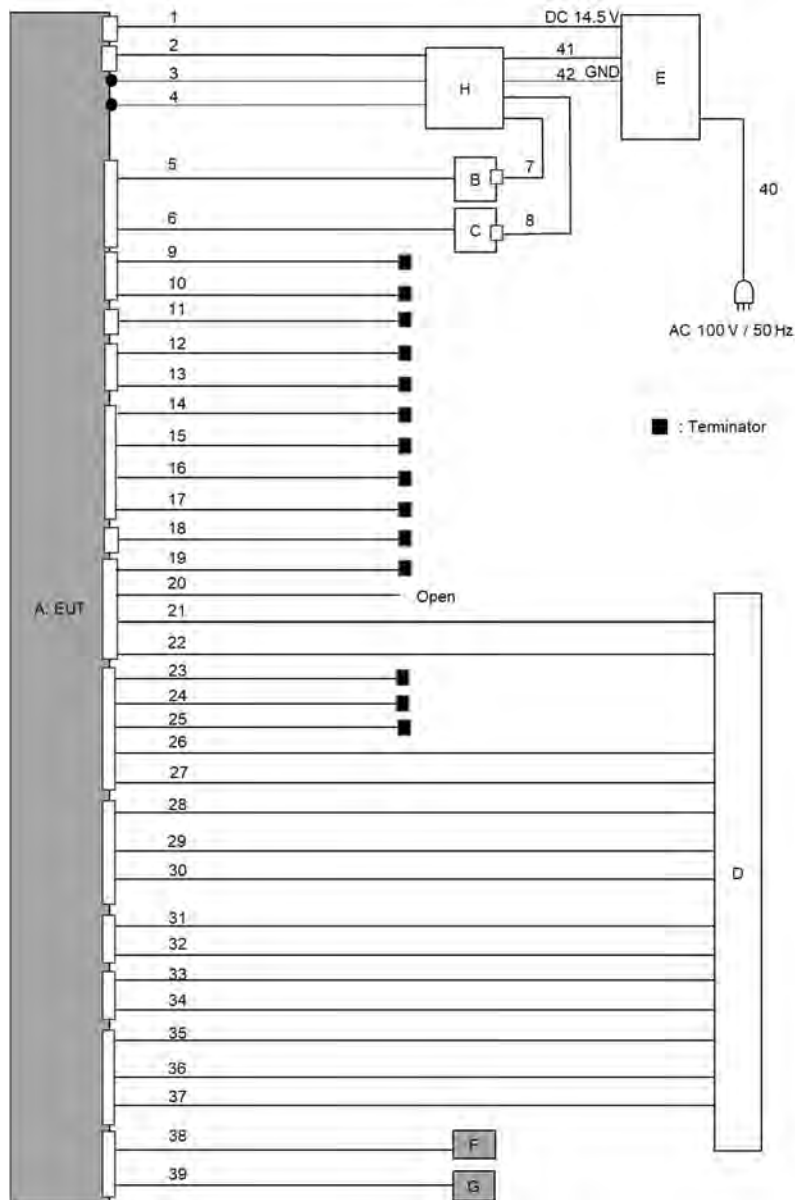
Description of EUT and Support Equipment

No.	Item	Model number	Serial Number	Manufacturer	Remarks
A	Vehicle equipment	UXC10	AT_No.2	ALPS ALPINE CO., LTD.	EUT
B	Media Converter	88Q2220	-	Marvell Technology, Inc.	-
C	Laptop PC	HP 250 G9/CT	JPH318LWHJ	HP	-
D	AC Adapter	TPN-LA15	L25296-001	HP	-
E	AC Adapter	FJ-SW126K1200850DN	-	SHENZHEN FUJIA APPLIANCE CO., LTD	-
F	Power Supply(DC)	PNA35-10A	BP002287	Kikusui Electronics Corp.	-

List of Cables Used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	DC(+)	3.0	Unshielded	Unshielded	-
2	GND	3.0	Unshielded	Unshielded	-
3	WAKEUP	3.0 + 1.7	Unshielded	Unshielded	-
4	Signal	3.0	Unshielded	Unshielded	-
5	Ethernet	3.0	Shielded	Shielded	-
6	LAN	10.0	Unshielded	Unshielded	-
7	DC	1.7	Unshielded	Unshielded	-
8	AC	1.0	Unshielded	Unshielded	-
9	DC	1.2	Unshielded	Unshielded	-
10	AC	1.8	Unshielded	Unshielded	-

[Radiated Emission test]



- * Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.
- * As a result of comparing WLAN Antenna Type LHD and RHD at pre-check, the test was performed with the worst antenna: LHD as representative.

Description of EUT and Support Equipment

No.	Item	Model number	Serial Number	Manufacturer	Remarks
A	Vehicle equipment	UXC10	RE_No.2	ALPS ALPINE CO., LTD.	EUT
B	Cluster Display	60053652	SAV00037AC506 10107	ALPS ALPINE CO., LTD.	-
C	Cluster Display	60053652	SAV00037AC506 10105	ALPS ALPINE CO., LTD.	-
D	Speaker Load Box	-	-	ALPS ALPINE CO., LTD.	-
E	DC Power supply	PAN35-10A	CY003459	Kikusui Electronics Corp.	-
F	Wi-Fi Antenna	32389633	00000002	ALPS ALPINE CO., LTD.	EUT
G	Wi-Fi Antenna	32389633	00000003	ALPS ALPINE CO., LTD.	EUT
H	DC Power Distribution Strip Box	F-1028	-	CZH Electronic Technology Co., Ltd.	-

List of Cables Used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	AUD BATT	3.0	Unshielded	Unshielded	AUD Power connector
2	UXC_BATT	3.0	Unshielded	Unshielded	UXC Power connector
3	GND	3.0	Unshielded	Unshielded	Bonded to the housing
4	GND	3.0	Unshielded	Unshielded	Bonded to the housing
5	Display	3.0	Shielded	Shielded	Display connector
6	Display	3.0	Shielded	Shielded	-
7	Power cable (+)	3.0	Unshielded	Unshielded	-
8	Power cable (+)	3.0	Unshielded	Unshielded	-
9	Camera	3.0	Shielded	Shielded	Camera connector
10	Camera	3.0	Shielded	Shielded	-
11	USB	3.0	Shielded	Shielded	USB connector
12	Ethernet	3.0	Shielded	Shielded	Dual Ethernet connector
13	Ethernet	3.0	Shielded	Shielded	-
14	Ethernet	3.0	Shielded	Shielded	Quad Ethernet connector
15	Ethernet	3.0	Shielded	Shielded	-
16	Ethernet	3.0	Shielded	Shielded	-
17	Ethernet	3.0	Shielded	Shielded	-
18	Signal	3.0	Unshielded	Unshielded	A2B connector
19	Signal (A2B)	3.0	Unshielded	Unshielded	Speaker / A2B connector
20	MD UART TX / RX	3.0	Unshielded	Unshielded	-
21	Speaker TFR	2.8	Unshielded	Unshielded	-
22	Speaker	3.0	Unshielded	Unshielded	-
23	HKP_UART_TX / RX	3.0	Unshielded	Unshielded	Speaker / CAN connector
24	CAN 1	3.0	Unshielded	Unshielded	-
25	CAN 2	3.0	Unshielded	Unshielded	-
26	Speaker TFL	2.8	Unshielded	Unshielded	-
27	Speaker	3.0	Unshielded	Unshielded	-
28	Speaker WSR	2.8	Unshielded	Unshielded	Speaker connector 14 pin (Right side)
29	Speaker TSR	2.8	Unshielded	Unshielded	-
30	Speaker	3.0	Unshielded	Unshielded	-
31	Speaker MTSR	2.8	Unshielded	Unshielded	Speaker connector 8 pin (Right side)
32	Speaker	3.0	Unshielded	Unshielded	-
33	Speaker MFCR	2.8	Unshielded	Unshielded	Speaker connector 10 pin (Left side)
34	Speaker	3.0	Unshielded	Unshielded	-
35	Speaker WFL	2.8	Unshielded	Unshielded	Speaker connector 12 pin (Left side)
36	Speaker TSL	2.8	Unshielded	Unshielded	-
37	Speaker	3.0	Unshielded	Unshielded	-
38	WIFI_1	1.4	Shielded	Shielded	Wi-Fi-ANT connector
39	WIFI_2	1.4	Shielded	Shielded	connector
40	AC Power	1.9	Unshielded	Unshielded	-
41	BATT	1.5	Unshielded	Unshielded	-
42	GND	1.5	Unshielded	Unshielded	-

SECTION 5: Radiated Spurious Emission

Test Procedure

[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.

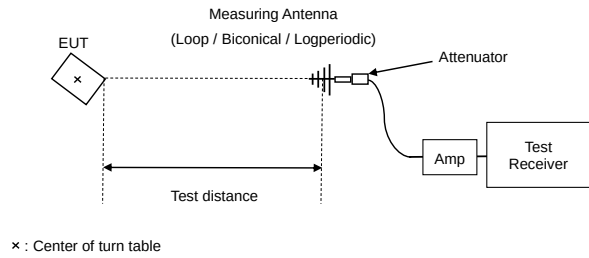
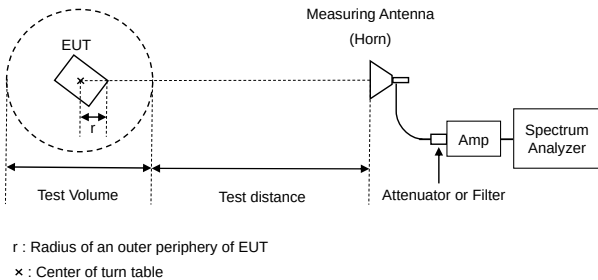
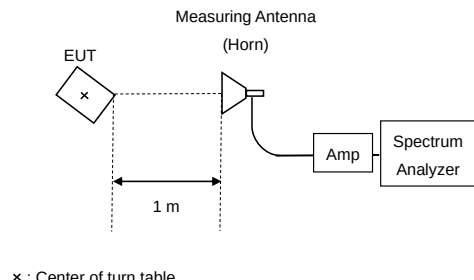
20 dBc was applied to the frequency over the limit of FCC 15.209 / Table 4 of RSS-Gen 8.9(ISED) and outside the restricted band of FCC15.205 / Table 6 of RSS-Gen 8.10 (ISED).

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	for other than Floor noise of BT LE mode *1) for Other than the above <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

*1) Measurement with Average detector was not performed. The limit for Average detector is applied to the measurement value with Peak detector used Duty cycle correction factor (DCCF).

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: $20 \times \log (3.73 \text{ m}^* / 3.0 \text{ m}) = 1.90 \text{ dB}$ $*(\text{Test Distance} + \text{SVSWR Volume} / 2) - r = 3.73 \text{ m}$ Test Distance: 3.0 m SVSWR Volume: 2.0 m (SVSWR Volume has been calibrated based on CISPR 16-1-4.) r: 0.27 m
10 GHz to 26.5 GHz	
 × : Center of turn table	Distance Factor: $20 \times \log (1.0 \text{ m} / 3.0 \text{ m}) = -9.54 \text{ dB}$ *Test Distance: 1 m

[WLAN]

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

	30 MHz to 1 GHz	1 GHz to 2.8 GHz	2.8 GHz to 10 GHz	10 GHz to 18 GHz	18 GHz to 26.5 GHz
Horizontal	X	X	Z	X	X
Vertical	X	Z	Y	X	X

[BT LE]

The test was made on EUT at the normal use position.

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

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	Enough width to display of -6 dB down amplitude	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, 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)

*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
October 03, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11b

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	13057.7	7.549	> 0.5000
2437	13109.1	7.423	> 0.5000
2462	13087.2	7.427	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada

11g

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	16631.5	16.550	> 0.5000
2437	16622.5	16.565	> 0.5000
2462	16612.3	16.530	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11n-20, SISO

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	17815.8	17.790	> 0.5000
2437	17812.2	17.781	> 0.5000
2462	17822.6	17.774	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDM), SISO

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	19089.1	19.189	> 0.5000
2437	19082.0	19.150	> 0.5000
2462	19118.6	19.160	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDMA), 26-tone RU, SISO

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	0	18407.9	2.086	> 0.5000
2437	4	16964.4	2.637	> 0.5000
2462	8	18419.7	2.081	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDMA), 52-tone RU, SISO

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	37	18280.5	4.085	> 0.5000
2437	38	17111.3	4.082	> 0.5000
2462	40	18127.7	4.097	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDMA), 106-tone RU, SISO

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	53	18190.3	8.400	> 0.5000
2437	53	18189.9	8.394	> 0.5000
2462	54	18294.2	8.374	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDMA), 242-tone RU, SISO

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	61	19104.7	19.145	> 0.5000
2437	61	19077.2	19.137	> 0.5000
2462	61	19085.4	19.159	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
November 04, 2025	MR2	21 deg.C	34 %RH	Yuta Shiba

BT LE 1M-PHY

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2402	1023.2	0.669	> 0.5000
2440	1026.1	0.669	> 0.5000
2480	1023.0	0.668	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

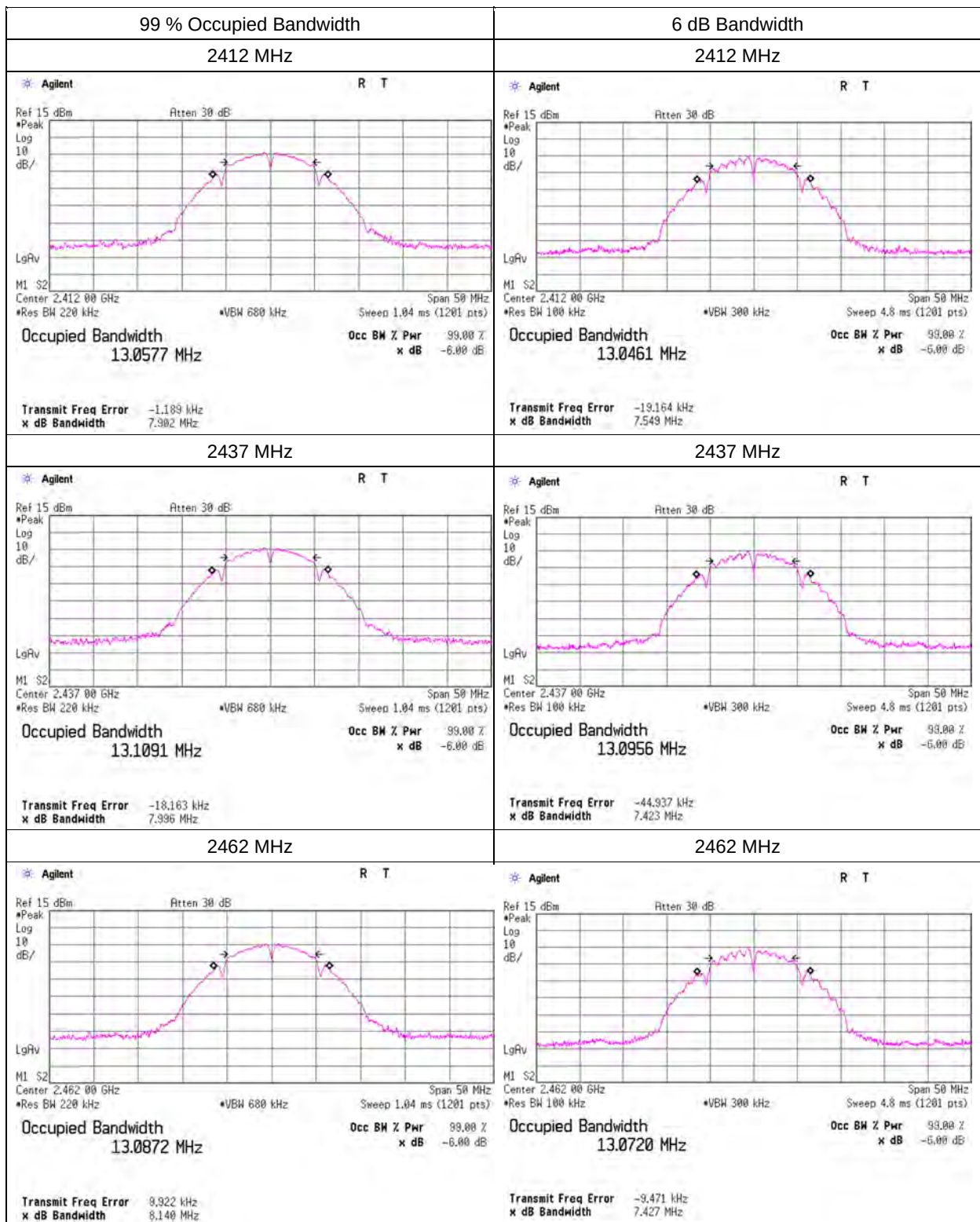
Date	Test Place	Temperature	Humidity	Engineer
November 04, 2025	MR2	21 deg.C	34 %RH	Yuta Shiba

BT LE 2M-PHY

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2402	1998.8	1.151	> 0.5000
2440	1998.8	1.170	> 0.5000
2480	1999.9	1.158	> 0.5000

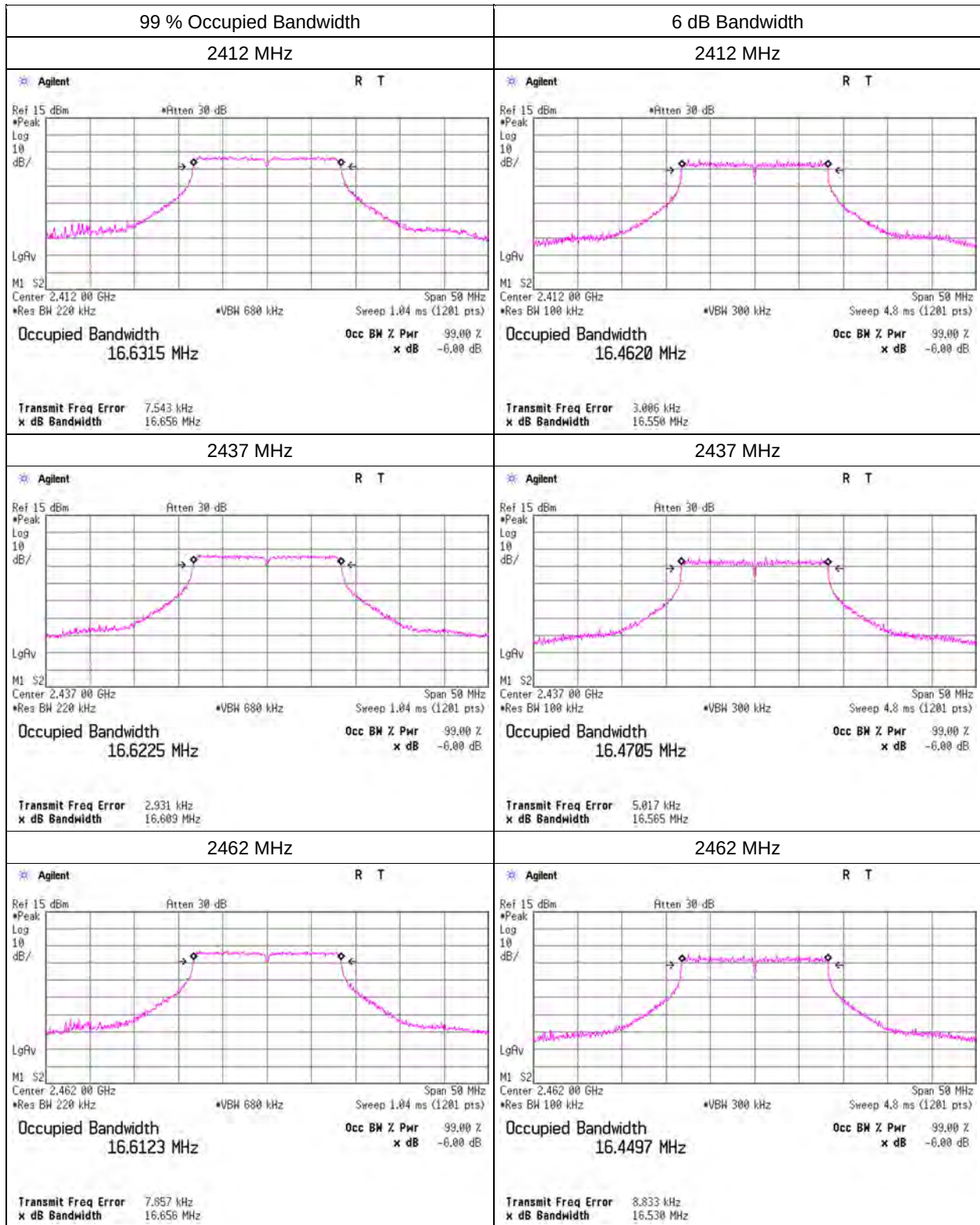
99 % Occupied Bandwidth and 6 dB Bandwidth

11b



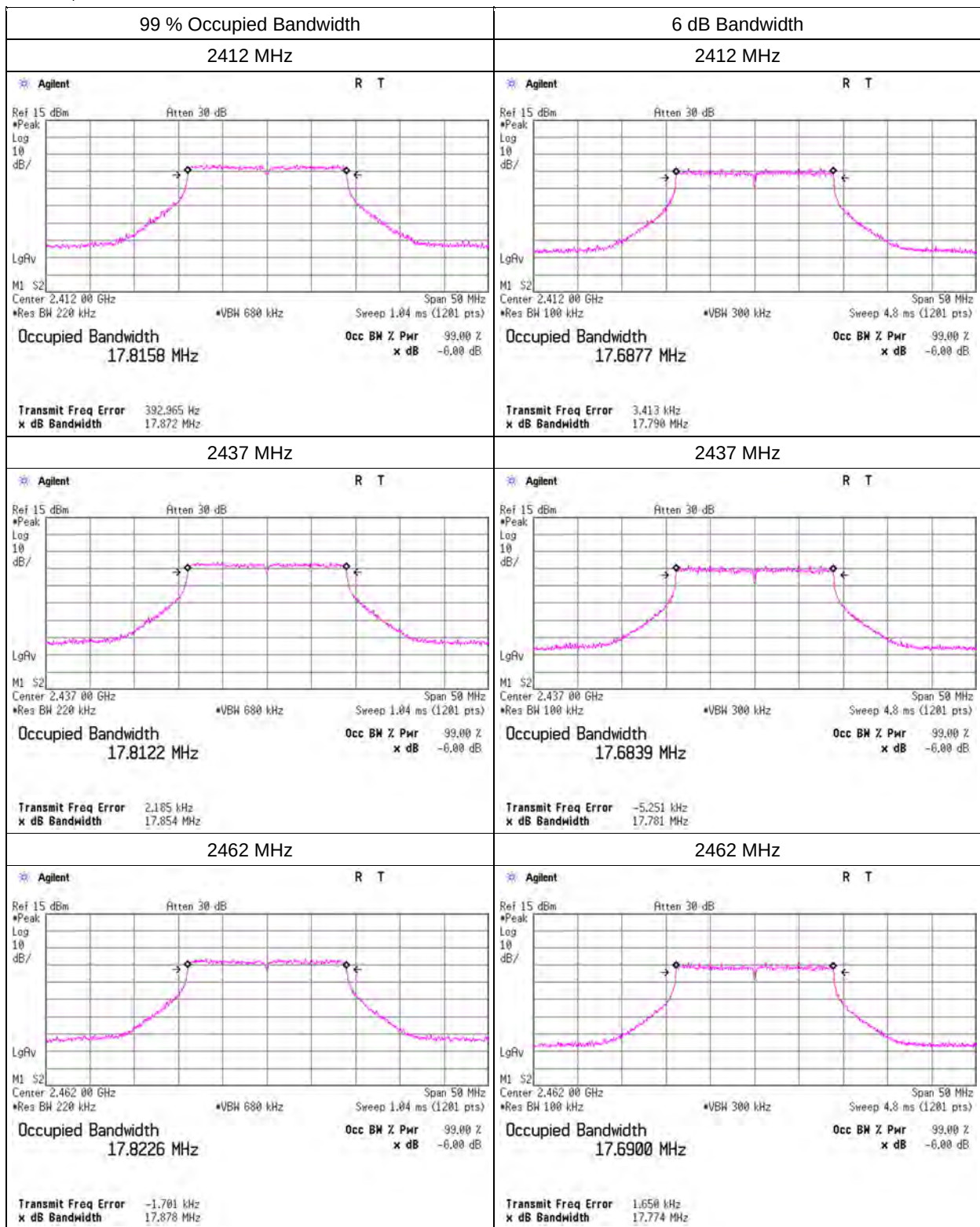
99 % Occupied Bandwidth and 6 dB Bandwidth

11g



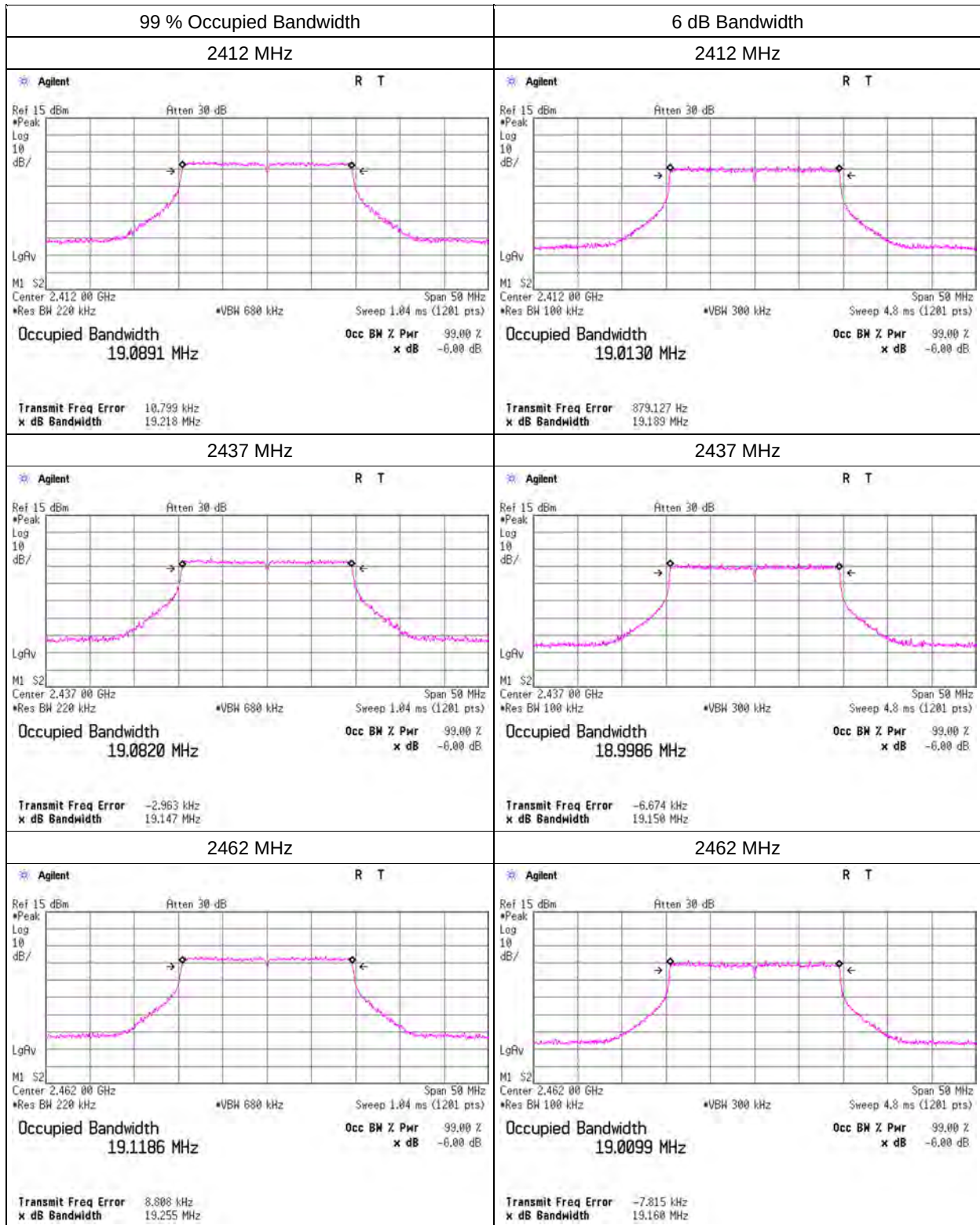
99 % Occupied Bandwidth and 6 dB Bandwidth

11n-20, SISO



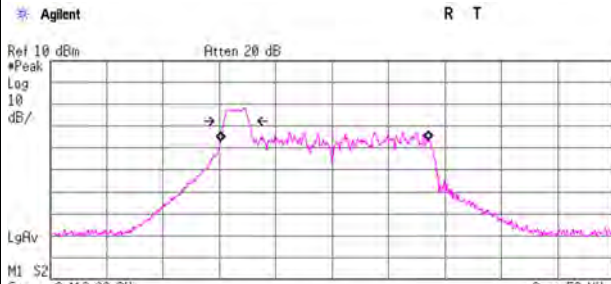
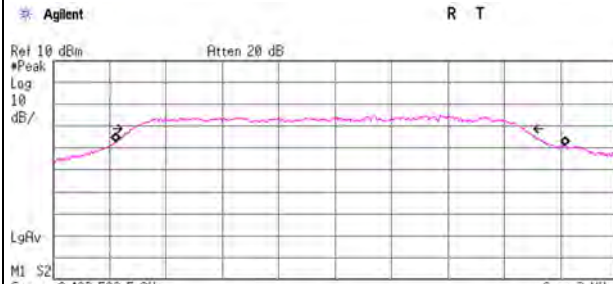
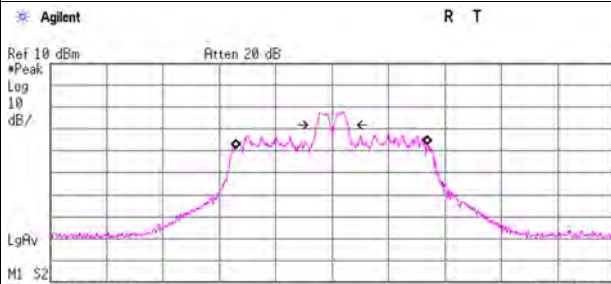
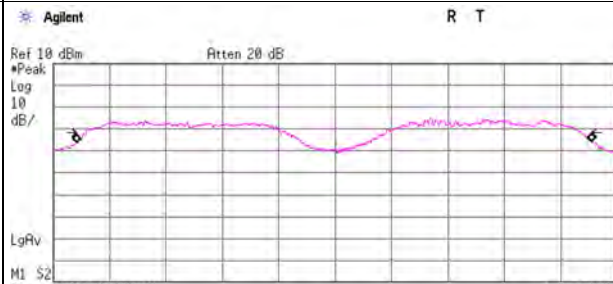
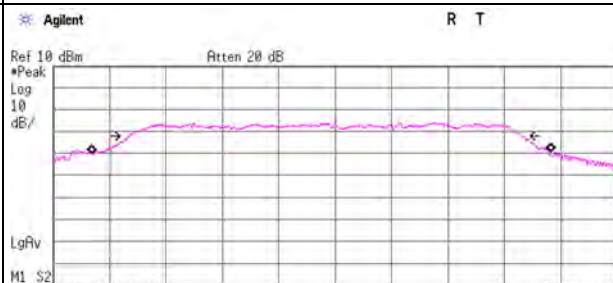
99 % Occupied Bandwidth and 6 dB Bandwidth

11ax-20(OFDM), SISO



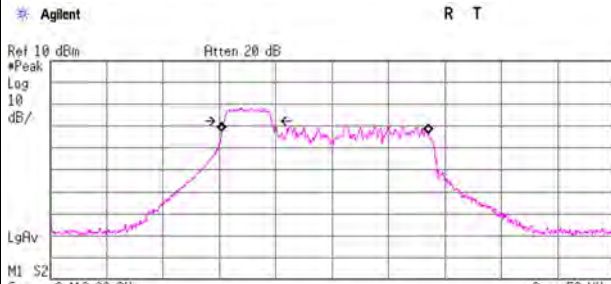
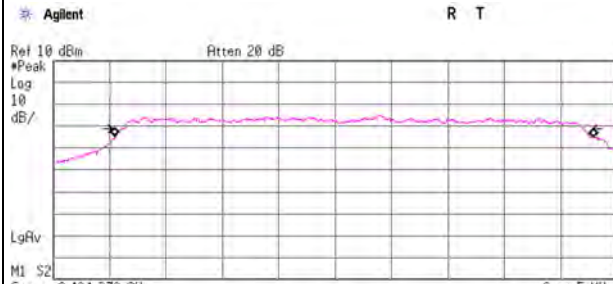
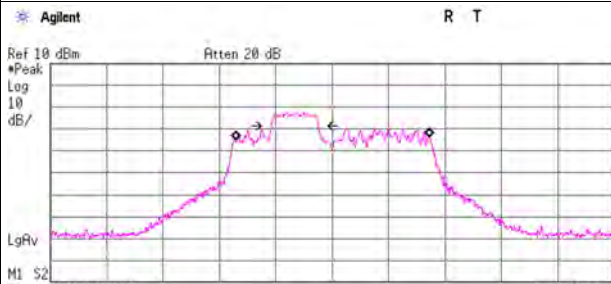
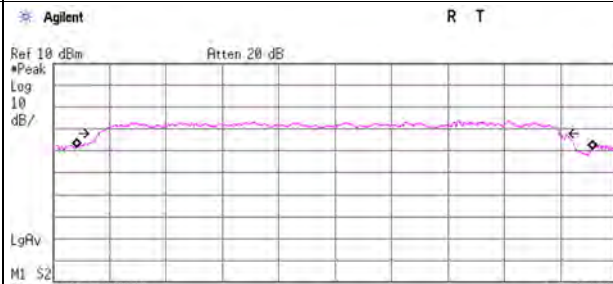
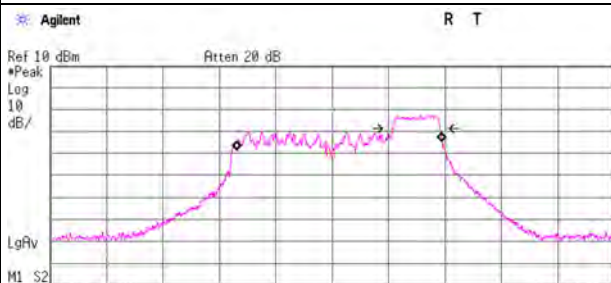
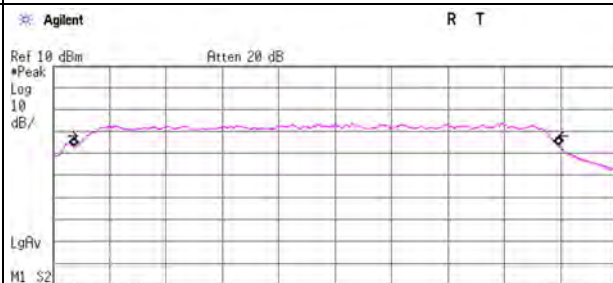
99 % Occupied Bandwidth and 6 dB Bandwidth

11ax-20(OFDMA), 26-tone RU, SISO

99 % Occupied Bandwidth	6 dB Bandwidth
2412 MHz	2412 MHz
RU Index 0	RU Index 0
 Agilent R T Ref 10 dBm *Peak Log 10 dB/ LgRv Atten 20 dB M1 S2 Center 2.412 00 GHz *Res BW 220 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.4079 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth -658.000 kHz 2.182 MHz	 Agilent R T Ref 10 dBm *Peak Log 10 dB/ LgRv Atten 20 dB M1 S2 Center 2.403 562 5 GHz *Res BW 100 kHz Span 3 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 2.3879 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth 27.466 kHz 2.086 MHz
2437 MHz	2437 MHz
RU Index 4	RU Index 4
 Agilent R T Ref 10 dBm *Peak Log 10 dB/ LgRv Atten 20 dB M1 S2 Center 2.437 00 GHz *Res BW 220 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 16.9644 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth -15.328 kHz 2.749 MHz	 Agilent R T Ref 10 dBm *Peak Log 10 dB/ LgRv Atten 20 dB M1 S2 Center 2.437 000 0 GHz *Res BW 100 kHz Span 3 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 2.7408 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth -4.688 kHz 2.637 MHz
2462 MHz	2462 MHz
RU Index 8	RU Index 8
 Agilent R T Ref 10 dBm *Peak Log 10 dB/ LgRv Atten 20 dB M1 S2 Center 2.462 00 GHz *Res BW 220 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.4197 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth 776.060 kHz 2.141 MHz	 Agilent R T Ref 10 dBm *Peak Log 10 dB/ LgRv Atten 20 dB M1 S2 Center 2.470 515 6 GHz *Res BW 100 kHz Span 3 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 2.4389 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth -72.485 kHz 2.081 MHz

99 % Occupied Bandwidth and 6 dB Bandwidth

11ax-20(OFDMA), 52-tone RU, SISO

99 % Occupied Bandwidth	6 dB Bandwidth
2412 MHz	2412 MHz
RU Index 37	RU Index 37
 Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.412 00 GHz *Res BW 220 kHz *VBW 680 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.2805 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth -591.380 kHz 4.183 MHz	 Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.404 370 GHz *Res BW 100 kHz *VBW 300 kHz Span 5 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 4.2405 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth 170.632 kHz 4.085 MHz
2437 MHz	2437 MHz
RU Index 38	RU Index 38
 Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.437 00 GHz *Res BW 220 kHz *VBW 680 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 17.1113 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth 34.655 kHz 4.155 MHz	 Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.433 719 GHz *Res BW 100 kHz *VBW 300 kHz Span 5 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 4.5756 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth -3.285 kHz 4.082 MHz
2462 MHz	2462 MHz
RU Index 40	RU Index 40
 Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.462 00 GHz *Res BW 220 kHz *VBW 680 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.1277 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth 657.770 kHz 4.150 MHz	 Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.469 600 GHz *Res BW 100 kHz *VBW 300 kHz Span 5 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 4.2869 MHz Occ BW X Pwr x dB -6.00 dB Transmit Freq Error x dB Bandwidth -168.259 kHz 4.097 MHz

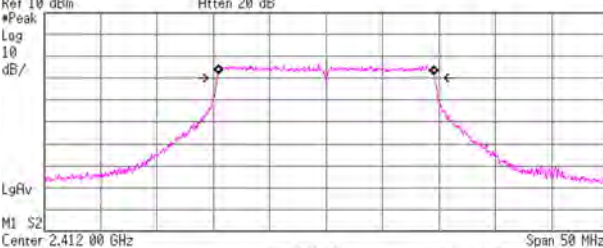
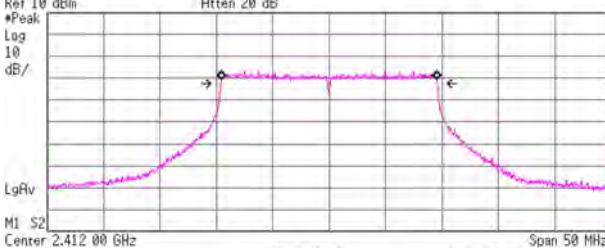
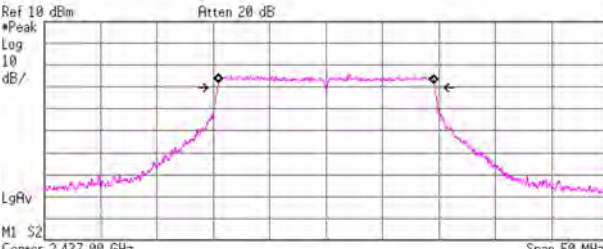
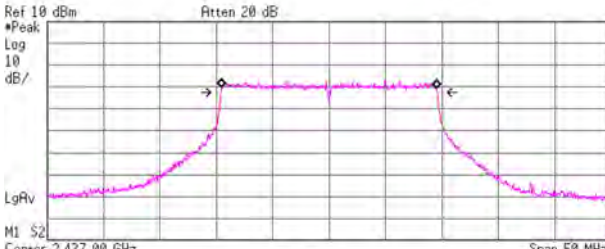
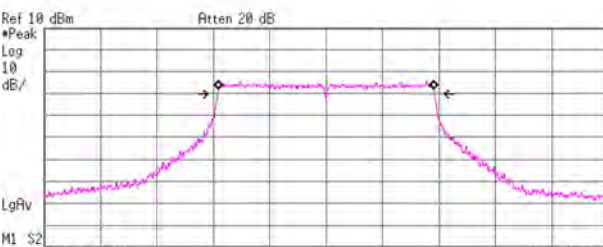
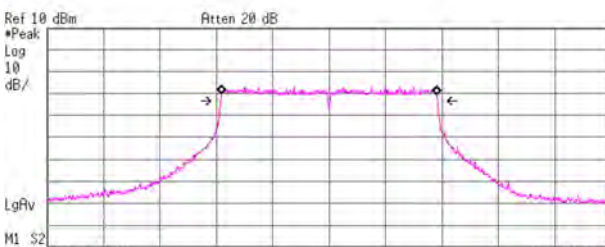
99 % Occupied Bandwidth and 6 dB Bandwidth

11ax-20(OFDMA), 106-tone RU, SISO

99 % Occupied Bandwidth	6 dB Bandwidth
2412 MHz	2412 MHz
RU Index 53	RU Index 53
Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.412 00 GHz *Res BW 220 kHz *VBW 680 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.1903 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -528.688 kHz x dB Bandwidth 17.201 MHz	Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.406 609 0 GHz *Res BW 100 kHz *VBW 300 kHz Span 9 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 8.3715 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 26.572 kHz x dB Bandwidth 8.400 MHz
2437 MHz	2437 MHz
RU Index 53	RU Index 53
Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.437 00 GHz *Res BW 220 kHz *VBW 680 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.1899 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -542.433 kHz x dB Bandwidth 17.110 MHz	Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.431 609 4 GHz *Res BW 100 kHz *VBW 300 kHz Span 9 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 8.3706 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 27.943 kHz x dB Bandwidth 8.394 MHz
2462 MHz	2462 MHz
RU Index 54	RU Index 54
Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.462 00 GHz *Res BW 220 kHz *VBW 680 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.2942 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 523.784 kHz x dB Bandwidth 17.211 MHz	Agilent R T Ref 10 dBm *Peak Log 10 dB/ Atten 20 dB LgRv M1 S2 Center 2.467 468 8 GHz *Res BW 100 kHz *VBW 300 kHz Span 9 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 8.3627 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -84.876 kHz x dB Bandwidth 8.374 MHz

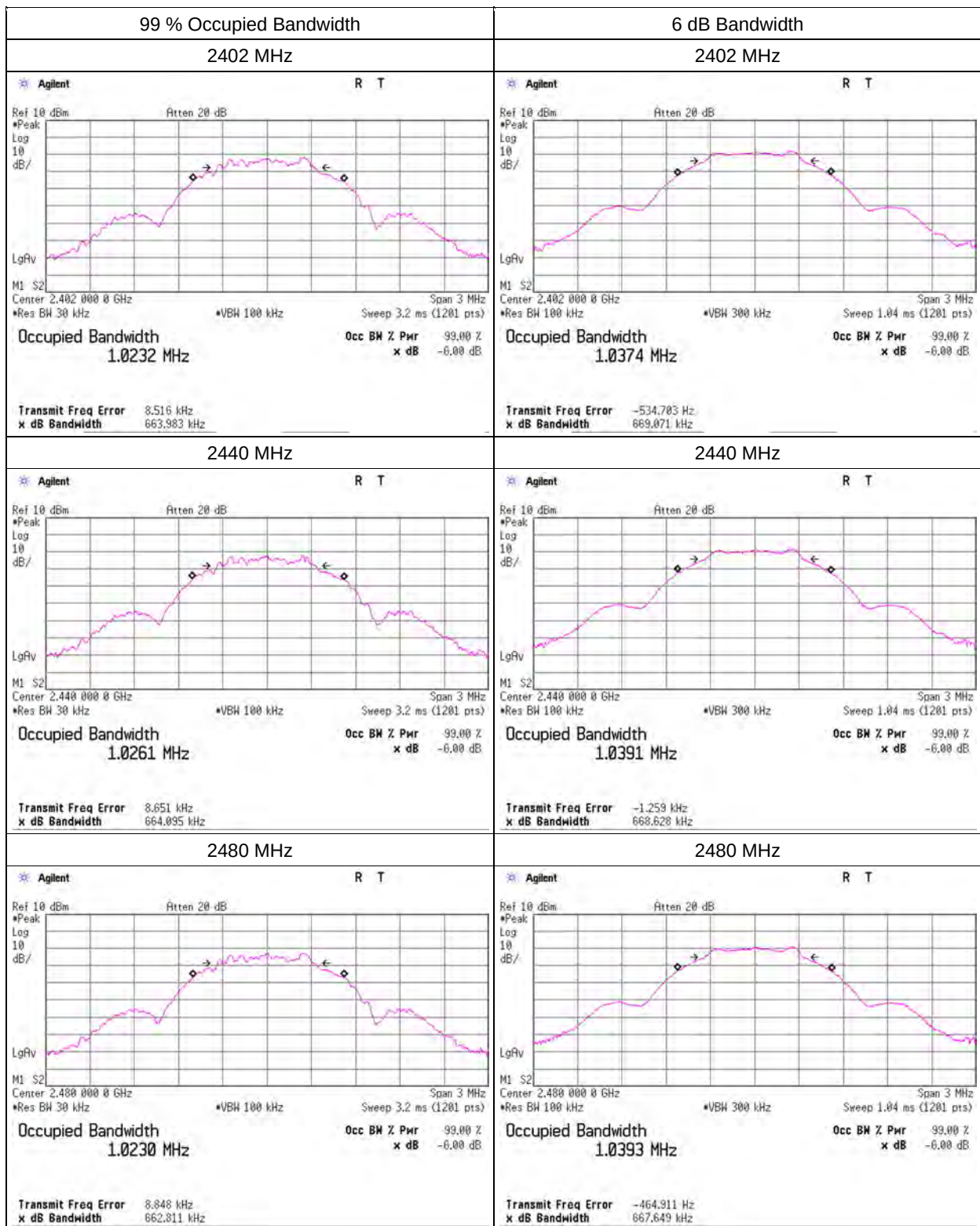
99 % Occupied Bandwidth and 6 dB Bandwidth

11ax-20(OFDMA), 242-tone RU, SISO

99 % Occupied Bandwidth	6 dB Bandwidth
2412 MHz	2412 MHz
RU Index 61	RU Index 61
Agilent R T  Center 2.412 00 GHz Res BW 220 kHz VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 19.1047 MHz Transmit Freq Error -4.408 kHz x dB Bandwidth 19.218 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB	Agilent R T  Center 2.412 00 GHz Res BW 100 kHz VBW 300 kHz Sweep 4.8 ms (1201 pts) Occupied Bandwidth 18.9940 MHz Transmit Freq Error -2.168 kHz x dB Bandwidth 19.145 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB
2437 MHz	2437 MHz
RU Index 61	RU Index 61
Agilent R T  Center 2.437 00 GHz Res BW 220 kHz VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 19.0772 MHz Transmit Freq Error 17.787 kHz x dB Bandwidth 19.191 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB	Agilent R T  Center 2.437 00 GHz Res BW 100 kHz VBW 300 kHz Sweep 4.8 ms (1201 pts) Occupied Bandwidth 18.9972 MHz Transmit Freq Error -2.715 kHz x dB Bandwidth 19.137 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB
2462 MHz	2462 MHz
RU Index 61	RU Index 61
Agilent R T  Center 2.462 00 GHz Res BW 220 kHz VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 19.0854 MHz Transmit Freq Error 6.273 kHz x dB Bandwidth 19.211 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB	Agilent R T  Center 2.462 00 GHz Res BW 100 kHz VBW 300 kHz Sweep 4.8 ms (1201 pts) Occupied Bandwidth 18.9887 MHz Transmit Freq Error 4.444 kHz x dB Bandwidth 19.159 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB

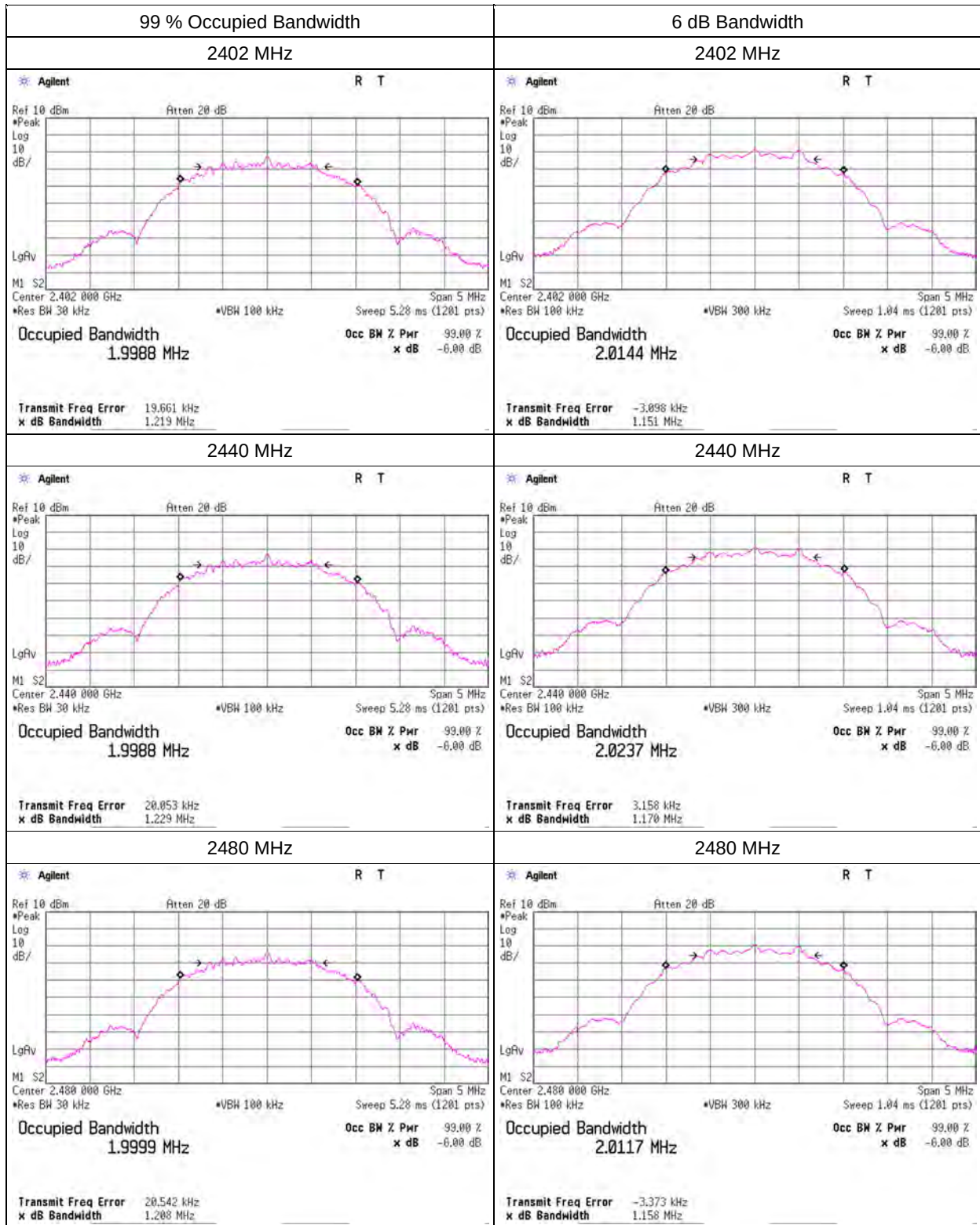
99 % Occupied Bandwidth and 6 dB Bandwidth

BT LE 1M-PHY



99 % Occupied Bandwidth and 6 dB Bandwidth

BT LE 2M-PHY



Maximum Peak Output Power

Mode	Tx 11b
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11b, SISO

Antenna Port: Chain2

Antenna Port: Chain2				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	5.88	2.84	9.98	18.70	74.14	30.00	1000.00	11.30	2.50	21.20	131.83	36.02	4000.00	14.82
2437	5.59	2.81	9.98	18.38	68.87	30.00	1000.00	11.62	2.50	20.88	122.47	36.02	4000.00	15.14
2462	5.36	2.78	9.98	18.12	64.87	30.00	1000.00	11.88	2.50	20.62	115.35	36.02	4000.00	15.40

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		Remark
						[dBm]	[mW]	
Chain1	1	-	4.91	2.86	10.05	17.82	60.53	-
	2(short)	-	4.99	2.86	10.05	17.90	61.66	-
	2(long)	-	4.91	2.86	10.05	17.82	60.53	-
	5.5(short)	-	4.96	2.86	10.05	17.87	61.24	-
	5.5(long)	-	4.71	2.86	10.05	17.62	57.81	-
	11(short)	-	4.98	2.86	10.05	17.89	61.52	-
	11(long)	-	4.75	2.86	10.05	17.66	58.34	-
Chain2	1	-	5.76	2.84	9.98	18.58	72.11	-
	2(short)	-	5.88	2.84	9.98	18.70	74.14	*
	2(long)	-	5.78	2.84	9.98	18.60	72.44	-
	5.5(short)	-	5.86	2.84	9.98	18.68	73.79	-
	5.5(long)	-	5.75	2.84	9.98	18.57	71.94	-
	11(short)	-	5.87	2.84	9.98	18.69	73.96	-
	11(long)	-	5.76	2.84	9.98	18.58	72.11	-

*Worst Rate

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx 11g
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11g, SISO

Antenna Port: Chain2

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]
2412	12.32	2.84	9.98	25.14	326.59	30.00	1000.00	4.86	2.50	27.64	580.77	36.02	4000.00	8.38
2437	12.10	2.81	9.98	24.89	308.32	30.00	1000.00	5.11	2.50	27.39	548.28	36.02	4000.00	8.63
2462	12.05	2.78	9.98	24.81	302.70	30.00	1000.00	5.19	2.50	27.31	538.27	36.02	4000.00	8.71

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		Remark
						[dBm]	[mW]	
Chain1	6	-	7.21	2.86	10.05	20.12	102.80	-
	9	-	7.30	2.86	10.05	20.21	104.95	-
	12	-	9.44	2.86	10.05	22.35	171.79	-
	18	-	10.49	2.86	10.05	23.40	218.78	-
	24	-	11.55	2.86	10.05	24.46	279.25	-
	36	-	11.44	2.86	10.05	24.35	272.27	-
	48	-	11.60	2.86	10.05	24.51	282.49	-
	54	-	10.24	2.86	10.05	23.15	206.54	-
Chain2	6	-	8.08	2.84	9.98	20.90	123.03	-
	9	-	8.13	2.84	9.98	20.95	124.45	-
	12	-	7.89	2.84	9.98	20.71	117.76	-
	18	-	10.39	2.84	9.98	23.21	209.41	-
	24	-	12.32	2.84	9.98	25.14	326.59	*
	36	-	12.27	2.84	9.98	25.09	322.85	-
	48	-	12.11	2.84	9.98	24.93	311.17	-
	54	-	11.78	2.84	9.98	24.60	288.40	-

*Worst Rate

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx 11n-20, SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11n-20, SISO

Antenna Port: Chain2

Antenna Port: Chain2				Conducted Power					e.i.r.p. for RSS-247					
Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]	Antenna Gain [dBi]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]			[dBm]	[mW]	[dBm]	[mW]	
2412	11.90	2.84	9.98	24.72	296.49	30.00	1000.00	5.28	2.50	27.22	527.23	36.02	4000.00	8.80
2437	11.86	2.81	9.98	24.65	291.75	30.00	1000.00	5.35	2.50	27.15	518.81	36.02	4000.00	8.87
2462	11.73	2.78	9.98	24.49	281.20	30.00	1000.00	5.51	2.50	26.99	500.04	36.02	4000.00	9.03

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	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm] [mW]		Remark
Chain1	0	-	6.86	2.86	10.05	19.77	94.84	-
	1	-	6.75	2.86	10.05	19.66	92.47	-
	2	-	9.02	2.86	10.05	21.93	155.96	-
	3	-	9.36	2.86	10.05	22.27	168.66	-
	4	-	11.29	2.86	10.05	24.20	263.03	-
	5	-	10.42	2.86	10.05	23.33	215.28	-
	6	-	10.16	2.86	10.05	23.07	202.77	-
Chain2	7	-	9.30	2.86	10.05	22.21	166.34	-
	0	-	7.74	2.84	9.98	20.56	113.76	-
	1	-	7.72	2.84	9.98	20.54	113.24	-
	2	-	10.26	2.84	9.98	23.08	203.24	-
	3	-	10.28	2.84	9.98	23.10	204.17	-
	4	-	11.90	2.84	9.98	24.72	296.49	*
	5	-	11.40	2.84	9.98	24.22	264.24	-
	6	-	11.18	2.84	9.98	24.00	251.19	-
	7	-	11.03	2.84	9.98	23.85	242.66	-

*Worst MCS

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx 11n-20, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11n-20, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	Conducted power						e.i.r.p. for RSS-247					
	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
2412	153.36	193.57	346.92	25.41	30.00	4.59	272.71	344.21	616.92	27.91	36.02	8.11
2437	142.80	168.60	311.40	24.94	30.00	5.06	253.93	299.82	553.75	27.44	36.02	8.58
2462	129.87	158.72	288.59	24.61	30.00	5.39	230.94	282.26	513.20	27.11	36.02	8.91

Tested Freq. [MHz]	Chain1						Chain2					
	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
2412	8.95	2.86	10.05	2.50	21.86	24.36	10.05	2.84	9.98	2.50	22.87	25.37
2437	8.67	2.83	10.05	2.50	21.55	24.05	9.48	2.81	9.98	2.50	22.27	24.77
2462	8.29	2.80	10.05	2.50	21.14	23.64	9.25	2.78	9.98	2.50	22.01	24.51

Sample Calculation:

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

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

Directional Gain = G_{ANT} + Array Gain

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

Worst rate check (2412 MHz)

MCS Index	Reading [dBm]	Cable Loss [dB]	Chain1 Atten. Loss [dB]	Result		Reading [dBm]	Cable Loss [dB]	Chain2 Atten. Loss [dB]	Result		Total Result Power		Remark
				[dBm]	[mW]				[dBm]	[mW]	[dBm]	[mW]	
0	4.16	2.86	10.05	17.07	50.90	4.91	2.84	9.98	17.73	59.27	20.43	110.17	-
1	4.11	2.86	10.05	17.02	50.32	4.89	2.84	9.98	17.71	59.00	20.39	109.31	-
2	6.64	2.86	10.05	19.55	90.10	7.71	2.84	9.98	20.53	112.93	23.08	203.03	-
3	6.42	2.86	10.05	19.33	85.65	7.66	2.84	9.98	20.48	111.64	22.96	197.29	-
4	8.95	2.86	10.05	21.86	153.36	10.05	2.84	9.98	22.87	193.57	25.41	346.92	*
5	7.81	2.86	10.05	20.72	117.95	8.92	2.84	9.98	21.74	149.22	24.27	267.17	-
6	7.69	2.86	10.05	20.60	114.74	8.93	2.84	9.98	21.75	149.56	24.23	264.30	-
7	6.41	2.86	10.05	19.32	85.45	7.41	2.84	9.98	20.23	105.40	22.81	190.85	-
8	4.12	2.86	10.05	17.03	50.43	4.93	2.84	9.98	17.75	59.54	20.42	109.97	-
9	3.95	2.86	10.05	16.86	48.50	4.80	2.84	9.98	17.62	57.79	20.27	106.28	-
10	6.65	2.86	10.05	19.56	90.30	7.57	2.84	9.98	20.39	109.35	23.01	199.66	-
11	6.23	2.86	10.05	19.14	81.98	7.33	2.84	9.98	20.15	103.47	22.69	185.45	-
12	8.93	2.86	10.05	21.84	152.65	9.70	2.84	9.98	22.52	178.58	25.21	331.23	-
13	7.89	2.86	10.05	20.80	120.14	9.04	2.84	9.98	21.86	153.40	24.38	273.55	-
14	7.87	2.86	10.05	20.78	119.59	9.05	2.84	9.98	21.87	153.75	24.37	273.35	-
15	7.51	2.86	10.05	20.42	110.08	7.90	2.84	9.98	20.72	117.99	23.59	228.06	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

Maximum Peak Output Power

Mode	Tx 11ax-20(OFDM), SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDM), SISO

Antenna Port: Chain2

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]
2412	12.25	2.84	9.98	25.07	321.37	30.00	1000.00	4.93	2.50	27.57	571.48	36.02	4000.00	8.45
2437	12.02	2.81	9.98	24.81	302.70	30.00	1000.00	5.19	2.50	27.31	538.27	36.02	4000.00	8.71
2462	11.78	2.78	9.98	24.54	284.45	30.00	1000.00	5.46	2.50	27.04	505.83	36.02	4000.00	8.98

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	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
Chain1	0	-	8.30	2.86	10.05	21.21	132.13	-
	1	-	8.21	2.86	10.05	21.12	129.42	-
	2	-	10.38	2.86	10.05	23.29	213.30	-
	3	-	10.33	2.86	10.05	23.24	210.86	-
	4	-	11.20	2.86	10.05	24.11	257.63	-
	5	-	10.35	2.86	10.05	23.26	211.84	-
	6	-	10.26	2.86	10.05	23.17	207.49	-
	7	-	9.57	2.86	10.05	22.48	177.01	-
	8	-	9.13	2.86	10.05	22.04	159.96	-
	9	-	8.76	2.86	10.05	21.67	146.89	-
	10	-	8.22	2.86	10.05	21.13	129.72	-
	11	-	7.02	2.86	10.05	19.93	98.40	-
Chain2	0	-	9.20	2.84	9.98	22.02	159.22	-
	1	-	9.08	2.84	9.98	21.90	154.88	-
	2	-	10.91	2.84	9.98	23.73	236.05	-
	3	-	11.03	2.84	9.98	23.85	242.66	-
	4	-	12.25	2.84	9.98	25.07	321.37	*
	5	-	11.38	2.84	9.98	24.20	263.03	-
	6	-	11.23	2.84	9.98	24.05	254.10	-
	7	-	10.83	2.84	9.98	23.65	231.74	-
	8	-	10.82	2.84	9.98	23.64	231.21	-
	9	-	10.14	2.84	9.98	22.96	197.70	-
	10	-	8.88	2.84	9.98	21.70	147.91	-
	11	-	9.31	2.84	9.98	22.13	163.31	-

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx 11ax-20(OFDM), MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDM), MIMO

Chain1 + Chain2

Tested Freq. [MHz]	Conducted power						e.i.r.p. for RSS-247					
	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
2412	180.59	205.98	386.58	25.88	30.00	4.12	321.15	366.29	687.44	28.38	36.02	7.64
2437	162.08	172.53	334.60	25.25	30.00	4.75	288.22	306.80	595.02	27.75	36.02	8.27
2462	146.72	165.44	312.17	24.95	30.00	5.05	260.92	294.20	555.12	27.45	36.02	8.57

Tested Freq. [MHz]	Chain1						Chain2					
	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
2412	9.66	2.86	10.05	2.50	22.57	25.07	10.32	2.84	9.98	2.50	23.14	25.64
2437	9.22	2.83	10.05	2.50	22.10	24.60	9.58	2.81	9.98	2.50	22.37	24.87
2462	8.82	2.80	10.05	2.50	21.67	24.17	9.43	2.78	9.98	2.50	22.19	24.69

Sample Calculation:

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

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

Directional Gain = G_{ANT} + Array Gain

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

Worst rate check (2412 MHz)

MCS Index	Reading [dBm]	Cable Loss [dB]	Chain1 Atten. Loss [dB]	Result		Reading [dBm]	Cable Loss [dB]	Chain2 Atten. Loss [dB]	Result		Total Result Power		Remark
				[dBm]	[mW]				[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	5.52	2.86	10.05	18.43	69.62	6.23	2.84	9.98	19.05	80.32	21.76	149.94	-
1 (1SS)	5.45	2.86	10.05	18.36	68.50	6.18	2.84	9.98	19.00	79.40	21.70	147.90	-
2 (1SS)	7.88	2.86	10.05	20.79	119.87	8.56	2.84	9.98	21.38	137.35	24.11	257.22	-
3 (1SS)	7.76	2.86	10.05	20.67	116.60	8.46	2.84	9.98	21.28	134.22	24.00	250.82	-
4 (1SS)	9.66	2.86	10.05	22.57	180.59	10.32	2.84	9.98	23.14	205.98	25.88	386.58	*
5 (1SS)	7.95	2.86	10.05	20.86	121.82	9.18	2.84	9.98	22.00	158.43	24.48	280.24	-
6 (1SS)	7.97	2.86	10.05	20.88	122.38	9.05	2.84	9.98	21.87	153.75	24.42	276.13	-
7 (1SS)	7.69	2.86	10.05	20.60	114.74	9.89	2.84	9.98	22.71	186.56	24.80	301.30	-
8 (1SS)	7.06	2.86	10.05	19.97	99.24	8.83	2.84	9.98	21.65	146.16	23.90	245.40	-
9 (1SS)	6.50	2.86	10.05	19.41	87.24	7.19	2.84	9.98	20.01	100.19	22.73	187.43	-
10 (1SS)	4.84	2.86	10.05	17.75	59.53	6.72	2.84	9.98	19.54	89.91	21.75	149.44	-
11 (1SS)	4.91	2.86	10.05	17.82	60.49	5.87	2.84	9.98	18.69	73.93	21.29	134.42	-
0 (2SS)	5.67	2.86	10.05	18.58	72.06	6.39	2.84	9.98	19.21	83.34	21.92	155.40	-
1 (2SS)	5.51	2.86	10.05	18.42	69.45	6.19	2.84	9.98	19.01	79.58	21.74	149.04	-
2 (2SS)	7.83	2.86	10.05	20.74	118.50	8.80	2.84	9.98	21.62	145.15	24.22	263.65	-
3 (2SS)	7.59	2.86	10.05	20.50	112.13	8.02	2.84	9.98	20.84	121.29	23.69	233.42	-
4 (2SS)	9.53	2.86	10.05	22.44	175.27	9.73	2.84	9.98	22.55	179.82	25.51	355.08	-
5 (2SS)	7.78	2.86	10.05	20.69	117.14	9.18	2.84	9.98	22.00	158.43	24.41	275.57	-
6 (2SS)	8.21	2.86	10.05	21.12	129.33	8.70	2.84	9.98	21.52	141.85	24.34	271.18	-
7 (2SS)	8.16	2.86	10.05	21.07	127.85	9.55	2.84	9.98	22.37	172.52	24.78	300.37	-
8 (2SS)	7.00	2.86	10.05	19.91	97.88	7.80	2.84	9.98	20.62	115.30	23.29	213.18	-
9 (2SS)	5.87	2.86	10.05	18.78	75.46	7.28	2.84	9.98	20.10	102.29	22.50	177.75	-
10 (2SS)	4.81	2.86	10.05	17.72	59.12	6.54	2.84	9.98	19.36	86.26	21.63	145.38	-
11 (2SS)	4.55	2.86	10.05	17.46	55.68	5.86	2.84	9.98	18.68	73.76	21.13	129.44	-

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

Maximum Peak Output Power

Mode	Tx 11ax-20(OFDMA), 26-tone RU, SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 26-tone RU, SISO

Antenna Port: Chain2

Antenna Port: Chain2					Conducted Power					e.i.r.p. for RSS-247					
Tested Freq. [MHz]	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]	Antenna Gain [dBi]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]			[dBm]	[mW]	[dBm]	[mW]	
2412	0	2.74	2.84	9.98	15.56	35.98	30.00	1000.00	14.44	2.50	18.06	63.98	36.02	4000.00	17.96
2437	4	2.55	2.81	9.98	15.34	34.20	30.00	1000.00	14.66	2.50	17.84	60.82	36.02	4000.00	18.18
2462	8	2.30	2.78	9.98	15.06	32.07	30.00	1000.00	14.94	2.50	17.56	57.02	36.02	4000.00	18.46

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 11ax-20(OFDMA), 26-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 26-tone RU, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	RU Index	Conducted power						e.i.r.p. for RSS-247					
		Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
2412	0	12.01	15.95	27.97	14.47	30.00	15.53	21.37	28.37	49.73	16.97	36.02	19.05
2437	4	11.74	15.52	27.26	14.36	30.00	15.64	20.88	27.60	48.48	16.86	36.02	19.16
2462	8	11.26	15.30	26.56	14.25	30.00	15.75	20.02	27.20	47.23	16.75	36.02	19.27

Tested Freq. [MHz]	RU Index	Chain1						Chain2					
		Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Reading	Cable Loss	Atten. Loss	Directional Gain	Result	
		[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
2412	0	-2.11	2.86	10.05	2.50	10.80	13.30	-0.79	2.84	9.98	2.50	12.03	14.53
2437	4	-2.18	2.83	10.05	2.50	10.70	13.20	-0.88	2.81	9.98	2.50	11.91	14.41
2462	8	-2.33	2.80	10.05	2.50	10.52	13.02	-0.91	2.78	9.98	2.50	11.85	14.35

Sample Calculation:

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

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

Directional Gain = G_{ANT} + Array Gain

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

Maximum Peak Output Power

Mode	Tx 11ax-20(OFDMA), 52-tone RU, SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 52-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	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]
2412	37	4.91	2.84	9.98	17.73	59.30	30.00	1000.00	12.27	2.50	20.23	105.44	36.02	4000.00	15.79
2437	38	4.77	2.81	9.98	17.56	57.02	30.00	1000.00	12.44	2.50	20.06	101.40	36.02	4000.00	15.96
2462	40	4.68	2.78	9.98	17.44	55.47	30.00	1000.00	12.56	2.50	19.94	98.63	36.02	4000.00	16.08

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 11ax-20(OFDMA), 52-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
November 06, 2025	MR2	24 deg.C	34 %RH	Yuta Shiba

11ax-20(OFDMA), 52-tone RU, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	RU Index	Conducted power						e.i.r.p. for RSS-247					
		Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
2412	37	41.28	53.81	95.08	19.79	30.00	10.21	73.40	95.68	169.08	22.29	36.02	13.73
2437	38	34.49	43.64	78.13	18.93	30.00	11.07	61.34	77.60	138.94	21.43	36.02	14.59
2462	40	32.47	44.22	76.69	18.85	30.00	11.15	57.74	78.64	136.38	21.35	36.02	14.67

Tested Freq. [MHz]	RU Index	Chain1						Chain2					
		Reading	Cable Loss	Atten. Loss	Directional Gain	Cond. Power	Result e.i.r.p.	Reading	Cable Loss	Atten. Loss	Directional Gain	Cond. Power	Result e.i.r.p.
		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
2412	37	3.25	2.86	10.05	2.50	16.16	18.66	4.49	2.84	9.98	2.50	17.31	19.81
2437	38	2.50	2.83	10.05	2.50	15.38	17.88	3.61	2.81	9.98	2.50	16.40	18.90
2462	40	2.27	2.80	10.05	2.50	15.12	17.62	3.70	2.78	9.98	2.50	16.46	18.96

Sample Calculation:

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

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

Directional Gain = G_{ANT} + Array Gain

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

Maximum Peak Output Power

Mode	Tx 11ax-20(OFDMA), 106-tone RU, SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 106-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	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]
2412	53	6.53	2.84	9.98	19.35	86.10	30.00	1000.00	10.65	2.50	21.85	153.11	36.02	4000.00	14.17
2437	53	6.42	2.81	9.98	19.21	83.37	30.00	1000.00	10.79	2.50	21.71	148.26	36.02	4000.00	14.31
2462	54	6.11	2.78	9.98	18.87	77.10	30.00	1000.00	11.13	2.50	21.37	137.09	36.02	4000.00	14.65

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 11ax-20(OFDMA), 106-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 106-tone RU, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	RU Index	Conducted power						e.i.r.p. for RSS-247					
		Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
2412	53	37.64	48.06	85.71	19.34	30.00	10.66	66.94	85.47	152.42	21.84	36.02	14.18
2437	53	36.37	46.33	82.70	19.18	30.00	10.82	64.67	82.39	147.06	21.68	36.02	14.34
2462	54	35.77	44.02	79.79	19.02	30.00	10.98	63.61	78.28	141.89	21.52	36.02	14.50

Tested Freq. [MHz]	RU Index	Chain1						Chain2					
		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]
2412	53	2.85	2.86	10.05	2.50	15.76	18.26	4.00	2.84	9.98	2.50	16.82	19.32
2437	53	2.73	2.83	10.05	2.50	15.61	18.11	3.87	2.81	9.98	2.50	16.66	19.16
2462	54	2.69	2.80	10.05	2.50	15.54	18.04	3.68	2.78	9.98	2.50	16.44	18.94

Sample Calculation:

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

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

Directional Gain = G_{NIT} + Array Gain

Array Gain = 0 dB (i.e., no array gain) $N_{NIT} \leq 4$, N_{NIT} = number of transmit antennas = 2

Maximum Peak Output Power

Mode	Tx 11ax-20(OFDMA), 242-tone RU, SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 242-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	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]
2412	61	8.67	2.84	9.98	21.49	140.93	30.00	1000.00	8.51	2.50	23.99	250.62	36.02	4000.00	12.03
2437	61	8.40	2.81	9.98	21.19	131.53	30.00	1000.00	8.81	2.50	23.69	233.89	36.02	4000.00	12.33
2462	61	8.09	2.78	9.98	20.85	121.62	30.00	1000.00	9.15	2.50	23.35	216.28	36.02	4000.00	12.67

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 11ax-20(OFDMA), 242-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 242-tone RU, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	RU Index	Conducted power						e.i.r.p. for RSS-247					
		Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Chain1 [mW]	Antenna Chain2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
2412	61	60.21	76.18	136.39	21.35	30.00	8.65	107.08	135.47	242.54	23.85	36.02	12.17
2437	61	59.67	75.14	134.80	21.30	30.00	8.70	106.10	133.61	239.72	23.80	36.02	12.22
2462	61	52.66	66.63	119.29	20.77	30.00	9.23	93.65	118.48	212.13	23.27	36.02	12.75

Tested Freq. [MHz]	RU Index	Chain1						Chain2					
		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]
2412	61	4.89	2.86	10.05	2.50	17.80	20.30	6.00	2.84	9.98	2.50	18.82	21.32
2437	61	4.88	2.83	10.05	2.50	17.76	20.26	5.97	2.81	9.98	2.50	18.76	21.26
2462	61	4.37	2.80	10.05	2.50	17.22	19.72	5.48	2.78	9.98	2.50	18.24	20.74

Sample Calculation:

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

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

Directional Gain = G_{ANT} + Array Gain

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

Maximum Peak Output Power

Mode	Tx BT LE 1M-PHY
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Date	Test Place	Temperature	Humidity	Engineer
October 22, 2025	SR5	25 deg.C	50 %RH	Yohsuke Matsuzawa

BT LE 1M-PHY

				Conducted Power					e.i.r.p. for RSS-247					
Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit		Margin [dB]	Antenna Gain [dBi]	Result		Limit		Margin [dB]
				[dBm]	[mW]	[dBm]	[mW]			[dBm]	[mW]	[dBm]	[mW]	
2402	-7.71	1.99	10.05	4.33	2.72	30.00	1000.00	25.67	3.50	7.83	6.07	36.02	4000.00	28.19
2440	-8.21	2.01	10.05	3.85	2.43	30.00	1000.00	26.15	3.50	7.35	5.44	36.02	4000.00	28.67
2480	-8.92	2.03	10.05	3.16	2.08	30.00	1000.00	26.84	3.50	6.66	4.64	36.02	4000.00	29.36

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 (2402 MHz)

Antenna	Mode	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
-	1M-PHY	-	-7.71	1.99	10.05	4.33	2.72	*
	S=8	-	-7.73	1.99	10.05	4.31	2.70	-
	S=2	-	-7.78	1.99	10.05	4.26	2.67	-

*Worst Mode

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

Maximum Peak Output Power

Mode	Tx BT LE 2M-PHY
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Date	Test Place	Temperature	Humidity	Engineer
October 22, 2025	SR5	25 deg.C	50 %RH	Yohsuke Matsuzawa

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	-7.49	1.99	10.05	4.55	2.86	30.00	1000.00	25.45	3.50	8.05	6.39	36.02	4000.00	27.97
2440	-7.99	2.01	10.05	4.07	2.56	30.00	1000.00	25.93	3.50	7.57	5.72	36.02	4000.00	28.45
2480	-8.72	2.03	10.05	3.36	2.17	30.00	1000.00	26.64	3.50	6.86	4.86	36.02	4000.00	29.16

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
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11b

Antenna Port: Chain2

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2412	3.30	2.84	9.98	16.12	40.93
2437	3.02	2.81	9.98	15.81	38.11
2462	2.72	2.78	9.98	15.48	35.32

Sample Calculation:

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

Worst rate check (2412 MHz)

Antenna	Rate [Mbps]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
Chain1	1	-	2.32	2.86	10.05	15.23	33.35	-
	2(short)	-	2.41	2.86	10.05	15.32	34.05	-
	2(long)	-	2.31	2.86	10.05	15.22	33.27	-
	5.5(short)	-	2.39	2.86	10.05	15.30	33.89	-
	5.5(long)	-	2.10	2.86	10.05	15.01	31.70	-
	11(short)	-	2.40	2.86	10.05	15.31	33.97	-
Chain2	11(long)	-	2.16	2.86	10.05	15.07	32.14	-
	1	-	3.16	2.84	9.98	15.98	39.63	-
	2(short)	-	3.30	2.84	9.98	16.12	40.93	*
	2(long)	-	3.16	2.84	9.98	15.98	39.63	-
	5.5(short)	-	3.28	2.84	9.98	16.10	40.74	-
	5.5(long)	-	3.15	2.84	9.98	15.97	39.54	-
	11(short)	-	3.29	2.84	9.98	16.11	40.84	-
	11(long)	-	3.23	2.84	9.98	16.05	40.28	-

*Worst Rate

Sample Calculation:

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

Average Output Power

Mode	Tx 11g
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 03, 2025	SR5	25 deg.C	60 %RH	Toshinori Yamada

11g

Antenna Port: Chain2

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2412	2.10	2.84	9.98	14.92	31.05
2437	1.82	2.81	9.98	14.61	28.91
2462	1.65	2.78	9.98	14.41	27.61

Sample Calculation:

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

Worst rate check (2412 MHz)

Antenna	Rate [Mbps]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
Chain1	6	-	0.84	2.86	10.05	13.75	23.72	-
	9	-	0.87	2.86	10.05	13.78	23.88	-
	12	-	1.21	2.86	10.05	14.12	25.83	-
	18	-	1.16	2.86	10.05	14.07	25.53	-
	24	-	1.00	2.86	10.05	13.91	24.61	-
	36	-	0.94	2.86	10.05	13.85	24.27	-
	48	-	0.78	2.86	10.05	13.69	23.39	-
	54	-	0.23	2.86	10.05	13.14	20.61	-
Chain2	6	-	1.75	2.84	9.98	14.57	28.65	-
	9	-	1.74	2.84	9.98	14.56	28.58	-
	12	-	1.45	2.84	9.98	14.27	26.74	-
	18	-	2.10	2.84	9.98	14.92	31.05	*
	24	-	1.80	2.84	9.98	14.62	28.98	-
	36	-	1.78	2.84	9.98	14.60	28.85	-
	48	-	1.79	2.84	9.98	14.61	28.91	-
	54	-	1.25	2.84	9.98	14.07	25.53	-

*Worst Rate

Sample Calculation:

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

Average Output Power

Mode	Tx 11n-20, SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11n-20, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2412	1.88	2.84	9.98	14.70	29.52
2437	1.71	2.81	9.98	14.50	28.19
2462	1.37	2.78	9.98	14.13	25.89

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	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
Chain1	0	-	0.37	2.86	10.05	13.28	21.29	-
	1	-	0.37	2.86	10.05	13.28	21.29	-
	2	-	0.98	2.86	10.05	13.89	24.50	-
	3	-	1.01	2.86	10.05	13.92	24.67	-
	4	-	0.91	2.86	10.05	13.82	24.10	-
	5	-	0.20	2.86	10.05	13.11	20.47	-
	6	-	-0.34	2.86	10.05	12.57	18.08	-
	7	-	-0.84	2.86	10.05	12.07	16.11	-
Chain2	0	-	1.27	2.84	9.98	14.09	25.65	-
	1	-	1.32	2.84	9.98	14.14	25.95	-
	2	-	1.88	2.84	9.98	14.70	29.52	*
	3	-	1.83	2.84	9.98	14.65	29.18	-
	4	-	1.84	2.84	9.98	14.66	29.25	-
	5	-	1.26	2.84	9.98	14.08	25.59	-
	6	-	0.90	2.84	9.98	13.72	23.56	-
	7	-	0.38	2.84	9.98	13.20	20.90	-

*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 11n-20, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11n-20, MIMO

Chain1 + Chain2

Tested Freq.	Chain1						Chain2						Total	
	Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result Power			
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]		
2412	-1.90	2.86	10.05	11.01	12.61	-1.10	2.84	9.98	11.72	14.85	14.39	27.46		
2437	-2.09	2.83	10.05	10.79	11.99	-1.12	2.81	9.98	11.67	14.68	14.27	26.67		
2462	-2.29	2.80	10.05	10.56	11.36	-1.50	2.78	9.98	11.26	13.36	13.94	24.72		

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

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

Worst rate check (2412 MHz)

MCS Index	Chain1						Chain2						Total		Remark
	Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result Power				
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]			
0	-2.46	2.86	10.05	10.45	11.08	-1.60	2.84	9.98	11.22	13.24	13.87	24.32	-		
1	-2.48	2.86	10.05	10.43	11.03	-1.59	2.84	9.98	11.23	13.27	13.86	24.30	-		
2	-1.90	2.86	10.05	11.01	12.61	-1.10	2.84	9.98	11.72	14.85	14.39	27.46	*		
3	-1.95	2.86	10.05	10.96	12.47	-1.14	2.84	9.98	11.68	14.72	14.35	27.18	-		
4	-2.01	2.86	10.05	10.90	12.29	-1.30	2.84	9.98	11.52	14.18	14.23	26.48	-		
5	-2.67	2.86	10.05	10.24	10.56	-1.75	2.84	9.98	11.07	12.79	13.69	23.35	-		
6	-3.28	2.86	10.05	9.63	9.18	-2.18	2.84	9.98	10.64	11.58	13.18	20.76	-		
7	-3.77	2.86	10.05	9.14	8.20	-2.83	2.84	9.98	9.99	9.97	12.60	18.17	-		
8	-2.53	2.86	10.05	10.38	10.91	-1.61	2.84	9.98	11.21	13.21	13.83	24.11	-		
9	-2.55	2.86	10.05	10.36	10.86	-1.58	2.84	9.98	11.24	13.30	13.84	24.16	-		
10	-2.00	2.86	10.05	10.91	12.32	-1.14	2.84	9.98	11.68	14.72	14.33	27.04	-		
11	-2.13	2.86	10.05	10.78	11.96	-1.14	2.84	9.98	11.68	14.72	14.27	26.68	-		
12	-1.96	2.86	10.05	10.95	12.44	-1.31	2.84	9.98	11.51	14.15	14.25	26.59	-		
13	-2.63	2.86	10.05	10.28	10.66	-1.76	2.84	9.98	11.06	12.76	13.70	23.42	-		
14	-3.24	2.86	10.05	9.67	9.26	-2.14	2.84	9.98	10.68	11.69	13.22	20.95	-		
15	-3.77	2.86	10.05	9.14	8.20	-2.80	2.84	9.98	10.02	10.04	12.62	18.24	-		

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

Average Output Power

Mode	Tx 11ax-20(OFDM), SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDM), SISO

Antenna Port: Chain2

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2412	1.86	2.84	9.98	14.68	29.38
2437	1.73	2.81	9.98	14.52	28.32
2462	1.44	2.78	9.98	14.20	26.31

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	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
Chain1	0 (1SS)	-	0.73	2.86	10.05	13.64	23.13	-
	1 (1SS)	-	0.68	2.86	10.05	13.59	22.86	-
	2 (1SS)	-	1.02	2.86	10.05	13.93	24.72	-
	3 (1SS)	-	1.11	2.86	10.05	14.02	25.24	-
	4 (1SS)	-	0.69	2.86	10.05	13.60	22.91	-
	5 (1SS)	-	-0.10	2.86	10.05	12.81	19.10	-
	6 (1SS)	-	-0.26	2.86	10.05	12.65	18.41	-
	7 (1SS)	-	-0.90	2.86	10.05	12.01	15.89	-
	8 (1SS)	-	-1.38	2.86	10.05	11.53	14.23	-
	9 (1SS)	-	-1.86	2.86	10.05	11.05	12.74	-
	10 (1SS)	-	-2.71	2.86	10.05	10.20	10.48	-
Chain2	11 (1SS)	-	-3.45	2.86	10.05	9.46	8.84	-
	0 (1SS)	-	1.49	2.84	9.98	14.31	26.98	-
	1 (1SS)	-	1.53	2.84	9.98	14.35	27.23	-
	2 (1SS)	-	1.86	2.84	9.98	14.68	29.38	*
	3 (1SS)	-	1.82	2.84	9.98	14.64	29.11	-
	4 (1SS)	-	1.83	2.84	9.98	14.65	29.18	-
	5 (1SS)	-	1.37	2.84	9.98	14.19	26.25	-
	6 (1SS)	-	0.89	2.84	9.98	13.71	23.50	-
	7 (1SS)	-	0.42	2.84	9.98	13.24	21.09	-
	8 (1SS)	-	-0.07	2.84	9.98	12.75	18.84	-
	9 (1SS)	-	-0.67	2.84	9.98	12.15	16.41	-
	10 (1SS)	-	-1.74	2.84	9.98	11.08	12.83	-
	11 (1SS)	-	-2.07	2.84	9.98	10.75	11.89	-

*Worst MCS

(* SS: Spatial Stream)

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 11ax-20(OFDM), MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 16, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada
October 02, 2025	SR5	24 deg.C	60 %RH	Toshinori Yamada

11ax-20(OFDM), MIMO

Chain1 + Chain2

Tested Freq.	Chain1					Chain2					Total	
	Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result Power	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]
2412	-1.94	2.86	10.05	10.97	12.49	-1.06	2.84	9.98	11.76	14.99	14.40	27.48
2437	-2.26	2.83	10.05	10.62	11.53	-1.14	2.81	9.98	11.65	14.62	14.18	26.14
2462	-2.34	2.80	10.05	10.51	11.23	-1.49	2.78	9.98	11.27	13.39	13.92	24.62

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

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

Worst rate check (2412 MHz)

MCS Index	Chain1					Chain2					Total		Remark
	Reading	Cable Loss [dB]	Atten. Loss [dB]	Result		Reading	Cable Loss [dB]	Atten. Loss [dB]	Result		Result Power		
				[dBm]	[mW]				[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	-2.17	2.86	10.05	10.74	11.85	-1.37	2.84	9.98	11.45	13.96	14.12	25.81	-
1 (1SS)	-2.16	2.86	10.05	10.75	11.88	-1.37	2.84	9.98	11.45	13.96	14.13	25.84	-
2 (1SS)	-1.94	2.86	10.05	10.97	12.49	-1.06	2.84	9.98	11.76	14.99	14.40	27.48	*
3 (1SS)	-1.97	2.86	10.05	10.94	12.41	-1.08	2.84	9.98	11.74	14.92	14.37	27.33	-
4 (1SS)	-1.88	2.86	10.05	11.03	12.67	-1.25	2.84	9.98	11.57	14.35	14.32	27.02	-
5 (1SS)	-2.67	2.86	10.05	10.24	10.56	-1.79	2.84	9.98	11.03	12.67	13.67	23.23	-
6 (1SS)	-3.34	2.86	10.05	9.57	9.05	-2.12	2.84	9.98	10.70	11.74	13.18	20.80	-
7 (1SS)	-3.80	2.86	10.05	9.11	8.14	-2.70	2.84	9.98	10.12	10.28	12.66	18.42	-
8 (1SS)	-4.24	2.86	10.05	8.67	7.36	-3.34	2.84	9.98	9.48	8.87	12.11	16.23	-
9 (1SS)	-4.77	2.86	10.05	8.14	6.51	-3.96	2.84	9.98	8.86	7.69	11.53	14.20	-
10 (1SS)	-6.14	2.86	10.05	6.77	4.75	-4.58	2.84	9.98	8.24	6.67	10.58	11.42	-
11 (1SS)	-6.04	2.86	10.05	6.87	4.86	-5.16	2.84	9.98	7.66	5.83	10.30	10.69	-
0 (2SS)	-2.17	2.86	10.05	10.74	11.85	-1.36	2.84	9.98	11.46	13.99	14.13	25.84	-
1 (2SS)	-2.17	2.86	10.05	10.74	11.85	-1.35	2.84	9.98	11.47	14.02	14.13	25.87	-
2 (2SS)	-1.94	2.86	10.05	10.97	12.49	-1.08	2.84	9.98	11.74	14.92	14.39	27.42	-
3 (2SS)	-1.95	2.86	10.05	10.96	12.47	-1.13	2.84	9.98	11.69	14.75	14.35	27.22	-
4 (2SS)	-1.90	2.86	10.05	11.01	12.61	-1.23	2.84	9.98	11.59	14.42	14.32	27.03	-
5 (2SS)	-2.69	2.86	10.05	10.22	10.51	-1.78	2.84	9.98	11.04	12.70	13.66	23.21	-
6 (2SS)	-3.28	2.86	10.05	9.63	9.18	-2.22	2.84	9.98	10.60	11.48	13.16	20.65	-
7 (2SS)	-3.77	2.86	10.05	9.14	8.20	-2.71	2.84	9.98	10.11	10.25	12.67	18.45	-
8 (2SS)	-4.27	2.86	10.05	8.64	7.31	-3.32	2.84	9.98	9.50	8.91	12.10	16.22	-
9 (2SS)	-4.78	2.86	10.05	8.13	6.50	-3.98	2.84	9.98	8.84	7.65	11.51	14.15	-
10 (2SS)	-6.25	2.86	10.05	6.66	4.63	-4.56	2.84	9.98	8.26	6.70	10.55	11.33	-
11 (2SS)	-6.18	2.86	10.05	6.73	4.71	-5.18	2.84	9.98	7.64	5.81	10.22	10.51	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

Average Output Power

Mode	Tx 11ax-20(OFDMA), 26-tone RU, SISO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada
October 30, 2025	SR5	22 deg.C	39 %RH	Yuta Shiba

11ax-20(OFDMA), 26-tone RU, SISO
Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
					[dBm]	[mW]
2412	0	-8.06	2.84	9.98	4.76	3.00
2437	4	-8.77	2.81	9.98	4.02	2.53
2462	8	-8.71	2.78	9.98	4.05	2.55

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 11ax-20(OFDMA), 26-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada
October 30, 2025	SR5	22 deg.C	39 %RH	Yuta Shiba

11ax-20(OFDMA), 26-tone RU, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	RU Index	Reading [dBm]	Cable Loss [dB]	Chain1		Result		Reading [dBm]	Cable Loss [dB]	Chain2		Result		Total Result Power	
				Atten. Loss [dB]		[dBm]	[mW]			Atten. Loss [dB]		[dBm]	[mW]	[dBm]	[mW]
2412	0	-12.62	2.86	10.05		0.29	1.07	-11.39	2.84	9.98		1.43	1.39	3.91	2.46
2437	4	-13.49	2.83	10.05		-0.61	0.87	-12.05	2.81	9.98		0.74	1.19	3.13	2.05
2462	8	-13.26	2.80	10.05		-0.41	0.91	-12.08	2.78	9.98		0.68	1.17	3.18	2.08

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

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

Average Output Power

Mode	Tx 11ax-20(OFDMA), 52-tone RU, SISO				
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 52-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
					[dBm]	[mW]
2412	37	-5.76	2.84	9.98	7.06	5.09
2437	38	-6.14	2.81	9.98	6.65	4.63
2462	40	-6.15	2.78	9.98	6.61	4.59

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 11ax-20(OFDMA), 52-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
November 06, 2025	MR2	24 deg.C	34 %RH	Yuta Shiba

11ax-20(OFDMA), 52-tone RU, MIMO

Chain1 + Chain2

Tested Freq.	RU Index	Chain1					Chain2					Total	
		Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result	Power
		[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]
2412	37	-6.91	2.86	10.05	6.00	3.98	-5.86	2.84	9.98	6.96	4.96	9.52	8.94
2437	38	-7.10	2.83	10.05	5.78	3.78	-6.44	2.81	9.98	6.35	4.31	9.09	8.10
2462	40	-7.16	2.80	10.05	5.69	3.70	-6.50	2.78	9.98	6.26	4.22	9.00	7.93

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

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

Average Output Power

Mode	Tx 11ax-20(OFDMA), 106-tone RU, SISO				
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 106-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
					[dBm]	[mW]
2412	53	-3.90	2.84	9.98	8.92	7.80
2437	53	-4.01	2.81	9.98	8.78	7.56
2462	54	-4.48	2.78	9.98	8.28	6.73

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 11ax-20(OFDMA), 106-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 106-tone RU, MIMO

Chain1 + Chain2

Tested Freq.	RU Index	Chain1					Chain2					Total Result Power	
		Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result			
		[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]
2412	53	-7.75	2.86	10.05	5.16	3.28	-6.81	2.84	9.98	6.01	3.99	8.62	7.27
2437	53	-7.87	2.83	10.05	5.01	3.17	-7.06	2.81	9.98	5.73	3.74	8.40	6.91
2462	54	-8.05	2.80	10.05	4.80	3.02	-7.28	2.78	9.98	5.48	3.53	8.16	6.55

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

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

Average Output Power

Mode	Tx 11ax-20(OFDMA), 242-tone RU, SISO				
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 242-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
					[dBm]	[mW]
2412	61	-2.18	2.84	9.98	10.64	11.59
2437	61	-2.36	2.81	9.98	10.43	11.05
2462	61	-2.64	2.78	9.98	10.12	10.29

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 11ax-20(OFDMA), 242-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	25 deg.C	50 %RH	Toshinori Yamada

11ax-20(OFDMA), 242-tone RU, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	RU Index	Reading [dBm]	Cable Loss [dB]	Chain1		Result		Reading [dBm]	Cable Loss [dB]	Chain2	Atten. Loss [dB]	Result		Total Result Power	
				Atten. Loss [dB]										[dBm]	[mW]
2412	61	-5.78	2.86	10.05	7.13	5.16		-5.18	2.84	9.98		7.64	5.81	10.41	10.97
2437	61	-5.99	2.83	10.05	6.89	4.88		-5.19	2.81	9.98		7.60	5.75	10.27	10.64
2462	61	-6.21	2.80	10.05	6.64	4.61		-5.36	2.78	9.98		7.40	5.49	10.05	10.10

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = Chain1 Result + Chain2 Result

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

Average Output Power

Mode	Tx BTLE 1M-PHY
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Date	Test Place	Temperature	Humidity	Engineer
October 22, 2025	SR5	25 deg.C	50 %RH	Yohsuke Matsuzawa

BT LE 1M-PHY

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2402	-8.14	1.99	10.05	3.90	2.46
2440	-8.61	2.01	10.05	3.45	2.22
2480	-9.35	2.03	10.05	2.73	1.88

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 (2402 MHz)

Antenna	Mode	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
-	1M-PHY	-	-8.14	1.99	10.05	3.90	2.46	*
	S=8	-	-8.16	1.99	10.05	3.88	2.45	-
	S=2	-	-8.15	1.99	10.05	3.89	2.45	-

*Worst Mode

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 BTLE 2M-PHY			
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Date	Test Place	Temperature	Humidity	Engineer
October 22, 2025	SR5	25 deg.C	50 %RH	Yohsuke Matsuzawa

BT LE 2M-PHY

Tested Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result	
				[dBm]	[mW]
2402	-8.19	1.99	10.05	3.85	2.43
2440	-8.68	2.01	10.05	3.38	2.18
2480	-9.41	2.03	10.05	2.67	1.85

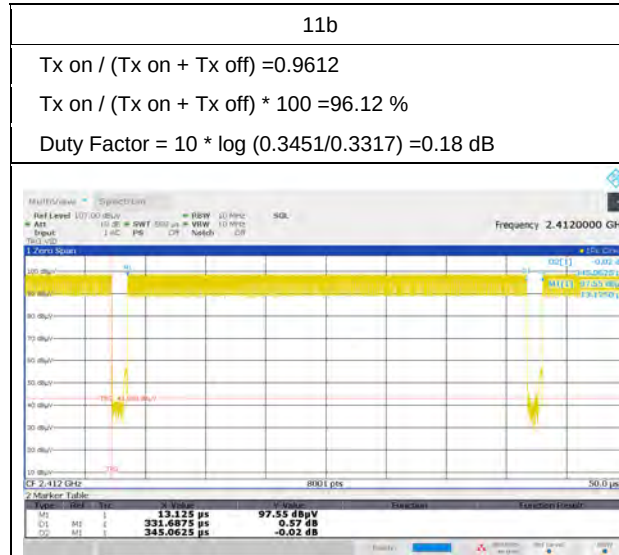
Sample Calculation:

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

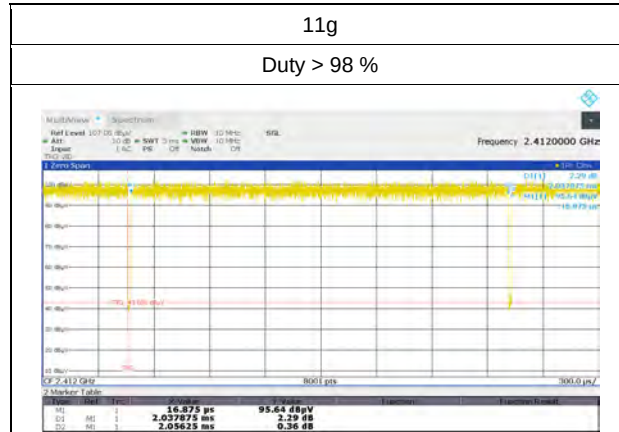
Mode	Tx 11b			
Date	September 25, 2025	Test Place	SAC3	Temperature
				24 deg.C
				Humidity
				45 %RH
				Engineer
				Yuta Shiba



Burst rate confirmation

Mode	Tx 11g			
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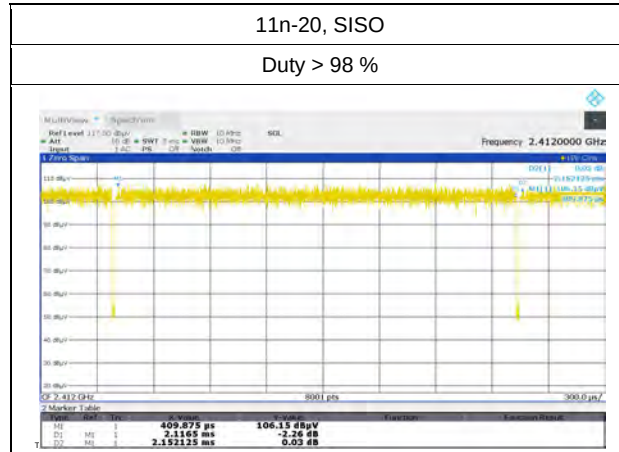
Date	Test Place	Temperature	Humidity	Engineer
September 26, 2025	SAC3	23 deg.C	54 %RH	Yuta Shiba



Burst rate confirmation

Mode	Tx 11n-20, MIMO			
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Date	Test Place	Temperature	Humidity	Engineer
September 26, 2025	SAC3	23 deg.C	54 %RH	Yuta Shiba



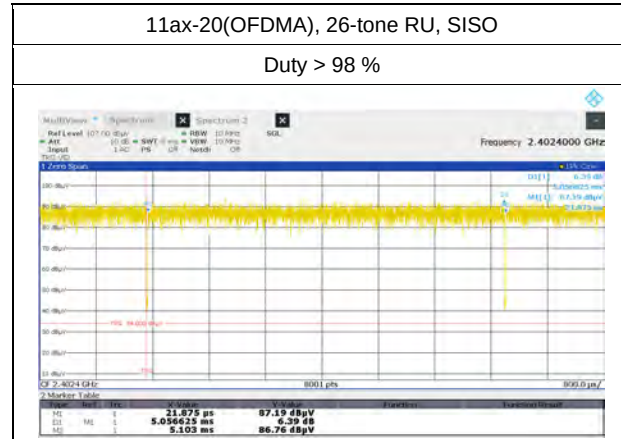
Burst rate confirmation

Mode	Tx 11ax-20(OFDM), MIMO			
Date	Test Place	Temperature	Humidity	Engineer
September 26, 2025	SAC3	23 deg.C	54 %RH	Yuta Shiba



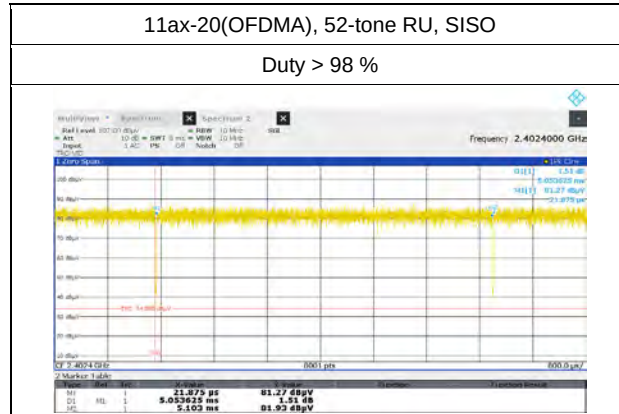
Burst rate confirmation

Mode	Tx 11ax-20(OFDMA), 26-tone RU, MIMO			
Date	Test Place	Temperature	Humidity	Engineer
September 27, 2025	SAC3	23 deg.C	56 %RH	Kenichi Adachi



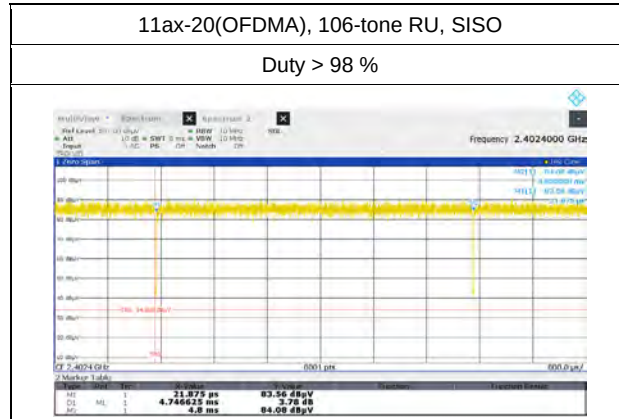
Burst rate confirmation

Mode	Tx 11ax-20(OFDMA), 52-tone RU, SISO			
Date	Test Place	Temperature	Humidity	Engineer
September 27, 2025	SAC3	23 deg.C	56 %RH	Kenichi Adachi



Burst rate confirmation

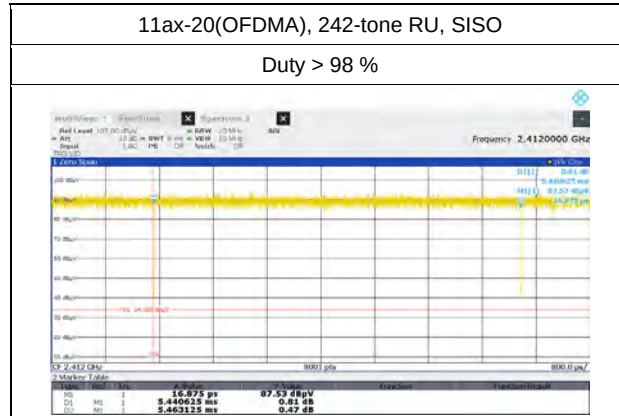
Mode	Tx 11ax-20(OFDMA), 106-tone RU, SISO			
Date	Test Place	Temperature	Humidity	Engineer
September 27, 2025	SAC3	23 deg.C	56 %RH	Kenichi Adachi



Burst rate confirmation

Mode	Tx 11ax-20(OFDMA), 242-tone RU, SISO			
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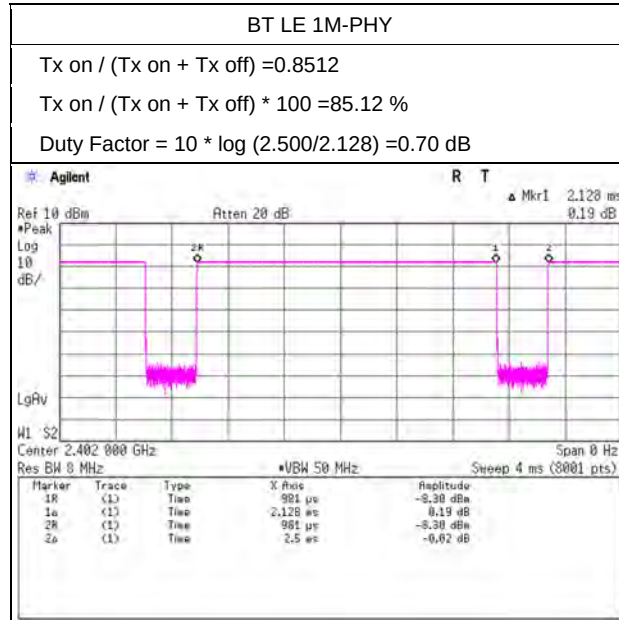
Date	Test Place	Temperature	Humidity	Engineer
September 27, 2025	SAC3	23 deg.C	56 %RH	Kenichi Adachi



Burst rate confirmation

Mode	Tx BT LE 1M-PHY			
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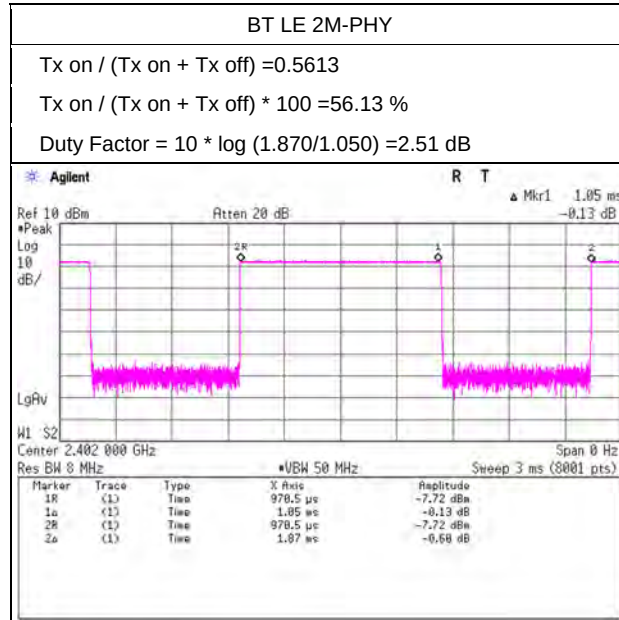
Date	Test Place	Temperature	Humidity	Engineer
November 04, 2025	MR2	25 deg.C	38 %RH	Yuta Shiba



Burst rate confirmation

Mode	Tx BT LE 2M-PHY			
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Date	Test Place	Temperature	Humidity	Engineer
November 04, 2025	MR2	25 deg.C	38 %RH	Yuta Shiba



Duty Cycle Correction Factor

Duty Cycle Correction Factor by customer declaration:

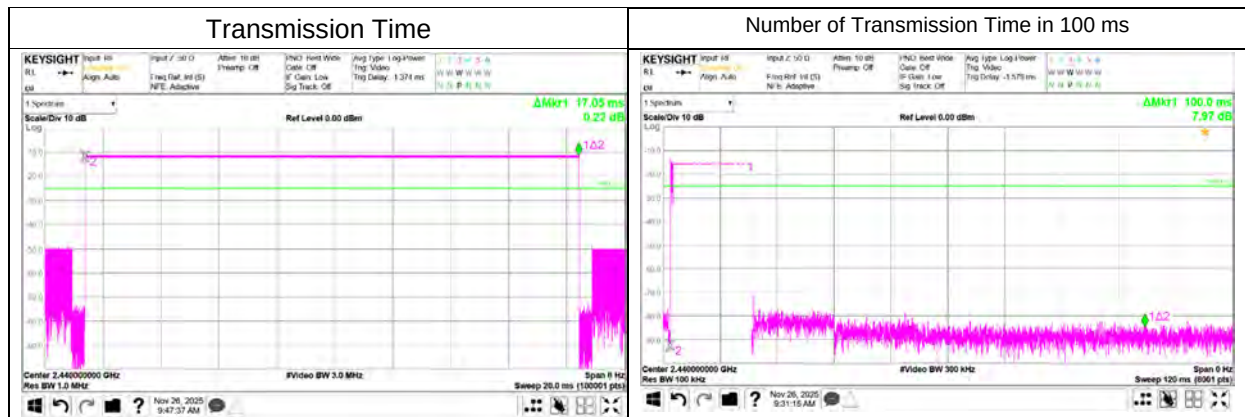
$$DCCF = 20 \log (17.1 \times 1 / 100) = -15.34 \text{ dB}^*$$

- *Maximum Duty Cycle Mode: Coded S = 8
- *Maximum Transmission Time: 17.1 ms
- *Maximum opportunity for 1 channel in 100 ms: 1 time
- *Maximum Transmission Time for 1 channel in 100 ms: 17.1 ms x 1 time

Duty Cycle Correction Factor by actual measurement:

Mode	Tx BT LE Coded S = 8			
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Date	Test Place	Temperature	Humidity	Engineer
November 26, 2025	SR5	25 deg.C	34 %RH	Shiro Kobayashi



$$DCCF = 20 \log (17.05 \times 1 / 100) = -15.36 \text{ dB}^*$$

- *Transmission Time: 17.05 ms
- *The opportunity for 1 channel in 100 ms: 1 time
- *Transmission Time for 1 channel in 100 ms: 17.05 ms x 1 time

*Duty Cycle Correction Factor by customer declaration, which is theoretically the maximum, was applied to Radiated Spurious Emission data of all BT LE mode.

Radiated Spurious Emission

Mode	Tx 11b 2412 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 25, 2025	SAC3	24 deg. C	45 % RH	Yuta Shiba	1 GHz to 10 GHz
September 26, 2025	SAC3	23 deg. C	54 % RH	Yasumasa Owaki	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.	2375.221	PK	49.07	27.88	-25.20	-	1.90	53.65	73.9	20.2	101	168	-
Hori.	2390.000	PK	45.49	27.87	-25.19	-	1.90	50.07	73.9	23.8	169	150	-
Hori.	2566.214	PK	44.79	27.77	-24.97	-	1.90	49.49	73.9	24.4	153	168	-
Hori.	4824.000	PK	40.32	31.45	-22.21	-	1.90	51.46	73.9	22.4	182	169	-
Hori.	7236.000	PK	40.58	37.07	-19.77	-	1.90	59.78	73.9	14.1	198	101	-
Hori.	9648.000	PK	58.07	38.74	-39.86	-	1.90	58.85	73.9	15.0	150	0	Floor Noise
Hori.	9648.000	AV	45.25	38.74	-39.86	-	1.90	46.03	53.9	7.8	150	0	Floor Noise
Vert.	2375.221	PK	48.33	27.88	-25.20	-	1.90	52.91	73.9	20.9	243	240	-
Vert.	2390.000	PK	42.31	27.87	-25.19	-	1.90	46.89	73.9	27.0	203	299	-
Vert.	2566.214	PK	46.03	27.77	-24.97	-	1.90	50.73	73.9	23.1	100	209	-
Vert.	4824.000	PK	40.06	31.45	-22.21	-	1.90	51.20	73.9	22.7	173	350	-
Vert.	7236.000	PK	41.97	37.07	-19.77	-	1.90	61.17	73.9	12.7	143	77	-
Vert.	9648.000	PK	58.12	38.74	-39.86	-	1.90	58.90	73.9	15.0	150	0	Floor Noise
Vert.	9648.000	AV	45.18	38.74	-39.86	-	1.90	45.96	53.9	7.9	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 : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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.	2375.221	AV	37.23	27.88	-25.20	-	0.18	1.90	41.99	53.9	11.9	*2)
Hori.	2390.000	AV	34.77	27.87	-25.19	-	0.18	1.90	39.53	53.9	14.3	*1)
Hori.	2566.214	AV	37.26	27.77	-24.97	-	0.18	1.90	42.14	53.9	11.7	*2)
Hori.	4824.000	AV	26.09	31.45	-22.21	-	0.18	1.90	37.41	53.9	16.4	-
Hori.	7236.000	AV	29.81	37.07	-19.77	-	0.18	1.90	49.19	53.9	4.7	-
Vert.	2375.221	AV	34.85	27.88	-25.20	-	0.18	1.90	39.61	53.9	14.2	*2)
Vert.	2390.000	AV	31.14	27.87	-25.19	-	0.18	1.90	35.90	53.9	18.0	*1)
Vert.	2566.214	AV	35.31	27.77	-24.97	-	0.18	1.90	40.19	53.9	13.7	*2)
Vert.	4824.000	AV	29.08	31.45	-22.21	-	0.18	1.90	40.40	53.9	13.5	-
Vert.	7236.000	AV	31.03	37.07	-19.77	-	0.18	1.90	50.41	53.9	3.4	-

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) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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)

*2) Noise synchronized with duty of carrier frequency.

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	98.74	27.84	-25.16	-	1.90	103.32	-	-	Carrier
Hori.	2400.000	PK	47.40	27.86	-25.17	-	1.90	51.99	83.3	31.3	-
Vert.	2412.000	PK	95.13	27.84	-25.16	-	1.90	99.71	-	-	Carrier
Vert.	2400.000	PK	43.40	27.86	-25.17	-	1.90	47.99	79.7	31.7	-

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.

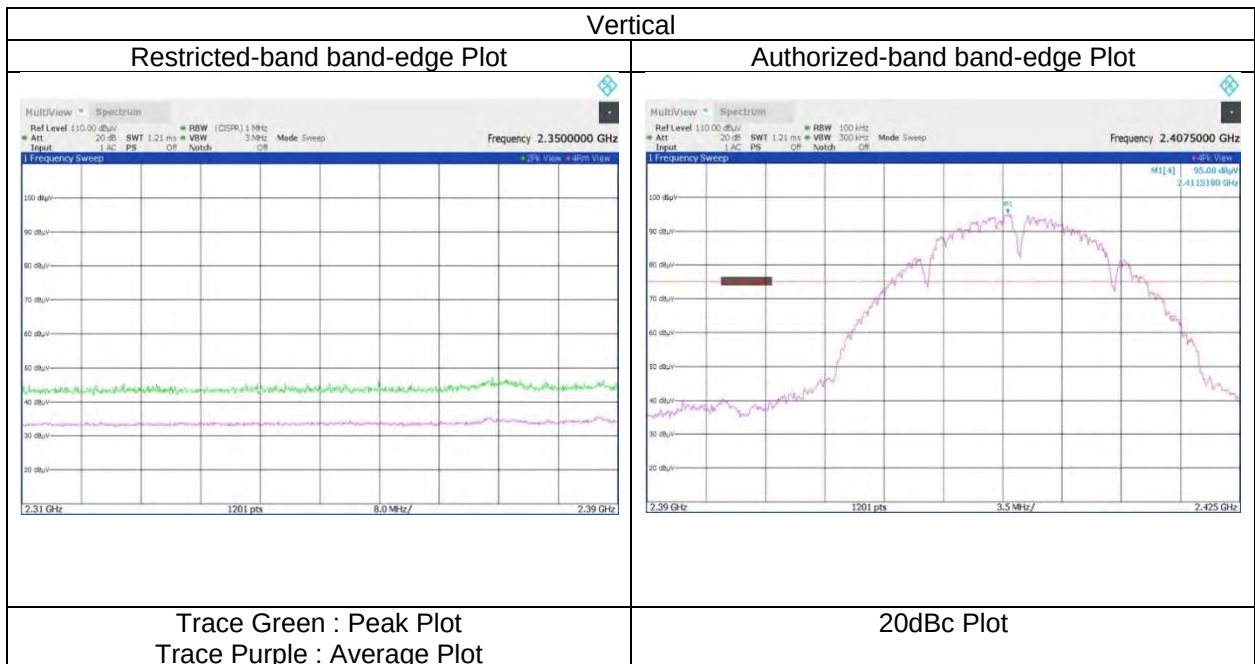
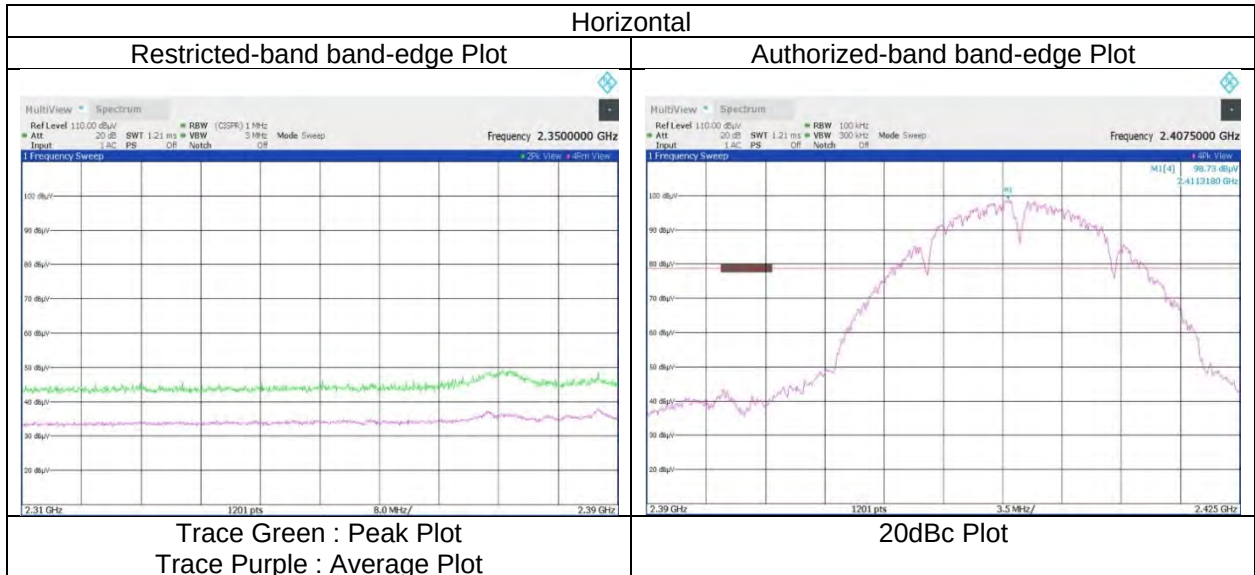
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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

Radiated Spurious Emission

Mode	Tx 11b 2412 MHz				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 25, 2025	SAC3	24 deg. C	45 % RH	Yuta Shiba	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 2437 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 7, 2025	WAC1	19 deg. C	48 % RH	Takayuki Kobayashi	1 GHz to 10 GHz
November 6, 2025	WAC1	21 deg. C	48 % RH	Yuta Shiba	Above 10 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.	2590.934	PK	49.77	27.38	-27.71	-	1.90	51.34	73.9	22.5	249	219	-
Hori.	4874.000	PK	49.01	31.88	-35.26	-	1.90	47.53	73.9	26.3	176	224	-
Hori.	7311.000	PK	52.06	36.22	-33.49	-	1.90	56.69	73.9	17.2	181	110	-
Hori.	9748.000	PK	46.46	37.53	-30.97	-	1.90	54.92	73.9	18.9	150	0	Floor Noise
Hori.	9748.000	AV	36.04	37.53	-30.97	-	1.90	44.50	53.9	9.4	150	0	Floor Noise
Vert.	2590.934	PK	49.94	27.38	-27.71	-	1.90	51.51	73.9	22.3	104	232	-
Vert.	4874.000	PK	48.78	31.88	-35.26	-	1.90	47.30	73.9	26.6	190	62	-
Vert.	7311.000	PK	51.17	36.22	-33.49	-	1.90	55.80	73.9	18.1	242	75	-
Vert.	9748.000	PK	46.14	37.53	-30.97	-	1.90	54.60	73.9	19.3	150	0	Floor Noise
Vert.	9748.000	AV	35.70	37.53	-30.97	-	1.90	44.16	53.9	9.7	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 : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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 Fac.	Distance Fac.	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2590.934	AV	39.65	27.38	-27.71	-	0.18	1.90	41.40	53.9	12.5	*2)
Hori.	4874.000	AV	38.62	31.88	-35.26	-	0.18	1.90	37.32	53.9	16.5	-
Hori.	7311.000	AV	45.02	36.22	-33.49	-	0.18	1.90	49.83	53.9	4.0	-
Vert.	2590.934	AV	40.78	27.38	-27.71	-	0.18	1.90	42.53	53.9	11.3	*2)
Vert.	4874.000	AV	37.78	31.88	-35.26	-	0.18	1.90	36.48	53.9	17.4	-
Vert.	7311.000	AV	43.83	36.22	-33.49	-	0.18	1.90	48.64	53.9	5.2	-

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. + Duty Fac.

Distance Fac.: 1 GHz to 10 GHz : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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

Duty factor refer to "Burst rate confirmation" sheet.

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission

Mode	Tx 11b 2462 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 25, 2025	SAC3	24 deg. C	45 % RH	Yuta Shiba	1 GHz to 10 GHz
November 6, 2025	WAC1	21 deg. C	48 % RH	Yuta Shiba	Above 10 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	44.42	27.75	-25.08	-	1.90	48.99	73.9	24.9	159	148	-
Hori.	2498.923	PK	52.39	27.74	-25.07	-	1.90	56.96	73.9	16.9	150	153	-
Hori.	4924.000	PK	48.65	32.08	-35.32	-	1.90	47.31	73.9	26.5	104	114	-
Hori.	7386.000	PK	50.09	36.32	-33.37	-	1.90	54.94	73.9	18.9	145	83	-
Hori.	9848.000	PK	47.37	37.54	-30.87	-	1.90	55.94	73.9	17.9	150	0	Floor Noise
Hori.	9848.000	AV	34.99	37.54	-30.87	-	1.90	43.56	53.9	10.3	150	0	Floor Noise
Vert.	2483.500	PK	47.67	27.75	-25.08	-	1.90	52.24	73.9	21.6	287	235	-
Vert.	2499.045	PK	50.17	27.74	-25.07	-	1.90	54.74	73.9	19.1	287	235	-
Vert.	4924.000	PK	48.84	32.08	-35.32	-	1.90	47.50	73.9	26.4	186	275	-
Vert.	7386.000	PK	49.50	36.32	-33.37	-	1.90	54.35	73.9	19.5	265	74	-
Vert.	9848.000	PK	47.25	37.54	-30.87	-	1.90	55.82	73.9	18.0	150	0	Floor Noise
Vert.	9848.000	AV	34.77	37.54	-30.87	-	1.90	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 : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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 Fac.	Distance Fac.	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	34.41	27.75	-25.08	-	0.18	1.90	39.16	53.9	14.7	*1)
Hori.	2498.923	AV	40.44	27.74	-25.07	-	0.18	1.90	45.19	53.9	8.7	*2)
Hori.	4924.000	AV	38.23	32.08	-35.32	-	0.18	1.90	37.07	53.9	16.8	-
Hori.	7386.000	AV	42.11	36.32	-33.37	-	0.18	1.90	47.14	53.9	6.7	-
Vert.	2483.500	AV	37.54	27.75	-25.08	-	0.18	1.90	42.29	53.9	11.6	*1)
Vert.	2499.045	AV	39.53	27.74	-25.07	-	0.18	1.90	44.28	53.9	9.6	*2)
Vert.	4924.000	AV	37.86	32.08	-35.32	-	0.18	1.90	36.70	53.9	17.2	-
Vert.	7386.000	AV	41.00	36.32	-33.37	-	0.18	1.90	46.03	53.9	7.8	-

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 : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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

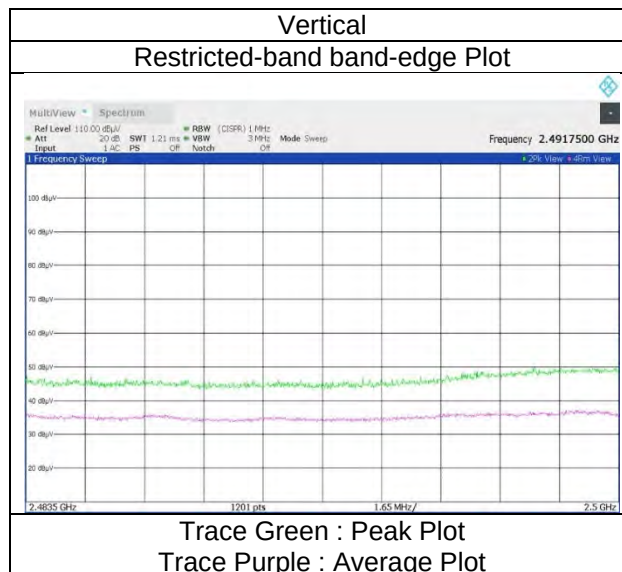
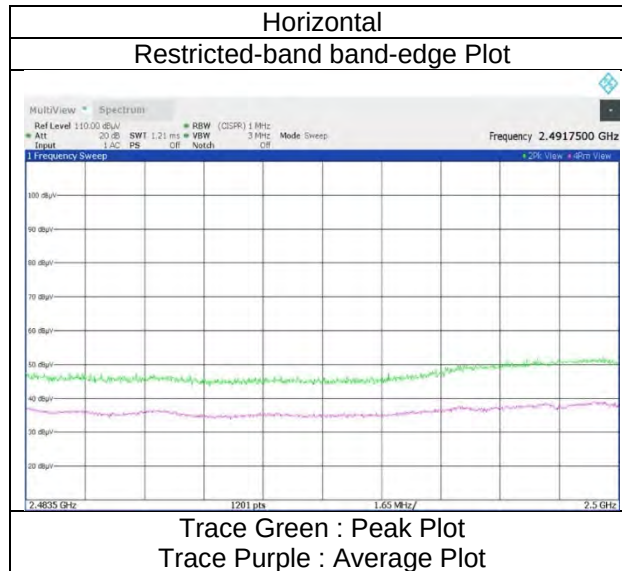
Duty factor refer to "Burst rate confirmation" sheet.

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

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx 11b 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 25, 2025	SAC3	24 deg. C	45 % RH	Yuta Shiba	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
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 25, 2025	SAC3	24 deg. C	45 % RH	Yuta Shiba	1 GHz to 10 GHz
September 26, 2025	SAC3	23 deg. C	54 % RH	Yasumasa Owaki	Above 10 GHz
November 22, 2025	WAC1	20 deg. C	41 % RH	Yosuke Murakami	Below 1GHz

(* 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.	293.209	QP	37.20	13.64	7.50	33.59	0.00	24.75	46.0	21.2	100	295	-
Hori.	832.426	QP	31.00	21.06	8.81	32.19	0.00	28.68	46.0	17.3	100	294	-
Hori.	914.994	QP	30.70	22.03	8.89	31.76	0.00	29.86	46.0	16.1	100	267	-
Hori.	2390.000	PK	65.77	27.87	-25.19	-	1.90	70.35	73.9	3.5	161	213	-
Hori.	4824.000	PK	38.85	31.45	-22.21	-	1.90	49.99	73.9	23.9	150	0	Floor Noise
Hori.	7236.000	PK	39.05	37.07	-19.77	-	1.90	58.25	73.9	15.6	150	0	Floor Noise
Hori.	9648.000	PK	56.23	38.74	-39.86	-	1.90	57.01	73.9	16.8	150	0	Floor Noise
Hori.	2390.000	AV	47.00	27.87	-25.19	-	1.90	51.58	53.9	2.3	161	213	-
Hori.	4824.000	AV	27.80	31.45	-22.21	-	1.90	38.94	53.9	14.9	150	0	Floor Noise
Hori.	7236.000	AV	27.97	37.07	-19.77	-	1.90	47.17	53.9	6.7	150	0	Floor Noise
Hori.	9648.000	AV	45.72	38.74	-39.86	-	1.90	46.50	53.9	7.4	150	0	Floor Noise
Vert.	32.422	QP	33.20	13.14	6.23	33.10	0.00	19.47	40.0	20.5	100	276	-
Vert.	34.886	QP	32.40	12.56	6.27	33.17	0.00	18.06	40.0	21.9	100	267	-
Vert.	67.489	QP	34.60	9.32	6.43	33.58	0.00	16.77	40.0	23.2	100	83	-
Vert.	82.261	QP	38.40	9.01	6.81	33.63	0.00	20.59	40.0	19.4	100	316	-
Vert.	84.387	QP	41.30	9.00	6.86	33.64	0.00	23.52	40.0	16.4	100	45	-
Vert.	126.574	QP	38.40	11.02	6.79	33.68	0.00	22.53	43.5	20.9	100	273	-
Vert.	179.314	QP	33.30	13.16	7.31	33.67	0.00	20.10	43.5	23.4	100	340	-
Vert.	834.041	QP	33.20	21.11	8.81	32.19	0.00	30.93	46.0	15.0	100	287	-
Vert.	914.994	QP	26.90	22.03	8.89	31.76	0.00	26.06	46.0	19.9	130	308	-
Vert.	2390.000	PK	65.00	27.87	-25.19	-	1.90	69.58	73.9	4.3	144	83	-
Vert.	4824.000	PK	38.87	31.45	-22.21	-	1.90	50.01	73.9	23.8	150	0	Floor Noise
Vert.	7236.000	PK	39.90	37.07	-19.77	-	1.90	59.10	73.9	14.8	150	0	Floor Noise
Vert.	9648.000	PK	56.50	38.74	-39.86	-	1.90	57.28	73.9	16.6	150	0	Floor Noise
Vert.	2390.000	AV	45.34	27.87	-25.19	-	1.90	49.92	53.9	3.9	144	83	-
Vert.	4824.000	AV	27.83	31.45	-22.21	-	1.90	38.97	53.9	14.9	150	0	Floor Noise
Vert.	7236.000	AV	28.19	37.07	-19.77	-	1.90	47.39	53.9	6.5	150	0	Floor Noise
Vert.	9648.000	AV	44.26	38.74	-39.86	-	1.90	45.04	53.9	8.8	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 : $20\log(3.73[m]/3.0[m]) = 1.90[dB]$

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	94.34	27.84	-25.16	-	1.90	98.92	-	-	Carrier
Hori.	2400.000	PK	61.81	27.86	-25.17	-	1.90	66.40	78.9	12.5	-
Vert.	2412.000	PK	89.55	27.84	-25.16	-	1.90	94.13	-	-	Carrier
Vert.	2400.000	PK	58.62	27.86	-25.17	-	1.90	63.21	74.1	10.8	-

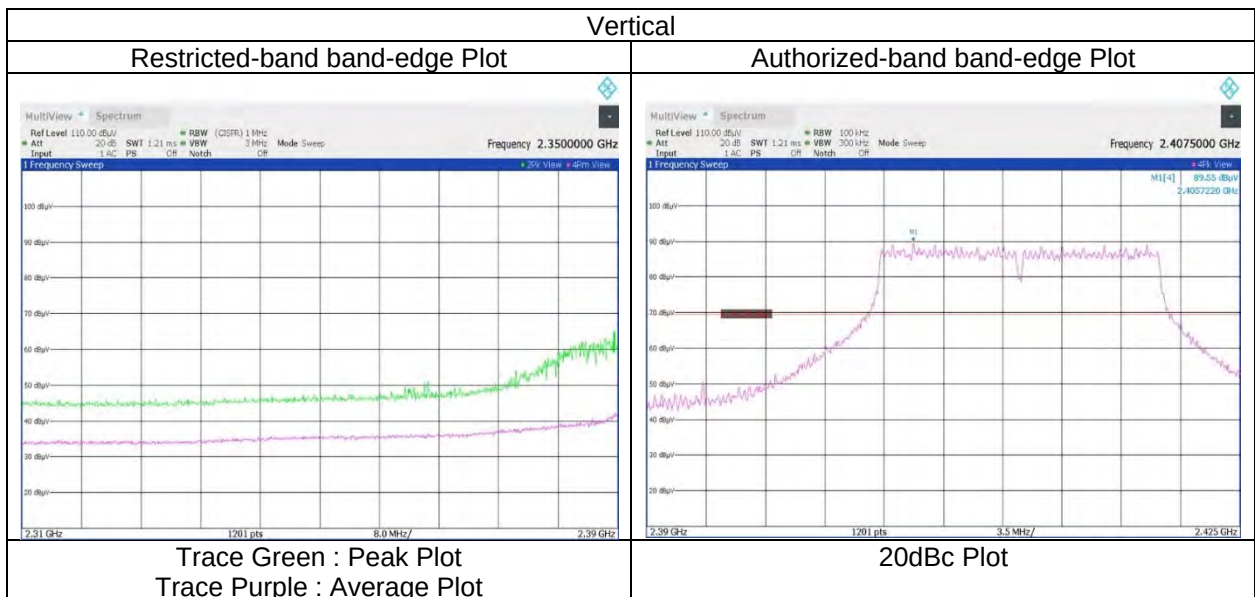
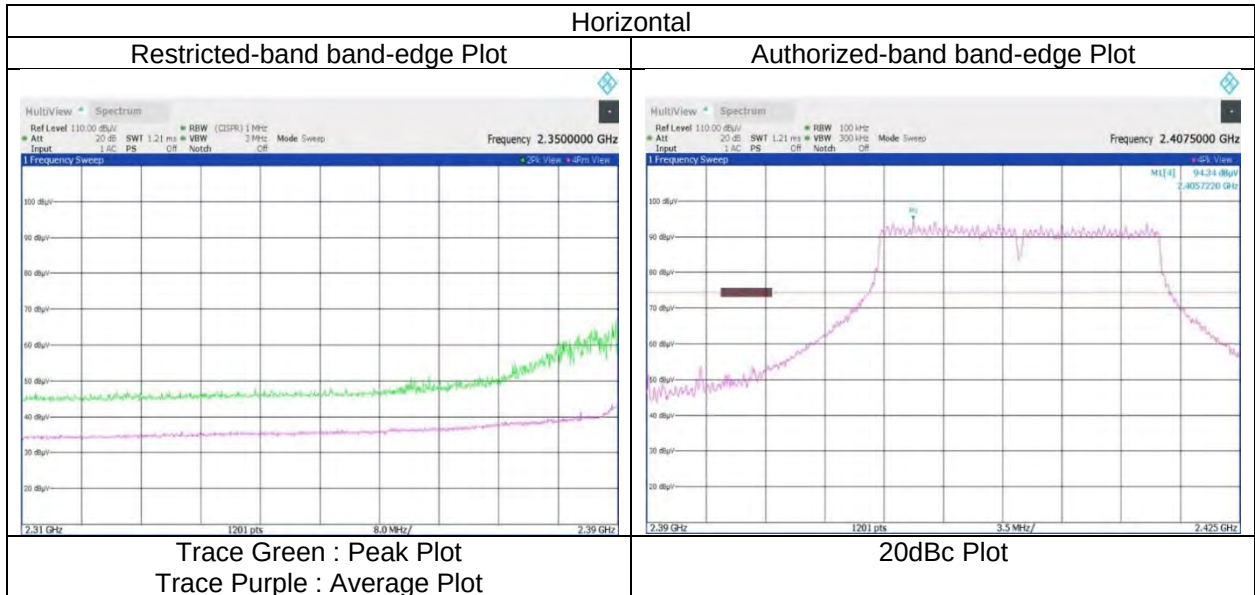
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90[dB]$

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
September 25, 2025	SAC3	24 deg. C	45 % RH	Yuta Shiba	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 2437 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 7, 2025	WAC1	19 deg. C	48 % RH	Takayuki Kobayashi	1 GHz to 10 GHz
November 6, 2025	WAC1	21 deg. C	48 % RH	Yuta Shiba	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.	2880.001	PK	49.48	28.03	-35.66	-	1.90	43.75	73.9	30.1	206	212	-
Hori.	4874.000	PK	47.91	31.88	-35.26	-	1.90	46.43	73.9	27.4	150	0	Floor Noise
Hori.	5000.072	PK	49.08	32.19	-35.39	-	1.90	47.78	73.9	26.1	143	72	-
Hori.	7311.000	PK	52.09	36.22	-33.49	-	1.90	56.72	73.9	17.1	129	85	-
Hori.	9748.000	PK	46.88	37.53	-30.97	-	1.90	55.34	73.9	18.5	150	0	Floor Noise
Hori.	2880.001	AV	40.02	28.03	-35.66	-	1.90	34.29	53.9	19.6	206	212	-
Hori.	4874.000	AV	36.60	31.88	-35.26	-	1.90	35.12	53.9	18.7	150	0	Floor Noise
Hori.	5000.072	AV	39.79	32.19	-35.39	-	1.90	38.49	53.9	15.4	143	72	-
Hori.	7311.000	AV	39.53	36.22	-33.49	-	1.90	44.16	53.9	9.7	129	85	-
Hori.	9748.000	AV	35.30	37.53	-30.97	-	1.90	43.76	53.9	10.1	150	0	Floor Noise
Vert.	2879.971	PK	49.93	28.03	-35.66	-	1.90	44.20	73.9	29.7	152	80	-
Vert.	4874.000	PK	47.75	31.88	-35.26	-	1.90	46.27	73.9	27.6	150	0	Floor Noise
Vert.	7311.000	PK	51.94	36.22	-33.49	-	1.90	56.57	73.9	17.3	176	154	-
Vert.	9748.000	PK	46.28	37.53	-30.97	-	1.90	54.74	73.9	19.1	150	0	Floor Noise
Vert.	2879.971	AV	40.66	28.03	-35.66	-	1.90	34.93	53.9	18.9	152	80	-
Vert.	4874.000	AV	36.45	31.88	-35.26	-	1.90	34.97	53.9	18.9	150	0	Floor Noise
Vert.	7311.000	AV	39.38	36.22	-33.49	-	1.90	44.01	53.9	9.8	176	154	-
Vert.	9748.000	AV	35.18	37.53	-30.97	-	1.90	43.64	53.9	10.2	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 : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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

Radiated Spurious Emission

Mode	Tx 11g 2462 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 7, 2025	WAC1	19 deg. C	48 % RH	Takayuki Kobayashi	1 GHz to 10 GHz
November 6, 2025	WAC1	21 deg. C	48 % RH	Yuta Shiba	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	60.57	27.75	-25.08	-	1.90	65.14	73.9	8.7	161	150	-
Hori.	2879.927	PK	50.01	28.03	-35.66	-	1.90	44.28	73.9	29.6	184	172	-
Hori.	4924.000	PK	48.07	32.08	-35.32	-	1.90	46.73	73.9	27.1	150	0	Floor Noise
Hori.	7386.000	PK	51.72	36.32	-33.37	-	1.90	56.57	73.9	17.3	135	90	-
Hori.	9848.000	PK	47.30	37.54	-30.87	-	1.90	55.87	73.9	18.0	150	0	Floor Noise
Hori.	2483.500	AV	45.21	27.75	-25.08	-	1.90	49.78	53.9	4.1	161	150	-
Hori.	2879.927	AV	39.34	28.03	-35.66	-	1.90	33.61	53.9	20.2	184	172	-
Hori.	4924.000	AV	36.38	32.08	-35.32	-	1.90	35.04	53.9	18.8	150	0	Floor Noise
Hori.	7386.000	AV	38.71	36.32	-33.37	-	1.90	43.56	53.9	10.3	135	90	-
Hori.	9848.000	AV	35.36	37.54	-30.87	-	1.90	43.93	53.9	9.9	150	0	Floor Noise
Vert.	2483.500	PK	56.99	27.75	-25.08	-	1.90	61.56	73.9	12.3	162	99	-
Vert.	2879.923	PK	49.60	28.03	-35.66	-	1.90	43.87	73.9	30.0	149	80	-
Vert.	4924.000	PK	48.13	32.08	-35.32	-	1.90	46.79	73.9	27.1	150	0	Floor Noise
Vert.	7386.000	PK	49.28	36.32	-33.37	-	1.90	54.13	73.9	19.7	166	81	-
Vert.	9848.000	PK	46.72	37.54	-30.87	-	1.90	55.29	73.9	18.6	150	0	Floor Noise
Vert.	2483.500	AV	41.77	27.75	-25.08	-	1.90	46.34	53.9	7.5	162	99	-
Vert.	2879.923	AV	39.76	28.03	-35.66	-	1.90	34.03	53.9	19.8	149	80	-
Vert.	4924.000	AV	36.31	32.08	-35.32	-	1.90	34.97	53.9	18.9	150	0	Floor Noise
Vert.	7386.000	AV	37.51	36.32	-33.37	-	1.90	42.36	53.9	11.5	166	81	-
Vert.	9848.000	AV	35.59	37.54	-30.87	-	1.90	44.16	53.9	9.7	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.

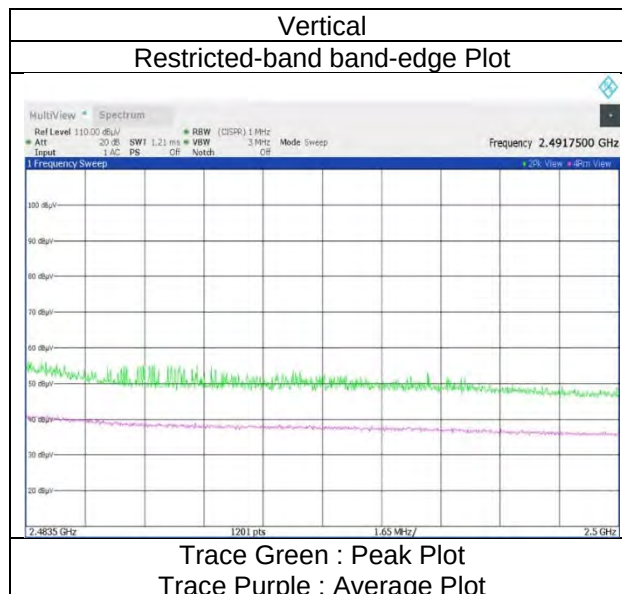
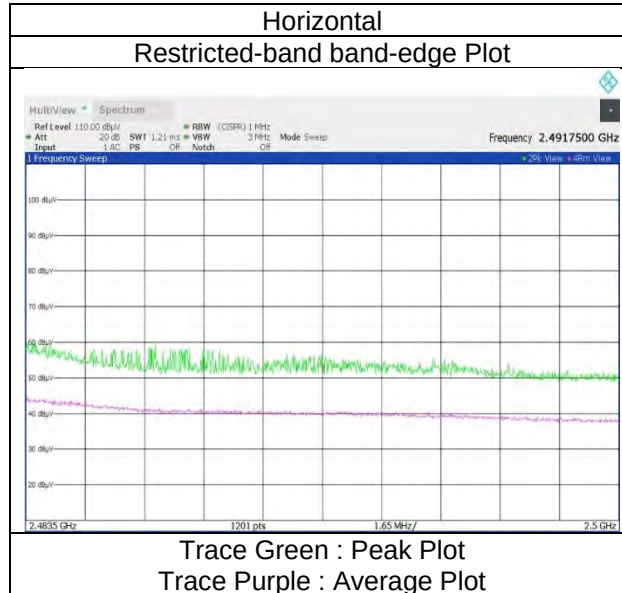
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90[dB]$

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
September 26, 2025	SAC3	23 deg. C	54 % RH	Yuta Shiba	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 (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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	65.78	27.56	-27.83	-	1.90	67.41	73.9	6.4	153	161	-
Hori.	2390.000	AV	49.54	27.56	-27.83	-	1.90	51.17	53.9	2.7	153	161	-
Vert.	2390.000	PK	64.98	27.56	-27.83	-	1.90	66.61	73.9	7.2	159	352	-
Vert.	2390.000	AV	47.35	27.56	-27.83	-	1.90	48.98	53.9	4.9	159	352	-

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 : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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	93.39	27.59	-27.82	-	1.90	95.06	-	-	Carrier
Hori.	2400.000	PK	60.58	27.57	-27.82	-	1.90	62.23	75.0	12.7	-
Vert.	2412.000	PK	92.55	27.59	-27.82	-	1.90	94.22	-	-	Carrier
Vert.	2400.000	PK	60.65	27.57	-27.82	-	1.90	62.30	74.2	11.9	-

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.

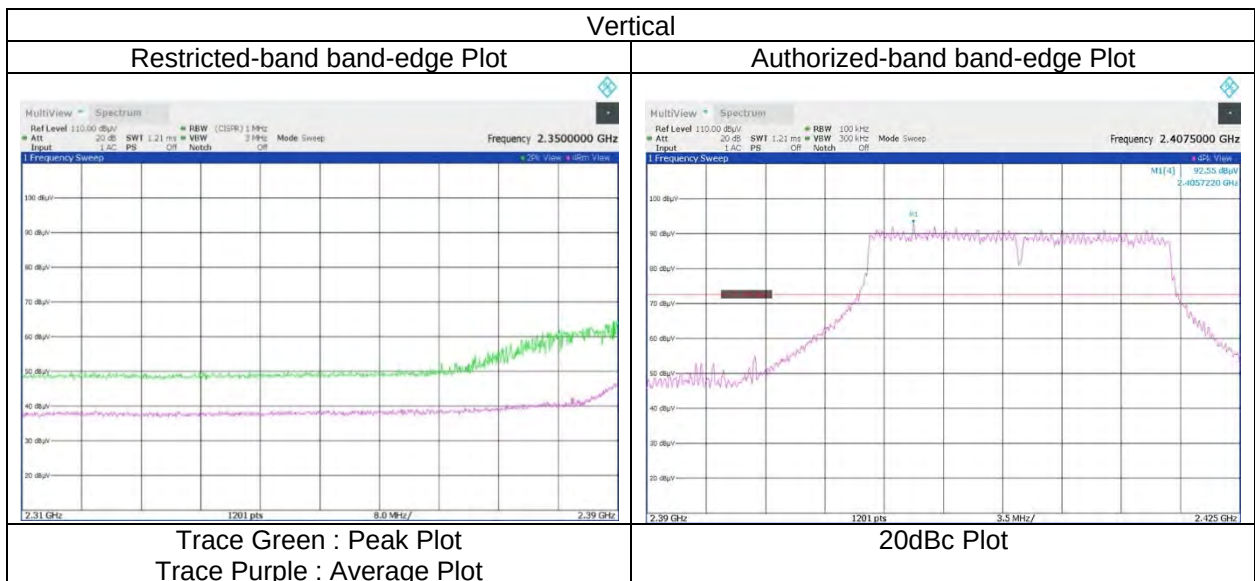
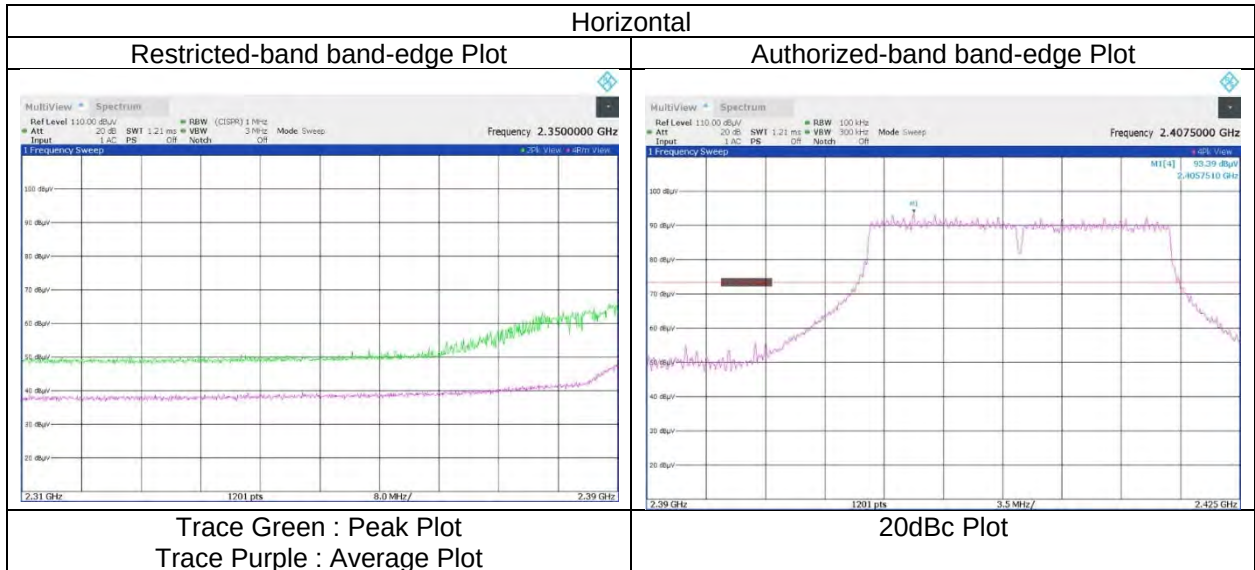
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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 (SISO)				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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 (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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	65.50	27.65	-27.77	-	1.90	67.28	73.9	6.6	203	286	-
Hori.	2483.500	AV	48.93	27.65	-27.77	-	1.90	50.71	53.9	3.1	203	286	-
Vert.	2483.500	PK	65.01	27.65	-27.77	-	1.90	66.79	73.9	7.1	156	62	-
Vert.	2483.500	AV	48.26	27.65	-27.77	-	1.90	50.04	53.9	3.8	156	62	-

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.

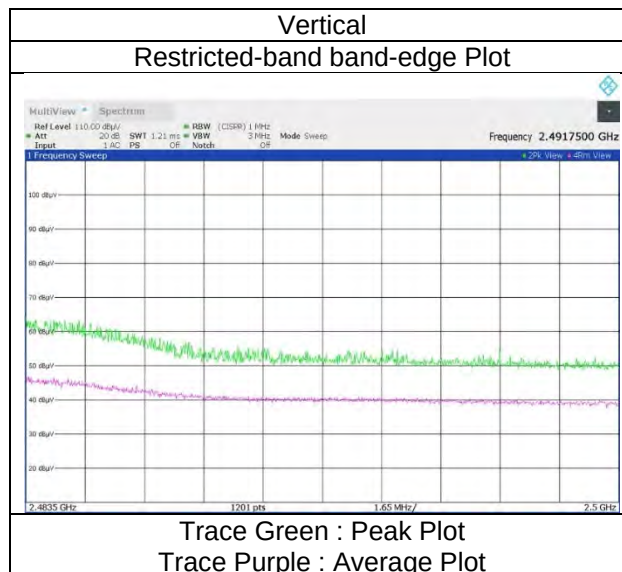
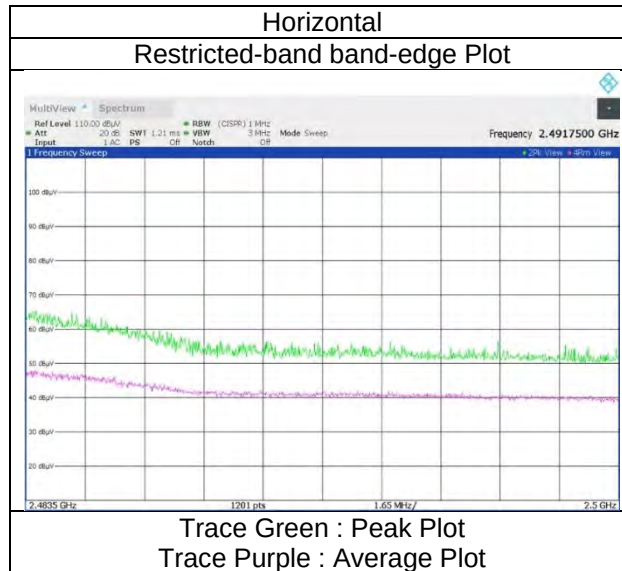
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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 (SISO)				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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 11ax-20 2412 MHz (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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	66.54	27.56	-27.83	-	1.90	68.17	73.9	5.7	161	147	-
Hori.	2390.000	AV	50.32	27.56	-27.83	-	1.90	51.95	53.9	1.9	161	147	-
Vert.	2390.000	PK	67.13	27.56	-27.83	-	1.90	68.76	73.9	5.1	147	289	-
Vert.	2390.000	AV	50.30	27.56	-27.83	-	1.90	51.93	53.9	1.9	147	289	-

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 : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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	94.21	27.59	-27.82	-	1.90	95.88	-	-	Carrier
Hori.	2400.000	PK	62.16	27.57	-27.82	-	1.90	63.81	75.8	11.9	-
Vert.	2412.000	PK	92.84	27.59	-27.82	-	1.90	94.51	-	-	Carrier
Vert.	2400.000	PK	60.79	27.57	-27.82	-	1.90	62.44	74.5	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.

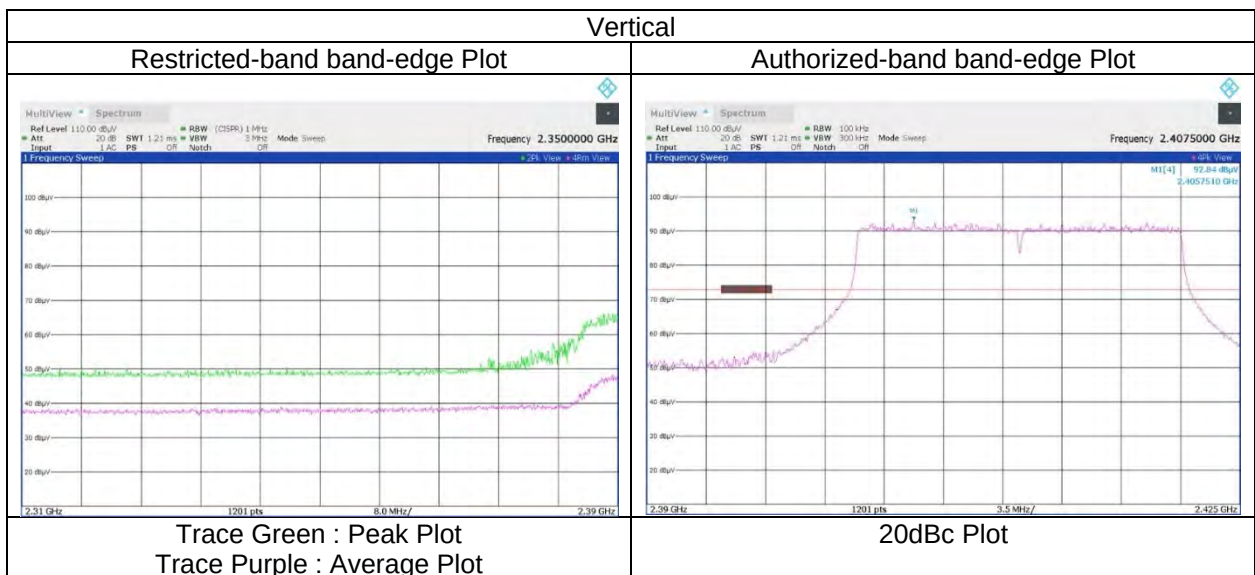
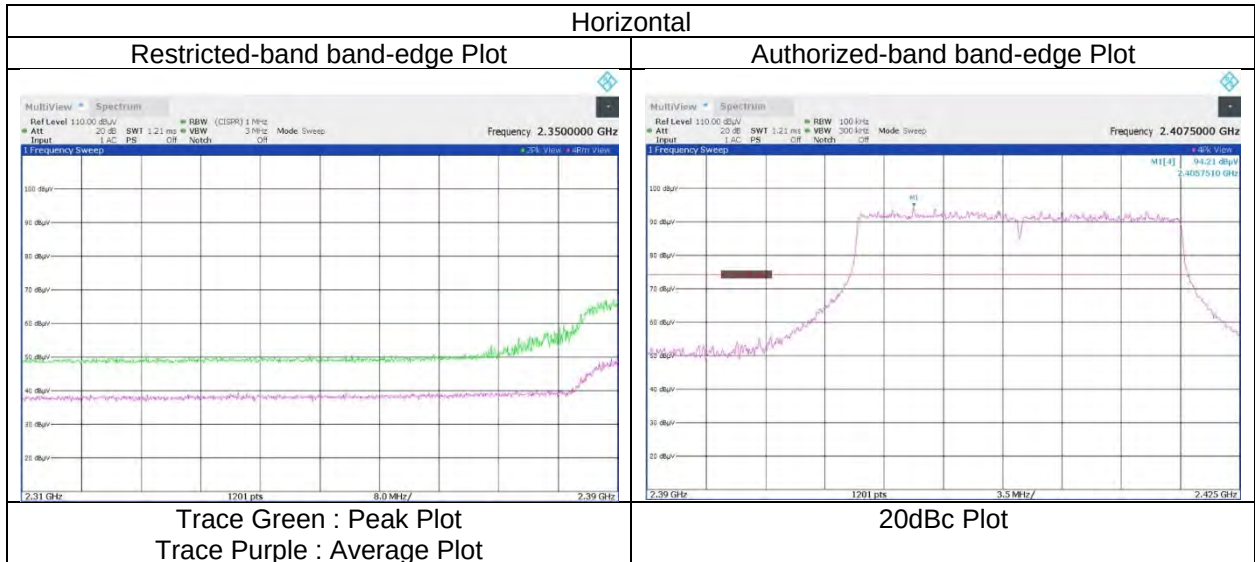
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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

Radiated Spurious Emission

Mode	Tx 11ax-20 2412 MHz (SISO)				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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 11ax-20 2462 MHz (SISO)
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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	65.90	27.65	-27.77	-	1.90	67.68	73.9	6.2	166	99	-
Hori.	2483.500	AV	50.66	27.65	-27.77	-	1.90	52.44	53.9	1.4	166	99	-
Vert.	2483.500	PK	62.78	27.65	-27.77	-	1.90	64.56	73.9	9.3	141	276	-
Vert.	2483.500	AV	47.29	27.65	-27.77	-	1.90	49.07	53.9	4.8	141	276	-

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.

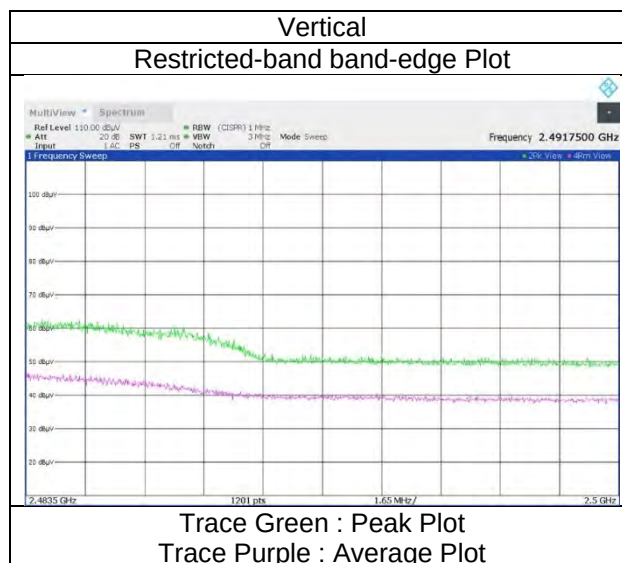
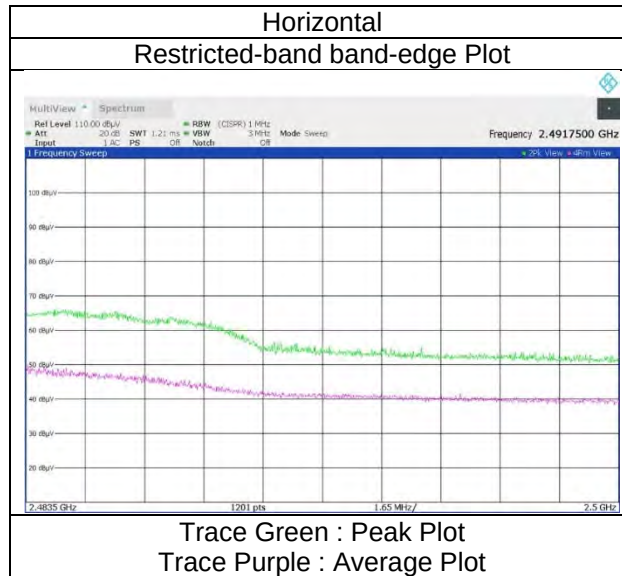
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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 11ax-20 2462 MHz (SISO)				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	24 deg. C	59 % RH	Miku Ikudome	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 11ax-20, OFDMA 26 tone, Index 0, 2412 MHz (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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.	2250.003	PK	40.47	28.11	-25.31	-	1.90	45.17	73.9	28.7	128	160	-
Hori.	2390.000	PK	40.23	27.87	-25.19	-	1.90	44.81	73.9	29.0	133	157	-
Hori.	2557.054	PK	42.45	27.77	-24.99	-	1.90	47.13	73.9	26.7	151	164	-
Hori.	2250.003	AV	29.22	28.11	-25.31	-	1.90	33.92	53.9	19.9	128	160	-
Hori.	2390.000	AV	28.87	27.87	-25.19	-	1.90	33.45	53.9	20.4	133	157	-
Hori.	2557.054	AV	31.78	27.77	-24.99	-	1.90	36.46	53.9	17.4	151	164	-
Vert.	2250.003	PK	41.08	28.11	-25.31	-	1.90	45.78	73.9	28.1	170	162	-
Vert.	2390.000	PK	38.77	27.87	-25.19	-	1.90	43.35	73.9	30.5	162	182	-
Vert.	2557.054	PK	41.22	27.77	-24.99	-	1.90	45.90	73.9	28.0	164	68	-
Vert.	2250.003	AV	29.64	28.11	-25.31	-	1.90	34.34	53.9	19.5	170	162	-
Vert.	2390.000	AV	27.15	27.87	-25.19	-	1.90	31.73	53.9	22.1	162	182	-
Vert.	2557.054	AV	30.12	27.77	-24.99	-	1.90	34.80	53.9	19.1	164	68	-

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 : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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	91.86	27.84	-25.16	-	1.90	96.44	-	-	Carrier
Hori.	2400.000	PK	56.94	27.86	-25.17	-	1.90	61.53	76.4	14.8	-
Vert.	2412.000	PK	89.40	27.84	-25.16	-	1.90	93.98	-	-	Carrier
Vert.	2400.000	PK	54.67	27.86	-25.17	-	1.90	59.26	73.9	14.6	-

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.

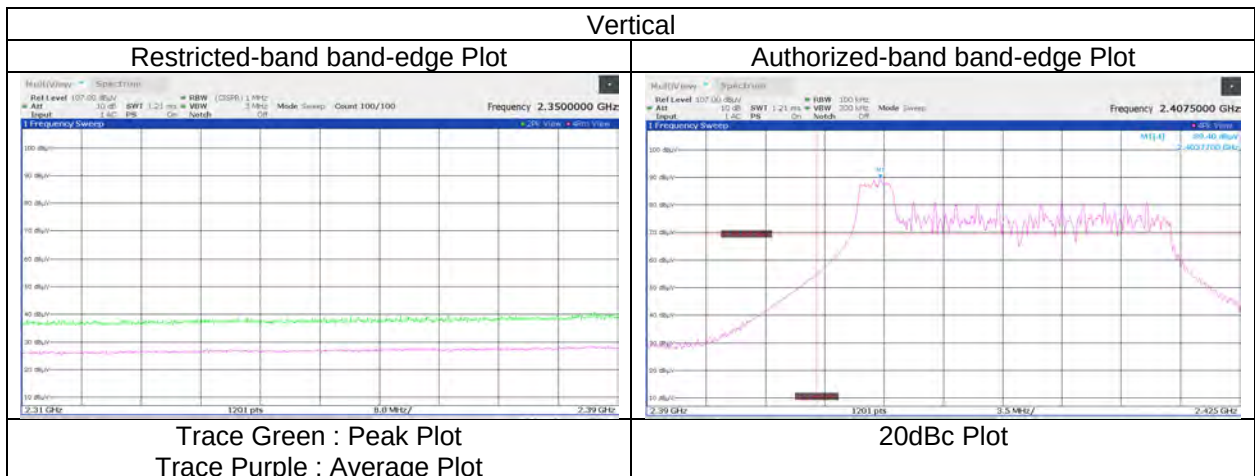
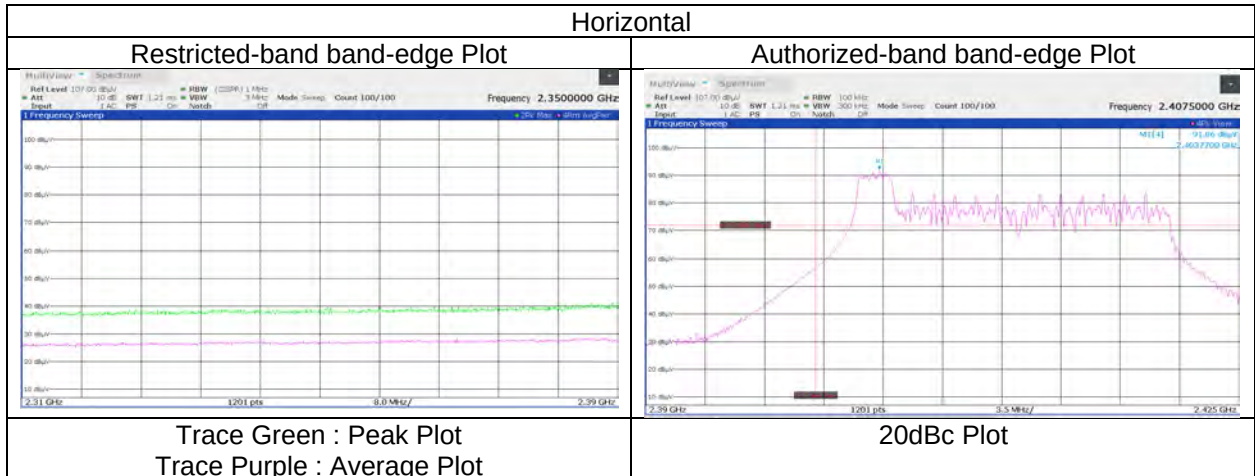
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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

Radiated Spurious Emission

Mode	Tx 11ax-20, OFDMA 26 tone, Index 0, 2412 MHz (SISO)				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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 11ax-20, OFDMA 26 tone, Index 8, 2462 MHz (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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.	2316.849	PK	39.98	28.05	-25.26	-	1.90	44.67	73.9	29.2	124	159	-
Hori.	2483.500	PK	41.28	27.75	-25.08	-	1.90	45.85	73.9	28.0	135	156	-
Hori.	2624.034	PK	45.87	27.83	-24.88	-	1.90	50.72	73.9	23.1	153	166	-
Hori.	2316.849	AV	28.78	28.05	-25.26	-	1.90	33.47	53.9	20.4	124	159	-
Hori.	2483.500	AV	29.43	27.75	-25.08	-	1.90	34.00	53.9	19.9	135	156	-
Hori.	2624.034	AV	34.22	27.83	-24.88	-	1.90	39.07	53.9	14.8	153	166	-
Vert.	2316.849	PK	40.81	28.05	-25.26	-	1.90	45.50	73.9	28.4	172	185	-
Vert.	2483.500	PK	38.26	27.75	-25.08	-	1.90	42.83	73.9	31.0	168	178	-
Vert.	2624.034	PK	46.04	27.83	-24.88	-	1.90	50.89	73.9	23.0	137	127	-
Vert.	2316.849	AV	30.78	28.05	-25.26	-	1.90	35.47	53.9	18.4	172	185	-
Vert.	2483.500	AV	26.93	27.75	-25.08	-	1.90	31.50	53.9	22.4	168	178	-
Vert.	2624.034	AV	35.12	27.83	-24.88	-	1.90	39.97	53.9	13.9	137	127	-

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).

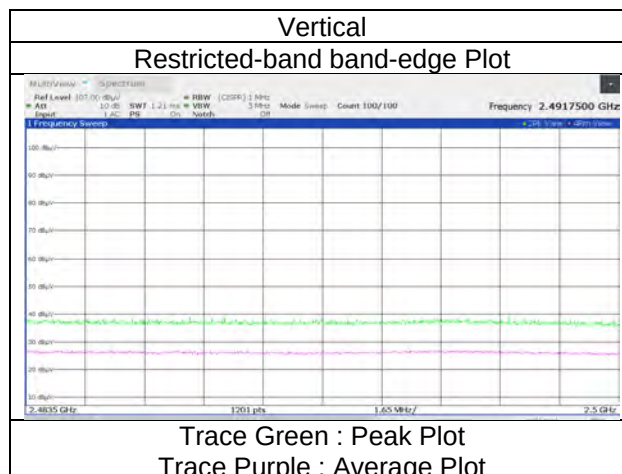
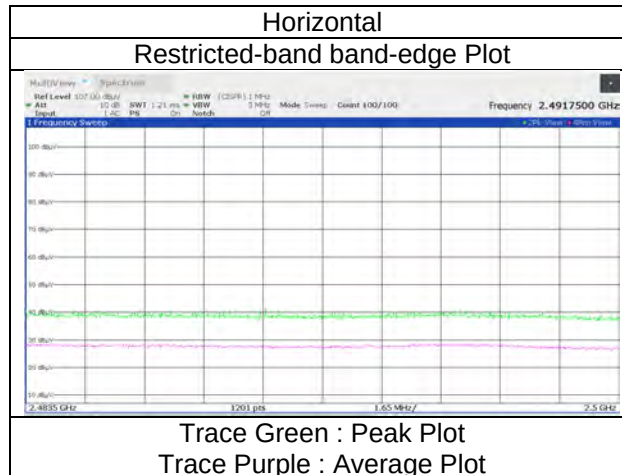
Distance Fac.: 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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 11ax-20, OFDMA 26 tone, Index 8, 2462 MHz (SISO)				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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 11ax-20, OFDMA 52 tone, Index 37, 2412 MHz (SISO)
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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.	2250.999	PK	40.78	28.11	-25.31	-	1.90	45.48	73.9	28.4	171	163	-
Hori.	2389.013	PK	45.27	27.87	-25.19	-	1.90	49.85	73.9	24.0	132	159	-
Hori.	2390.000	PK	44.90	27.87	-25.19	-	1.90	49.48	73.9	24.4	132	159	-
Hori.	2558.018	PK	43.32	27.77	-24.98	-	1.90	48.01	73.9	25.8	133	167	-
Hori.	2250.999	AV	29.43	28.11	-25.31	-	1.90	34.13	53.9	19.7	171	163	-
Hori.	2389.013	AV	29.49	27.87	-25.19	-	1.90	34.07	53.9	19.8	132	159	-
Hori.	2390.000	AV	28.62	27.87	-25.19	-	1.90	33.20	53.9	20.7	132	159	-
Hori.	2558.018	AV	32.09	27.77	-24.98	-	1.90	36.78	53.9	17.1	133	167	-
Vert.	2250.999	PK	40.94	28.11	-25.31	-	1.90	45.64	73.9	28.2	168	158	-
Vert.	2389.013	PK	45.18	27.87	-25.19	-	1.90	49.76	73.9	24.1	161	186	-
Vert.	2390.000	PK	44.06	27.87	-25.19	-	1.90	48.64	73.9	25.2	161	186	-
Vert.	2558.018	PK	41.61	27.77	-24.98	-	1.90	46.30	73.9	27.6	163	126	-
Vert.	2250.999	AV	29.65	28.11	-25.31	-	1.90	34.35	53.9	19.5	168	158	-
Vert.	2389.013	AV	29.24	27.87	-25.19	-	1.90	33.82	53.9	20.0	161	186	-
Vert.	2390.000	AV	28.44	27.87	-25.19	-	1.90	33.02	53.9	20.8	161	186	-
Vert.	2558.018	AV	30.22	27.77	-24.98	-	1.90	34.91	53.9	18.9	163	126	-

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 : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2412.000	PK	89.75	27.84	-25.16	-	1.90	94.33	-	-	Carrier
Hori.	2400.000	PK	56.81	27.86	-25.17	-	1.90	61.40	74.3	12.9	-
Vert.	2412.000	PK	87.84	27.84	-25.16	-	1.90	92.42	-	-	Carrier
Vert.	2400.000	PK	55.53	27.86	-25.17	-	1.90	60.12	72.4	12.2	-

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.

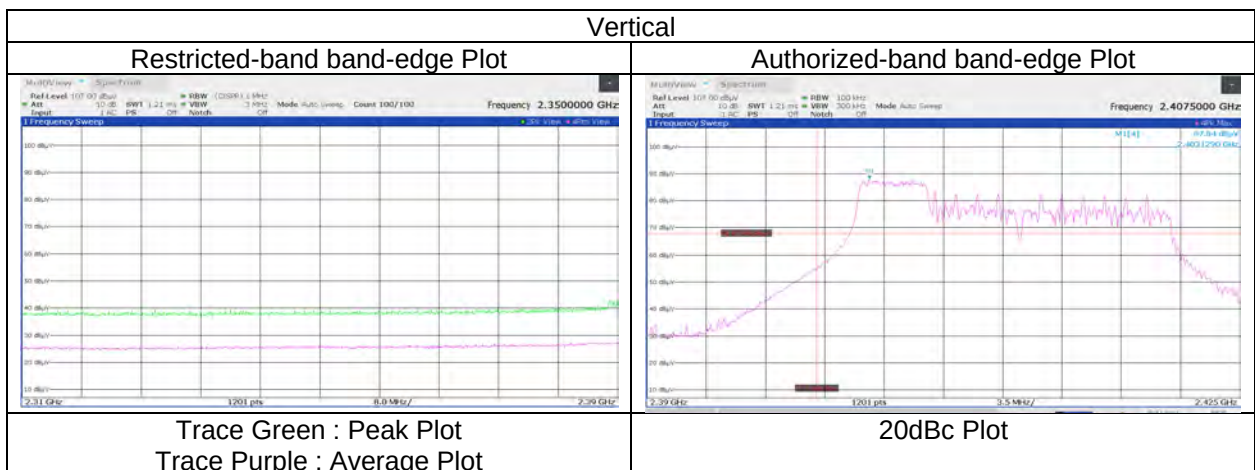
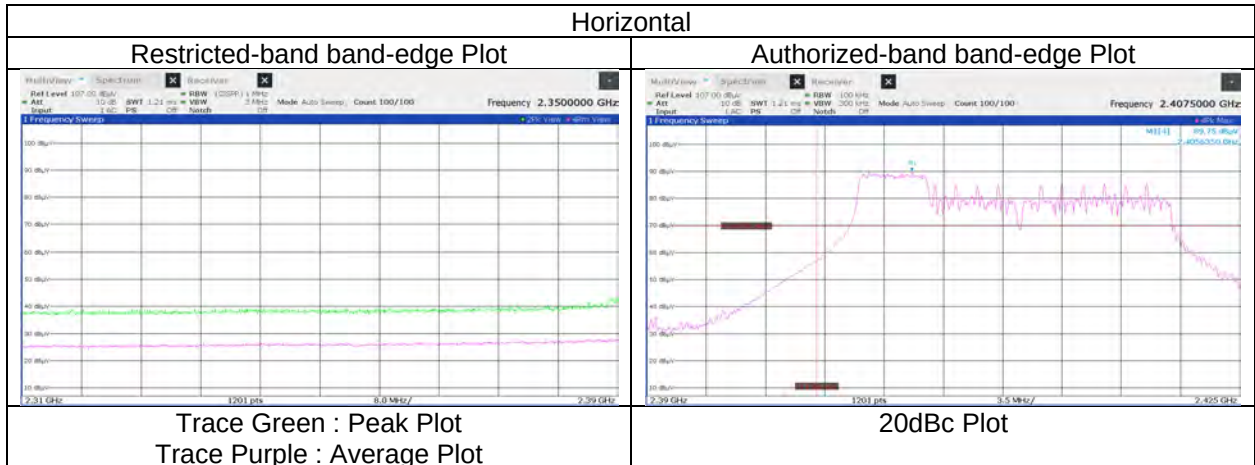
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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

Radiated Spurious Emission

Mode	Tx 11ax-20, OFDMA 52 tone, Index37, 2412 MHz (SISO)				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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 11ax-20, OFDMA 52 tone, Index 40, 2462 MHz (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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.	2315.923	PK	40.22	28.05	-25.26	-	1.90	44.91	73.9	28.9	126	153	-
Hori.	2483.500	PK	44.63	27.75	-25.08	-	1.90	49.20	73.9	24.7	137	160	-
Hori.	2623.042	PK	40.78	27.83	-24.88	-	1.90	45.63	73.9	28.2	152	164	-
Hori.	2315.923	AV	29.98	28.05	-25.26	-	1.90	34.67	53.9	19.2	126	153	-
Hori.	2483.500	AV	30.06	27.75	-25.08	-	1.90	34.63	53.9	19.2	137	160	-
Hori.	2623.042	AV	30.09	27.83	-24.88	-	1.90	34.94	53.9	18.9	152	164	-
Vert.	2315.923	PK	43.09	28.05	-25.26	-	1.90	47.78	73.9	26.1	171	149	-
Vert.	2483.500	PK	44.25	27.75	-25.08	-	1.90	48.82	73.9	25.0	165	159	-
Vert.	2623.042	PK	43.58	27.83	-24.88	-	1.90	48.43	73.9	25.4	138	132	-
Vert.	2315.923	AV	31.44	28.05	-25.26	-	1.90	36.13	53.9	17.7	171	149	-
Vert.	2483.500	AV	29.89	27.75	-25.08	-	1.90	34.46	53.9	19.4	165	159	-
Vert.	2623.042	AV	31.56	27.83	-24.88	-	1.90	36.41	53.9	17.4	138	132	-

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.

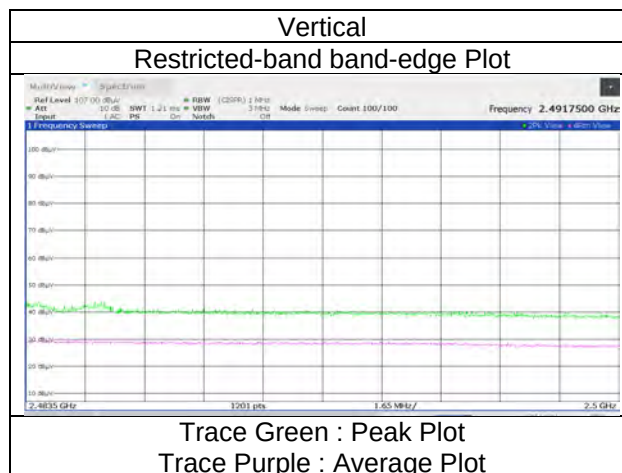
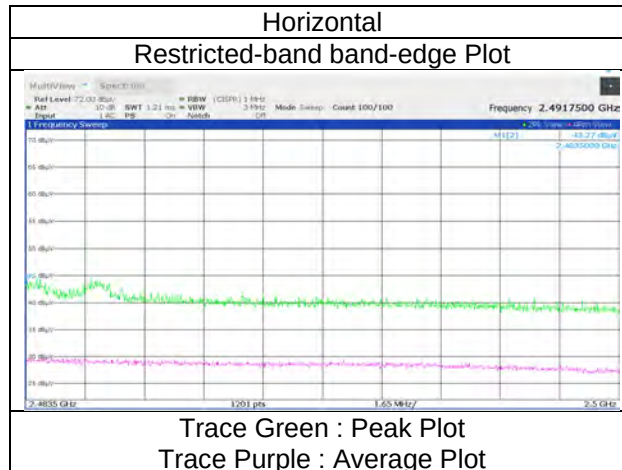
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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 11ax-20, OFDMA 52 tone, Index 40, 2462 MHz (SISO)				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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 11ax-20, OFDMA 106 tone, Index 53, 2412 MHz (SISO)
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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.	2252.729	PK	42.82	28.11	-25.31	-	1.90	47.52	73.9	26.3	123	165	-
Hori.	2390.000	PK	44.78	27.87	-25.19	-	1.90	49.36	73.9	24.5	137	163	-
Hori.	2559.856	PK	45.65	27.77	-24.98	-	1.90	50.34	73.9	23.5	131	164	-
Hori.	2252.729	AV	31.32	28.11	-25.31	-	1.90	36.02	53.9	17.8	123	165	-
Hori.	2390.000	AV	31.68	27.87	-25.19	-	1.90	36.26	53.9	17.6	137	163	-
Hori.	2559.856	AV	33.82	27.77	-24.98	-	1.90	38.51	53.9	15.3	131	164	-
Vert.	2252.729	PK	41.28	28.11	-25.31	-	1.90	45.98	73.9	27.9	164	149	-
Vert.	2390.000	PK	41.04	27.87	-25.19	-	1.90	45.62	73.9	28.2	162	182	-
Vert.	2559.856	PK	43.98	27.77	-24.98	-	1.90	48.67	73.9	25.2	178	157	-
Vert.	2252.729	AV	30.17	28.11	-25.31	-	1.90	34.87	53.9	19.0	164	149	-
Vert.	2390.000	AV	28.94	27.87	-25.19	-	1.90	33.52	53.9	20.3	162	182	-
Vert.	2559.856	AV	33.43	27.77	-24.98	-	1.90	38.12	53.9	15.7	178	157	-

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 : $20\log(3.73[m]/3.0[m]) = 1.90[dB]$

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	93.13	27.84	-25.16	-	1.90	97.71	-	-	Carrier
Hori.	2400.000	PK	60.59	27.86	-25.17	-	1.90	65.18	77.7	12.5	-
Vert.	2412.000	PK	87.48	27.84	-25.16	-	1.90	92.06	-	-	Carrier
Vert.	2400.000	PK	54.26	27.86	-25.17	-	1.90	58.85	72.0	13.1	-

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.

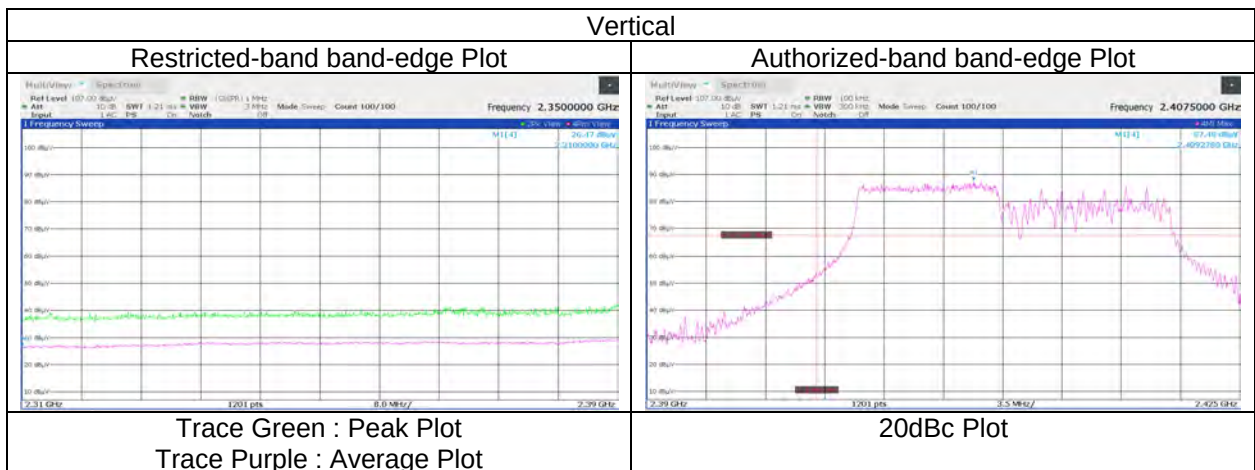
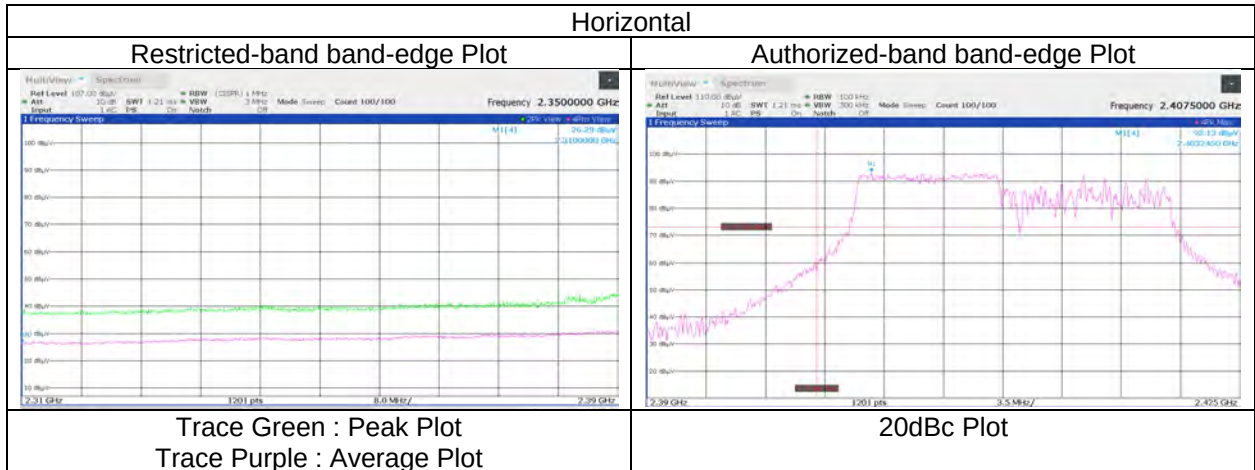
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90[dB]$

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

Radiated Spurious Emission

Mode	Tx 11ax-20, OFDMA 106 tone, Index 53, 2412 MHz (SISO)				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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 11ax-20, OFDMA 106 tone, Index 54, 2462 MHz (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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.	2313.760	PK	41.68	28.06	-25.26	-	1.90	46.38	73.9	27.5	133	155	-
Hori.	2483.500	PK	46.96	27.75	-25.08	-	1.90	51.53	73.9	22.3	138	203	-
Hori.	2621.018	PK	41.72	27.82	-24.89	-	1.90	46.55	73.9	27.3	156	163	-
Hori.	2313.760	AV	30.88	28.06	-25.26	-	1.90	35.58	53.9	18.3	133	155	-
Hori.	2483.500	AV	30.44	27.75	-25.08	-	1.90	35.01	53.9	18.8	138	203	-
Hori.	2621.018	AV	31.74	27.82	-24.89	-	1.90	36.57	53.9	17.3	156	163	-
Vert.	2313.760	PK	41.62	28.06	-25.26	-	1.90	46.32	73.9	27.5	158	149	-
Vert.	2483.500	PK	48.04	27.75	-25.08	-	1.90	52.61	73.9	21.2	163	148	-
Vert.	2621.018	PK	45.05	27.82	-24.89	-	1.90	49.88	73.9	24.0	135	147	-
Vert.	2313.760	AV	30.76	28.06	-25.26	-	1.90	35.46	53.9	18.4	158	149	-
Vert.	2483.500	AV	31.58	27.75	-25.08	-	1.90	36.15	53.9	17.7	163	148	-
Vert.	2621.018	AV	34.24	27.82	-24.89	-	1.90	39.07	53.9	14.8	135	147	-

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.

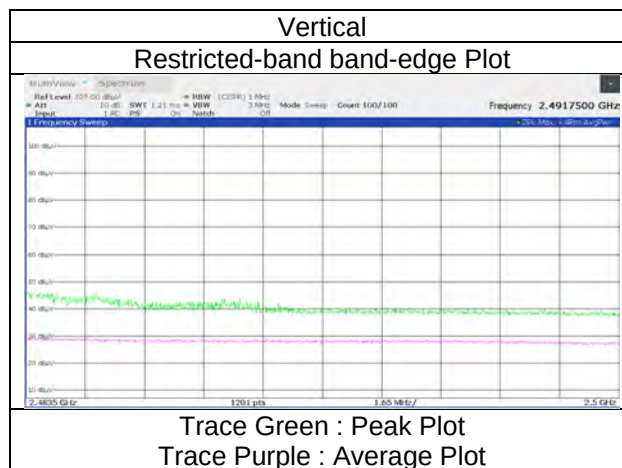
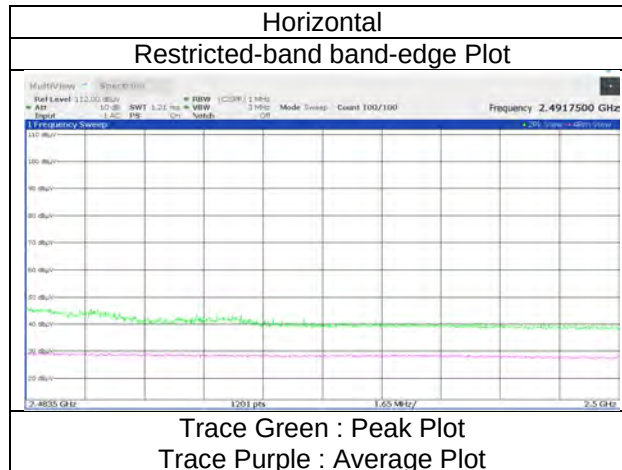
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac.: 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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 11ax-20, OFDMA 106 tone, Index 54, 2462 MHz (SISO)				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 27, 2025	SAC3	23 deg. C	56 % RH	Kenichi Adachi	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 11ax-20, OFDMA 242 tone, Index 61, 2412 MHz (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	25 deg. C	56 % RH	Masahide Ozaki	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	58.09	27.56	-27.83	-	1.90	59.72	73.9	14.1	281	304	-
Hori.	2390.000	AV	42.02	27.56	-27.83	-	1.90	43.65	53.9	10.2	281	304	-
Vert.	2390.000	PK	58.97	27.56	-27.83	-	1.90	60.60	73.9	13.3	141	358	-
Vert.	2390.000	AV	42.18	27.56	-27.83	-	1.90	43.81	53.9	10.0	141	358	-

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 : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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	88.49	27.59	-27.82	-	1.90	90.16	-	-	Carrier
Hori.	2400.000	PK	59.80	27.57	-27.82	-	1.90	61.45	70.1	8.6	-
Vert.	2412.000	PK	88.87	27.59	-27.82	-	1.90	90.54	-	-	Carrier
Vert.	2400.000	PK	59.90	27.57	-27.82	-	1.90	61.55	70.5	8.9	-

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.

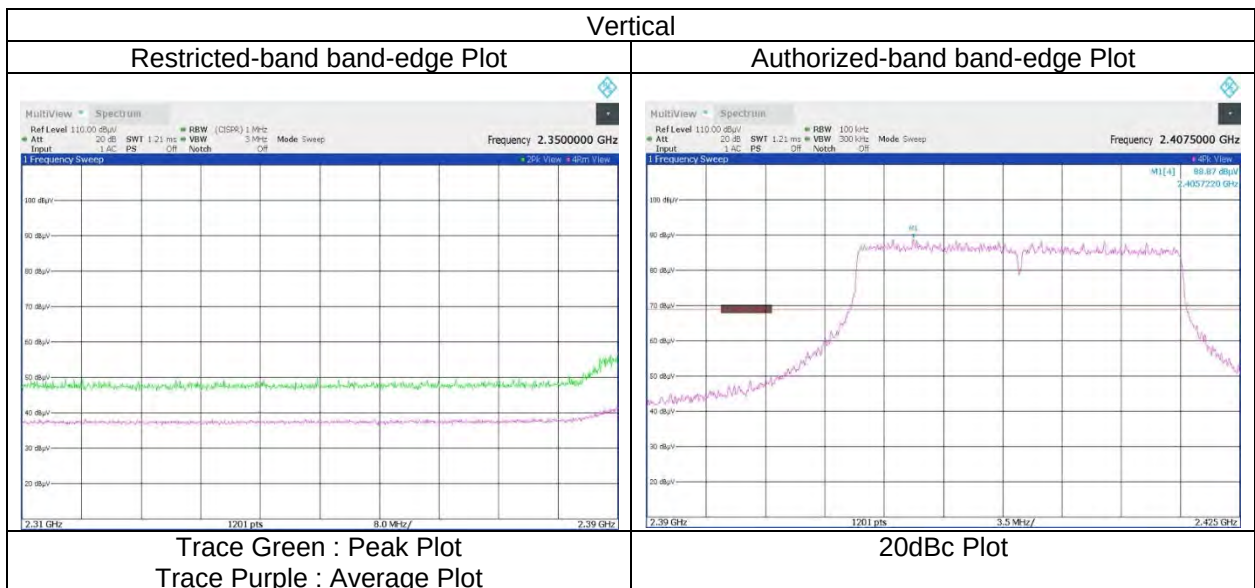
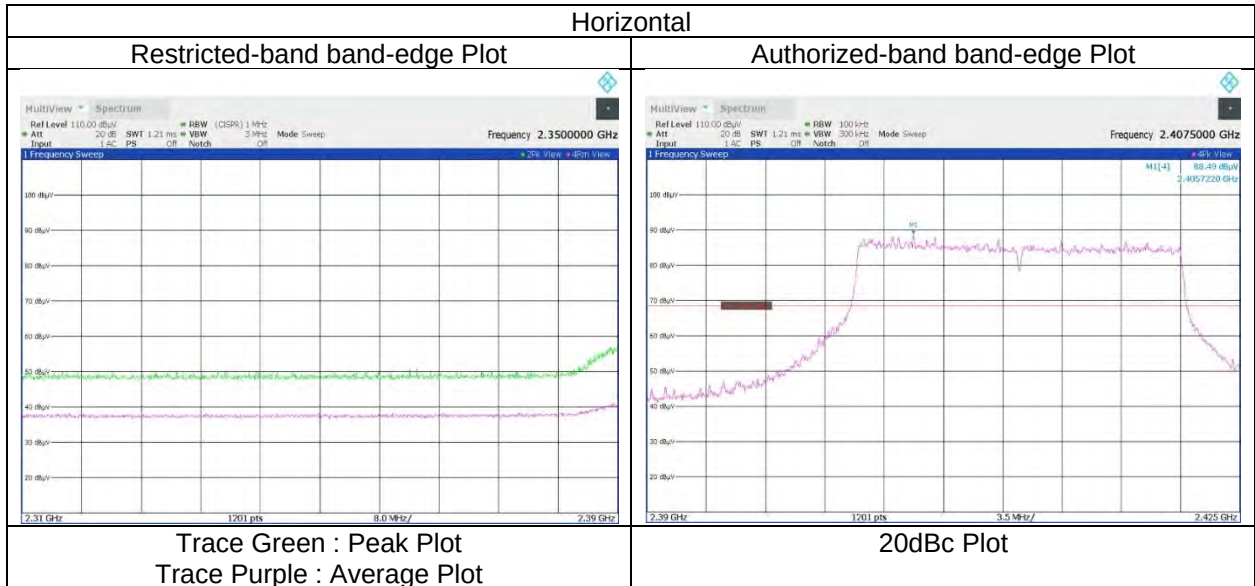
Distance Fac.: 1 GHz to 10 GHz : $20\log(3.73[m] / 3.0[m]) = 1.90 [dB]$

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

Radiated Spurious Emission

Mode	Tx 11ax-20, OFDMA 242 tone, Index 61, 2412 MHz (SISO)				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	25 deg. C	56 % RH	Masahide Ozaki	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 11ax-20, OFDMA 242 tone, Index 61, 2462 MHz (SISO)												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	25 deg. C	56 % RH	Masahide Ozaki	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	58.48	27.65	-27.77	-	1.90	60.26	73.9	13.6	133	267	-
Hori.	2483.500	AV	41.59	27.65	-27.77	-	1.90	43.37	53.9	10.5	133	267	-
Vert.	2483.500	PK	57.77	27.65	-27.77	-	1.90	59.55	73.9	14.3	143	330	-
Vert.	2483.500	AV	40.20	27.65	-27.77	-	1.90	41.98	53.9	11.9	143	330	-

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.

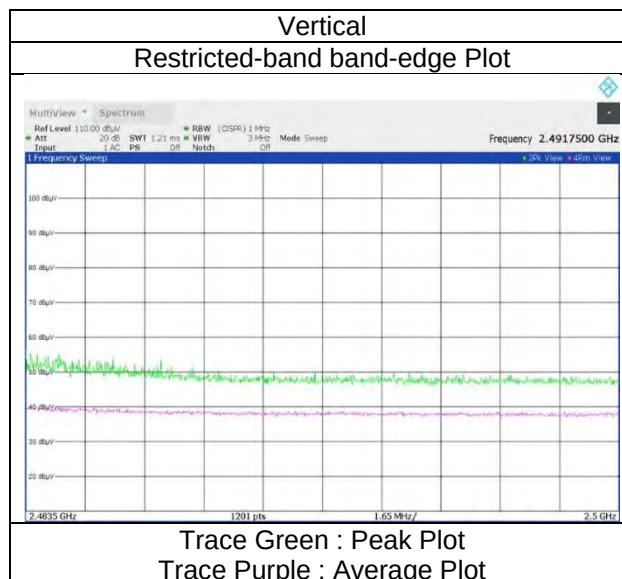
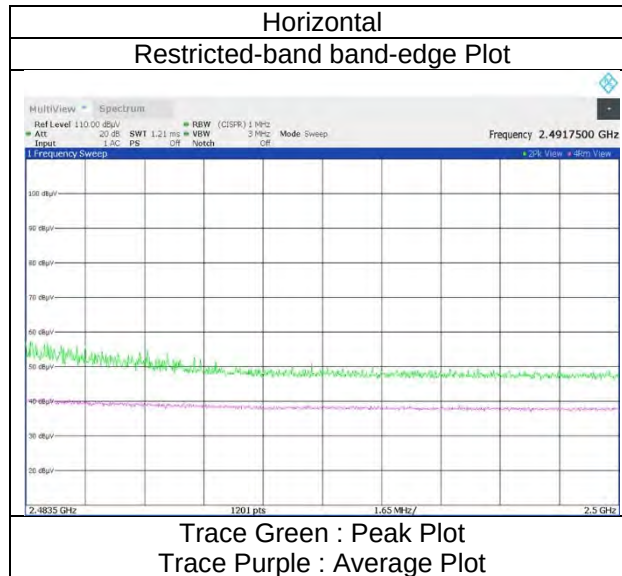
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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 11ax-20, OFDMA 242 tone, Index 61, 2462 MHz (SISO)				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 3, 2025	WAC1	25 deg. C	56 % RH	Masahide Ozaki	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 1 M-PHY, 2402 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 30, 2025	WAC1	19 deg. C	47 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
November 4, 2025	WAC1	24 deg. C	45 % RH	Takayuki Kobayashi	2.8 GHz to 18 GHz
November 5, 2025	WAC1	24 deg. C	43 % RH	Takayuki Kobayashi	18 GHz to 26.5 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.	2248.552	PK	51.95	27.25	-27.91	-	1.90	53.19	73.9	20.7	148	42	-
Hori.	2274.042	PK	57.85	27.30	-27.89	-	1.90	59.16	73.9	14.7	219	290	-
Hori.	2390.000	PK	48.00	27.56	-27.83	-	1.90	49.63	73.9	24.2	208	307	-
Hori.	2913.862	PK	50.49	28.29	-35.75	-	1.90	44.93	73.9	28.9	280	326	-
Hori.	2977.748	PK	48.53	28.61	-35.90	-	1.90	43.14	73.9	30.7	278	324	-
Hori.	3041.658	PK	51.15	28.75	-35.90	-	1.90	45.90	73.9	28.0	285	325	-
Hori.	4804.000	PK	47.21	31.49	-35.20	-	1.90	45.40	73.9	28.5	150	0	Floor Noise
Hori.	7206.000	PK	48.05	35.86	-33.66	-	1.90	52.15	73.9	21.7	150	0	Floor Noise
Hori.	9608.000	PK	46.58	37.56	-31.07	-	1.90	54.97	73.9	18.9	150	0	Floor Noise
Hori.	4804.000	AV	35.49	31.49	-35.20	-	1.90	33.68	53.9	20.2	150	0	Floor Noise
Hori.	7206.000	AV	36.16	35.86	-33.66	-	1.90	40.26	53.9	13.6	150	0	Floor Noise
Hori.	9608.000	AV	35.04	37.56	-31.07	-	1.90	43.43	53.9	10.4	150	0	Floor Noise
Vert.	2248.552	PK	51.66	27.25	-27.91	-	1.90	52.90	73.9	21.0	189	347	-
Vert.	2274.042	PK	54.56	27.30	-27.89	-	1.90	55.87	73.9	18.0	154	356	-
Vert.	2390.000	PK	47.21	27.56	-27.83	-	1.90	48.84	73.9	25.0	184	343	-
Vert.	2913.862	PK	50.38	28.29	-35.75	-	1.90	44.82	73.9	29.0	346	342	-
Vert.	2977.748	PK	49.11	28.61	-35.90	-	1.90	43.72	73.9	30.1	361	10	-
Vert.	3041.658	PK	51.30	28.75	-35.90	-	1.90	46.05	73.9	27.8	350	18	-
Vert.	4804.000	PK	48.37	31.49	-35.20	-	1.90	46.56	73.9	27.3	352	3	Floor Noise
Vert.	7206.000	PK	48.03	35.86	-33.66	-	1.90	52.13	73.9	21.7	150	0	Floor Noise
Vert.	9608.000	PK	46.36	37.56	-31.07	-	1.90	54.75	73.9	19.1	150	0	Floor Noise
Vert.	4804.000	AV	36.16	31.49	-35.20	-	1.90	34.35	53.9	19.5	352	3	Floor Noise
Vert.	7206.000	AV	36.20	35.86	-33.66	-	1.90	40.30	53.9	13.6	150	0	Floor Noise
Vert.	9608.000	AV	35.17	37.56	-31.07	-	1.90	43.56	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 : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

Peak measurement value with Duty cycle correction factor (DCCF)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	DCCF [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2248.552	PK	51.95	27.25	-27.91	-	-15.34	1.90	37.85	53.9	16.0 *2)	-
Hori.	2274.042	PK	57.85	27.30	-27.89	-	-15.34	1.90	43.82	53.9	10.0 *2)	-
Hori.	2390.000	PK	48.00	27.56	-27.83	-	-15.34	1.90	34.29	53.9	19.6 *1)	-
Hori.	2913.862	PK	50.49	28.29	-35.75	-	-15.34	1.90	29.59	53.9	24.3 *2)	-
Hori.	2977.748	PK	48.53	28.61	-35.90	-	-15.34	1.90	27.80	53.9	26.1 *2)	-
Hori.	3041.658	PK	51.15	28.75	-35.90	-	-15.34	1.90	30.56	53.9	23.3 *2)	-
Vert.	2248.552	PK	51.66	27.25	-27.91	-	-15.34	1.90	37.56	53.9	16.3 *2)	-
Vert.	2274.042	PK	54.56	27.30	-27.89	-	-15.34	1.90	40.53	53.9	13.3 *2)	-
Vert.	2390.000	PK	47.21	27.56	-27.83	-	-15.34	1.90	33.50	53.9	20.4 *1)	-
Vert.	2913.862	PK	50.38	28.29	-35.75	-	-15.34	1.90	29.48	53.9	24.4 *2)	-
Vert.	2977.748	PK	49.11	28.61	-35.90	-	-15.34	1.90	28.38	53.9	25.5 *2)	-
Vert.	3041.658	PK	51.30	28.75	-35.90	-	-15.34	1.90	30.71	53.9	23.1 *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) + DCCF + Distance Fac.

Distance Fac.: 1 GHz to 10 GHz : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

Duty cycle correction factor (DCCF) refer to "Duty cycle correction factor" sheet.

*1) Not out of band emission (Leakage Power), *2) Noise synchronized with duty of carrier frequency.

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	98.53	27.57	-27.82	-	1.90	100.18	-	-	Carrier
Hori.	2400.000	PK	41.39	27.57	-27.82	-	1.90	43.04	80.1	37.0	-
Hori.	2529.953	PK	53.68	27.57	-27.73	-	1.90	55.42	80.1	24.6	-
Hori.	2555.437	PK	47.28	27.49	-27.70	-	1.90	48.97	80.1	31.1	-
Vert.	2402.000	PK	97.36	27.57	-27.82	-	1.90	99.01	-	-	Carrier
Vert.	2400.000	PK	40.64	27.57	-27.82	-	1.90	42.29	79.0	36.7	-
Vert.	2529.953	PK	52.05	27.57	-27.73	-	1.90	53.79	79.0	25.2	-
Vert.	2555.437	PK	47.53	27.49	-27.70	-	1.90	49.22	79.0	29.7	-

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.

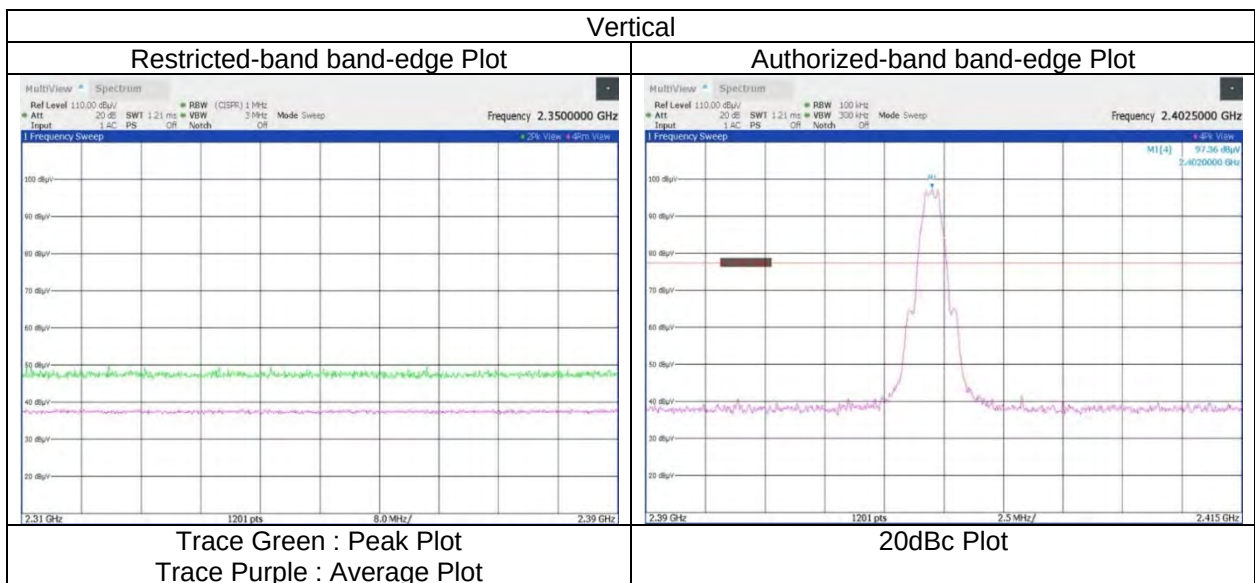
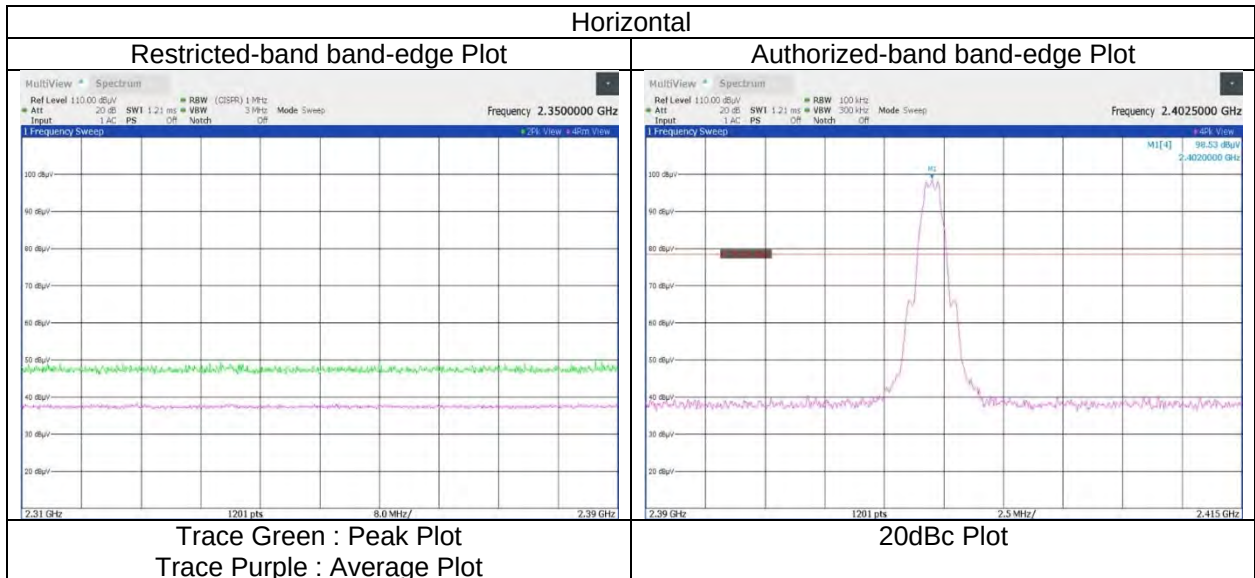
Distance Fac.: 1 GHz to 10 GHz : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

**Radiated Spurious Emission
(Reference Plot for band-edge)**

Mode	Tx BT LE 1 M-PHY, 2402 MHz				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 30, 2025	WAC1	19 deg. C	47 % 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 and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 1 M-PHY, 2440 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 31, 2025	WAC1	20 deg. C	48 % RH	Hiromasa Sato	1 GHz to 2.8 GHz
November 4, 2025	WAC1	24 deg. C	45 % RH	Takayuki Kobayashi	2.8 GHz to 18 GHz
November 5, 2025	WAC1	24 deg. C	43 % RH	Takayuki Kobayashi	18 GHz to 26.5 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.	2248.074	PK	50.56	27.25	-27.91	-	1.90	51.80	73.9	22.1	247	48	-
Hori.	2286.773	PK	53.01	27.32	-27.88	-	1.90	54.35	73.9	19.5	295	286	-
Hori.	2311.983	PK	57.89	27.39	-27.88	-	1.90	59.30	73.9	14.6	226	281	-
Hori.	2951.668	PK	50.19	28.51	-35.82	-	1.90	44.78	73.9	29.1	220	328	-
Hori.	4880.000	PK	47.89	31.91	-35.27	-	1.90	46.43	73.9	27.4	150	0	Floor Noise
Hori.	7320.000	PK	48.01	36.24	-33.47	-	1.90	52.68	73.9	21.2	150	0	Floor Noise
Hori.	9760.000	PK	46.17	37.52	-30.95	-	1.90	54.64	73.9	19.2	150	0	Floor Noise
Hori.	4880.000	AV	36.94	31.91	-35.27	-	1.90	35.48	53.9	18.4	150	0	Floor Noise
Hori.	7320.000	AV	37.23	36.24	-33.47	-	1.90	41.90	53.9	12.0	150	0	Floor Noise
Hori.	9760.000	AV	35.25	37.52	-30.95	-	1.90	43.72	53.9	10.1	150	0	Floor Noise
Vert.	2248.050	PK	49.16	27.25	-27.91	-	1.90	50.40	73.9	23.5	195	342	-
Vert.	2286.773	PK	51.77	27.32	-27.88	-	1.90	53.11	73.9	20.7	149	359	-
Vert.	2311.983	PK	56.29	27.39	-27.88	-	1.90	57.70	73.9	16.2	160	345	-
Vert.	2951.668	PK	50.96	28.51	-35.82	-	1.90	45.55	73.9	28.3	246	346	-
Vert.	4880.000	PK	48.52	31.91	-35.27	-	1.90	47.06	73.9	26.8	150	0	Floor Noise
Vert.	7320.000	PK	47.92	36.24	-33.47	-	1.90	52.59	73.9	21.3	150	0	Floor Noise
Vert.	9760.000	PK	46.25	37.52	-30.95	-	1.90	54.72	73.9	19.1	150	0	Floor Noise
Vert.	4880.000	AV	37.05	31.91	-35.27	-	1.90	35.59	53.9	18.3	150	0	Floor Noise
Vert.	7320.000	AV	37.23	36.24	-33.47	-	1.90	41.90	53.9	12.0	150	0	Floor Noise
Vert.	9760.000	AV	35.41	37.52	-30.95	-	1.90	43.88	53.9	10.0	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 : $20\log(3.73\text{ [m]} / 3.0\text{ [m]}) = 1.90\text{ [dB]}$

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

Peak measurement value with Duty cycle correction factor (DCCF)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	DCCF [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2248.074	PK	50.56	27.25	-27.91	-	-15.34	1.90	36.46	53.9	17.4	*2)
Hori.	2286.773	PK	53.01	27.32	-27.88	-	-15.34	1.90	39.01	53.9	14.8	*2)
Hori.	2311.983	PK	57.89	27.39	-27.88	-	-15.34	1.90	43.96	53.9	9.9	*2)
Hori.	2951.668	PK	50.19	28.51	-35.82	-	-15.34	1.90	29.44	53.9	24.4	*2)
Vert.	2248.050	PK	49.16	27.25	-27.91	-	-15.34	1.90	35.06	53.9	18.8	*2)
Vert.	2286.773	PK	51.77	27.32	-27.88	-	-15.34	1.90	37.77	53.9	16.1	*2)
Vert.	2311.983	PK	56.29	27.39	-27.88	-	-15.34	1.90	42.36	53.9	11.5	*2)
Vert.	2951.668	PK	50.96	28.51	-35.82	-	-15.34	1.90	30.21	53.9	23.6	*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) + DCCF + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73\text{ [m]} / 3.0\text{ [m]}) = 1.90\text{ [dB]}$

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

Duty cycle correction factor (DCCF) refer to "Duty cycle correction factor" sheet.

*2) Noise synchronized with duty of carrier frequency.

20 dBc Data Sheet

(RBW 100 kHz, VEW 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.	2440.000	PK	98.25	27.65	-27.78	-	1.90	100.02	-	-	Carrier
Hori.	2568.261	PK	54.56	27.46	-27.68	-	1.90	56.24	80.0	23.7	-
Hori.	2593.674	PK	46.26	27.37	-27.64	-	1.90	47.89	80.0	32.1	-
Vert.	2440.000	PK	96.63	27.65	-27.78	-	1.90	98.40	-	-	Carrier
Vert.	2568.261	PK	52.57	27.46	-27.68	-	1.90	54.25	78.4	24.1	-
Vert.	2593.674	PK	47.43	27.37	-27.64	-	1.90	49.06	78.4	29.3	-

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 : $20\log(3.73\text{ [m]} / 3.0\text{ [m]}) = 1.90\text{ [dB]}$

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

Radiated Spurious Emission

Mode	Tx BT LE 1 M-PHY, 2480 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 31, 2025	WAC1	20 deg. C	48 % RH	Hiromasa Sato	1 GHz to 2.8 GHz
November 4, 2025	WAC1	24 deg. C	45 % RH	Takayuki Kobayashi	2.8 GHz to 18 GHz
November 5, 2025	WAC1	24 deg. C	43 % RH	Takayuki Kobayashi	18 GHz to 26.5 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.	2326.391	PK	53.46	27.43	-27.85	-	1.90	54.94	73.9	18.9	228	291	-
Hori.	2352.243	PK	57.82	27.48	-27.85	-	1.90	59.35	73.9	14.5	284	288	-
Hori.	2483.500	PK	49.41	27.65	-27.77	-	1.90	51.19	73.9	22.7	222	313	-
Hori.	2991.695	PK	50.41	28.67	-35.93	-	1.90	45.05	73.9	28.8	265	326	-
Hori.	4960.000	PK	47.58	32.16	-35.35	-	1.90	46.29	73.9	27.6	150	0	Floor Noise
Hori.	7440.000	PK	47.79	36.30	-33.29	-	1.90	52.70	73.9	21.2	150	0	Floor Noise
Hori.	9920.000	PK	45.91	37.54	-30.80	-	1.90	54.55	73.9	19.3	150	0	Floor Noise
Hori.	4960.000	AV	36.90	32.16	-35.35	-	1.90	35.61	53.9	18.2	150	0	Floor Noise
Hori.	7440.000	AV	37.00	36.30	-33.29	-	1.90	41.91	53.9	11.9	150	0	Floor Noise
Hori.	9920.000	AV	35.31	37.54	-30.80	-	1.90	43.95	53.9	9.9	150	0	Floor Noise
Vert.	2326.391	PK	52.46	27.43	-27.85	-	1.90	53.94	73.9	19.9	149	349	-
Vert.	2352.243	PK	57.56	27.48	-27.85	-	1.90	59.09	73.9	14.8	236	346	-
Vert.	2483.500	PK	48.68	27.65	-27.77	-	1.90	50.46	73.9	23.4	261	354	-
Vert.	2991.695	PK	52.01	28.67	-35.93	-	1.90	46.65	73.9	27.2	220	345	-
Vert.	4960.000	PK	47.76	32.16	-35.35	-	1.90	46.47	73.9	27.4	150	0	Floor Noise
Vert.	7440.000	PK	48.02	36.30	-33.29	-	1.90	52.93	73.9	20.9	150	0	Floor Noise
Vert.	9920.000	PK	46.76	37.54	-30.80	-	1.90	55.40	73.9	18.5	150	0	Floor Noise
Vert.	4960.000	AV	36.80	32.16	-35.35	-	1.90	35.51	53.9	18.3	150	0	Floor Noise
Vert.	7440.000	AV	37.00	36.30	-33.29	-	1.90	41.91	53.9	11.9	150	0	Floor Noise
Vert.	9920.000	AV	35.36	37.54	-30.80	-	1.90	44.00	53.9	9.9	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Attenuator 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 : $20\log(3.73\text{ [m]} / 3.0\text{ [m]}) = 1.90\text{ [dB]}$

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

Peak measurement value with Duty cycle correction factor (DCCF)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	DCCF [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2326.391	PK	53.46	27.43	-27.85	-	-15.34	1.90	39.60	53.9	*2)
Hori.	2352.243	PK	57.82	27.48	-27.85	-	-15.34	1.90	44.01	53.9	*2)
Hori.	2483.500	PK	49.41	27.65	-27.77	-	-15.34	1.90	35.85	53.9	*1)
Hori.	2991.695	PK	50.41	28.67	-35.93	-	-15.34	1.90	29.71	53.9	*2)
Vert.	2326.391	PK	52.46	27.43	-27.85	-	-15.34	1.90	38.60	53.9	*2)
Vert.	2352.243	PK	57.56	27.48	-27.85	-	-15.34	1.90	43.75	53.9	*2)
Vert.	2483.500	PK	48.68	27.65	-27.77	-	-15.34	1.90	35.12	53.9	*1)
Vert.	2991.695	PK	52.01	28.67	-35.93	-	-15.34	1.90	31.31	53.9	*2)

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73\text{ [m]} / 3.0\text{ [m]}) = 1.90\text{ [dB]}$

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

Duty cycle correction factor (DCCF) refer to "Duty cycle correction factor" sheet.

*1) Not out of band emission (Leakage Power), *2) Noise synchronized with duty of carrier frequency.

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.	2480.000	PK	97.44	27.65	-27.76	-	1.90	99.23	-	-	Carrier
Hori.	2608.075	PK	50.44	27.32	-27.63	-	1.90	52.03	79.2	27.1	-
Hori.	2633.728	PK	44.35	27.25	-27.61	-	1.90	45.89	79.2	33.3	-
Vert.	2480.000	PK	96.72	27.65	-27.76	-	1.90	98.51	-	-	Carrier
Vert.	2608.075	PK	51.04	27.32	-27.63	-	1.90	52.63	78.5	25.8	-
Vert.	2633.728	PK	44.94	27.25	-27.61	-	1.90	46.48	78.5	32.0	-

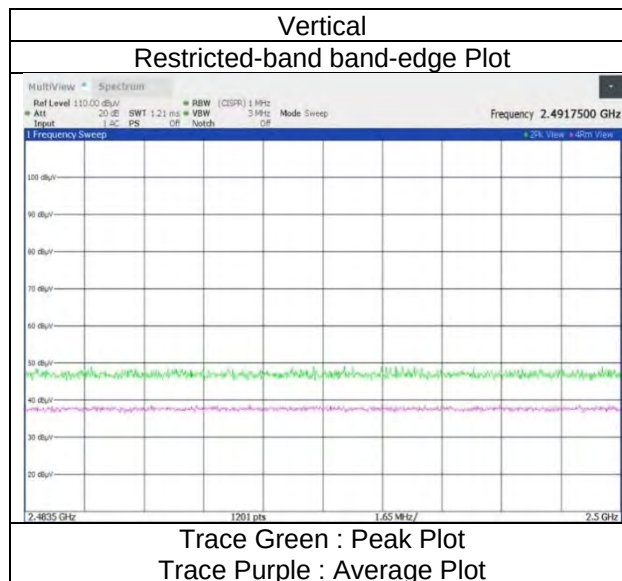
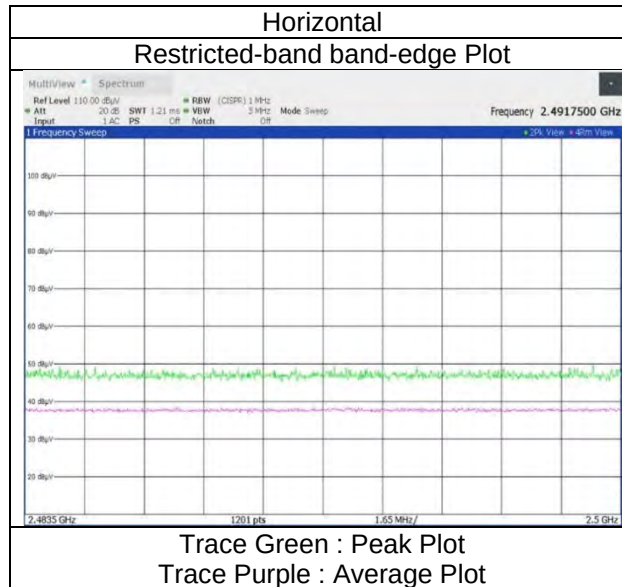
Result = Reading + Ant.Fac. + Loss (Cable + (Attenuator or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73\text{ [m]} / 3.0\text{ [m]}) = 1.90\text{ [dB]}$

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

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx BT LE 1 M-PHY, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 31, 2025	WAC1	20 deg. C	48 % RH	Hiromasa Sato	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 2 M-PHY, 2402 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 22, 2025	WAC1	20 deg. C	41 % RH	Yosuke Murakami	30 MHz to 1 GHz
October 30, 2025	WAC1	19 deg. C	47 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
November 4, 2025	WAC1	24 deg. C	45 % RH	Takayuki Kobayashi	2.8 GHz to 18 GHz
November 5, 2025	WAC1	24 deg. C	43 % RH	Takayuki Kobayashi	18 GHz to 26.5 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.	293.197	QP	37.20	13.64	7.50	33.59	0.00	24.75	46.0	21.2	100	289	-
Hori.	833.025	QP	32.70	21.08	8.81	32.19	0.00	30.40	46.0	15.6	100	19	-
Hori.	914.994	QP	30.70	22.03	8.89	31.76	0.00	29.86	46.0	16.1	100	263	-
Hori.	2248.519	PK	50.79	27.25	-27.91	-	1.90	52.03	73.9	21.8	151	45	-
Hori.	2274.195	PK	56.40	27.30	-27.89	-	1.90	57.71	73.9	16.1	219	288	-
Hori.	2390.000	PK	48.24	27.56	-27.83	-	1.90	49.87	73.9	24.0	218	307	-
Hori.	3041.713	PK	50.23	28.75	-35.90	-	1.90	44.98	73.9	28.9	257	330	-
Hori.	4804.000	PK	47.69	31.49	-35.20	-	1.90	45.88	73.9	28.0	150	0	Floor Noise
Hori.	7206.000	PK	47.97	35.86	-33.66	-	1.90	52.07	73.9	21.8	150	0	Floor Noise
Hori.	9608.000	PK	47.19	37.56	-31.07	-	1.90	55.58	73.9	18.3	150	0	Floor Noise
Hori.	4804.000	AV	35.86	31.49	-35.20	-	1.90	34.05	53.9	19.8	150	0	Floor Noise
Hori.	7206.000	AV	36.68	35.86	-33.66	-	1.90	40.78	53.9	13.1	150	0	Floor Noise
Hori.	9608.000	AV	35.65	37.56	-31.07	-	1.90	44.04	53.9	9.8	150	0	Floor Noise
Vert.	32.410	QP	32.30	13.15	6.23	33.10	0.00	18.58	40.0	21.4	100	291	-
Vert.	34.830	QP	32.60	12.57	6.27	33.17	0.00	18.27	40.0	21.7	100	264	-
Vert.	67.503	QP	35.10	9.31	6.43	33.59	0.00	17.25	40.0	22.7	100	77	-
Vert.	82.264	QP	39.70	9.01	6.81	33.63	0.00	21.89	40.0	18.1	100	274	-
Vert.	84.370	QP	38.10	9.00	6.86	33.64	0.00	20.32	40.0	19.6	100	21	-
Vert.	833.701	QP	32.60	21.10	8.81	32.19	0.00	30.32	46.0	15.6	100	286	-
Vert.	914.994	QP	25.30	22.03	8.89	31.76	0.00	24.46	46.0	21.5	100	19	-
Vert.	2248.519	PK	50.79	27.25	-27.91	-	1.90	52.03	73.9	21.8	187	346	-
Vert.	2274.195	PK	54.23	27.30	-27.89	-	1.90	55.54	73.9	18.3	184	358	-
Vert.	2390.000	PK	47.92	27.56	-27.83	-	1.90	49.55	73.9	24.3	259	343	-
Vert.	3041.713	PK	52.30	28.75	-35.90	-	1.90	47.05	73.9	26.8	214	353	-
Vert.	4804.000	PK	47.80	31.49	-35.20	-	1.90	45.99	73.9	27.9	150	0	Floor Noise
Vert.	7206.000	PK	48.21	35.86	-33.66	-	1.90	52.31	73.9	21.5	150	0	Floor Noise
Vert.	9608.000	PK	46.53	37.56	-31.07	-	1.90	54.92	73.9	18.9	150	0	Floor Noise
Vert.	4804.000	AV	35.99	31.49	-35.20	-	1.90	34.18	53.9	19.7	150	0	Floor Noise
Vert.	7206.000	AV	36.93	35.86	-33.66	-	1.90	41.03	53.9	12.8	150	0	Floor Noise
Vert.	9608.000	AV	35.67	37.56	-31.07	-	1.90	44.06	53.9	9.8	150	0	Floor Noise

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 : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

Peak measurement value with Duty cycle correction factor (DCCF)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	DCCF [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2248.519	PK	50.79	27.25	-27.91	-	-15.34	1.90	36.69	53.9	17.2	*2)
Hori.	2274.195	PK	56.40	27.30	-27.89	-	-15.34	1.90	42.37	53.9	11.5	*2)
Hori.	2390.000	PK	48.24	27.56	-27.83	-	-15.34	1.90	34.53	53.9	19.3	*1)
Hori.	3041.713	PK	50.23	28.75	-35.90	-	-15.34	1.90	29.64	53.9	24.2	*2)
Vert.	2248.519	PK	50.79	27.25	-27.91	-	-15.34	1.90	36.69	53.9	17.2	*2)
Vert.	2274.195	PK	54.23	27.30	-27.89	-	-15.34	1.90	40.20	53.9	13.7	*2)
Vert.	2390.000	PK	47.92	27.56	-27.83	-	-15.34	1.90	34.21	53.9	19.6	*1)
Vert.	3041.713	PK	52.30	28.75	-35.90	-	-15.34	1.90	31.71	53.9	22.1	*2)

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) + DCCF + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

Duty cycle correction factor (DCCF) refer to "Duty cycle correction factor" sheet.

*1) Not out of band emission (Leakage Power), *2) Noise synchronized with duty of carrier frequency.

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	98.51	27.57	-27.82	-	1.90	100.16	-	-	Carrier
Hori.	2400.000	PK	50.40	27.57	-27.82	-	1.90	52.05	80.1	28.0	-
Hori.	2530.014	PK	51.52	27.57	-27.73	-	1.90	53.26	80.1	26.8	-
Hori.	2555.655	PK	45.01	27.49	-27.70	-	1.90	46.70	80.1	33.4	-
Vert.	2402.000	PK	97.59	27.57	-27.82	-	1.90	99.24	-	-	Carrier
Vert.	2400.000	PK	49.32	27.57	-27.82	-	1.90	50.97	79.2	28.2	-
Vert.	2530.014	PK	53.08	27.57	-27.73	-	1.90	54.82	79.2	24.3	-
Vert.	2555.655	PK	44.78	27.49	-27.70	-	1.90	46.47	79.2	32.7	-

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.

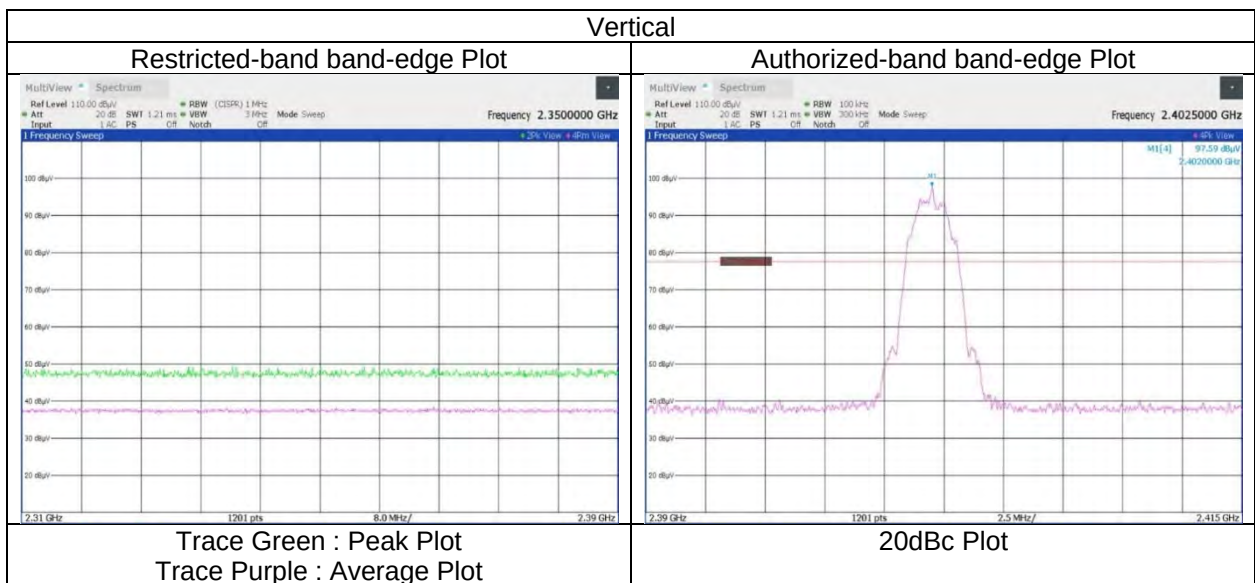
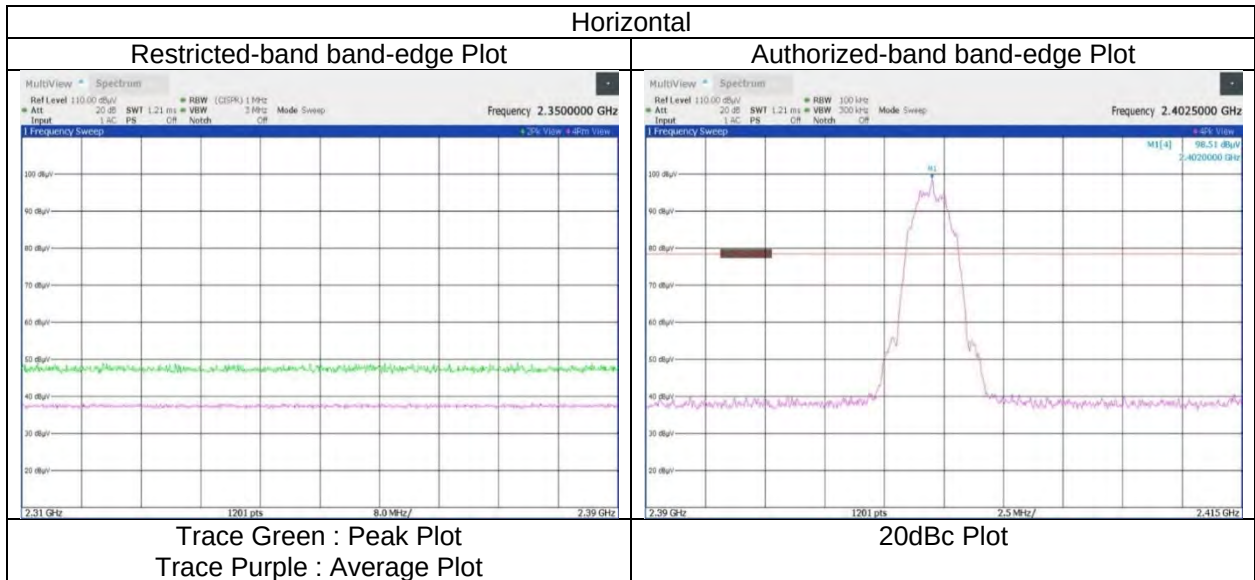
Distance Fac. : 1 GHz to 10 GHz : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

**Radiated Spurious Emission
(Reference Plot for band-edge)**

Mode	Tx BT LE 2 M-PHY, 2402 MHz				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
October 30, 2025	WAC1	19 deg. C	47 % 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 and authorized band edge were shown in tabular data.

Radiated Spurious Emission

Mode	Tx BT LE 2 M-PHY, 2440 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 3, 2025	WAC1	19 deg. C	55 % RH	Kouki Yamada	1 GHz to 2.8 GHz
November 4, 2025	WAC1	24 deg. C	45 % RH	Takayuki Kobayashi	2.8 GHz to 18 GHz
November 5, 2025	WAC1	24 deg. C	43 % RH	Takayuki Kobayashi	18 GHz to 26.5 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.	2286.244	PK	52.64	27.32	-27.88	-	1.90	53.98	73.9	19.9	294	277	-
Hori.	2311.974	PK	57.19	27.39	-27.88	-	1.90	58.60	73.9	15.3	159	295	-
Hori.	2951.668	PK	49.52	28.51	-35.82	-	1.90	44.11	73.9	29.7	253	325	-
Hori.	4880.000	PK	47.89	31.91	-35.27	-	1.90	46.43	73.9	27.4	150	0	Floor Noise
Hori.	7320.000	PK	47.99	36.24	-33.47	-	1.90	52.66	73.9	21.2	150	0	Floor Noise
Hori.	9760.000	PK	46.70	37.52	-30.95	-	1.90	55.17	73.9	18.7	150	0	Floor Noise
Hori.	4880.000	AV	37.07	31.91	-35.27	-	1.90	35.61	53.9	18.2	150	0	Floor Noise
Hori.	7320.000	AV	37.27	36.24	-33.47	-	1.90	41.94	53.9	11.9	150	0	Floor Noise
Hori.	9760.000	AV	35.79	37.52	-30.95	-	1.90	44.26	53.9	9.6	150	0	Floor Noise
Vert.	2286.554	PK	51.93	27.32	-27.88	-	1.90	53.27	73.9	20.6	147	339	-
Vert.	2311.987	PK	55.96	27.39	-27.88	-	1.90	57.37	73.9	16.5	146	335	-
Vert.	2951.668	PK	50.41	28.51	-35.82	-	1.90	45.00	73.9	28.9	260	352	-
Vert.	4880.000	PK	47.84	31.91	-35.27	-	1.90	46.38	73.9	27.5	150	0	Floor Noise
Vert.	7320.000	PK	47.58	36.24	-33.47	-	1.90	52.25	73.9	21.6	150	0	Floor Noise
Vert.	9760.000	PK	46.53	37.52	-30.95	-	1.90	55.00	73.9	18.9	150	0	Floor Noise
Vert.	4880.000	AV	36.90	31.91	-35.27	-	1.90	35.44	53.9	18.4	150	0	Floor Noise
Vert.	7320.000	AV	37.06	36.24	-33.47	-	1.90	41.73	53.9	12.1	150	0	Floor Noise
Vert.	9760.000	AV	35.71	37.52	-30.95	-	1.90	44.18	53.9	9.7	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 : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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

Peak measurement value with Duty cycle correction factor (DCCF)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	DCCF [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2286.244	PK	52.64	27.32	-27.88	-	-15.34	1.90	38.64	53.9	15.2 *2)	-
Hori.	2311.974	PK	57.19	27.39	-27.88	-	-15.34	1.90	43.26	53.9	10.6 *2)	-
Hori.	2951.668	PK	49.52	28.51	-35.82	-	-15.34	1.90	28.77	53.9	25.1 *2)	-
Vert.	2286.554	PK	51.93	27.32	-27.88	-	-15.34	1.90	37.93	53.9	15.9 *2)	-
Vert.	2311.987	PK	55.96	27.39	-27.88	-	-15.34	1.90	42.03	53.9	11.8 *2)	-
Vert.	2951.668	PK	50.41	28.51	-35.82	-	-15.34	1.90	29.66	53.9	24.2 *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) + DCCF + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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

Duty cycle correction factor (DCCF) refer to "Duty cycle correction factor" sheet.

*2) Noise synchronized with duty of carrier frequency.

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.	2440.000	PK	97.31	27.65	-27.78	-	1.90	99.08	-	-	Carrier
Hori.	2567.925	PK	52.68	27.46	-27.68	-	1.90	54.36	79.0	24.6	-
Hori.	2593.535	PK	47.13	27.37	-27.64	-	1.90	48.76	79.0	30.2	-
Vert.	2440.000	PK	97.04	27.65	-27.78	-	1.90	98.81	-	-	Carrier
Vert.	2568.034	PK	51.95	27.46	-27.68	-	1.90	53.63	78.8	25.1	-
Vert.	2593.666	PK	45.60	27.37	-27.64	-	1.90	47.23	78.8	31.5	-

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 : $20\log(3.73 [m] / 3.0 [m]) = 1.90 [dB]$

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

Radiated Spurious Emission

Mode	Tx BT LE 2 M-PHY, 2480 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 3, 2025	WAC1	19 deg. C	55 % RH	Kouki Yamada	1 GHz to 2.8 GHz
November 4, 2025	WAC1	24 deg. C	45 % RH	Takayuki Kobayashi	2.8 GHz to 18 GHz
November 5, 2025	WAC1	24 deg. C	43 % RH	Takayuki Kobayashi	18 GHz to 26.5 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.	2326.594	PK	53.18	27.43	-27.85	-	1.90	54.66	73.9	19.2	320	279	-
Hori.	2351.795	PK	58.94	27.48	-27.85	-	1.90	60.47	73.9	13.4	205	289	-
Hori.	2483.500	PK	50.06	27.65	-27.77	-	1.90	51.84	73.9	22.0	207	50	-
Hori.	2991.695	PK	51.17	28.67	-35.93	-	1.90	45.81	73.9	28.0	386	322	-
Hori.	4960.000	PK	47.25	32.16	-35.35	-	1.90	45.96	73.9	27.9	150	0	Floor Noise
Hori.	7440.000	PK	47.16	36.30	-33.29	-	1.90	52.07	73.9	21.8	150	0	Floor Noise
Hori.	9920.000	PK	46.62	37.54	-30.80	-	1.90	55.26	73.9	18.6	150	0	Floor Noise
Hori.	4960.000	AV	36.91	32.16	-35.35	-	1.90	35.62	53.9	18.2	150	0	Floor Noise
Hori.	7440.000	AV	37.11	36.30	-33.29	-	1.90	42.02	53.9	11.8	150	0	Floor Noise
Hori.	9920.000	AV	35.32	37.54	-30.80	-	1.90	43.96	53.9	9.9	150	0	Floor Noise
Vert.	2326.293	PK	52.25	27.43	-27.86	-	1.90	53.72	73.9	20.1	189	351	-
Vert.	2352.027	PK	57.31	27.48	-27.85	-	1.90	58.84	73.9	15.0	236	342	-
Vert.	2483.500	PK	49.05	27.65	-27.77	-	1.90	50.83	73.9	23.0	213	337	-
Vert.	2991.695	PK	52.33	28.67	-35.93	-	1.90	46.97	73.9	26.9	220	347	-
Vert.	4960.000	PK	47.62	32.16	-35.35	-	1.90	46.33	73.9	27.5	150	0	Floor Noise
Vert.	7440.000	PK	47.96	36.30	-33.29	-	1.90	52.87	73.9	21.0	150	0	Floor Noise
Vert.	9920.000	PK	46.11	37.54	-30.80	-	1.90	54.75	73.9	19.1	150	0	Floor Noise
Vert.	4960.000	AV	37.09	32.16	-35.35	-	1.90	35.80	53.9	18.1	150	0	Floor Noise
Vert.	7440.000	AV	37.29	36.30	-33.29	-	1.90	42.20	53.9	11.7	150	0	Floor Noise
Vert.	9920.000	AV	35.32	37.54	-30.80	-	1.90	43.96	53.9	9.9	150	0	Floor Noise

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 : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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

Peak measurement value with Duty cycle correction factor (DCCF)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	DCCF [dB]	Result Fac. [dB]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2326.594	PK	53.18	27.43	-27.85	-	-15.34	1.90	39.32	53.9	*2)
Hori.	2351.795	PK	58.94	27.48	-27.85	-	-15.34	1.90	45.13	53.9	*2)
Hori.	2483.500	PK	50.06	27.65	-27.77	-	-15.34	1.90	36.50	53.9	*1)
Hori.	2991.695	PK	51.17	28.67	-35.93	-	-15.34	1.90	30.47	53.9	*2)
Vert.	2326.293	PK	52.25	27.43	-27.86	-	-15.34	1.90	38.38	53.9	*2)
Vert.	2352.027	PK	57.31	27.48	-27.85	-	-15.34	1.90	43.50	53.9	*2)
Vert.	2483.500	PK	49.05	27.65	-27.77	-	-15.34	1.90	35.49	53.9	*1)
Vert.	2991.695	PK	52.33	28.67	-35.93	-	-15.34	1.90	31.63	53.9	*2)

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) + DCCF + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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

Duty cycle correction factor (DCCF) refer to "Duty cycle correction factor" sheet.

*1) Not out of band emission (Leakage Power), *2) Noise synchronized with duty of carrier frequency.

20 dBc Data Sheet

(RBW 100 kHz, VEW 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.	2480.000	PK	97.41	27.65	-27.76	-	1.90	99.20	-	-	Carrier
Hori.	2608.082	PK	48.55	27.32	-27.63	-	1.90	50.14	79.2	29.0	-
Hori.	2633.726	PK	42.89	27.25	-27.61	-	1.90	44.43	79.2	34.7	-
Vert.	2480.000	PK	96.58	27.65	-27.76	-	1.90	98.37	-	-	Carrier
Vert.	2607.888	PK	50.69	27.32	-27.63	-	1.90	52.28	78.3	26.0	-
Vert.	2633.501	PK	44.72	27.25	-27.61	-	1.90	46.26	78.3	32.0	-

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.

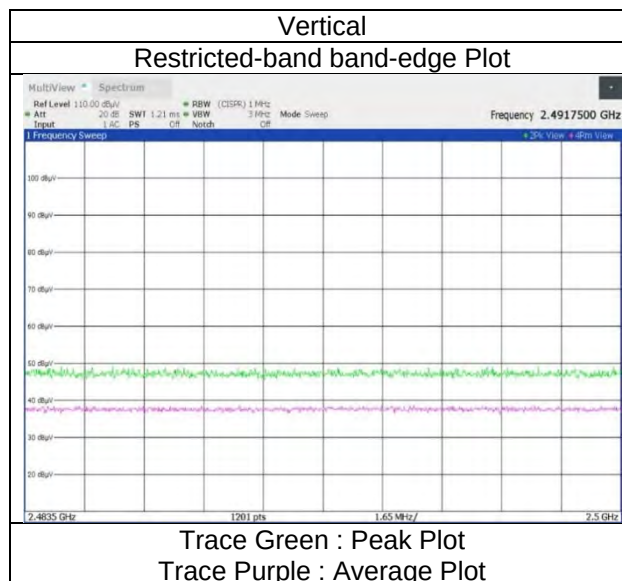
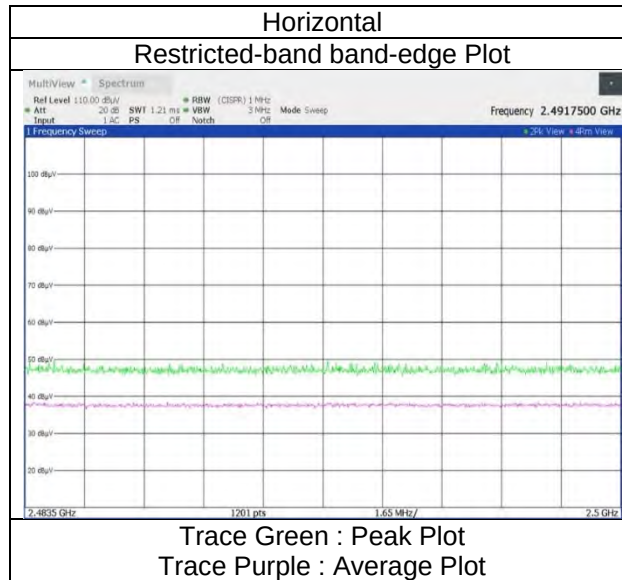
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90 [dB]$

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 2 M-PHY, 2480 MHz				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 3, 2025	WAC1	19 deg. C	55 % RH	Kouki Yamada	1 GHz to 2.8 GHz

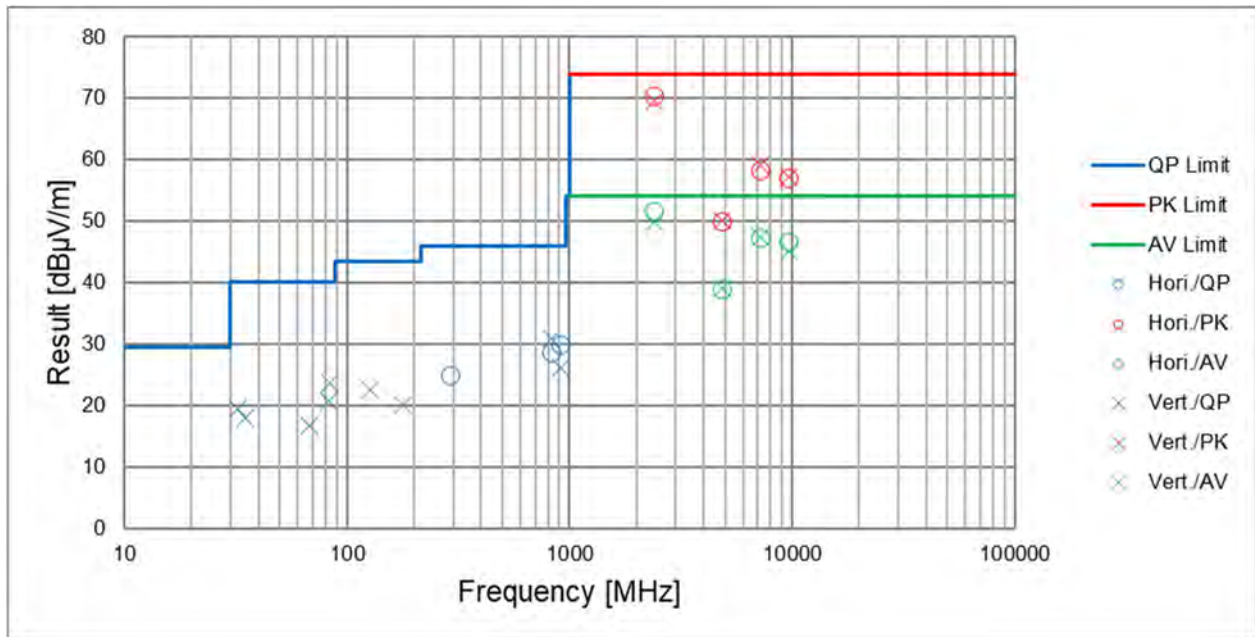


* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.

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

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

Mode	Tx 11g 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 25, 2025	SAC3	24 deg. C	45 % RH	Yuta Shiba	1 GHz to 10 GHz
September 26, 2025	SAC3	23 deg. C	54 % RH	Yasumasa Owakai	Above 10 GHz
November 22, 2025	WAC1	20 deg. C	41 % RH	Yosuke Murakami	Below 1GHz

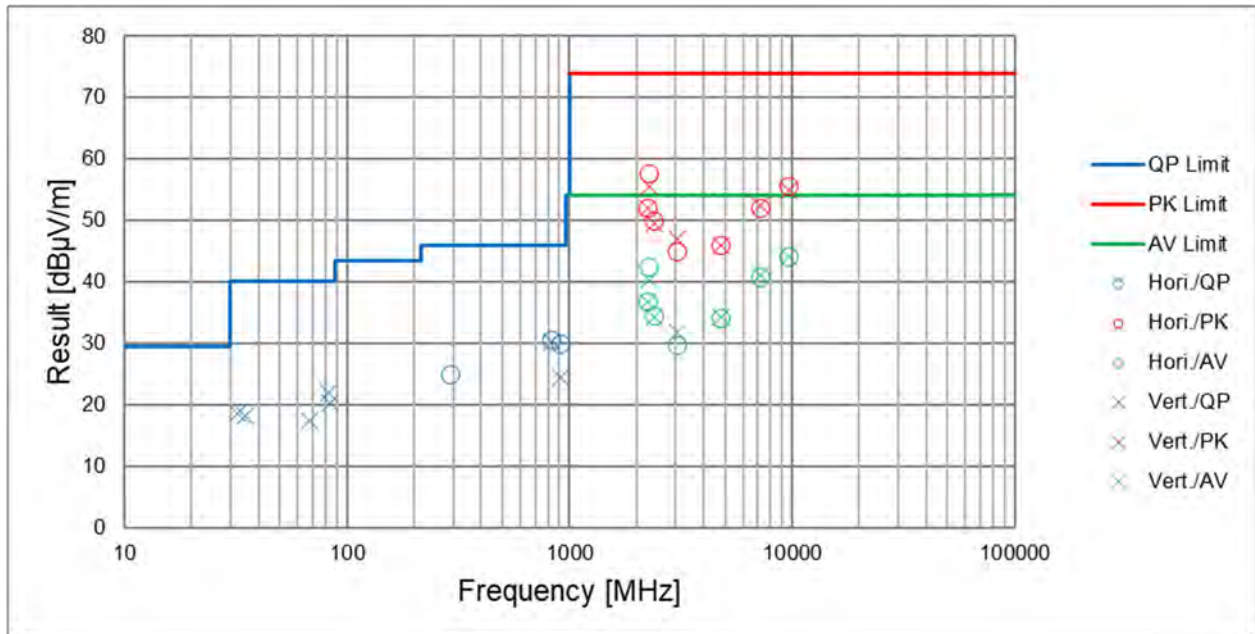


*These plots data contains sufficient number to show the trend of characteristic features for EUT.

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

Mode	Tx BT LE 2 M-PHY, 2402 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 22, 2025	WAC1	20 deg. C	41 % RH	Yosuke Murakami	30 MHz to 1 GHz
October 30, 2025	WAC1	19 deg. C	47 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz
November 4, 2025	WAC1	24 deg. C	45 % RH	Takayuki Kobayashi	2.8 GHz to 18 GHz
November 5, 2025	WAC1	24 deg. C	43 % RH	Takayuki Kobayashi	18 GHz to 26.5 GHz



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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDM), SISO 2462 MHz with BT 3DH5 Hopping and 11n-40 5190 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 22, 2025	WAC1	20 deg. C	41 % RH	Yosuke Murakami	Below 1 GHz
November 17, 2025	WAC1	23 deg. C	44 % RH	Yusuke Tanikawara	1 GHz to 2.8 GHz
November 13, 2025	WAC1	20 deg. C	46 % RH	Takayuki Kobayashi	2.8 GHz to 10 GHz
November 13, 2025	WAC1	19 deg. C	43 % RH	Yuta Shiba	10 GHz to 26.5 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.	299.505	QP	42.20	13.69	7.52	33.59	0.00	29.82	46.0	16.1	100	293	-
Hori.	835.001	QP	31.00	21.14	8.81	32.18	0.00	28.77	46.0	17.2	100	134	-
Hori.	914.992	QP	30.40	22.03	8.89	31.76	0.00	29.56	46.0	16.4	100	259	-
Hori.	2483.500	PK	65.88	27.65	-27.77	-	1.90	67.66	73.9	6.2	323	267	-
Hori.	2617.934	PK	51.53	27.29	-27.63	-	1.90	53.09	73.9	20.8	257	114	-
Hori.	2728.633	PK	58.22	27.12	-27.51	-	1.90	59.73	73.9	14.1	140	268	-
Hori.	2880.029	PK	49.69	28.03	-35.66	-	1.90	43.96	73.9	29.9	146	76	-
Hori.	3282.666	PK	47.27	28.05	-35.63	-	1.90	41.59	73.9	32.3	150	0	Floor Noise
Hori.	4924.000	PK	47.56	32.08	-35.32	-	1.90	46.22	73.9	27.6	150	0	Floor Noise
Hori.	7386.000	PK	49.28	36.32	-33.40	-	1.90	54.10	73.9	19.8	152	37	-
Hori.	9848.000	PK	46.82	37.54	-31.31	-	1.90	54.95	73.9	18.9	150	0	Floor Noise
Hori.	2483.500	AV	50.51	27.65	-27.77	-	1.90	52.29	53.9	1.6	323	267	-
Hori.	2617.934	AV	40.73	27.29	-27.63	-	1.90	42.29	53.9	11.6	257	114	-
Hori.	2728.633	AV	47.69	27.12	-27.51	-	1.90	49.20	53.9	4.7	140	268	-
Hori.	2880.029	AV	40.18	28.03	-35.66	-	1.90	34.45	53.9	19.4	146	76	-
Hori.	3282.666	AV	36.02	28.05	-35.63	-	1.90	30.34	53.9	23.5	150	0	Floor Noise
Hori.	4924.000	AV	36.07	32.08	-35.32	-	1.90	34.73	53.9	19.1	150	0	Floor Noise
Hori.	7386.000	AV	36.88	36.32	-33.40	-	1.90	41.70	53.9	12.2	152	37	-
Hori.	9848.000	AV	35.80	37.54	-31.31	-	1.90	43.93	53.9	9.9	150	0	Floor Noise
Vert.	32.426	QP	32.20	13.14	6.23	33.10	0.00	18.47	40.0	21.5	100	290	-
Vert.	34.813	QP	32.80	12.57	6.27	33.17	0.00	18.47	40.0	21.5	100	278	-
Vert.	82.256	QP	36.00	9.01	6.81	33.63	0.00	18.19	40.0	21.8	100	298	-
Vert.	84.368	QP	37.90	9.00	6.86	33.64	0.00	20.12	40.0	19.8	100	52	-
Vert.	191.933	QP	28.00	13.98	7.18	33.66	0.00	15.50	43.5	28.0	100	221	-
Vert.	194.017	QP	31.80	14.13	7.16	33.65	0.00	19.44	43.5	24.0	100	348	-
Vert.	293.148	QP	35.50	13.64	7.50	33.59	0.00	23.05	46.0	22.9	100	251	-
Vert.	834.252	QP	33.30	21.12	8.81	32.19	0.00	31.04	46.0	14.9	100	290	-
Vert.	914.992	QP	26.60	22.03	8.89	31.76	0.00	25.76	46.0	20.2	114	216	-
Vert.	2483.500	PK	66.59	27.65	-27.77	-	1.90	68.37	73.9	5.5	151	211	-
Vert.	2616.620	PK	52.78	27.29	-27.63	-	1.90	54.34	73.9	19.5	143	206	-
Vert.	2728.155	PK	56.86	27.12	-27.51	-	1.90	58.37	73.9	15.5	110	211	-
Vert.	3282.666	PK	47.49	28.05	-35.63	-	1.90	41.81	73.9	32.0	150	0	Floor Noise
Vert.	4924.000	PK	47.41	32.08	-35.32	-	1.90	46.07	73.9	27.8	150	0	Floor Noise
Vert.	7386.000	PK	50.40	36.32	-33.40	-	1.90	55.22	73.9	18.6	167	121	-
Vert.	9848.000	PK	46.43	37.54	-31.31	-	1.90	54.56	73.9	19.3	150	0	Floor Noise
Vert.	2483.500	AV	50.95	27.65	-27.77	-	1.90	52.73	53.9	1.1	151	211	-
Vert.	2616.620	AV	42.18	27.29	-27.63	-	1.90	43.74	53.9	10.1	143	206	-
Vert.	2728.155	AV	45.59	27.12	-27.51	-	1.90	47.10	53.9	6.8	110	211	-
Vert.	3282.666	AV	35.93	28.05	-35.63	-	1.90	30.25	53.9	23.6	150	0	Floor Noise
Vert.	4924.000	AV	36.03	32.08	-35.32	-	1.90	34.69	53.9	19.2	150	0	Floor Noise
Vert.	7386.000	AV	37.52	36.32	-33.40	-	1.90	42.34	53.9	11.5	167	121	-
Vert.	9848.000	AV	35.48	37.54	-31.31	-	1.90	43.61	53.9	10.2	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).

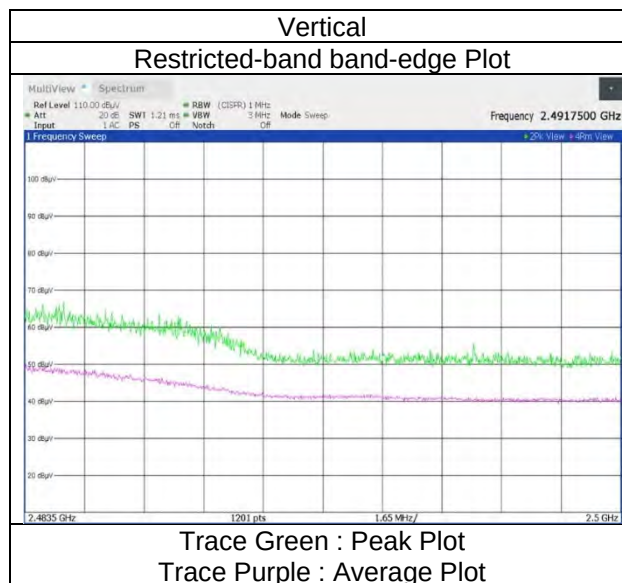
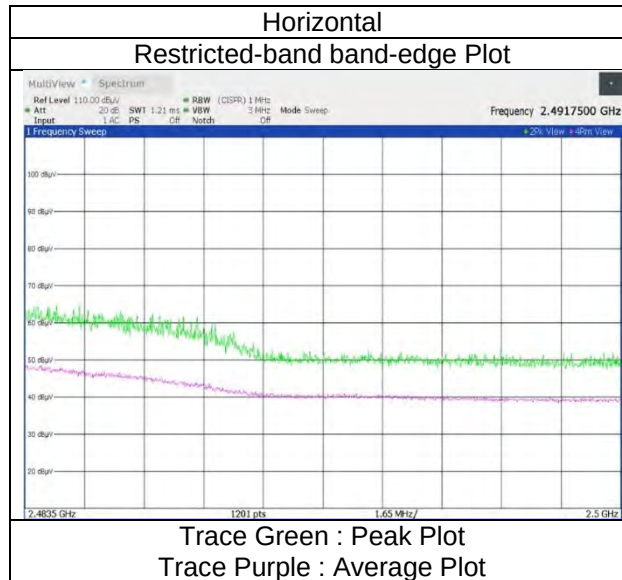
Distance Fac. : 1 GHz to 10 GHz : $20\log(3.73[m]/3.0[m]) = 1.90[dB]$

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 11ax-20(OFDM), SISO 2462 MHz with BT 3DH5 Hopping and 11n-40 5190 MHz				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 17, 2025	WAC1	23 deg. C	44 % RH	Yusuke Tanikawara	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 2 M-PHY 2480 MHz with 11g 2412 MHz and 11n-40 5190 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 22, 2025	WAC1	20 deg. C	41 % RH	Yosuke Murakami	Below 1 GHz
November 17, 2025	WAC1	23 deg. C	44 % RH	Yusuke Tanikawara	1 GHz to 2.8 GHz
November 13, 2025	WAC1	20 deg. C	46 % RH	Takayuki Kobayashi	2.8 GHz to 10 GHz
November 12, 2025	WAC1	20 deg. C	46 % RH	Takayuki Kobayashi	10 GHz to 18 GHz
November 13, 2025	WAC1	19 deg. C	43 % RH	Yuta Shiba	18 GHz to 26.5 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.	194.012	QP	31.60	14.13	7.16	33.65	0.00	19.24	43.5	24.2	168	263	-
Hori.	299.497	QP	43.50	13.69	7.52	33.59	0.00	31.12	46.0	14.8	130	293	-
Hori.	832.792	QP	31.50	21.07	8.81	32.19	0.00	29.19	46.0	16.8	100	290	-
Hori.	914.995	QP	29.70	22.03	8.89	31.76	0.00	28.86	46.0	17.1	100	263	-
Hori.	2326.402	PK	55.54	27.43	-27.85	-	1.90	57.02	73.9	16.8	190	301	-
Hori.	2352.002	PK	61.57	27.48	-27.85	-	1.90	63.10	73.9	10.8	184	299	-
Hori.	2451.664	PK	52.13	27.65	-27.78	-	1.90	53.90	73.9	20.0	175	264	-
Hori.	2483.500	PK	51.98	27.65	-27.77	-	1.90	53.76	73.9	20.1	195	293	-
Hori.	2498.015	PK	52.32	27.63	-27.76	-	1.90	54.09	73.9	19.8	195	293	-
Hori.	4960.000	PK	47.95	32.16	-35.35	-	1.90	46.66	73.9	27.2	150	0	Floor Noise
Hori.	7440.000	PK	48.29	36.30	-33.31	-	1.90	53.18	73.9	20.7	150	0	Floor Noise
Hori.	9920.000	PK	46.67	37.54	-31.26	-	1.90	54.85	73.9	19.0	150	0	Floor Noise
Hori.	4960.000	AV	36.16	32.16	-35.35	-	1.90	34.87	53.9	19.0	150	0	Floor Noise
Hori.	7440.000	AV	36.34	36.30	-33.31	-	1.90	41.23	53.9	12.6	150	0	Floor Noise
Hori.	9920.000	AV	35.43	37.54	-31.26	-	1.90	43.61	53.9	10.2	150	0	Floor Noise
Vert.	32.424	QP	32.30	13.14	6.23	33.10	0.00	18.57	40.0	21.4	100	282	-
Vert.	34.707	QP	32.00	12.60	6.27	33.17	0.00	17.70	40.0	22.3	100	250	-
Vert.	82.249	QP	35.20	9.02	6.81	33.63	0.00	17.40	40.0	22.6	100	290	-
Vert.	84.352	QP	36.70	9.00	6.86	33.64	0.00	18.92	40.0	21.0	100	36	-
Vert.	293.110	QP	36.00	13.64	7.50	33.59	0.00	23.55	46.0	22.4	100	195	-
Vert.	834.369	QP	33.20	21.12	8.81	32.19	0.00	30.94	46.0	15.0	100	281	-
Vert.	914.995	QP	25.40	22.03	8.89	31.76	0.00	24.56	46.0	21.4	100	316	-
Vert.	2326.366	PK	53.72	27.43	-27.86	-	1.90	55.19	73.9	18.7	229	348	-
Vert.	2351.960	PK	60.08	27.48	-27.85	-	1.90	61.61	73.9	12.2	201	337	-
Vert.	2483.500	PK	52.29	27.65	-27.77	-	1.90	54.07	73.9	19.8	215	9	-
Vert.	2499.705	PK	53.54	27.63	-27.76	-	1.90	55.31	73.9	18.5	215	9	-
Vert.	2991.715	PK	50.98	28.67	-35.93	-	1.90	45.62	73.9	28.2	168	343	-
Vert.	4960.000	PK	47.15	32.16	-35.35	-	1.90	45.86	73.9	28.0	150	0	Floor Noise
Vert.	7440.000	PK	47.67	36.30	-33.31	-	1.90	52.56	73.9	21.3	150	0	Floor Noise
Vert.	9920.000	PK	46.73	37.54	-31.26	-	1.90	54.91	73.9	18.9	150	0	Floor Noise
Vert.	4960.000	AV	36.14	32.16	-35.35	-	1.90	34.85	53.9	19.0	150	0	Floor Noise
Vert.	7440.000	AV	36.17	36.30	-33.31	-	1.90	41.06	53.9	12.8	150	0	Floor Noise
Vert.	9920.000	AV	35.37	37.54	-31.26	-	1.90	43.55	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 : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

Peak measurement value with Duty cycle correction factor (DCCF)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	DCCF [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2326.402	PK	55.54	27.43	-27.85	-	-15.34	1.90	41.68	53.9	12.2 *2)	
Hori.	2352.002	PK	61.57	27.48	-27.85	-	-15.34	1.90	47.76	53.9	6.1 *2)	
Hori.	2451.664	PK	52.13	27.65	-27.78	-	-15.34	1.90	38.56	53.9	15.3 *2)	
Hori.	2483.500	PK	51.98	27.65	-27.77	-	-15.34	1.90	38.42	53.9	15.4 *1)	
Hori.	2498.015	PK	52.32	27.63	-27.76	-	-15.34	1.90	38.75	53.9	15.1 *2)	
Vert.	2326.366	PK	53.72	27.43	-27.86	-	-15.34	1.90	39.85	53.9	14.0 *2)	
Vert.	2351.960	PK	60.08	27.48	-27.85	-	-15.34	1.90	46.27	53.9	7.6 *2)	
Vert.	2483.500	PK	52.29	27.65	-27.77	-	-15.34	1.90	38.73	53.9	15.1 *1)	
Vert.	2499.705	PK	53.54	27.63	-27.76	-	-15.34	1.90	39.97	53.9	13.9 *2)	
Vert.	2991.715	PK	50.98	28.67	-35.93	-	-15.34	1.90	30.28	53.9	23.6 *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) + DCCF + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

Duty cycle correction factor (DCCF) refer to "Duty cycle correction factor" sheet.

*1) Not out of band emission (Leakage Power), *2) Noise synchronized with duty of carrier frequency.

20 dBc Data Sheet

(RBW 100 kHz, VSW 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.	2480.000	PK	96.97	27.65	-27.76	-	1.90	98.76	-	-	Carrier
Hori.	2607.899	PK	50.17	27.32	-27.63	-	1.90	51.76	78.7	26.9	-
Hori.	2633.525	PK	48.02	27.25	-27.61	-	1.90	49.56	78.7	29.1	-
Vert.	2480.000	PK	96.53	27.65	-27.76	-	1.90	98.32	-	-	Carrier
Vert.	2608.106	PK	51.22	27.32	-27.63	-	1.90	52.81	78.3	25.4	-
Vert.	2633.605	PK	48.90	27.25	-27.61	-	1.90	50.44	78.3	27.8	-

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) + Distance Fac.

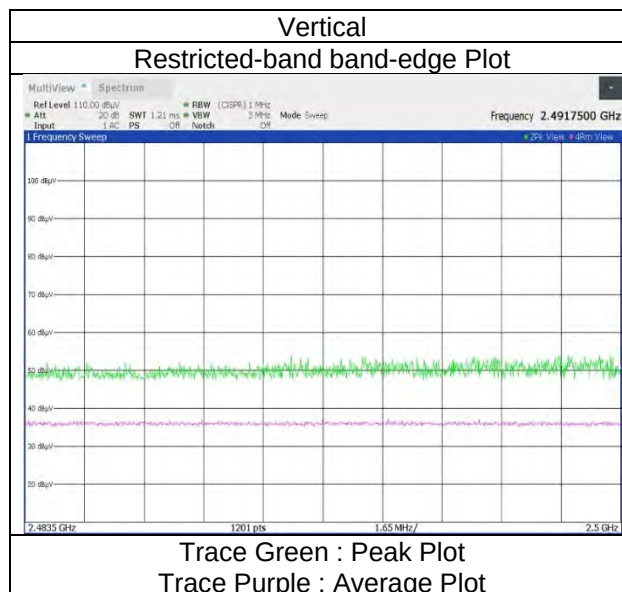
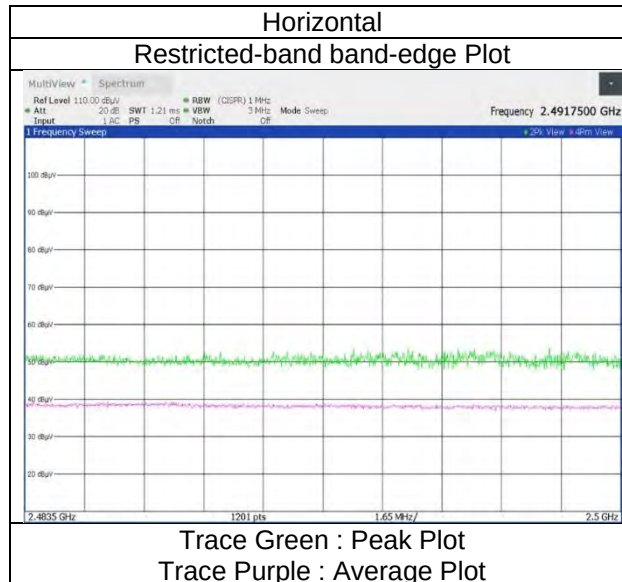
Distance Fac. : 1 GHz to 10 GHz : 20log (3.73 [m] / 3.0 [m]) = 1.90 [dB]

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

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx BT LE 2 M-PHY 2480 MHz with 11g 2412 MHz and 11n-40 5190 MHz				
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
November 17, 2025	WAC1	23 deg. C	44 % RH	Yusuke Tanikawara	1 GHz to 2.8 GHz



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

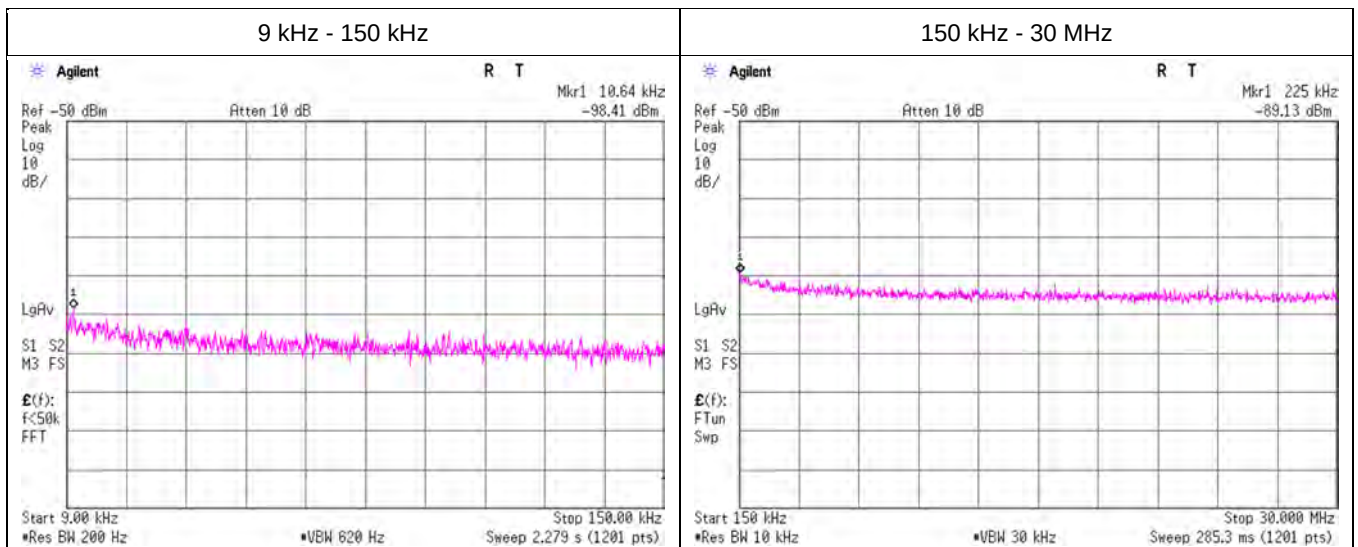
Final result of restricted band edge was shown in tabular data.

Conducted Spurious Emission

Mode	Tx 11g		
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Date	Test Place	Temperature	Humidity	Engineer
September 18, 2025	SR5	24 deg.C	52 %RH	Toshinori Yamada

11g, 2412 MHz



Freq. [kHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	N (Number of Output)	EIRP [dBm]	Distance [m]	Ground bounce [dB]	E (field strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
10.640	-98.41	0.01	9.91	2.50	2.00	-83.0	300	6.0	-21.7	47.0	68.7	-
225.000	-89.13	0.01	9.91	2.50	2.00	-73.7	300	6.0	-12.4	20.5	32.9	-

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

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

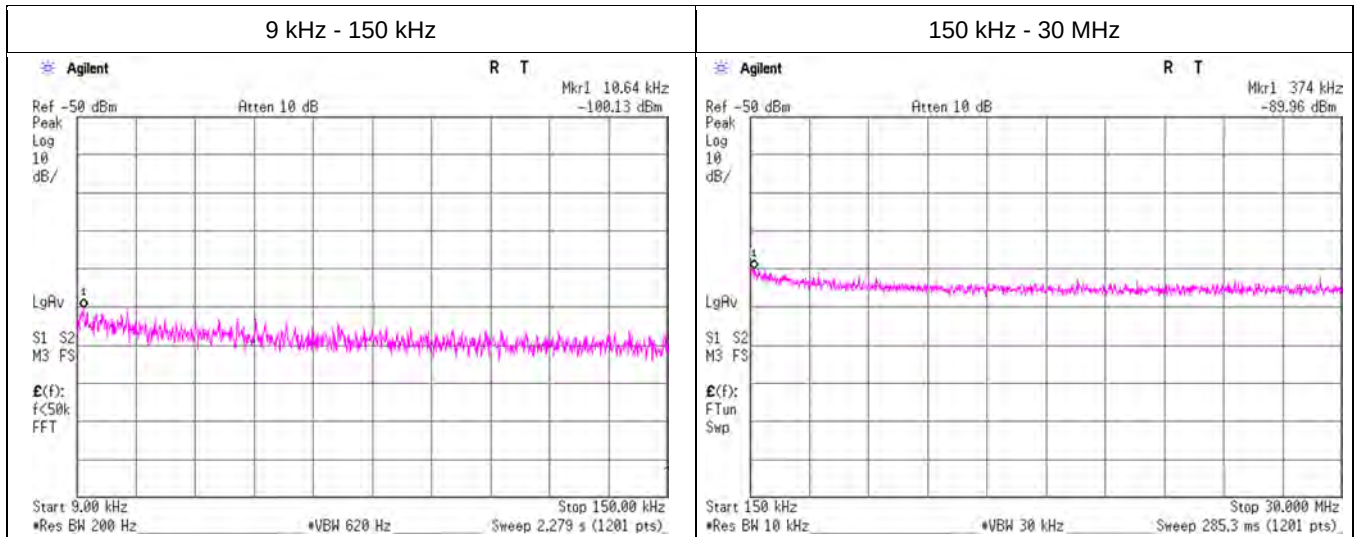
N: Number of output

Conducted Spurious Emission

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

Date	Test Place	Temperature	Humidity	Engineer
November 04, 2025	MR2	21 deg.C	34 %RH	Yuta Shiba

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
[MHz]	[dBm]	[dB]	[dB]	[dBi]		[dBm]	[m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
10.640	-100.13	0.08	9.91	3.50	1.00	-86.6	300	6.0	-25.4	47.0	72.4	-
374.000	-89.96	0.54	9.94	3.50	1.00	-76.0	300	6.0	-14.7	16.1	30.8	-

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

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

N: Number of output

Power Density

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

Date	Test Place	Temperature	Humidity	Engineer
October 19, 2025	SR5	25 deg.C	55 %RH	Yohsuke Matsuzawa

11b

Antenna Port: Chain2

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	-20.48	2.84	9.98	-7.67	8.00	15.67
2437	-19.68	2.81	9.98	-6.90	8.00	14.90
2462	-20.10	2.78	9.98	-7.35	8.00	15.35

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

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

Date	Test Place	Temperature	Humidity	Engineer
October 19, 2025	SR5	25 deg.C	55 %RH	Yohsuke Matsuzawa

11g

Antenna Port: Chain2

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	-23.81	2.84	9.98	-10.99	8.00	18.99
2437	-23.92	2.81	9.98	-11.13	8.00	19.13
2462	-24.22	2.78	9.98	-11.47	8.00	19.47

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx 11n-20, SISO
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Date	Test Place	Temperature	Humidity	Engineer
October 19, 2025	SR5	25 deg.C	55 %RH	Yohsuke Matsuzawa

11n-20, SISO

Antenna Port: Chain2

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	-22.24	2.84	9.98	-9.42	8.00	17.42
2437	-22.57	2.81	9.98	-9.78	8.00	17.78
2462	-23.08	2.78	9.98	-10.32	8.00	18.32

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx 11n-20, MIMO
------	-----------------

Date	Test Place	Temperature	Humidity	Engineer
October 19, 2025	SR5	25 deg.C	55 %RH	Yohsuke Matsuzawa

11n-20, MIMO

Chain1 + Chain2

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain1		Result [dBm / 3 kHz]	[mW / 3 kHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain2		Result [dBm / 3 kHz]	[mW / 3 kHz]	Total Result Power		Limit [dBm / 3 kHz]	Margin [dB]
			Atten. [dB]	Loss [dB]					Atten. [dB]	Loss [dB]			[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-26.08	2.86	10.05		-13.17	0.05	-24.79	2.84	9.98		-11.97	0.06	-9.53	0.11	8.00	17.53
2437	-26.54	2.83	10.05		-13.66	0.04	-25.53	2.81	9.98		-12.74	0.05	-10.17	0.10	8.00	18.17
2462	-26.94	2.80	10.05		-14.10	0.04	-25.49	2.78	9.98		-12.73	0.05	-10.36	0.09	8.00	18.36

Sample Calculation:

PSD: Power Spectral Density

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

Total Result = Chain1 Result + Chain2 Result

Power Density

Mode	Tx 11ax-20(OFDM), SISO
------	------------------------

Date	Test Place	Temperature	Humidity	Engineer
October 19, 2025	SR5	25 deg.C	55 %RH	Yohsuke Matsuzawa

11ax-20(OFDM), SISO

Antenna Port: Chain2

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	-24.95	2.84	9.98	-12.14	8.00	20.14
2437	-25.48	2.81	9.98	-12.70	8.00	20.70
2462	-25.00	2.78	9.98	-12.25	8.00	20.25

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx 11ax-20(OFDM), MIMO
------	------------------------

Date	Test Place	Temperature	Humidity	Engineer
October 19, 2025	SR5	25 deg.C	55 %RH	Yohsuke Matsuzawa

11ax-20(OFDM), MIMO

Chain1 + Chain2

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain1		Result	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain2		Result	Total Result Power		Limit	Margin
			Atten. Loss [dB]					Atten. Loss [dB]			[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-28.87	2.86	10.05		-15.96 0.03	-28.05	2.84	9.98		-15.23 0.03	-12.57	0.06	8.00	20.57
2437	-29.65	2.83	10.05		-16.78 0.02	-28.59	2.81	9.98		-15.80 0.03	-13.26	0.05	8.00	21.26
2462	-28.86	2.80	10.05		-16.02 0.03	-28.84	2.78	9.98		-16.09 0.02	-13.05	0.05	8.00	21.05

Sample Calculation:

PSD: Power Spectral Density

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

Total Result = Chain1 Result + Chain2 Result

Power Density

Mode	Tx 11ax-20(OFDMA), 26-tone RU, SISO
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Date	Test Place	Temperature	Humidity	Engineer
October 20, 2025	SR5	25 deg.C	53 %RH	Yohsuke Matsuzawa

11ax-20(OFDMA), 26-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	0	-25.72	2.84	9.98	-12.91	8.00	20.91
2437	4	-26.53	2.81	9.98	-13.75	8.00	21.75
2462	8	-25.51	2.78	9.98	-12.76	8.00	20.76

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx 11ax-20(OFDMA), 26-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
October 20, 2025	SR5	25 deg.C	53 %RH	Yohsuke Matsuzawa

11ax-20(OFDMA), 26-tone RU, MIMO

Chain1 + Chain2

Tested Freq.	RU Index	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain1		Result	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain2		Result	Total Result Power		Limit	Margin
				Atten. Loss [dB]					Atten. Loss [dB]			[dBm / 3 kHz]	[mW / 3 kHz]		
2412	0	-30.13	2.86	10.05		-17.22 0.02	-28.47	2.84	9.98		-15.65 0.03	-13.36	0.05	8.00	21.36
2437	4	-30.36	2.83	10.05		-17.48 0.02	-29.59	2.81	9.98		-16.80 0.02	-14.12	0.04	8.00	22.12
2462	8	-30.54	2.80	10.05		-17.69 0.02	-28.94	2.78	9.98		-16.18 0.02	-13.87	0.04	8.00	21.87

Sample Calculation:

PSD: Power Spectral Density

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

Total Result = Chain1 Result + Chain2 Result

Power Density

Mode	Tx 11ax-20(OFDMA), 52-tone RU, SISO
------	-------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
November 06, 2025	MR2	24 deg.C	34 %RH	Yuta Shiba

11ax-20(OFDMA), 52-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	37	-24.97	2.84	9.98	-12.15	8.00	20.15
2437	38	-25.64	2.81	9.98	-12.86	8.00	20.86
2462	40	-25.18	2.78	9.98	-12.43	8.00	20.43

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx 11ax-20(OFDMA), 52-tone RU, MIMO
------	-------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
November 06, 2025	MR2	24 deg.C	34 %RH	Yuta Shiba

11ax-20(OFDMA), 52-tone RU, MIMO

Chain1 + Chain2

Tested Freq.	RU Index	Chain1						Chain2						Total		Limit	Margin
		PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Result Power					
					[dBm / 3 kHz]	[mW / 3 kHz]				[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]				
[MHz]																	
2412	37	-25.82	2.86	10.05	-12.91	0.05	-25.23	2.84	9.98	-12.41	0.06	-9.65	0.11	8.00	17.65		
2437	38	-26.72	2.83	10.05	-13.84	0.04	-25.65	2.81	9.98	-12.86	0.05	-10.32	0.09	8.00	18.32		
2462	40	-26.73	2.80	10.05	-13.88	0.04	-26.47	2.78	9.98	-13.71	0.04	-10.79	0.08	8.00	18.79		

Sample Calculation:

PSD: Power Spectral Density

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

Total Result = Chain1 Result + Chain2 Result

Power Density

Mode	Tx 11ax-20(OFDMA), 106-tone RU, SISO			
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Date	Test Place	Temperature	Humidity	Engineer
October 20, 2025	SR5	25 deg.C	53 %RH	Yohsuke Matsuzawa

11ax-20(OFDMA), 106-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	53	-26.73	2.84	9.98	-13.92	8.00	21.92
2437	53	-27.11	2.81	9.98	-14.33	8.00	22.33
2462	54	-27.07	2.78	9.98	-14.32	8.00	22.32

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx 11ax-20(OFDMA), 106-tone RU, MIMO
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Date	Test Place	Temperature	Humidity	Engineer
October 20, 2025	SR5	25 deg.C	53 %RH	Yohsuke Matsuzawa

11ax-20(OFDMA), 106-tone RU, MIMO

Chain1 + Chain2

Tested Freq.	RU Index	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain1		Result	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Chain2	Atten. Loss [dB]	Result		Total Result Power		Limit	Margin
				Atten. Loss [dB]							[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]		
2412	53	-30.26	2.86	10.05		-17.35	0.02	-29.58	2.84	9.98	-16.76	0.02	-14.04	0.04	8.00	22.04
2437	53	-30.69	2.83	10.05		-17.81	0.02	-29.38	2.81	9.98	-16.59	0.02	-14.15	0.04	8.00	22.15
2462	54	-29.81	2.80	10.05		-16.96	0.02	-29.45	2.78	9.98	-16.70	0.02	-13.82	0.04	8.00	21.82

Sample Calculation:

PSD: Power Spectral Density

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

Total Result = Chain1 Result + Chain2 Result

Power Density

Mode	Tx 11ax-20(OFDMA), 242-tone RU, SISO
------	--------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
October 20, 2025	SR5	25 deg.C	53 %RH	Yohsuke Matsuzawa

11ax-20(OFDMA), 242-tone RU, SISO

Antenna Port: Chain2

Tested Freq. [MHz]	RU Index	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	61	-27.95	2.84	9.98	-15.13	8.00	23.13
2437	61	-28.69	2.81	9.98	-15.91	8.00	23.91
2462	61	-28.34	2.78	9.98	-15.59	8.00	23.59

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx 11ax-20(OFDMA), 242-tone RU, MIMO
------	--------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
October 20, 2025	SR5	25 deg.C	53 %RH	Yohsuke Matsuzawa

11ax-20(OFDMA), 242-tone RU, MIMO

Chain1 + Chain2

Tested Freq.	RU Index	Chain1						Chain2						Total Result Power		Limit	Margin
		PSD Reading	Cable Loss	Atten. Loss	Result		PSD Reading	Cable Loss	Atten. Loss	Result							
		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]		
[MHz]																	
2412	61	-32.08	2.86	10.05	-19.17	0.01	-31.78	2.84	9.98	-18.96	0.01	-16.06	0.02	8.00		24.06	
2437	61	-32.39	2.83	10.05	-19.51	0.01	-31.09	2.81	9.98	-18.30	0.01	-15.86	0.03	8.00		23.86	
2462	61	-32.31	2.80	10.05	-19.46	0.01	-32.10	2.78	9.98	-19.34	0.01	-16.40	0.02	8.00		24.40	

Sample Calculation:

PSD: Power Spectral Density

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

Total Result = Chain1 Result + Chain2 Result

Power Density

Mode	Tx BT LE 1M-PHY			
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Date	Test Place	Temperature	Humidity	Engineer
November 04, 2025	MR2	24 deg.C	37 %RH	Yuta Shiba

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	-23.88	1.99	10.05	-11.85	8.00	19.85
2440	-24.26	2.01	10.05	-12.22	8.00	20.22
2480	-24.92	2.03	10.05	-12.84	8.00	20.84

Sample Calculation:

PSD: Power Spectral Density

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

Power Density

Mode	Tx BT LE 2M-PHY			
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Date	Test Place	Temperature	Humidity	Engineer
November 04, 2025	MR2	24 deg.C	37 %RH	Yuta Shiba

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	-26.76	1.99	10.05	-14.72	8.00	22.72
2440	-27.13	2.01	10.05	-15.08	8.00	23.08
2480	-27.87	2.03	10.05	-15.80	8.00	23.80

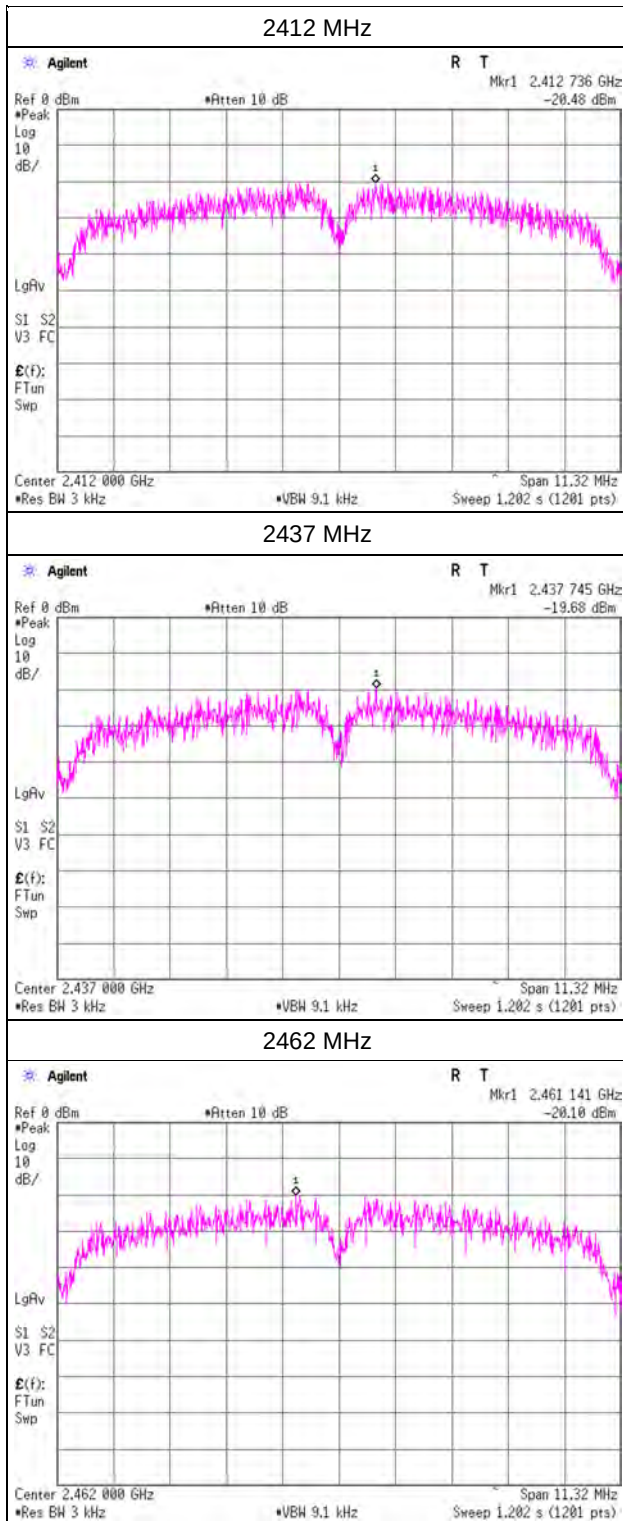
Sample Calculation:

PSD: Power Spectral Density

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

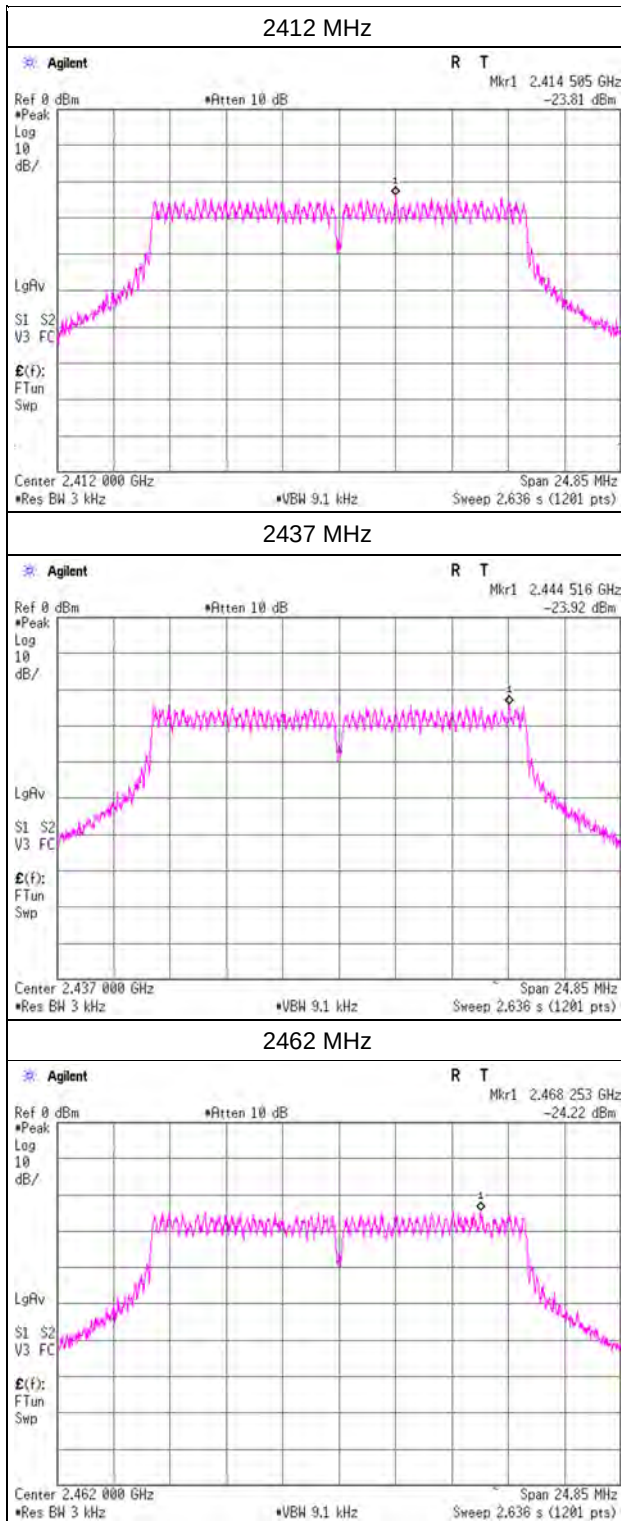
Power Density

11b, Chain2



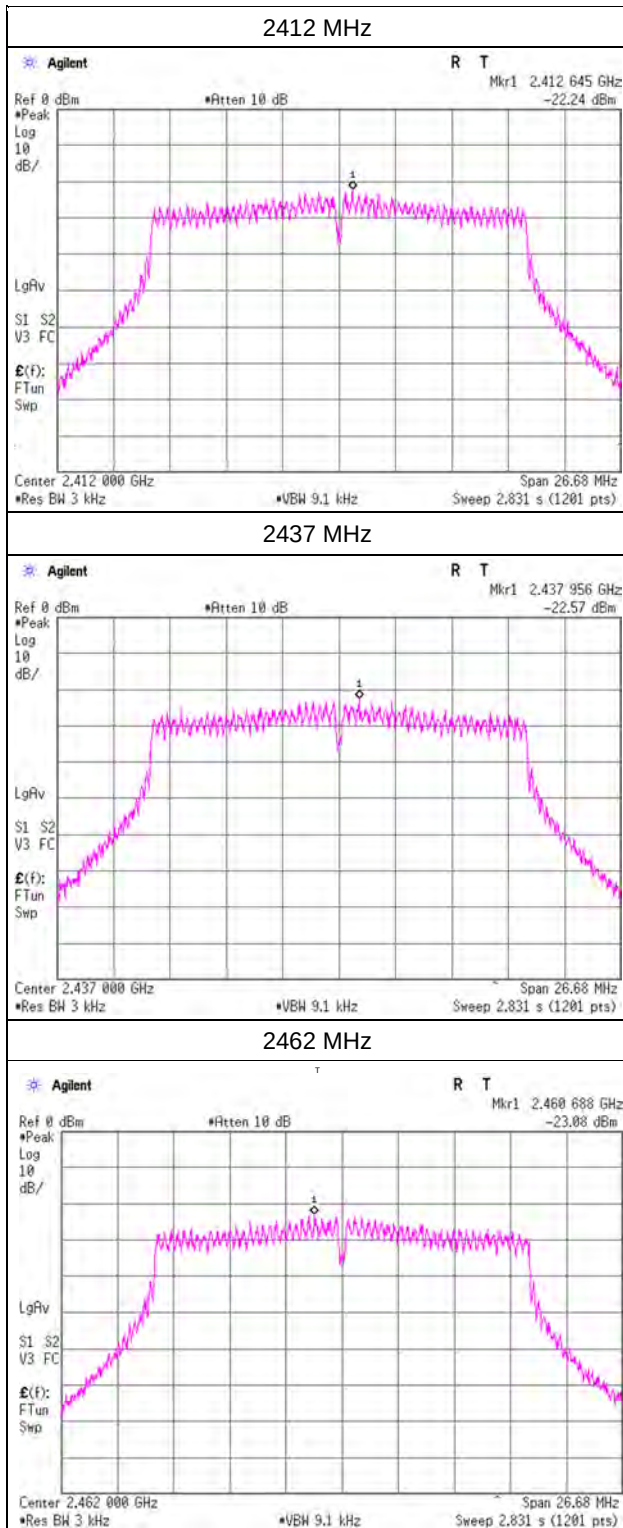
Power Density

11g, Chain2



Power Density

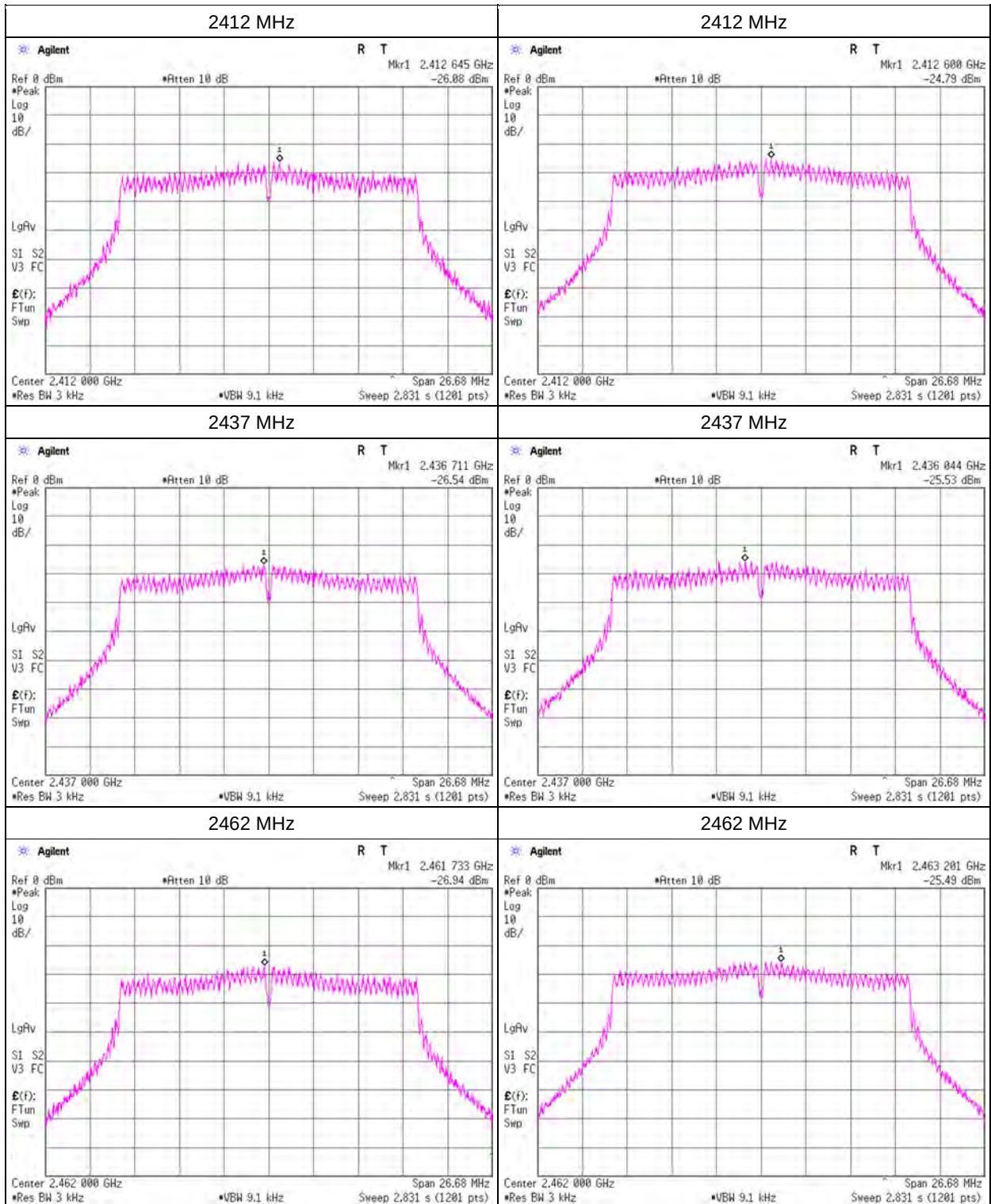
11n-20, SISO, Chain2



Power Density

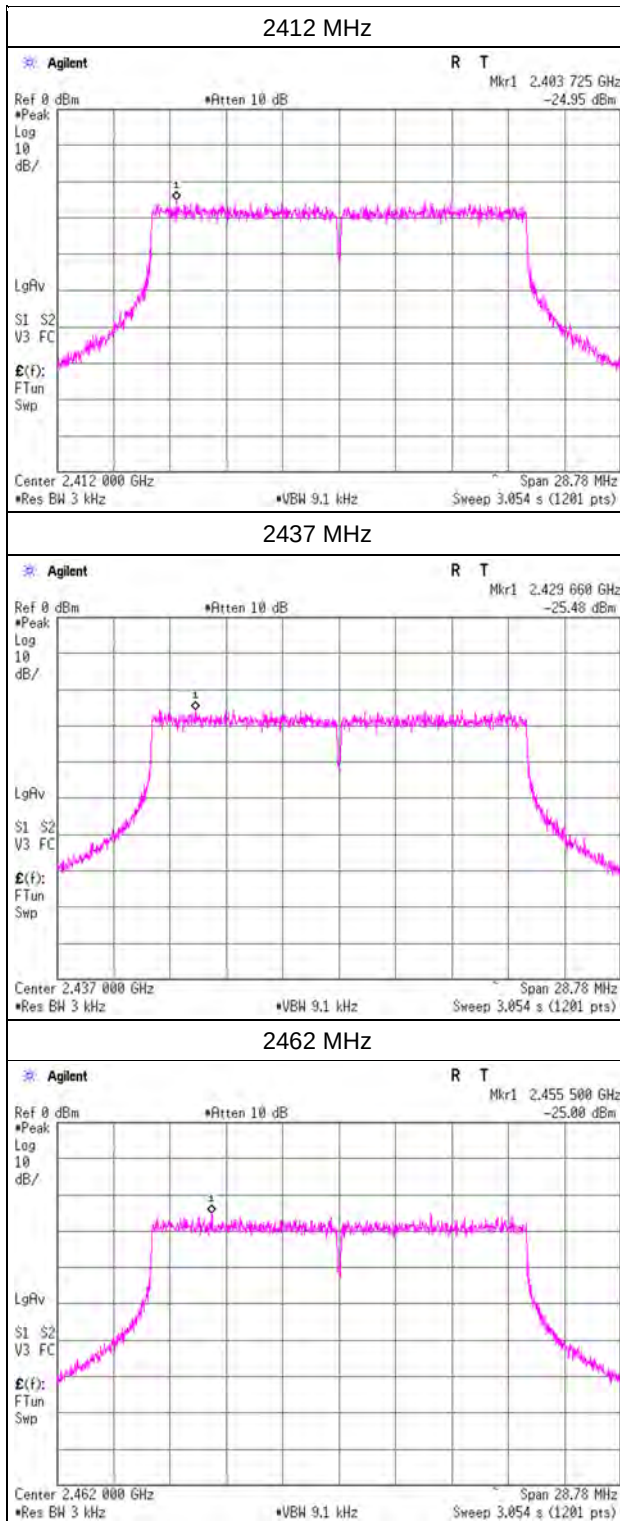
11n-20, MIMO, Chain1

11n-20, MIMO, Chain2



Power Density

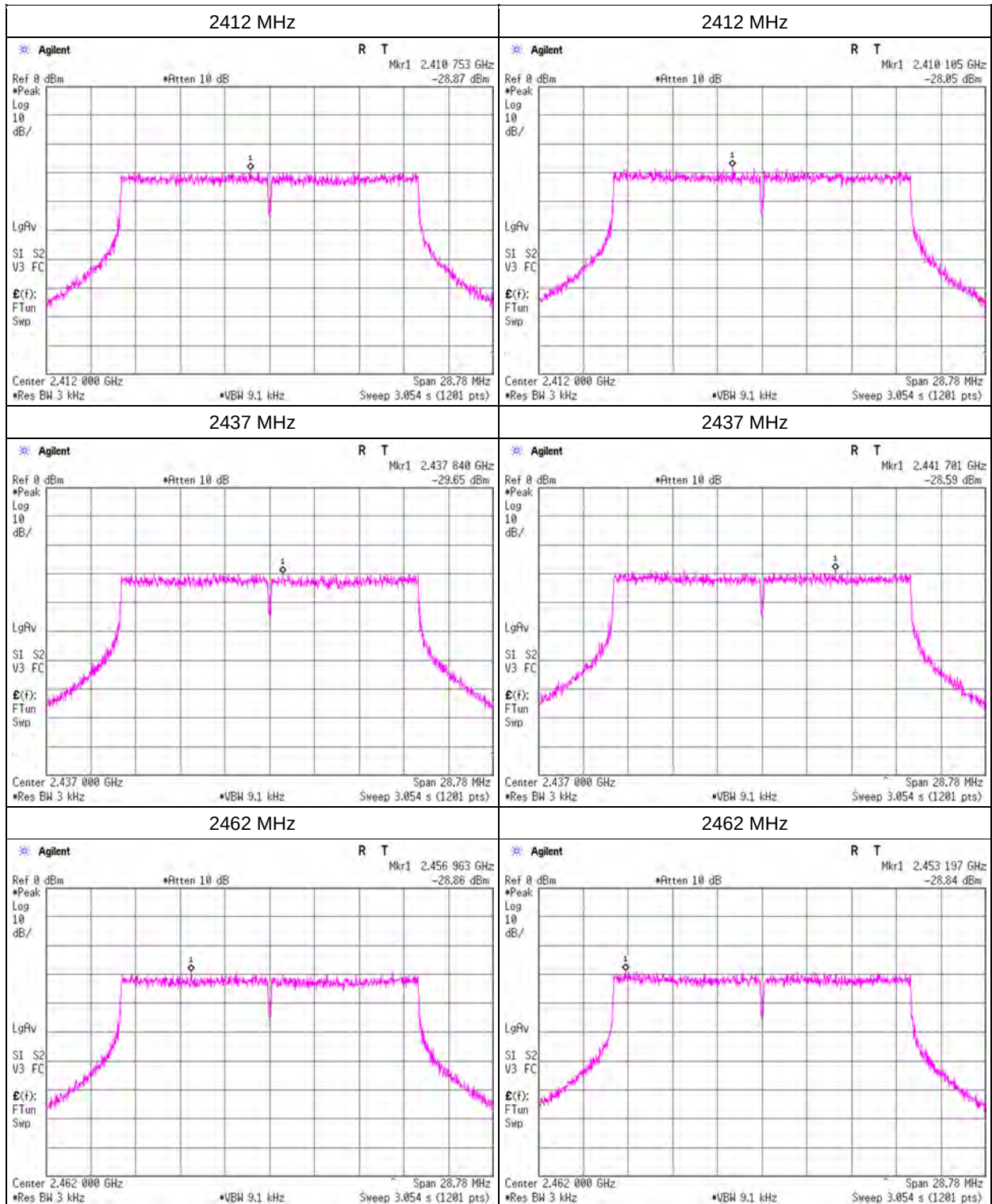
11ax-20(OFDM), SISO, Chain2



Power Density

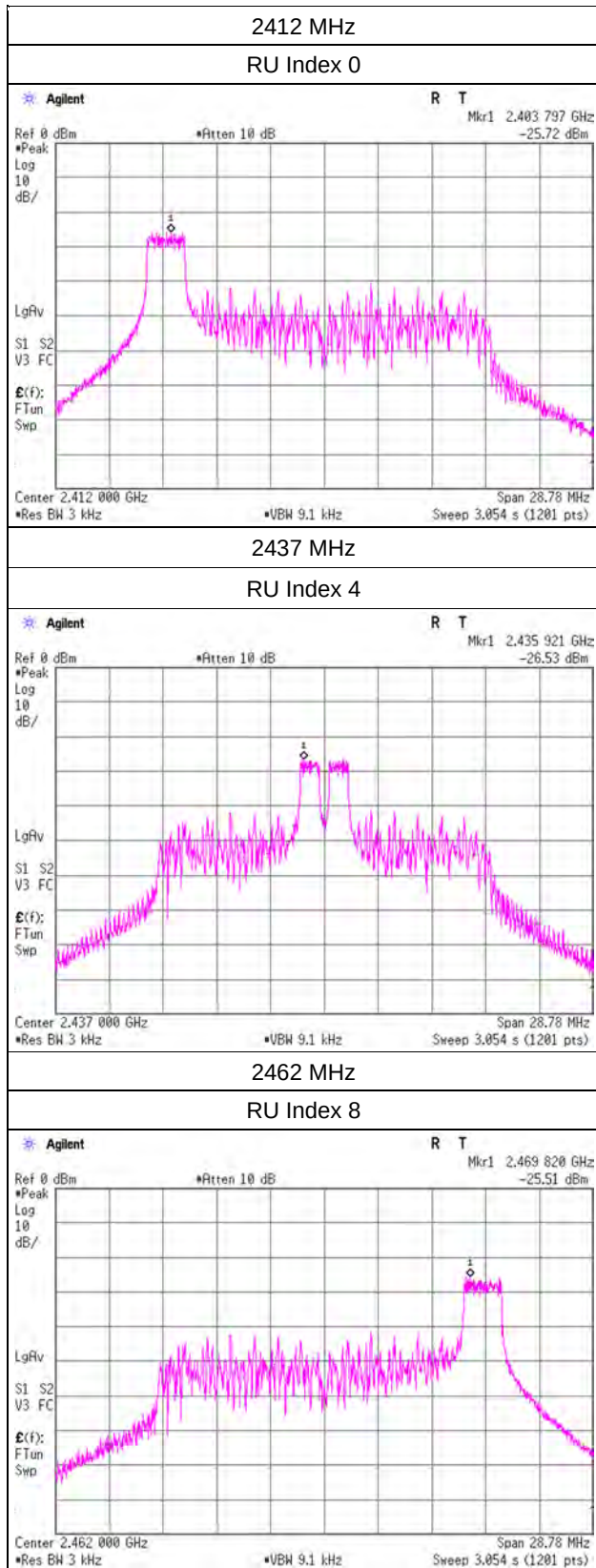
11ax-20(OFDM), MIMO, Chain1

11ax-20(OFDM), MIMO, Chain2



Power Density

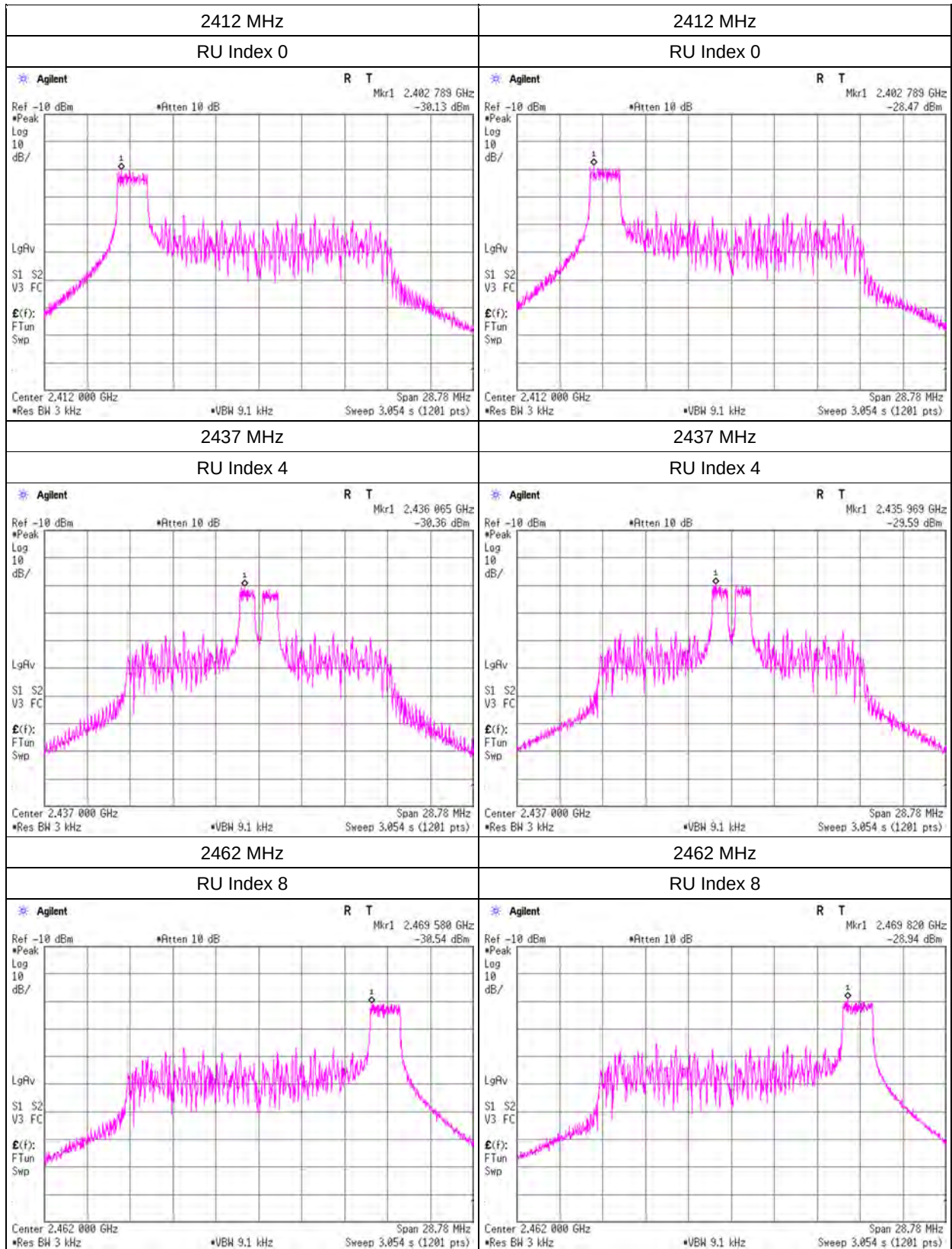
11ax-20(OFDMA), 26-tone RU, SISO, Chain2



Power Density

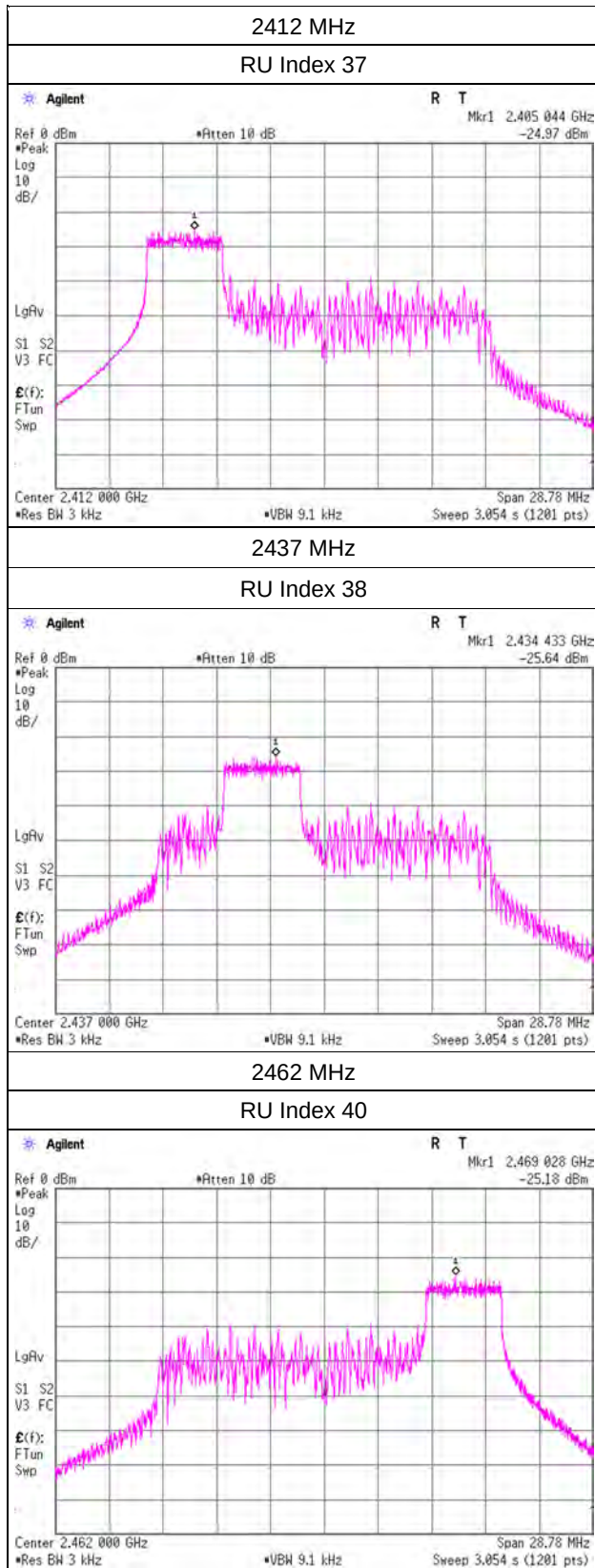
11ax-20(OFDMA), 26-tone RU, MIMO, Chain1

11ax-20(OFDMA), 26-tone RU, MIMO, Chain2



Power Density

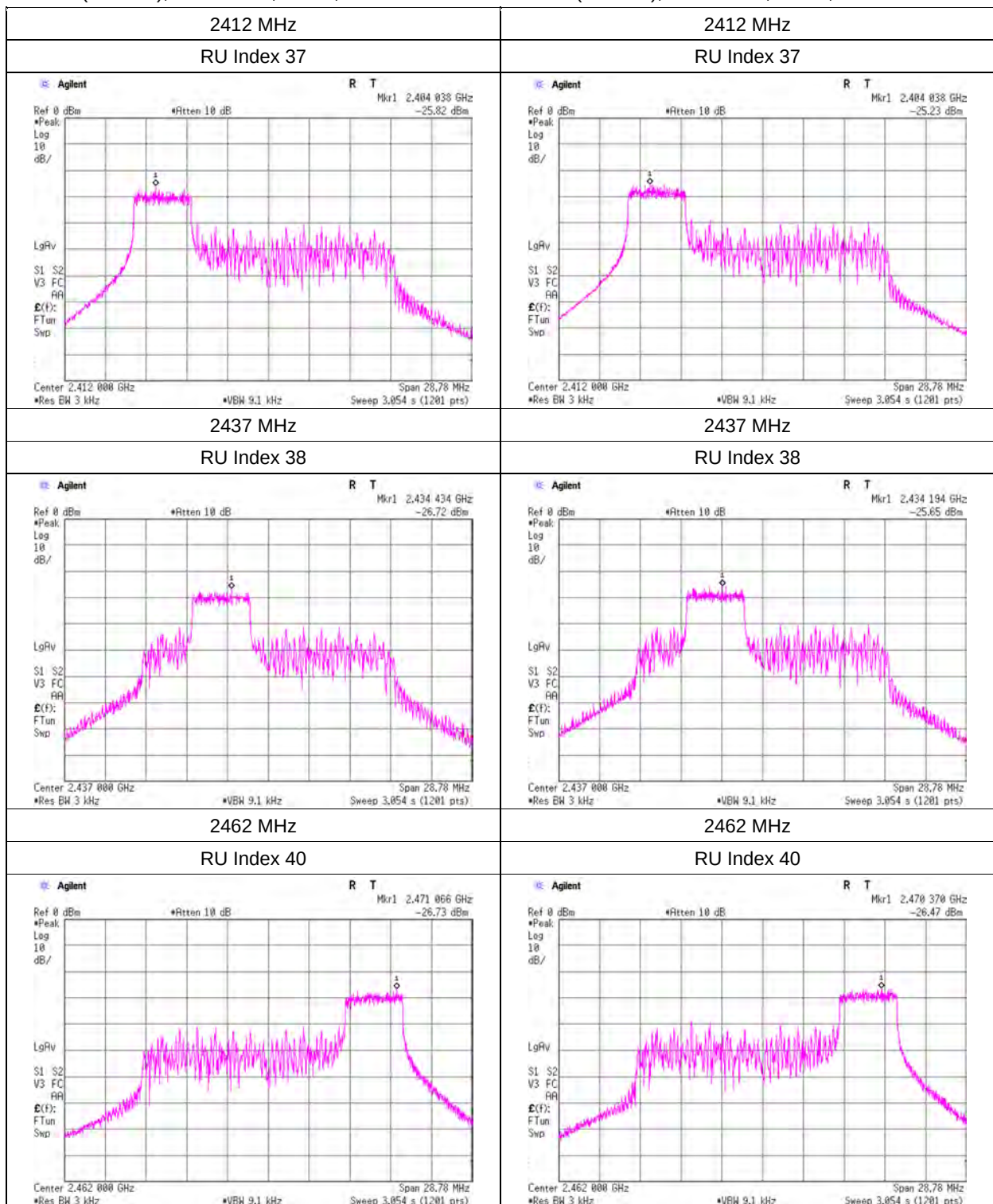
11ax-20(OFDMA), 52-tone RU, SISO, Chain2



Power Density

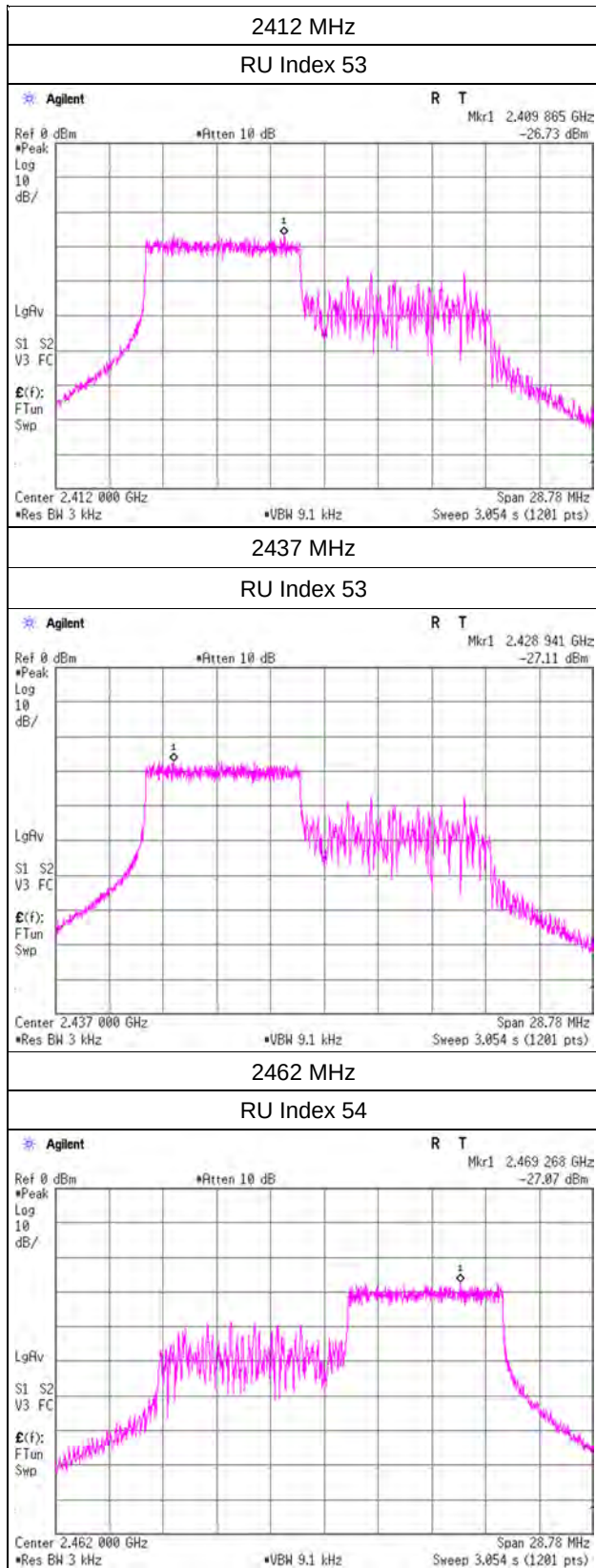
11ax-20(OFDMA), 52-tone RU, MIMO, Chain1

11ax-20(OFDMA), 52-tone RU, MIMO, Chain2



Power Density

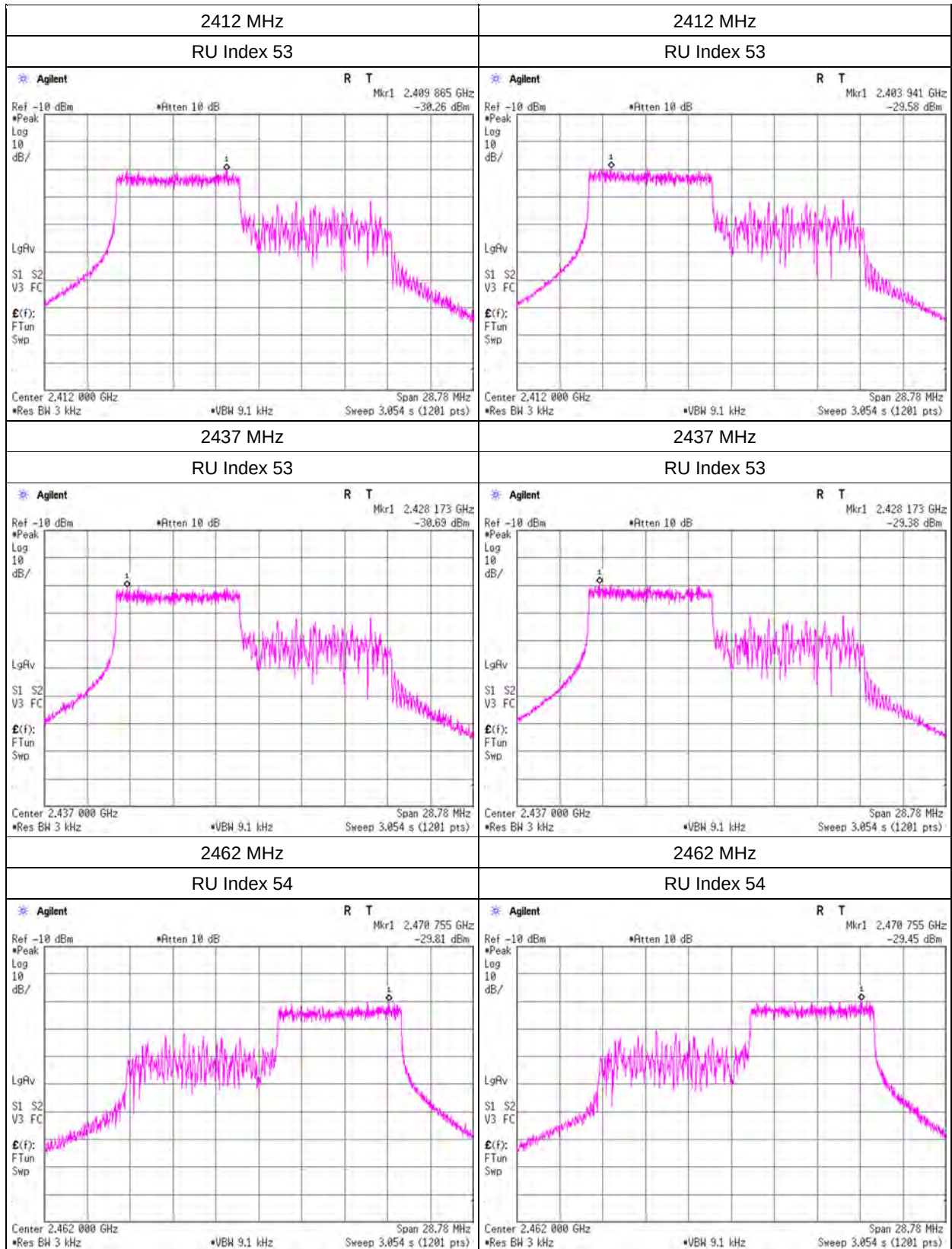
11ax-20(OFDMA), 106-tone RU, SISO, Chain2



Power Density

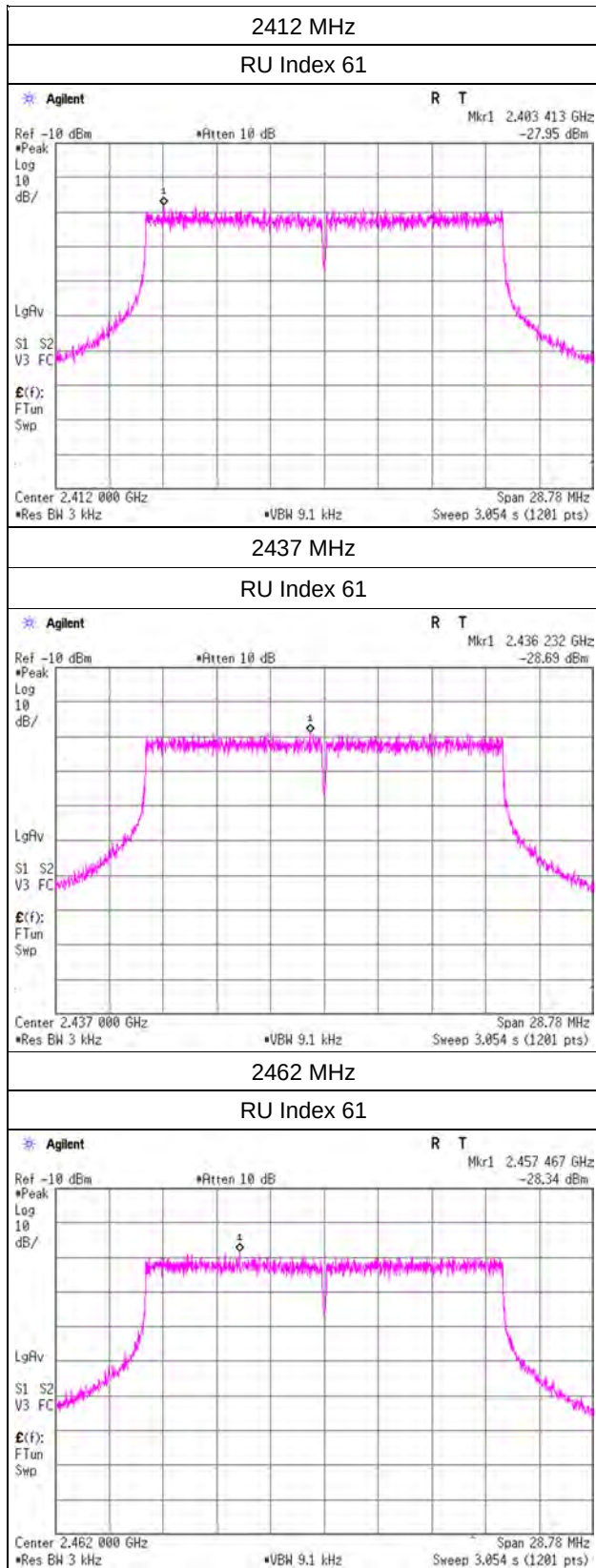
11ax-20(OFDMA), 106-tone RU, MIMO, Chain1

11ax-20(OFDMA), 106-tone RU, MIMO, Chain2



Power Density

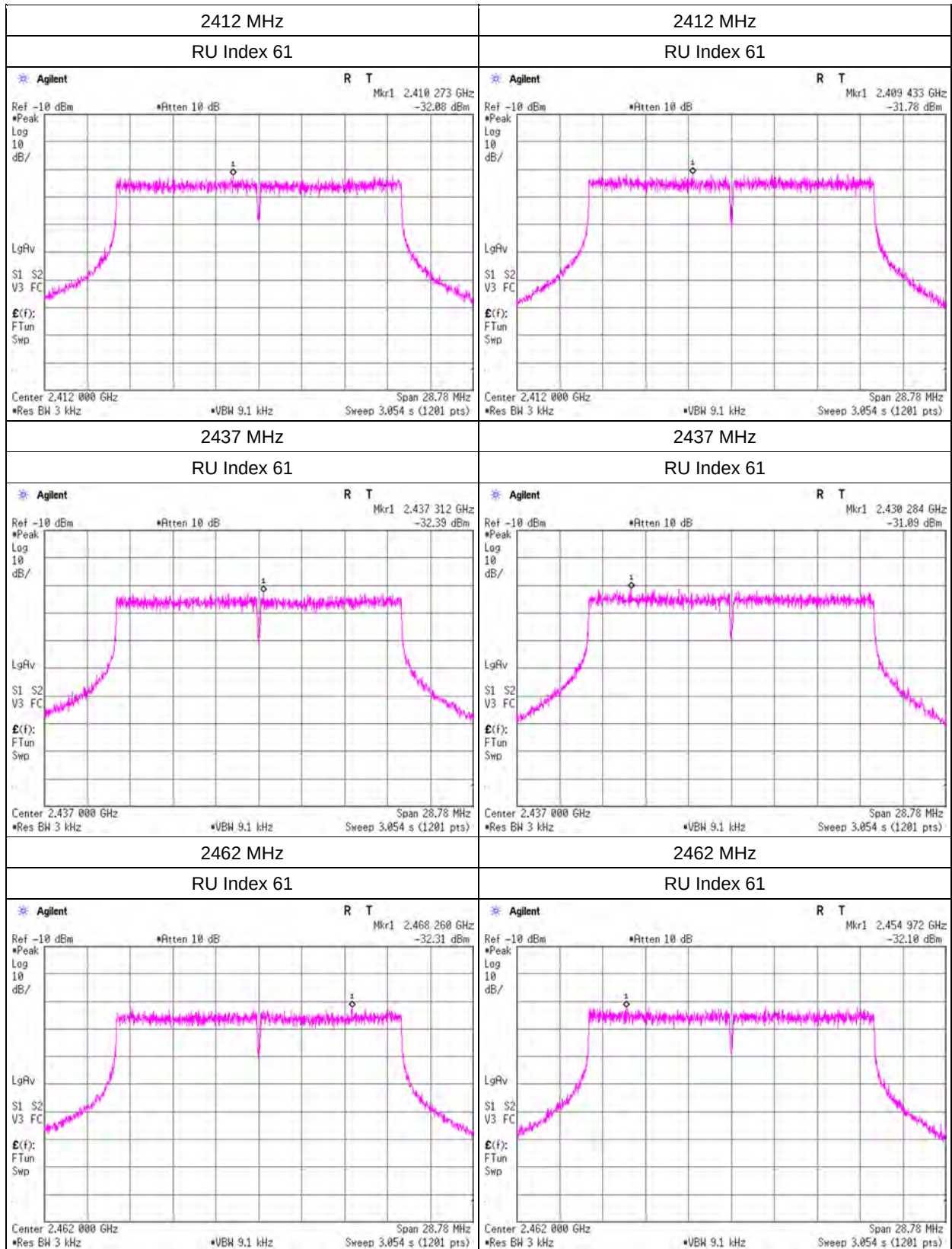
11ax-20(OFDMA), 242-tone RU, SISO, Chain2



Power Density

11ax-20(OFDMA), 242-tone RU, MIMO, Chain1

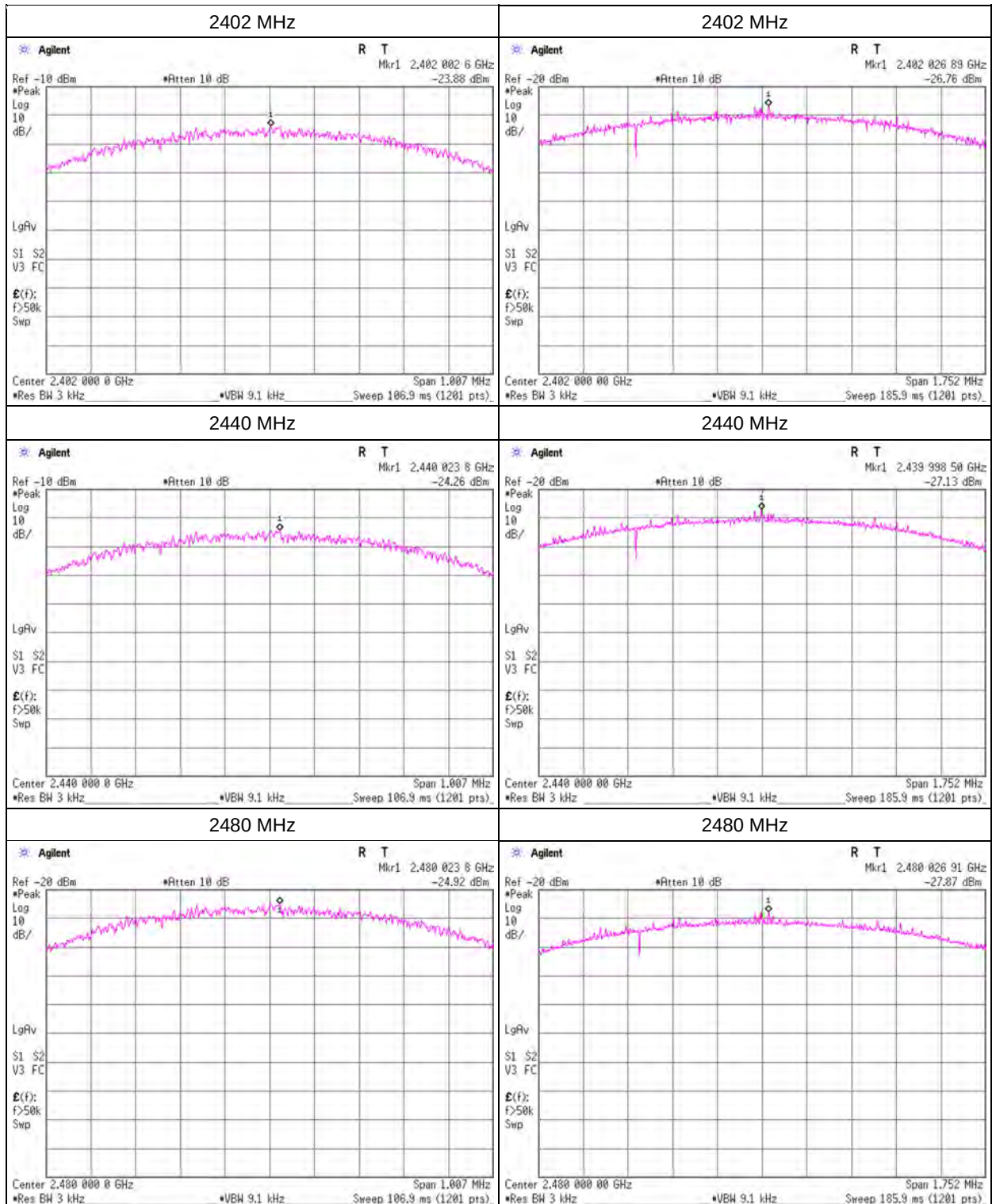
11ax-20(OFDMA), 242-tone RU, MIMO, Chain2



Power Density

BT LE 1M-PHY

BT LE 2M-PHY



APPENDIX 2: Test Instruments

Test Equipment [1/2]

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
AT	204926	Attenuator	Weinschel Corp.	54A-10	109971	2025/02/18	12
AT	204927	Attenuator	Weinschel Corp.	54A-10	109972	2025/02/18	12
AT	245174	Coaxial Cable	Hayashi-Repic co., Ltd.	KMS020B-GL140sE-KMS020B-2.0m	49334-01-01	2025/02/18	12
AT	245175	Coaxial Cable	Hayashi-Repic co., Ltd.	KMS020B-GL140sE-KMS020B-2.0m	49334-01-02	2025/02/18	12
AT	146212	Digital Hitester	HIOKI E. E. CORPORATION	3805-50	80997828	2025/09/10	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	169910	Power Meter	Keysight Technologies Inc	8990B	MY51000448	2025/05/21	12
AT	146310	Power sensor	Keysight Technologies Inc	N1923A	MY5326009	2025/05/20	12
AT	146311	Power sensor	Keysight Technologies Inc	N1923A	MY5349008	2025/05/20	12
AT	169911	Power sensor	Keysight Technologies Inc	N1923A	MY57270004	2025/05/21	12
AT	145801	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY48250152	2025/09/11	12
AT	150461	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46186392	2025/08/07	12
AT	236410	Spectrum Analyzer	Keysight Technologies Inc	N9030B	MY63050151	2025/04/29	12
AT	249684	Terminator	To-Conne Co., Ltd.	SMA50-SP 1W	-	-	-
AT	146362	Thermo-Hygrometer	CUSTOM. Inc	CTH-190	K-07	2025/08/15	12
AT	259714	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/11	12
RE	199784	Attenuator	JFW	50HF-006N	-	2025/06/04	12
RE	239786	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHBB 9124+BBA9106	01895	2025/08/14	12
RE	145176	Coaxial Cable	Suhner	SUCOFLEX 102	32703/2	2025/08/27	12
RE	178572	Coaxial Cable	Huber+Suhner	SUCOFLEX 104	800288 /4A	2025/02/28	12
RE	179540	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	802815/2	2025/03/13	12
RE	236708	Coaxial Cable	Hayashi-Repic co., Ltd.	NMS079B-GL310C-SMS117B-2m	47256-02-03	2025/05/27	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	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	249679	Coaxial Cable	Hayashi-Repic co., Ltd.	SMS13-13A26-NMS13-0.5m	50736-01-01	2025/06/25	12
RE	255496	Coaxial Cable	Hayashi-Repic co., Ltd.	SFS13-13A26-SMS13-1.0m	51221-01-01	2025/12/07	12
RE	255497	Coaxial Cable	Hayashi-Repic co., Ltd.	SFS13-13A26-NMS13-1.0m	51221-02-01	2025/12/07	12
RE	264040	Coaxial Cable	Hayashi-Repic co., Ltd.	SMS13-13A26-SFS13-0.5m	53292-01-01	2025/06/20	12
RE	146210	Digital Hitester	HIOKI E. E. CORPORATION	3805-50	80997823	2025/09/10	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	145301	Highpass Filter	Micro-Tronics	HPM50111	51	2025/10/16	12
RE	144941	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	230	2025/05/24	12
RE	145501	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	9120D-739	2025/03/24	12
RE	145512	Horn Antenna	ETS-Lindgren	3160-09	00094868	2025/06/17	12

Test Equipment [2/2]

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	194685	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	711	2025/03/24	12
RE	236585	Horn Antenna	AINFO Inc.	LB-42-25-C2-KF	2020087000103	2025/04/01	12
RE	236588	Horn Antenna	AINFO Inc.	LB-28-25-C2-KF	2020059000176	2025/04/25	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	144878	Pre Amplifier	Hewlett Packard	8449B	3008A01268	2025/04/01	12
RE	145007	Pre Amplifier	Toyo Corporation	HAP18-26W	19	2025/08/27	12
RE	236966	Pre Amplifier	TSJ (Techno Science Japan)	MLA-9K01-L01	23050009	2025/02/19	12
RE	237718	Pre Amplifier	TSJ (Techno Science Japan)	MLA-18265-J03	23060016	2025/06/19	12
RE	237720	Pre Amplifier	TSJ (Techno Science Japan)	MLA-2440-J03	23060018	2025/06/19	12
RE	237784	RF RELAY MATRIX with preamplifier	TSJ (Techno Science Japan)	RFM-E221261R	07795	2025/11/23	12
RE	145566	Semi-Anechoic Chamber	TDK	SAEC-03(SVSWR)	3	2025/05/14	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	2025/06/12	12
RE	146432	Tape Measure	TAJIMA	GL19-55	-	-	-
RE	207280	Tape Measure	ASKUL	-	-	-	-
RE	235716	Tape Measure	ASKUL	-	-	-	-
RE	150463	Test Receiver	Rohde & Schwarz	ESW44	101581	2025/08/29	12
RE	235267	Test Receiver	Rohde & Schwarz	ESW44	103018	2025/03/18	12
RE	175822	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	-	2025/08/15	12
RE	235735	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/16	12
RE	255586	UL Japan Rf Filter Box	UL-FR1	Dow-Key Can Bus 3 switch, 3 port	NSN	2025/02/27	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