

RADIO TEST REPORT

Test Report No. 15908062S-A-R1

Customer	Nintendo Co., Ltd.
Description of EUT	Game console
Model Number of EUT	BEE-001(-01)
FCC ID	BKEBEE00101
Test Regulation	FCC Part 15 Subpart C
Test Result	Complied
Issue Date	October 2, 2026
Remarks	Wireless LAN (2.4 GHz band) and Bluetooth Low Energy part(s)

Representative Test EngineerYosuke Murakami
Engineer**Approved By**Shunsaku Yumi
Engineer

CERTIFICATE 1266.03

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

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

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

REVISION HISTORY

Revision	Test Report No.	Date	Page Revised Contents								
- (Original)	15908062S-A	June 26, 2026	-								
1	15908062S-A-R1	October 2, 2026	Section 2.1 - Corrected date "July 15 to December 7, 2025" to "July 15, 2025 to January 28, 2026" Section 2.2 - Corrected typo "AC 100 V to 24 V" to "AC 100 V to 240 V" Section 4.1 - Corrected typo power setting to power settings Power setting table "2142 MHz to 2462 MHz" to "2412 MHz to 2462 MHz" - Deleted the Tested Frequency From <table border="1"> <tr> <td>6 dB Bandwidth, 99 % Occupied Bandwidth</td><td>Tx 11b Tx 11g Tx 11n-20(SDM) Tx 11ax-20(CFDM)(SDM) Tx 11ax-20(OFDMA)(SDM)</td><td>Ant 0</td><td>2412 MHz 2437 MHz 2462 MHz 2467 MHz 2472 MHz</td></tr> </table> To <table border="1"> <tr> <td>6 dB Bandwidth, 99 % Occupied Bandwidth</td><td>Tx 11b Tx 11g Tx 11n-20(SDM) Tx 11ax-20(CFDM)(SDM) Tx 11ax-20(OFDMA)(SDM)</td><td>Ant 0</td><td>2412 MHz 2437 MHz 2462 MHz 2472 MHz</td></tr> </table>	6 dB Bandwidth, 99 % Occupied Bandwidth	Tx 11b Tx 11g Tx 11n-20(SDM) Tx 11ax-20(CFDM)(SDM) Tx 11ax-20(OFDMA)(SDM)	Ant 0	2412 MHz 2437 MHz 2462 MHz 2467 MHz 2472 MHz	6 dB Bandwidth, 99 % Occupied Bandwidth	Tx 11b Tx 11g Tx 11n-20(SDM) Tx 11ax-20(CFDM)(SDM) Tx 11ax-20(OFDMA)(SDM)	Ant 0	2412 MHz 2437 MHz 2462 MHz 2472 MHz
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Section 4.1 (Continued)

- Corrected note *2)

High power setting was to Normal power settings were

- Added the tested mode (simultaneous transmission)

Tx BT LE 2M-PHY 2402 MHz + 11ax-80 (OFDM)(SDM) 5775 MHz

Section 6

- Deleted section and table number from the reference

Table 4 of RSS-Gen 8.9 to RSS-Gen

Table 6 of RSS-Gen 8.9 to RSS-Gen

Appendix 1

- Conducted Spurious Emission

Corrected Limit

WLAN: From

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain * [dB]	N (Number of Output)	ERP [dBm]	Distance [m]	Ground bounce [dB]	E (net strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
0.011	-100.58	0.00	10.11	2.00	2.00	-85.5	300	6.0	-24.2	107.1	131.3	-
0.150	-89.44	0.01	10.11	2.00	2.00	-74.3	300	6.0	-13.1	84.6	97.1	-

To

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain * [dB]	N (Number of Output)	ERP [dBm]	Distance [m]	Ground bounce [dB]	E (net strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
0.011	-100.58	0.00	10.11	2.00	2.00	-85.5	300	6.0	-24.2	47.1	71.3	-
0.150	-89.44	0.01	10.11	2.00	2.00	-74.3	300	6.0	-13.1	24.6	37.1	-

BT LE: From

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain * [dB]	N (Number of Output)	ERP [dBm]	Distance [m]	Ground bounce [dB]	E (net strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
0.009	-101.29	0.00	10.11	2.00	1.00	-89.2	300	6.0	-27.9	108.1	136.0	-
0.150	-89.76	0.01	10.11	2.00	1.00	-77.6	300	6.0	-16.4	84.0	100.4	-

To

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain * [dB]	N (Number of Output)	ERP [dBm]	Distance [m]	Ground bounce [dB]	E (net strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
0.009	-101.29	0.00	10.11	2.00	1.00	-89.2	300	6.0	-27.9	48.1	76.0	-
0.150	-89.76	0.01	10.11	2.00	1.00	-77.6	300	6.0	-16.4	24.0	40.4	-

Reference: Abbreviations (Including words undescribed in this report)

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

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SECTION 1: Customer Information

Company Name	Nintendo Co., Ltd.
Address	11-1 Hokotate-cho, Kamitoba, Minami-ku, Kyoto 601-8501, Japan
Telephone Number	+81-75-662-9600
Contact Person	Yosuke Ishikawa

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	Game console
Model Number	BEE-001(-01)
Serial Number	Refer to SECTION 4.2
Condition	Engineering prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification	No Modification by the test lab
Receipt Date	July 15, 2025
Test Date	July 15, 2025 to January 28, 2026

2.2 Product Description

General Specification

Rating	DC: 5 V to 15 V (*AC Adaptor) Internal battery: 3.8 V *AC Adaptor AC 100 V to 240 V, 50 / 60 Hz AC Adaptor output: 5 V to 20 V
Operating temperature	+5 deg. C to +35 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 / Low Energy)

Equipment Type	Transceiver
Frequency of Operation	2402 MHz to 2480 MHz
Type of Modulation	BT: FHSS (GFSK, $\pi/4$ DQPSK, 8 DPSK) BT LE: GFSK
Antenna Type	LDS Antenna
Antenna Gain ^{a)}	Antenna 0: -1.83 dBi Antenna 1: -1.21 dBi

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

Equipment Type	Transceiver
Frequency of Operation	2412 MHz to 2472 MHz
Type of Modulation	DSSS, OFDM OFDMA (IEEE802.11ax Only): 26/52/106/242-tone RU
Antenna Type	LDS Antenna
Antenna Gain ^{a)}	Antenna 0: -1.83 dBi Antenna 2: -2.94 dBi

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

Equipment Type	Transceiver	
Frequency of Operation	20 MHz Band:	5180 MHz to 5240 MHz 5260 MHz to 5320 MHz 5500 MHz to 5700 MHz 5745 MHz to 5825 MHz
	40 MHz Band	5190 MHz to 5230 MHz 5270 MHz to 5310 MHz 5510 MHz to 5670 MHz 5755 MHz to 5795 MHz
	80 MHz band	5210 MHz 5290 MHz 5530 MHz to 5610 MHz 5775 MHz
Type of Modulation	OFDM	
	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
Antenna Type	LDS Antenna	
Antenna Gain	Antenna 0	-0.54 dBi (WLAN U-NII-1, U-NII-2A, U-NII-2C, U-NII-3 band)
	Antenna 2	1.64 dBi (WLAN U-NII-1, U-NII-2A, U-NII-2C, U-NII-3 band)

LDS: Laser Direct Structuring

* IEEE802.11a / 11ax only

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

* Also the EUT complies with FCC Part 15 Subpart B.

3.2 Reference Standards

ANSI/USEMCSC C63.2-2023
ANSI C63.4-2014/C63.4a-2017
ANSI C63.5-2017
ANSI C63.10-2020
ANSI/USEMCSC C63.10/Cor 1-2023
ANSI/USEMCSC C63.10a-2024 for ISED
ANSI C63.25.1-2018
KDB 558074 D01 v05r02
KDB 662911 D01 v02r01 for FCC MIMO device
RSS-Gen Issue 5/Amendment 1/Amendment 2 for ISED

3.3 Summary of Test Results

Item	Specification	Results	Remarks
Conducted Emission	FCC: Section 15.207 ISED: RSS-Gen 8.8	Complied	-
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) *1)

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

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

FCC Part 15.31 (e)

This EUT provides the stable voltage constantly to RF Part regardless of input voltage.
Therefore, this 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 EUT.
Therefore, the equipment complies with the antenna requirement of Section 15.203.

3.4 Addition to Standard

Item	Specification	Results	Remarks
99 % Occupied Bandwidth	ISED: -	-	Conducted

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

3.5 Uncertainty

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

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

Item	Frequency range	Uncertainty (+/-)
Conducted Emission (AC Mains) LISN	150 kHz to 30 MHz	3.0 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)

[WLAN]

Mode	Remarks*
IEEE 802.11b (11b)	11 Mbps, PN9
IEEE 802.11g (11g)	54 Mbps, PN9
IEEE 802.11n SISO 20 MHz BW (11n-20(SISO))	MCS 7, PN9
IEEE 802.11n SDM 20 MHz BW (11n-20(SDM))	MCS 15, PN9
IEEE 802.11ax SISO 20 MHz BW OFDM (11ax-20(OFDM)(SISO))	MCS 11, PN9
IEEE 802.11ax SISO 20 MHz BW OFDMA (11ax-20(OFDMA)(SISO))	
IEEE 802.11ax SDM 20 MHz BW OFDM (11ax-20(OFDM)(SDM))	MCS 11, PN9
IEEE 802.11ax SDM 20 MHz BW OFDMA (11ax-20(OFDMA)(SDM))	
*The worst condition was determined based on the test result of Maximum Peak Output Power (Low Channel).	
*Power of the EUT was set by the software as follows; Power Setting: Normal power settings: See below table Low power settings: -20 Software: WlanBtRelayTool Version: 2025-0515-2335_b685886 (Date: 2025.07.15, 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. Test operating mode was determined as follows according to "Section 1 of 6 802.11 a/b/g/n testing - Managing Complex Regulatory Approvals - " of TCB Council Workshop October 2009 and also was judged the necessity of 802.11ac/ax mode by the pre-test.	

Power setting table

SISO/SDM	mode	2412 MHz to 2462 MHz	2467 MHz and 2472 MHz
SISO	11b/11g/11n-20/11ax-20(OFDM)	12	10
	11ax-20 (OFDMA) 26-tone RU	7.5	-2
	11ax-20 (OFDMA) 52-tone RU	10.5	-2
	11ax-20 (OFDMA) 106-tone RU	12	1
	11ax-20 (OFDMA) 242-tone RU	12	10
SDM	11n-20/11ax-20(OFDM)	12	8
	11ax-20 (OFDMA) 26-tone RU	5	-4
	11ax-20 (OFDMA) 52-tone RU	8	-4
	11ax-20 (OFDMA) 106-tone RU	11	-1
	11ax-20 (OFDMA) 242-tone RU	12	8

*The Details of Operating Mode(s)

Test Item	Operating Mode *5) *6)	Tested Antenna *2)	Tested Frequency
Conducted Emission, Radiated Spurious Emission (Below 1 GHz)	Tx 11ax-20(OFDM)(SDM) *1)	Ant 0 + Ant 2	2412 MHz
Conducted Spurious Emission	Tx 11ax-20(OFDM)(SDM) *1)	Ant 0	2412 MHz
Radiated Spurious Emission (Above 1 GHz) *4)	Tx 11b Tx 11g Tx 11ax-20(OFDM)(SDM) *7) Tx 11ax-20(OFDMA)(SDM)	SISO Ant 2 *3) SDM Ant 0 + Ant 2	2412 MHz 2437 MHz 2462 MHz 2472 MHz
6 dB Bandwidth, 99 % Occupied Bandwidth	Tx 11b Tx 11g Tx 11n-20(SDM) Tx 11ax-20(OFDM)(SDM) Tx 11ax-20(OFDMA)(SDM)	Ant 0	2412 MHz 2437 MHz 2462 MHz 2472 MHz
Maximum Peak Output Power	Tx 11b Tx 11g Tx 11n-20(SISO) Tx 11ax-20(OFDM)(SISO) Tx 11ax-20(OFDMA)(SISO)	Ant 0	2412 MHz 2437 MHz 2462 MHz 2467 MHz 2472 MHz
	Tx 11n-20 (SDM) Tx 11ax-20(OFDM)(SDM) Tx 11ax-20(OFDMA)(SDM)	Ant 0 + Ant 2	2412 MHz 2437 MHz 2462 MHz 2467 MHz 2472 MHz
Power Density	Tx 11b Tx 11g	Ant 0	2412 MHz 2437 MHz 2462 MHz 2467 MHz 2472 MHz
	Tx 11n-20 (SDM) Tx 11ax-20(OFDM)(SDM) Tx 11ax-20(OFDMA)(SDM)	Ant 0 + Ant 2	2412 MHz 2437 MHz 2462 MHz 2467 MHz 2472 MHz

*1) The mode was tested as a representative, because it had the highest power at antenna terminal test.

*2) The test was performed with the antenna that had higher conducted power as a representative (Except for Maximum Peak Output Power).

*3) Tests were performed with the worst Antenna (Ant 0 or Ant 2) representative by the results of the pre-check.

*4) The test for except for 1 GHz to 2.8 GHz was performed on mode of OFDM and OFDMA that had the highest power as representative by the pre-check.

*5) Except for Maximum Peak Output Power, the tests were performed with the worst mode (SISO or SDM) representative by the results of the pre-check.

*6) Except for Maximum Peak Output Power, Normal power settings were tested as representative.

*7) Since each mode of 11n and 11ax have same modulation method and no differences in transmitting specification, the mode with the highest power was used as a representative.

* Ant 0: Antenna 0, Ant 1: Antenna 1, Ant 2: Antenna 2

[BT LE]

Mode	Remarks*
Bluetooth Low Energy (BT LE)	1M-PHY Uncoded PHY (1M-PHY), Maximum Packet Size, PRBS9
	coded S = 8, Maximum Packet Size, PRBS9
	coded S = 2, Maximum Packet Size, PRBS9
	2M-PHY Uncoded PHY (2M-PHY), Maximum Packet Size, PRBS9
*Power of the EUT was set by the software as follows; Power Setting: Normal power setting: 5 Low power setting: -25 Software: WlanBtRelayTool Version: 2025-0515-2335_b685886 (Date: 2025.07.15, 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.	

*The Details of Operating Mode(s)

Test Item	Operating Mode *2) *3)	Tested Antenna *2)	Tested Frequency
Conducted Emission, Radiated Spurious Emission (Below 1 GHz), Conducted Spurious Emission	Tx BT LE, coded S = 8 *1)	Ant 0	2480 MHz
6 dB Bandwidth, 99 % Occupied Bandwidth, Power Density	Tx BT LE, coded S = 8 Tx BT LE, 2M-PHY	Ant 0	2402 MHz 2440 MHz 2480 MHz
Maximum Peak Output Power	Tx BT LE, 1M-PHY Tx BT LE, coded S = 8 Tx BT LE, coded S = 2 Tx BT LE, 2M-PHY	Ant 0	2402 MHz 2440 MHz 2480 MHz
Radiated Spurious Emission (Above 1 GHz)	Tx BT LE, coded S = 8 Tx BT LE, 2M-PHY	Ant 0	2402 MHz 2440 MHz 2480 MHz

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

*2) The test was performed with the antenna that had higher conducted power as a representative (Except for Maximum Peak Output Power). For Conducted Emission and Radiated Spurious Emission, the test was performed with the worst antenna as a representative by the results of the pre-check.

*3) Except for Maximum Peak Output Power, Normal power settings were tested as representative.

* Ant 0: Antenna 0, Ant 1: Antenna 1, Ant 2: Antenna 2

Simultaneous transmission

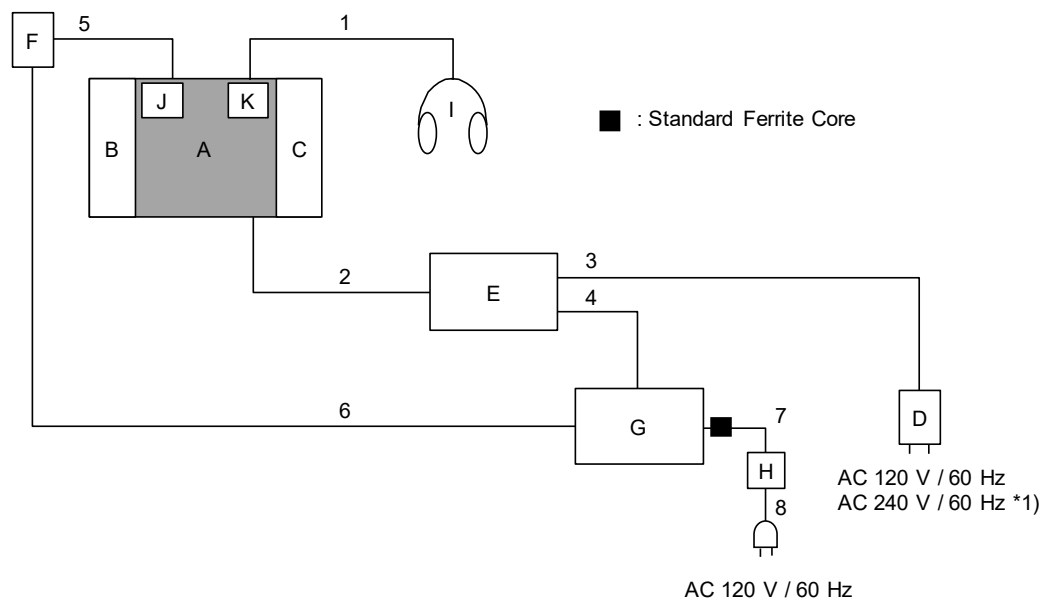
(It is only available on Ant 0, so testing was performed on Ant 0.)

Test Item	Mode *1) *2)	Antenna type
Radiated Spurious Emission	Tx BT LE 2M-PHY 2402 MHz + 11ax-80 (OFDM)(SDM) 5775 MHz Tx BT LE 2M-PHY 2480 MHz + 11ax-80 (OFDM)(SDM) 5775 MHz	Ant 0 + Ant 2
*1) The test was conducted on representative mode, the worst mode of GHz band at Spurious emission test and the mode had the highest power at Antenna terminal conducted test for WLAN 5 GHz band. *2) Simultaneous transmission was tested on the channel that was the worst margin of Radiated Spurious Emission (above 1 GHz) and band-edge for single transmission.		

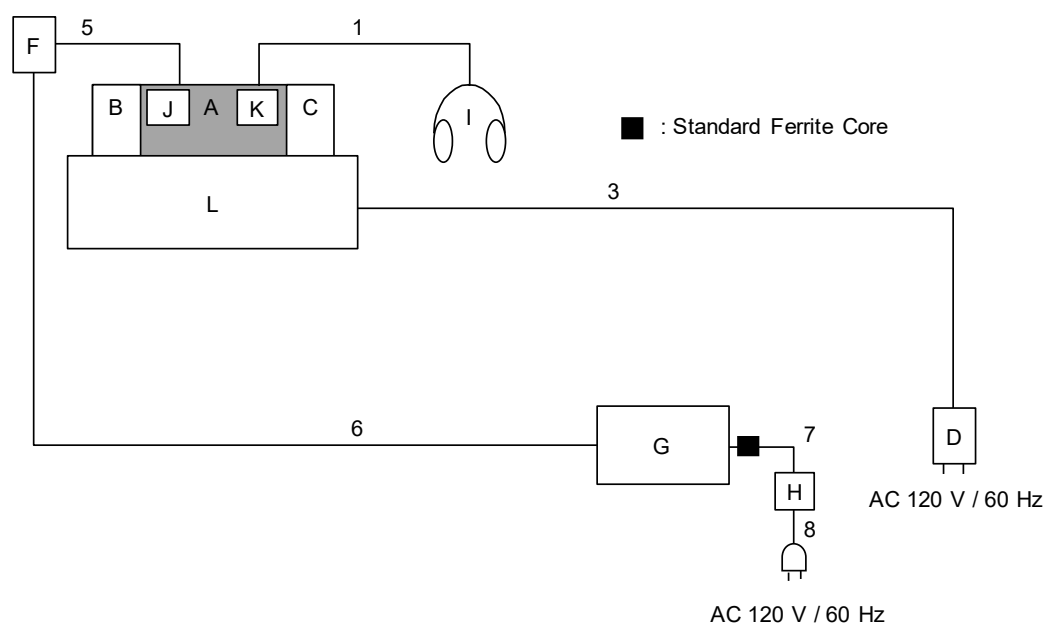
4.2 Configuration and Peripherals

Radiated emission test and Conducted emission test

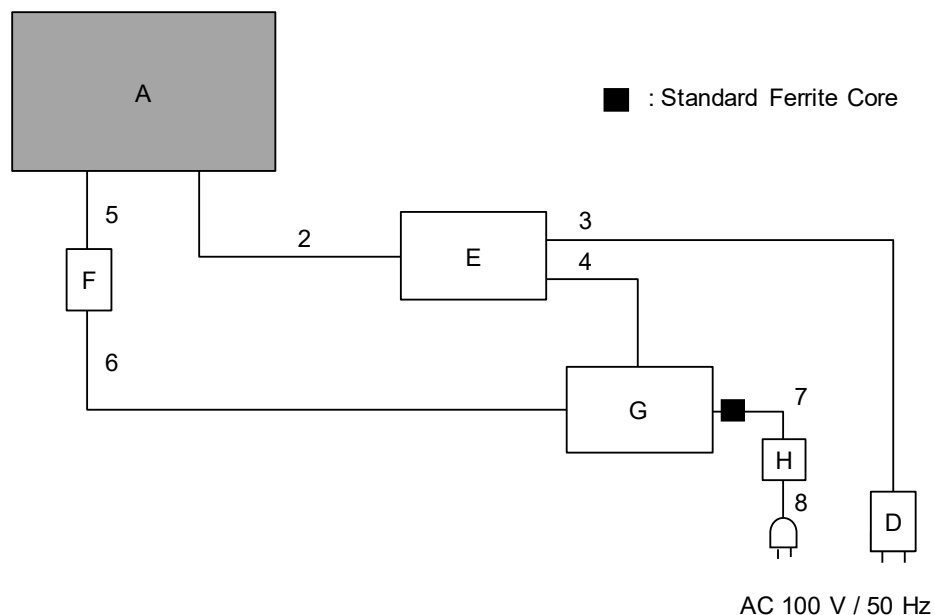
Without Dock



With Dock



Antenna terminal conducted test



- * Cabling and setup(s) were taken into consideration and test data was taken under worse case conditions.
 - * The carrier level and noise levels were confirmed with and without the controller (B and C) and Dock (L), and the test was made at the condition that has the maximum noise. (Only Radiated emission test)
 - * The EUT is equipped with two rechargeable USB ports (top and bottom side), a pre-check was performed on the worst port (bottom side) for conducted emissions.
- *1) As a result of comparing AC 120 V and AC 240 V at pre-check, conducted emission test was performed with AC 120 V of the worst voltage as representative.

Description of EUT and Support Equipment

No.	Item	Model number	Serial Number	Manufacturer	Remarks
A	Game console	BEE-001(-01)	HLW01000011416 *1) HLW01000011546 *2)	Nintendo Co., Ltd.	EUT
B	Joy-Con (L)	BEE-012(-01)	HBL01000025567	Nintendo Co., Ltd.	-
C	Joy-Con (R)	BEE-014(-01)	HCL01000026397	Nintendo Co., Ltd.	-
D	AC Adapter	NGN-01	0A00000202 *1) 0A00000189 *2)	Nintendo Co., Ltd.	-
E	Relay Box	BEE-053	HYL01100014942 *1) HYL01100014997 *2)	Nintendo Co., Ltd.	-
F	Wired LAN Adapter	LAN-GTJU3	67L349617597A *1) 67L349618908A *2)	Logitech	-
G	Laptop PC	CF-SV9RDQVS	0JKSC39510 *1) 1EKSC89513 *2)	Panasonic	-
H	AC Adapter	CF-AA65D2A M1	65D2AM1208002424WA *1) 65D2AM1213013536WA *2)	Panasonic	-
I	Earphones	MDR-EX255AP	-	Sony	-
J	Game Card	HAC-008	B-0640	Nintendo Co., Ltd.	-
K	Micro SD Card	MB-MC128K	-	Samsung	-
L	Dock	BEE-005	HFL01000036471	Nintendo Co., Ltd.	-

*1) Used for Antenna Terminal conducted test

*2) Used for Conducted Emission test and Radiated Emission test

List of Cables Used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	Earphones	1.25	Unshielded	Unshielded	-
2	USB	1.5	Shielded	Shielded	-
3	USB	1.5	Shielded	Shielded	-
4	USB	1.5	Shielded	Shielded	-
5	USB	0.1 + 0.1	Shielded	Shielded	-
6	LAN	1.0	Unshielded	Unshielded	Cat.6
7	DC	0.9	Unshielded	Unshielded	-
8	AC	0.8	Unshielded	Unshielded	-

SECTION 5: Conducted Emission

Test Procedure and Conditions

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

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

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

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

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

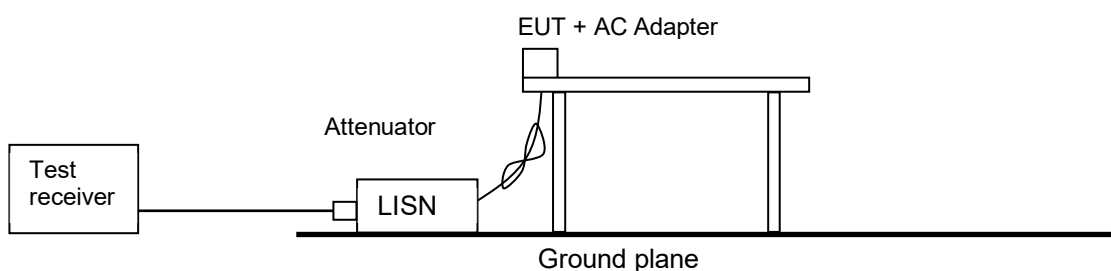
The EUT via AC Adapter was connected to a LISN (AMN).

An overview sweep with peak detection has been performed.

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

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

Figure 1: Test Setup



SECTION 6: Radiated Spurious Emission

Test Procedure

[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

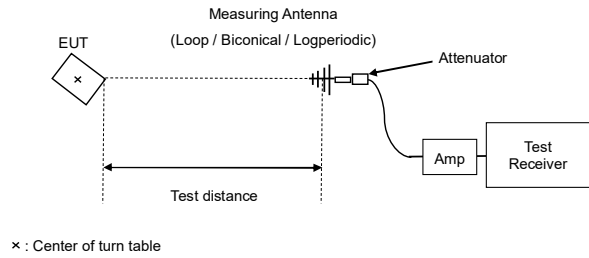
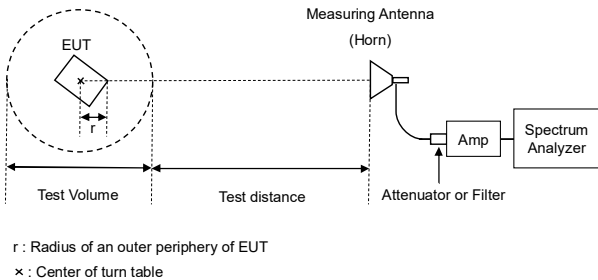
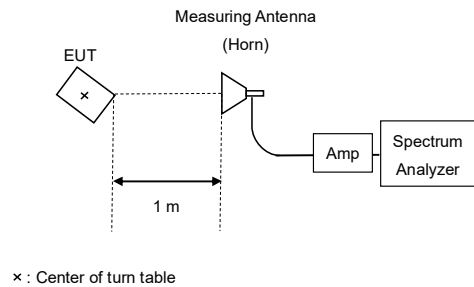
In any 100 kHz bandwidth outside the restricted band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator confirmed 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired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

20 dBc was applied to the frequency over the limit of FCC 15.209 / RSS-Gen (ISED) and outside the restricted band of FCC15.205 / RSS-Gen (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	11.12.2.5.1 RBW: 1 MHz VBW: 3 MHz Detector: Power Averaging (RMS) Trace: 100 traces 11.12.2.5.2 The duty cycle was less than 98 % for detected noise, a duty factor was added to the 11.12.2.5.1 results.	RBW: 100 kHz VBW: 300 kHz

Figure 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: $20 \times \log (3.94 \text{ m}^* / 3.0 \text{ m}) = 2.37 \text{ dB}$ $^*(\text{Test Distance} + \text{SVSWR Volume} / 2) - r = 3.94 \text{ m}$ SVSWR Volume: 2.0 m (SVSWR Volume has been calibrated based on CISPR 16-1-4.) r: 0.06 m
10 GHz to 26.5 GHz	
 × : Center of turn table	Distance Factor: $20 \times \log (1.0 \text{ m} / 3.0 \text{ m}) = -9.54 \text{ dB}$ $^*\text{Test Distance: } 1 \text{ m}$

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

WLAN (SISO)

Antenna polarization	Spurious (30 MHz to 1 GHz)	Spurious (1 GHz to 2.8 GHz)	Spurious (2.8 GHz to 10 GHz)	Spurious (10 GHz to 18 GHz)	Spurious (18 GHz to 26.5 GHz)
Horizontal	-	Z	Z	X	X
Vertical	-	Z	Y	X	X

*All conditions were performed with controller and without dock.

WLAN (SDM)

Antenna polarization	Spurious (30 MHz to 1 GHz)	Spurious (1 GHz to 2.8 GHz)	Spurious (2.8 GHz to 10 GHz)	Spurious (10 GHz to 18 GHz)	Spurious (18 GHz to 26.5 GHz)
Horizontal	Z	Z	Y	X	X
Vertical	Y	X	Y	X	X

*All conditions were performed with controller and without dock.

BT LE

Antenna polarization	Spurious (30 MHz to 1 GHz)	Spurious (1 GHz to 2.8 GHz)	Spurious (2.8 GHz to 10 GHz)	Spurious (10 GHz to 18 GHz)	Spurious (18 GHz to 26.5 GHz)
Horizontal	Z	Y	Z	X	X
Vertical	Y	Z	Z	X	X

*All conditions were performed with controller and without dock.

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 7: 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	display emission skirts	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	-	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 *2)
Conducted Spurious Emission *3) *4)	9 kHz to 150 kHz 150 kHz to 30 MHz	200 Hz 10 kHz	620 Hz 30 kHz	Auto	Peak	Max Hold	Spectrum Analyzer

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

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

*3) In the frequency range below 30 MHz, 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.

*4) 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.

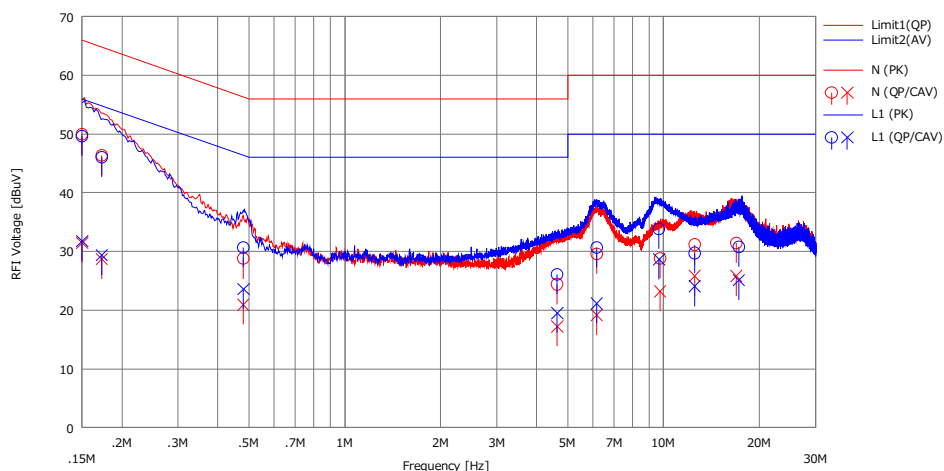
Test Data : APPENDIX
Test Result : Pass

APPENDIX 1: Test Data

Conducted Emission

Mode	Tx 11ax-20(OFDM)(SDM) 2412 MHz				
Date	September 11, 2025	Test site	SR2	Temperature	24 deg. C
				Humidity	59 % RH
				Engineer	Yusuke Tanikawara
				Power	AC 120 V / 60 Hz

Limit: FCC Part 15 Subpart C(15.207) / RSS-Gen 8.8



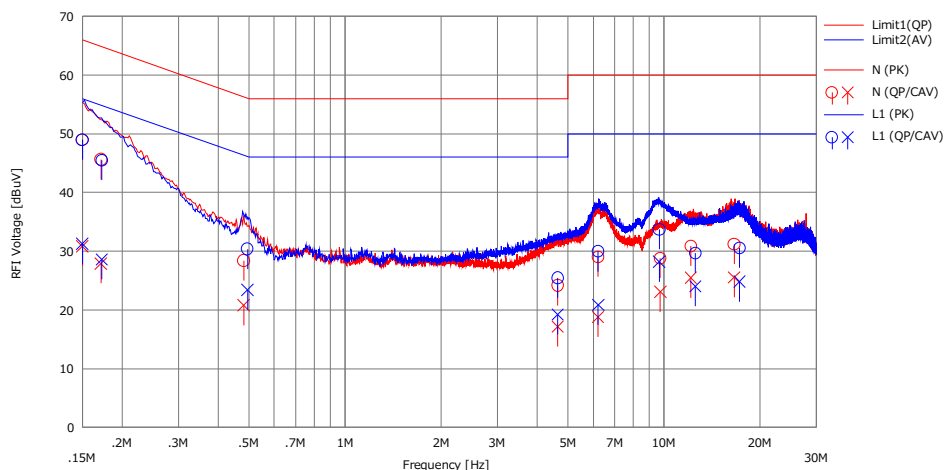
No.	Freq. [MHz]	Reading		C.Fac [dB]	Results		Limit		Margin		Phase	Comment
		(QP) [dBuV]	(CAV) [dBuV]		(QP) [dBuV]	(CAV) [dBuV]	(QP) [dBuV]	(AV) [dBuV]	(QP) [dB]	(AV) [dB]		
1	0.15000	34.72	16.18	15.23	49.95	31.41	66.00	56.00	16.0	24.5	N	
2	0.17290	31.08	13.44	15.25	46.33	28.69	64.82	54.82	18.4	26.1	N	
3	0.48030	13.47	5.65	15.29	28.76	20.94	56.33	46.33	27.5	25.3	N	
4	4.64060	8.67	1.49	15.71	24.38	17.20	56.00	46.00	31.6	28.8	N	
5	6.17150	13.65	3.25	15.88	29.53	19.13	60.00	50.00	30.4	30.8	N	
6	9.74550	12.60	6.99	16.22	28.82	23.21	60.00	50.00	31.1	26.7	N	
7	12.53100	14.68	9.35	16.46	31.14	25.81	60.00	50.00	28.8	24.1	N	
8	16.91840	14.66	9.05	16.76	31.42	25.81	60.00	50.00	28.5	24.1	N	
9	0.15000	34.40	16.53	15.22	49.62	31.75	66.00	56.00	16.3	24.2	L1	
10	0.17280	30.79	14.12	15.23	46.02	29.35	64.82	54.82	18.8	25.4	L1	
11	0.48130	15.38	8.32	15.27	30.65	23.59	56.32	46.32	25.6	22.7	L1	
12	4.64060	10.41	3.86	15.65	26.06	19.51	56.00	46.00	29.9	26.4	L1	
13	6.16870	14.83	5.35	15.79	30.62	21.14	60.00	50.00	29.3	28.8	L1	
14	9.67500	17.74	12.58	16.06	33.80	28.64	60.00	50.00	26.2	21.3	L1	
15	12.53170	13.45	7.81	16.25	29.70	24.06	60.00	50.00	30.3	25.9	L1	
16	17.21760	14.22	8.58	16.51	30.73	25.09	60.00	50.00	29.2	24.9	L1	

Calculation: Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN)+Cable+ATT)[dB]
LISN(AMN):LIMS ID 145539

Conducted Emission

Mode	Tx BT LE coded S = 8, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Power
September 11, 2025	SR2	24 deg. C	59 % RH	Yusuke Tanikawara	AC 120 V / 60 Hz

Limit: FCC Part 15 Subpart C(15.207) / RSS-Gen 8.8



No.	Freq. [MHz]	Reading		C.Fac [dB]	Results		Limit		Margin		Phase	Comment
		[dBUV]	[dBUV]		[dBUV]	[dBUV]	[dBUV]	[dBUV]	[dB]	[dB]		
1	0.15000	33.75	15.60	15.23	48.98	30.83	66.00	56.00	17.0	25.1	N	
2	0.17170	30.38	12.64	15.25	45.63	27.89	64.88	54.88	19.2	26.9	N	
3	0.48100	13.10	5.48	15.29	28.39	20.77	56.32	46.32	27.9	25.5	N	
4	4.64050	8.45	1.42	15.71	24.16	17.13	56.00	46.00	31.8	28.8	N	
5	6.21190	13.14	2.90	15.88	29.02	18.78	60.00	50.00	30.9	31.2	N	
6	9.74340	12.58	6.82	16.22	28.80	23.04	60.00	50.00	31.2	26.9	N	
7	12.14280	14.46	9.03	16.43	30.89	25.46	60.00	50.00	29.1	24.5	N	
8	16.59330	14.45	8.77	16.75	31.20	25.52	60.00	50.00	28.8	24.4	N	
9	0.15000	33.76	16.04	15.22	48.98	31.26	66.00	56.00	17.0	24.7	L1	
10	0.17280	30.25	13.36	15.23	45.48	28.59	64.82	54.82	19.3	26.2	L1	
11	0.49420	15.11	8.13	15.27	30.38	23.40	56.10	46.10	25.7	22.7	L1	
12	4.64050	9.81	3.58	15.65	25.46	19.23	56.00	46.00	30.5	26.7	L1	
13	6.21850	14.17	5.04	15.79	29.96	20.83	60.00	50.00	30.0	29.1	L1	
14	9.66380	17.62	12.14	16.06	33.68	28.20	60.00	50.00	26.3	21.8	L1	
15	12.52430	13.44	7.74	16.25	29.69	23.99	60.00	50.00	30.3	26.0	L1	
16	17.24110	14.03	8.29	16.52	30.55	24.81	60.00	50.00	29.4	25.1	L1	

Calculation: Result[dBuV]=Reading[dBuV]+C.Fac(LISN(AMN)+Cable+ATT)[dB]
LISN(AMN): LIMS ID 145539

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
August 22, 2025	MR1	24 deg.C	54 %RH	Masahide Ozaki
July 22, 2025	MR1	24 deg.C	45 %RH	Miku Ikudome

11b

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	12410.2	7.491	> 0.5000
2437	12548.3	7.484	> 0.5000
2462	12531.4	7.493	> 0.5000
2472	12436.7	7.471	> 0.5000

11g

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	16390.4	15.979	> 0.5000
2437	16398.1	15.718	> 0.5000
2462	16397.8	15.718	> 0.5000
2472	16387.6	15.713	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

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

Date	Test Place	Temperature	Humidity	Engineer
July 22, 2025	MR1	24 deg.C	45 %RH	Miku Ikudome
July 23, 2025	MR1	24 deg.C	46 %RH	Miku Ikudome

11n-20(SDM)

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	17610.1	15.164	> 0.5000
2437	17599.1	15.156	> 0.5000
2462	17604.4	15.732	> 0.5000
2472	17594.1	15.157	> 0.5000

11ax-20(OFDM)(SDM)

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	18941.4	19.062	> 0.5000
2437	18955.8	19.097	> 0.5000
2462	18972.5	19.133	> 0.5000
2472	18945.7	19.100	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

Mode	Tx			
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Date	Test Place	Temperature	Humidity	Engineer
July 23, 2025	MR1	24 deg.C	46 %RH	Miku Ikudome

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

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	0	18264.0	2.088	> 0.5000
2437	4	17154.1	2.612	> 0.5000
2462	8	18190.3	2.090	> 0.5000
2472	8	18175.7	2.094	> 0.5000

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

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	37	18006.0	3.967	> 0.5000
2437	38	17069.1	4.004	> 0.5000
2462	40	18006.7	3.986	> 0.5000
2472	40	17983.7	4.087	> 0.5000

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

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	53	18078.0	8.351	> 0.5000
2437	53	18081.5	8.360	> 0.5000
2462	54	18104.3	8.366	> 0.5000
2472	54	18088.9	8.386	> 0.5000

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

Tested Frequency [MHz]	RU Index	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2412	61	18916.8	19.147	> 0.5000
2437	61	18934.7	19.124	> 0.5000
2462	61	18947.2	19.118	> 0.5000
2472	61	18927.1	19.140	> 0.5000

99 % Occupied Bandwidth and 6 dB Bandwidth

Mode	Tx			
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Date	Test Place	Temperature	Humidity	Engineer
August 25, 2025	MR1	25 deg.C	52 %RH	Yosuke Murakami

BT LE coded S = 8

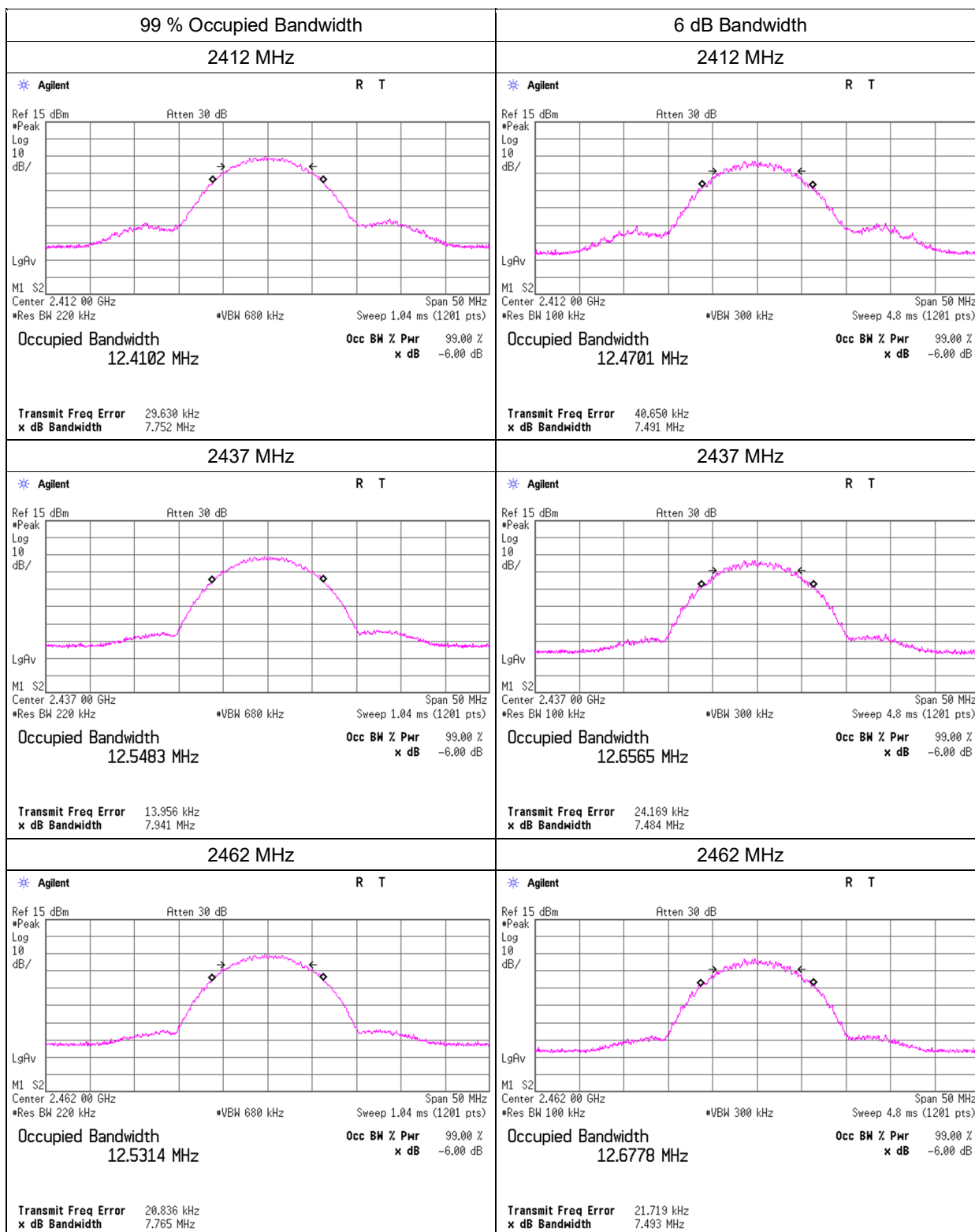
Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2402	1054.3	0.688	> 0.5000
2440	1054.2	0.688	> 0.5000
2480	1053.3	0.689	> 0.5000

BT LE 2M-PHY

Tested Frequency [MHz]	99 % Occupied Bandwidth [kHz]	6 dB Bandwidth [MHz]	Limit for 6 dB Bandwidth [MHz]
2402	2069.6	1.194	> 0.5000
2440	2066.3	1.187	> 0.5000
2480	2067.2	1.177	> 0.5000

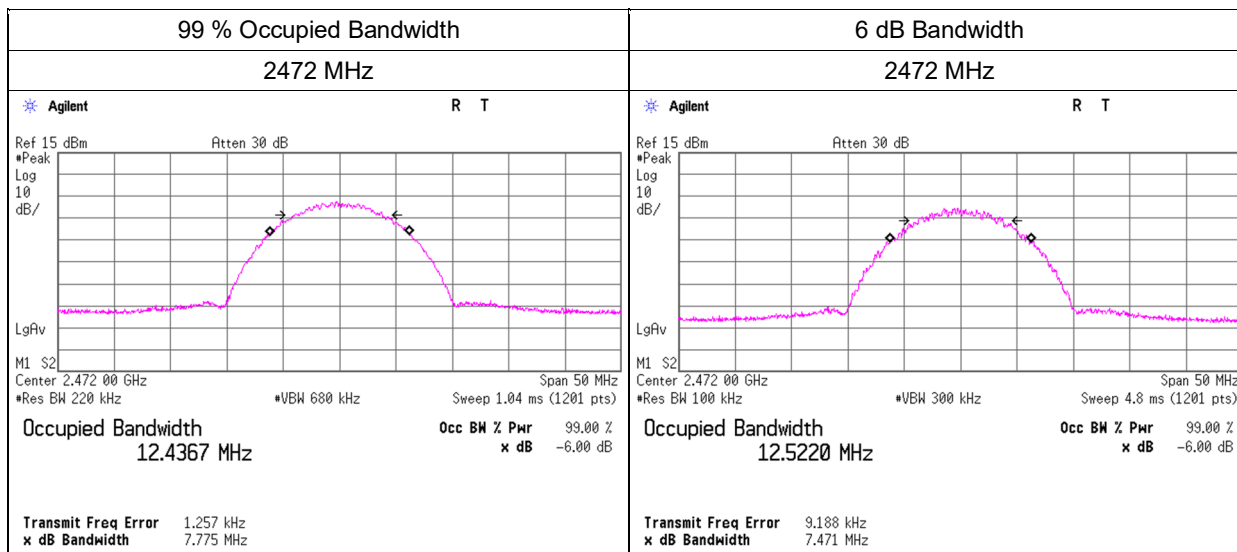
99 % Occupied Bandwidth and 6 dB Bandwidth

11b



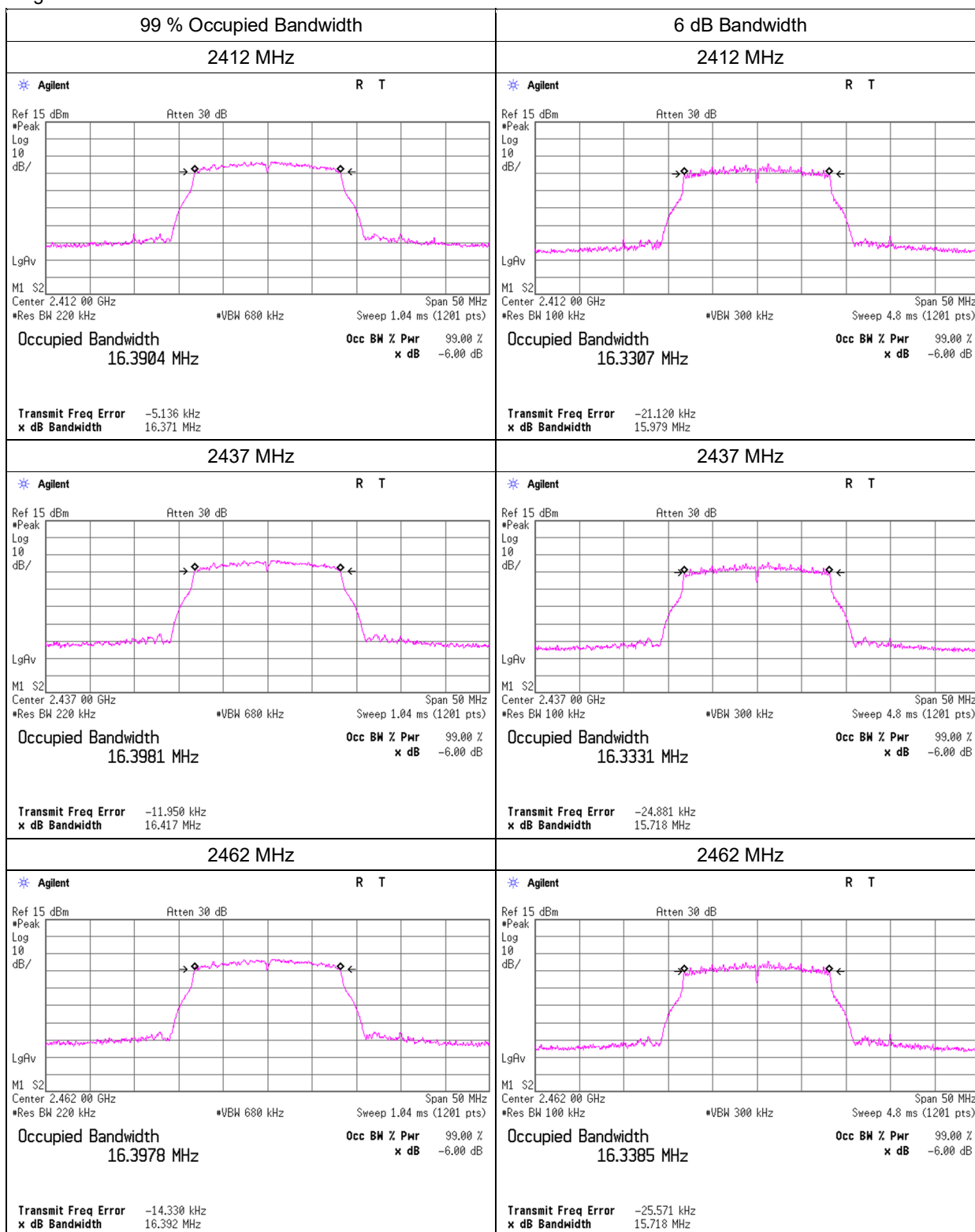
99 % Occupied Bandwidth and 6 dB Bandwidth

11b



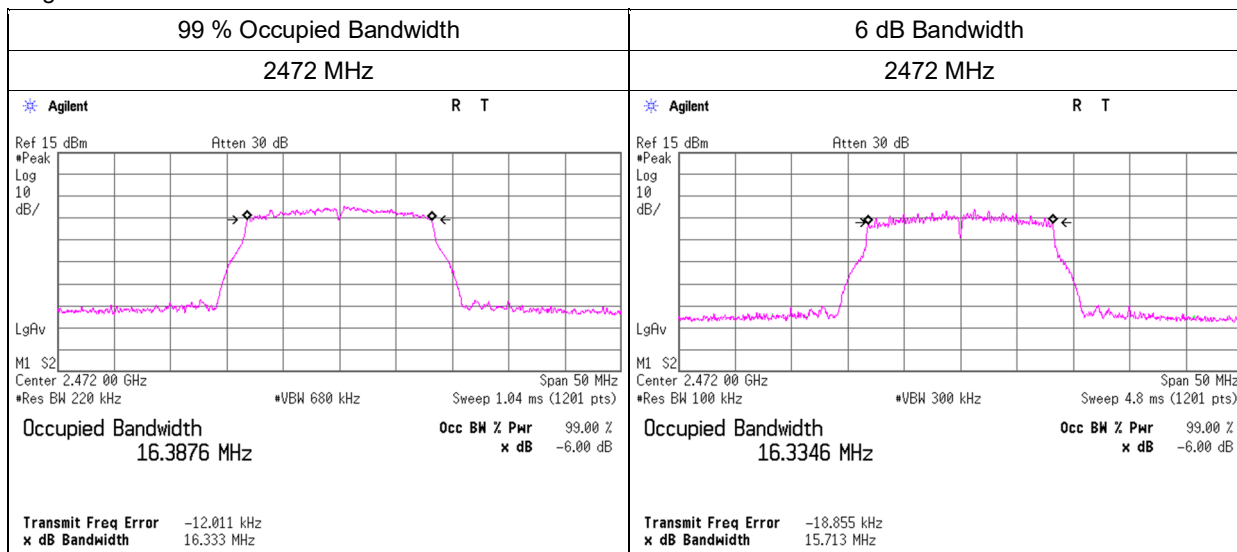
99 % Occupied Bandwidth and 6 dB Bandwidth

11g



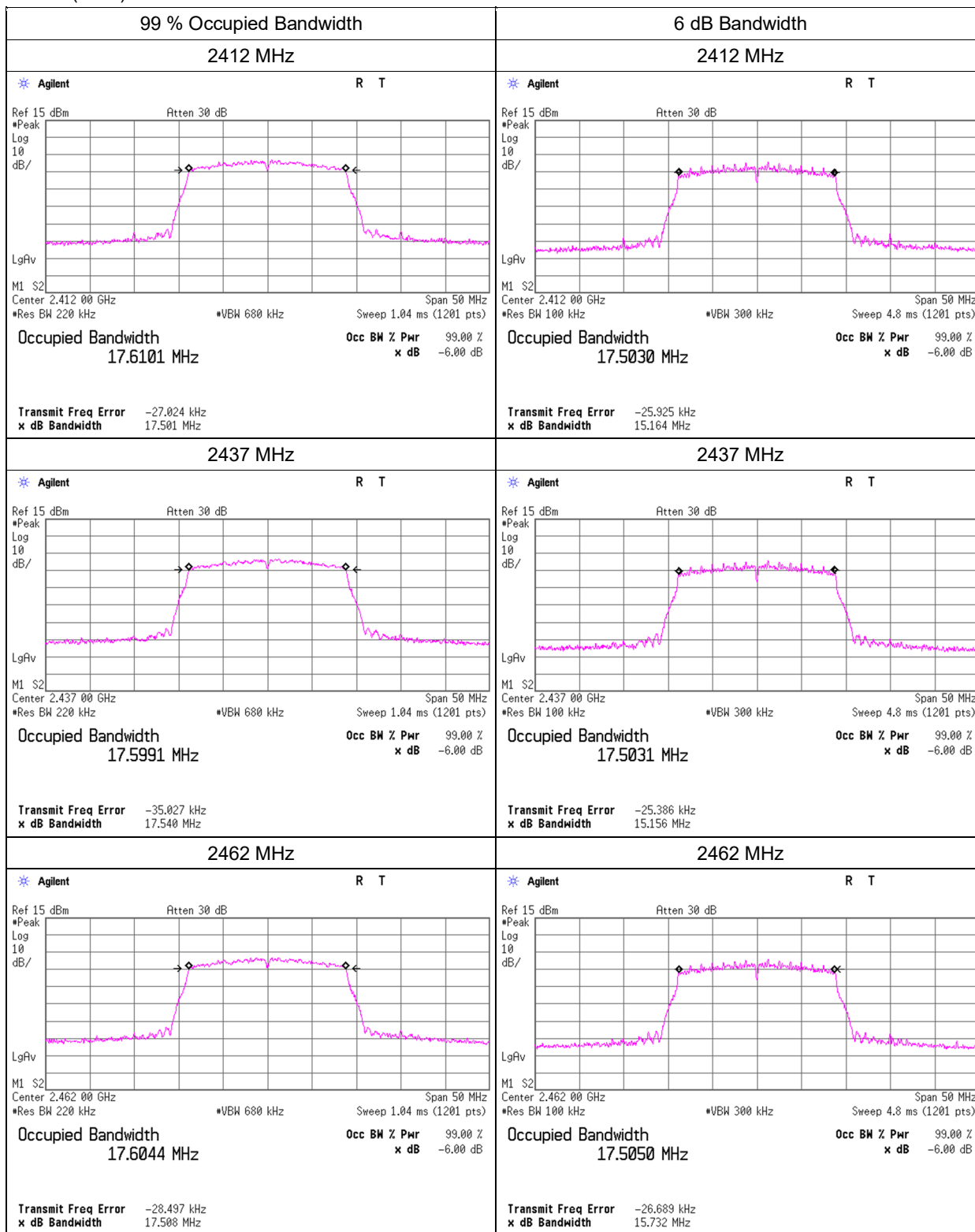
99 % Occupied Bandwidth and 6 dB Bandwidth

11g



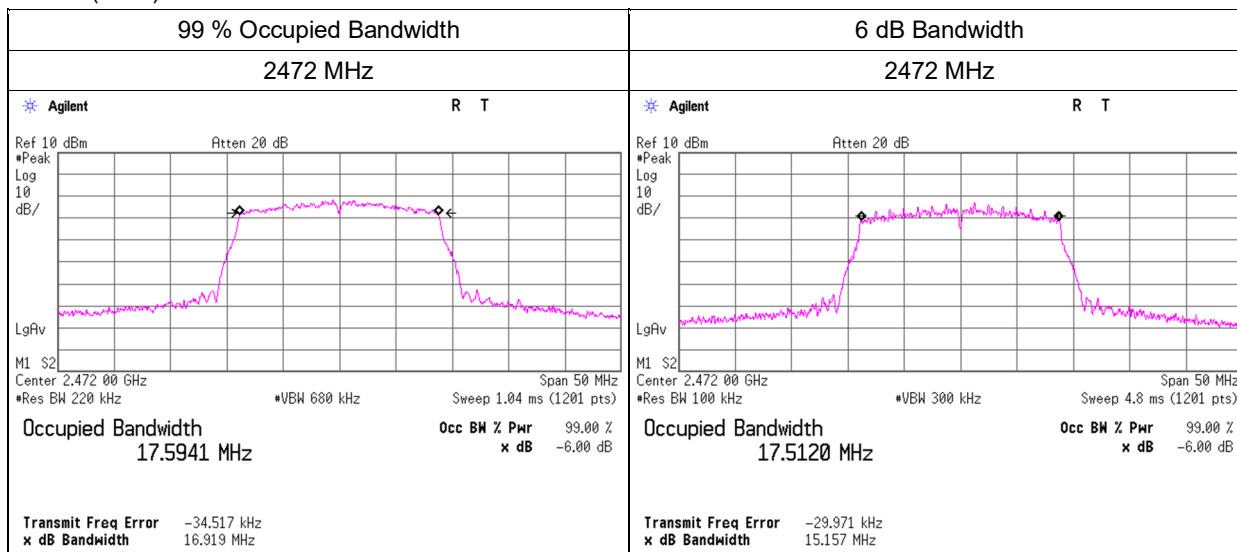
99 % Occupied Bandwidth and 6 dB Bandwidth

11n-20(SDM)



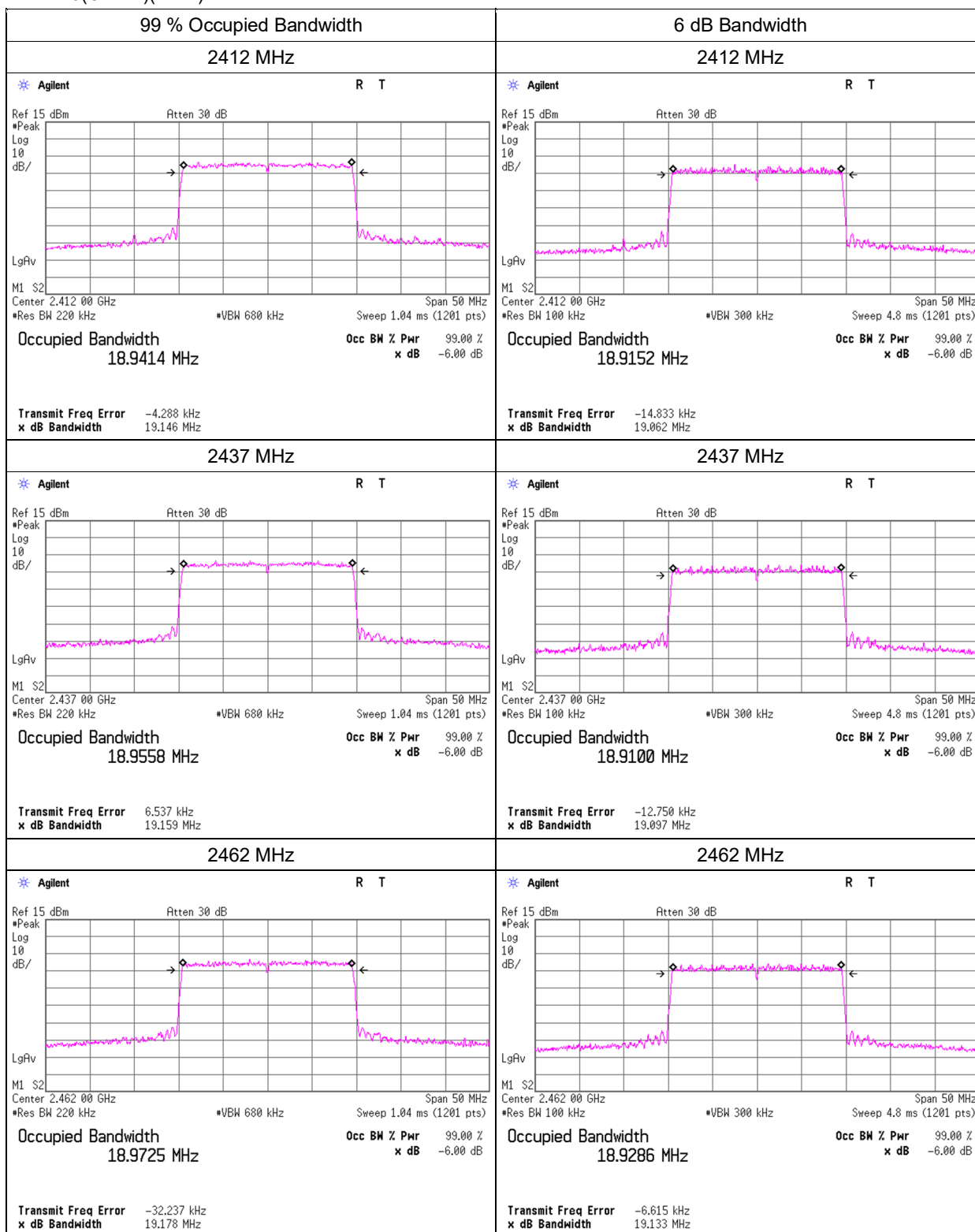
99 % Occupied Bandwidth and 6 dB Bandwidth

11n-20(SDM)



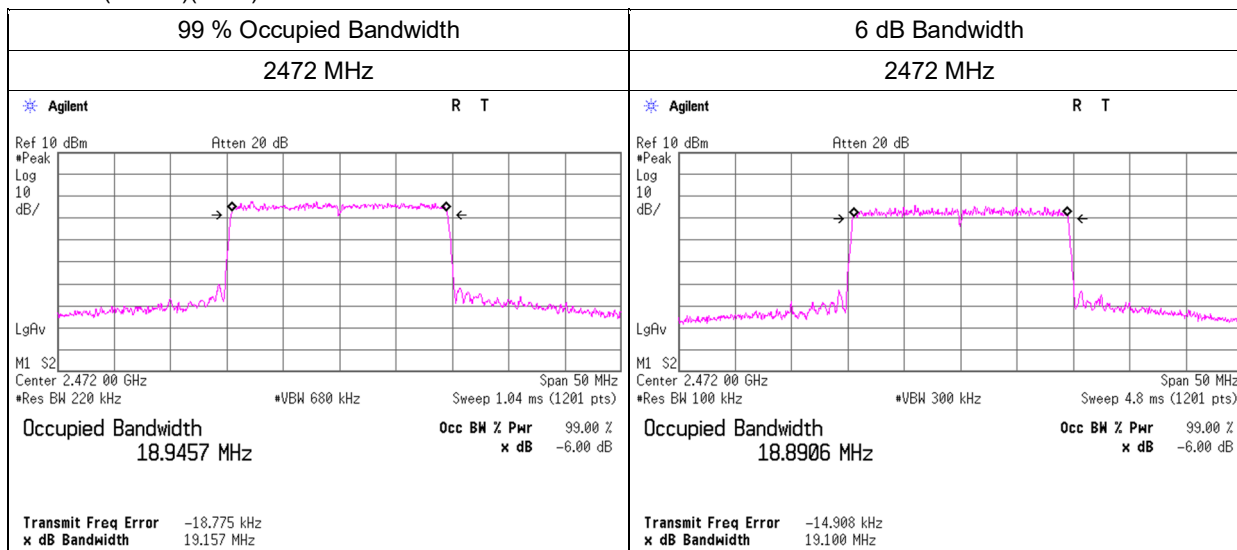
99 % Occupied Bandwidth and 6 dB Bandwidth

11ax-20(OFDM)(SDM)



99 % Occupied Bandwidth and 6 dB Bandwidth

11ax-20(OFDM)(SDM)



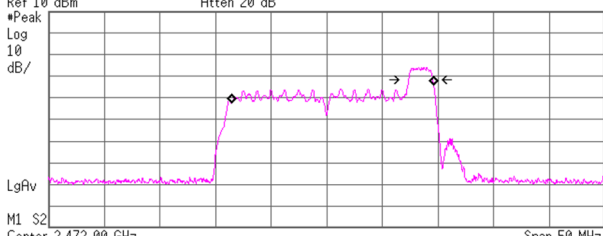
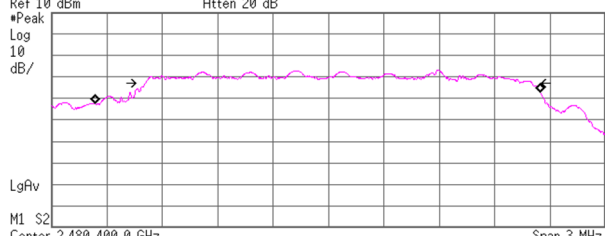
99 % Occupied Bandwidth and 6 dB Bandwidth

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

99 % Occupied Bandwidth	6 dB Bandwidth
2412 MHz	2412 MHz
RU Index 0	RU Index 0
Agilent R T Ref 15 dBm Atten 30 dB Occupied Bandwidth 18.2640 MHz Transmit Freq Error -543.105 kHz x dB Bandwidth 2.186 MHz	Agilent R T Ref 15 dBm Atten 30 dB Occupied Bandwidth 2.4097 MHz Transmit Freq Error 36.714 kHz x dB Bandwidth 2.088 MHz
2437 MHz	2437 MHz
RU Index 4	RU Index 4
Agilent R T Ref 15 dBm Atten 30 dB Occupied Bandwidth 17.1541 MHz Transmit Freq Error 10.436 kHz x dB Bandwidth 2.769 MHz	Agilent R T Ref 15 dBm Atten 30 dB Occupied Bandwidth 2.7373 MHz Transmit Freq Error -7.884 kHz x dB Bandwidth 2.612 MHz
2462 MHz	2462 MHz
RU Index 8	RU Index 8
Agilent R T Ref 15 dBm Atten 30 dB Occupied Bandwidth 18.1903 MHz Transmit Freq Error 527.938 kHz x dB Bandwidth 2.158 MHz	Agilent R T Ref 15 dBm Atten 30 dB Occupied Bandwidth 2.3281 MHz Transmit Freq Error -138.028 kHz x dB Bandwidth 2.090 MHz

99 % Occupied Bandwidth and 6 dB Bandwidth

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

99 % Occupied Bandwidth	6 dB Bandwidth
2472 MHz	2472 MHz
RU Index 8	RU Index 8
Agilent R T Ref 10 dBm Atten 20 dB Peak Log 10 dB/  LgAv M1 S2 Center 2.472 00 GHz Span 50 MHz Res BW 220 kHz VBW 600 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.1757 MHz Occ BW % PMR 99.00 % x dB -6.00 dB Transmit Freq Error 536.686 kHz x dB Bandwidth 2.152 MHz	Agilent R T Ref 10 dBm Atten 20 dB Peak Log 10 dB/  LgAv M1 S2 Center 2.480 400 0 GHz Span 3 MHz Res BW 100 kHz VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 2.4133 MHz Occ BW % PMR 99.00 % x dB -6.00 dB Transmit Freq Error -58.718 kHz x dB Bandwidth 2.094 MHz

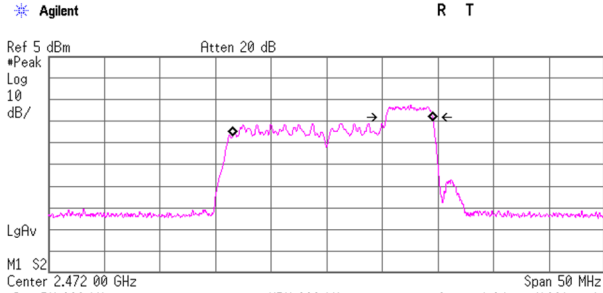
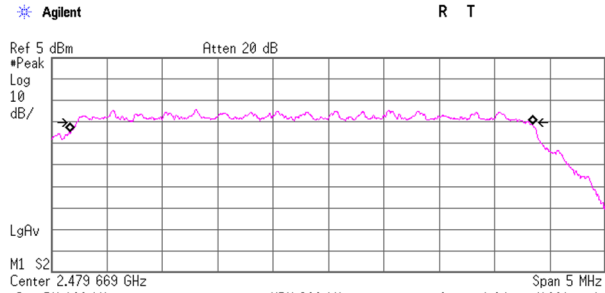
99 % Occupied Bandwidth and 6 dB Bandwidth

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

99 % Occupied Bandwidth	6 dB Bandwidth
2412 MHz	2412 MHz
RU Index 37	RU Index 37
Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.412 00 GHz Span 50 MHz #Res BW 220 kHz #VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.0060 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -533.179 kHz x dB Bandwidth 4.129 MHz	Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.404 578 GHz Span 5 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 4.5437 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 134.854 kHz x dB Bandwidth 3.967 MHz
2437 MHz	2437 MHz
RU Index 38	RU Index 38
Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.437 00 GHz Span 50 MHz #Res BW 220 kHz #VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 17.0691 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -18.039 kHz x dB Bandwidth 4.159 MHz	Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.433 719 GHz Span 5 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 4.4659 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 6.586 kHz x dB Bandwidth 4.004 MHz
2462 MHz	2462 MHz
RU Index 40	RU Index 40
Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.462 00 GHz Span 50 MHz #Res BW 220 kHz #VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.0067 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 539.638 kHz x dB Bandwidth 4.173 MHz	Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.469 500 GHz Span 5 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 4.2982 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -146.060 kHz x dB Bandwidth 3.986 MHz

99 % Occupied Bandwidth and 6 dB Bandwidth

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

99 % Occupied Bandwidth	6 dB Bandwidth
2472 MHz	2472 MHz
RU Index 40	RU Index 40
 Ref 5 dBm Atten 20 dB Peak Log 10 dB/ LgAv M1 S2 Center 2.472 00 GHz Res BW 220 kHz Span 50 MHz VBW 600 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 17.9837 MHz Occ BW % PMR 99.00 % x dB -6.00 dB Transmit Freq Error 556.068 kHz x dB Bandwidth 4.170 MHz	 Ref 5 dBm Atten 20 dB Peak Log 10 dB/ LgAv M1 S2 Center 2.479 669 GHz Res BW 100 kHz Span 5 MHz VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 4.1746 MHz Occ BW % PMR 99.00 % x dB -6.00 dB Transmit Freq Error -246.195 kHz x dB Bandwidth 4.087 MHz

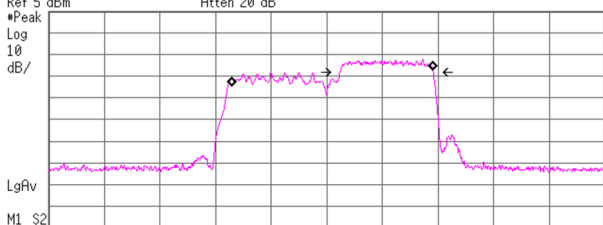
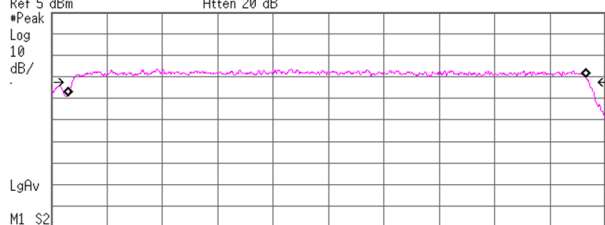
99 % Occupied Bandwidth and 6 dB Bandwidth

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

99 % Occupied Bandwidth	6 dB Bandwidth
2412 MHz	2412 MHz
RU Index 53	RU Index 53
Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.412 00 GHz Span 50 MHz #Res BW 220 kHz #VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.0780 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -506.296 kHz x dB Bandwidth 17.164 MHz	Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.406 609 4 GHz Span 9 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 8.3740 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 35.288 kHz x dB Bandwidth 8.351 MHz
2437 MHz	2437 MHz
RU Index 53	RU Index 53
Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.437 00 GHz Span 50 MHz #Res BW 220 kHz #VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.0815 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -515.938 kHz x dB Bandwidth 17.111 MHz	Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.431 609 4 GHz Span 9 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 8.4078 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 50.289 kHz x dB Bandwidth 8.360 MHz
2462 MHz	2462 MHz
RU Index 54	RU Index 54
Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.462 00 GHz Span 50 MHz #Res BW 220 kHz #VBW 680 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.1043 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error 481.769 kHz x dB Bandwidth 12.096 MHz	Agilent R T Ref 15 dBm Atten 30 dB #Peak Log 10 dB/ LgAv M1 S2 Center 2.467 468 8 GHz Span 9 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 8.3241 MHz Occ BW % Pwr 99.00 % x dB -6.00 dB Transmit Freq Error -127.690 kHz x dB Bandwidth 8.366 MHz

99 % Occupied Bandwidth and 6 dB Bandwidth

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

99 % Occupied Bandwidth	6 dB Bandwidth
2472 MHz	2472 MHz
RU Index 54	RU Index 54
Agilent R T Ref 5 dBm •Peak Log 10 dB/ Atten 20 dB  LgAv M1 S2 Center 2.472 00 GHz •Res BW 220 kHz •VBW 600 kHz Span 50 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 18.0889 MHz Occ BW % PMR 99.00 % x dB -6.00 dB Transmit Freq Error 490.089 kHz x dB Bandwidth 8.313 MHz	Agilent R T Ref 5 dBm •Peak Log 10 dB/ Atten 20 dB  LgAv M1 S2 Center 2.477 319 4 GHz •Res BW 100 kHz •VBW 300 kHz Span 9 MHz Sweep 1.04 ms (1201 pts) Occupied Bandwidth 8.4191 MHz Occ BW % PMR 99.00 % x dB -6.00 dB Transmit Freq Error -23.399 kHz x dB Bandwidth 8.386 MHz