

TEST REPORT

Applicant: Datalogic S.r.l.
EUT Description: MOBILE COMPUTER/BARCODE READER
Model: CMFSWF
Brand: DATALOGIC
FCC ID: U4G-CMFSWF
Standards: FCC 47 CFR Part 15 Subpart C
Date of Receipt: 2026/01/20
Date of Test: 2026/01/20 to 2026/03/12
Date of Issue: 2026/03/12

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.



Jim Huang
Approved By:



Carey Chen
Reviewed By:

Revision History

Rev.	Issue Date	Description	Revised by
01	2026/03/12	Original	Carey Chen

Summary of Test Results

Clause	FCC Part	Test Items	Result
4.1	§15.203/15.247(b)	Antenna Requirement	PASS
4.2	§15.207	AC Power Line Conducted Emission	PASS
4.3	§15.247 (b)(3)	Output Power	PASS
4.4	§15.247 (a)(2)	Occupied Bandwidth	Reporting purposes only
4.5	§15.247 (e)	Power Spectral Density	PASS
4.6	§15.247(d)	Band Edge for Conducted Emissions	PASS
4.7	§15.247(d)	Spurious RF Conducted Emissions	PASS
4.8	§15.205/15.209	Radiated Spurious emissions and Band Edge	PASS
Test Method: ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, KDB 558074 D01 15.247 Mesa Guidance v05r02. Remark: Pass is EUT meets standard requirements.			

Table of Contents

1	General Description	5
1.1	Lab Information	5
1.1.1	Testing Location	5
1.1.2	Test Facility / Accreditations	5
1.2	Client Information.....	5
1.2.1	Applicant.....	5
1.2.2	Manufacturer	5
1.3	Product Information	6
2	Test Configuration	7
2.1	Test Channel	7
2.2	Worst-case configuration and Mode	7
2.3	Support Unit used in test.....	8
2.4	Test Environment	8
2.5	Test RF Cable.....	8
2.6	Modifications	8
2.7	Test Setup Diagram.....	9
2.7.1	Conducted Configuration	9
2.7.2	Radiated Configuration	10
3	Equipment and Measurement Uncertainty.....	12
3.1	Test Equipment List	12
3.2	Measurement Uncertainty	14
4	Test Results.....	15
4.1	Antenna Requirement	15
4.2	AC Power Line Conducted Emissions	16
4.3	Output Power	19
4.4	Occupied Bandwidth.....	20
4.5	Power Spectral Density	21
4.6	Band Edge for Conducted Emissions.....	22
4.7	Spurious RF Conducted Emissions	23
4.8	Radiated Spurious Emissions and Band Edge	24
5	Test Setup Photos.....	26
	Appendix.....	27

1 General Description

1.1 Lab Information

1.1.1 Testing Location

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014

Tel.: +86-755-27212361

Contact Email: info@towewireless.com

1.1.2 Test Facility / Accreditations

A2LA (Certificate Number: 7088.01)

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

FCC Designation No.: CN1353

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized as an accredited testing laboratory.

Test Firm Registration Number: 684095

Designation Number: CN1353.

ISED CAB identifier: CN0152

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0152

Company Number: 31000

1.2 Client Information

1.2.1 Applicant

Applicant:	Datalogic S.r.l.
Address:	Via San Vitalino, 13 40012 Lippo di Calderara di Reno (BO) - Italy

1.2.2 Manufacturer

Manufacturer:	Datalogic S.r.l.
Address:	Via San Vitalino, 13 40012 Lippo di Calderara di Reno (BO) - Italy

1.3 Product Information

EUT Description:	MOBILE COMPUTER/BARCODE READER		
Model:	CMFSWF		
Brand:	DATALOGIC		
Hardware Version:	V3		
Software Version:	3.23.005.20260209 release-keys		
SN.:	RF Conducted	ffa67711	
	RSE & AC power line	17aba958	
Modulation Type:	802.11b:	DSSS-DBPSK, DQPSK, CCK	
	802.11g/n:	OFDM-BPSK, QPSK, 16QAM, 64QAM	
	802.11ax:	OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM	
Smart System:	☐ SISO	802.11b/g/n/ax	/
	☒ MIMO	802.11n/ax	(2)TX(2)RX
	☒ CDD	802.11b/g	(2)TX(2)RX
Frequency Range:	2400 ~ 2483.5MHz		
Partial RU:	☒ Support	☐ No Support	
Channel Frequency:	20M bandwidth Channel: 2412 ~ 2462MHz 40M bandwidth Channel: 2422 ~ 2452MHz		
Channel Number:	11:	802.11b/g/n20/ax20	
	7:	802.11n40/ax40	
Antenna Type:	☐ External, ☒ Integrated		
Antenna Gain:	Ant2 (dBi)	Ant3 (dBi)	
	-2.2	-2.0	
Remark: The above EUT's information was declared by applicant, please refer to the specifications or user's manual for more detailed description.			

2 Test Configuration

2.1 Test Channel

Frequency Channels							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz	/	

Remark:
In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Modulation Type	Test Channel	Test Frequency
802.11b/g/n20 /ax20	The Lowest channel (CH1)	2412MHz
	The Middle channel (CH6)	2437MHz
	The Highest channel (CH11)	2462MHz
Modulation Type	Test Channel	Test Frequency
802.11n40 /ax40	The Lowest channel (CH3)	2422MHz
	The Middle channel (CH6)	2437MHz
	The Highest channel (CH9)	2452MHz

2.2 Worst-case configuration and Mode

Modulation Type	SISO - Data Rate	CDD/MIMO(2)TX(2)RX Data Rate
802.11b	N/A	2 Mbps
802.11g	N/A	12 Mbps
802.11n20	N/A	MCS0 (13 Mbps)
802.11n40	N/A	MCS0 (27 Mbps)
802.11ax20	N/A	MCS0 (17.2 Mbps)
802.11ax40	N/A	MCS0 (34.4 Mbps)
Transmitting mode:	Keep the EUT was programmed to be in continuously transmitting mode.	
Normal Link:	Keep the EUT operation to normal function.	

RU Types & Channel Bandwidth:

RU Types	ax20	ax40
26-tone RU	26 tone_0 / 26 tone_8	/
52-tone RU	52 tone_37 / 52 tone_40	/
106-tone RU	106 tone_53 / 106 tone_54	/
242-tone RU	/	242 tone 61 242 tone 62

2.3 Support Unit used in test

The EUT has been tested as an independent unit.

2.4 Test Environment

Temperature:	Normal: 15°C ~ 35°C
Humidity:	45 ~ 56 % RH Ambient
Voltage:	DC 3.8V
AC Voltage:	AC 120V/60Hz for Conducted Emissions
Remark: The testing environment is within the scope of the EUT user manual and meets the requirements of the standard testing environment.	

2.5 Test RF Cable

For all conducted test items: The offset level is set spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

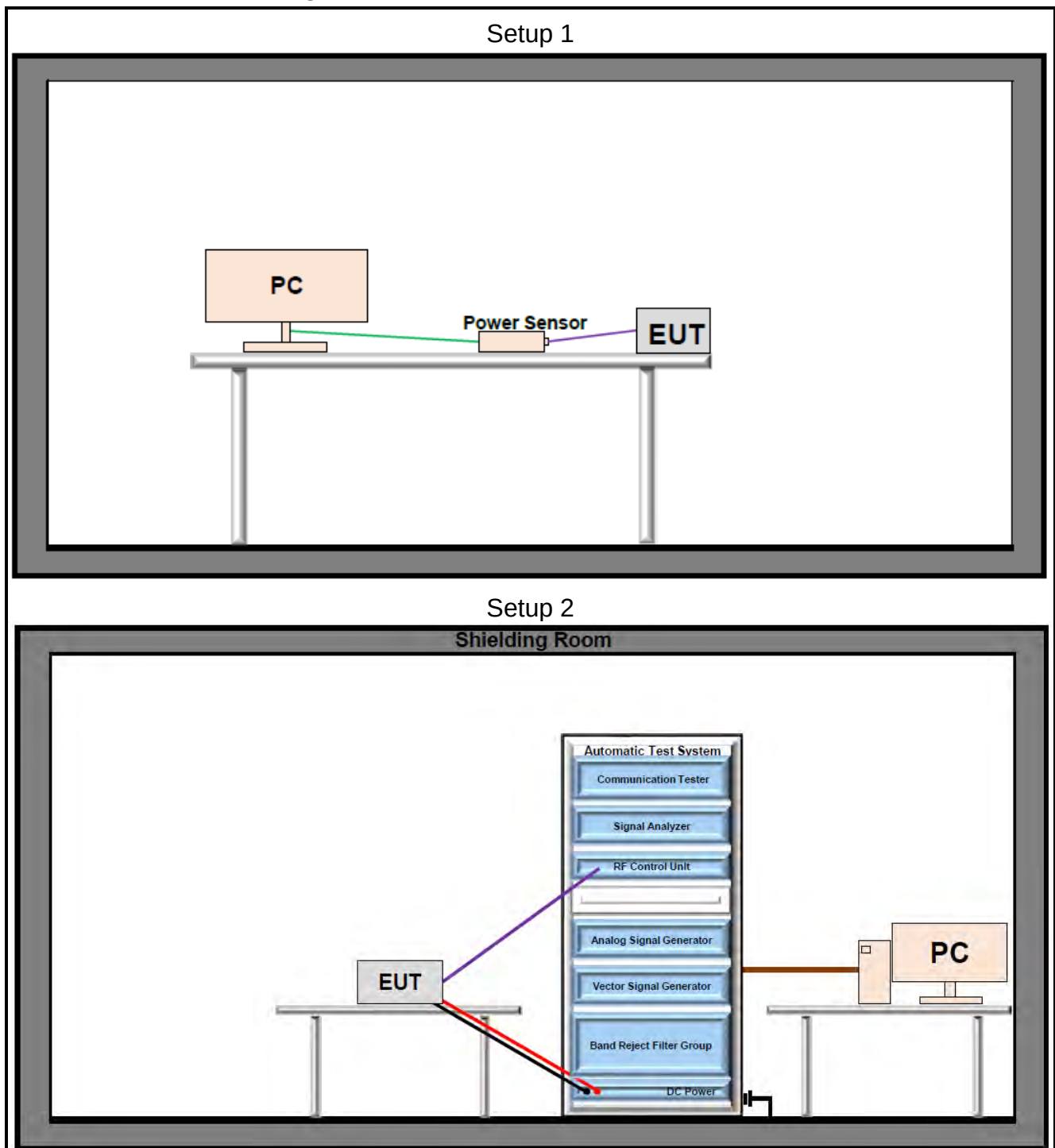
Offset = RF cable loss + attenuator factor.

2.6 Modifications

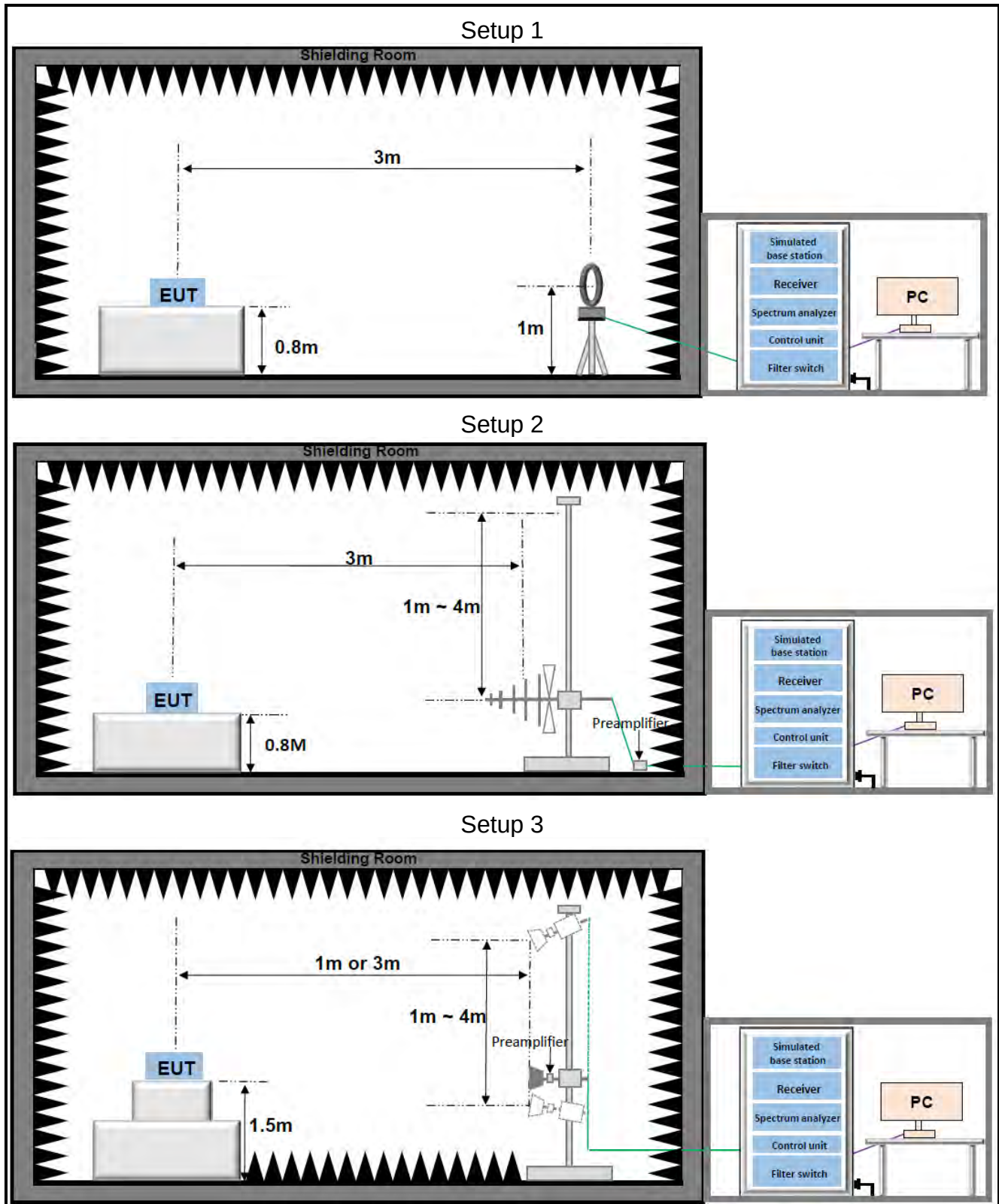
No modifications were made during testing.

2.7 Test Setup Diagram

2.7.1 Conducted Configuration



2.7.2 Radiated Configuration



Directional gain calculations:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices

$$\text{Array Gain} = 10 \log(N_{ANT}/N_{SS}=1) \text{ dB}$$

- For power measurements on IEEE 802.11 devices:

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for } N_{ANT} \leq 4;$$

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for channel widths } \geq 40 \text{ MHz for any } N_{ANT};$$

$$\text{Array Gain} = 5 \log(N_{ANT}/N_{SS}=1) \text{ dB or } 3 \text{ dB, whichever is less, for 20-MHz channel widths with } N_{ANT} \geq 5.$$

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N$ dBi

- If transmit signals are correlated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]}$$

- If all transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

The Power and PSD limit should be modified if the directional gain of EUT is over 6dBi.

The EUT supports CDD System.

Unequal antenna gain:

Transmit signals are completely uncorrelated					
ANT Gain2 (dBi)	ANT Gain3 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)	Power Limit Reduction (dBm)	PSD Limit Reduction (dBm)
-2.2	-2.0	-2.0	-2.10	0	0

3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable to recognized national standards.

3.1 Test Equipment List

RF Conducted					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
Signal Analyzer	Keysight	N9020A	US46470429	2025/03/14	2026/03/13
				2026/03/05	2027/03/04
Signal Generator	R&S	SMR20	101027	2025/03/11	2026/03/10
				2026/03/05	2027/03/04
Vector Signal Generator	R&S	SMM100A	549353	2025/05/29	2026/05/28
Power Sensor	Anritsu	MA24408A	12520	2025/05/29	2026/05/28
RF Control Unit	Tonscend	JS0806-2	23C80620671	2025/05/29	2026/05/28
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2025/05/29	2026/05/28
Attenuator	Yin Saige	SMA-10dBm	N/A	N/A	N/A
Measurement Software	Tonscend	TS1120-3	10659	N/A	N/A

Radiated Emission					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
Biconic Logarithmic Periodic Antennas	Schwarzbeck	VULB9163	1643	2023/06/25	2026/06/24
Double-Ridged Horn Antennas	Schwarzbeck	BBHA 9120D	2809	2023/06/25	2026/06/24
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	1290	2023/06/25	2026/06/24
Loop Antenna	Schwarzbeck	FMZB 1519C	1519C-028	2023/06/29	2026/06/28
Signal Analyzer*	Keysight	N9020A	MY49100252	2025/03/11	2026/03/10
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2025/05/29	2026/05/28
Wideband Radio Communication Tester*	R&S	CMW500	150645	2025/03/11	2026/03/10
Low Noise Amplifier	Tonscend	TAP9K3G40	AP23A8060273	2025/03/11	2027/03/10
Low Noise Amplifier	Tonscend	TAP01018050	AP22G806258	2025/03/11	2027/03/10
Low Noise Amplifier	Tonscend	TAP18040048	AP22G806247	2025/03/11	2027/03/10
Hygrometer	BINGYU	HTC-1	N/A	2025/07/25	2026/07/24
Band Reject Filter Group	Townshend	JS0806-F	23A806F0652	N/A	N/A
Test Software	Tonscend	TS+	Version: 5.0.0	N/A	N/A
Remark: *There were no test after 2026/03/10.					

Conducted Emission					
Description	Manufacturer	Model	S.N.	Last Due	Cal Due
EMI Tester Receiver	Rohde & Schwarz	ESR3	103108	2025/05/29	2026/05/28
LISN	Rohde & Schwarz	ENV 216	102836	2026/01/19	2027/01/18
Test software	Rohde & Schwarz	ELEKTRA V4.61	N/A	N/A	N/A

3.2 Measurement Uncertainty

Parameter	U_{lab}
Frequency Error	679.98Hz
Output Power	0.76dB
Conducted Spurious Emissions	2.22dB
Conducted Emissions(150kHz~30MHz)	2.43dB
Radiated Emissions(9kHz~30MHz)	2.40dB
Radiated Emissions(30MHz~1000MHz)	4.66dB
Radiated Emissions(1GHz~18GHz)	5.42dB
Radiated Emissions(18GHz~40GHz)	5.46dB

Uncertainty figures are valid to a confidence level of 95%

4 Test Results

4.1 Antenna Requirement

Standard Applicable:	47 CFR Part 15C Section 15.203 /247(b)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
The antenna gain and type as provided by the manufacturer are as follows: The antenna Type is Integrated. With Antenna gain is -2.2dBi(Ant2); -2.0dBi(Ant3); Antenna Anti-Replacement Construction: An embedded-in antenna design is used.	

4.2 AC Power Line Conducted Emissions

Limits

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

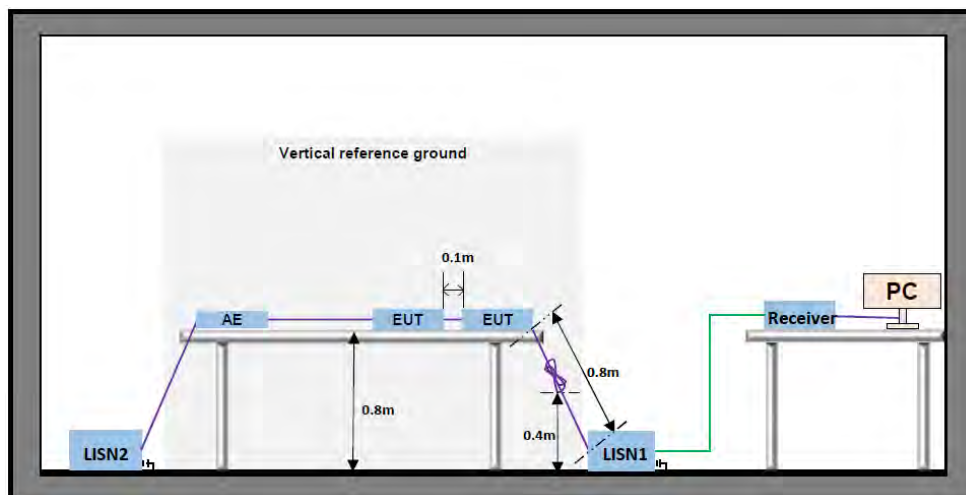
Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, Section 6.2.

Test Settings

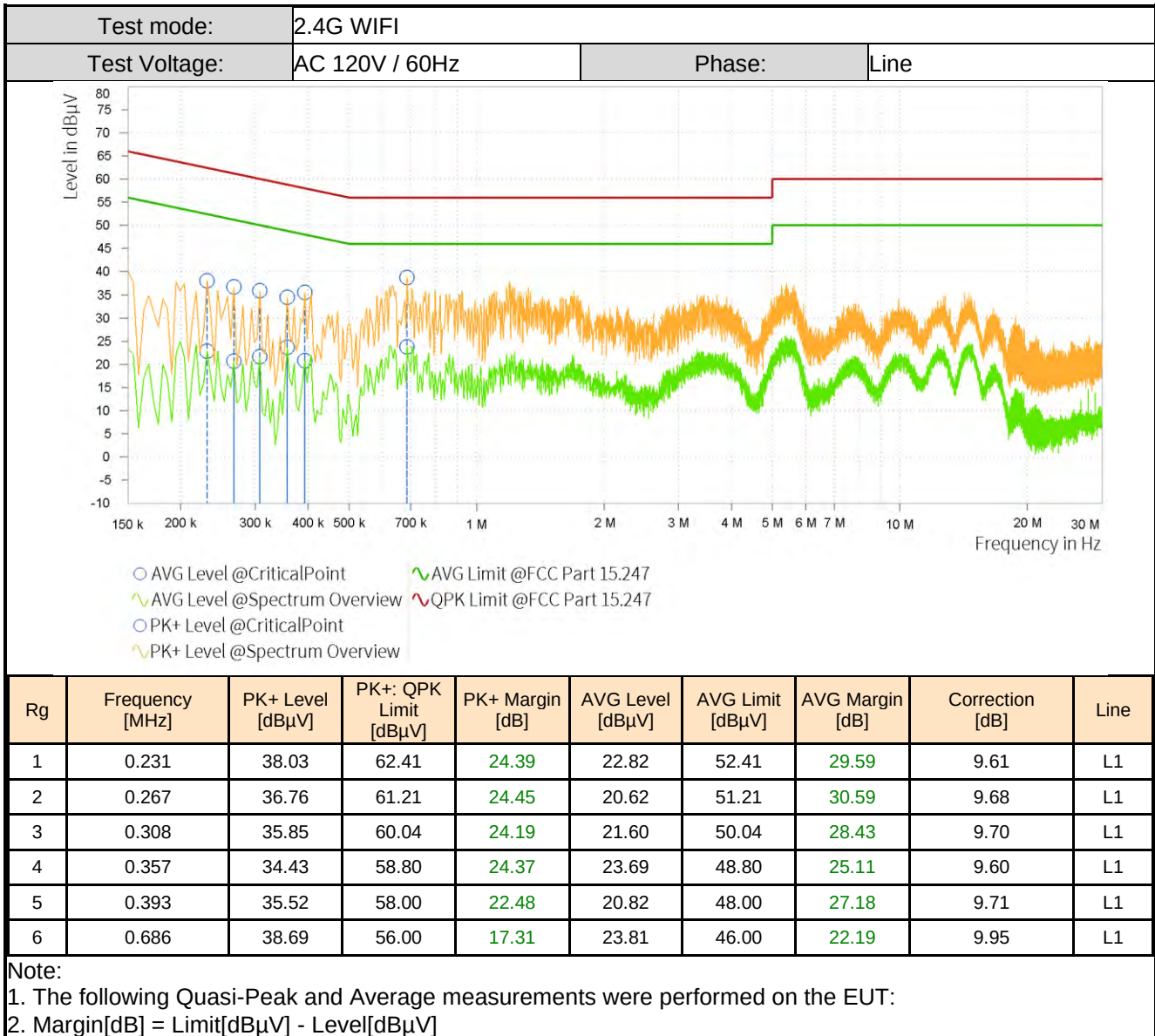
1. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
2. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
3. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
4. Set the test-receiver system to Peak detect function and specified bandwidth (if bandwidth =9kHz) with maximum hold mode. Then measurement is also conducted by average detector and Quasi-Peak detector function respectively.
5. Both sides of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

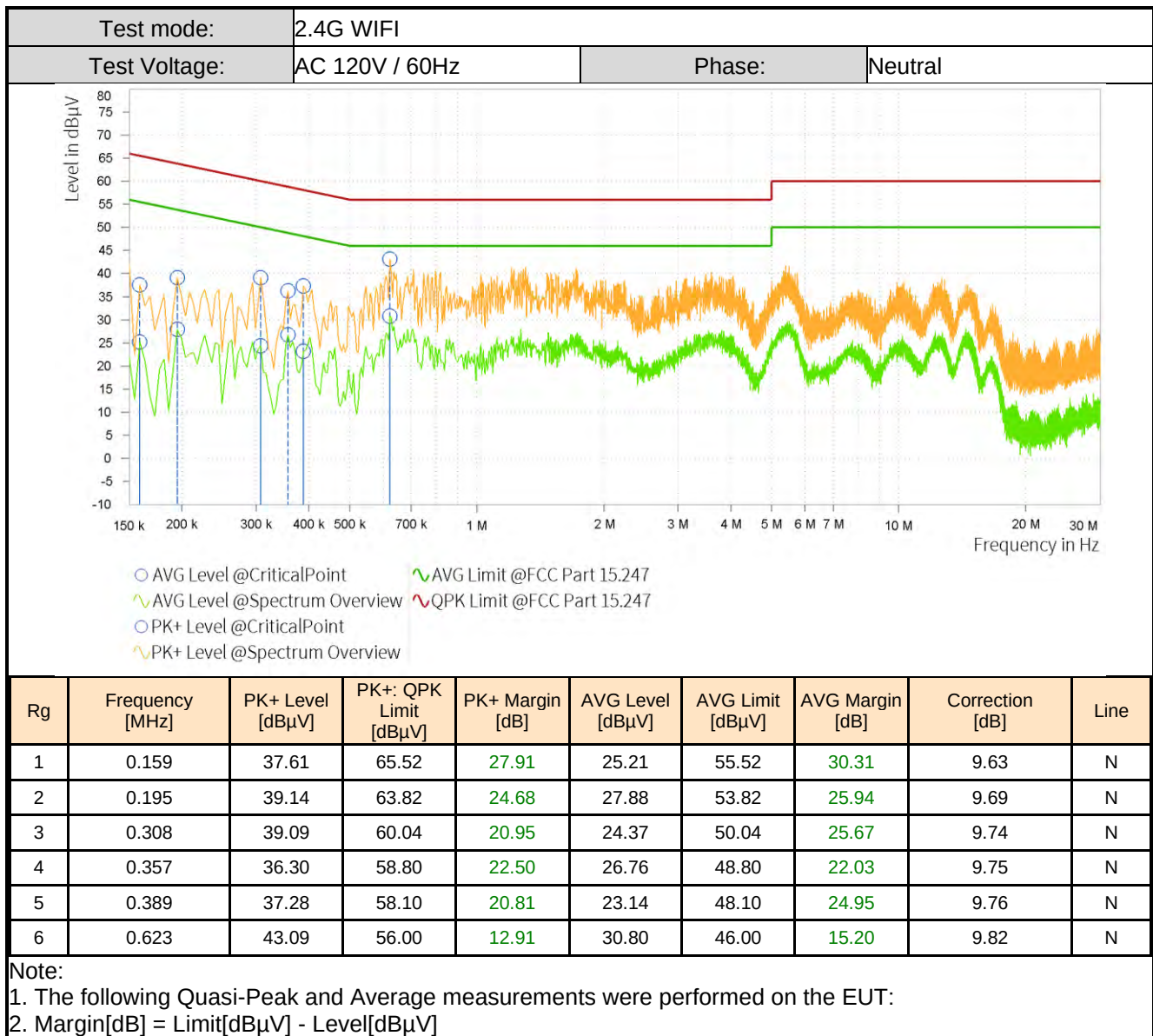
Test Setup



Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result:



4.3 Output Power

Limits

If with directional antenna gains less than 6 dBi, the limit is 30dBm.

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 11.9.1.2(PKPM1) or 11.9.2.3.2(AVGPM-G)

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The power output was measured on the EUT antenna port using RF Cable with an attenuator connected to a power sensor. Output power was read directly from the power sensor.
3. Measure and record the results in the test report.

Test Setup

Refer to section 2.7.1 Setup 1 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.4 Occupied Bandwidth

Limits

DTSBW: The minimum 6 dB bandwidth shall be at least 500 kHz.

99%BW: None, for reporting purposes only.

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 11.8.2 and 6.9.3

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz(DTS)
4. RBW = 1% - 5%(99%BW)
5. VBW $\geq$ 3 times the RBW
6. Sweep = Auto
7. Detector = Peak
8. Trace = Max hold
9. The trace was allowed to stabilize
10. Measure and record the results in the test report.

Test Notes

DTS: The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X= 6. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.

Test Setup

Refer to section 2.7.1 Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.5 Power Spectral Density

Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 11.10.2(PKPSD)

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously
2. The transmitter output is connected to a spectrum analyzer
3. $3\text{kHz} \leq \text{RBW} \leq 100\text{ kHz}$
(If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.)
4. $\text{VBW} \geq 3$ times the RBW
5. Span = 1.5 times the DTS bandwidth
6. Sweep = Auto
7. Detector = Peak
8. Trace = Max hold
9. The trace was allowed to stabilize
10. Measure and record the results in the test report.

Test Setup

Refer to section 2.7.1 Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.6 Band Edge for Conducted Emissions

Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph 15.247(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 11.11.3

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously
2. The transmitter output is connected to a spectrum analyzer
3. RBW = 100kHz
4. VBW = 300kHz
5. Point $\geq 2 \times \text{span/RBW}$
6. Sweep = Auto
7. Detector = Peak
8. Trace = Max hold
9. The trace was allowed to stabilize
10. Measure and record the results in the test report

Test Setup

Refer to section 2.7.1 Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.7 Spurious RF Conducted Emissions

Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph 15.247(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 11.11.3

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. Activate frequency hopping function if necessary.
3. The transmitter output is connected to a spectrum analyzer
4. The spectrum from 30MHz - 26.5GHz
5. RBW = 100kHz
6. VBW = 300kHz
7. Sweep = Auto
8. Detector = Peak
9. Trace = Max hold
10. The trace was allowed to stabilize
11. Measure and record the results in the test report

Test Setup

Refer to section 2.7.1 Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.8 Radiated Spurious Emissions and Band Edge

Limits

Spurious emissions are permitted in an of the frequency bands:

MHz	MHz	MHz	MHz	GHz	GHz
0.090 - 0.110	12.29 - 12.293	149.9 - 150.05	1660 - 1710	4.5 - 5.15	14.47 - 14.5
0.495 - 0.505	12.51975 - 12.52025	156.52475 - 156.52525	1718.8 - 1722.2	5.35 - 5.46	15.35 - 16.2
2.1735 - 2.1905	12.5767 - 12.57725	156.7 - 156.9	2200 - 2300	7.25 - 7.75	17.7 - 21.4
4.125 - 128	13.36 - 13.41	162.0125 - 167.17	2310 - 2390	8.025 - 8.5	22.01 - 23.12
4.17725 - 4.17775	16.42 - 16.423	167.72 - 173.2	2483.5 - 2500	9.0 - 9.2	23.6 - 24.0
4.20725 - 4.20775	16.69475 - 16.69525	240 - 285	2655 - 2900	9.3 - 9.5	31.2 - 31.8
6.215 - 6.218	1680425 - 1680475	322 - 335.4	3260 - 3267	10.6 - 12.7	36.43 - 36.5
6.26775 - 6.26825	25.5 - 25.67	399.9 - 410	3332 - 3339	13.25 - 13.4	
6.31175 - 6.31225	37.5 - 38.25	608 - 614	3345.8 - 3358		
8.291 - 8.294	73 - 74.6	960 - 1240	3600 - 4400		
8.362 - 8.366	74.8 - 75.2	1300 - 1427			
8.37625 - 8.38675	108 - 121.94	1435 - 1626.5			
8.41425 - 8.41475	123 - 138	1645.5 - 1646.5			

Radiated disturbance of an intentional radiator:

Frequency	Field strength ($\mu\text{V/m}$)	Limit (dB $\mu\text{V/m}$)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	74.0	Peak	3
		54.0	Average	

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 6.4 & 6.5 & 6.6

Test Settings

- For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
- For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 150cm above the ground plane.
- Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
- For each suspected emission, the EUT was ranged its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) find the maximum reading. Preamplifier and a high pass filter are used for the test in order get better signal level comply with the guidelines.
- Set to the maximum power setting and enable the EUT transmit continuously.
- The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
- spectrum analyzer setting:
Measurements 30MHz ~ 1000MHz: RBW = 120 kHz; VBW $\geq$ 300 kHz; Detector = Peak

Measurements Above 1000MHz: RBW = 1 MHz; VBW $\geq$ 3 MHz; Detector = Peak

Average Measurements Above 1000MHz:

RBW = 1 MHz, VBW $\geq$ 1/T, with peak detector for average measurements.

8. The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:

Level = Reading(dB μ V) + Factor(dB):

Factor = Cable Factor(dB) + AF(dB/m) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dB μ V/m) – Level(dB μ V/m)

9. Repeat above procedures until all frequencies measured was complete.
10. Measure and record the results in the test report.

Test Notes

1. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
2. Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. the disturbance between 9kHz to 30MHz and 18GHz to 40GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded, so only the harmonics had been displayed.
3. These frequencies which near "-" should be ignored because they are Fundamental frequency.

Test Setup

Refer to section 2.7.2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

5 Test Setup Photos

The detailed test data see: **Appendix A - BTWIFI Setup Photos**

Appendix

DTS Bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11b-CDD	Ant2	2412	7.120	2408.440	2415.560	0.5	PASS
11b-CDD	Ant3	2412	7.080	2408.480	2415.560	0.5	PASS
11b-CDD	Ant2	2437	8.040	2432.960	2441.000	0.5	PASS
11b-CDD	Ant3	2437	7.520	2433.040	2440.560	0.5	PASS
11b-CDD	Ant2	2462	8.040	2457.960	2466.000	0.5	PASS
11b-CDD	Ant3	2462	7.960	2458.000	2465.960	0.5	PASS
11g-CDD	Ant2	2412	16.320	2403.840	2420.160	0.5	PASS
11g-CDD	Ant3	2412	15.080	2404.480	2419.560	0.5	PASS
11g-CDD	Ant2	2437	16.000	2429.120	2445.120	0.5	PASS
11g-CDD	Ant3	2437	16.280	2428.840	2445.120	0.5	PASS
11g-CDD	Ant2	2462	13.880	2455.680	2469.560	0.5	PASS
11g-CDD	Ant3	2462	15.320	2454.240	2469.560	0.5	PASS
11n20MIMO	Ant2	2412	16.920	2403.840	2420.760	0.5	PASS
11n20MIMO	Ant3	2412	17.520	2403.240	2420.760	0.5	PASS
11n20MIMO	Ant2	2437	17.560	2428.200	2445.760	0.5	PASS
11n20MIMO	Ant3	2437	17.600	2428.200	2445.800	0.5	PASS
11n20MIMO	Ant2	2462	16.960	2453.440	2470.400	0.5	PASS
11n20MIMO	Ant3	2462	16.760	2453.400	2470.160	0.5	PASS
11n40MIMO	Ant2	2422	33.840	2405.680	2439.520	0.5	PASS
11n40MIMO	Ant3	2422	31.920	2406.960	2438.880	0.5	PASS
11n40MIMO	Ant2	2437	35.920	2418.840	2454.760	0.5	PASS
11n40MIMO	Ant3	2437	35.040	2419.480	2454.520	0.5	PASS
11n40MIMO	Ant2	2452	36.320	2433.840	2470.160	0.5	PASS
11n40MIMO	Ant3	2452	36.320	2433.840	2470.160	0.5	PASS
11ax20MIMO	Ant2	2412	15.160	2405.920	2421.080	0.5	PASS
11ax20MIMO	Ant3	2412	18.280	2403.000	2421.280	0.5	PASS
11ax20MIMO	Ant2	2437	17.880	2428.400	2446.280	0.5	PASS
11ax20MIMO	Ant3	2437	18.640	2427.800	2446.440	0.5	PASS
11ax20MIMO	Ant2	2462	17.600	2452.800	2470.400	0.5	PASS
11ax20MIMO	Ant3	2462	18.680	2452.640	2471.320	0.5	PASS
11ax40MIMO	Ant2	2422	36.240	2404.080	2440.320	0.5	PASS
11ax40MIMO	Ant3	2422	31.200	2408.320	2439.520	0.5	PASS
11ax40MIMO	Ant2	2437	35.440	2419.160	2454.600	0.5	PASS
11ax40MIMO	Ant3	2437	34.640	2420.200	2454.840	0.5	PASS
11ax40MIMO	Ant2	2452	34.640	2434.080	2468.720	0.5	PASS
11ax40MIMO	Ant3	2452	36.880	2433.440	2470.320	0.5	PASS

Test Graphs



11b-CDD-Ant2-2412-PASS



11b-CDD-Ant3-2412-PASS



11b-CDD-Ant2-2437-PASS



11b-CDD-Ant3-2437-PASS



11b-CDD-Ant2-2462-PASS



11b-CDD-Ant3-2462-PASS



11g-CDD-Ant2-2412-PASS



11g-CDD-Ant3-2412-PASS



11g-CDD-Ant2-2437-PASS



11g-CDD-Ant3-2437-PASS



11g-CDD-Ant2-2462-PASS



11g-CDD-Ant3-2462-PASS



11n20MIMO-Ant2-2412-PASS



11n20MIMO-Ant3-2412-PASS



11n20MIMO-Ant2-2412-PASS



11n20MIMO-Ant3-2412-PASS



11n20MIMO-Ant2-2462-PASS



11n20MIMO-Ant3-2462-PASS



11n40MIMO-Ant2-2422-PASS



11n40MIMO-Ant3-2422-PASS



11n40MIMO-Ant2-2437-PASS



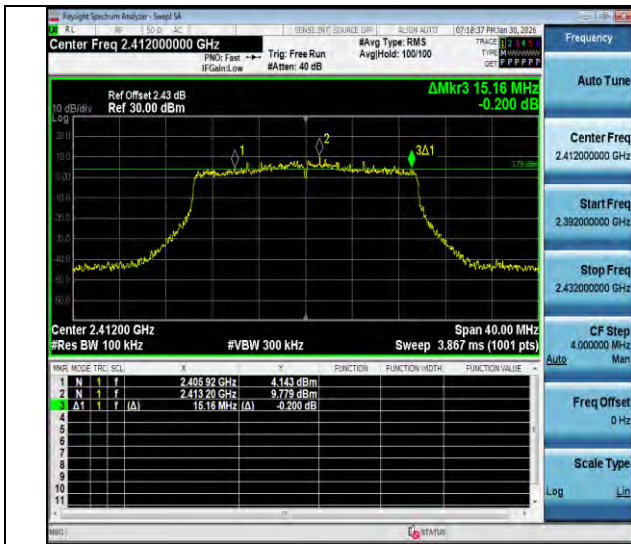
11n40MIMO-Ant3-2437-PASS



11n40MIMO-Ant2-2452-PASS



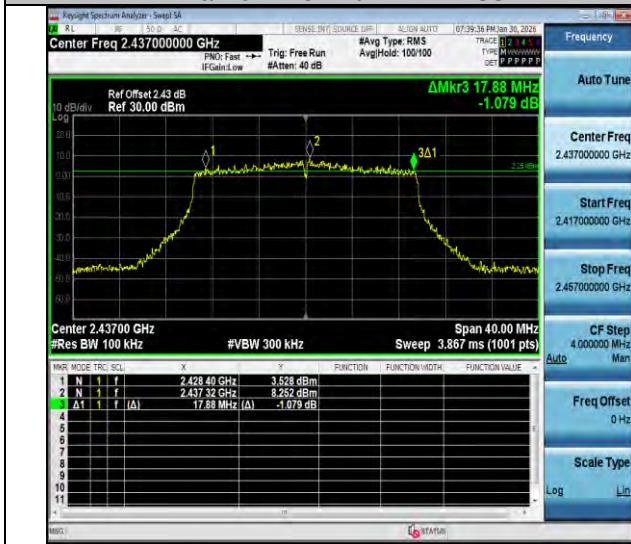
11n40MIMO-Ant3-2452-PASS



11ax20MIMO-Ant2-2412-PASS



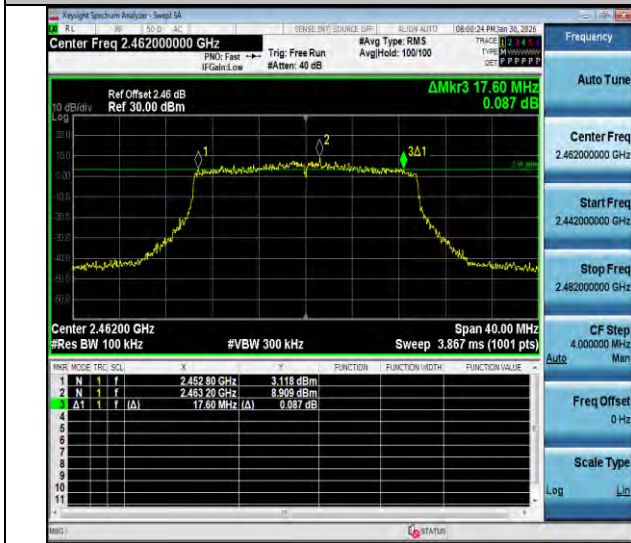
11ax20MIMO-Ant3-2412-PASS



11ax20MIMO-Ant2-2437-PASS



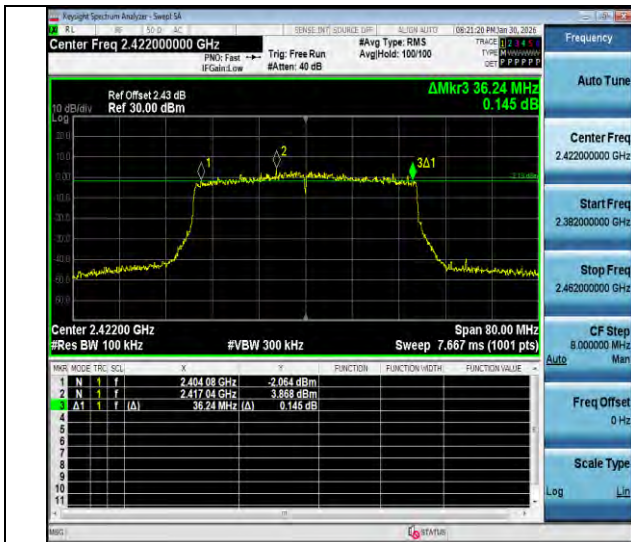
11ax20MIMO-Ant3-2437-PASS



11ax20MIMO-Ant2-2462-PASS



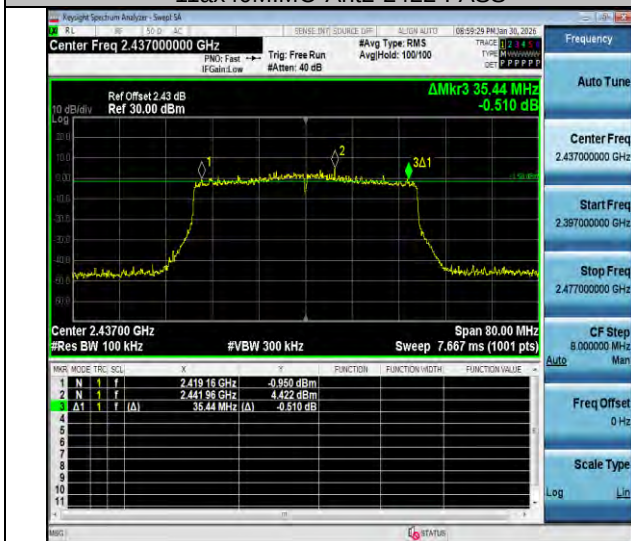
11ax20MIMO-Ant3-2462-PASS



11ax40MIMO-Ant2-2422-PASS



11ax40MIMO-Ant3-2422-PASS



11ax40MIMO-Ant2-2437-PASS



11ax40MIMO-Ant3-2437-PASS



11ax40MIMO-Ant2-2452-PASS



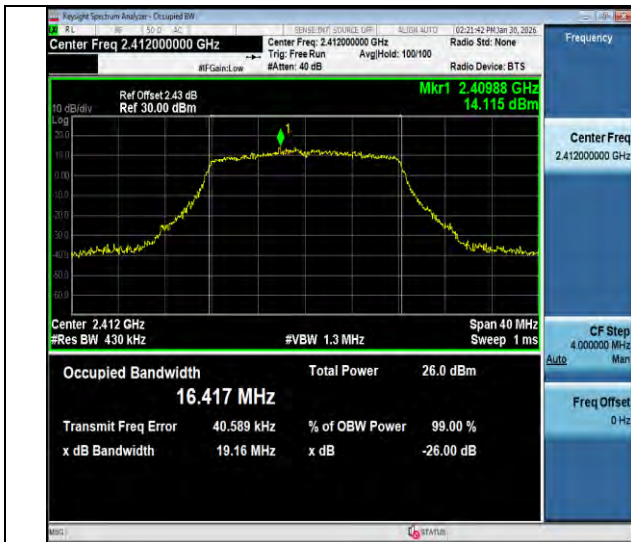
11ax40MIMO-Ant3-2452-PASS

Occupied Channel Bandwidth Test Result

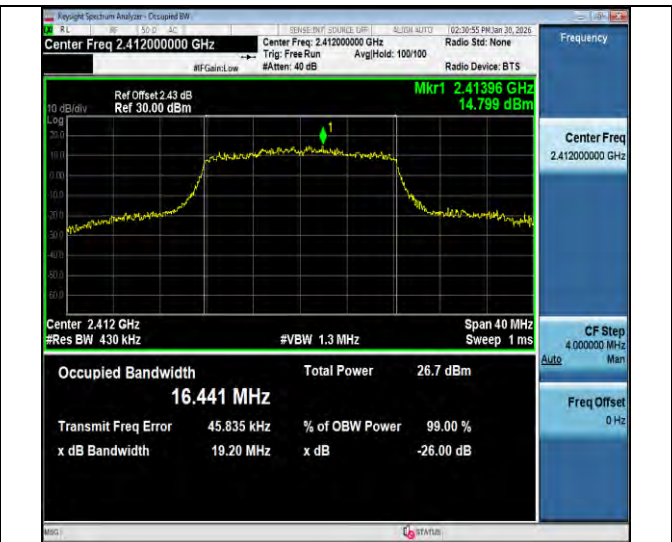
TestMode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11b-CDD	Ant2	2412	13.003	2405.5931	2418.5961	---	---
11b-CDD	Ant3	2412	13.018	2405.5648	2418.5828	---	---
11b-CDD	Ant2	2437	12.884	2430.5859	2443.4699	---	---
11b-CDD	Ant3	2437	12.934	2430.5623	2443.4963	---	---
11b-CDD	Ant2	2462	12.918	2455.5504	2468.4684	---	---
11b-CDD	Ant3	2462	12.957	2455.5113	2468.4683	---	---
11g-CDD	Ant2	2412	16.417	2403.8321	2420.2491	---	---
11g-CDD	Ant3	2412	16.441	2403.8253	2420.2663	---	---
11g-CDD	Ant2	2437	16.421	2428.8034	2445.2244	---	---
11g-CDD	Ant3	2437	17.443	2428.3173	2445.7603	---	---
11g-CDD	Ant2	2462	16.409	2453.8073	2470.2163	---	---
11g-CDD	Ant3	2462	16.432	2453.8117	2470.2437	---	---
11n20MIMO	Ant2	2412	17.582	2403.2810	2420.8630	---	---
11n20MIMO	Ant3	2412	17.603	2403.2486	2420.8516	---	---
11n20MIMO	Ant2	2437	17.583	2428.2194	2445.8024	---	---
11n20MIMO	Ant3	2437	17.650	2428.2015	2445.8515	---	---
11n20MIMO	Ant2	2462	17.559	2453.2348	2470.7938	---	---
11n20MIMO	Ant3	2462	17.622	2453.1806	2470.8026	---	---
11n40MIMO	Ant2	2422	35.845	2404.1889	2440.0339	---	---
11n40MIMO	Ant3	2422	35.889	2404.1758	2440.0648	---	---
11n40MIMO	Ant2	2437	35.982	2419.0731	2455.0551	---	---
11n40MIMO	Ant3	2437	35.890	2419.1191	2455.0091	---	---
11n40MIMO	Ant2	2452	35.974	2434.0585	2470.0325	---	---
11n40MIMO	Ant3	2452	36.043	2434.0026	2470.0456	---	---
11ax20MIMO	Ant2	2412	18.875	2402.6343	2421.5093	---	---
11ax20MIMO	Ant3	2412	18.884	2402.6304	2421.5144	---	---
11ax20MIMO	Ant2	2437	18.915	2427.5585	2446.4735	---	---
11ax20MIMO	Ant3	2437	18.948	2427.5543	2446.5023	---	---
11ax20MIMO	Ant2	2462	18.918	2452.5453	2471.4633	---	---
11ax20MIMO	Ant3	2462	18.951	2452.5330	2471.4840	---	---
11ax40MIMO	Ant2	2422	37.689	2403.2238	2440.9128	---	---
11ax40MIMO	Ant3	2422	37.570	2403.3068	2440.8768	---	---
11ax40MIMO	Ant2	2437	37.635	2418.2512	2455.8862	---	---
11ax40MIMO	Ant3	2437	37.567	2418.3221	2455.8891	---	---
11ax40MIMO	Ant2	2452	37.690	2433.2168	2470.9068	---	---
11ax40MIMO	Ant3	2452	37.697	2433.1396	2470.8366	---	---

Test Graphs





11g-CDD-Ant2-2412



11g-CDD-Ant3-2412



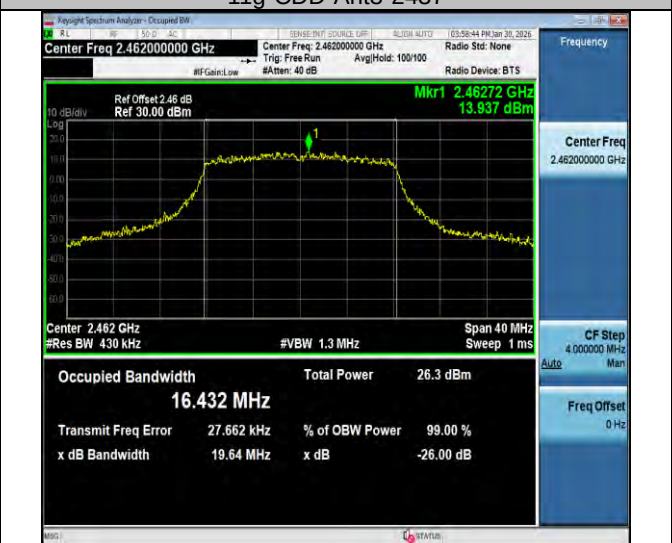
11g-CDD-Ant2-2437



11g-CDD-Ant3-2437



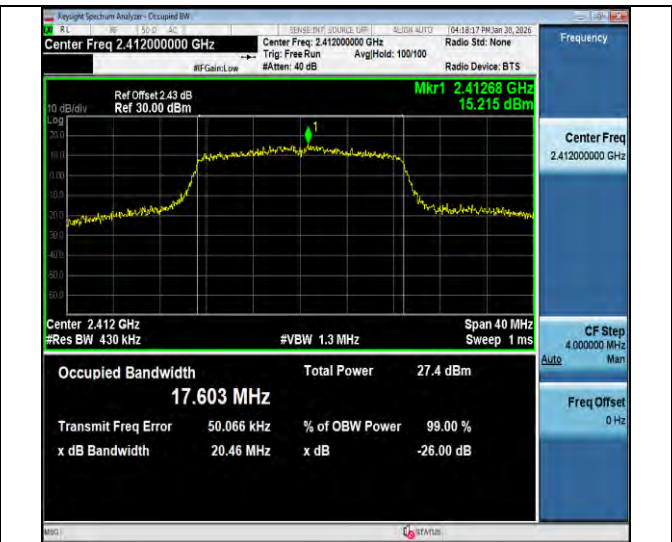
11g-CDD-Ant2-2462



11g-CDD-Ant3-2462



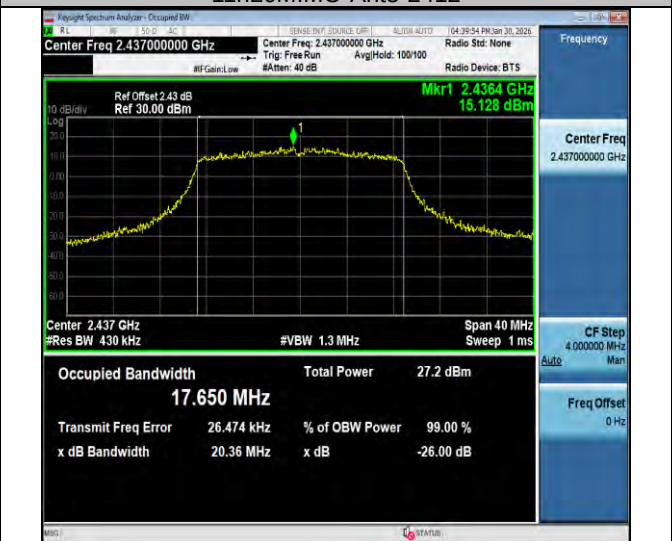
11n20MIMO-Ant2-2412



11n20MIMO-Ant3-2412



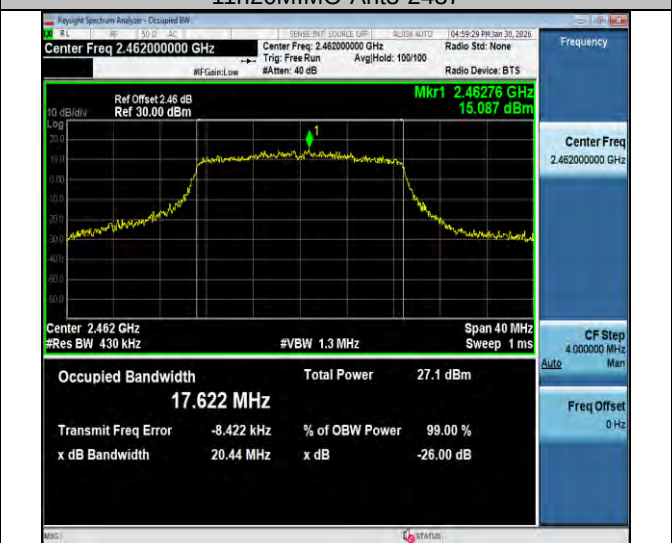
11n20MIMO-Ant2-2437



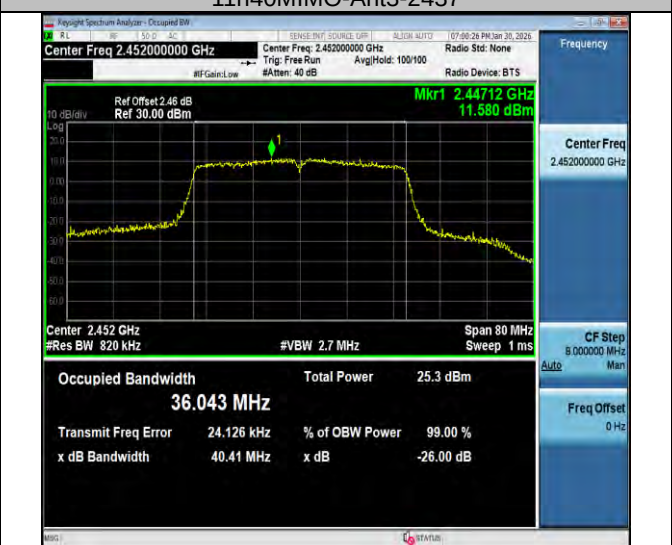
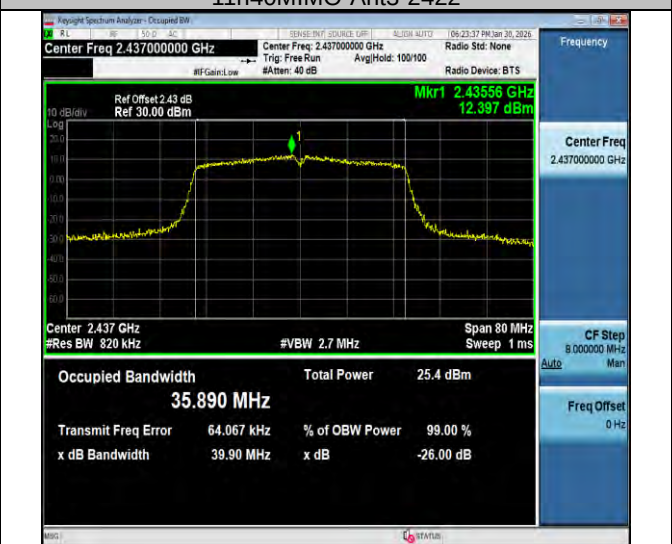
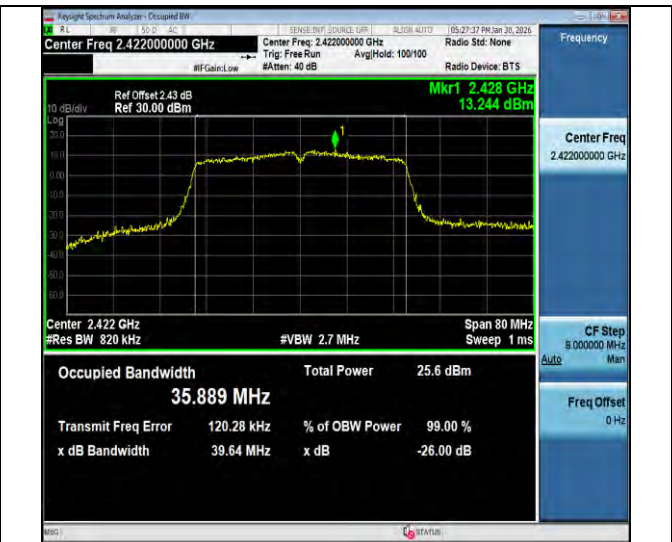
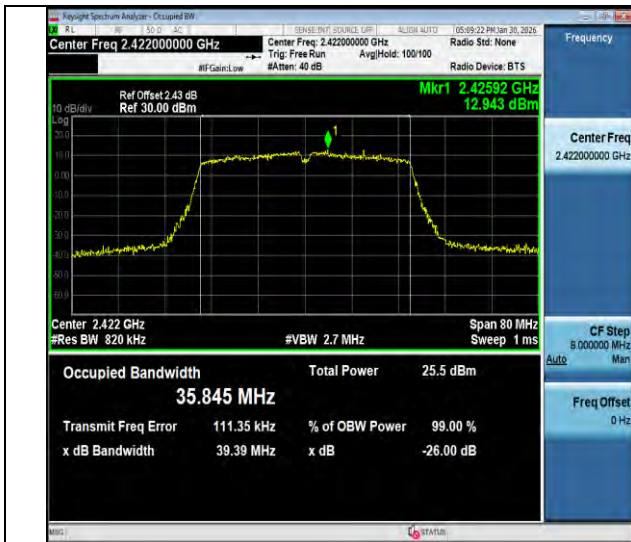
11n20MIMO-Ant3-2437

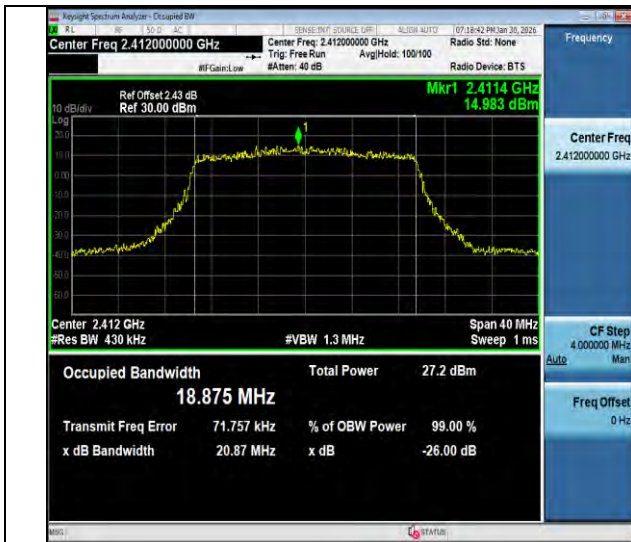


11n20MIMO-Ant2-2462



11n20MIMO-Ant3-2462





11ax20MIMO-Ant2-2412



11ax20MIMO-Ant3-2412



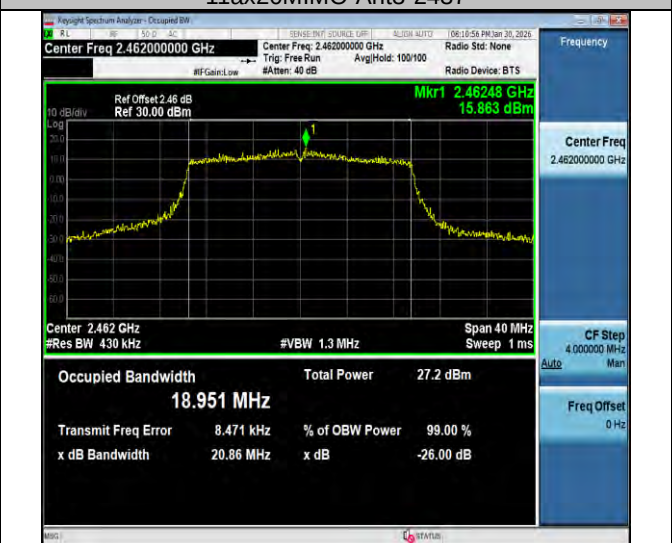
11ax20MIMO-Ant2-2437



11ax20MIMO-Ant3-2437



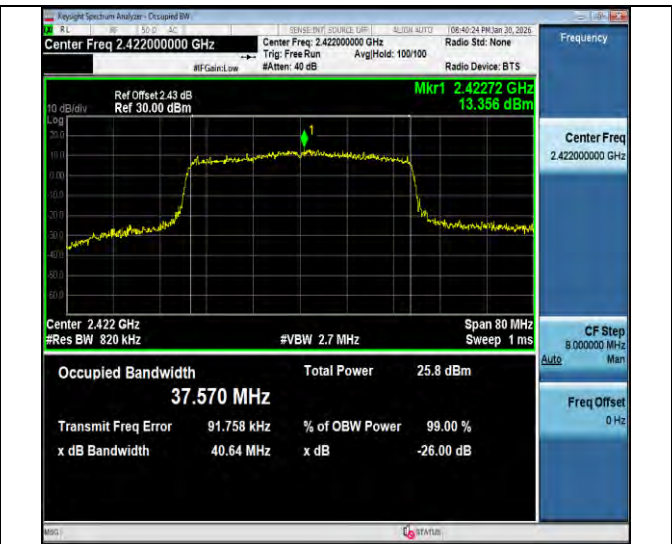
11ax20MIMO-Ant2-2462



11ax20MIMO-Ant3-2462



11ax40MIMO-Ant2-2422



11ax40MIMO-Ant3-2422



11ax40MIMO-Ant2-2437



11ax40MIMO-Ant3-2437



11ax40MIMO-Ant2-2452



11ax40MIMO-Ant3-2452

Maximum conducted output power
Test Result Average

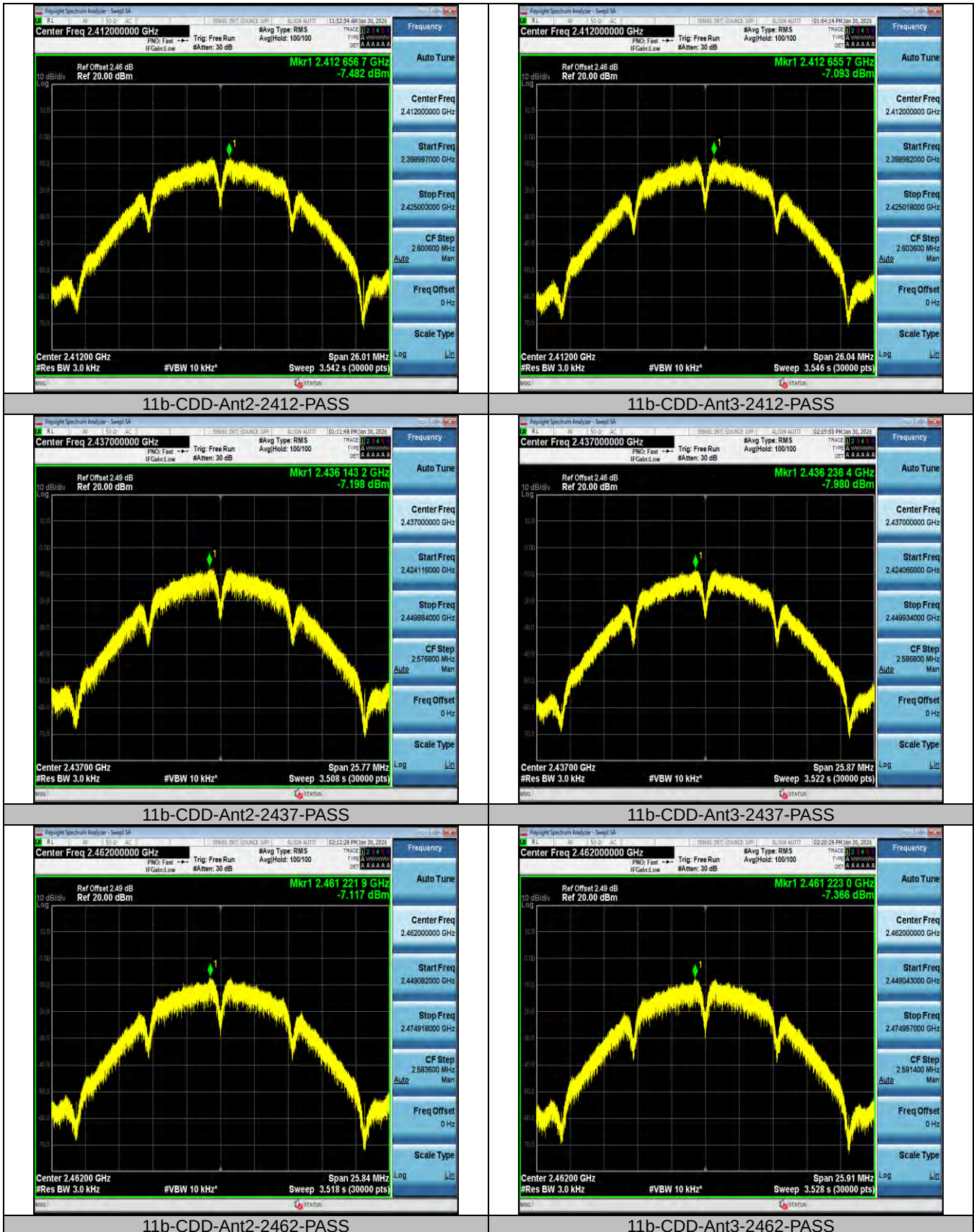
Test Mode	Frequency [MHz]	Conducted Average Ant2(dBm)	Conducted Average Ant3(dBm)	Conducted Average Total (dBm)	Conducted Limit [dBm]	Verdict
11b-CDD	2412	21.18	21.31	24.26	≤30.00	Pass
	2437	20.78	20.58	23.69	≤30.00	Pass
	2462	20.83	20.78	23.82	≤30.00	Pass
11g-CDD	2412	19.46	19.75	22.62	≤30.00	Pass
	2437	19.58	19.99	22.80	≤30.00	Pass
	2462	19.41	19.92	22.68	≤30.00	Pass
11n20-MIMO	2412	20.39	20.41	23.41	≤30.00	Pass
	2437	20.15	20.44	23.31	≤30.00	Pass
	2462	20.21	20.56	23.40	≤30.00	Pass
11n40-MIMO	2422	17.98	18.26	21.13	≤30.00	Pass
	2437	17.77	17.94	20.87	≤30.00	Pass
	2452	17.68	17.79	20.75	≤30.00	Pass
11ax20-MIMO	2412	19.25	19.56	22.42	≤30.00	Pass
	2437	19.37	19.75	22.57	≤30.00	Pass
	2462	19.28	19.74	22.53	≤30.00	Pass
11ax40-MIMO	2422	17.63	17.88	20.77	≤30.00	Pass
	2437	17.43	17.49	20.47	≤30.00	Pass
	2452	17.38	17.47	20.44	≤30.00	Pass

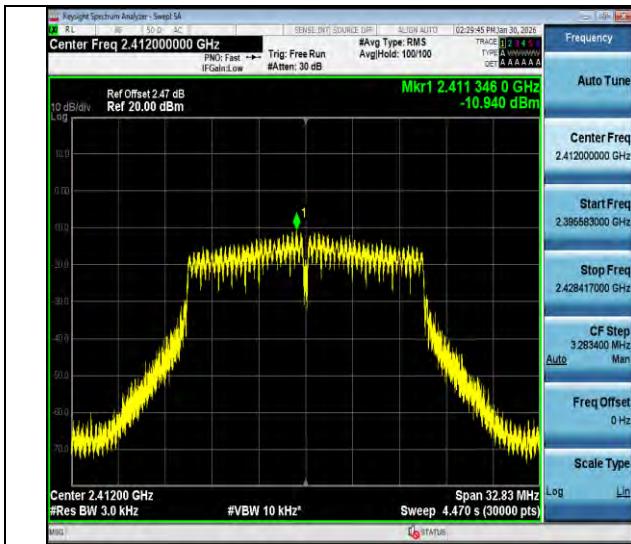
Maximum power spectral density

Test Result

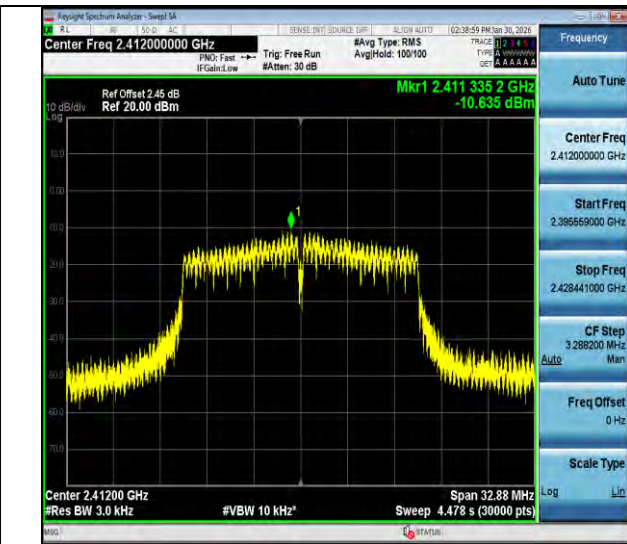
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11b-CDD	Ant2	2412	-7.48	≤8.00	PASS
11b-CDD	Ant3	2412	-7.09	≤8.00	PASS
11b-CDD	total	2412	-4.27	≤8.00	PASS
11b-CDD	Ant2	2437	-7.20	≤8.00	PASS
11b-CDD	Ant3	2437	-7.98	≤8.00	PASS
11b-CDD	total	2437	-4.56	≤8.00	PASS
11b-CDD	Ant2	2462	-7.12	≤8.00	PASS
11b-CDD	Ant3	2462	-7.37	≤8.00	PASS
11b-CDD	total	2462	-4.23	≤8.00	PASS
11g-CDD	Ant2	2412	-10.94	≤8.00	PASS
11g-CDD	Ant3	2412	-10.64	≤8.00	PASS
11g-CDD	total	2412	-7.78	≤8.00	PASS
11g-CDD	Ant2	2437	-11.24	≤8.00	PASS
11g-CDD	Ant3	2437	-11.03	≤8.00	PASS
11g-CDD	total	2437	-8.12	≤8.00	PASS
11g-CDD	Ant2	2462	-11.24	≤8.00	PASS
11g-CDD	Ant3	2462	-11.06	≤8.00	PASS
11g-CDD	total	2462	-8.14	≤8.00	PASS
11n20MIMO	Ant2	2412	-12.07	≤8.00	PASS
11n20MIMO	Ant3	2412	-11.94	≤8.00	PASS
11n20MIMO	total	2412	-8.99	≤8.00	PASS
11n20MIMO	Ant2	2437	-12.08	≤8.00	PASS
11n20MIMO	Ant3	2437	-12.09	≤8.00	PASS
11n20MIMO	total	2437	-9.07	≤8.00	PASS
11n20MIMO	Ant2	2462	-12.20	≤8.00	PASS
11n20MIMO	Ant3	2462	-11.89	≤8.00	PASS
11n20MIMO	total	2462	-9.03	≤8.00	PASS
11n40MIMO	Ant2	2422	-17.50	≤8.00	PASS
11n40MIMO	Ant3	2422	-17.70	≤8.00	PASS
11n40MIMO	total	2422	-14.59	≤8.00	PASS
11n40MIMO	Ant2	2437	-17.93	≤8.00	PASS
11n40MIMO	Ant3	2437	-17.27	≤8.00	PASS
11n40MIMO	total	2437	-14.58	≤8.00	PASS
11n40MIMO	Ant2	2452	-17.97	≤8.00	PASS
11n40MIMO	Ant3	2452	-18.21	≤8.00	PASS
11n40MIMO	total	2452	-15.08	≤8.00	PASS
11ax20MIMO	Ant2	2412	-14.22	≤8.00	PASS
11ax20MIMO	Ant3	2412	-13.86	≤8.00	PASS
11ax20MIMO	total	2412	-11.03	≤8.00	PASS
11ax20MIMO	Ant2	2437	-14.23	≤8.00	PASS
11ax20MIMO	Ant3	2437	-14.19	≤8.00	PASS
11ax20MIMO	total	2437	-11.20	≤8.00	PASS
11ax20MIMO	Ant2	2462	-14.39	≤8.00	PASS
11ax20MIMO	Ant3	2462	-14.38	≤8.00	PASS
11ax20MIMO	total	2462	-11.37	≤8.00	PASS
11ax40MIMO	Ant2	2422	-18.68	≤8.00	PASS
11ax40MIMO	Ant3	2422	-18.66	≤8.00	PASS
11ax40MIMO	total	2422	-15.66	≤8.00	PASS
11ax40MIMO	Ant2	2437	-18.85	≤8.00	PASS
11ax40MIMO	Ant3	2437	-18.79	≤8.00	PASS
11ax40MIMO	total	2437	-15.81	≤8.00	PASS
11ax40MIMO	Ant2	2452	-19.26	≤8.00	PASS
11ax40MIMO	Ant3	2452	-19.42	≤8.00	PASS
11ax40MIMO	total	2452	-16.33	≤8.00	PASS

Test Graphs

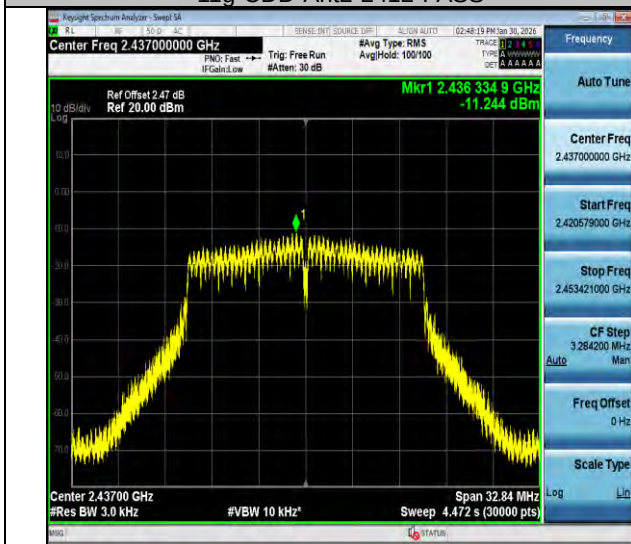




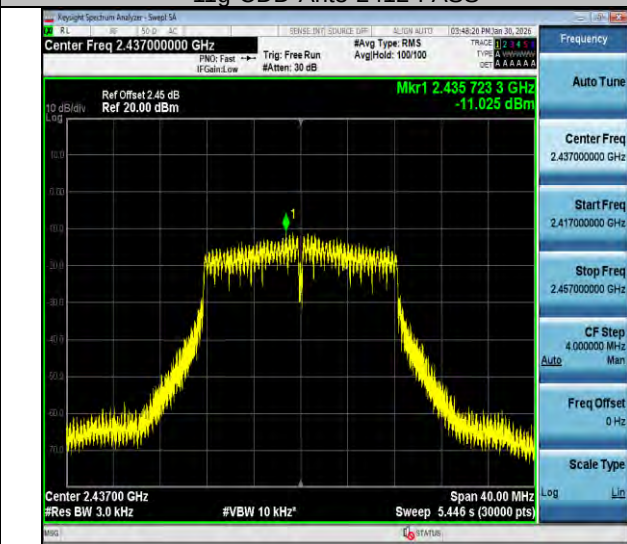
11g-CDD-Ant2-2412-PASS



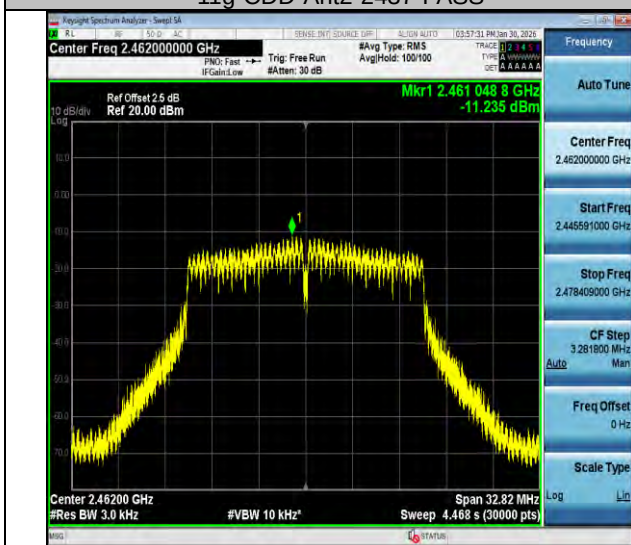
11g-CDD-Ant3-2412-PASS



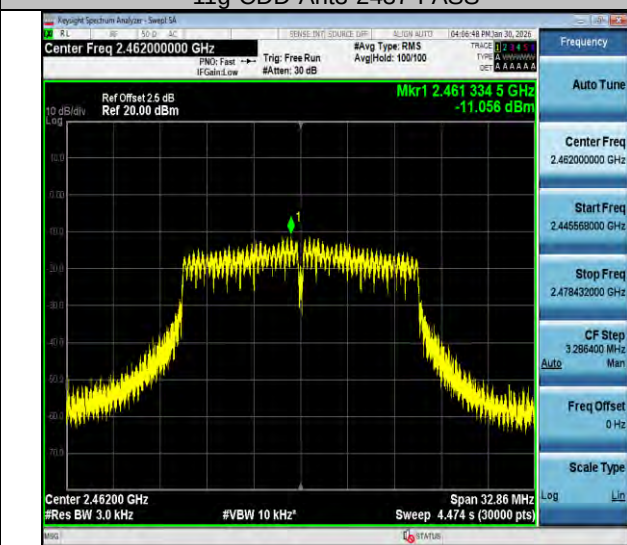
11g-CDD-Ant2-2437-PASS



11g-CDD-Ant3-2437-PASS



11g-CDD-Ant2-2462-PASS



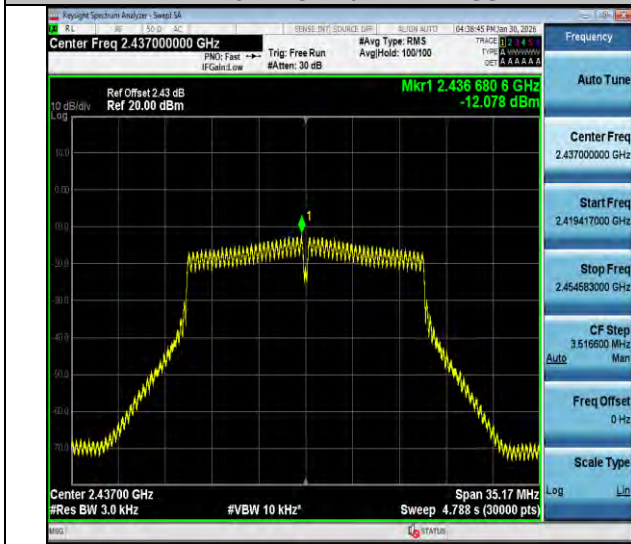
11g-CDD-Ant3-2462-PASS



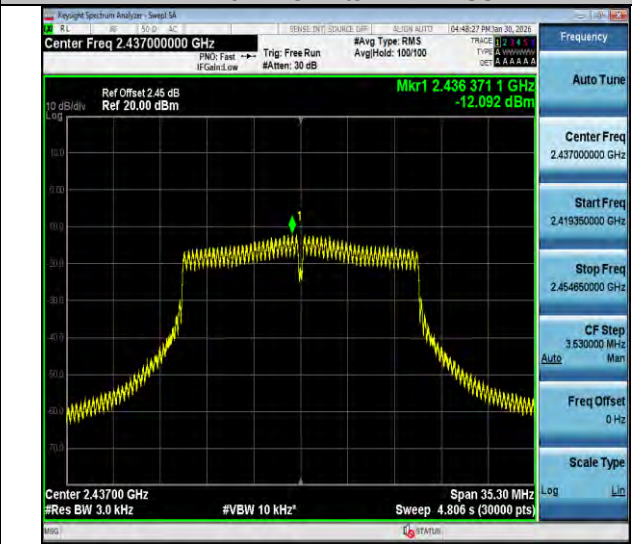
11n20MIMO-Ant2-2412-PASS



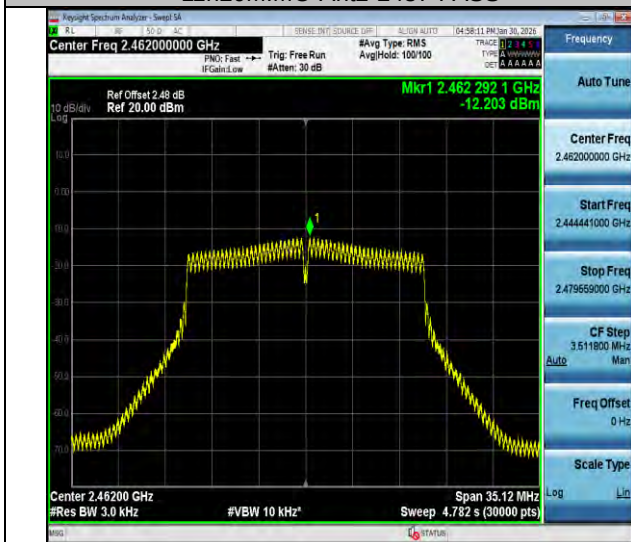
11n20MIMO-Ant3-2412-PASS



11n20MIMO-Ant2-2437-PASS



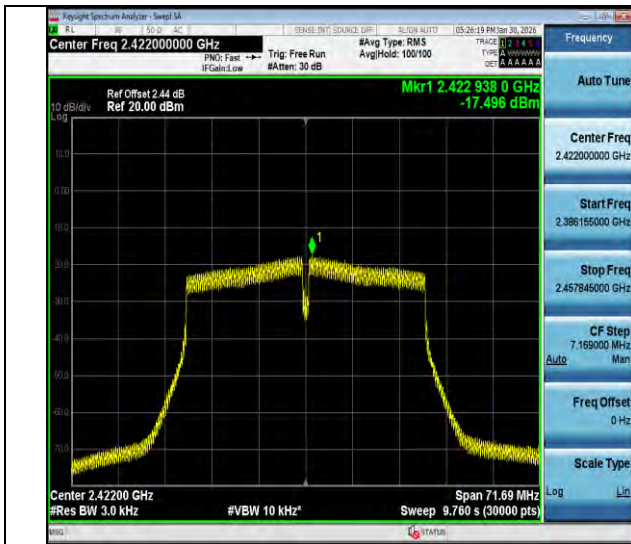
11n20MIMO-Ant3-2437-PASS



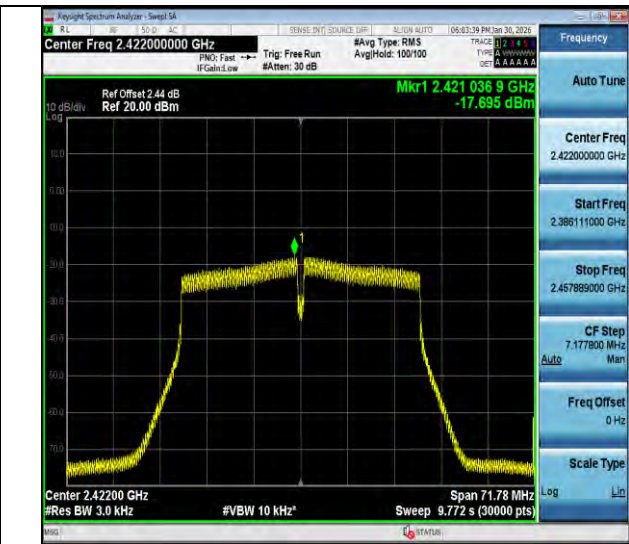
11n20MIMO-Ant2-2462-PASS



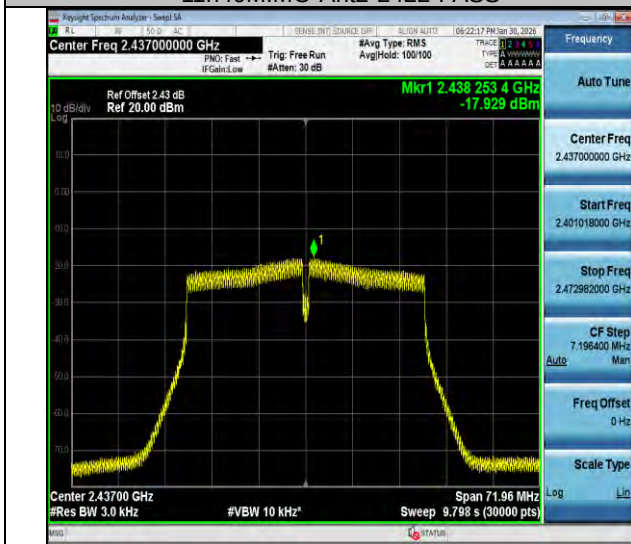
11n20MIMO-Ant3-2462-PASS



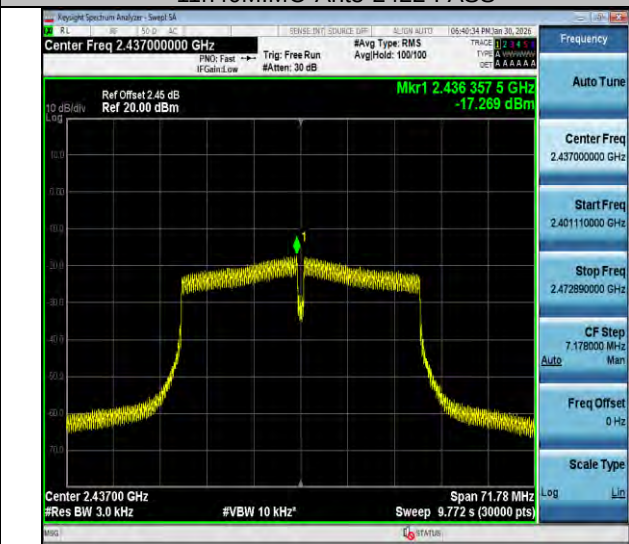
11n40MIMO-Ant2-2422-PASS



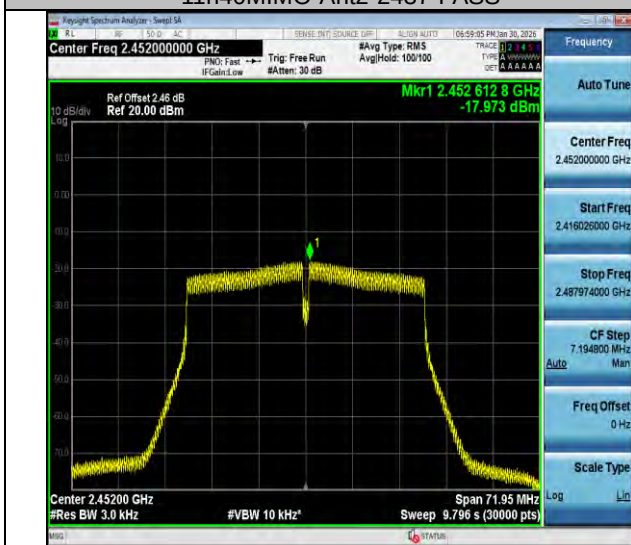
11n40MIMO-Ant3-2422-PASS



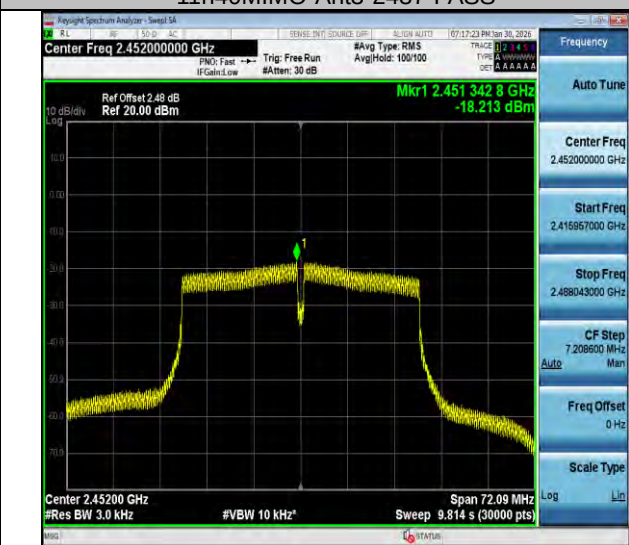
11n40MIMO-Ant2-2437-PASS



11n40MIMO-Ant3-2437-PASS



11n40MIMO-Ant2-2452-PASS



11n40MIMO-Ant3-2452-PASS



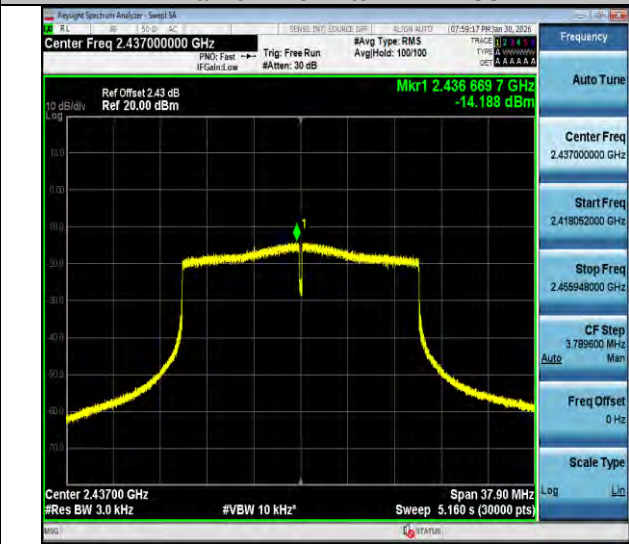
11ax20MIMO-Ant2-2412-PASS



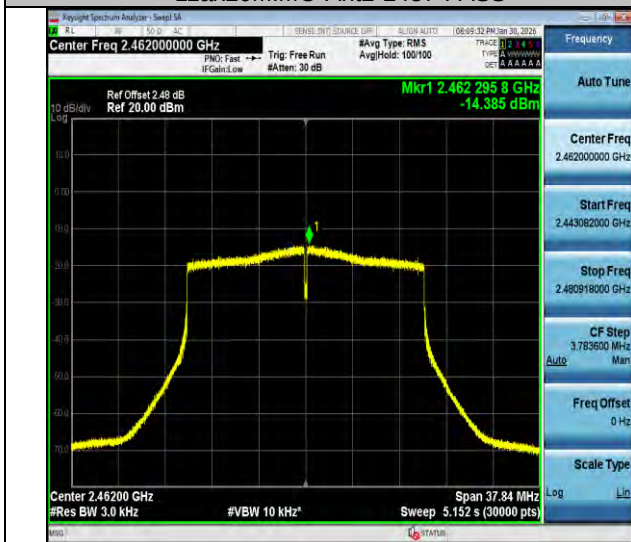
11ax20MIMO-Ant3-2412-PASS



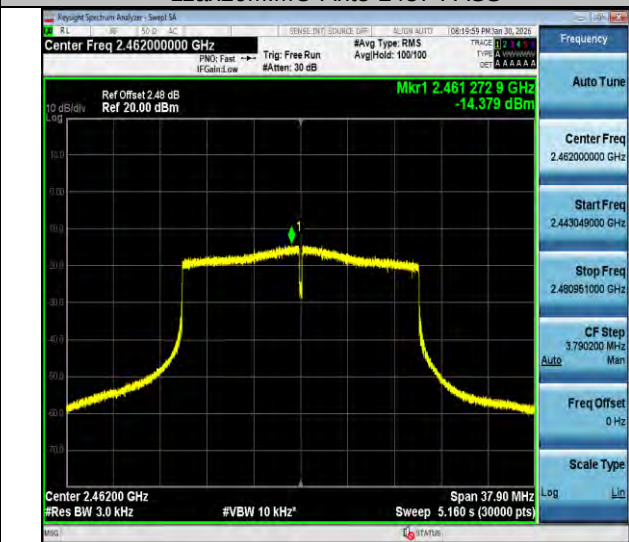
11ax20MIMO-Ant2-2437-PASS



11ax20MIMO-Ant3-2437-PASS



11ax20MIMO-Ant2-2462-PASS



11ax20MIMO-Ant3-2462-PASS



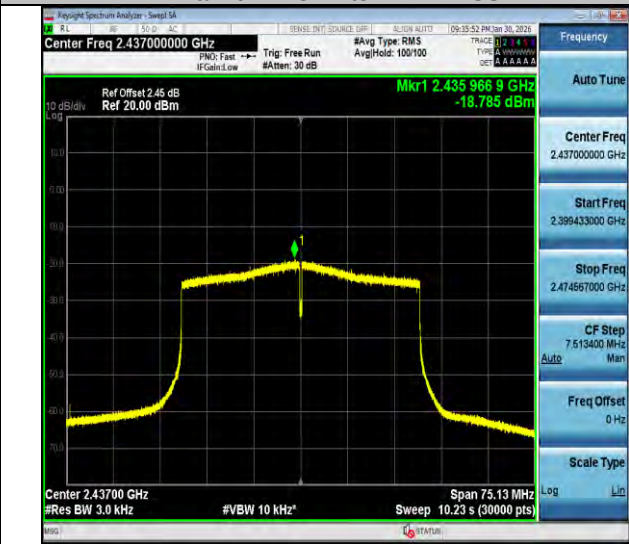
11ax40MIMO-Ant2-2422-PASS



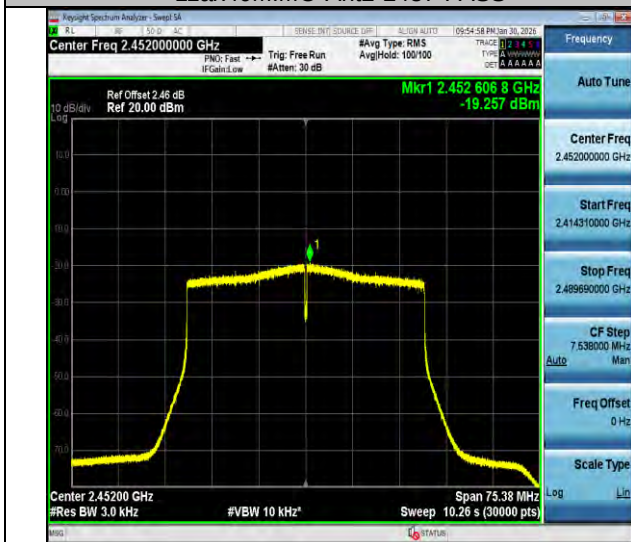
11ax40MIMO-Ant3-2422-PASS



11ax40MIMO-Ant2-2437-PASS



11ax40MIMO-Ant3-2437-PASS



11ax40MIMO-Ant2-2452-PASS



11ax40MIMO-Ant3-2452-PASS

Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11b-CDD	Ant2	Low	2412	13.16	-28.09	≤-16.84	PASS
11b-CDD	Ant3	Low	2412	12.61	-30.65	≤-17.4	PASS
11b-CDD	Ant2	High	2462	11.95	-45.15	≤-18.05	PASS
11b-CDD	Ant3	High	2462	11.51	-47.87	≤-18.49	PASS
11g-CDD	Ant2	Low	2412	9.96	-32.51	≤-20.04	PASS
11g-CDD	Ant3	Low	2412	8.12	-24.02	≤-21.88	PASS
11g-CDD	Ant2	High	2462	7.90	-48.18	≤-22.1	PASS
11g-CDD	Ant3	High	2462	8.81	-39.91	≤-21.19	PASS
11n20MIMO	Ant2	Low	2412	10.02	-28.51	≤-19.98	PASS
11n20MIMO	Ant3	Low	2412	11.75	-21.65	≤-18.25	PASS
11n20MIMO	Ant2	High	2462	9.96	-46.64	≤-20.04	PASS
11n20MIMO	Ant3	High	2462	10.08	-35.83	≤-19.92	PASS
11n40MIMO	Ant2	Low	2422	2.77	-36.13	≤-27.23	PASS
11n40MIMO	Ant3	Low	2422	4.13	-35.11	≤-25.87	PASS
11n40MIMO	Ant2	High	2452	4.55	-50.66	≤-25.45	PASS
11n40MIMO	Ant3	High	2452	2.97	-37.58	≤-27.03	PASS
11ax20MIMO	Ant2	Low	2412	7.42	-32.12	≤-22.58	PASS
11ax20MIMO	Ant3	Low	2412	7.56	-23.69	≤-22.44	PASS
11ax20MIMO	Ant2	High	2462	7.77	-45.22	≤-22.23	PASS
11ax20MIMO	Ant3	High	2462	7.80	-35.28	≤-22.2	PASS
11ax40MIMO	Ant2	Low	2422	3.67	-37.62	≤-26.33	PASS
11ax40MIMO	Ant3	Low	2422	3.07	-30.54	≤-26.93	PASS
11ax40MIMO	Ant2	High	2452	3.06	-48.23	≤-26.95	PASS
11ax40MIMO	Ant3	High	2452	4.10	-39.1	≤-25.9	PASS

Test Graphs



11b-CDD-Ant2-2412-PASS



11b-CDD-Ant3-2412-PASS



11b-CDD-Ant2-2462-PASS



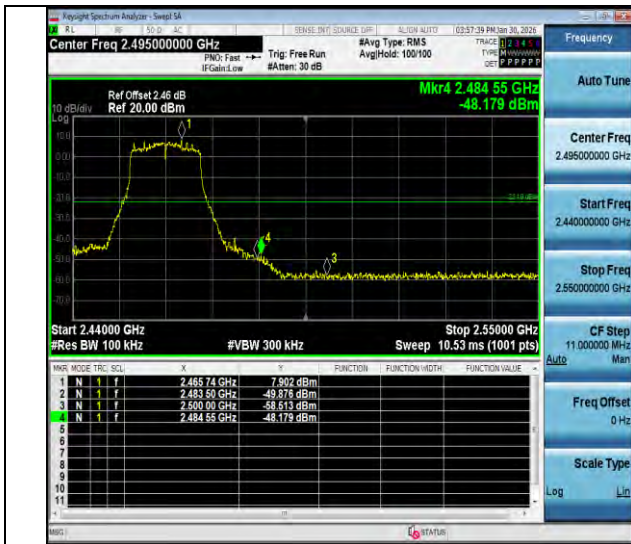
11b-CDD-Ant3-2462-PASS



11g-CDD-Ant2-2412-PASS



11g-CDD-Ant3-2412-PASS



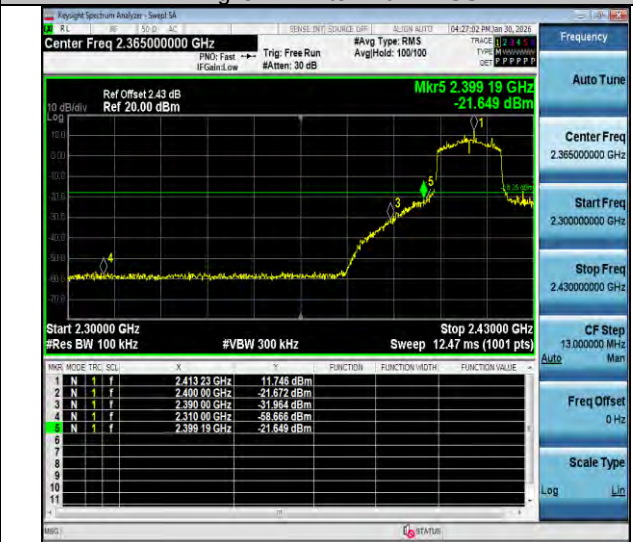
11g-CDD-Ant2-2462-PASS



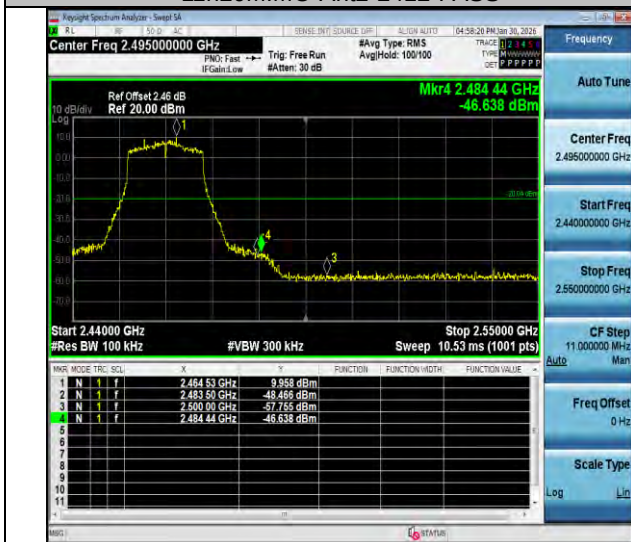
11g-CDD-Ant3-2462-PASS



11n20MIMO-Ant2-2412-PASS



11n20MIMO-Ant3-2412-PASS



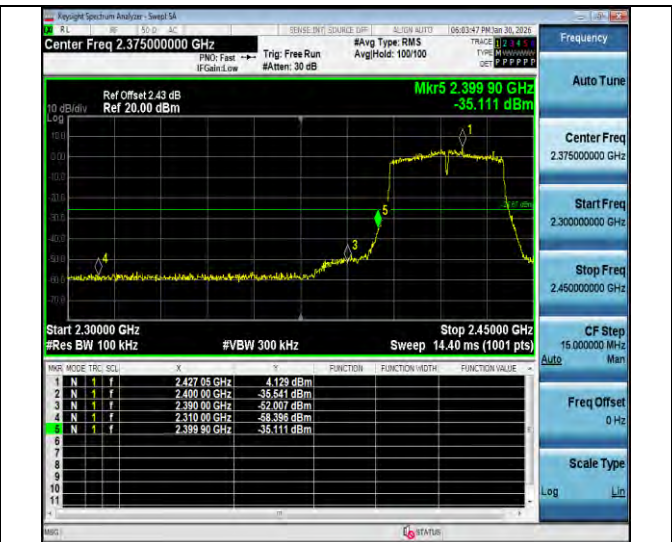
11n20MIMO-Ant2-2462-PASS



11n20MIMO-Ant3-2462-PASS



11n40MIMO-Ant2-2422-PASS



11n40MIMO-Ant3-2422-PASS



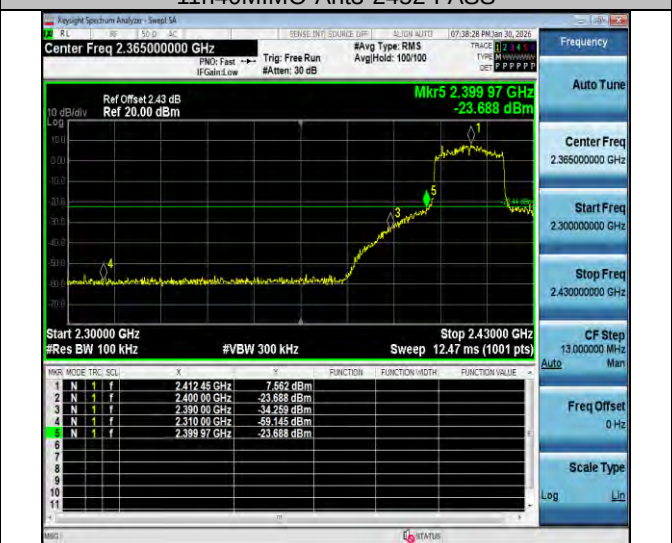
11n40MIMO-Ant2-2452-PASS



11n40MIMO-Ant3-2452-PASS



11ax20MIMO-Ant2-2412-PASS



11ax20MIMO-Ant3-2412-PASS