

TEST REPORT

Applicant: Imin Technology Pte Ltd
EUT Description: POS Device
Model: I25D04
Brand: iMin
FCC ID: 2AYD5-I25D04
Standards: FCC 47 CFR Part 15 Subpart E
Date of Receipt: 2026/03/17
Date of Test: 2026/03/17 to 2026/04/08
Date of Issue: 2026/04/08

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	2026/04/08	Original	Carey Chen

Summary of Test Results

Clause	FCC Part	Test Items	Result
4.1	§15.203	Antenna Requirement	PASS
4.2	§15.407g	Frequency Stability	---
4.3	§15.207	AC Power Line Conducted Emission	PASS
4.4	§15.407a(8)	Maximum e.i.r.p. Output Power	PASS
4.5	§15.407a(8)	Maximum Power Spectral Density	PASS
4.6	§15.407a(10)	Emission Bandwidth	PASS
4.7	§2.1049	99% Occupied Bandwidth	Reporting purposes only
4.8	§15.407b(7)	In-Band Emissions (Channel Mask)	PASS
4.9	§15.407d(6)	Contention Based Protocol	PASS
4.10	§15.407b(6) §15.205 §15.209	Unwanted Emissions	PASS

Test Method:

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

KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

KDB 987594 D01 U-NII 6GHz General Requirements v01r02.

KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01.

Remark: Pass is EUT meets standard requirements.

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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:	Imin Technology Pte Ltd
Address:	11 Bishan street 21 #03-05 Singapore 573943

1.2.2 Manufacturer

Manufacturer:	Imin Technology Pte Ltd
Address:	11 Bishan street 21 #03-05 Singapore 573943

1.3 Product Information

EUT Description:	POS Device		
Model:	I25D04		
Brand:	iMin		
Hardware Version:	185*76*1.6mm\DS3-61_CM1_V1.1		
Software Version:	1.0.0.10.53_GMS_260409		
Modulation Type:	802.11ac:	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM	
	802.11ax:	OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM	
Smart System:	☐ SISO:	802.11ac/ax	/
	☒ MIMO	802.11ac/ax	(2)TX(2)RX
Device Type:	☒ LPI device	☐ VLP device	
Classification:	☒ Low power Indoor Client(6XD) ☐ Low power Indoor Access points(6ID) ☐ Subordinate device(6PP) ☐ Low power Dual Client(6CD)		
Frequency Range:	U-NII-5:	5925 ~ 6425 MHz	
	U-NII-6:	6425 ~ 6525 MHz	
	U-NII-7:	6525 ~ 6875 MHz	
	U-NII-8:	6875 ~ 7125 MHz	
Antenna Type:	☐ External, ☒ Integrated		
Antenna Gain:	Frequency Range	Ant1(dBi)	Ant2(dBi)
	5925 ~ 6425 MHz:	5.17	5.90
	6425 ~ 6525 MHz:	4.47	4.58
	6525 ~ 6875 MHz:	5.48	6.22
	6875 ~ 7125 MHz:	6.72	5.35
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

In section 15.31(m), regards to the operating frequency range over 10 MHz, the selected channel see below:

Frequency Channels for U-NII-5		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH1)	5955MHz
	The channel (CH45)	6175MHz
	The channel (CH93)	6415MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH3)	5965MHz
	The channel (CH43)	6165MHz
	The channel (CH91)	6405MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH7)	5985MHz
	The channel (CH39)	6145MHz
	The channel (CH87)	6385MHz

Frequency Channels for U-NII-6		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH97)	6435MHz
	The channel (CH105)	6475MHz
	The channel (CH113)	6515MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH99)	6445MHz
	The channel (CH107)	6485MHz
	The channel (CH115)	6525MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH103)	6465MHz

Frequency Channels for U-NII-7		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH117)	6535MHz
	The channel (CH149)	6695MHz
	The channel (CH181)	6855MHz
	The channel (CH185)	6875MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH123)	6565MHz
	The channel (CH147)	6685MHz
	The channel (CH179)	6845MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH119)	6545MHz
	The channel (CH135)	6625MHz
	The channel (CH151)	6705MHz
	The channel (CH167)	6785MHz
	The channel (CH183)	6865MHz

Frequency Channels for U-NII-8		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH189)	6895MHz
	The channel (CH209)	6995MHz
	The channel (CH233)	7115MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH187)	6885MHz
	The channel (CH195)	6925MHz
	The channel (CH203)	6965MHz
	The channel (CH227)	7085MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH199)	6945MHz
	The channel (CH215)	7025MHz

Straddle Channel		
Modulation Type	Test Channel	Test Frequency
802.11ac20/ax20	The channel (CH185)	6875MHz
Modulation Type	Test Channel	Test Frequency
802.11ac40/ax40	The channel (CH115)	6525MHz
	The channel (CH187)	6885MHz
Modulation Type	Test Channel	Test Frequency
802.11ac80/ax80	The channel (CH119)	6545MHz
	The channel (CH183)	6865MHz

2.2 Worst-case configuration and Mode

Modulation Type	SISO - Data Rate	MIMO(2)TX(2)RX Data Rate
802.11ac20	N/A	MCS0 (13 Mbps)
802.11ac40	N/A	MCS0 (27 Mbps)
802.11ac80	N/A	MCS0 (58.5 Mbps)
802.11ax20	N/A	MCS0 (17.2 Mbps)
802.11ax40	N/A	MCS0 (34.4 Mbps)
802.11ax80	N/A	MCS0 (72.1 Mbps)
Transmitting mode:	Keep the EUT was programmed to be in continuously transmitting mode.	
Normal Link:	Keep the EUT operation to normal function.	

2.3 Support Unit used in test

Description	Manufacturer	Model	Serial Number
Router	MSI	RadiX AXE6600	3028ZD00UU00010231000818
Coupler	Qotana	DBPD0200001800C	22122900036
Variable Att	Tonscend	JS0806-2	23C80620671

2.4 Test Environment

Temperature:	Normal: 15°C ~ 35°C
Humidity:	45 ~ 56 % RH Ambient
Voltage:	DC 24V
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.

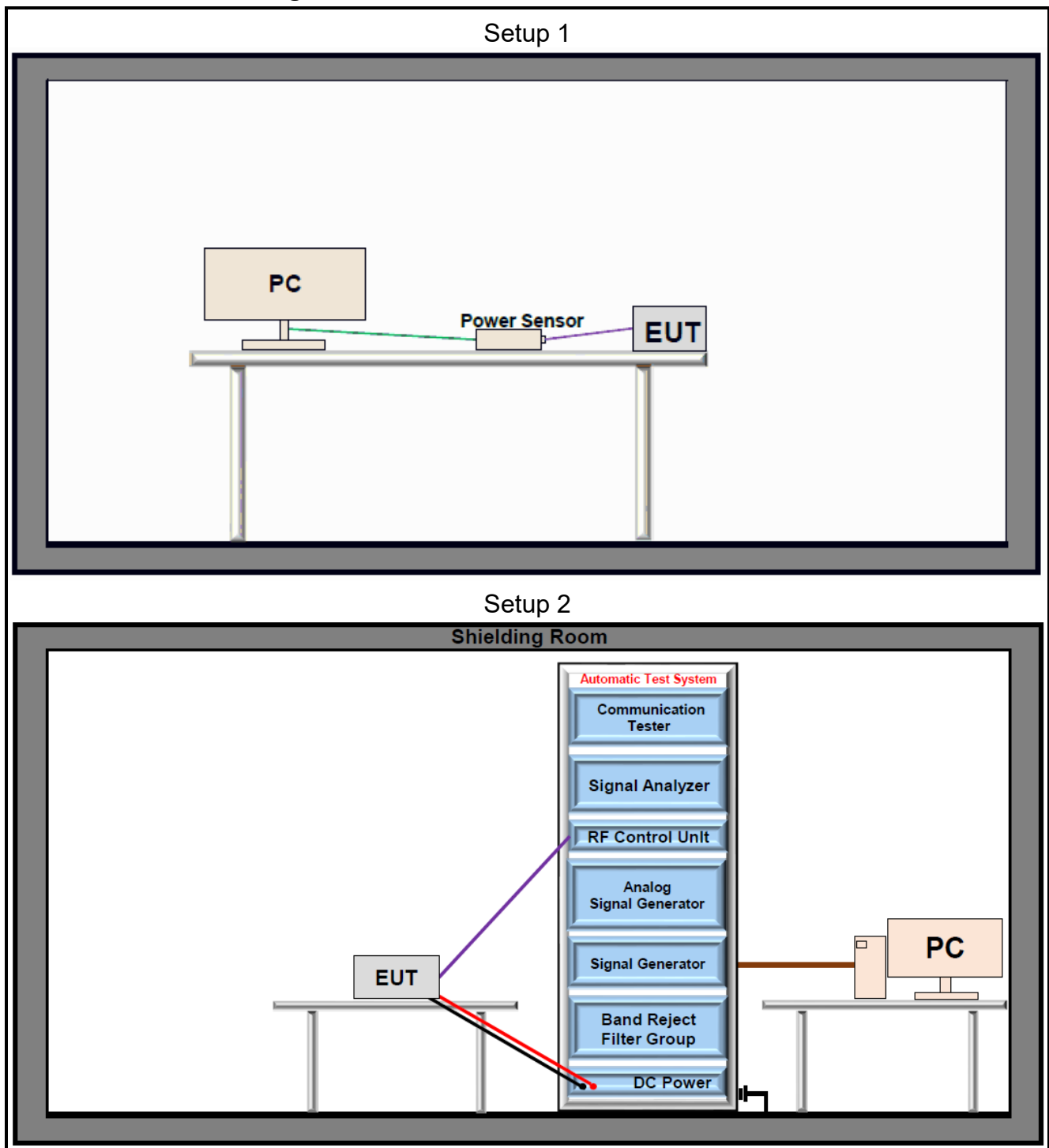
Offset = RF cable loss + attenuator factor.

2.6 Modifications

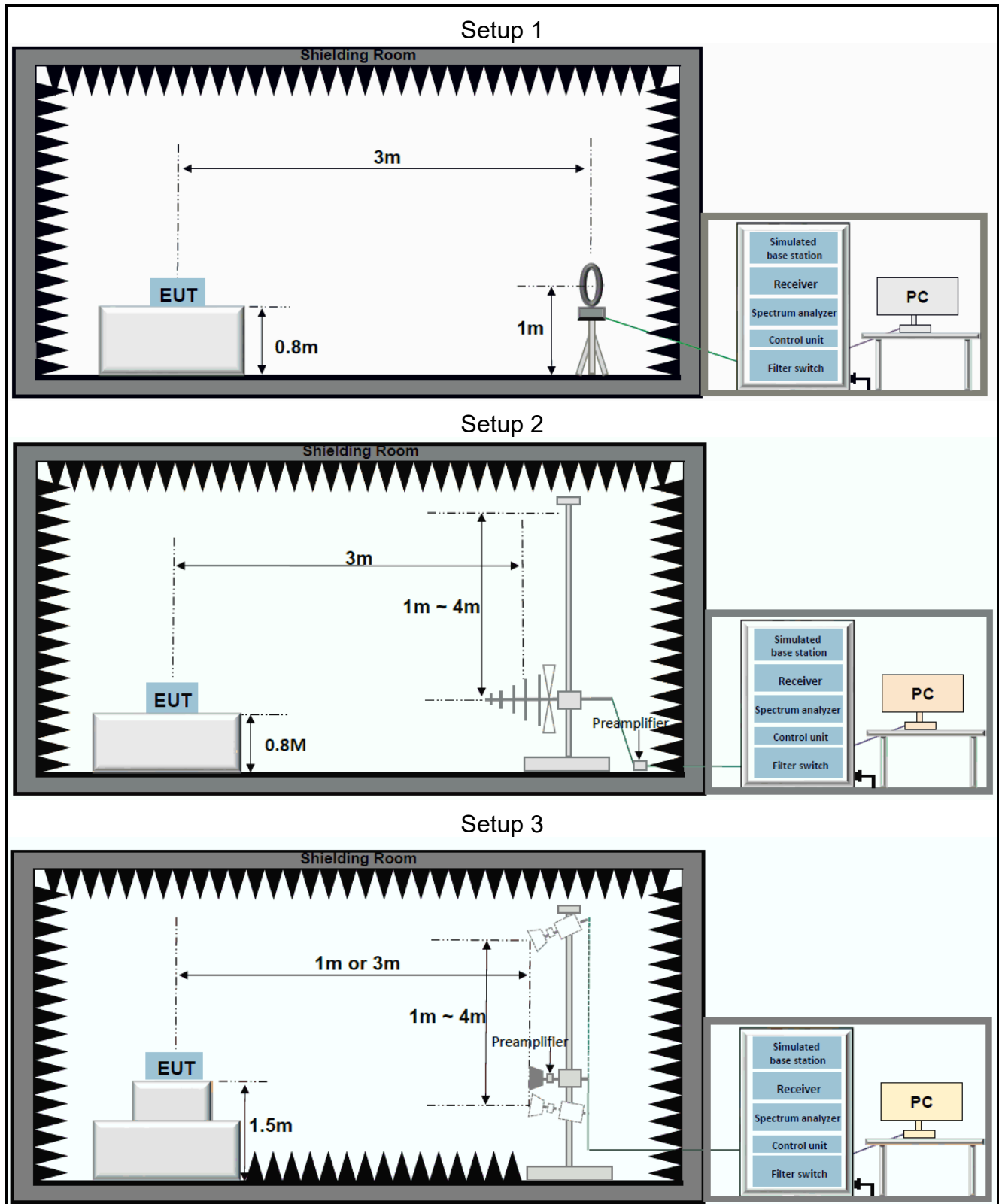
No modifications were made during testing.

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.

Transmit signals are completely correlated				
Operation Band	ANT Gain1 (dBi)	ANT Gain2 (dBi)	Directional gain For Power (dBi)	Directional gain For PSD (dBi)
5925 ~ 6425 MHz	5.17	5.90	5.90	8.55
6425 ~ 6525 MHz	4.47	4.58	4.58	7.54
6525 ~ 6875 MHz	5.48	6.22	6.22	8.87
6875 ~ 7125 MHz	6.72	5.35	6.72	9.07

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	2026/03/05	2027/03/04
Signal Generator	R&S	SMR20	101027	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
Double-Ridged Horn Antennas	Tonscend	HA32-18	806HA003608251015	2025/12/13	2028/12/12
Biconic Logarithmic Periodic Antennas	Tonscend	BLA32-30	80SBLA001011251010	2025/12/13	2028/12/12
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	MY57120015	2026/01/19	2028/01/18
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY63440541	2025/05/29	2026/05/28
EMI Tester Receiver	Rohde & Schwarz	ESR7	102719	2025/05/29	2026/05/28
Low Noise Amplifier	Tonscend	TAP9K3G40	806JSAP044710251054	2026/01/19	2028/01/18
Low Noise Amplifier	Tonscend	TAP01018050	806JSAF044509251052	2026/01/19	2028/01/18
Low Noise Amplifier	Tonscend	TAP18040048	AP22G806247	2025/03/11	2027/03/10
Hygrometer	BINGYU	HTC-1	N/A	2025/07/25	2026/07/24
Radio Frequency Switch	Townshend	JS0806s	806JSSX019811251028	N/A	N/A
Test Software	Tonscend	TS+	Version: 5.0.0	N/A	N/A

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 15E Section 15.203
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.	
The antenna gain and type as provided by the manufacturer are as follows: The antenna Type is Integrated. With Antenna gain is 5925 ~ 6425 MHz: 5.17dBi(Ant1); 5.90dBi(Ant2); 6425 ~ 6525 MHz: 4.47dBi(Ant1); 4.58dBi(Ant2); 6525 ~ 6875 MHz: 5.48dBi(Ant1); 6.22dBi(Ant2); 6875 ~ 7125 MHz: 6.72dBi(Ant1); 5.35dBi(Ant2); Antenna Anti-Replacement Construction: An embedded-in antenna design is used.	

4.2 Frequency Stability

Standard Applicable:	47 CFR Part 15E Section 15.407(g)
Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.	

4.3 AC Power Line Conducted Emissions

Limits

Frequency range (MHz)	Limit (dB μ V)	
	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.

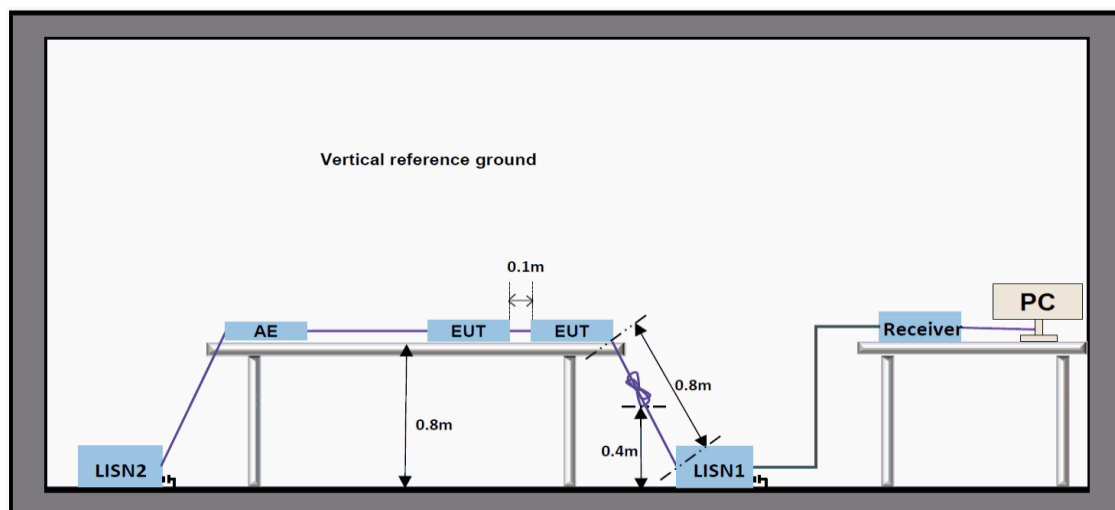
Test Procedure

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

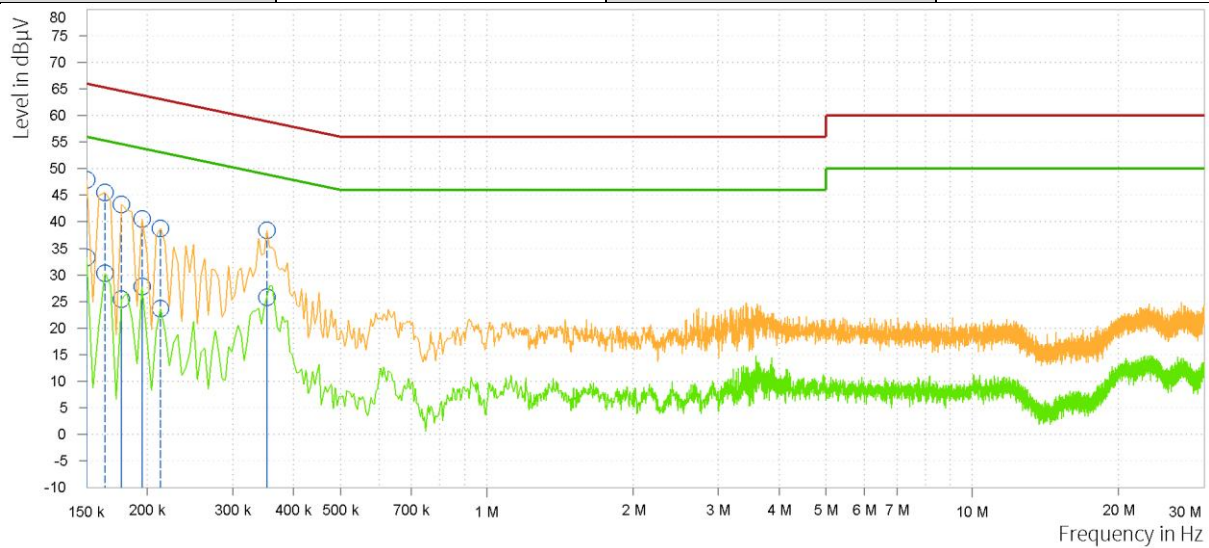


Measuring Instruments

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

Test Result:

Test mode:	6E WIFI		
Test Voltage:	AC 120V / 60Hz	Phase:	Line

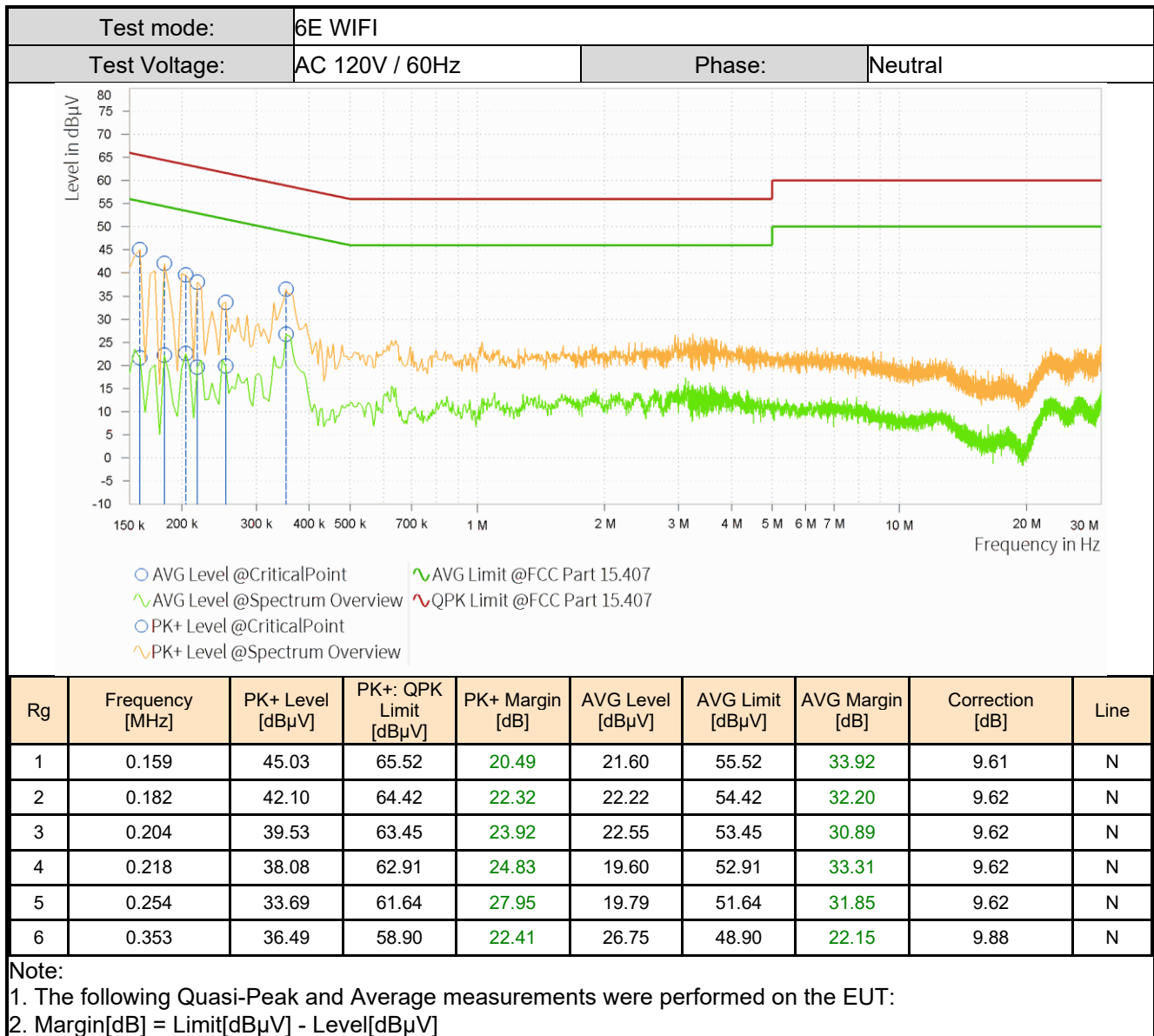


○ AVG Level @CriticalPoint
 ▲ AVG Limit @FCC Part 15.407
 ▲ AVG Level @Spectrum Overview
 ▲ QPK Limit @FCC Part 15.407
 ○ PK+ Level @CriticalPoint
 ▲ PK+ Level @Spectrum Overview

Rg	Frequency [MHz]	PK+ Level [dBμV]	PK+: QPK Limit [dBμV]	PK+ Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line
1	0.150	47.94	66.00	18.06	33.30	56.00	22.70	9.50	L1
2	0.164	45.52	65.28	19.76	30.33	55.28	24.96	9.51	L1
3	0.177	43.30	64.63	21.32	25.44	54.63	29.19	9.54	L1
4	0.195	40.56	63.82	23.26	27.82	53.82	26.00	9.56	L1
5	0.213	38.80	63.09	24.29	23.62	53.09	29.47	9.54	L1
6	0.353	38.34	58.90	20.56	25.82	48.90	23.08	9.78	L1

Note:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- Margin[dB] = Limit[dBμV] - Level[dBμV]



4.4 Maximum e.i.r.p. Output Power

Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 12.4.2(Straddle Channel) &12.4.3.2(Other Channel).

Test Settings

1. PM-G:
Set to the maximum power setting and enable the EUT transmit continuously.
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.
Measure and record the results in the test report.
2. SA:
RBW = 1MHz
VBW $\geq$ 3MHz
Span = Encompass the EBW (or, alternatively, the entire 99% occupied bandwidth)
Sweep = Auto
Detector = power averaging (rms)

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**.

4.5 Maximum Power Spectral Density

Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.F

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 = 1MHz
4. VBW $\geq$ 3 times RBW
5. Sweep = Auto
6. Detector = RMS
7. Trace = Max hold
8. The trace was allowed to stabilize
9. 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 Emission Bandwidth

Limits

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.C.1.

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 = 1% - 5%(99%BW)
4. VBW = 3 times the RBW
5. Sweep = Auto
6. Detector = Peak
7. Trace = Max hold
8. The trace was allowed to stabilize
9. Measure and record the results in the test report.

Test Notes

The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X= 26. 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**.

4.7 Occupied Bandwidth

Limits

None, for reporting purposes only.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.D.

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 = 1% - 5%(99%BW)
4. VBW = 3 times the RBW
5. Sweep = Auto
6. Detector = Peak
7. Trace = Max hold
8. The trace was allowed to stabilize
9. 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 In-Band Emissions (Channel Mask)

Limits

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

Test Procedure

KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01 Section J.

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. Span = To encompass the entire 26 dB EBW of the signal.
4. RBW = Same RBW used for 26 dB EBW measurement.
5. VBW $\geq$ 3 times RBW.
6. Detector = RMS.
7. Sweep = Auto.
8. Point sweep $\geq$ 2 Span / RBW.
9. Trace = Max hold.
10. Trace average at least 100 traces in power averaging (rms) mode.
11. Use the peak search function on the instrument to find the peak of the spectrum.
12. 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**.

4.9 Contention Based Protocol

Limits

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm)¹. The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	Once	Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	Once	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

BW_{EUT} : Transmission bandwidth of EUT signal.

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal).

f_{c1} : Center frequency of EUT transmission.

f_{c2} : Center frequency of simulated incumbent signal.

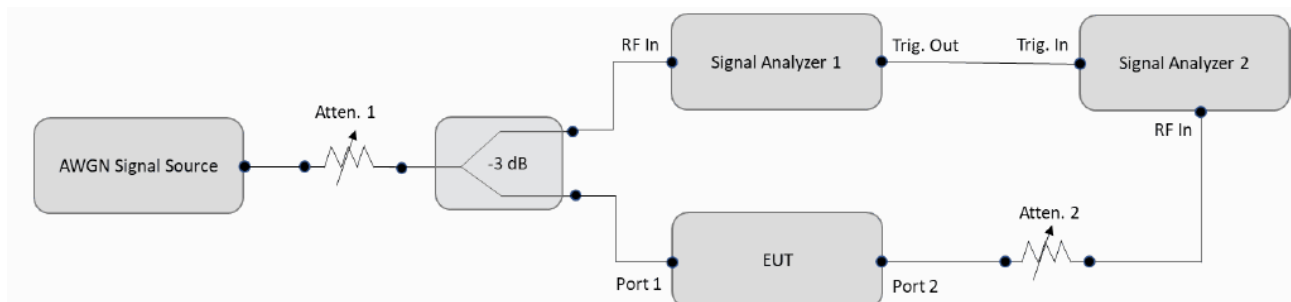
Test Procedure

KDB 987594 D02 U-NII 6GHz EMC Measurement v02r01 Section I.

Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

Test Setup



Measuring Instruments

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

Test Result

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

4.10 Unwanted Emissions

Limits

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

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	

Measurement methods

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 Section 6.4 & 6.5 & 6.6.
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.G.3 ~ 6.

Test Settings

1. 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.
2. 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 80cm above the ground plane.
3. 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.
4. 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.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. 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.
7. spectrum analyzer setting:
Measurements Below 1000MHz: RBW = 120 kHz; VBW ≥ 300 kHz; Detector = Peak
Measurements Above 1000MHz: RBW = 1 MHz; VBW ≥ 3 MHz; Detector = Peak
Average Measurements Above 1000MHz:
RBW = 1 MHz, VBW ≥ 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(dBμV) + Factor(dB):
Factor = Cable Factor(dB) + AF(dB/m) - Preamplifier gain(dB)
AF = Antenna Factor(dB/m)
Margin = Limit(dBμV/m) – Level(dBμV/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 - WIFI Setup Photos**

Appendix

Emission Bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11ac20MIMO	Ant1	5955	20.560	5944.480	5965.040	≤320	PASS
11ac20MIMO	Ant2	5955	20.680	5944.600	5965.280	≤320	PASS
11ac20MIMO	Ant1	6175	20.880	6164.760	6185.640	≤320	PASS
11ac20MIMO	Ant2	6175	20.880	6164.640	6185.520	≤320	PASS
11ac20MIMO	Ant1	6415	20.440	6404.960	6425.400	≤320	PASS
11ac20MIMO	Ant2	6415	20.760	6404.720	6425.480	≤320	PASS
11ac20MIMO	Ant1	6435	20.680	6424.720	6445.400	≤320	PASS
11ac20MIMO	Ant2	6435	20.200	6424.840	6445.040	≤320	PASS
11ac20MIMO	Ant1	6475	20.920	6464.600	6485.520	≤320	PASS
11ac20MIMO	Ant2	6475	20.840	6464.560	6485.400	≤320	PASS
11ac20MIMO	Ant1	6515	21.200	6504.520	6525.720	≤320	PASS
11ac20MIMO	Ant2	6515	20.440	6504.720	6525.160	≤320	PASS
11ac20MIMO	Ant1	6535	21.280	6524.480	6545.760	≤320	PASS
11ac20MIMO	Ant2	6535	20.320	6524.840	6545.160	≤320	PASS
11ac20MIMO	Ant1	6695	20.880	6684.480	6705.360	≤320	PASS
11ac20MIMO	Ant2	6695	20.720	6684.760	6705.480	≤320	PASS
11ac20MIMO	Ant1	6855	21.320	6844.280	6865.600	≤320	PASS
11ac20MIMO	Ant2	6855	20.880	6844.600	6865.480	≤320	PASS
11ac20MIMO	Ant1	6875	20.880	6864.560	6885.440	≤320	PASS
11ac20MIMO	Ant2	6875	20.800	6864.400	6885.200	≤320	PASS
11ac20MIMO	Ant1	6895	21.240	6884.560	6905.800	≤320	PASS
11ac20MIMO	Ant2	6895	20.600	6884.600	6905.200	≤320	PASS
11ac20MIMO	Ant1	6995	21.280	6984.320	7005.600	≤320	PASS
11ac20MIMO	Ant2	6995	20.240	6984.960	7005.200	≤320	PASS
11ac20MIMO	Ant1	7115	21.080	7104.440	7125.520	≤320	PASS
11ac20MIMO	Ant2	7115	20.200	7104.800	7125.000	≤320	PASS
11ac40MIMO	Ant1	5965	45.040	5944.840	5989.880	≤320	PASS
11ac40MIMO	Ant2	5965	40.320	5945.000	5985.320	≤320	PASS
11ac40MIMO	Ant1	6165	40.720	6144.760	6185.480	≤320	PASS
11ac40MIMO	Ant2	6165	40.000	6145.080	6185.080	≤320	PASS
11ac40MIMO	Ant1	6405	40.240	6385.000	6425.240	≤320	PASS
11ac40MIMO	Ant2	6405	39.600	6385.240	6424.840	≤320	PASS
11ac40MIMO	Ant1	6445	40.160	6425.080	6465.240	≤320	PASS
11ac40MIMO	Ant2	6445	40.320	6424.920	6465.240	≤320	PASS
11ac40MIMO	Ant1	6485	40.480	6465.000	6505.480	≤320	PASS
11ac40MIMO	Ant2	6485	39.920	6465.240	6505.160	≤320	PASS
11ac40MIMO	Ant1	6525	40.960	6504.600	6545.560	≤320	PASS
11ac40MIMO	Ant2	6525	40.160	6504.920	6545.080	≤320	PASS
11ac40MIMO	Ant1	6565	40.320	6544.840	6585.160	≤320	PASS
11ac40MIMO	Ant2	6565	40.080	6545.160	6585.240	≤320	PASS
11ac40MIMO	Ant1	6685	40.240	6665.000	6705.240	≤320	PASS
11ac40MIMO	Ant2	6685	39.760	6665.080	6704.840	≤320	PASS
11ac40MIMO	Ant1	6845	40.320	6824.760	6865.080	≤320	PASS
11ac40MIMO	Ant2	6845	39.520	6825.160	6864.680	≤320	PASS
11ac40MIMO	Ant1	6885	40.800	6864.520	6905.320	≤320	PASS
11ac40MIMO	Ant2	6885	40.320	6865.080	6905.400	≤320	PASS
11ac40MIMO	Ant1	6925	40.560	6904.760	6945.320	≤320	PASS
11ac40MIMO	Ant2	6925	39.840	6905.000	6944.840	≤320	PASS
11ac40MIMO	Ant1	6965	40.480	6944.760	6985.240	≤320	PASS
11ac40MIMO	Ant2	6965	40.320	6944.760	6985.080	≤320	PASS
11ac40MIMO	Ant1	7085	40.720	7064.600	7105.320	≤320	PASS
11ac40MIMO	Ant2	7085	40.160	7065.080	7105.240	≤320	PASS
11ac80MIMO	Ant1	5985	79.680	5945.160	6024.840	≤320	PASS
11ac80MIMO	Ant2	5985	79.840	5945.000	6024.840	≤320	PASS
11ac80MIMO	Ant1	6145	80.160	6105.000	6185.160	≤320	PASS
11ac80MIMO	Ant2	6145	80.000	6105.160	6185.160	≤320	PASS

11ac80MIMO	Ant1	6385	80.160	6345.000	6425.160	≤320	PASS
11ac80MIMO	Ant2	6385	79.840	6345.160	6425.000	≤320	PASS
11ac80MIMO	Ant1	6465	80.000	6425.000	6505.000	≤320	PASS
11ac80MIMO	Ant2	6465	79.840	6425.160	6505.000	≤320	PASS
11ac80MIMO	Ant1	6545	80.000	6505.000	6585.000	≤320	PASS
11ac80MIMO	Ant2	6545	80.320	6504.840	6585.160	≤320	PASS
11ac80MIMO	Ant1	6625	80.160	6584.840	6665.000	≤320	PASS
11ac80MIMO	Ant2	6625	79.520	6585.320	6664.840	≤320	PASS
11ac80MIMO	Ant1	6705	80.320	6664.840	6745.160	≤320	PASS
11ac80MIMO	Ant2	6705	79.520	6665.320	6744.840	≤320	PASS
11ac80MIMO	Ant1	6785	80.160	6745.000	6825.160	≤320	PASS
11ac80MIMO	Ant2	6785	79.680	6745.320	6825.000	≤320	PASS
11ac80MIMO	Ant1	6865	80.320	6824.840	6905.160	≤320	PASS
11ac80MIMO	Ant2	6865	80.000	6825.000	6905.000	≤320	PASS
11ac80MIMO	Ant1	6945	79.840	6905.160	6985.000	≤320	PASS
11ac80MIMO	Ant2	6945	79.840	6905.160	6985.000	≤320	PASS
11ac80MIMO	Ant1	7025	79.840	6985.160	7065.000	≤320	PASS
11ac80MIMO	Ant2	7025	79.680	6985.160	7064.840	≤320	PASS
11ax20MIMO	Ant1	5955	21.280	5944.400	5965.680	≤320	PASS
11ax20MIMO	Ant2	5955	20.960	5944.720	5965.680	≤320	PASS
11ax20MIMO	Ant1	6175	20.880	6164.560	6185.440	≤320	PASS
11ax20MIMO	Ant2	6175	20.920	6164.600	6185.520	≤320	PASS
11ax20MIMO	Ant1	6415	21.560	6404.360	6425.920	≤320	PASS
11ax20MIMO	Ant2	6415	21.120	6404.320	6425.440	≤320	PASS
11ax20MIMO	Ant1	6435	21.160	6424.280	6445.440	≤320	PASS
11ax20MIMO	Ant2	6435	21.240	6424.160	6445.400	≤320	PASS
11ax20MIMO	Ant1	6475	21.320	6464.360	6485.680	≤320	PASS
11ax20MIMO	Ant2	6475	21.640	6464.400	6486.040	≤320	PASS
11ax20MIMO	Ant1	6515	21.280	6503.960	6525.240	≤320	PASS
11ax20MIMO	Ant2	6515	21.200	6504.240	6525.440	≤320	PASS
11ax20MIMO	Ant1	6535	21.360	6524.400	6545.760	≤320	PASS
11ax20MIMO	Ant2	6535	21.240	6524.280	6545.520	≤320	PASS
11ax20MIMO	Ant1	6695	21.000	6684.560	6705.560	≤320	PASS
11ax20MIMO	Ant2	6695	21.560	6684.040	6705.600	≤320	PASS
11ax20MIMO	Ant1	6855	21.360	6844.400	6865.760	≤320	PASS
11ax20MIMO	Ant2	6855	21.120	6844.520	6865.640	≤320	PASS
11ax20MIMO	Ant1	6875	21.680	6863.880	6885.560	≤320	PASS
11ax20MIMO	Ant2	6875	20.840	6864.560	6885.400	≤320	PASS
11ax20MIMO	Ant1	6895	21.160	6884.600	6905.760	≤320	PASS
11ax20MIMO	Ant2	6895	21.080	6884.440	6905.520	≤320	PASS
11ax20MIMO	Ant1	6995	21.280	6984.400	7005.680	≤320	PASS
11ax20MIMO	Ant2	6995	21.280	6984.480	7005.760	≤320	PASS
11ax20MIMO	Ant1	7115	21.160	7104.440	7125.600	≤320	PASS
11ax20MIMO	Ant2	7115	21.440	7104.200	7125.640	≤320	PASS
11ax40MIMO	Ant1	5965	39.440	5945.240	5984.680	≤320	PASS
11ax40MIMO	Ant2	5965	39.600	5945.240	5984.840	≤320	PASS
11ax40MIMO	Ant1	6165	39.360	6145.400	6184.760	≤320	PASS
11ax40MIMO	Ant2	6165	39.360	6145.320	6184.680	≤320	PASS
11ax40MIMO	Ant1	6405	39.520	6385.240	6424.760	≤320	PASS
11ax40MIMO	Ant2	6405	39.440	6385.320	6424.760	≤320	PASS
11ax40MIMO	Ant1	6445	39.440	6425.240	6464.680	≤320	PASS
11ax40MIMO	Ant2	6445	39.600	6425.320	6464.920	≤320	PASS
11ax40MIMO	Ant1	6485	39.520	6465.240	6504.760	≤320	PASS
11ax40MIMO	Ant2	6485	39.520	6465.240	6504.760	≤320	PASS
11ax40MIMO	Ant1	6525	39.680	6505.080	6544.760	≤320	PASS
11ax40MIMO	Ant2	6525	39.600	6505.320	6544.920	≤320	PASS
11ax40MIMO	Ant1	6565	39.600	6545.240	6584.840	≤320	PASS
11ax40MIMO	Ant2	6565	39.520	6545.240	6584.760	≤320	PASS
11ax40MIMO	Ant1	6685	39.600	6665.240	6704.840	≤320	PASS
11ax40MIMO	Ant2	6685	39.520	6665.240	6704.760	≤320	PASS
11ax40MIMO	Ant1	6845	39.600	6825.240	6864.840	≤320	PASS
11ax40MIMO	Ant2	6845	39.600	6825.160	6864.760	≤320	PASS
11ax40MIMO	Ant1	6885	39.680	6865.240	6904.920	≤320	PASS
11ax40MIMO	Ant2	6885	39.200	6865.400	6904.600	≤320	PASS
11ax40MIMO	Ant1	6925	39.520	6905.240	6944.760	≤320	PASS
11ax40MIMO	Ant2	6925	39.600	6905.240	6944.840	≤320	PASS
11ax40MIMO	Ant1	6965	39.360	6945.320	6984.680	≤320	PASS
11ax40MIMO	Ant2	6965	39.600	6945.240	6984.840	≤320	PASS

11ax40MIMO	Ant1	7085	39.600	7065.240	7104.840	≤320	PASS
11ax40MIMO	Ant2	7085	39.680	7065.240	7104.920	≤320	PASS
11ax80MIMO	Ant1	5985	80.160	5945.000	6025.160	≤320	PASS
11ax80MIMO	Ant2	5985	80.480	5944.840	6025.320	≤320	PASS
11ax80MIMO	Ant1	6145	80.160	6105.000	6185.160	≤320	PASS
11ax80MIMO	Ant2	6145	80.640	6104.680	6185.320	≤320	PASS
11ax80MIMO	Ant1	6385	80.480	6344.840	6425.320	≤320	PASS
11ax80MIMO	Ant2	6385	80.480	6344.840	6425.320	≤320	PASS
11ax80MIMO	Ant1	6465	80.480	6424.680	6505.160	≤320	PASS
11ax80MIMO	Ant2	6465	80.640	6424.680	6505.320	≤320	PASS
11ax80MIMO	Ant1	6545	80.480	6504.840	6585.320	≤320	PASS
11ax80MIMO	Ant2	6545	80.320	6504.840	6585.160	≤320	PASS
11ax80MIMO	Ant1	6625	80.320	6584.840	6665.160	≤320	PASS
11ax80MIMO	Ant2	6625	80.480	6584.680	6665.160	≤320	PASS
11ax80MIMO	Ant1	6705	80.320	6665.000	6745.320	≤320	PASS
11ax80MIMO	Ant2	6705	80.320	6664.840	6745.160	≤320	PASS
11ax80MIMO	Ant1	6785	80.480	6744.840	6825.320	≤320	PASS
11ax80MIMO	Ant2	6785	80.320	6744.840	6825.160	≤320	PASS
11ax80MIMO	Ant1	6865	80.320	6824.840	6905.160	≤320	PASS
11ax80MIMO	Ant2	6865	80.480	6824.840	6905.320	≤320	PASS
11ax80MIMO	Ant1	6945	80.480	6904.840	6985.320	≤320	PASS
11ax80MIMO	Ant2	6945	80.160	6905.000	6985.160	≤320	PASS
11ax80MIMO	Ant1	7025	80.480	6984.840	7065.320	≤320	PASS
11ax80MIMO	Ant2	7025	80.320	6984.840	7065.160	≤320	PASS

Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11ac20MIMO	Ant1	5955	17.802	5946.1112	5963.9132	---	---
11ac20MIMO	Ant2	5955	17.892	5946.0968	5963.9888	---	---
11ac20MIMO	Ant1	6175	17.817	6166.1324	6183.9494	---	---
11ac20MIMO	Ant2	6175	17.812	6166.1286	6183.9406	---	---
11ac20MIMO	Ant1	6415	17.822	6406.1123	6423.9343	---	---
11ac20MIMO	Ant2	6415	17.774	6406.1374	6423.9114	---	---
11ac20MIMO	Ant1	6435	17.808	6426.1360	6443.9440	---	---
11ac20MIMO	Ant2	6435	17.764	6426.1209	6443.8849	---	---
11ac20MIMO	Ant1	6475	17.807	6466.1223	6483.9293	---	---
11ac20MIMO	Ant2	6475	17.820	6466.1154	6483.9354	---	---
11ac20MIMO	Ant1	6515	17.812	6506.1177	6523.9297	---	---
11ac20MIMO	Ant2	6515	17.801	6506.1166	6523.9176	---	---
11ac20MIMO	Ant1	6535	17.784	6526.0965	6543.8805	---	---
11ac20MIMO	Ant2	6535	17.800	6526.1090	6543.9090	---	---
11ac20MIMO	Ant1	6695	17.770	6686.1363	6703.9063	---	---
11ac20MIMO	Ant2	6695	17.765	6686.1444	6703.9094	---	---
11ac20MIMO	Ant1	6855	17.800	6846.1346	6863.9346	---	---
11ac20MIMO	Ant2	6855	17.812	6846.1384	6863.9504	---	---
11ac20MIMO	Ant1	6875	17.863	6866.1161	6883.9791	---	---
11ac20MIMO	Ant2	6875	17.871	6866.0739	6883.9449	---	---
11ac20MIMO	Ant1	6895	17.862	6886.1093	6903.9713	---	---
11ac20MIMO	Ant2	6895	17.798	6886.0801	6903.8781	---	---
11ac20MIMO	Ant1	6995	17.847	6986.1266	7003.9736	---	---
11ac20MIMO	Ant2	6995	17.819	6986.1150	7003.9340	---	---
11ac20MIMO	Ant1	7115	17.797	7106.1472	7123.9442	---	---
11ac20MIMO	Ant2	7115	17.817	7106.0746	7123.8916	---	---
11ac40MIMO	Ant1	5965	36.234	5946.9689	5983.2029	---	---
11ac40MIMO	Ant2	5965	36.215	5947.0057	5983.2207	---	---
11ac40MIMO	Ant1	6165	36.134	6146.9799	6183.1139	---	---
11ac40MIMO	Ant2	6165	36.094	6147.0116	6183.1056	---	---
11ac40MIMO	Ant1	6405	36.081	6387.0327	6423.1137	---	---
11ac40MIMO	Ant2	6405	36.141	6386.9770	6423.1180	---	---
11ac40MIMO	Ant1	6445	36.184	6426.8745	6463.0585	---	---
11ac40MIMO	Ant2	6445	36.081	6426.9789	6463.0599	---	---
11ac40MIMO	Ant1	6485	36.138	6466.9775	6503.1155	---	---
11ac40MIMO	Ant2	6485	36.104	6467.0231	6503.1271	---	---
11ac40MIMO	Ant1	6525	36.138	6506.8934	6543.0314	---	---
11ac40MIMO	Ant2	6525	36.134	6506.9667	6543.1007	---	---
11ac40MIMO	Ant1	6565	36.229	6546.9576	6583.1866	---	---
11ac40MIMO	Ant2	6565	36.152	6547.0013	6583.1533	---	---
11ac40MIMO	Ant1	6685	36.129	6666.9572	6703.0862	---	---
11ac40MIMO	Ant2	6685	36.093	6667.0182	6703.1112	---	---
11ac40MIMO	Ant1	6845	36.216	6826.9168	6863.1328	---	---
11ac40MIMO	Ant2	6845	36.122	6826.9524	6863.0744	---	---
11ac40MIMO	Ant1	6885	36.191	6866.9347	6903.1257	---	---
11ac40MIMO	Ant2	6885	36.099	6867.0064	6903.1054	---	---
11ac40MIMO	Ant1	6925	36.143	6906.9710	6943.1140	---	---
11ac40MIMO	Ant2	6925	36.088	6906.9397	6943.0277	---	---
11ac40MIMO	Ant1	6965	36.185	6946.9417	6983.1267	---	---
11ac40MIMO	Ant2	6965	36.170	6946.9266	6983.0966	---	---
11ac40MIMO	Ant1	7085	36.187	7066.9122	7103.0992	---	---
11ac40MIMO	Ant2	7085	36.212	7066.9336	7103.1456	---	---
11ac80MIMO	Ant1	5985	75.805	5947.2161	6023.0211	---	---
11ac80MIMO	Ant2	5985	75.798	5947.1541	6022.9521	---	---
11ac80MIMO	Ant1	6145	76.045	6107.0776	6183.1226	---	---
11ac80MIMO	Ant2	6145	75.957	6107.0324	6182.9894	---	---
11ac80MIMO	Ant1	6385	76.017	6347.0774	6423.0944	---	---
11ac80MIMO	Ant2	6385	75.929	6347.1142	6423.0432	---	---
11ac80MIMO	Ant1	6465	75.900	6427.1561	6503.0561	---	---
11ac80MIMO	Ant2	6465	75.911	6427.1834	6503.0944	---	---
11ac80MIMO	Ant1	6545	76.070	6507.0665	6583.1365	---	---
11ac80MIMO	Ant2	6545	75.814	6507.1341	6582.9481	---	---

11ac80MIMO	Ant1	6625	75.912	6587.0703	6662.9823	---	---
11ac80MIMO	Ant2	6625	75.971	6587.0840	6663.0550	---	---
11ac80MIMO	Ant1	6705	75.764	6667.3013	6743.0653	---	---
11ac80MIMO	Ant2	6705	75.882	6667.1591	6743.0411	---	---
11ac80MIMO	Ant1	6785	75.714	6747.2604	6822.9744	---	---
11ac80MIMO	Ant2	6785	75.921	6747.1173	6823.0383	---	---
11ac80MIMO	Ant1	6865	75.814	6827.1936	6903.0076	---	---
11ac80MIMO	Ant2	6865	75.872	6827.0774	6902.9494	---	---
11ac80MIMO	Ant1	6945	75.900	6907.1727	6983.0727	---	---
11ac80MIMO	Ant2	6945	75.911	6907.0200	6982.9310	---	---
11ac80MIMO	Ant1	7025	75.949	6987.0795	7063.0285	---	---
11ac80MIMO	Ant2	7025	75.869	6987.1535	7063.0225	---	---
11ax20MIMO	Ant1	5955	18.927	5945.5774	5964.5044	---	---
11ax20MIMO	Ant2	5955	18.918	5945.5774	5964.4954	---	---
11ax20MIMO	Ant1	6175	18.866	6165.5711	6184.4371	---	---
11ax20MIMO	Ant2	6175	18.939	6165.5585	6184.4975	---	---
11ax20MIMO	Ant1	6415	18.926	6405.5742	6424.5002	---	---
11ax20MIMO	Ant2	6415	18.956	6405.5531	6424.5091	---	---
11ax20MIMO	Ant1	6435	18.905	6425.5863	6444.4913	---	---
11ax20MIMO	Ant2	6435	18.957	6425.5518	6444.5088	---	---
11ax20MIMO	Ant1	6475	18.916	6465.5882	6484.5042	---	---
11ax20MIMO	Ant2	6475	18.944	6465.5806	6484.5246	---	---
11ax20MIMO	Ant1	6515	18.930	6505.5427	6524.4727	---	---
11ax20MIMO	Ant2	6515	18.928	6505.5784	6524.5064	---	---
11ax20MIMO	Ant1	6535	18.916	6525.5607	6544.4767	---	---
11ax20MIMO	Ant2	6535	18.956	6525.5584	6544.5144	---	---
11ax20MIMO	Ant1	6695	18.885	6685.6055	6704.4905	---	---
11ax20MIMO	Ant2	6695	18.862	6685.5509	6704.4129	---	---
11ax20MIMO	Ant1	6855	18.947	6845.5715	6864.5185	---	---
11ax20MIMO	Ant2	6855	18.923	6845.5676	6864.4906	---	---
11ax20MIMO	Ant1	6875	18.978	6865.5350	6884.5130	---	---
11ax20MIMO	Ant2	6875	18.941	6865.5351	6884.4761	---	---
11ax20MIMO	Ant1	6895	18.969	6885.5712	6904.5402	---	---
11ax20MIMO	Ant2	6895	18.944	6885.5624	6904.5064	---	---
11ax20MIMO	Ant1	6995	18.972	6985.5523	7004.5243	---	---
11ax20MIMO	Ant2	6995	18.932	6985.5675	7004.4995	---	---
11ax20MIMO	Ant1	7115	18.927	7105.5459	7124.4729	---	---
11ax20MIMO	Ant2	7115	18.982	7105.5247	7124.5067	---	---
11ax40MIMO	Ant1	5965	37.554	5946.3379	5983.8919	---	---
11ax40MIMO	Ant2	5965	37.611	5946.2655	5983.8765	---	---
11ax40MIMO	Ant1	6165	37.608	6146.2634	6183.8714	---	---
11ax40MIMO	Ant2	6165	37.576	6146.3077	6183.8837	---	---
11ax40MIMO	Ant1	6405	37.624	6386.2877	6423.9117	---	---
11ax40MIMO	Ant2	6405	37.602	6386.2664	6423.8684	---	---
11ax40MIMO	Ant1	6445	37.643	6426.1570	6463.8000	---	---
11ax40MIMO	Ant2	6445	37.459	6426.2778	6463.7368	---	---
11ax40MIMO	Ant1	6485	37.583	6466.2770	6503.8600	---	---
11ax40MIMO	Ant2	6485	37.552	6466.3001	6503.8521	---	---
11ax40MIMO	Ant1	6525	37.567	6506.2425	6543.8095	---	---
11ax40MIMO	Ant2	6525	37.667	6506.2035	6543.8705	---	---
11ax40MIMO	Ant1	6565	37.619	6546.2315	6583.8505	---	---
11ax40MIMO	Ant2	6565	37.536	6546.2826	6583.8186	---	---
11ax40MIMO	Ant1	6685	37.612	6666.2936	6703.9056	---	---
11ax40MIMO	Ant2	6685	37.575	6666.2314	6703.8064	---	---
11ax40MIMO	Ant1	6845	37.648	6826.2480	6863.8960	---	---
11ax40MIMO	Ant2	6845	37.518	6826.2522	6863.7702	---	---
11ax40MIMO	Ant1	6885	37.620	6866.2126	6903.8326	---	---
11ax40MIMO	Ant2	6885	37.614	6866.1985	6903.8125	---	---
11ax40MIMO	Ant1	6925	37.642	6906.1892	6943.8312	---	---
11ax40MIMO	Ant2	6925	37.600	6906.2071	6943.8071	---	---
11ax40MIMO	Ant1	6965	37.658	6946.2419	6983.8999	---	---
11ax40MIMO	Ant2	6965	37.515	6946.2704	6983.7854	---	---
11ax40MIMO	Ant1	7085	37.574	7066.2499	7103.8239	---	---
11ax40MIMO	Ant2	7085	37.600	7066.2019	7103.8019	---	---
11ax80MIMO	Ant1	5985	77.465	5946.4086	6023.8736	---	---
11ax80MIMO	Ant2	5985	77.352	5946.4173	6023.7693	---	---
11ax80MIMO	Ant1	6145	77.589	6106.2787	6183.8677	---	---
11ax80MIMO	Ant2	6145	77.565	6106.3081	6183.8731	---	---

11ax80MIMO	Ant1	6385	77.653	6346.2476	6423.9006	---	---
11ax80MIMO	Ant2	6385	77.601	6346.2953	6423.8963	---	---
11ax80MIMO	Ant1	6465	77.438	6426.2957	6503.7337	---	---
11ax80MIMO	Ant2	6465	77.459	6426.3968	6503.8558	---	---
11ax80MIMO	Ant1	6545	77.507	6506.3950	6583.9020	---	---
11ax80MIMO	Ant2	6545	77.505	6506.3579	6583.8629	---	---
11ax80MIMO	Ant1	6625	77.468	6586.2379	6663.7059	---	---
11ax80MIMO	Ant2	6625	77.522	6586.3059	6663.8279	---	---
11ax80MIMO	Ant1	6705	77.448	6666.4406	6743.8886	---	---
11ax80MIMO	Ant2	6705	77.495	6666.3174	6743.8124	---	---
11ax80MIMO	Ant1	6785	77.420	6746.4400	6823.8600	---	---
11ax80MIMO	Ant2	6785	77.462	6746.3343	6823.7963	---	---
11ax80MIMO	Ant1	6865	77.552	6826.3016	6903.8536	---	---
11ax80MIMO	Ant2	6865	77.745	6826.2174	6903.9624	---	---
11ax80MIMO	Ant1	6945	77.576	6906.4054	6983.9814	---	---
11ax80MIMO	Ant2	6945	77.697	6906.1748	6983.8718	---	---
11ax80MIMO	Ant1	7025	77.447	6986.4144	7063.8614	---	---
11ax80MIMO	Ant2	7025	77.393	6986.3684	7063.7614	---	---

Test Graphs

