



FCC Radio Test Report

FCC ID: 2BH7FEAP7750D

This report concerns: Original Grant

Project No. : 2604C166
Equipment : BE11000 Indoor/Outdoor Wi-Fi 7 Access Point
Brand Name : Omada
Model Name : EAP775-Outdoor
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Date of Receipt : Apr. 15, 2026
Date of Test : Apr. 20, 2026 ~ Jun. 10, 2026
Issued Date : Aug. 27, 2026
Test Sample : Engineering Sample No.: DG920260415228 for Radiated and AC Power
Line Conducted Emissions, DG920260415232 for Output Power,
DG092026043072 for Others.
Standard(s) : FCC CFR Title 47, Part 15, Subpart E

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2604C166	R00	Original Report.	Aug. 13, 2026	Invalid
BTL-FCCP-4-2604C166	R01	This report updated the antenna information in page 12-13. It is a revision of the report BTL-FCCP-4-2604C166 R00. This is a newly released report, replacing the BTL-FCCP-4-2604C166 R00 report.	Aug. 27, 2026	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standard:

ANSI C63.10-2020

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart E				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.407(a) 15.407(e)	Bandwidth	APPENDIX E	PASS	-----
15.407(a)	Maximum Output Power	APPENDIX F	PASS	-----
15.407(a)	Power Spectral Density	APPENDIX G	PASS	-----
15.407(g)	Frequency Stability	-----	NOTE (5)	-----
15.203	Antenna Requirements	-----	PASS	NOTE (2)
15.407(c)	Automatically Discontinue Transmission	-----	PASS	NOTE (3)

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a non-standard antenna jack and permanently attached antenna jack were considered sufficient to comply with the provisions of 15.203.
- (3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) For UNII-1 this device was functioned as a
 - ☒ Outdoor access point device
 - ☒ Indoor access point device
 - ☐ Fixed point-to-point access points device
 - ☐ Client device
- (5) The item is declared by the manufacturer.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DGDLC02	CISPR	150kHz ~ 30MHz	2.66

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	U,(dB)
DGDLCB03	CISPR	9kHz ~ 30MHz	2.26

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DGDLCB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

Test Site	Method	Measurement Frequency Range	U,(dB)
DGDLCB03 (3m)	CISPR	1GHz ~ 6GHz	4.16
		6GHz ~ 18GHz	4.74

Test Site	Method	Measurement Frequency Range	U,(dB)
DGDLCB03 (3m)	CISPR	18 ~ 26.5 GHz	3.38
		26.5 ~ 40 GHz	3.58

C. Other Measurement test:

Test Item	Uncertainty
Bandwidth	0.75 %
Maximum Output Power	1.3 dB
Power Spectral Density	1.8 dB
Temperature	0.7 °C
Humidity	1.7 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
AC Power Line Conducted Emissions	21°C	55%	AC 120V/60Hz	Hayden Chen	Apr. 29, 2026
Radiated Emissions -9kHz to 30MHz	23°C	44%	PoE 48V	Hayden Chen	Apr. 28, 2026
Radiated Emissions -30MHz to 1000MHz	24°C	50%	PoE 48V	Torin Long	May 07, 2026
Radiated Emissions -Above 1000 MHz	23-24°C	50%	PoE 48V	Torin Long Lafu Li Chen Mo	May 01, 2026- May 07, 2026
	24°C	51%	PoE 48V	Jensen Zhou Torin Long	Apr. 28, 2026- Apr. 30, 2026
Bandwidth	24-28°C	49-55%	PoE 48V	Jensen Zhou	May 01, 2026- May 04, 2026
Maximum Output Power	22-24°C	41-67%	PoE 48V	Steve Zhou Andrew Jiang	Apr. 24, 2026- May 18, 2026
	24-26°C	50-53%	PoE 48V	Andrew Jiang Alex Yin	May 20, 2026- Jun. 03, 2026
Power Spectral Density	24-28°C	49-55%	PoE 48V	Jensen Zhou	May 01, 2026- May 04, 2026
Power Spectral Density (Directional Antenna_straddle channel)	25°C	50%	PoE 48V	Jay Wei	Jun. 10, 2026

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment		BE11000 Indoor/Outdoor Wi-Fi 7 Access Point
Brand Name		Omada
Test Model		EAP775-Outdoor
Model Name		EAP775-Outdoor
Model Difference(s)		N/A
Software Version		1.0
Hardware Version		1.0
Power Source		Supplied from 802.3at PoE.
Power Rating		42.5-57V  0.6A
Operation Frequency Band(s)		UNII-1: 5150 MHz ~ 5250 MHz UNII-2A: 5250 MHz ~ 5350 MHz UNII-2C: 5470 MHz ~ 5725 MHz UNII-3: 5725 MHz ~ 5850 MHz
Modulation Type		IEEE 802.11a/n/ac: OFDM IEEE 802.11ax/be: OFDMA
Bit Rate of Transmitter		IEEE 802.11a: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps IEEE 802.11ac: up to 1733.4 Mbps IEEE 802.11ax: up to 2402 Mbps IEEE 802.11be: up to 4326 Mbps
Omnidirectional Antenna	Maximum Output Power UNII-1	IEEE 802.11be(EHT160): 24.67 dBm (0.2931 W)
	Maximum Output Power UNII-2A	IEEE 802.11be(EHT40): 23.93 dBm (0.2473 W)
	Maximum Output Power UNII-2C	IEEE 802.11ac(VHT40): 23.89 dBm (0.2447 W)
	Maximum Output Power UNII-3	IEEE 802.11be(EHT20): 28.65 dBm (0.7336 W)
Directional Antenna	Maximum Output Power UNII-1	IEEE 802.11be(EHT40): 25.33 dBm (0.3413 W)
	Maximum Output Power UNII-2A	IEEE 802.11be(EHT80): 19.55 dBm (0.0901 W)
	Maximum Output Power UNII-2C	IEEE 802.11be(EHT240): 20.48 dBm (0.1117 W)
	Maximum Output Power UNII-3	IEEE 802.11ac(VHT20): 26.50 dBm (0.4470 W)

Note:

1. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

2. Channel List:

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20) IEEE 802.11be(EHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40) IEEE 802.11be(EHT40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80) IEEE 802.11be(EHT80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20) IEEE 802.11be(EHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40) IEEE 802.11be(EHT40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80) IEEE 802.11be(EHT80)	
UNII-2A		UNII-2A		UNII-2A	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270	58	5290
56	5280	62	5310		
60	5300				
64	5320				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20) IEEE 802.11be(EHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40) IEEE 802.11be(EHT40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80) IEEE 802.11be(EHT80)	
UNII-2C		UNII-2C		UNII-2C	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590		
112	5560	126	5630		
116	5580	134	5670		
120	5600				
124	5620				
128	5640				
132	5660				
136	5680				
140	5700				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20) IEEE 802.11be(EHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40) IEEE 802.11be(EHT40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80) IEEE 802.11be(EHT80)	
UNII-3		UNII-3		UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755	155	5775
153	5765	159	5795		
157	5785				
161	5805				
165	5825				

IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) IEEE 802.11ax(HE20) IEEE 802.11be(EHT20)		IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) IEEE 802.11ax(HE40) IEEE 802.11be(EHT40)		IEEE 802.11ac(VHT80) IEEE 802.11ax(HE80) IEEE 802.11be(EHT80)	
UNII-2C+UNII-3		UNII-2C+UNII-3		UNII-2C+UNII-3	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
144	5720	142	5710	138	5690

IEEE 802.11ac(VHT160) IEEE 802.11ax(HE160) IEEE 802.11be(EHT160)	
Channel	Frequency (MHz)
50	5250
114	5570

IEEE 802.11be(EHT240)	
Channel	Frequency (MHz)
122	5610

3. Antenna Specification:

Omnidirectional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Band
1		EAP775-Outdoor(US) 1.0	Dipole	RP-SMA	4.25	UNII-1
					4.25	UNII-2A
					3.98	UNII-2C
					3.85	UNII-3
2		EAP775-Outdoor(US) 1.0	Dipole	RP-SMA	4.38	UNII-1
					4.38	UNII-2A
					4.03	UNII-2C
					4.00	UNII-3

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$),
so the UNII-1&UNII-2A Directional gain=4.38, the UNII-2C Directional gain=4.03, the UNII-3 Directional gain=4.00.

For power spectral density measurements, the Directional gain(each angle)
 $= 10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N]$ dBi,
 so the UNII-1&UNII-2A Directional gain(each angle)= $10\log[(10^{4.25/20} + 10^{3.27/20})^2 / 2]$ dBi=6.78,
 the UNII-1 power spectral density limit is $17 - (6.78 - 6) = 16.22$,
 the UNII-2A power spectral density limit is $11 - (6.78 - 6) = 10.22$,
 so the UNII-2C&UNII-3 Directional gain(each angle)= $10\log[(10^{3.85/20} + 10^{2.47/20})^2 / 2]$ dBi=6.20,
 the UNII-2C power spectral density limit is $11 - (6.20 - 6) = 10.80$,
 the UNII-3 power spectral density limit is $30 - (6.20 - 6) = 29.80$.

- 2) Beamforming Gain: 3 dB.

Directional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Band
1		EAP775-Outdoor(US) 1.0	Microstrip	N/A	10.12	UNII-1
					10.12	UNII-2A
					9.33	UNII-2C
					9.33	UNII-3
2		EAP775-Outdoor(US) 1.0	Microstrip	N/A	10.41	UNII-1
					10.41	UNII-2A
					9.48	UNII-2C
					9.48	UNII-3

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$.
For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$),
so the UNII-1&UNII-2A Directional gain=10.41, the UNII-1 output power limit is $30 - (10.41 - 6) = 25.59$,
the UNII-2A output power limit is $23.98 - (10.41 - 6) = 19.57$,
the UNII-2C&UNII-3 Directional gain=9.48, the UNII-2C output power limit is $23.98 - (9.48 - 6) = 20.50$,
the UNII-3 output power limit is $30 - (9.48 - 6) = 26.52$.

For power spectral density measurements, $N_{ANT} = 2$, $N_{SS} = 1$.
 So the UNII-1 Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT} / N_{SS})$ dBi
 $= 10.41 + 10\log(2/1)$ dBi=13.42, the power spectral density limit is $17 - (13.42 - 6) = 9.58$,
 the UNII-2A Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT} / N_{SS})$ dBi
 $= 10.41 + 10\log(2/1)$ dBi=13.42, the power spectral density limit is $11 - (13.42 - 6) = 3.58$,
 the UNII-2C Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT} / N_{SS})$ dBi
 $= 9.48 + 10\log(2/1)$ dBi=12.49, the power spectral density limit is $11 - (12.49 - 6) = 4.51$,
 the UNII-3 Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT} / N_{SS})$ dBi
 $= 9.48 + 10\log(2/1)$ dBi=12.49, the power spectral density limit is $30 - (12.49 - 6) = 23.51$.

- 2) Beamforming Gain: 3 dB.

4. When elevation angle above 30 degrees of antenna specification:

Omnidirectional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		EAP775-Outdoor (US) 1.0	Dipole	RP-SMA	-4.74
2		EAP775-Outdoor (US) 1.0	Dipole	RP-SMA	-3.87

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=-3.87.
- 2) Beamforming Gain: 3 dB.

Directional Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		EAP775-Outdoor (US) 1.0	Microstrip	N/A	-5.35
2		EAP775-Outdoor (US) 1.0	Microstrip	N/A	-5.24

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=-5.24.
- 2) Beamforming Gain: 3 dB.

5. Table for Antenna Configuration:

Operating Mode	TX Mode	2TX
IEEE 802.11a		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11n(HT20)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11n(HT40)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ac(VHT20)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ac(VHT40)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ac(VHT80)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ac(VHT160)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ax(HE20)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ax(HE40)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ax(HE80)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11ax(HE160)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT20)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT40)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT80)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT160)		V (Omnidirectional Antenna or Directional Antenna)
IEEE 802.11be(EHT240)		V (Omnidirectional Antenna or Directional Antenna)

3.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX A Mode Channel 36/40/48 (UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48 (UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46 (UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42 (UNII-1)
Mode 5	TX BE(EHT20) Mode Channel 36/40/48 (UNII-1)
Mode 6	TX BE(EHT40) Mode Channel 38/46 (UNII-1)
Mode 7	TX BE(EHT80) Mode Channel 42 (UNII-1)
Mode 8	TX A Mode Channel 52/60/64 (UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62 (UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58 (UNII-2A)
Mode 12	TX BE(EHT20) Mode Channel 52/60/64 (UNII-2A)
Mode 13	TX BE(EHT40) Mode Channel 54/62 (UNII-2A)
Mode 14	TX BE(EHT80) Mode Channel 58 (UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 16	TX BE(EHT160) Mode Channel 50 (UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 100/116/140/144 (UNII-2C)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140/144 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134/142 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122/138 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX BE(EHT20) Mode Channel 100/116/140/144 (UNII-2C)
Mode 23	TX BE(EHT40) Mode Channel 102/110/134/142 (UNII-2C)
Mode 24	TX BE(EHT80) Mode Channel 106/122/138 (UNII-2C)
Mode 25	TX BE(EHT160) Mode Channel 114 (UNII-2C)
Mode 26	TX BE(EHT240) Mode Channel 122 (UNII-2C)
Mode 27	TX A Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 29	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 30	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 31	TX BE(EHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX BE(EHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX BE(EHT80) Mode Channel 155 (UNII-3)
Mode 34	TX AC(VHT40) Mode Channel 46 (UNII-1)
Mode 35	TX AC(VHT20) Mode Channel 149 (UNII-3)

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 34	TX AC(VHT40) Mode Channel 46 (UNII-1)
Mode 35	TX AC(VHT20) Mode Channel 149 (UNII-3)

Radiated Emissions Test - Below 1GHz & Above 18 GHz	
Final Test Mode	Description
Mode 34	TX AC(VHT40) Mode Channel 46 (UNII-1)
Mode 35	TX AC(VHT20) Mode Channel 149 (UNII-3)

Radiated Emissions Test - 1 GHz - 18 GHz	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48(UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48(UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46(UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42(UNII-1)
Mode 5	TX BE(EHT20) Mode Channel 36/40/48(UNII-1)
Mode 6	TX BE(EHT40) Mode Channel 38/46(UNII-1)
Mode 7	TX BE(EHT80) Mode Channel 42(UNII-1)
Mode 8	TX A Mode Channel 52/60/64(UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64(UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62(UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58(UNII-2A)
Mode 12	TX BE(EHT20) Mode Channel 52/60/64(UNII-2A)
Mode 13	TX BE(EHT40) Mode Channel 54/62(UNII-2A)
Mode 14	TX BE(EHT80) Mode Channel 58(UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50(UNII-1+UNII-2A)
Mode 16	TX BE(EHT160) Mode Channel 50(UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 100/116/140/144 (UNII-2C)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140/144 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134/142 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122/138 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX BE(EHT20) Mode Channel 100/116/140/144 (UNII-2C)
Mode 23	TX BE(EHT40) Mode Channel 102/110/134/142 (UNII-2C)
Mode 24	TX BE(EHT80) Mode Channel 106/122/138 (UNII-2C)
Mode 25	TX BE(EHT160) Mode Channel 114 (UNII-2C)
Mode 26	TX BE(EHT240) Mode Channel 122 (UNII-2C)

Radiated Emissions Test - 1 GHz - 18 GHz	
Final Test Mode	Description
Mode 27	TX A Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)
Mode 29	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 30	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 31	TX BE(EHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX BE(EHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX BE(EHT80) Mode Channel 155 (UNII-3)

Conducted Test	
Final Test Mode	Description
Mode 1	TX A Mode Channel 36/40/48(UNII-1)
Mode 2	TX AC(VHT20) Mode Channel 36/40/48(UNII-1)
Mode 3	TX AC(VHT40) Mode Channel 38/46(UNII-1)
Mode 4	TX AC(VHT80) Mode Channel 42(UNII-1)
Mode 5	TX BE(EHT20) Mode Channel 36/40/48(UNII-1)
Mode 6	TX BE(EHT40) Mode Channel 38/46(UNII-1)
Mode 7	TX BE(EHT80) Mode Channel 42(UNII-1)
Mode 8	TX A Mode Channel 52/60/64(UNII-2A)
Mode 9	TX AC(VHT20) Mode Channel 52/60/64(UNII-2A)
Mode 10	TX AC(VHT40) Mode Channel 54/62(UNII-2A)
Mode 11	TX AC(VHT80) Mode Channel 58(UNII-2A)
Mode 12	TX BE(EHT20) Mode Channel 52/60/64(UNII-2A)
Mode 13	TX BE(EHT40) Mode Channel 54/62(UNII-2A)
Mode 14	TX BE(EHT80) Mode Channel 58(UNII-2A)
Mode 15	TX AC(VHT160) Mode Channel 50(UNII-1+UNII-2A)
Mode 16	TX BE(EHT160) Mode Channel 50(UNII-1+UNII-2A)
Mode 17	TX A Mode Channel 100/116/140/144 (UNII-2C)
Mode 18	TX AC(VHT20) Mode Channel 100/116/140/144 (UNII-2C)
Mode 19	TX AC(VHT40) Mode Channel 102/110/134/142 (UNII-2C)
Mode 20	TX AC(VHT80) Mode Channel 106/122/138 (UNII-2C)
Mode 21	TX AC(VHT160) Mode Channel 114 (UNII-2C)
Mode 22	TX BE(EHT20) Mode Channel 100/116/140/144 (UNII-2C)
Mode 23	TX BE(EHT40) Mode Channel 102/110/134/142 (UNII-2C)
Mode 24	TX BE(EHT80) Mode Channel 106/122/138 (UNII-2C)
Mode 25	TX BE(EHT160) Mode Channel 114 (UNII-2C)
Mode 26	TX BE(EHT240) Mode Channel 122 (UNII-2C)
Mode 27	TX A Mode Channel 149/157/165 (UNII-3)
Mode 28	TX AC(VHT20) Mode Channel 149/157/165 (UNII-3)

Conducted Test	
Final Test Mode	Description
Mode 29	TX AC(VHT40) Mode Channel 151/159 (UNII-3)
Mode 30	TX AC(VHT80) Mode Channel 155 (UNII-3)
Mode 31	TX BE(EHT20) Mode Channel 149/157/165 (UNII-3)
Mode 32	TX BE(EHT40) Mode Channel 151/159 (UNII-3)
Mode 33	TX BE(EHT80) Mode Channel 155 (UNII-3)

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX AC(VHT40) Mode Channel 46(UNII-1) and AC(VHT20) Mode Channel 149(UNII-3) are found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) For radiated emission Harmonic 18-40GHz test, only tested the worst case and recorded.
- (4) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (5) For Beamforming operation, the manufacturer automatically reduces power based on a factor calculated as the difference between the beamforming directional gain and the CDD directional power gain. Thus, only the CDD mode was evaluated in this report.
- (6) IEEE 802.11ax mode and IEEE 802.11be mode only support full RU, so only the full RU is evaluated and measured inside report.
- (7) For radiated emission 1 GHz - 18GHz test, the polarization of Vertical and Horizontal are evaluated, the worst case is recorded in this report.
- (8) VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
EHT20/EHT40/EHT80/EHT160 covers HE20/HE40/HE80/HE160, due to same modulation (in full RU). The power setting for 802.11ax HE20/HE40/HE80/HE160 are the same or lower than 802.11be EHT20/EHT40/EHT80/EHT160.

3.3 PARAMETERS OF TEST SOFTWARE

Omnidirectional Antenna

UNII-1			
Test Software Version	testtree		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	22.5	22.5	22.5
IEEE 802.11ac(VHT20)	22	22	22.5
IEEE 802.11be(EHT20)	22	22.5	22.5
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	22	22	
IEEE 802.11be(EHT40)	22	22.5	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	22.5		
IEEE 802.11be(EHT80)	22.5		
Frequency (MHz)	5250		
IEEE 802.11ac(VHT160)	23		
IEEE 802.11be(EHT160)	23		

UNII-2A			
Test Software Version	testtree		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	19.5	19.5	19
IEEE 802.11ac(VHT20)	20.5	20	19.5
IEEE 802.11be(EHT20)	20.5	20	19.5
Frequency (MHz)	5270	5310	
IEEE 802.11ac(VHT40)	21.5	21.5	
IEEE 802.11be(EHT40)	21.5	21.5	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	21.5		
IEEE 802.11be(EHT80)	21.5		

UNII-2C				
Test Software Version	testtree			
Frequency (MHz)	5500	5580	5700	5720
IEEE 802.11a	20	20	19.5	20
IEEE 802.11ac(VHT20)	20.5	20.5	20	20
IEEE 802.11be(EHT20)	20.5	20.5	20.5	20
Frequency (MHz)	5510	5550	5670	5710
IEEE 802.11ac(VHT40)	21.5	22	22.5	22.5
IEEE 802.11be(EHT40)	21.5	22	22.5	22.5
Frequency (MHz)	5530	5610	5690	
IEEE 802.11ac(VHT80)	21.5	22	22.5	
IEEE 802.11be(EHT80)	21.5	22	22.5	
Frequency (MHz)	5570			
IEEE 802.11ac(VHT160)	21			
IEEE 802.11be(EHT160)	22			
Frequency (MHz)	5610			
IEEE 802.11be(EHT240)	20			

UNII-3			
Test Software Version	testtree		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	29	29	29
IEEE 802.11ac(VHT20)	29	29	29
IEEE 802.11be(EHT20)	29	29	29
Frequency (MHz)	5755	5795	
IEEE 802.11ac(VHT40)	27.5	29	
IEEE 802.11be(EHT40)	27.5	29	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	29		
IEEE 802.11be(EHT80)	25.5		

Directional Antenna

UNII-1			
Test Software Version	testtree		
Frequency (MHz)	5180	5200	5240
IEEE 802.11a	17.5	17.5	18.5
IEEE 802.11ac(VHT20)	17.5	17.5	18.5
IEEE 802.11be(EHT20)	18	18	19
Frequency (MHz)	5190	5230	
IEEE 802.11ac(VHT40)	21.5	21.5	
IEEE 802.11be(EHT40)	21.5	21.5	
Frequency (MHz)	5210		
IEEE 802.11ac(VHT80)	21		
IEEE 802.11be(EHT80)	19.5		

UNII-2A			
Test Software Version	testtree		
Frequency (MHz)	5260	5300	5320
IEEE 802.11a	12.5	12.5	12.5
IEEE 802.11ac(VHT20)	13	13	13
IEEE 802.11be(EHT20)	13	13	13
Frequency (MHz)	5270	5310	
IEEE 802.11ac(VHT40)	16	16	
IEEE 802.11be(EHT40)	16	16	
Frequency (MHz)	5290		
IEEE 802.11ac(VHT80)	16		
IEEE 802.11be(EHT80)	16		

UNII-1+UNII-2A	
Test Software Version	testtree
Frequency (MHz)	5250
IEEE 802.11ac(VHT160)	16
IEEE 802.11be(EHT160)	16

UNII-2C				
Test Software Version	testtree			
Frequency (MHz)	5500	5580	5700	5720
IEEE 802.11a	12.5	13.5	12.5	14
IEEE 802.11ac(VHT20)	13	13.5	12.5	15
IEEE 802.11be(EHT20)	13	14	12.5	15.5
Frequency (MHz)	5510	5550	5670	5710
IEEE 802.11ac(VHT40)	16	16.5	16	17.5
IEEE 802.11be(EHT40)	16.5	17	16	17.5
Frequency (MHz)	5530	5610	5690	
IEEE 802.11ac(VHT80)	17	17	17.5	
IEEE 802.11be(EHT80)	17	17	17.5	
Frequency (MHz)	5570			
IEEE 802.11ac(VHT160)	17			
IEEE 802.11be(EHT160)	17			
Frequency (MHz)	5610			
IEEE 802.11ac(VHT240)	17			

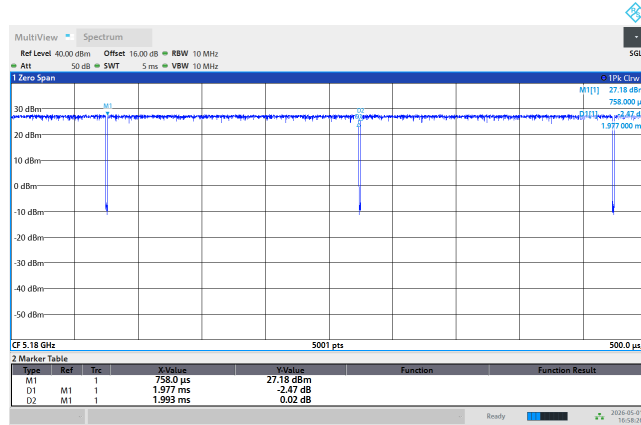
UNII-3			
Test Software Version	testtree		
Frequency (MHz)	5745	5785	5825
IEEE 802.11a	24	24	24
IEEE 802.11ac(VHT20)	24.5	24	24
IEEE 802.11be(EHT20)	24	24	24
Frequency (MHz)	5755	5795	
IEEE 802.11ac(VHT40)	24	24	
IEEE 802.11be(EHT40)	24	23.5	
Frequency (MHz)	5775		
IEEE 802.11ac(VHT80)	22.5		
IEEE 802.11be(EHT80)	24		

3.4 DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.
If duty cycle is $< 98\%$, duty factor shall be considered.
The output power = measured power + duty factor.
The power spectral density = measured power spectral density + duty factor.

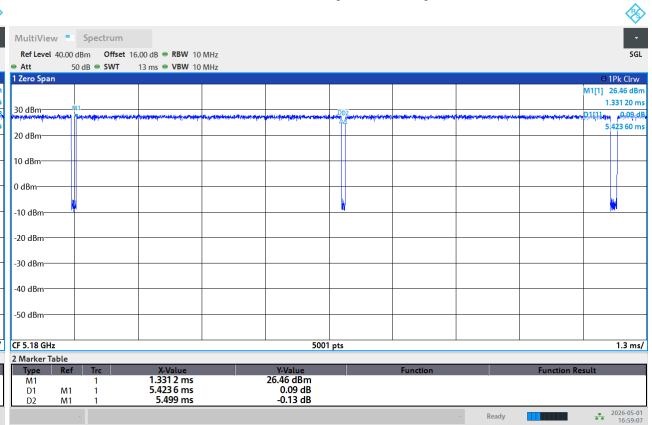
Omnidirectional Antenna

802.11a



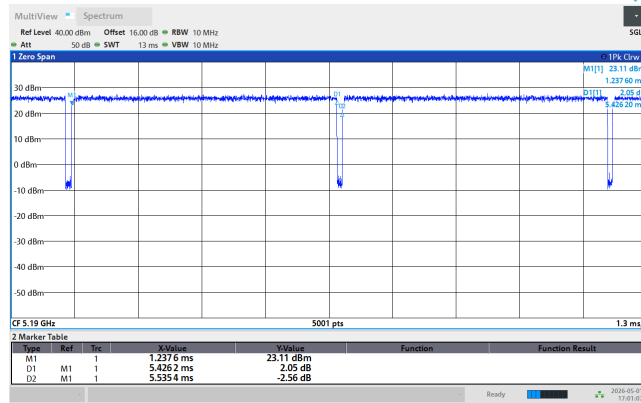
Duty cycle = $1.977 \text{ ms} / 1.993 \text{ ms} = 99.20\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00 \text{ dB}$

802.11ac(VHT20)



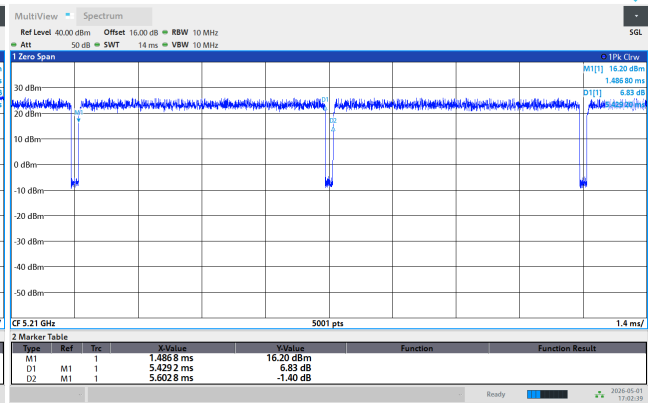
Duty cycle = $5.424 \text{ ms} / 5.499 \text{ ms} = 98.64\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00 \text{ dB}$

802.11ac(VHT40)



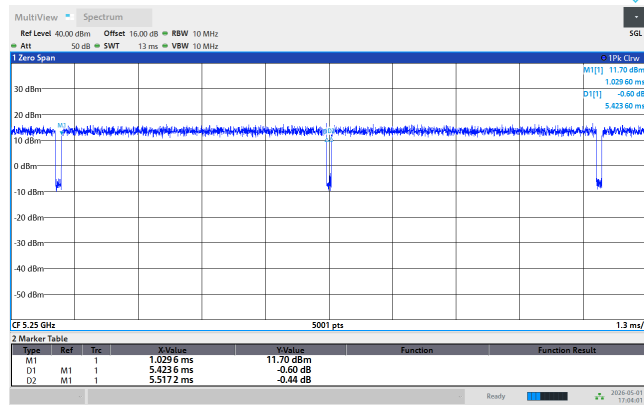
Duty cycle = $5.426 \text{ ms} / 5.535 \text{ ms} = 98.03\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00 \text{ dB}$

802.11ac(VHT80)



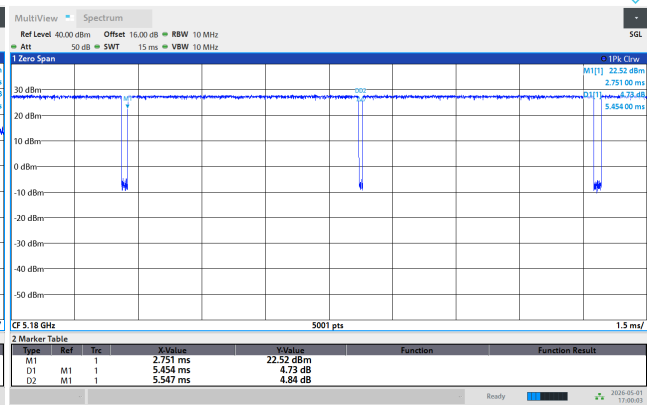
Duty cycle = $5.429 \text{ ms} / 5.603 \text{ ms} = 96.89\%$
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.14 \text{ dB}$

802.11ac(VHT160)



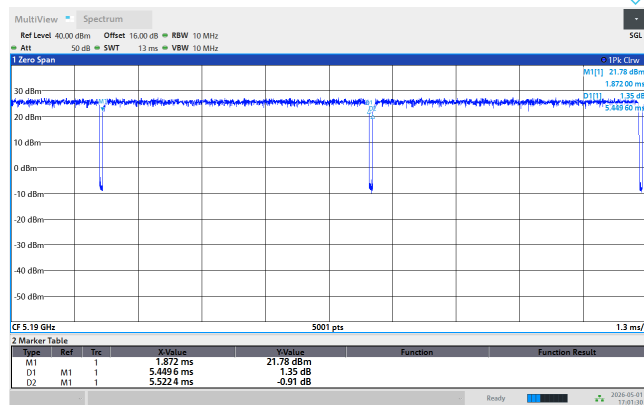
Duty cycle = 5.424 ms / 5.517 ms = 98.31%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

802.11be(EHT20)



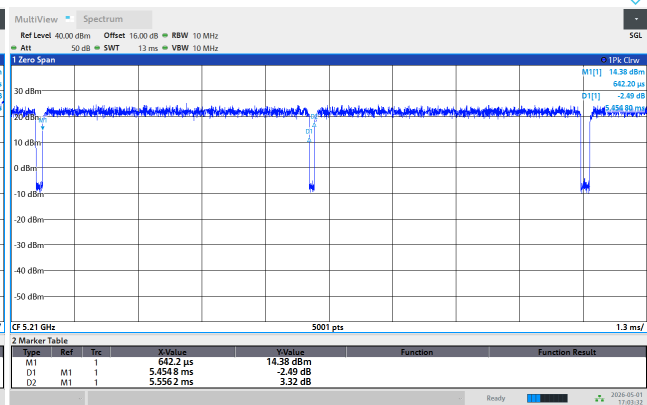
Duty cycle = 5.454 ms / 5.547 ms = 98.32%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

802.11be(EHT40)



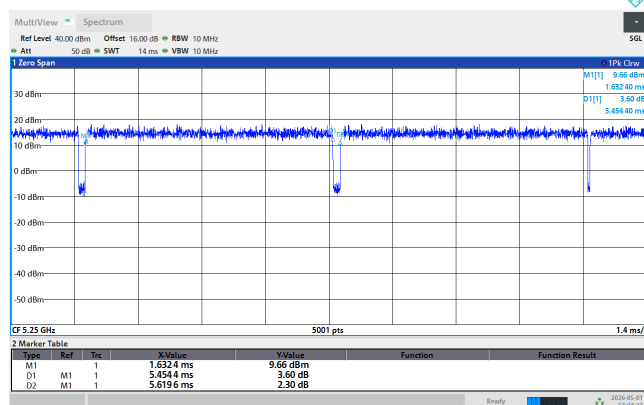
Duty cycle = 5.450 ms / 5.522 ms = 98.70%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

802.11be(EHT80)



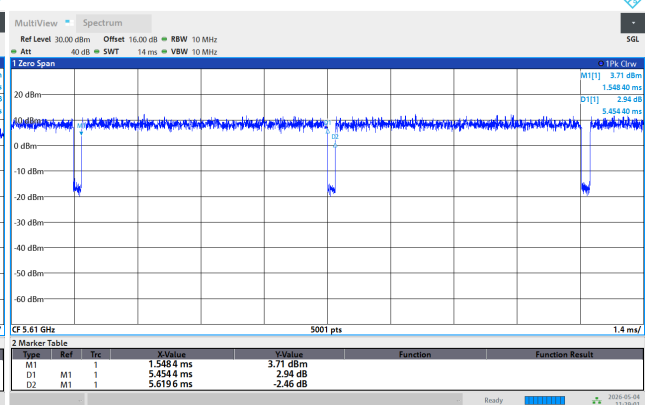
Duty cycle = 5.455 ms / 5.556 ms = 98.18%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

802.11be(EHT160)



Duty cycle = 5.454 ms / 5.620 ms = 97.05%
Duty Factor = 10 log(1/Duty cycle) = 0.13 dB

802.11be(EHT240)



Duty cycle = 5.454 ms / 5.620 ms = 97.05%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

NOTE:

For IEEE 802.11a:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11ac(VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11ac(VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11ac(VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle $< 98\%$).

For IEEE 802.11ac(VHT160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11be(EHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11be(EHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11be(EHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11be(EHT160):

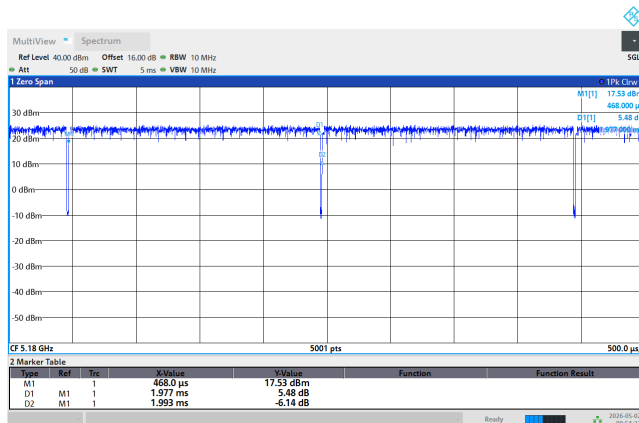
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle $< 98\%$).

For IEEE 802.11be(EHT240):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle $< 98\%$).

Directional Antenna

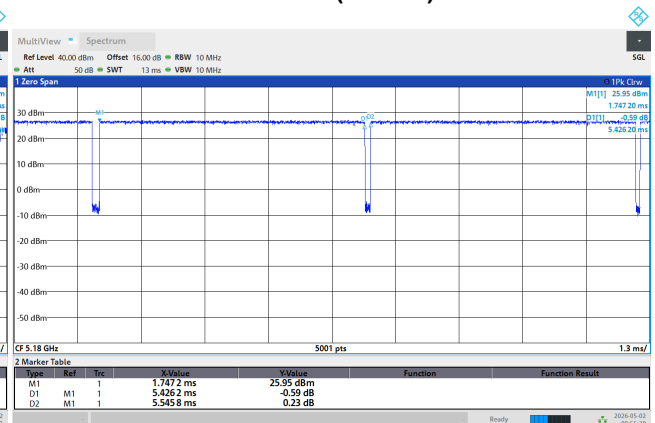
802.11a



09:54:32 AM 05/02/2026

Duty cycle = 1.977 ms / 1.993 ms = 99.20%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

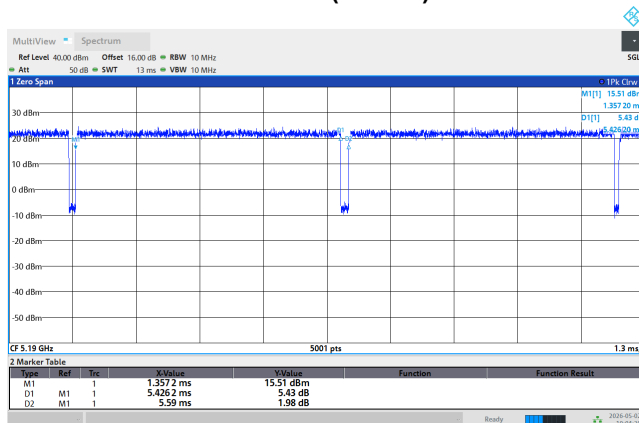
802.11ac(VHT20)



09:55:40 AM 05/02/2026

Duty cycle = 5.426 ms / 5.546 ms = 97.84%
Duty Factor = 10 log(1/Duty cycle) = 0.10 dB

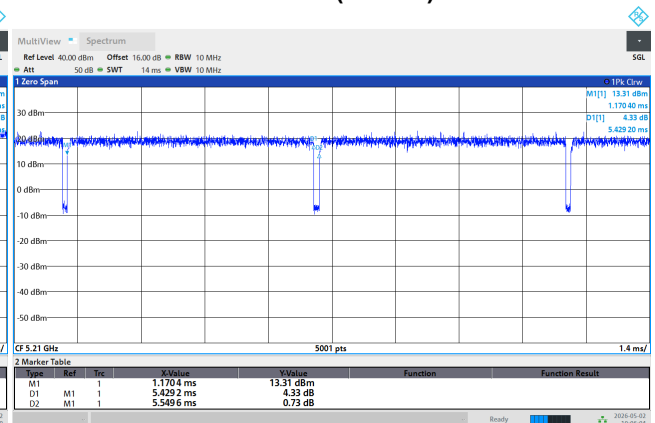
802.11ac(VHT40)



10:04:40 AM 05/02/2026

Duty cycle = 5.426 ms / 5.590 ms = 97.07%
Duty Factor = 10 log(1/Duty cycle) = 0.13 dB

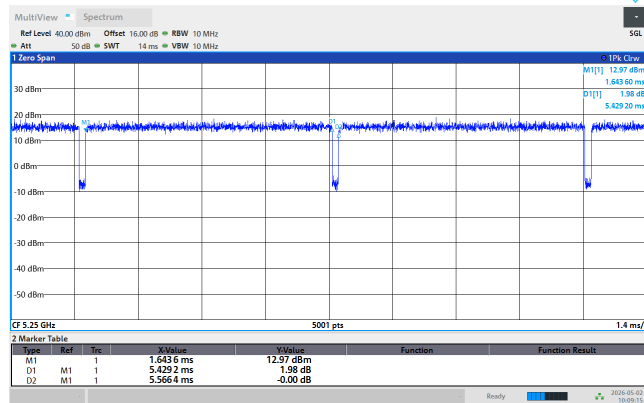
802.11ac(VHT80)



10:06:05 AM 05/02/2026

Duty cycle = 5.429 ms / 5.550 ms = 97.82%
Duty Factor = 10 log(1/Duty cycle) = 0.10 dB

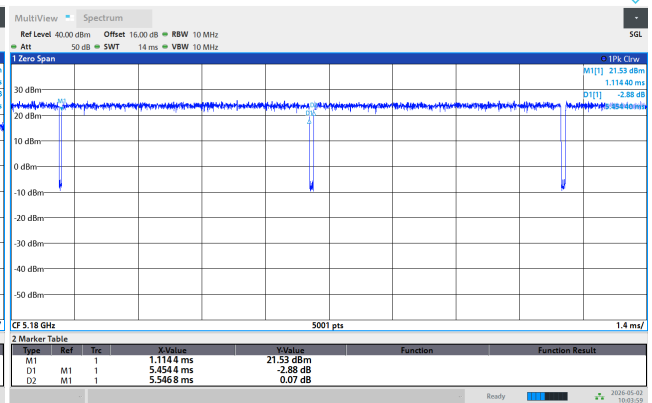
802.11ac(VHT160)



10:09:15 AM 05/02/2026

Duty cycle = 5.429 ms / 5.566 ms = 97.54%
Duty Factor = 10 log(1/Duty cycle) = 0.11 dB

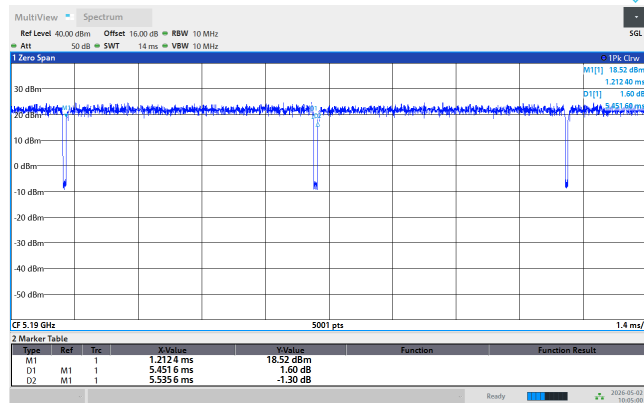
802.11be(EHT20)



10:04:00 AM 05/02/2026

Duty cycle = 5.454 ms / 5.547 ms = 98.32%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

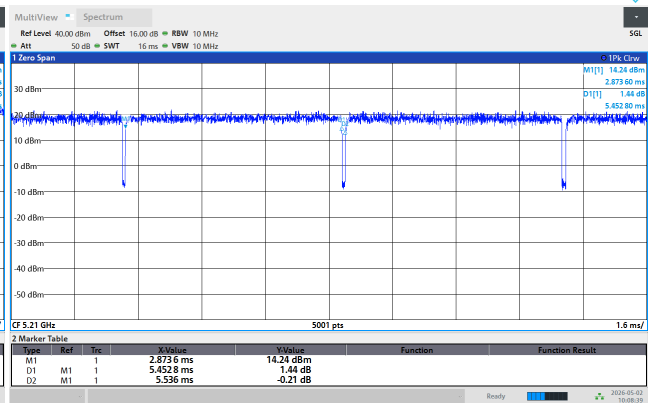
802.11be(EHT40)



10:05:01 AM 05/02/2026

Duty cycle = 5.452 ms / 5.536 ms = 98.48%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

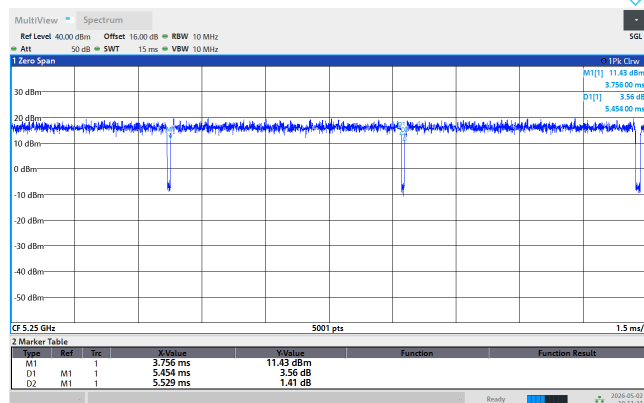
802.11be(EHT80)



10:08:39 AM 05/02/2026

Duty cycle = 5.453 ms / 5.536 ms = 98.50%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

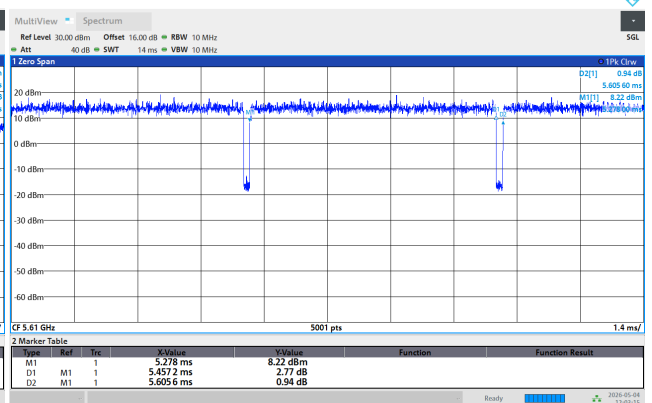
802.11be(EHT160)



10:11:21 AM 05/02/2026

Duty cycle = 5.454 ms / 5.529 ms = 98.64%
Duty Factor = 10 log(1/Duty cycle) = 0.00 dB

802.11be(EHT240)



12:03:16 PM 05/04/2026

Duty cycle = 5.457 ms / 5.606 ms = 97.34%
Duty Factor = 10 log(1/Duty cycle) = 0.12 dB

NOTE:

For IEEE 802.11a:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11ac(VHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle $< 98\%$).

For IEEE 802.11ac(VHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle $< 98\%$).

For IEEE 802.11ac(VHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle $< 98\%$).

For IEEE 802.11ac(VHT160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 184 Hz (Duty cycle $< 98\%$).

For IEEE 802.11be(EHT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11be(EHT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11be(EHT80):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle $\geq 98\%$).

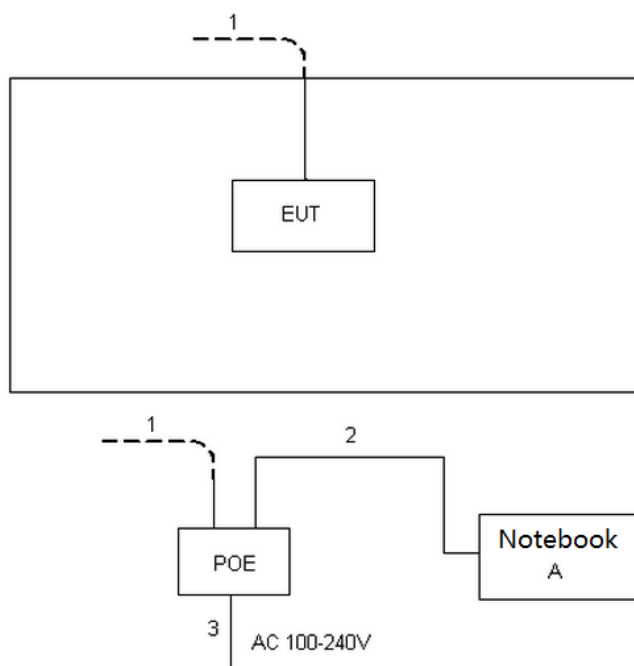
For IEEE 802.11be(EHT160):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle $\geq 98\%$).

For IEEE 802.11be(EHT240):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 183 Hz (Duty cycle $< 98\%$).

3.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	RJ45 Cable	NO	NO	10m
2	Network Cable	NO	NO	1m
3	AC Cable	NO	NO	1.5m

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain and beamforming gain are provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)
 Margin Level = Measurement Value – Limit Value

4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

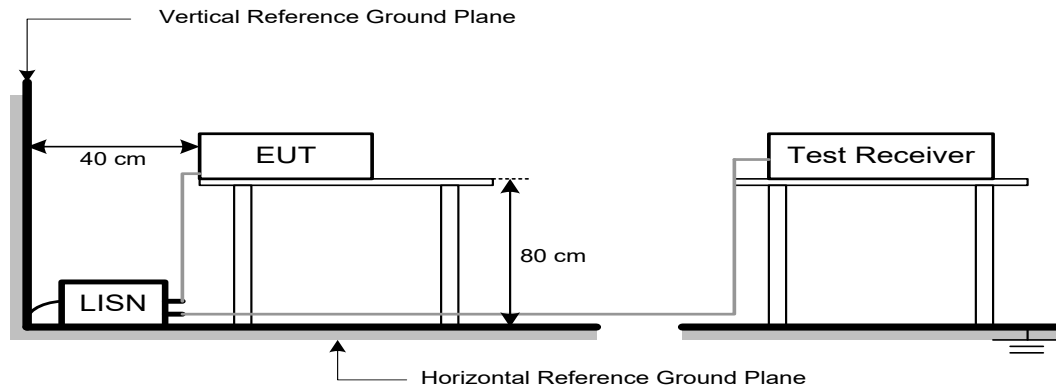
The following table is the setting of the receiver:

Receiver Parameter	Setting
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

4.3 DEVIATION FROM TEST STANDARD

No deviation

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

The EUT was programmed to be in continuously transmitting/TX mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS (Above 1000 MHz)

Frequency (MHz)	EIRP Limit (dBm/MHz)	Band edge at 3m (dBμV/m)	Harmonic at 1m (dBμV/m)
5150-5250	-27	68.2	77.7 (Note 3)
5250-5350	-27	68.2	77.7 (Note 3)
5470-5725	-27	68.2	77.7 (Note 3)
5725-5850 NOTE (2)	-27	68.2	77.7 (Note 3)
	10	105.2	114.7 (Note 3)
	15.6	110.8	120.3 (Note 3)
	27	122.2	131.7 (Note 3)

NOTE:

- (1) The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts)}$$

- (2) According to 15.407(b)(4)(i), all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (3)

$$FS_{\text{limit}} = FS_{\text{max}} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

$20\log(d_{\text{limit}}/d_{\text{measure}}) = 20\log(3/1) = 9.5 \text{ dB}$.

FS_{limit} : Harmonic at 3m Peak and Average limit.

FS_{max} : Harmonic at 1m Peak and Average Maximum value.

d_{limit} : Harmonic at 3m test distance.

d_{measure} : Harmonic Actual test distance.

- (4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

5.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m or 1m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform.
(below 1 GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic or 40 GHz, whichever is lower
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

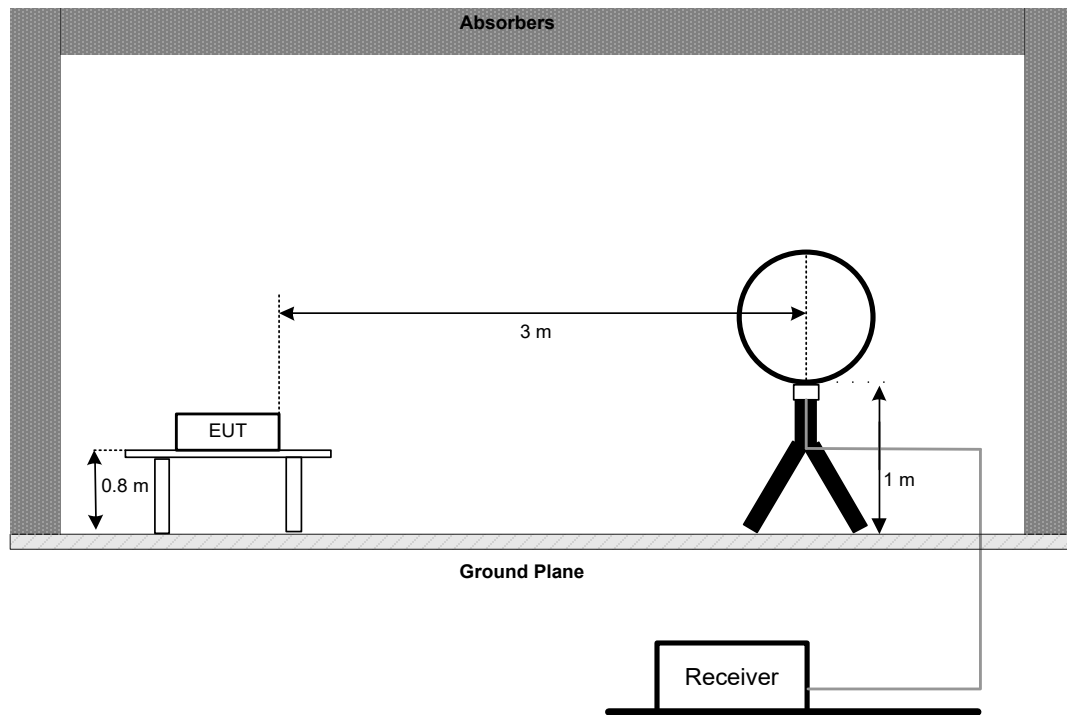
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~40 GHz for PK/AVG detector

5.3 DEVIATION FROM TEST STANDARD

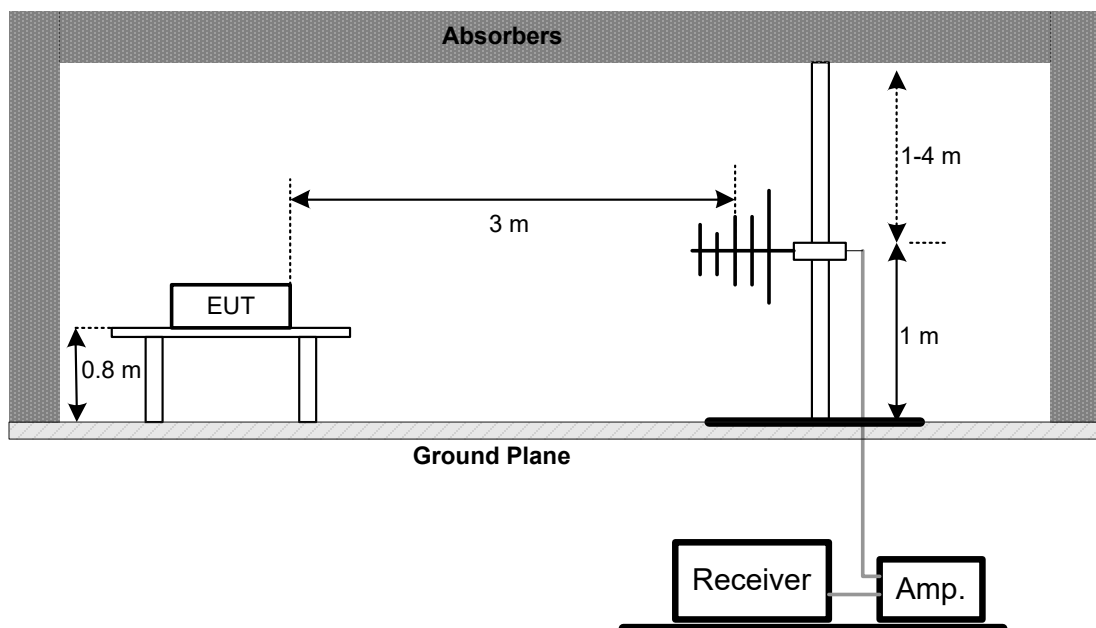
No deviation.

5.4 TEST SETUP

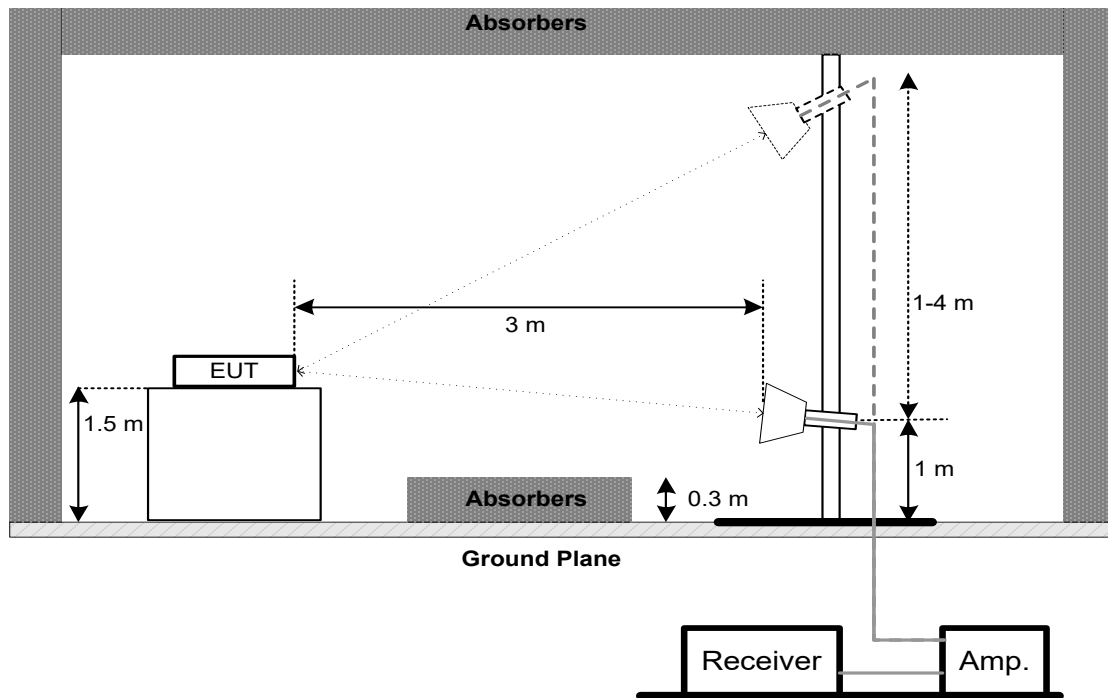
9 kHz to 30 MHz



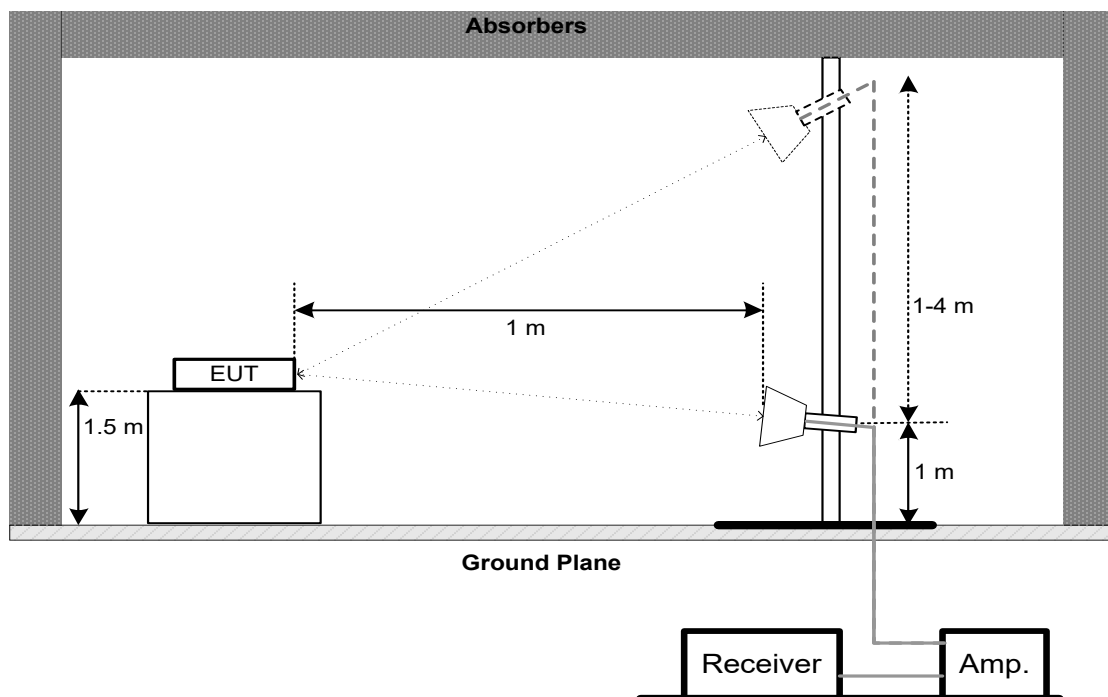
30 MHz to 1 GHz



**Above 1 GHz
Band edge & Harmonic(1 GHz to 18 GHz)**



Harmonic(18 GHz to 40 GHz)



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS - 9 KHZ TO 30 MHZ

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

5.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

5.8 TEST RESULTS - ABOVE 1000 MHZ

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

6. BANDWIDTH

6.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a) FCC 15.407(e)	26 dB Bandwidth	-	5150-5250
	26 dB Bandwidth	-	5250-5350
	26 dB Bandwidth	-	5470-5725
	6 dB Bandwidth	Minimum 500 kHz	5725-5850

6.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below
- b. Spectrum Setting:
For UNII-1, UNII-2A, UNII-2C:

Spectrum Parameter	Setting
Span	> 26 dB Bandwidth
RBW	Appromiximately 1% of the emission bandwidth
VBW	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Span	> 6 dB Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

For 99% Occupied Bandwidth:

Spectrum Parameter	Setting
Span	1.5 times to 5 times the OBW
RBW	1% to 5% of the OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- c. Measured the spectrum width with power higher than 26 dB / 6 dB below carrier.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Maximum Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
- For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

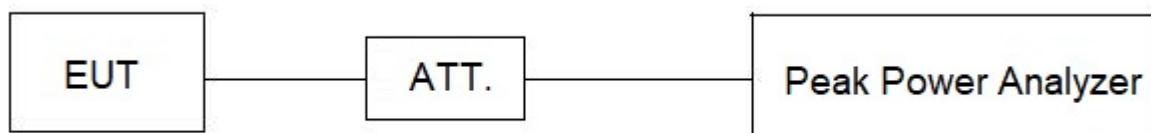
7.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- The test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX F.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

Section	Test Item	Limit	Frequency Range (MHz)
FCC 15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting:
For UNII-1, UNII-2A, UNII-2C:

Spectrum Parameter	Setting
Span	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1 MHz
VBW	3 MHz
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

For UNII-3:

Spectrum Parameter	Setting
Span	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	100 kHz
VBW	300 kHz
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 100kHz and VBW at 300kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/100 \text{ kHz})$ to the measured result, i.e. 6.99 dB.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX G.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Nov. 21, 2026
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Nov. 21, 2026
3	BTL_RE_System	BTL	BTL_RE_System	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M-001	9M	Jul. 08, 2026
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60	00025	Mar. 14, 2027
2	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2026
3	Cable	RegalWay	LMR400-NMNM-6m	N/A	Apr. 22, 2027
4	Cable	RegalWay	LMR400-NMRANM-3.5m	N/A	Apr. 22, 2027
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	CM	9*6*6	N/A	May 15, 2026

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	01462	Dec. 07, 2026
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 07, 2026
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	May 17, 2026
4	Cable	RegalWay	LMR400-NMNM-12.5m	N/A	Jun. 04, 2026
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jun. 04, 2026
6	Cable	RegalWay	LMR400-NMNM-0.5m	N/A	Jun. 04, 2026
7	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2026
8	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
9	Positioning Controller	MF	MF-7802	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
11	966 Chamber room	CM	9*6*6	N/A	May 15, 2026

Radiated Emissions - 1 GHz - 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Jul. 25, 2026
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Oct. 17, 2026
3	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 03,2027
4	Cable	RegalWay	RWLP50-4.0A-SMS M-12.5M	N/A	Feb. 01, 2027
5	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Feb. 01, 2027
6	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Feb. 01, 2027
7	966 Chamber room	CM	9*6*6	N/A	May 18, 2026
8	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
9	Filter	STI	STI15-9969	N/A	May 28, 2026
10	Positioning Controller	MF	MF-7802	N/A	N/A
11	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Cable	Tonscend	HF160-KMKM-0.5M	N/A	Oct. 21, 2026
2	Cable	Tonscend	HF160-KMKM-5M	N/A	Oct. 21, 2026
3	Pre-Amplifier	EMC INSTRUMENT	EMC184045SE	980409	Nov. 21, 2026
4	DRG Horn Antenna	ETS	3116C	218942	Feb. 03, 2027
5	Positioning Controller	MF	MF-7802	N/A	N/A
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
7	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Oct. 17, 2026
8	966 Chamber room	CM	9*6*6	N/A	May 15, 2026

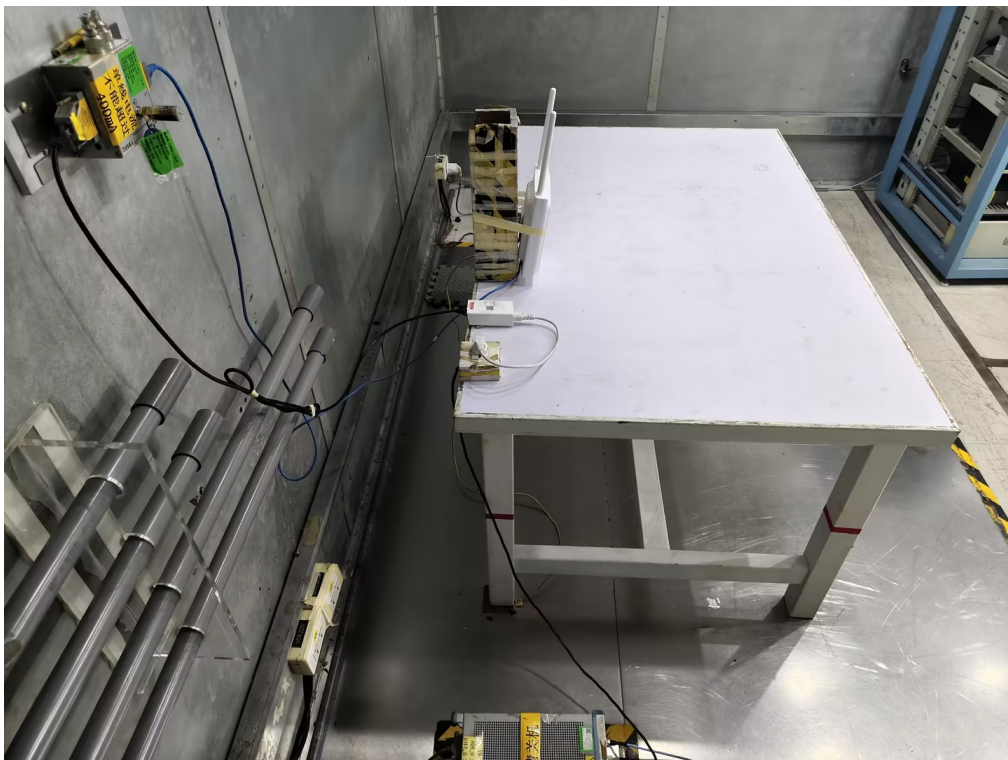
Power Spectral Density (Directional Antenna_straddle channel)					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Oct. 17, 2026
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	May 16, 2027

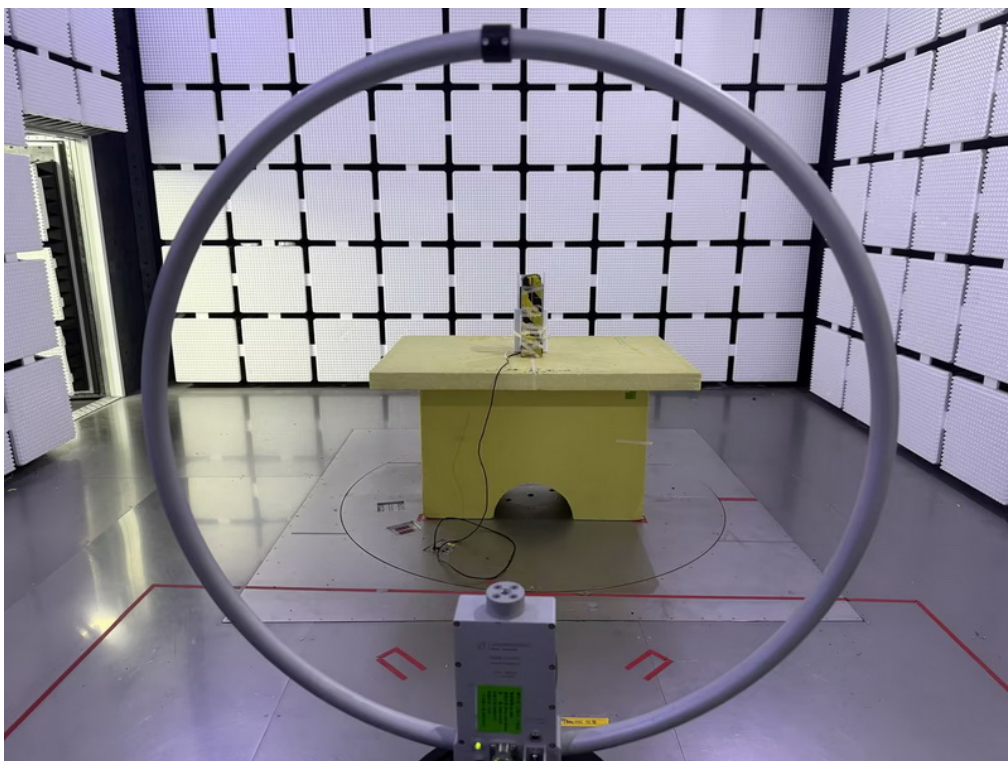
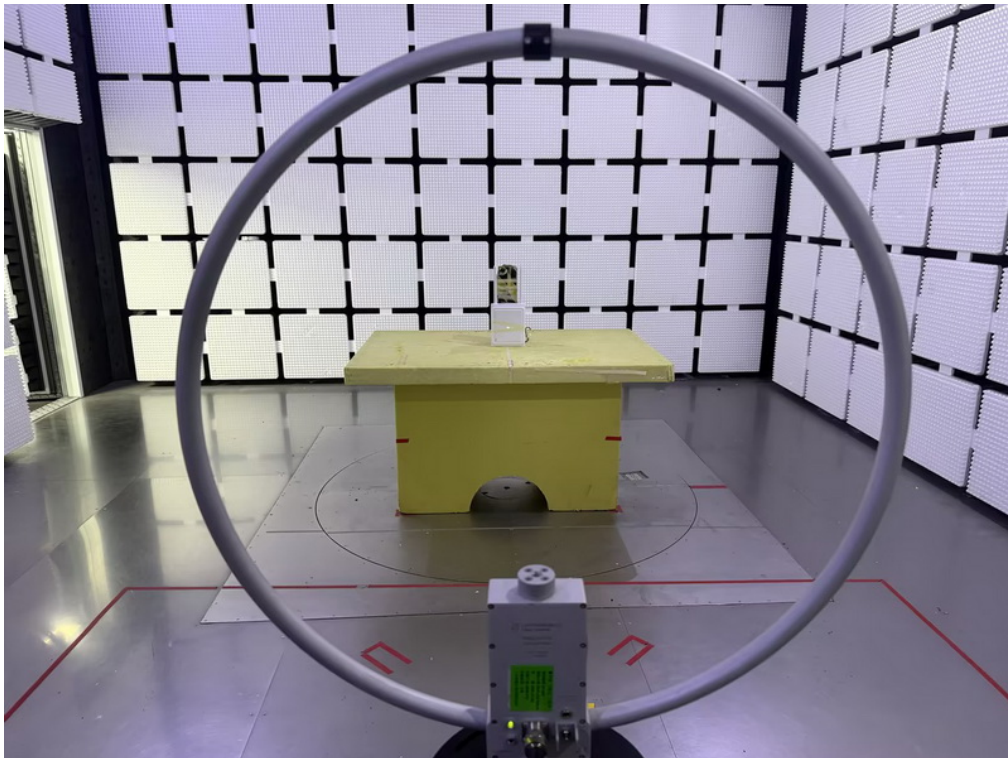
Bandwidth & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	FSV Signal & Spectrum Analyzer	R&S	FSV3044	101682	Oct. 17, 2026
2	CTA	BTL	CTA	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A

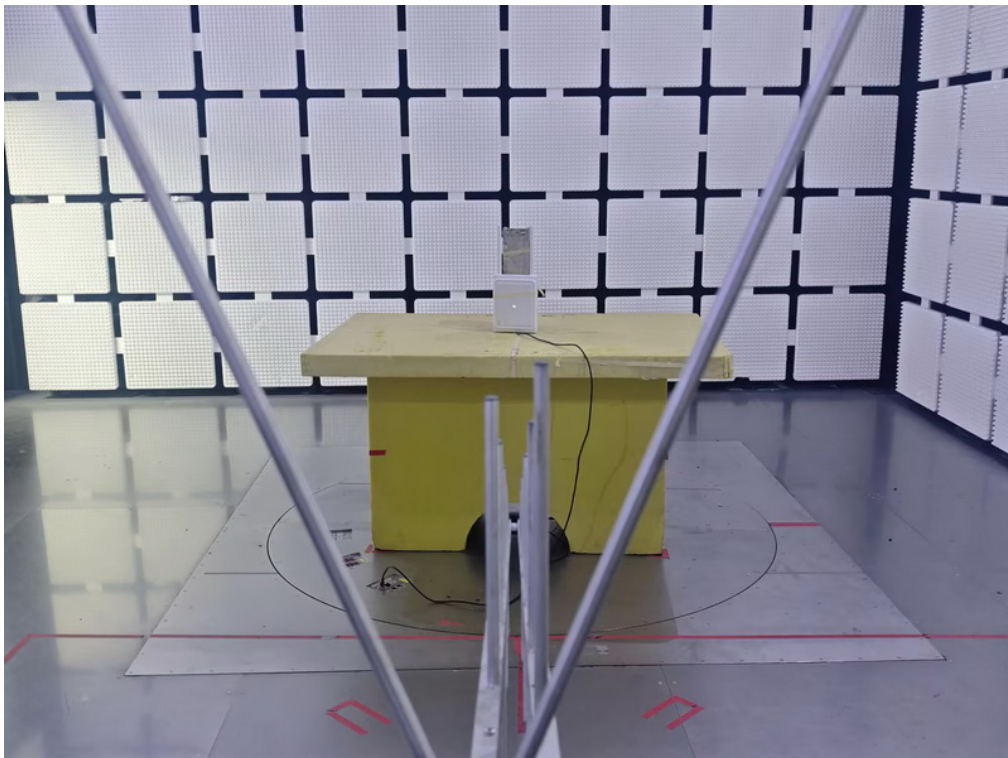
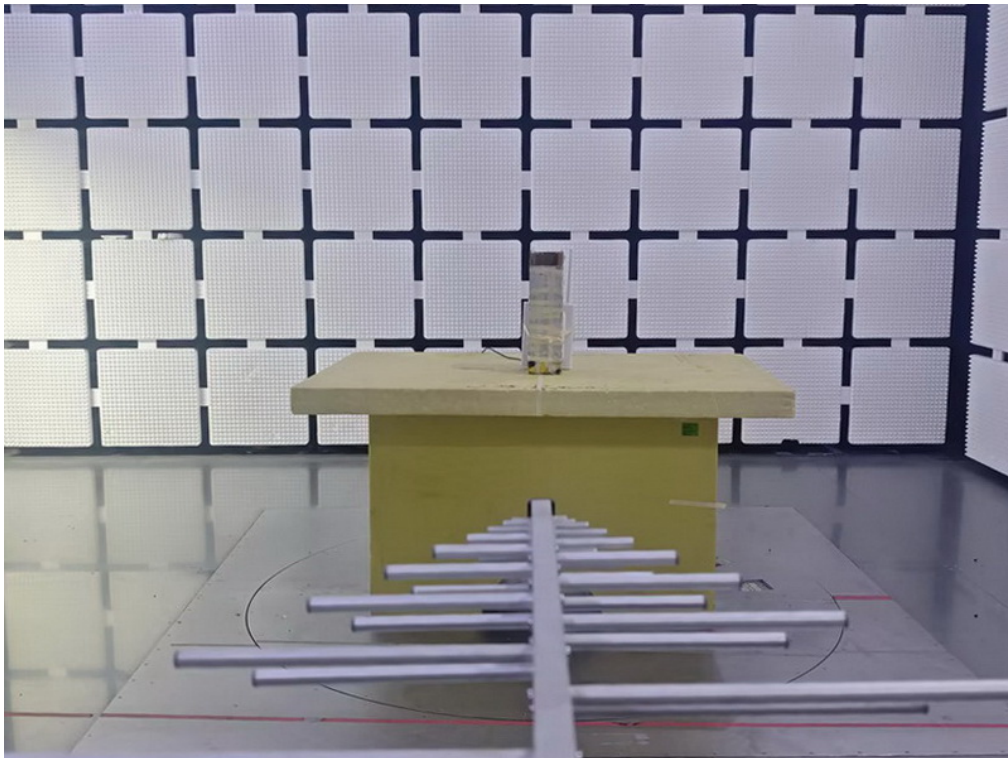
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Apr. 26, 2026 Apr. 25, 2027
2	Wideband power sensor	Keysight	N1923A	MY58310004	Apr. 26, 2026 Apr. 25, 2027
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	N/A	N/A

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

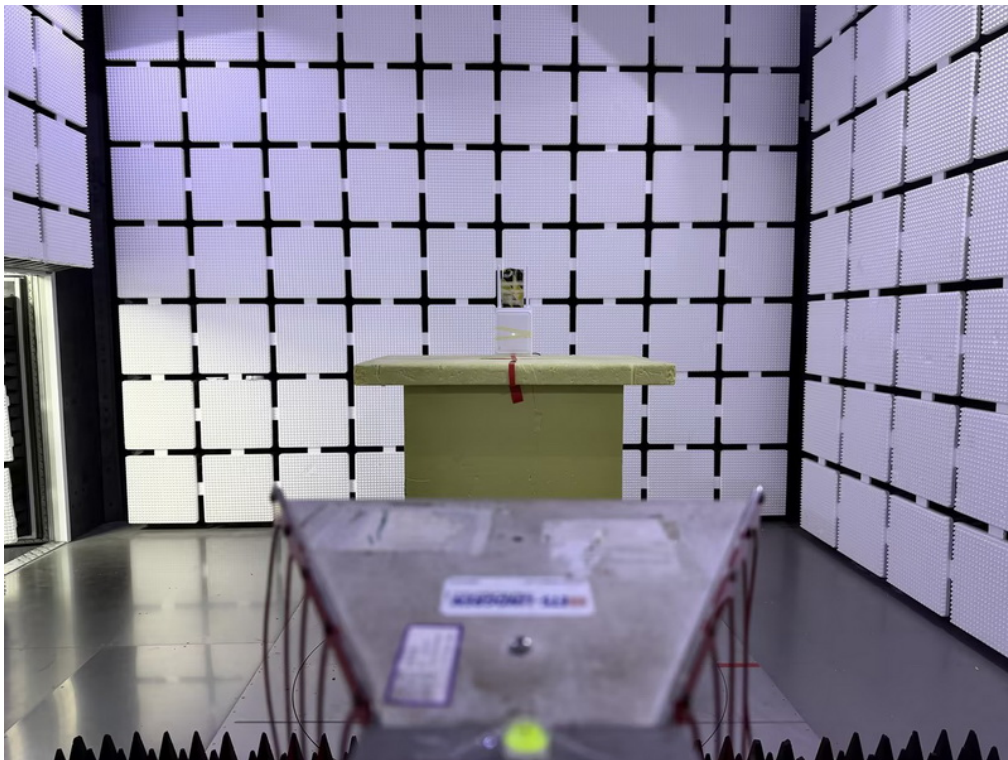
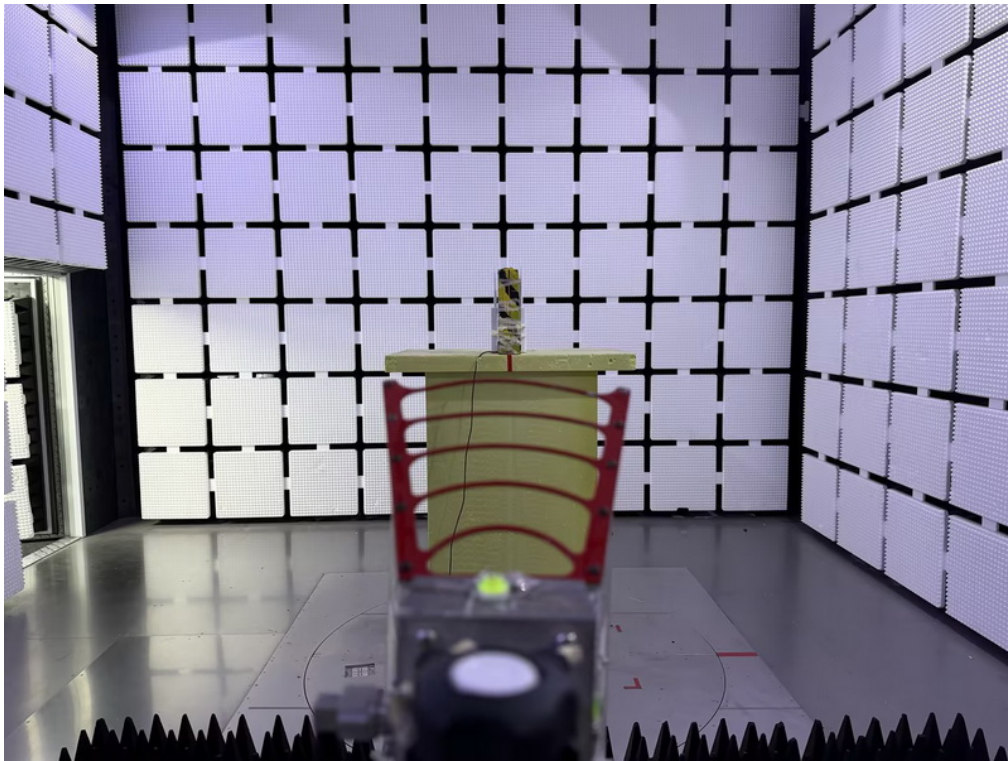
10. EUT TEST PHOTOS**AC Power Line Conducted Emissions Test Photos**

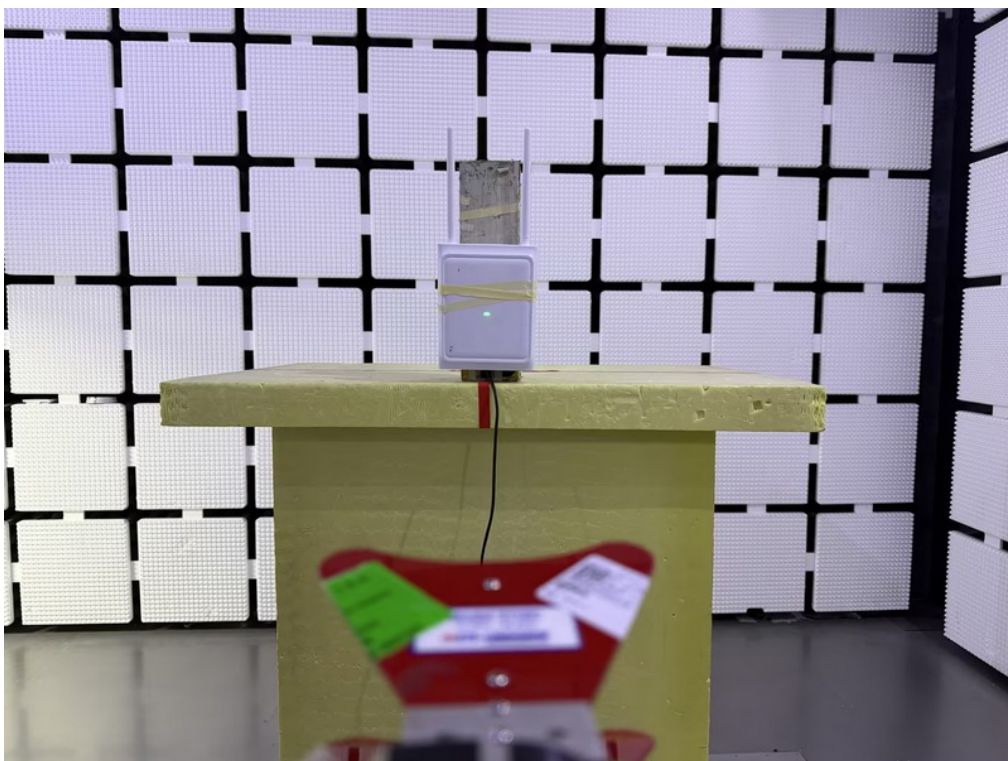
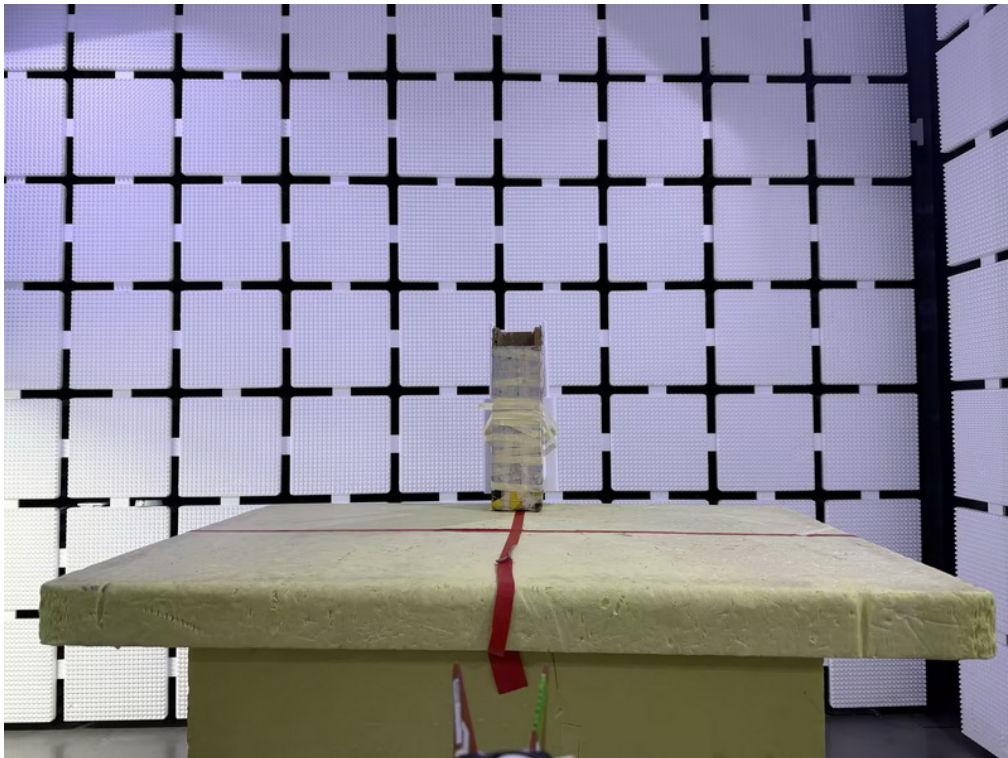
Radiated Emissions Test Photos**9 kHz to 30 MHz**

Radiated Emissions Test Photos**30 MHz to 1 GHz**

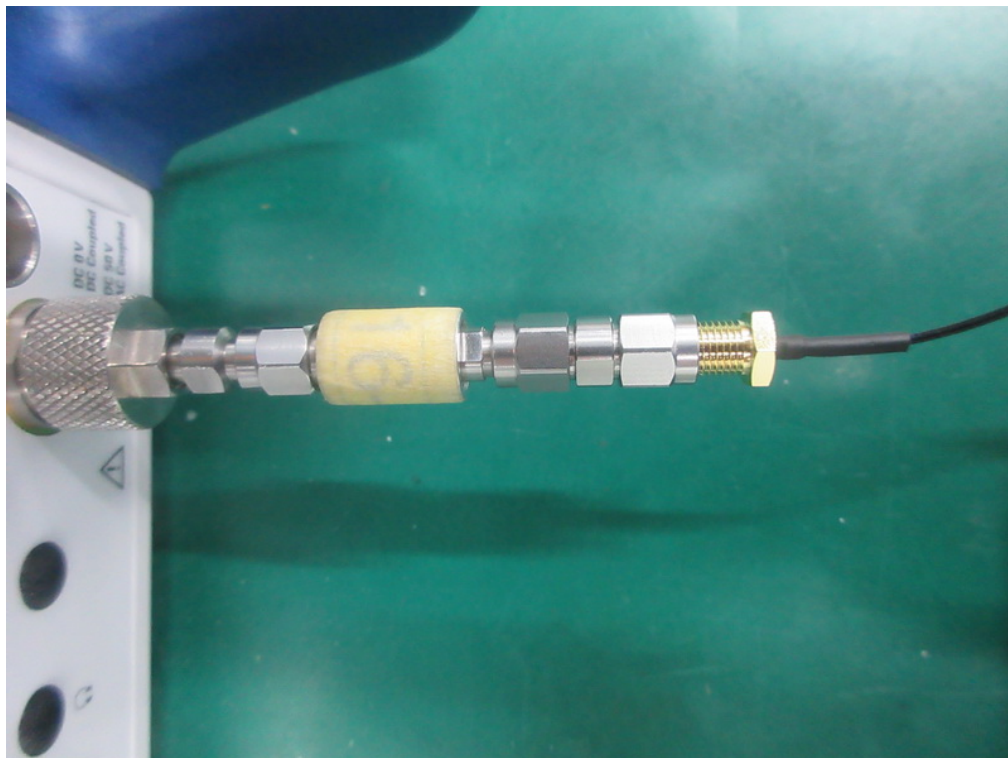
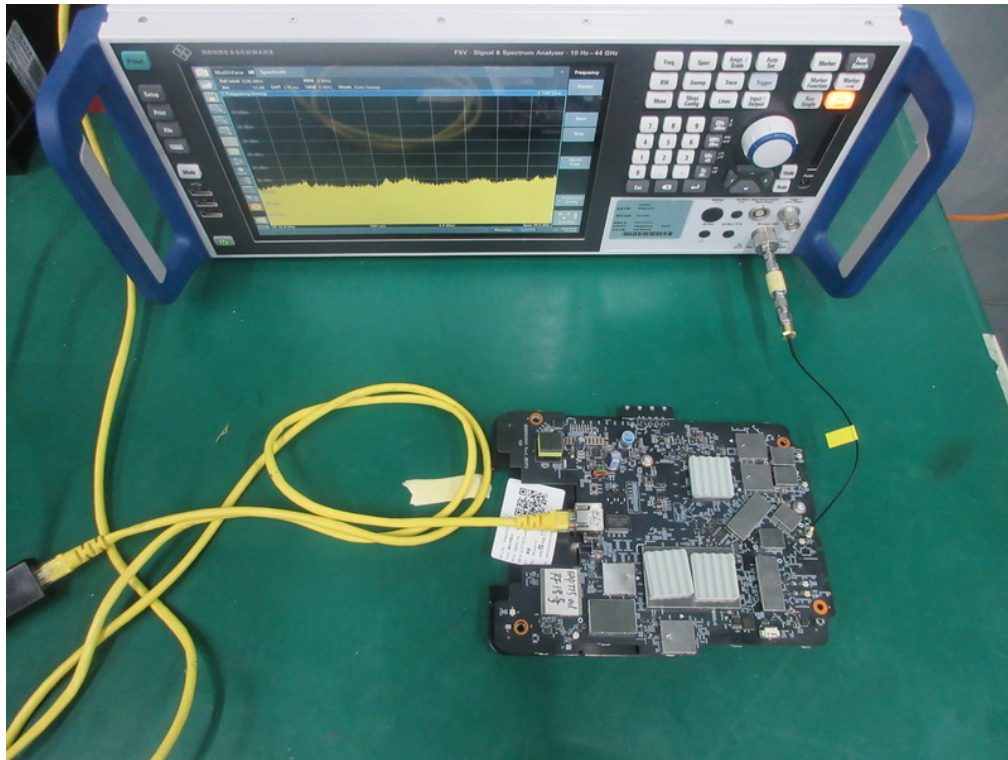
Radiated Emissions Test Photos

Band edge & Harmonic(1 GHz to 18 GHz)



Radiated Emissions Test Photos**Harmonic(18 GHz to 40 GHz)**

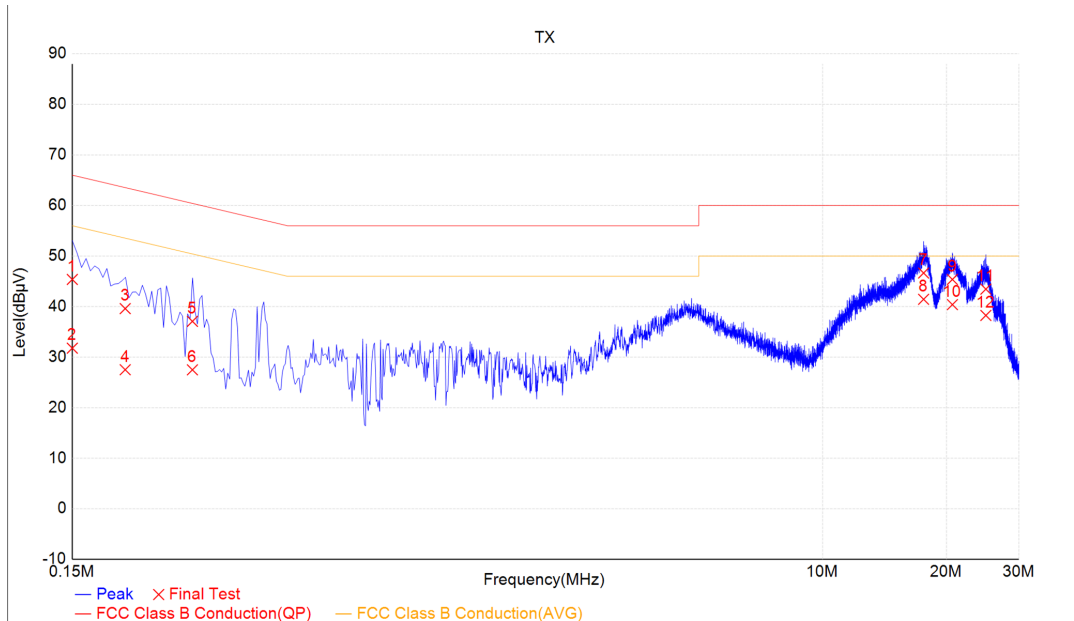
Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Omnidirectional Antenna

Test Mode	TX AC(VHT40) Mode Channel 46 (UNII-1)	Phase	Line
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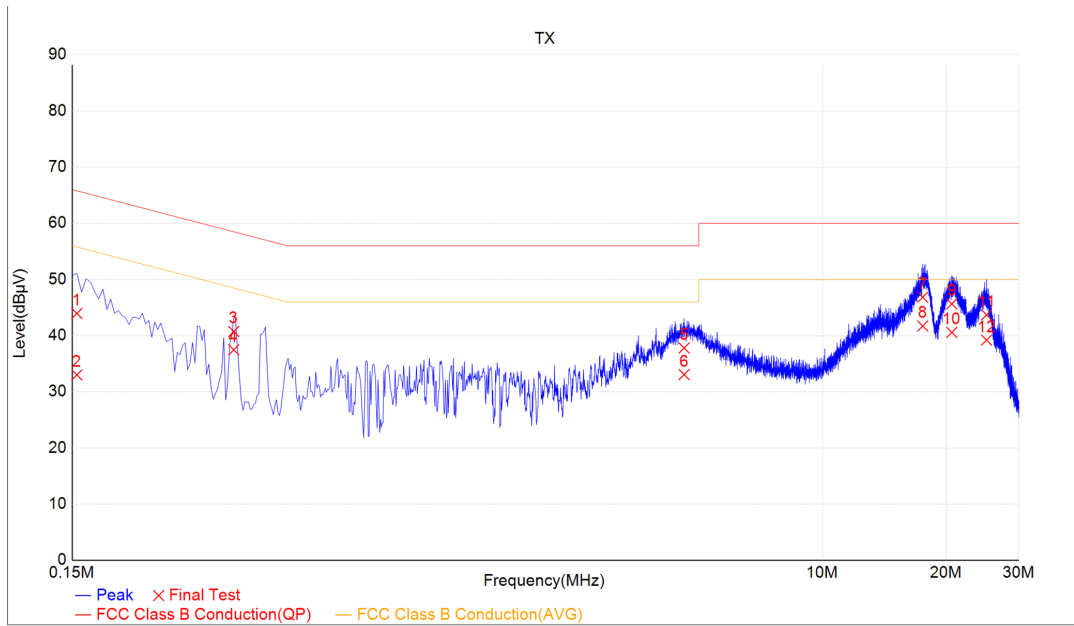
Suspected Note List									
	NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content
	1	0.15	35	10.36	45.37	66	-20.63	QP	
	2	0.15	21.42	10.36	31.78	56	-24.22	AVG	
	3	0.2017	29.2	10.4	39.6	63.53	-23.92	QP	
	4	0.2017	17.11	10.4	27.51	53.53	-26.02	AVG	
	5	0.2938	26.64	10.45	37.08	60.41	-23.33	QP	
	6	0.2938	17.05	10.45	27.49	50.41	-22.92	AVG	
	7	17.5935	32.87	13.77	46.64	60	-13.36	QP	
*	8	17.5935	27.68	13.77	41.44	50	-8.56	AVG	
	9	20.6705	30.89	14.48	45.37	60	-14.63	QP	
	10	20.6705	25.91	14.48	40.39	50	-9.61	AVG	
	11	24.93	28.33	15.11	43.45	60	-16.55	QP	
	12	24.93	23.14	15.11	38.25	50	-11.75	AVG	

REMARKS:

(1) Level = Reading + Factor.

(2) Margin = Level - Limit.

Test Mode	TX AC(VHT40) Mode Channel 46 (UNII-1)	Phase	Neutral
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Suspected Note List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content	
1	0.1539	33.53	10.42	43.95	65.78	-21.83	QP		
2	0.1539	22.6	10.42	33.01	55.78	-22.77	AVG		
3	0.3704	30.27	10.49	40.76	58.5	-17.74	QP		
4	0.3704	26.99	10.49	37.48	48.5	-11.02	AVG		
5	4.6061	26.7	11.1	37.8	56	-18.2	QP		
6	4.6061	21.98	11.1	33.08	46	-12.92	AVG		
7	17.506	32.89	13.96	46.85	60	-13.15	QP		
*	8	17.506	13.96	41.73	50	-8.27	AVG		
9	20.6061	30.98	14.68	45.66	60	-14.34	QP		
10	20.6061	25.9	14.68	40.58	50	-9.42	AVG		
11	25.0257	28.38	15.33	43.71	60	-16.29	QP		
12	25.0257	23.88	15.33	39.21	50	-10.79	AVG		

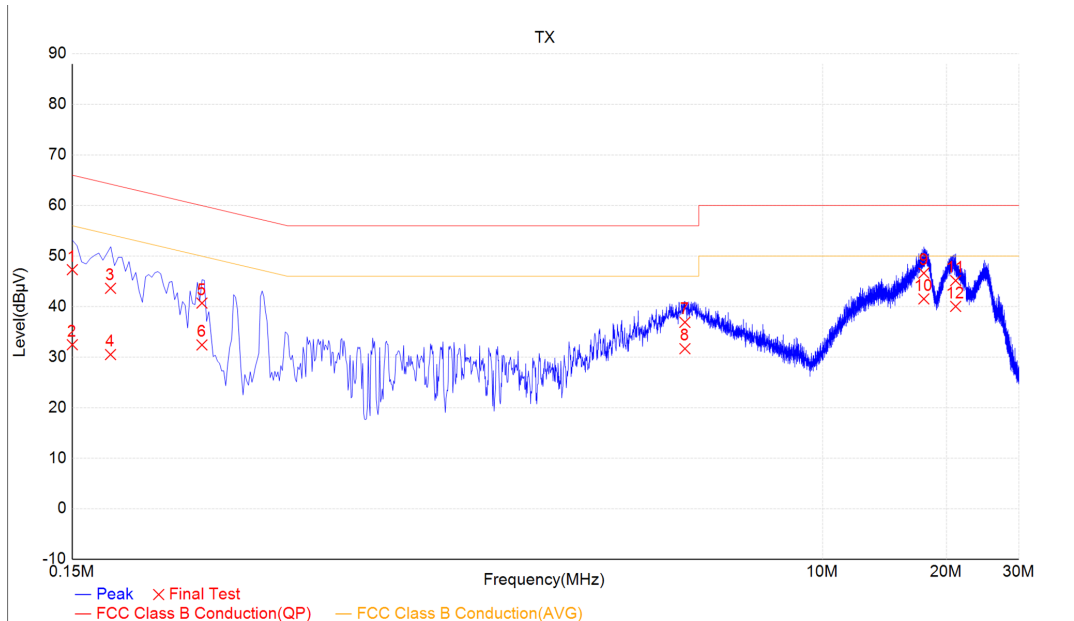
REMARKS:

(1) Level = Reading + Factor.

(2) Margin = Level - Limit.

Directional Antenna

Test Mode	TX AC(VHT20) Mode Channel 149 (UNII-3)	Phase	Line
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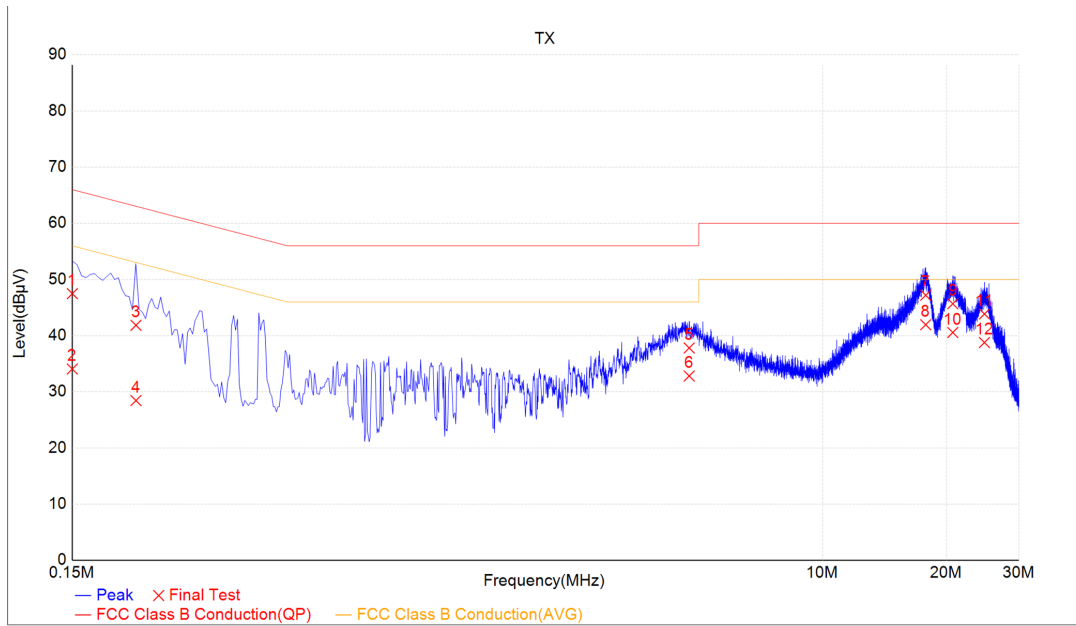
Suspected Note List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content	
1	0.15	36.93	10.36	47.3	66	-18.7	QP		
2	0.15	22.1	10.36	32.46	56	-23.54	AVG		
3	0.1858	33.23	10.39	43.62	64.21	-20.59	QP		
4	0.1858	20.12	10.39	30.51	54.21	-23.7	AVG		
5	0.3099	30.25	10.45	40.7	59.97	-19.27	QP		
6	0.3099	21.97	10.45	32.42	49.97	-17.55	AVG		
7	4.6258	25.85	11.04	36.89	56	-19.11	QP		
8	4.6258	20.63	11.04	31.67	46	-14.33	AVG		
9	17.6184	32.85	13.77	46.62	60	-13.38	QP		
*	10	17.6184	13.77	41.52	50	-8.48	AVG		
11	21.0543	30.6	14.54	45.14	60	-14.86	QP		
12	21.0543	25.5	14.54	40.04	50	-9.96	AVG		

REMARKS:

(1) Level = Reading + Factor.

(2) Margin = Level - Limit.

Test Mode	TX AC(VHT20) Mode Channel 149 (UNII-3)	Phase	Neutral
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Suspected Note List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	Level [dBμV]	Limit [dBμV]	Margin [dB]	Detector	Content	
1	0.15	37.07	10.42	47.48	66	-18.52	QP		
2	0.15	23.66	10.42	34.07	56	-21.93	AVG		
3	0.2142	31.4	10.44	41.85	63.05	-21.2	QP		
4	0.2142	18	10.44	28.45	53.05	-24.6	AVG		
5	4.7384	26.67	11.14	37.81	56	-18.19	QP		
6	4.7384	21.68	11.14	32.82	46	-13.18	AVG		
7	17.8021	33.17	14.03	47.2	60	-12.8	QP		
*	8	17.8021	14.03	41.95	50	-8.05	AVG		
9	20.7176	30.98	14.7	45.68	60	-14.32	QP		
10	20.7176	25.86	14.7	40.56	50	-9.44	AVG		
11	24.734	28.58	15.29	43.86	60	-16.14	QP		
12	24.734	23.49	15.29	38.78	50	-11.22	AVG		

REMARKS:

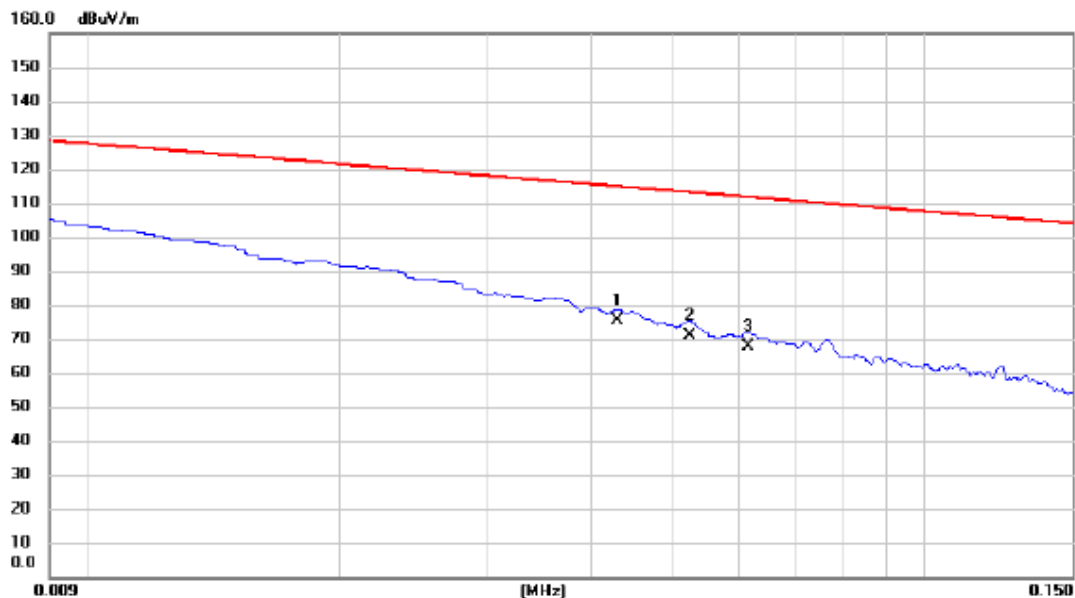
(1) Level = Reading + Factor.

(2) Margin = Level - Limit.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Omnidirectional Antenna

Test Mode	TX AC(VHT40) Mode Channel 46 (UNII-1)	Polarization	Ant 0°
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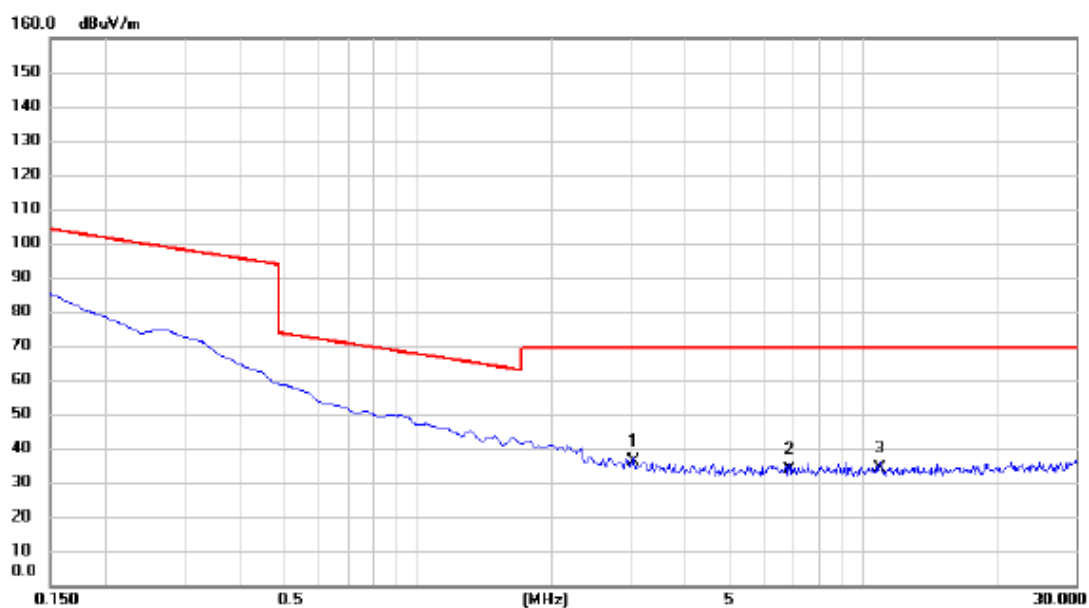


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.043	54.71	20.62	75.33	114.94	-39.61	AVG	
2		0.052	50.35	20.64	70.99	113.23	-42.24	AVG	
3		0.062	47.29	20.61	67.90	111.81	-43.91	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AC(VHT40) Mode Channel 46 (UNII-1)	Polarization	Ant 0°
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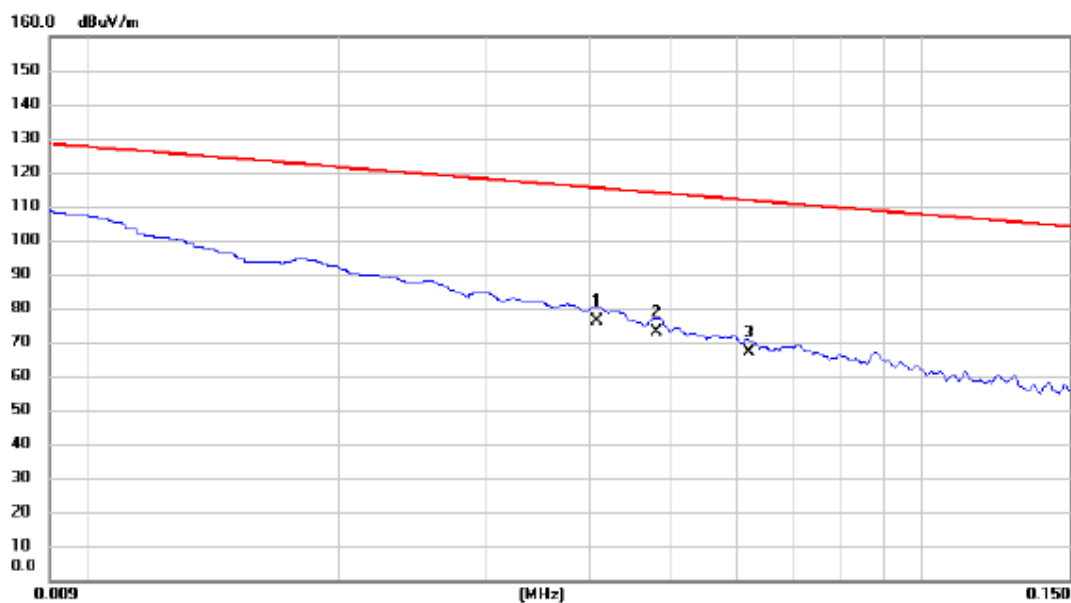


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	3.046	15.71	20.34	36.05	69.54	-33.49	QP	
2	6.806	13.26	20.40	33.66	69.54	-35.88	QP	
3	10.866	13.59	20.46	34.05	69.54	-35.49	QP	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AC(VHT40) Mode Channel 46 (UNII-1)	Polarization	Ant 90°
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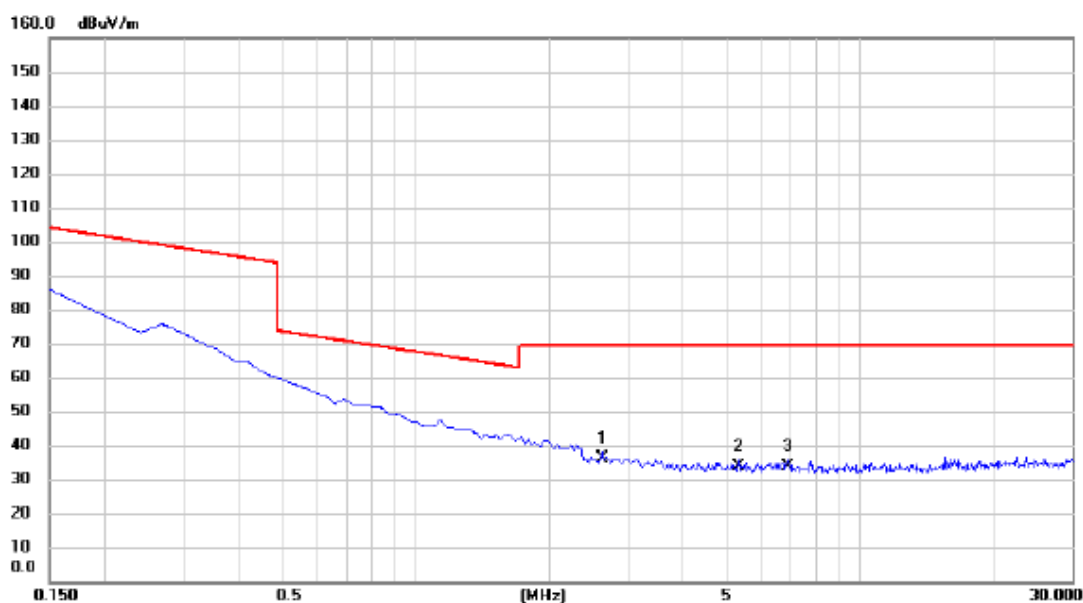
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	0.041	55.71	20.60	76.31	115.41	-39.10	AVG	
2	0.048	52.34	20.64	72.98	113.96	-40.98	AVG	
3	0.062	46.29	20.61	66.90	111.76	-44.86	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AC(VHT40) Mode Channel 46 (UNII-1)	Polarization	Ant 90°
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No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2.627	15.71	20.34	36.05	69.54	-33.49	QP	
2	5.344	13.59	20.38	33.97	69.54	-35.57	QP	
3	6.896	13.54	20.39	33.93	69.54	-35.61	QP	

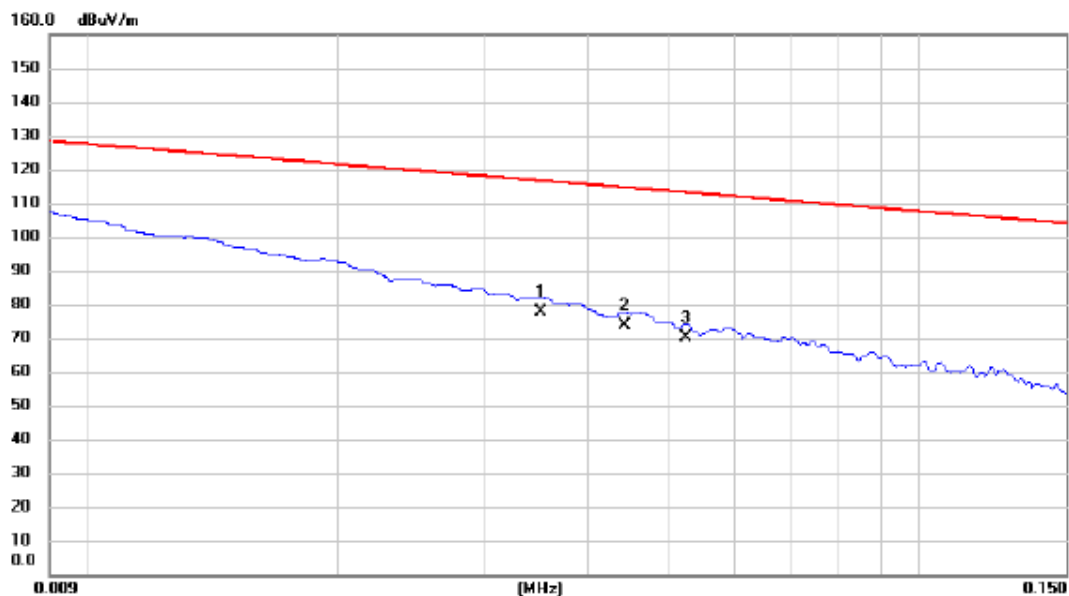
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Directional Antenna

Test Mode	TX AC(VHT20) Mode Channel 149 (UNII-3)	Polarization	Ant 0°
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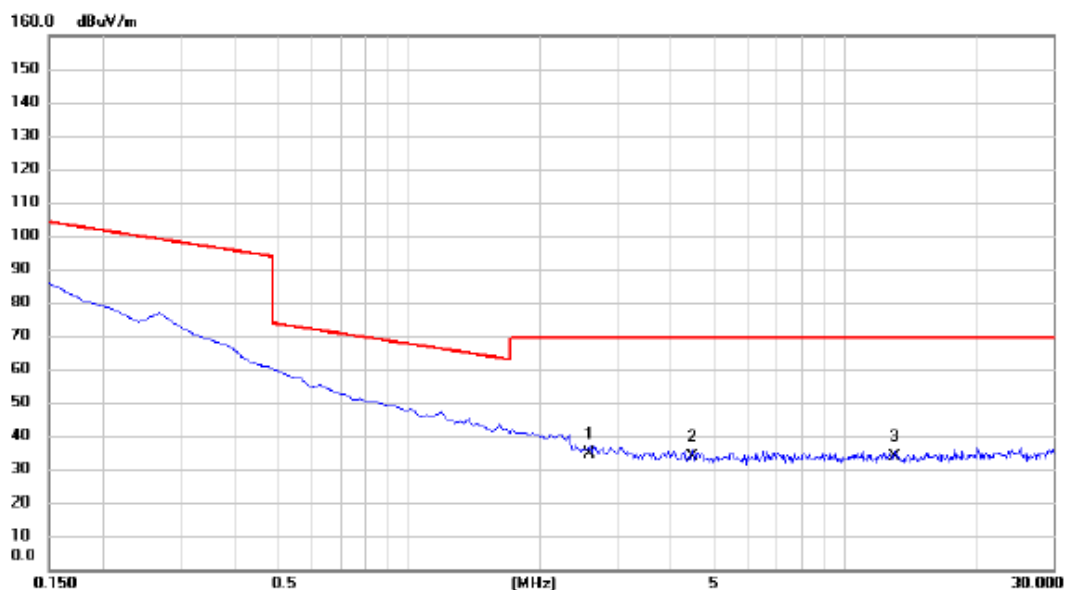


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.035	57.40	20.58	77.98	116.72	-38.74	AVG	
2		0.044	53.29	20.62	73.91	114.70	-40.79	AVG	
3		0.052	49.53	20.64	70.17	113.23	-43.06	AVG	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode	TX AC(VHT20) Mode Channel 149 (UNII-3)	Polarization	Ant 0°
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No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2.598	14.21	20.34	34.55	69.54	-34.99	QP	
2	4.478	13.56	20.36	33.92	69.54	-35.62	QP	
3	12.986	13.41	20.37	33.78	69.54	-35.76	QP	

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.