



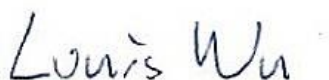
FCC RADIO TEST REPORT

FCC ID : U8G-P1BE08
Equipment : Peplink Pepwave Wireless Product
Brand Name : **PEPWAVE**

Model Name : AP One Enterprise
APO-ENTR
Applicant : PISMO LABS TECHNOLOGY LIMITED
A8, 5/F, HK Spinners Industrial
Building, Phase 6, 481 Castle Peak
Road, Cheung Sha Wan, Hong Kong
Manufacturer : PISMO LABS TECHNOLOGY LIMITED
A8, 5/F, HK Spinners Industrial
Building, Phase 6, 481 Castle Peak
Road, Cheung Sha Wan, Hong Kong
Standard : FCC Part 15 Subpart E §15.407

The product was received on Dec. 11, 2025 and testing was performed from Jan. 08, 2026 to Mar. 04, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR5D1130B	01	Initial issue of report	May 25, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(a)	Maximum Conducted Output Power	Pass	-
3.2	15.407(b)	Unwanted Emissions	Pass	-

Note: This is a spot check report. The difference is that BLE 、TDWR and Zero-Wait functionality is disabled by software,placed the Nor and EMMC components, removed TPM and NAND components. Refer to the original applicant report number FR381846AN for verification of output power and spurious emissions.

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Lewis Ho

Report Producer: Shannon Huang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	
Wi-Fi 2.4GHz 802.11b/g/n/ac/ax/be, Wi-Fi 5GHz 802.11a/n/ac/ax/be, and Wi-Fi 6GHz 802.11ax/be	

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

<Antenna Information>

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Senao	5718A0738300	PIFA	I-Pex	2.4G	Radio 1
2	Senao	5718A0739300	PIFA	I-Pex	2.4G	
3	Senao	5718A0740300	PIFA	I-Pex	2.4G	
4	Senao	5718A0741300	PIFA	I-Pex	2.4G	
5	Senao	5718A0742300	PIFA	I-Pex	5G	Radio 2
6	Senao	5718A0743300	PIFA	I-Pex	5G	
7	Senao	5718A0744300	PIFA	I-Pex	5G	
8	Senao	5718A0745300	PIFA	I-Pex	5G	
9	ADVANCED WIRELESS & ANTENNA Inc.	A8P8P-100089	Alford loop	I-Pex	6E	Radio 3
10	ADVANCED WIRELESS & ANTENNA Inc.	A8P8P-100090	Alford loop	I-Pex	6E	
11	ADVANCED WIRELESS & ANTENNA Inc.	A8P8P-100091	Alford loop	I-Pex	6E	
12	ADVANCED WIRELESS & ANTENNA Inc.	A8P8P-100092	Alford loop	I-Pex	6E	

Ant.	Port	Gain (dBi)								
		2.4G	5G				6E			
			UNII-1	UNII-2A	UNII-2C	UNII-3	6.175G	6.475G	6.695G	6.995G
1	1	2.82	-	-	-	-	-	-	-	
2	2	2.39	-	-	-	-	-	-	-	
3	3	2.33	-	-	-	-	-	-	-	
4	4	2.69	-	-	-	-	-	-	-	
5	1	-	4.81	4.19	5.45	4.98	-	-	-	
6	2	-	2.63	3.44	5.31	5.17	-	-	-	
7	3	-	5.06	5.29	4.27	3.96	-	-	-	
8	4	-	3.72	3.52	4.66	4.51	-	-	-	
9	1	-	-	-	-	-	4.96	4.99	4.98	4.78
10	2	-	-	-	-	-	4.72	4.74	4.53	4.69
11	3	-	-	-	-	-	4.88	4.63	4.47	4.94
12	4	-	-	-	-	-	4.77	4.84	4.61	4.26

Composite Gain (dBi)									
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	6.175G	6.475G	6.695G	6.995G
DG [1SS]	6.46	7.31	7.57	8.57	8.92	9.98	9.93	9.53	9.86
DG [2SS]	3.46	5.06	5.29	5.57	5.92	6.98	6.93	6.53	6.86
DG [4SS]	2.82	5.06	5.29	5.45	5.17	4.96	4.99	4.98	4.94

Note 1: The EUT has thirteen antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP381814.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (4TX/4RX)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX)

Ant. 5 (port 1), Ant. 6 (port 2), Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (4TX/4RX)

Ant. 9 (port 1), Ant. 10 (port 2), Ant. 11(port 3) and Ant. 12 (port 4) could transmit/receive simultaneously.

1.2 Modification of EUT

No modifications made to the EUT during the testing.



1.3 Testing Location

The test location is accredited based on TAF code 3786 designated by NCC (National Communication Commission).

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

FCC designation No.: TW3786

Note: The test site complies with ANSI C63.4 2014 requirement.

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC Part 15 Subpart E
- ♦ ANSI C63.10-2020 + Cor.1-2023

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40, 802.11ac VHT40, 802.11ax HE40 and 802.11be EHT40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80, 802.11ax HE80 and 802.11be EHT80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160, 802.11ax HE160 and 802.11be EHT160.

2.2 Test Mode

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

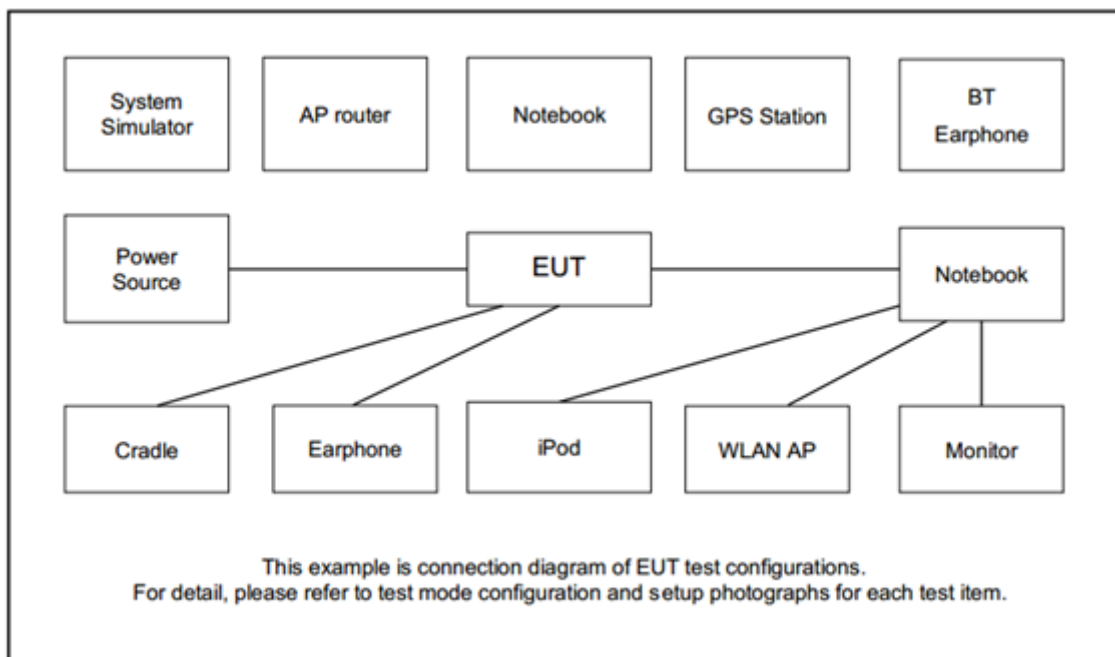
TXBF Mode

Modulation	Data Rate
802.11be EHT20	MCS0
802.11be EHT40	MCS0
802.11be EHT80	MCS0
802.11be EHT160	MCS0

Remark:

1. The detailed Radiated test modes are shown in Appendix B.
2. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	IdeaPad Gaming	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	WLAN AP	Netgear	RAXE500	PY320300508	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QSPR Version 6.00.00228.1" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The "Putty Release 0.83" software tool was used to enable the EUT to transmit signals continuously.

3 Test Result

3.1 Maximum Conducted Output Power Measurement

3.1.1 Limit of Maximum Conducted Output Power

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. 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.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm $10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

For the band 5.725–5.85 GHz bands:

■ The maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

<CDD Modes>

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

<TXBF Modes>

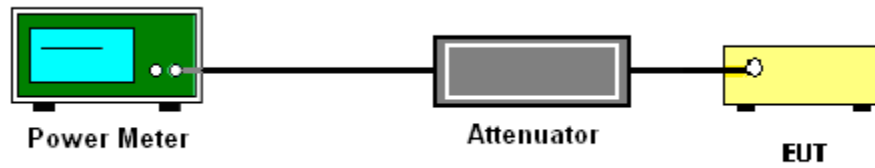
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4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.1.4 Test Setup



3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.2 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.2.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band:

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.

- (2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table:

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

Note: The following formula is used to convert the EIRP to field strength.

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



EIRP (dBm)	Field Strength at 3m (dB μ V/m)
- 27	68.3

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

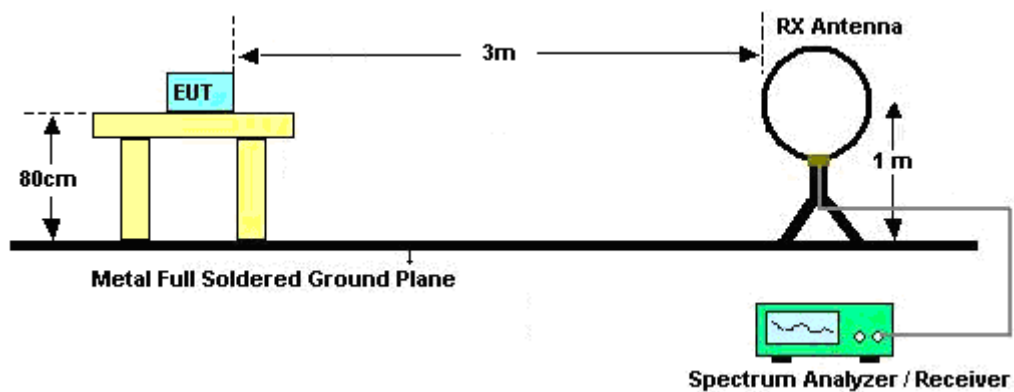
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

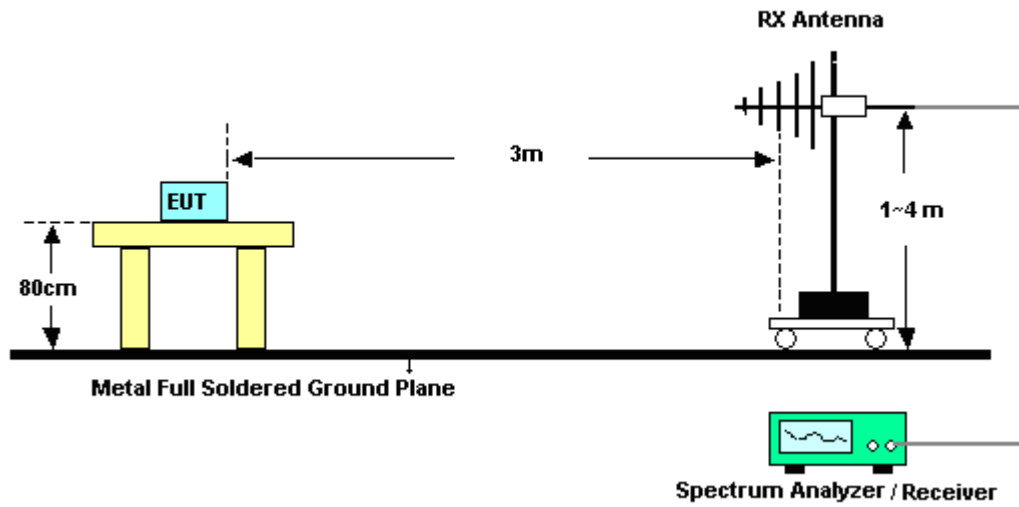
3.2.4 Test Setup

For radiated emissions below 30MHz

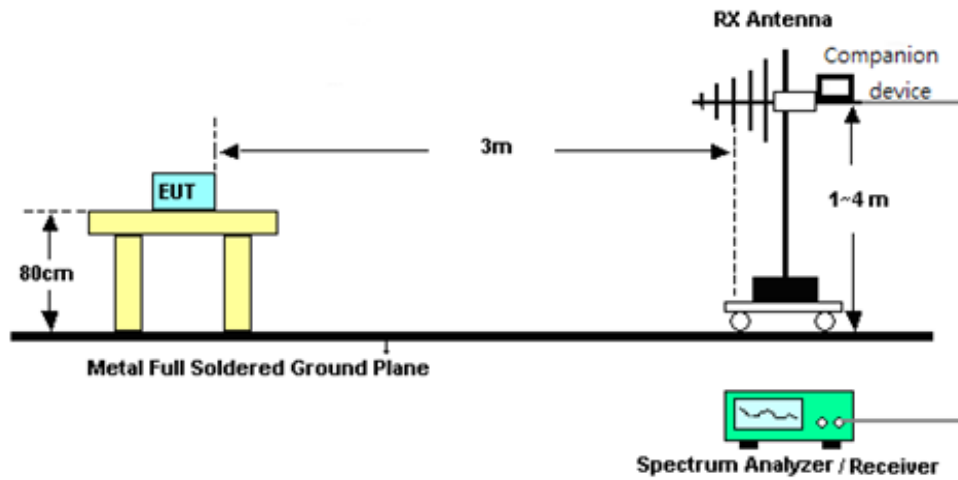


For radiated emissions from 30MHz to 1GHz

<CDD Mode>

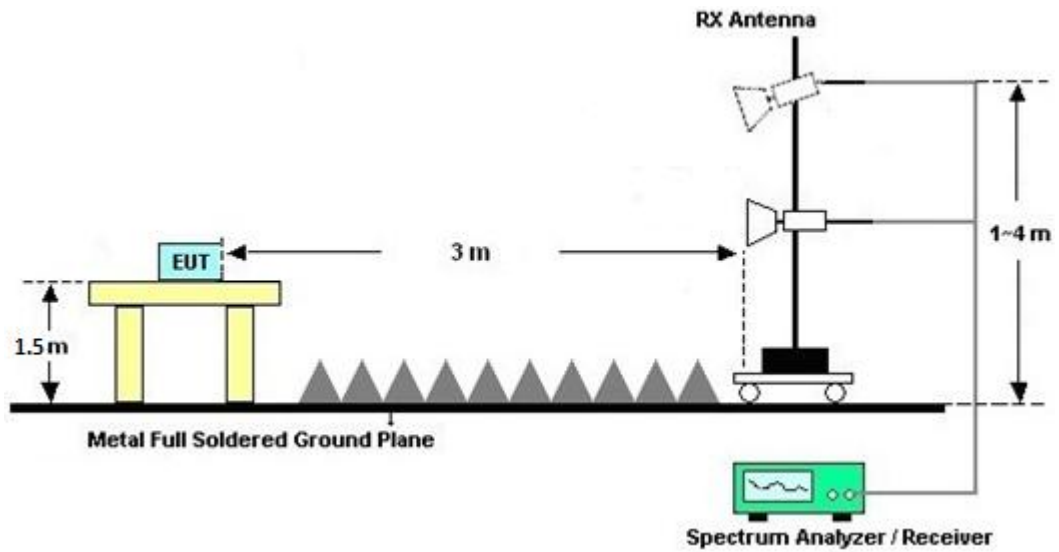


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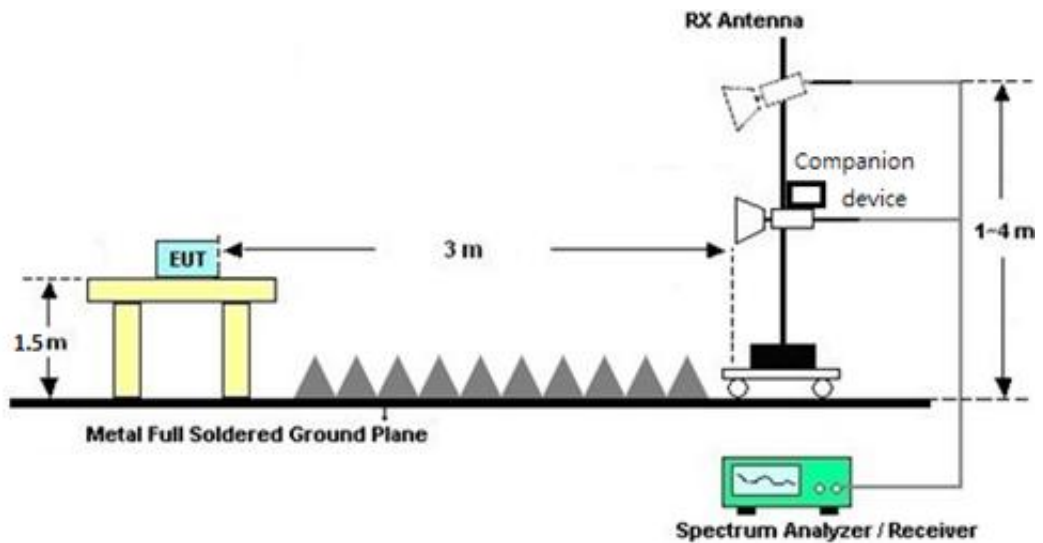


For radiated test from 1GHz to 18GHz

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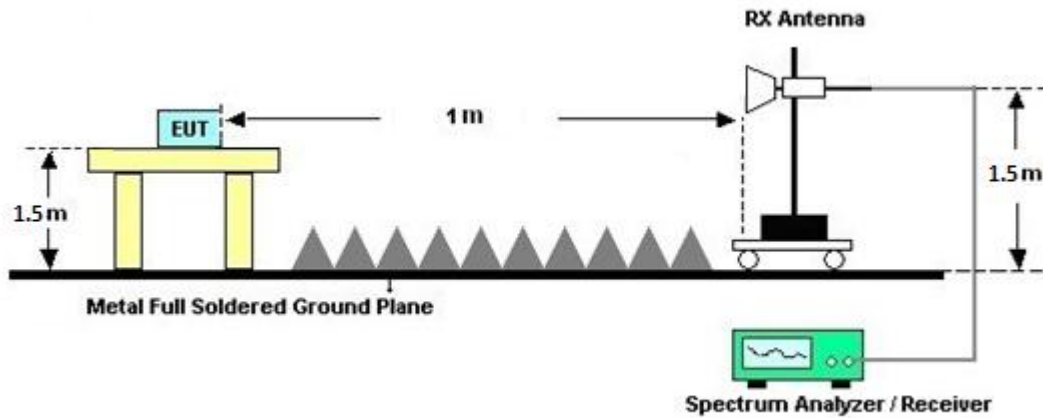


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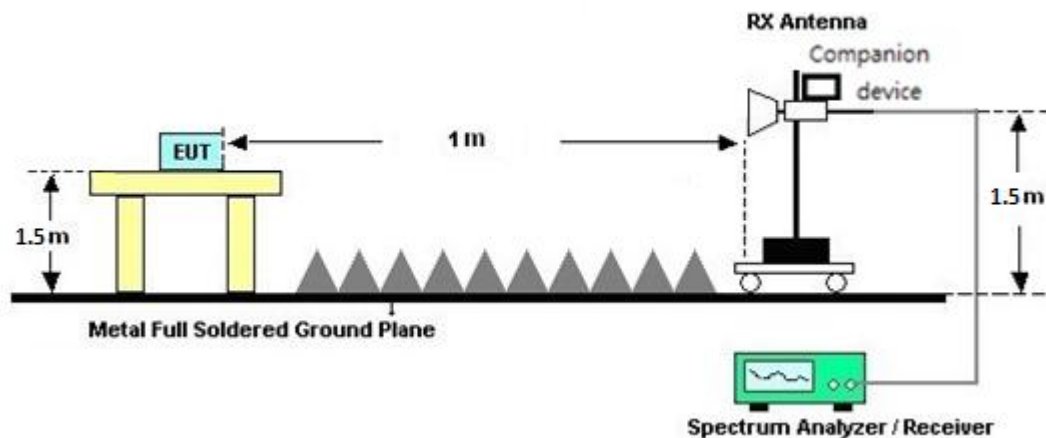


For radiated test above 18GHz

<CDD Mode>



<TXBF Modes>



3.2.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



3.2.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B.

3.2.7 Duty Cycle

Please refer to Appendix C.

3.2.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix B.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	Jan. 08, 2025~ Jan. 12, 2026	Dec. 10, 2026	Radiation (03CH23-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D-06	62028 & 003	30MHz~1GHz	Nov. 26, 2025	Jan. 08, 2025~ Jan. 12, 2026	Nov. 25, 2026	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	9kHz~1GHz	Jul. 13, 2025	Jan. 08, 2025~ Jan. 12, 2026	Jul. 12, 2026	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060878	1GHz~18GHz	Sep. 26, 2025	Jan. 08, 2025~ Jan. 12, 2026	Sep. 25, 2026	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A1 8EN	1GHz~18GHz	Jul. 02, 2025	Jan. 08, 2025~ Jan. 12, 2026	Jul. 01, 2026	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY621703 37	10Hz~44GHz	Aug. 26, 2025	Jan. 08, 2025~ Jan. 12, 2026	Aug. 25, 2026	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Aug. 26, 2025	Jan. 08, 2025~ Jan. 12, 2026	Aug. 25, 2026	Radiation (03CH23-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9170	1225	18GHz~40GHz	Jul. 02, 2025	Jan. 08, 2025~ Jan. 12, 2026	Jul. 01, 2026	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP210001	N/A	Nov. 06, 2025	Jan. 08, 2025~ Jan. 12, 2026	Nov. 05, 2026	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 08, 2025~ Jan. 12, 2026	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 08, 2025~ Jan. 12, 2026	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 08, 2025~ Jan. 12, 2026	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019 122	RK-00234 8	N/A	N/A	Jan. 08, 2025~ Jan. 12, 2026	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804395/2	30MHz~40GHz	Nov. 25, 2025	Jan. 08, 2025~ Jan. 12, 2026	Nov. 24, 2026	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/23 1119/2311 22	30MHz~40GHz	Nov. 25, 2025	Jan. 08, 2025~ Jan. 12, 2026	Nov. 24, 2026	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Jan. 12, 2026~ Mar. 04, 2026	Nov. 03, 2026	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015S NO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Jan. 12, 2026~ Mar. 04, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 29, 2025	Jan. 12, 2026~ Mar. 04, 2026	Aug. 28, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC190006 7 (BOX7)	N/A	Jul. 02, 2025	Jan. 12, 2026~ Mar. 04, 2026	Jul. 01, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final _version_240 513	N/A	Conducted Other Test Item	N/A	Jan. 12, 2026~ Mar. 04, 2026	N/A	Conducted (TH05-HY)



5 Measurement Uncertainty

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.7 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
--	--------

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer	Junyu Jhou	Temperature	21~25	°C
Test Date	2026/1/12~2026/3/4	Relative Humidity	51~54	%

<non-TXBF Mode>

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 4Tx Mode												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM			
11a	6Mbps	4	36	5180	16.10	15.40	15.80	15.80	21.80	30.00	5.06	Pass
11a	6Mbps	4	40	5200	17.20	16.70	16.80	16.90	22.92	30.00	5.06	Pass
11a	6Mbps	4	48	5240	20.10	19.90	19.80	20.20	26.02	30.00	5.06	Pass

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO 4Tx Mode													
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM	Ant 1 + 2 + 3 + 4			
11a	6Mbps	4	52	5260	15.70	15.10	15.10	15.10	21.28	23.98	5.29	30.00	Pass
11a	6Mbps	4	60	5300	15.60	14.80	14.70	15.20	21.11	23.98	5.29	30.00	Pass
11a	6Mbps	4	64	5320	15.60	15.40	14.90	15.90	21.49	23.98	5.29	30.00	Pass

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO 4Tx Mode													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dB)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	100	5500	14.20	13.50	13.70	13.80	19.83	23.98	5.45	30.00	Pass
11a	6Mbps	4	116	5580	14.60	14.20	14.30	14.40	20.40	23.98	5.45	30.00	Pass
11a	6Mbps	4	140	5700	14.70	14.20	14.00	14.40	20.35	23.98	5.45	30.00	Pass

FCC Band III MIMO 4Tx Mode													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dB)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
11a	6Mbps	4	144	5720 (5.47-5.725GHz)	12.71	12.25	12.41	12.44	18.48	23.98	5.45	30.00	Pass
11a	6Mbps	4	144	5720 (5.725-5.85GHz)	7.01	6.42	6.44	6.89	12.72	23.98	5.17	30.00	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM			
11a	6Mbps	4	149	5745	19.20	18.60	18.6	18.90	24.85	30.00	5.17	Pass
11a	6Mbps	4	157	5785	19.20	18.80	18.6	19.20	24.98	30.00	5.17	Pass
11a	6Mbps	4	165	5825	18.70	18.10	18.3	18.50	24.43	30.00	5.17	Pass

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 4Tx Mode												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM			
EHT20	MCS0	4	36	5180	16.80	16.10	16.60	16.30	22.48	30.00	5.06	Pass
EHT20	MCS0	4	40	5200	17.80	17.30	17.30	17.30	23.45	30.00	5.06	Pass
EHT20	MCS0	4	48	5240	20.50	20.30	20.30	20.50	26.42	30.00	5.06	Pass
EHT40	MCS0	4	38	5190	16.10	15.80	16.10	16.10	22.05	30.00	5.06	Pass
EHT40	MCS0	4	46	5230	18.50	18.30	18.50	18.50	24.47	30.00	5.06	Pass
EHT80	MCS0	4	42	5210	16.20	16.00	16.10	15.90	22.07	30.00	5.06	Pass
EHT160	MCS0	4	50 (5.15-5.25GHz)	5250	11.57	11.49	11.25	11.41	17.45	30.00	5.06	Pass
EHT160	MCS0	4	50 (5.25-5.35GHz)	5250	11.34	10.88	10.65	11.03	17.00	30.00	5.29	Pass

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO 4Tx Mode													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	52	5260	15.80	15.40	15.40	15.40	21.52	23.98	5.29	30.00	Pass
EHT20	MCS0	4	60	5300	16.00	15.30	15.20	15.70	21.58	23.98	5.29	30.00	Pass
EHT20	MCS0	4	64	5320	16.10	15.70	15.40	16.10	21.86	23.98	5.29	30.00	Pass
EHT40	MCS0	4	54	5270	17.20	17.00	17.00	17.00	23.07	23.98	5.29	30.00	Pass
EHT40	MCS0	4	62	5310	16.70	16.50	16.40	16.50	22.55	23.98	5.29	30.00	Pass
EHT80	MCS0	4	58	5290	16.30	16.20	16.10	16.10	22.20	23.98	5.29	30.00	Pass

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO 4Tx Mode													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dB)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	100	5500	14.20	13.70	13.80	14.10	19.98	23.98	5.45	30.00	Pass
EHT20	MCS0	4	116	5580	14.80	14.20	14.30	14.60	20.50	23.98	5.45	30.00	Pass
EHT20	MCS0	4	140	5700	14.10	14.00	13.90	14.20	20.07	23.98	5.45	30.00	Pass
EHT40	MCS0	4	102	5510	16.90	16.60	16.60	17.20	22.85	23.98	5.45	30.00	Pass
EHT40	MCS0	4	110	5550	16.70	16.40	16.60	16.80	22.65	23.98	5.45	30.00	Pass
EHT40	MCS0	4	134	5670	17.00	16.80	16.80	16.60	22.82	23.98	5.45	30.00	Pass
EHT80	MCS0	4	106	5530	16.60	16.30	16.30	16.50	22.45	23.98	5.45	30.00	Pass
EHT80	MCS0	4	122	5610	17.00	16.60	16.80	16.80	22.82	23.98	5.45	30.00	Pass
EHT160	MCS0	4	114	5570	16.80	16.60	16.20	16.60	22.58	23.98	5.45	30.00	Pass

FCC Band III MIMO 4Tx Mode													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dB)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	144	5720 (5.47-5.725GHz)	12.50	12.23	12.20	12.30	18.33	23.98	5.45	30.00	Pass
EHT20	MCS0	4	144	5720 (5.725-5.85GHz)	7.77	7.41	7.06	7.74	13.53	23.98	5.17	30.00	Pass
EHT40	MCS0	4	142	5710 (5.47-5.725GHz)	15.88	15.62	15.62	15.94	21.79	23.98	5.45	30.00	Pass
EHT40	MCS0	4	142	5710 (5.725-5.85GHz)	7.13	6.69	6.77	6.84	12.88	23.98	5.17	30.00	Pass
EHT80	MCS0	4	138	5690 (5.47-5.725GHz)	15.80	15.55	15.29	15.67	21.60	23.98	5.45	30.00	Pass
EHT80	MCS0	4	138	5690 (5.725-5.85GHz)	3.86	3.25	3.43	3.60	9.56	23.98	5.17	30.00	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM			
EHT20	MCS0	4	149	5745	19.60	19.40	19.4	19.60	25.52	30.00	5.17	Pass
EHT20	MCS0	4	157	5785	19.60	19.30	19.1	19.70	25.45	30.00	5.17	Pass
EHT20	MCS0	4	165	5825	19.30	18.90	19.1	19.00	25.10	30.00	5.17	Pass
EHT40	MCS0	4	151	5755	18.50	18.30	18.5	18.80	24.55	30.00	5.17	Pass
EHT40	MCS0	4	159	5795	19.50	19.30	19.5	19.20	25.40	30.00	5.17	Pass
EHT80	MCS0	4	155	5775	17.50	17.00	17.2	17.30	23.27	30.00	5.17	Pass

<TXBF Mode>

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO 4Tx Mode												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM			
EHT20	MCS0	4	36	5180	16.50	16.50	16.20	16.30	22.40	28.69	7.31	Pass
EHT20	MCS0	4	40	5200	17.00	17.00	16.90	17.00	23.00	28.69	7.31	Pass
EHT20	MCS0	4	48	5240	18.80	18.70	18.70	18.60	24.72	28.69	7.31	Pass
EHT40	MCS0	4	38	5190	16.50	16.50	16.40	16.30	22.45	28.69	7.31	Pass
EHT40	MCS0	4	46	5230	18.50	18.60	18.30	18.60	24.52	28.69	7.31	Pass
EHT80	MCS0	4	42	5210	16.40	16.70	16.30	16.30	22.45	28.69	7.31	Pass
EHT160	MCS0	4	50 (5.15-5.25GHz)	5250	10.83	10.96	10.59	10.43	16.73	28.69	7.31	Pass
EHT160	MCS0	4	50 (5.25-5.35GHz)	5250	10.46	10.23	9.98	10.04	16.20	28.43	7.57	Pass

TEST RESULTS DATA
Average Power Table

FCC Band II MIMO 4Tx Mode													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	52	5260	14.50	14.50	14.00	14.20	20.33	22.41	7.57	30.00	Pass
EHT20	MCS0	4	60	5300	14.80	15.10	14.60	14.70	20.82	22.41	7.57	30.00	Pass
EHT20	MCS0	4	64	5320	14.90	15.00	14.60	15.10	20.92	22.41	7.57	30.00	Pass
EHT40	MCS0	4	54	5270	15.80	15.70	15.40	15.30	21.58	22.41	7.57	30.00	Pass
EHT40	MCS0	4	62	5310	15.80	15.70	15.40	15.20	21.55	22.41	7.57	30.00	Pass
EHT80	MCS0	4	58	5290	15.50	15.40	15.40	15.60	21.50	22.41	7.57	30.00	Pass

TEST RESULTS DATA
Average Power Table

FCC Band III MIMO 4Tx Mode													
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Average Conducted Power (dB)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	100	5500	13.40	13.40	12.80	13.10	19.20	21.41	8.57	30.00	Pass
EHT20	MCS0	4	116	5580	13.50	13.40	13.10	13.30	19.35	21.41	8.57	30.00	Pass
EHT20	MCS0	4	140	5700	13.00	13.50	12.80	12.90	19.08	21.41	8.57	30.00	Pass
EHT40	MCS0	4	102	5510	14.00	13.90	13.50	13.60	19.78	21.41	8.57	30.00	Pass
EHT40	MCS0	4	110	5550	14.00	13.90	13.60	13.60	19.80	21.41	8.57	30.00	Pass
EHT40	MCS0	4	134	5670	14.40	14.70	14.20	14.30	20.42	21.41	8.57	30.00	Pass
EHT80	MCS0	4	106	5530	14.80	14.80	14.50	14.30	20.63	21.41	8.57	30.00	Pass
EHT80	MCS0	4	122	5610	14.60	14.60	14.20	14.60	20.52	21.41	8.57	30.00	Pass
EHT160	MCS0	4	114	5570	13.40	13.50	13.20	13.20	19.35	21.41	8.57	30.00	Pass

FCC Band III MIMO 4Tx Mode													
Mod.	Data Rate	Ntx	CH.	Freq. (MHz)	Average Conducted Power (dB)					FCC Conducted Power Limit (dBm)	DG (dBi)	FCC EIRP Power Limit (dBm)	Pass /Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM				
EHT20	MCS0	4	144	5720 (5.47-5.725GHz)	11.44	11.99	11.49	12.01	17.76	21.41	8.57	30.00	Pass
EHT20	MCS0	4	144	5720 (5.725-5.85GHz)	6.33	7.66	6.09	6.13	12.62	21.06	8.92	30.00	Pass
EHT40	MCS0	4	142	5710 (5.47-5.725GHz)	13.00	12.74	12.67	12.71	18.80	21.41	8.57	30.00	Pass
EHT40	MCS0	4	142	5710 (5.725-5.85GHz)	6.34	4.21	4.10	4.57	10.93	21.06	8.92	30.00	Pass
EHT80	MCS0	4	138	5690 (5.47-5.725GHz)	12.74	12.75	12.52	12.72	18.70	21.41	8.57	30.00	Pass
EHT80	MCS0	4	138	5690 (5.725-5.85GHz)	0.79	0.24	0.27	0.24	6.41	23.98	8.92	30.00	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO 4Tx Mode												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)					FCC Conducted Power Limit (dBm)	DG (dBi)	Pass/Fail
					Ant 1	Ant 2	Ant 3	Ant 4	SUM			
EHT20	MCS0	4	149	5745	18.60	18.80	18.6	18.90	24.75	27.08	8.92	Pass
EHT20	MCS0	4	157	5785	18.20	18.10	18.3	18.60	24.32	27.08	8.92	Pass
EHT20	MCS0	4	165	5825	18.70	18.80	18.7	18.70	24.75	27.08	8.92	Pass
EHT40	MCS0	4	151	5755	18.00	17.90	17.8	18.20	24.00	27.08	8.92	Pass
EHT40	MCS0	4	159	5795	18.30	18.20	18.1	18.40	24.27	27.08	8.92	Pass
EHT80	MCS0	4	155	5775	18.00	17.70	17.6	17.70	23.77	27.08	8.92	Pass



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	Leo Li and Karl Hou	Temperature :	19.0 ~ 23.0°C
		Relative Humidity :	60.0 ~ 64.5%

Note symbol

-L	Low channel location
-R	High channel location



B1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-2A	5.25-5.35	4Tx	802.11a	64	5320	6Mbps	-	-
Mode 2	U-NII-3	5.74-5.82	4Tx	802.11be EHT40	159	5795	MCS0	Full RU	LF

B2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	64	5364.80	43.20	54.00	-10.80	V	Avg.	Pass	-	Band Edge
	802.11a	64	15960.00	46.17	54.00	-7.83	H	Avg.	Pass	-	Harmonic
2	802.11be EHT40	159	148.34	37.43	43.50	-6.07	V	Peak	Pass	Full RU	LF



Mode	1																																																																																		
	Band Edge																																																																																		
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz																																																																																		
ANT	4Tx																																																																																		
Pol.	Horizontal						Fundamental																																																																												
Peak	Level (dBuV/m) Date: 2026-01-08 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1 5421.00</td><td>51.37</td><td>74.00</td><td>-22.63</td><td>37.65</td><td>32.64</td><td>10.99</td><td>33.42</td><td>3.51</td><td>300</td><td></td><td>5 Peak</td></tr></table>						Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1 5421.00	51.37	74.00	-22.63	37.65	32.64	10.99	33.42	3.51	300		5 Peak	Level (dBuV/m) Date: 2026-01-08 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1 5320.00</td><td>106.14</td><td>-----</td><td>-----</td><td>92.36</td><td>32.55</td><td>10.91</td><td>33.15</td><td>3.47</td><td>300</td><td></td><td>5 Peak</td></tr></table>					Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1 5320.00	106.14	-----	-----	92.36	32.55	10.91	33.15	3.47	300		5 Peak
	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																									
1 5421.00	51.37	74.00	-22.63	37.65	32.64	10.99	33.42	3.51	300		5 Peak																																																																								
Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																								
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																									
1 5320.00	106.14	-----	-----	92.36	32.55	10.91	33.15	3.47	300		5 Peak																																																																								
Avg	Level (dBuV/m) Date: 2026-01-08 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.510kHz SMT:Auto <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1 5443.48</td><td>41.74</td><td>54.00</td><td>-12.26</td><td>28.01</td><td>32.69</td><td>11.02</td><td>33.49</td><td>3.51</td><td>300</td><td></td><td>5 Average</td></tr></table>						Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1 5443.48	41.74	54.00	-12.26	28.01	32.69	11.02	33.49	3.51	300		5 Average	Level (dBuV/m) Date: 2026-01-08 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL : RBW:1000.000kHz VBW:0.510kHz SMT:Auto <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1 5320.00</td><td>98.59</td><td>-----</td><td>-----</td><td>84.81</td><td>32.55</td><td>10.91</td><td>33.15</td><td>3.47</td><td>300</td><td></td><td>5 Average</td></tr></table>					Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1 5320.00	98.59	-----	-----	84.81	32.55	10.91	33.15	3.47	300		5 Average
	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																							
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1 5320.00	98.59	-----	-----	84.81	32.55	10.91	33.15	3.47	300		5 Average																																																																								



Mode	1																																																																																									
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ANT	4Tx																																																																																									
Pol.	Vertical						Fundamental																																																																																			
Peak	Level (dBuV/m) Date: 2026-01-08 PEAK_BE_74 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5379.64</td><td>53.03</td><td>74.00</td><td>-20.97</td><td>39.34</td><td>32.56</td><td>10.95</td><td>33.31</td><td>3.49</td><td>276</td><td>360</td><td>Peak</td></tr></table>							Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	5379.64	53.03	74.00	-20.97	39.34	32.56	10.95	33.31	3.49	276	360	Peak	Level (dBuV/m) Date: 2026-01-08 PEAK(UNII) Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5320.00</td><td>114.59</td><td>-----</td><td>-----</td><td>100.81</td><td>32.55</td><td>10.91</td><td>33.15</td><td>3.47</td><td>276</td><td>360</td><td>Peak</td></tr></table>							Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	5320.00	114.59	-----	-----	100.81	32.55	10.91	33.15	3.47	276	360	Peak
		Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																													
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Avg	Level (dBuV/m) Date: 2026-01-08 AVG_BE_54 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.510kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5364.00</td><td>43.20</td><td>54.00</td><td>-10.80</td><td>29.50</td><td>32.53</td><td>10.94</td><td>33.26</td><td>3.49</td><td>276</td><td>360</td><td>Average</td></tr></table>							Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	5364.00	43.20	54.00	-10.80	29.50	32.53	10.94	33.26	3.49	276	360	Average	Level (dBuV/m) Date: 2026-01-08 AVG_54 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL : RBW:1000.000kHz VBW:0.510kHz SMT:Auto <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5320.00</td><td>107.86</td><td>-----</td><td>-----</td><td>94.08</td><td>32.55</td><td>10.91</td><td>33.15</td><td>3.47</td><td>276</td><td>360</td><td>Average</td></tr></table>							Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		1	5320.00	107.86	-----	-----	94.08	32.55	10.91	33.15	3.47	276	360	Average
	Freq	Level	Limit	Line Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark																																																																														
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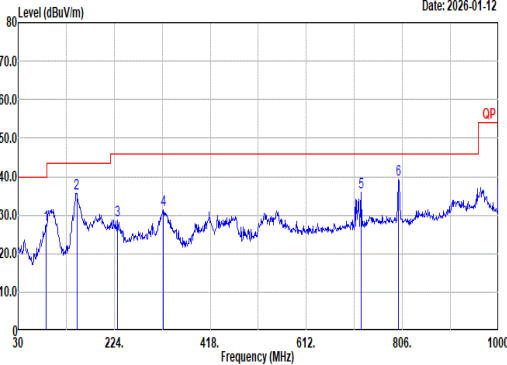
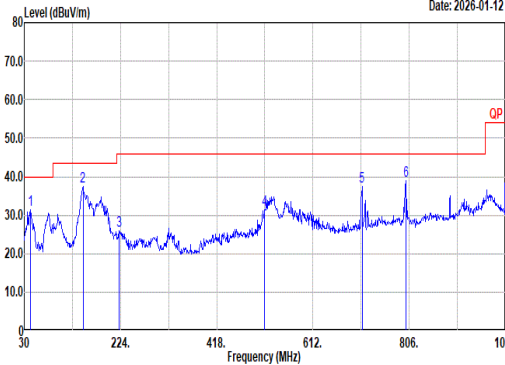


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Pol.	Horizontal	Vertical																																																																																																																																																																
Peak Avg	Level (dBuV/m) Date: 2026-01-08 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1 10640.00</td><td>52.03</td><td>74.00</td><td>-21.97</td><td>35.94</td><td>37.00</td><td>15.40</td><td>39.28</td><td>2.17</td><td>-- Peak</td></tr><tr><td>2 10640.00</td><td>41.80</td><td>54.00</td><td>-12.20</td><td>25.71</td><td>37.00</td><td>15.40</td><td>39.28</td><td>2.17</td><td>-- Average</td></tr><tr><td>3 15960.00</td><td>56.43</td><td>74.00</td><td>-17.57</td><td>39.08</td><td>40.98</td><td>19.05</td><td>45.19</td><td>2.51</td><td>-- Peak</td></tr><tr><td>4 15960.00</td><td>46.17</td><td>54.00</td><td>-7.83</td><td>28.02</td><td>40.98</td><td>19.05</td><td>45.19</td><td>2.51</td><td>-- Average</td></tr><tr><td>5 39604.00</td><td>47.85</td><td>74.00</td><td>-26.15</td><td>45.45</td><td>46.26</td><td>28.79</td><td>63.11</td><td>-9.54</td><td>-- Peak</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1 10640.00	52.03	74.00	-21.97	35.94	37.00	15.40	39.28	2.17	-- Peak	2 10640.00	41.80	54.00	-12.20	25.71	37.00	15.40	39.28	2.17	-- Average	3 15960.00	56.43	74.00	-17.57	39.08	40.98	19.05	45.19	2.51	-- Peak	4 15960.00	46.17	54.00	-7.83	28.02	40.98	19.05	45.19	2.51	-- Average	5 39604.00	47.85	74.00	-26.15	45.45	46.26	28.79	63.11	-9.54	-- Peak	Level (dBuV/m) Date: 2026-01-08 Site : 03CH23-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_250702 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1 10640.00</td><td>51.79</td><td>74.00</td><td>-22.21</td><td>35.70</td><td>37.00</td><td>15.40</td><td>39.28</td><td>2.17</td><td>-- Peak</td></tr><tr><td>2 10640.00</td><td>41.54</td><td>54.00</td><td>-12.46</td><td>25.45</td><td>37.00</td><td>15.40</td><td>39.28</td><td>2.17</td><td>-- Average</td></tr><tr><td>3 15960.00</td><td>55.37</td><td>74.00</td><td>-18.63</td><td>38.02</td><td>40.98</td><td>19.05</td><td>45.19</td><td>2.51</td><td>-- Peak</td></tr><tr><td>4 15960.00</td><td>45.14</td><td>54.00</td><td>-8.86</td><td>27.79</td><td>40.98</td><td>19.05</td><td>45.19</td><td>2.51</td><td>-- Average</td></tr><tr><td>5 39846.00</td><td>47.53</td><td>74.00</td><td>-26.47</td><td>46.30</td><td>45.47</td><td>28.89</td><td>63.59</td><td>-9.54</td><td>-- Peak</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1 10640.00	51.79	74.00	-22.21	35.70	37.00	15.40	39.28	2.17	-- Peak	2 10640.00	41.54	54.00	-12.46	25.45	37.00	15.40	39.28	2.17	-- Average	3 15960.00	55.37	74.00	-18.63	38.02	40.98	19.05	45.19	2.51	-- Peak	4 15960.00	45.14	54.00	-8.86	27.79	40.98	19.05	45.19	2.51	-- Average	5 39846.00	47.53	74.00	-26.47	46.30	45.47	28.89	63.59	-9.54	-- Peak
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Mode	1	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	4Tx	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	Level (dBuV/m) Date: 2026-01-08 Frequency (MHz) Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 HORIZONTAL	Level (dBuV/m) Date: 2026-01-08 Frequency (MHz) Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_250702 VERTICAL



Mode	2																																																																																																																																																																																												
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	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>86.26</td><td>27.42</td><td>40.00</td><td>-12.58</td><td>44.16</td><td>14.68</td><td>1.00</td><td>32.51</td><td>0.09 -- -- Peak</td></tr><tr><td>2</td><td>148.34</td><td>35.71</td><td>43.50</td><td>-7.79</td><td>49.29</td><td>17.31</td><td>1.40</td><td>32.45</td><td>0.16 -- -- Peak</td></tr><tr><td>3</td><td>238.79</td><td>28.74</td><td>46.00</td><td>-17.26</td><td>43.04</td><td>16.29</td><td>1.82</td><td>32.51</td><td>0.10 -- -- Peak</td></tr><tr><td>4</td><td>322.94</td><td>31.43</td><td>46.00</td><td>-14.57</td><td>41.97</td><td>19.53</td><td>2.26</td><td>32.55</td><td>0.22 -- -- Peak</td></tr><tr><td>5</td><td>722.58</td><td>35.80</td><td>46.00</td><td>-10.20</td><td>37.55</td><td>27.18</td><td>3.49</td><td>32.63</td><td>0.21 -- -- Peak</td></tr><tr><td>6</td><td>797.27</td><td>39.16</td><td>46.00</td><td>-6.84</td><td>39.55</td><td>28.09</td><td>3.68</td><td>32.38</td><td>0.22 -- -- Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	86.26	27.42	40.00	-12.58	44.16	14.68	1.00	32.51	0.09 -- -- Peak	2	148.34	35.71	43.50	-7.79	49.29	17.31	1.40	32.45	0.16 -- -- Peak	3	238.79	28.74	46.00	-17.26	43.04	16.29	1.82	32.51	0.10 -- -- Peak	4	322.94	31.43	46.00	-14.57	41.97	19.53	2.26	32.55	0.22 -- -- Peak	5	722.58	35.80	46.00	-10.20	37.55	27.18	3.49	32.63	0.21 -- -- Peak	6	797.27	39.16	46.00	-6.84	39.55	28.09	3.68	32.38	0.22 -- -- Peak	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>42.61</td><td>31.44</td><td>40.00</td><td>-8.56</td><td>44.84</td><td>18.41</td><td>0.64</td><td>32.54</td><td>0.09 -- -- Peak</td></tr><tr><td>2</td><td>148.34</td><td>37.43</td><td>43.50</td><td>-6.07</td><td>51.01</td><td>17.31</td><td>1.40</td><td>32.45</td><td>0.16 -- -- Peak</td></tr><tr><td>3</td><td>221.09</td><td>25.93</td><td>46.00</td><td>-20.07</td><td>41.24</td><td>15.32</td><td>1.77</td><td>32.51</td><td>0.11 -- -- Peak</td></tr><tr><td>4</td><td>514.03</td><td>31.32</td><td>46.00</td><td>-14.68</td><td>36.82</td><td>24.23</td><td>2.87</td><td>32.69</td><td>0.09 -- -- Peak</td></tr><tr><td>5</td><td>718.94</td><td>37.44</td><td>46.00</td><td>-8.56</td><td>39.67</td><td>26.75</td><td>3.47</td><td>32.66</td><td>0.21 -- -- Peak</td></tr><tr><td>6</td><td>800.18</td><td>39.06</td><td>46.00</td><td>-6.94</td><td>39.45</td><td>28.07</td><td>3.69</td><td>32.37</td><td>0.22 -- -- Peak</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	42.61	31.44	40.00	-8.56	44.84	18.41	0.64	32.54	0.09 -- -- Peak	2	148.34	37.43	43.50	-6.07	51.01	17.31	1.40	32.45	0.16 -- -- Peak	3	221.09	25.93	46.00	-20.07	41.24	15.32	1.77	32.51	0.11 -- -- Peak	4	514.03	31.32	46.00	-14.68	36.82	24.23	2.87	32.69	0.09 -- -- Peak	5	718.94	37.44	46.00	-8.56	39.67	26.75	3.47	32.66	0.21 -- -- Peak	6	800.18	39.06	46.00	-6.94	39.45	28.07	3.69	32.37
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Appendix C. Duty Cycle Plots

Antenna	Band	Duty Cycle (%)	T(us)	1/T(kHz)	VBW Setting
4TX	5GHz 802.11a	94.20	2080	0.48	510Hz

