FCC PART 15.407

TEST REPORT

For

Beijing InHand Networks Technology Co., Ltd.

Room 501, floor 5, building 3, yard 18, ziyue road chaoyang district, Beijing,China

FCC ID: 2AANYEAP600

Report Type: Original Report	**Product Name:** Enterprise Access Point

Report Number:	RKSA240119004-00C
Report Date:	2024-07-05
Reviewed By:	Bard Liu
Approved By:	Kyle Xu
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA240119004-00C	R1V1	2024-07-05	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Beijing InHand Networks Technology Co., Ltd.	
Product Name:	Enterprise Access Point	
Tested Model	EAP600	
Power Supply:	DC 12V by adapter or 802.3af POE	
Maximum Output Power:	5G Wi-Fi B1:	5G Wi-Fi B4:
	Conducted Power:	Conducted Power:
	802.11a: 8.93 dBm	14.55 dBm
	802.11ac20: 11.38 dBm	17.15 dBm
	802.11ax-HEW20: 12.11 dBm	17.64 dBm
	802.11ac40: 9.54 dBm	17.01 dBm
	802.11ax-HEW40: .11.21 dBm	17.36 dBm
	802.11ac80: 11.65 dBm	17.35 dBm
	802.11 ax-HEW80: 11.30 dBm	16.80 dBm
RF Function	5G Wi-Fi	
Operating Band/Frequency:	Band 1:5150~5250 MHz, Band 4: 5725~5850 MHz	
Channel Number:	Band 1: 7, Band 4: 8	
Channel Separation:	802.11a/n20/ac20/ax20: 20MHz; 802.11n40/ac40/ax40:40 MHz, 802.11ac80/ax80: 80 MHz	
Modulation Type	OFDM, OFDMA	
Antenna Type:	Stampled metal antenna	
★Maximum Antenna Gain:	Band 1: Chain 0: 4.8 dBi; Chain 1: 5.5 dBi Band 4: Chain 0: 4.7 dBi; Chain 1: 5.2 dBi	

Adapter Information:
Model: KT241120200USL
Input: AC100-240V 50/60Hz 0.8A
Output:12.0V, 2.0A, 24.0W

Note: The maximum antenna gain was declared by the manufacturer.

All measurement and test data in this report was gathered from production sample serial number: RKSA240119004-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-01-19.)

Objective

This type approval report is prepared for *Beijing InHand Networks Technology Co., Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions' rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

All emissions measurement was performed and Bay Area Compliance Laboratories Corp. (Kunshan).

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0℃
Humidity		6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN5055.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

The system support 802.11a/n20/n40/ac20/ac40/ac80/ax20/ax40/ax80, the 802.11n20/n40 were reduced since the identical parameters with 802.11ac20/ac40.

For **5150~5250 MHz** band, test channel list is as below,

802.11a/ac/ax20 mode Channel 36, 40, 48 were tested.
802.11ac/ax40mode Channel 38, 46 were tested.
802.11ac/ax80 mode Channel 42 was tested.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
38	5190	46	5230
40	5200	48	5240
42	5210	/	/

For **5725~5850 MHz** band,

802.11a/ac/ax20 mode Channel 149, 157, 165 were tested.
802.11ac/ax40 mode Channel 151, 159 were tested.
802.11ac/ax80 mode Channel 155 was tested.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	159	5795
151	5755	161	5805
153	5765	165	5825
155	5775	/	/
157	5785	/	/

Note: 802.11a only support SISO mode， 802.11n&802.11ax support MIMO &SISO mode，two antennas have the same power setting level
For Conducted Test:
802.11a&802.11n&802.11ax: each transmit chains were tested
For Radiated Test:
802.11a, SISO for each transmit chain
For 802.11n&802.11ax: MIMO for two transmit chains
The device 802.11ax mode only supports full RU, not partial RU, test with full RU.

EUT Exercise Software

RF test tool: QRCT

The worst case was performed under:

5150MHz-5250MHz Band:

Mode	Data rate	Frequency (MHz)	★Power Level
802.11a	6 Mbps	5180	Default
		5200	Default
		5240	Default
802.11ac20	MCS0	5180	Default
		5200	Default
		5240	Default
802.11ax-HEW20	MCS0	5180	Default
		5200	Default
		5240	Default
802.11ac40	MCS0	5190	Default
		5230	Default
802.11ax-HEW40	MCS0	5190	Default
		5230	Default
802.11ac80	MCS0	5210	Default
802.11ax-HEW80	MCS0	5210	Default

Note: The power level was declared by the applicant.

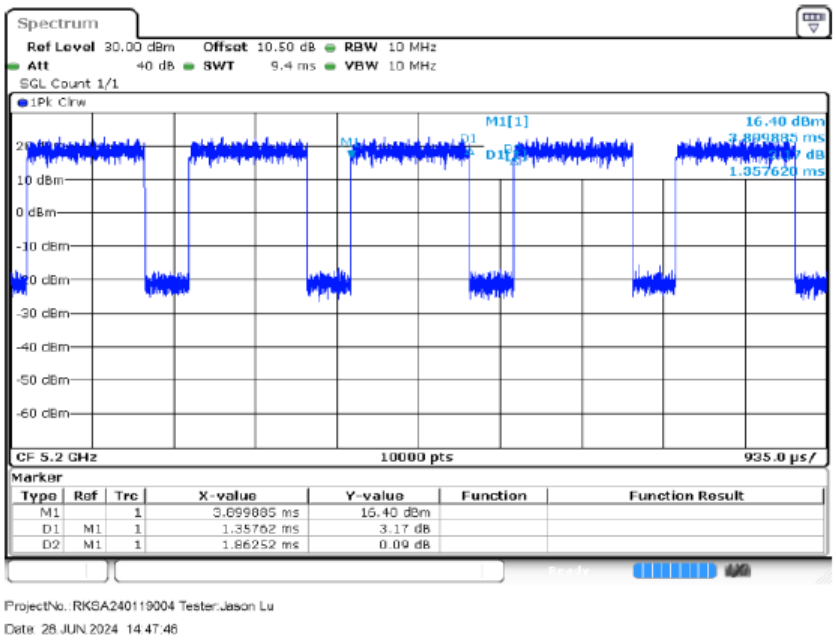
5725MHz-5850MHz Band:

Mode	Data rate	Channel	★Power Level
802.11a	6 Mbps	5745	Default
		5785	Default
		5825	Default
802.11ac20	MCS0	5745	Default
		5785	Default
		5825	Default
802.11ax-HEW20	MCS0	5745	Default
		5785	Default
		5825	Default
802.11ac40	MCS0	5755	Default
		5795	Default
802.11ax-HEW40	MCS0	5755	Default
		5795	Default
802.11ac80	MCS0	5775	Default
802.11ax-HEW80	MCS0	5775	Default

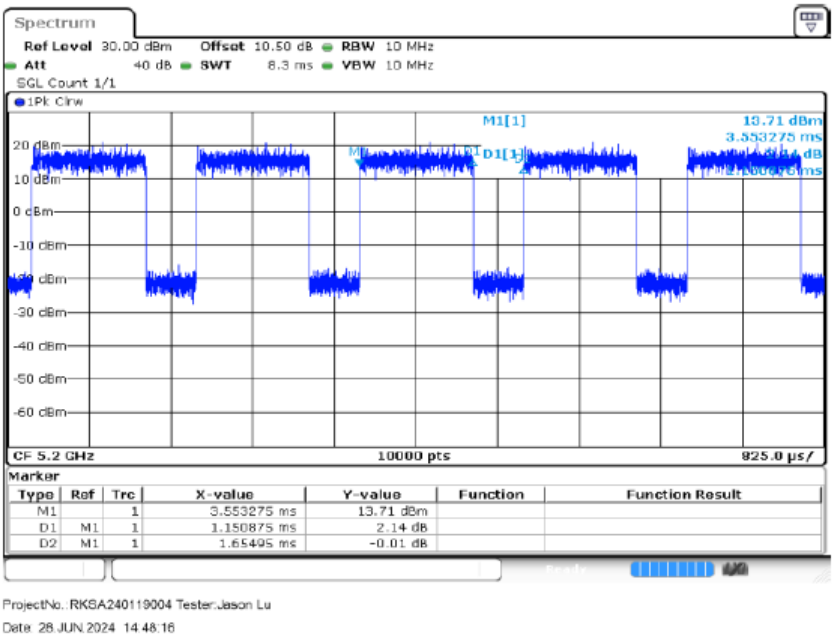
Note: The power level was declared by the applicant.

Duty Cycle
Chain 0:
5150MHz-5250MHz Band:

802.11a mode



802.11ac20 mode



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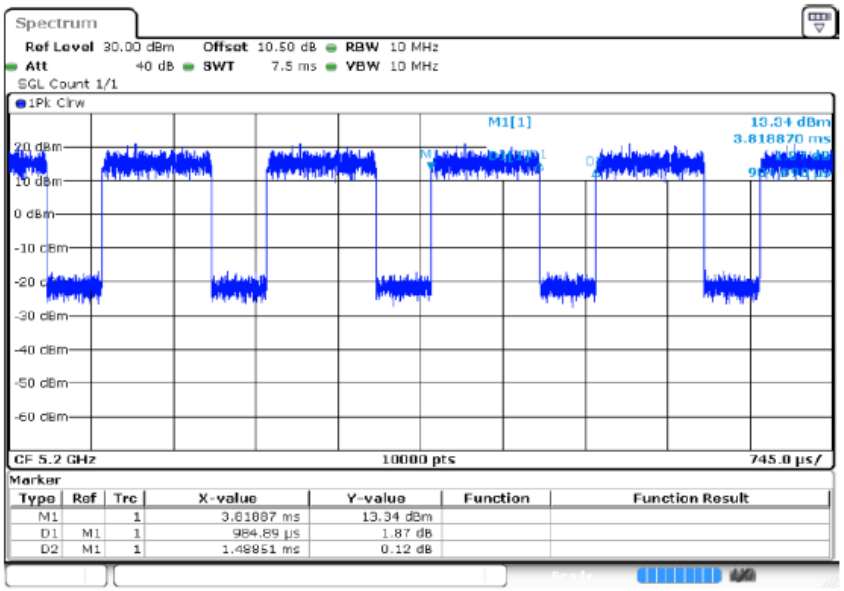

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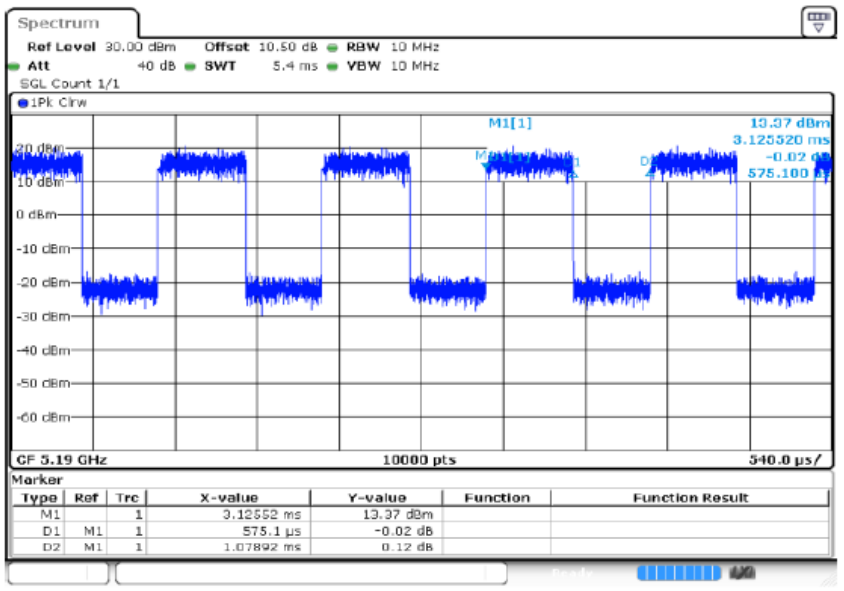
802.11 ac40 mode



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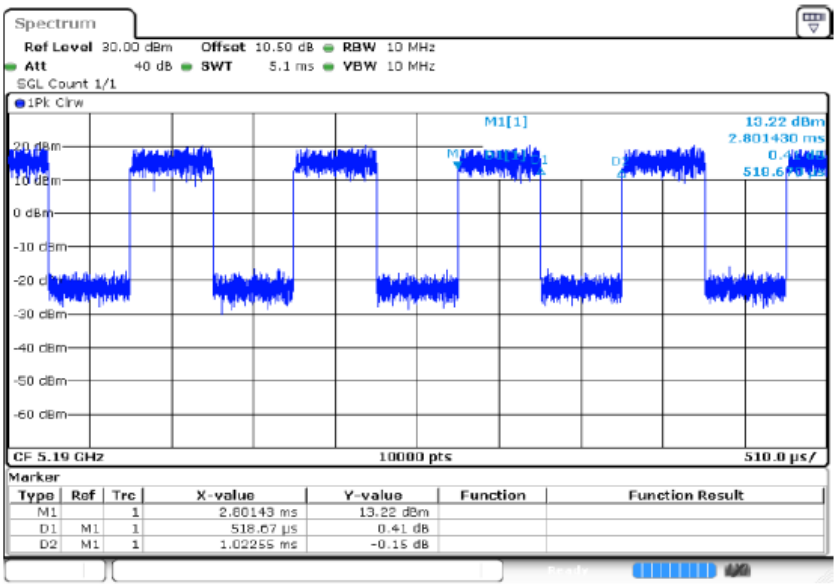
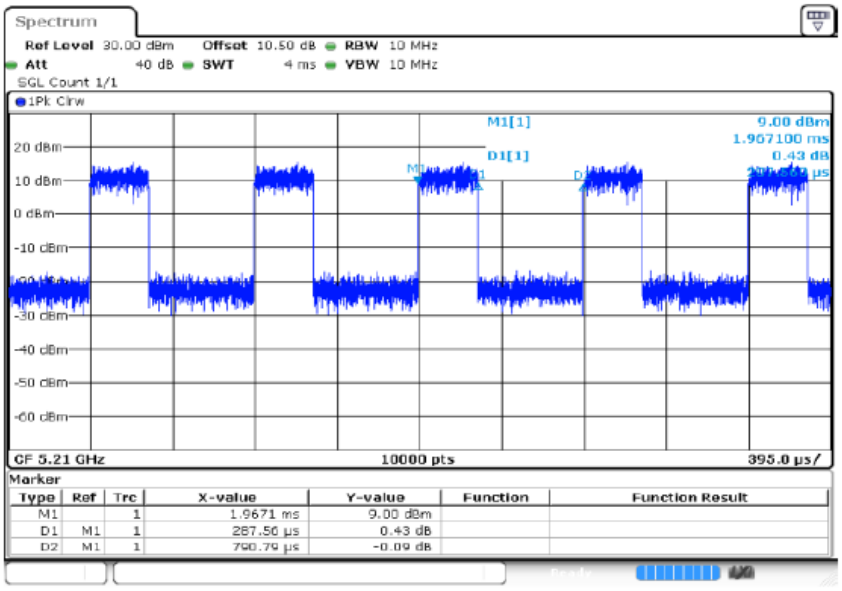
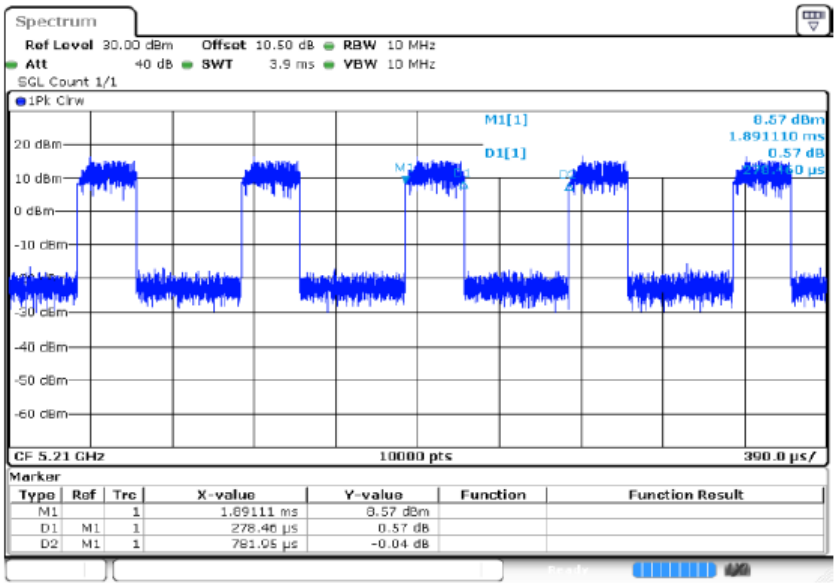


802.11 ac80 mode

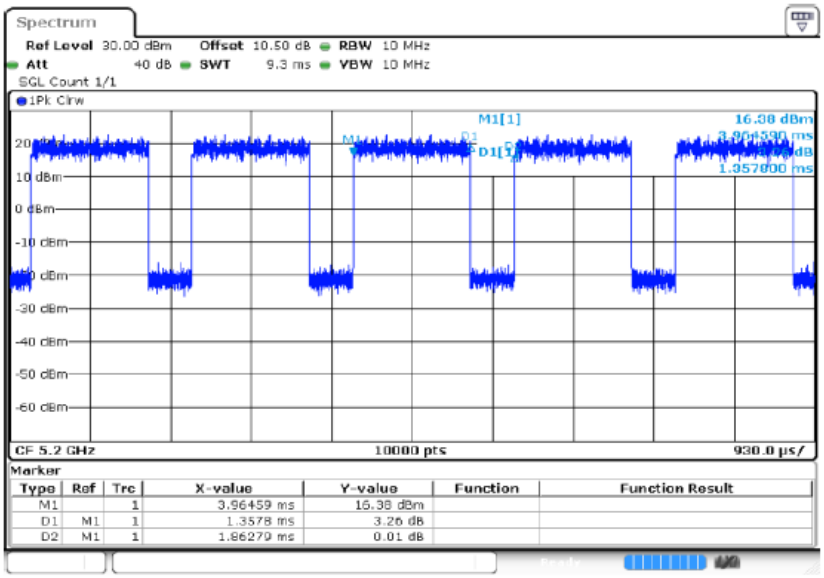


802.11ax80 mode

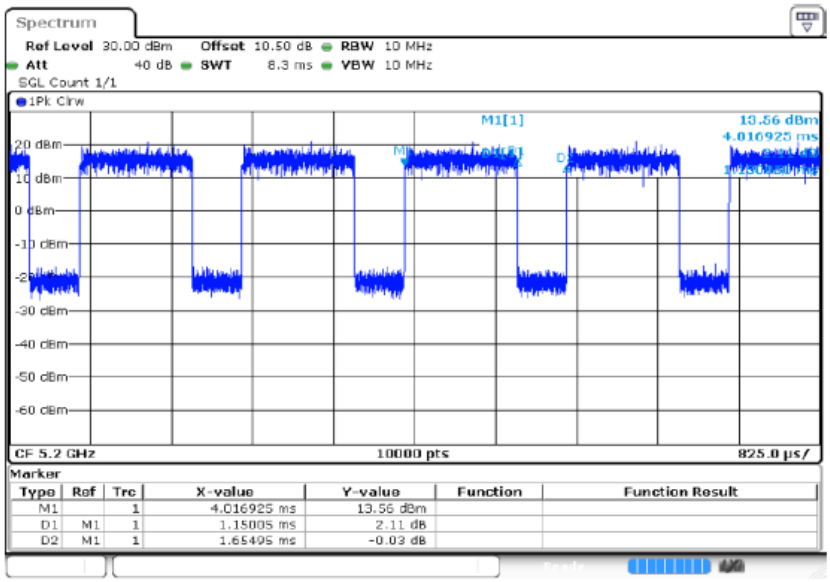


Chain 1:

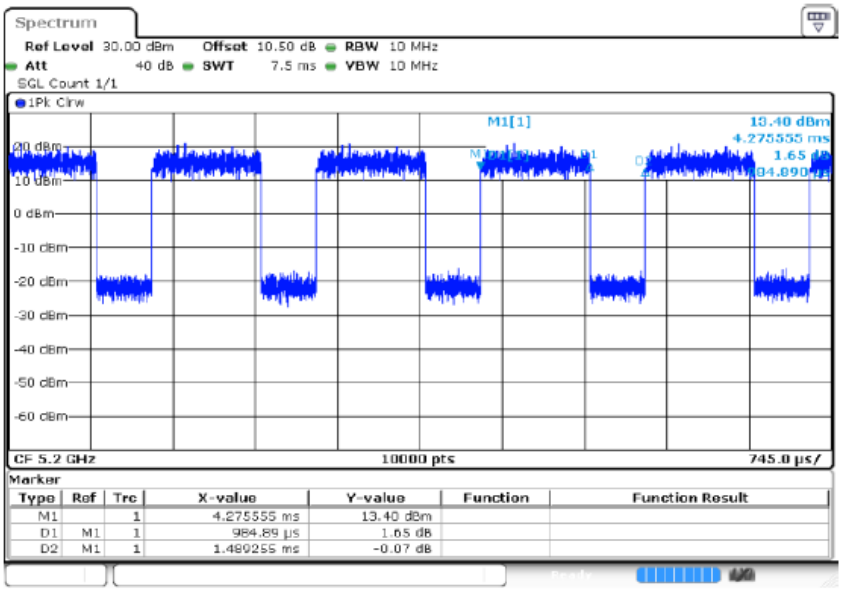
802.11a mode



802.11ac20 mode



802.11ax20 mode



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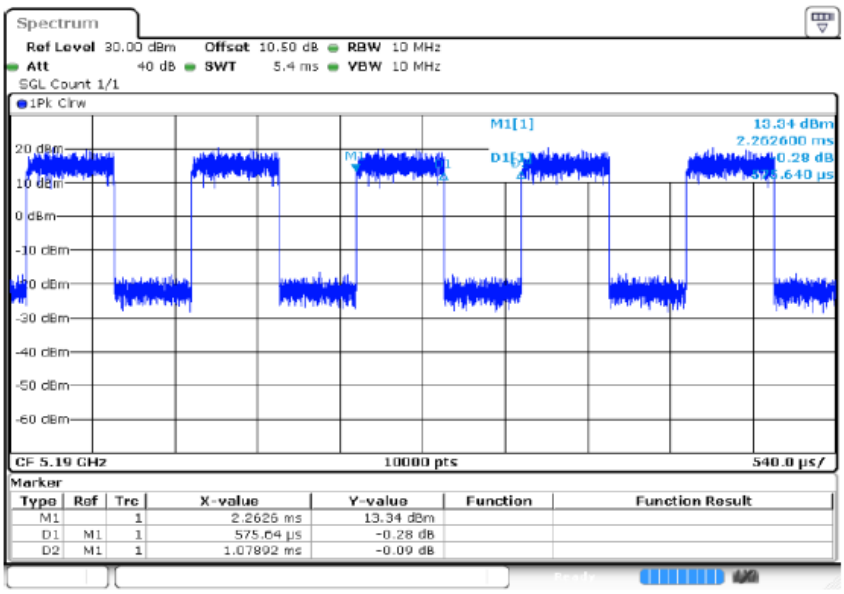
802.11 ac40 mode



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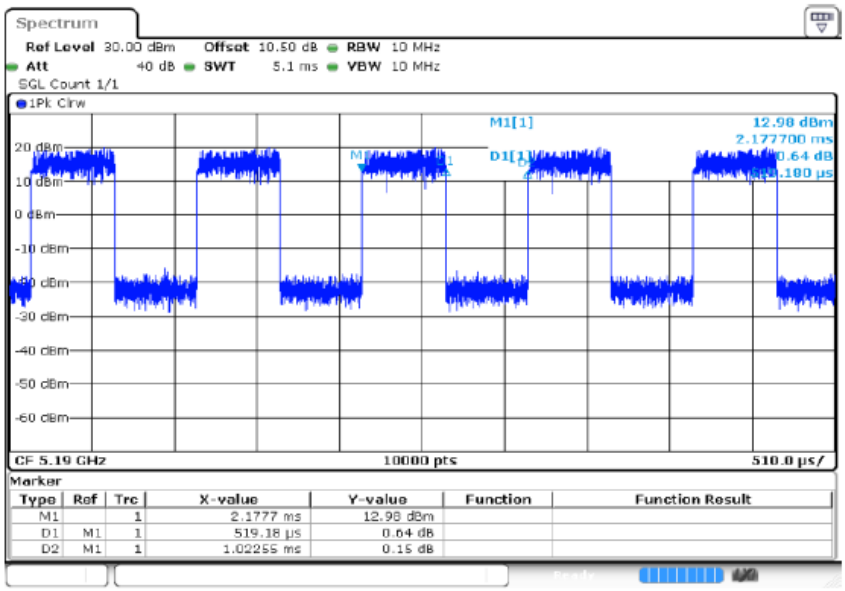
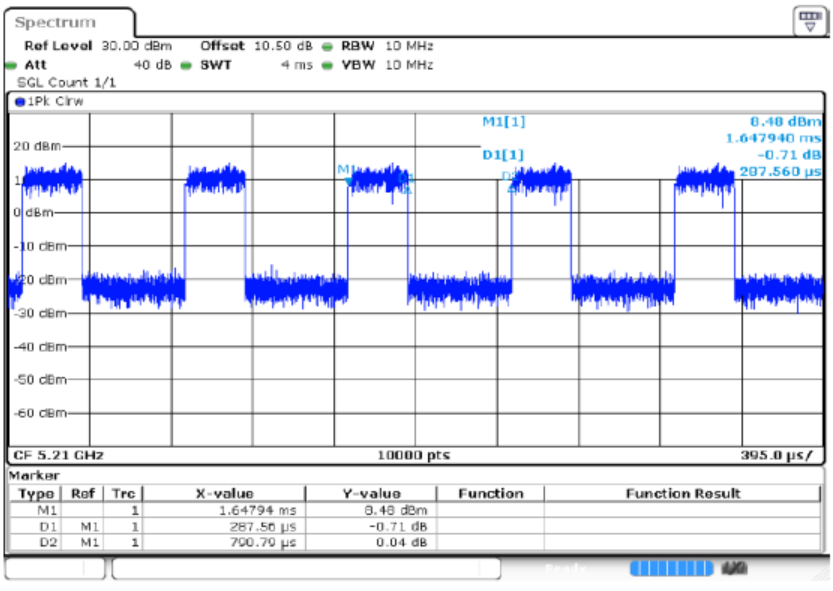
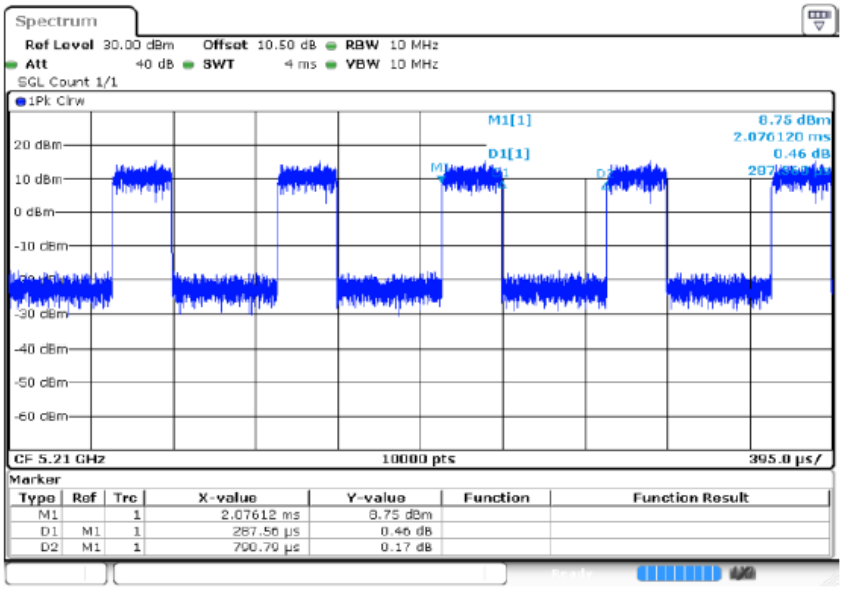
802.11ax40 mode



802.11 ac80 mode

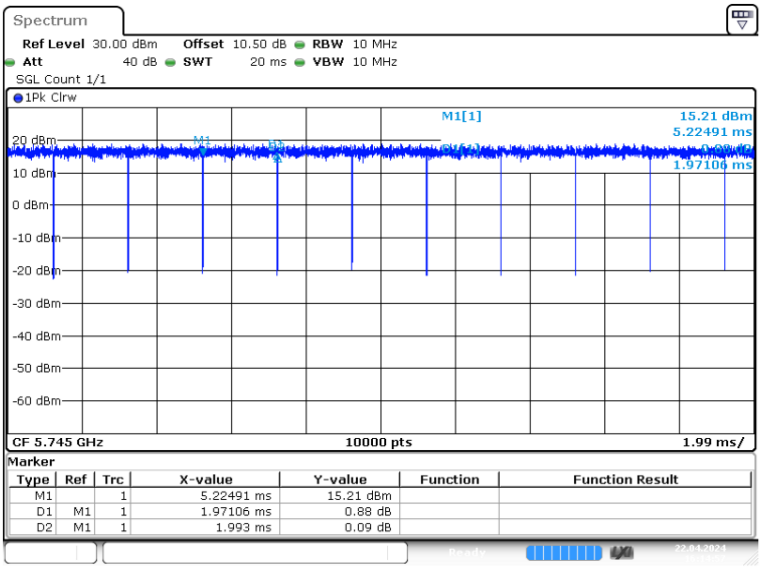


802.11ax80 mode



5725MHz-5850MHz Band:
Chain 0:

802.11a mode



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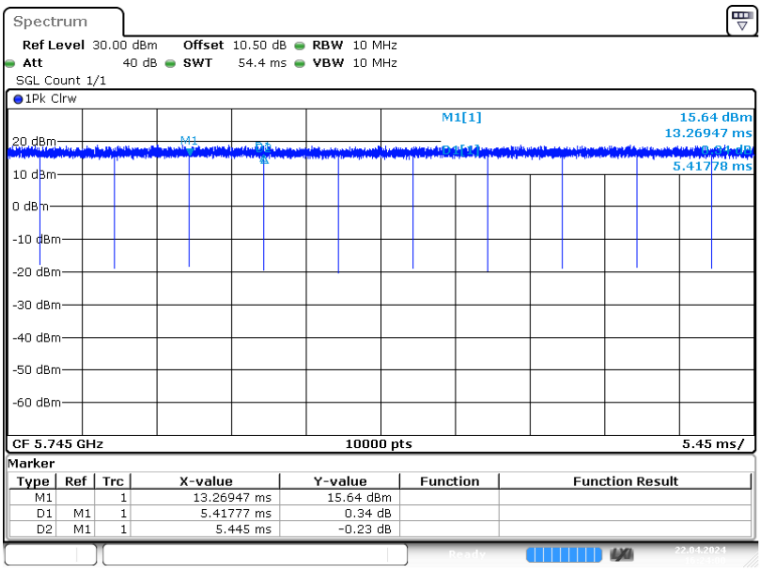
802.11 ac20 mode



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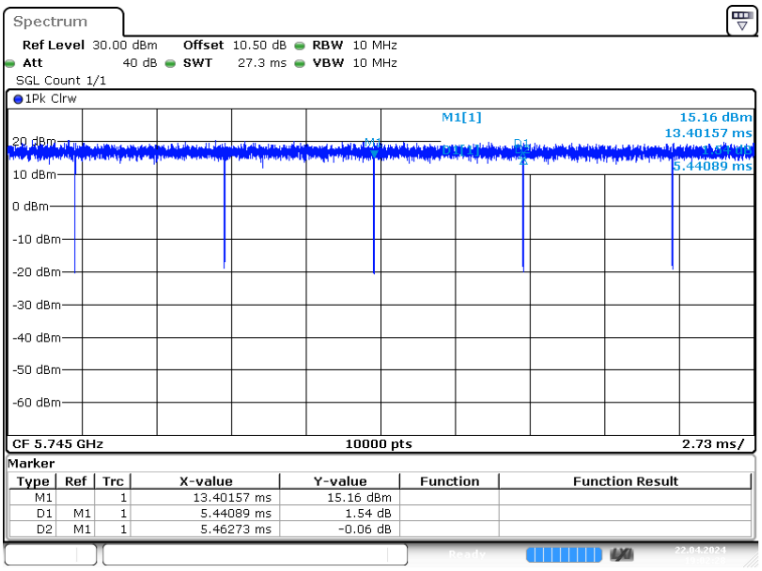
802.11 ax20 mode



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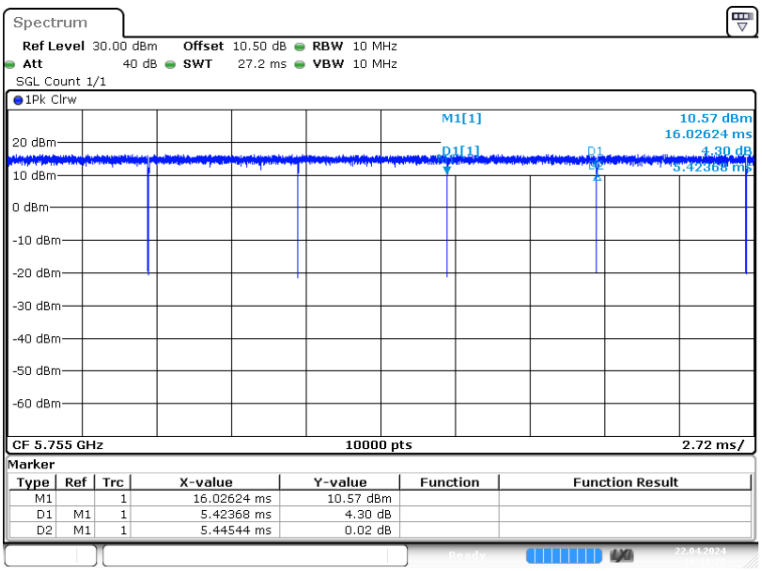
802.11 ac40 mode



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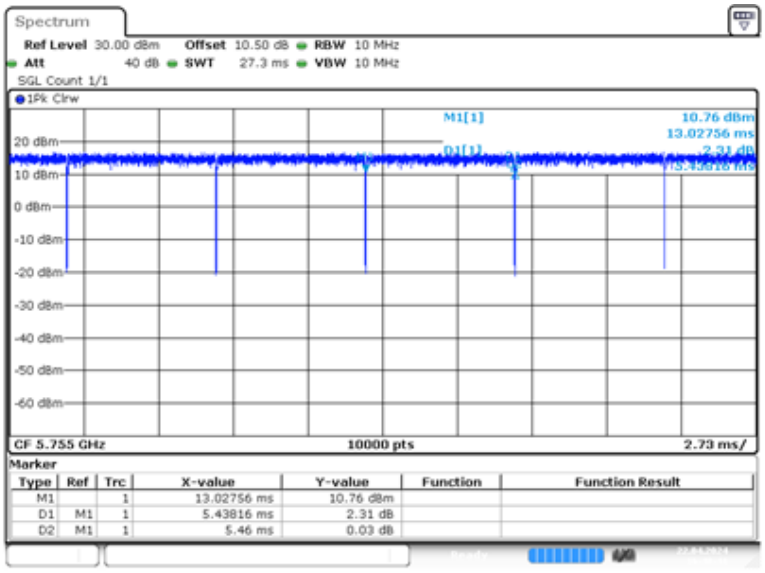
802.11 ax40 mode



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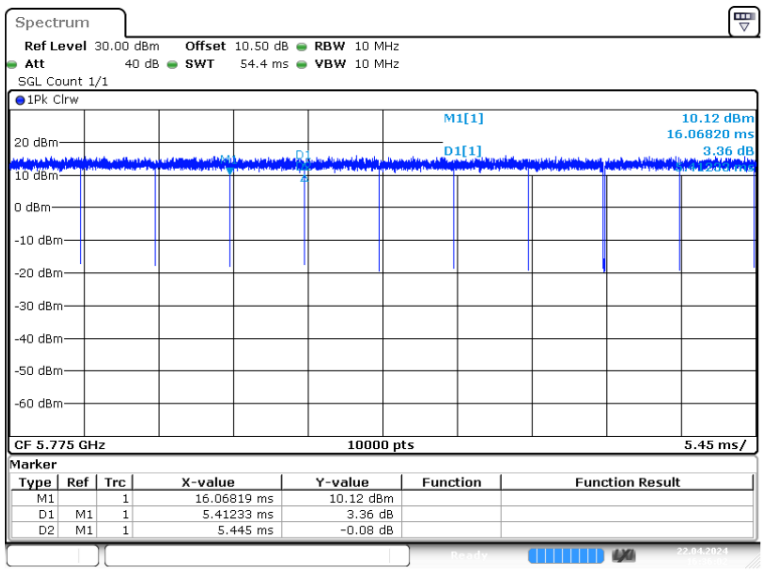
802.11 ac80 mode



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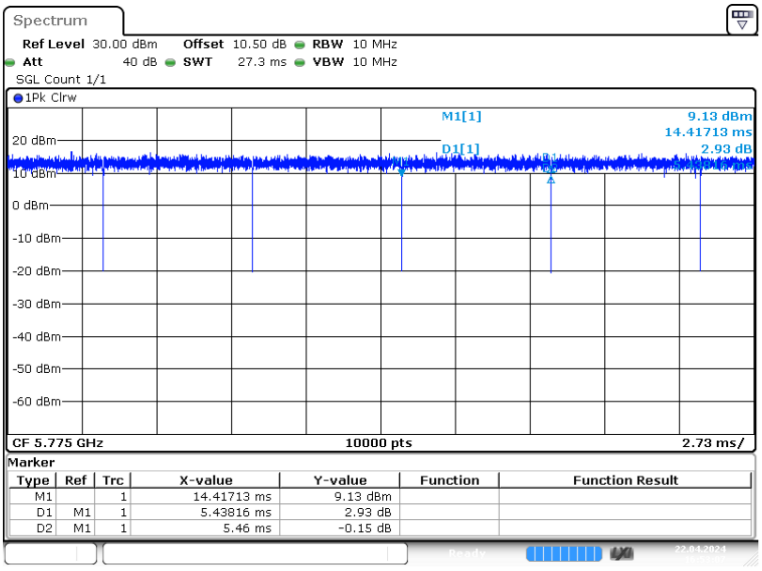
802.11 ax80 mode



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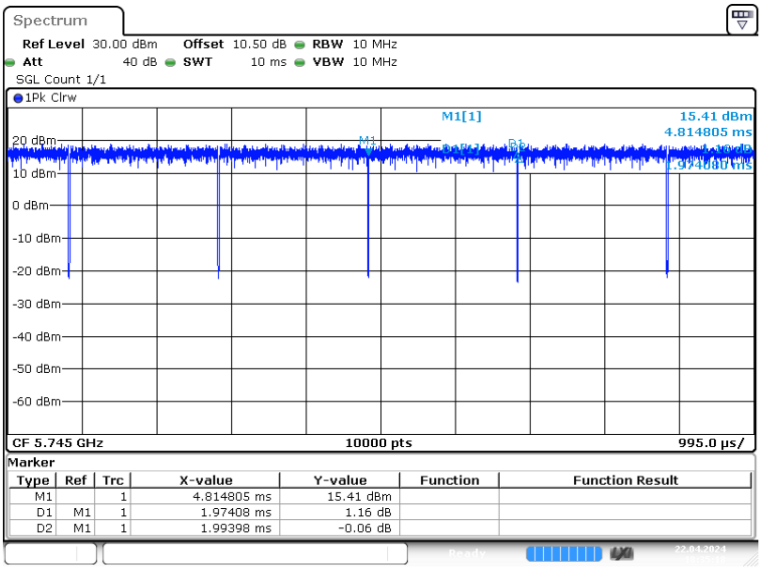
Chain 1:

802.11a mode



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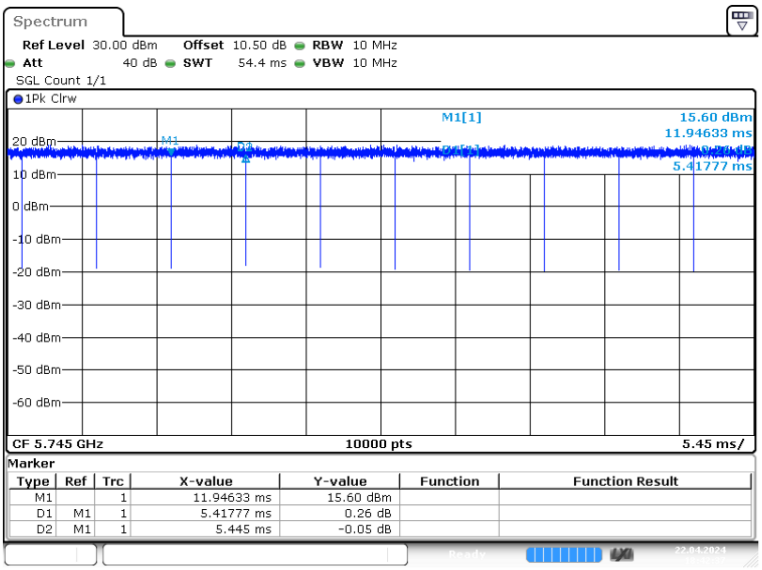
802.11 ac20 mode



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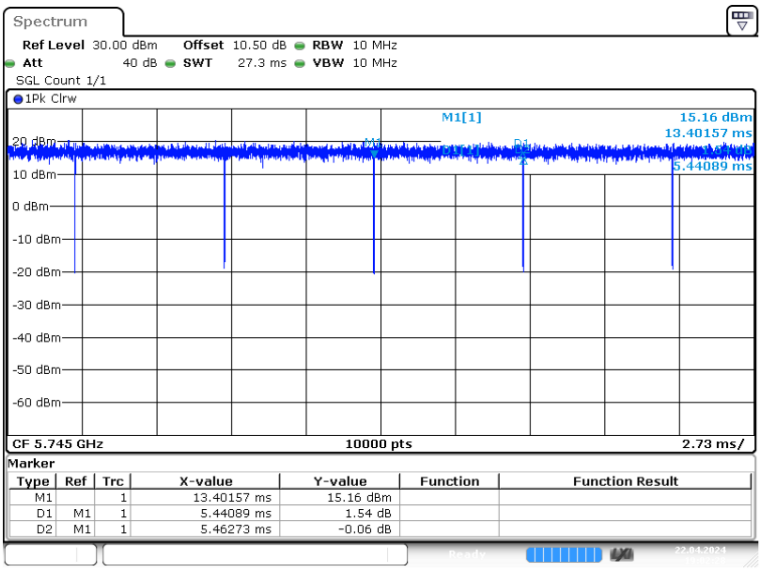
802.11 ax20 mode



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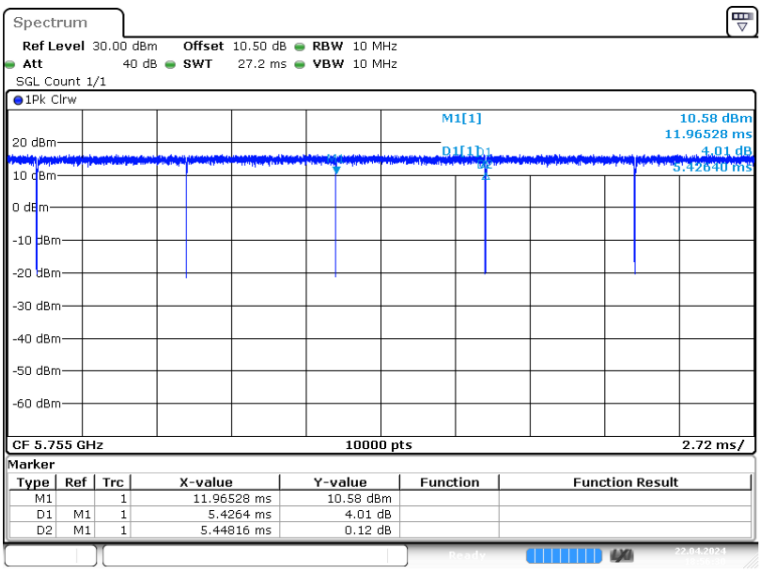
802.11 ac40 mode



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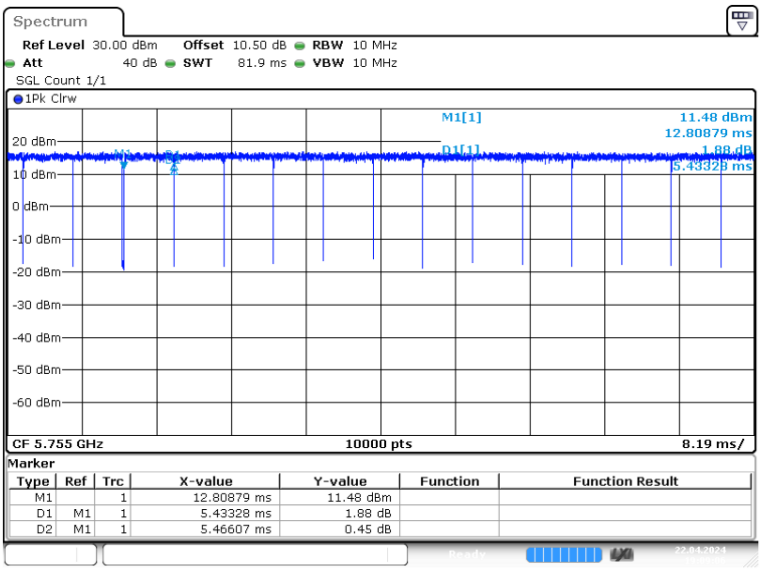
802.11 ax40 mode



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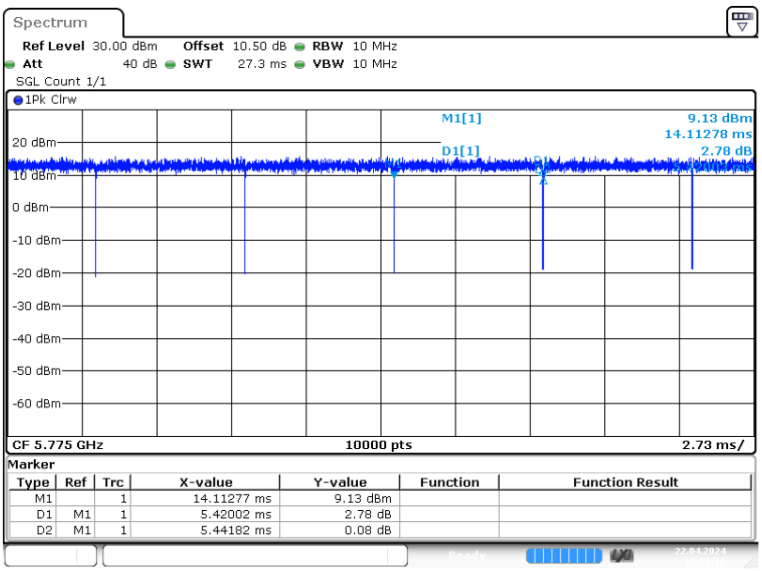
802.11 ac80 mode



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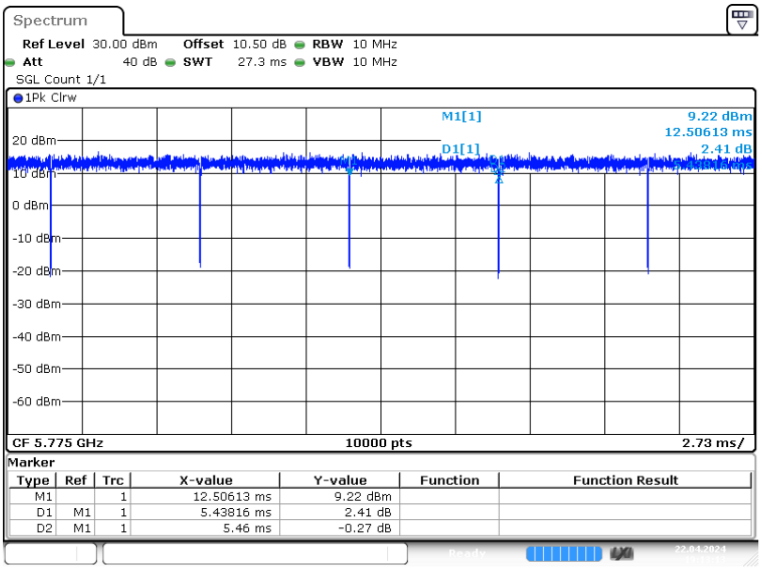
802.11 ax80 mode



ProjectNo.:RKSA240119004 Tester:Bard Liu

Date: 22.APR.2024 19:13:14

5150MHz-5250MHz Band:

Chain	Test Mode	Channel (MHz)	Transmission Duration (ms)	Transmission Period	Duty Cycle Factor (dB)	Duty Cycle (%)
Chain 0	802.11a	5200	1.358	1.863	1.37	72.89
	802.11 ac20	5200	1.151	1.655	1.58	69.55
	802.11 ax20	5200	0.985	1.489	1.79	66.15
	802.11 ac40	5190	0.575	1.079	2.73	53.29
	802.11 ax 40	5190	0.519	1.023	2.95	50.73
	802.11 ac80	5210	0.288	0.791	4.39	36.41
	802.11 ax80	5210	0.278	0.782	4.49	35.55
Chain 1	802.11a	5200	1.358	1.863	1.37	72.89
	802.11 ac20	5200	1.655	1.655	1.58	69.49
	802.11 ax20	5200	0.985	1.489	1.79	66.15
	802.11 ac40	5190	0.576	1.079	2.73	53.38
	802.11 ax 40	5190	0.519	1.023	2.95	50.73
	802.11 ac80	5210	0.288	0.791	4.39	36.41
	802.11 ax80	5210	0.288	0.791	4.39	36.41

5745MHz-5825MHz Band:

Chain	Test Mode	Channel (MHz)	Transmission Duration (ms)	Transmission Period	Duty Cycle (%)
Chain 0	802.11a	5745	1.971	1.993	98.90
	802.11 ac20	5745	5.418	5.445	99.50
	802.11 ax20	5745	5.438	5.460	99.54
	802.11 ac40	5755	5.424	5.445	99.50
	802.11 ax 40	5755	5.438	5.460	99.60
	802.11 ac80	5775	5.412	5.445	99.39
	802.11 ax80	5775	5.438	5.460	99.60
Chain 1	802.11a	5745	1.974	1.994	99.00
	802.11 ac20	5745	5.418	5.445	99.50
	802.11 ax20	5745	5.441	5.463	99.60
	802.11 ac40	5755	5.426	5.448	99.60
	802.11 ax 40	5755	5.433	5.466	99.40
	802.11 ac80	5775	5.420	5.442	99.60
	802.11 ax80	5775	5.438	5.460	99.60

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Beijing InHand Networks Technology Co., Ltd.	Router	ER805	RN8052126000252
/	PoE	NPE-5818	740-64157-001
Lenovo	Notebook	ThinkPad	83ECAF1B-E1AF-4053-95DE-2E51B8D188D7
Beijing InHand Networks Technology Co., Ltd.	Adapter-2	/	/

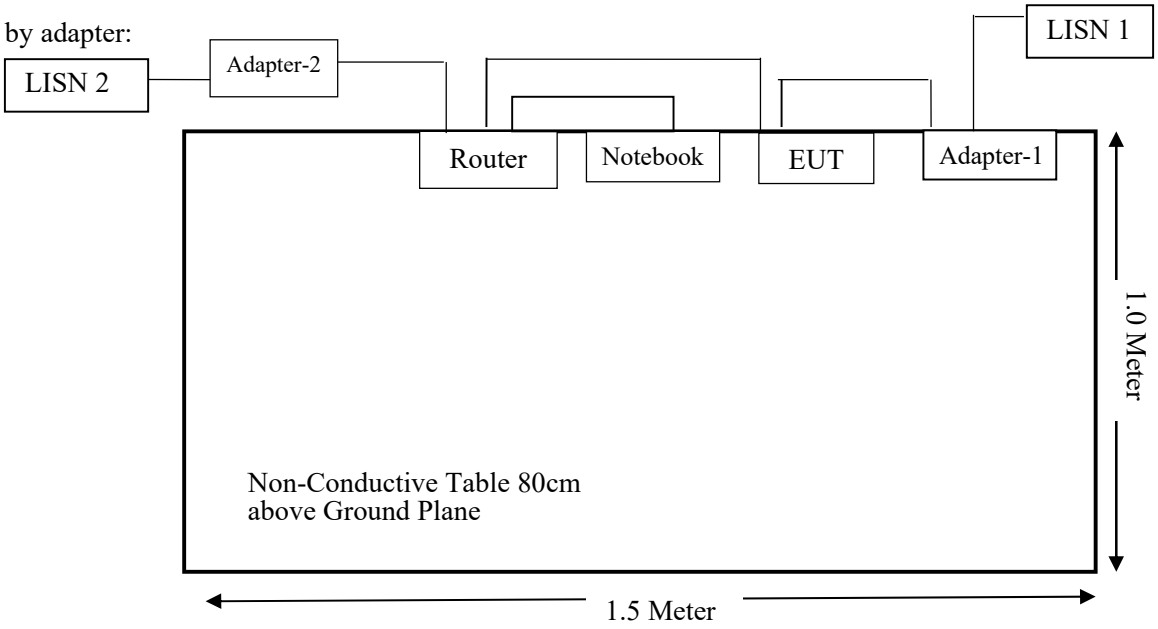
External I/O Cable

Cable Description	Length (m)	From Port	To
Power Cable 1	2.0	Router	Adapter-2
RJ45 cable 1	1.0	Router	Notebook
RJ45 cable 2	2.0	Router	PoE
RJ45 cable 3	2.0	Router	EUT
Power Cable 2	2.0	EUT	Adapter-1
Power Cable 3	1.0	Adapter-1	LISN/AC Source
Power Cable 4	1.0	Adapter-2	LISN/AC Source
RJ45 cable 4	2.0	EUT	PoE
Power Cable 5	1.0	PoE	LISN/AC Source

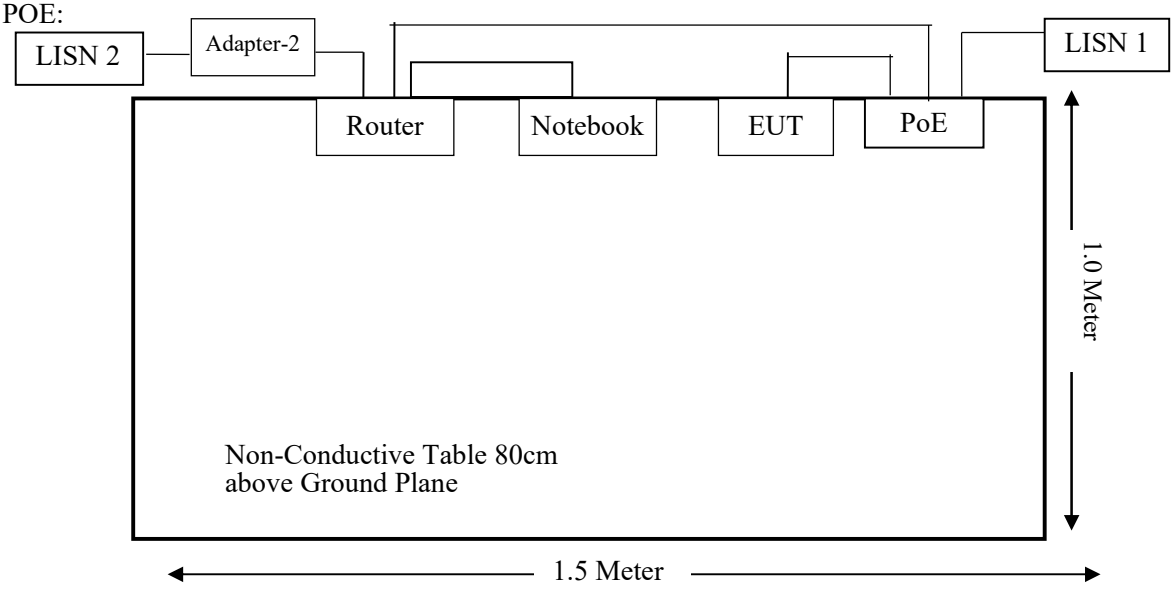
Block Diagram of Test Setup

For Conducted Emissions:

Powered by adapter:

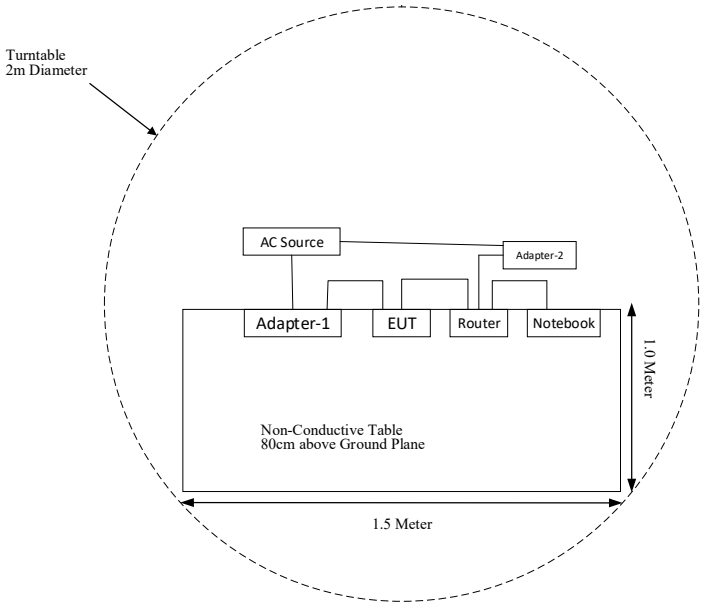


Powered by POE:

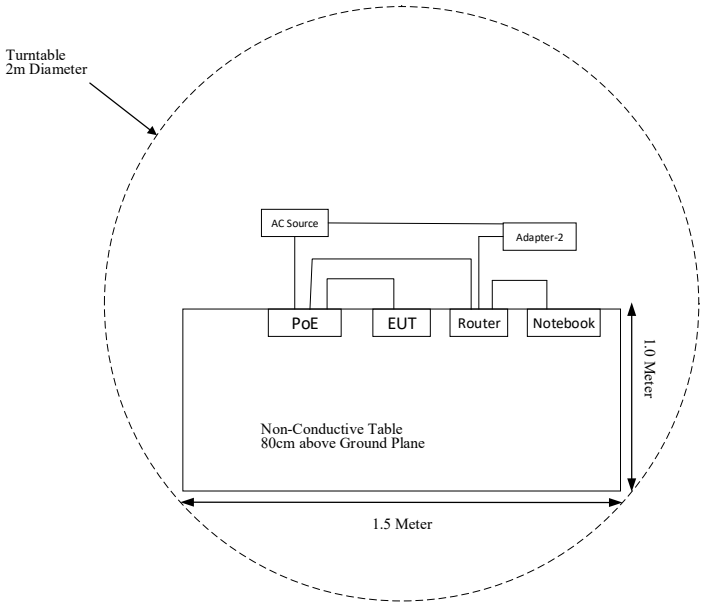


For Radiated Emissions (Below 1GHz):

Powered by adapter:

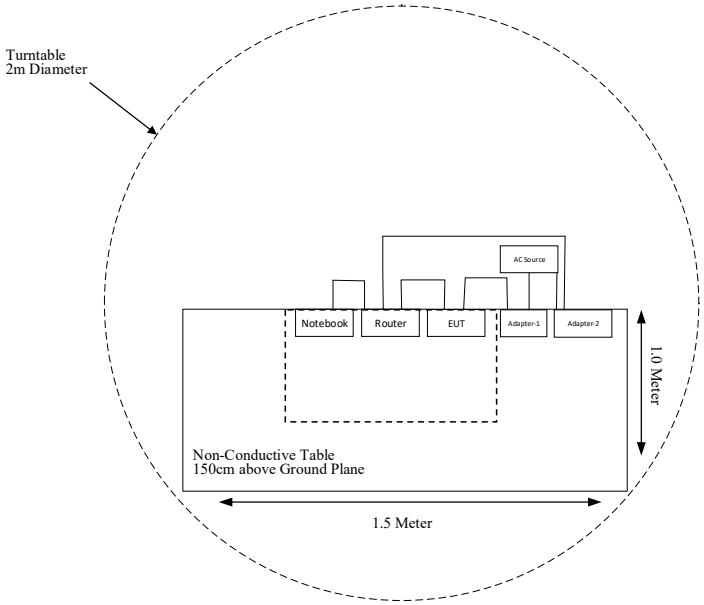


Powered by POE:



For Radiated Emissions (Above 1GHz):

Powered by adapter:



UMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207 & §15.407(b) (9)	AC Power Line Conducted Emissions	Compliant
§ 15.205 & §15.209 & §15.407(b) (1), (4), (8), (9), (10)	Undesirable Emission & Band Edge emissions	Compliant
§§15.407(a) &§15.407(e)	Emission Bandwidth	Compliant
§15.407(a) (1) (3)	Conducted Transmitter Output Power	Compliant
§15.407(a) (1) (3)	Power Spectral Density	Compliant
§1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2023-05-23	2024-05-22
Sunol Sciences	Hybrid Antenna	JB3	A090314-1	2023-11-11	2024-11-10
Sonoma Instrument	Amplifier	310N	171205	2023-05-23	2024-05-22
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
Narda	6 dB Attenuator	773-6	10690812-2-1	2023-11-11	2024-11-10
ETS-LINDGREN	Loop Antenna	6512	108100	2023-11-09	2024-11-08
MICRO-COAX	Coaxial Cable	Cable-8	008	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-9	009	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-10	010	2023-05-23	2024-05-22
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2023-05-19	2024-05-18
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2023-12-02	2024-12-01
ETS-LINDGREN	Horn Antenna	3116	2516	2023-12-08	2024-12-07
A.H.Systems, inc	Amplifier	PAM-0118P	512	2023-05-23	2024-05-22
A.H.Systems, inc	Amplifier	PAM-0118P	512	2024-04-25	2025-04-24
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
SELECTOR	Amplifier	EM18G40G	060726	2023-05-23	2024-05-22
SELECTOR	Amplifier	EM18G40G	060726	2024-04-25	2025-04-24
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2023-08-05	2024-08-04
Narda	Attenuator	10dB	010	2023-08-15	2024-08-14
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-6	006	2024-05-23	2025-05-22
MICRO-COAX	Coaxial Cable	Cable-11	011	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-11	011	2024-05-23	2025-05-22
MICRO-COAX	Coaxial Cable	Cable-12	012	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-12	012	2024-05-23	2025-05-22
MICRO-COAX	Coaxial Cable	Cable-13	013	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-13	013	2024-05-23	2025-05-22

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2023-05-23	2024-05-22
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2024-04-24	2025-04-23
Anritsu	Power Sensor	MA24418A	12621	2023-09-27	2024-09-26
Narda	Attenuator	10dB	010	2023-05-23	2024-05-22
Narda	Attenuator	10dB	010	2024-04-23	2025-04-22
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2023-05-23	2024-05-22
Rohde & Schwarz	LISN	ENV216	101115	2023-05-23	2024-05-22
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse Limiter	ESH3-Z2	0357.8810.54	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-15	015	2023-05-23	2024-05-22

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

a. Antenna must be permanently attached to the unit.
b. Antenna must use a unique type of connector to attach to the EUT.
c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.407, if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has two Stampled metal antennas, which the antenna gain is 4.8dBi and 5.5dBi and 4.7dBi and 5.2dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Antenna Type	Frequency Range	Chain	Max. Antenna Gain	Input impedance
Stampled metal Antenna	5150~5250 MHz	Chain 0	4.8dBi	50Ω
		Chain 1	5.5dBi	
	5725~5850 MHz	Chain 0	4.7dBi	
		Chain 1	5.2dBi	

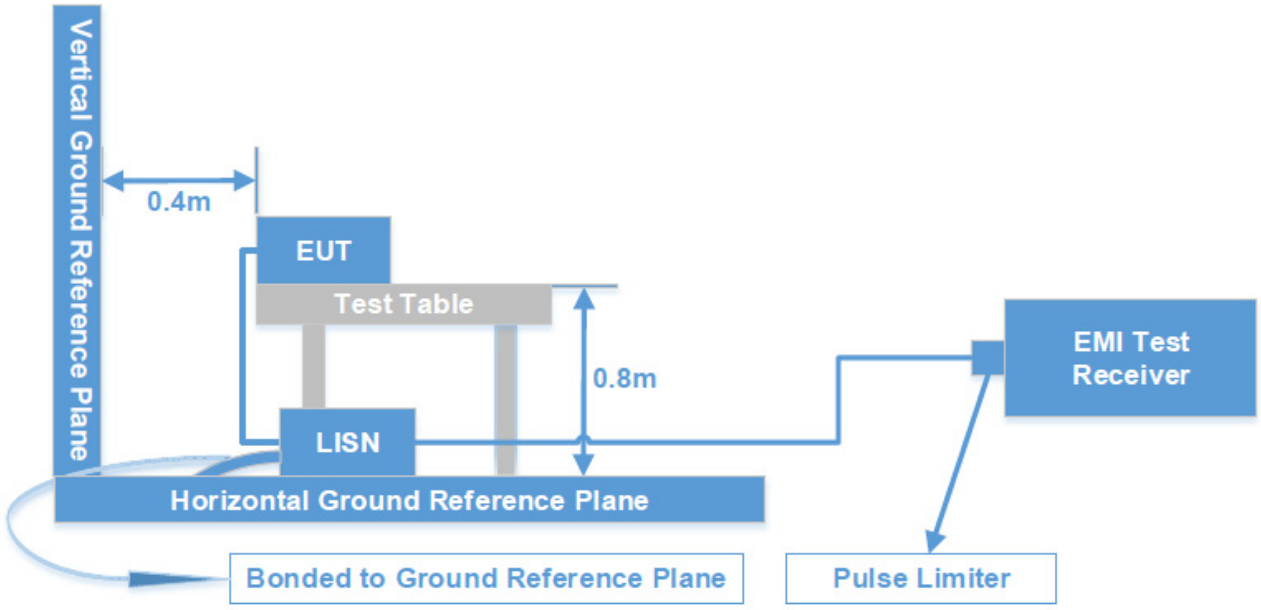
Result: Compliant.

FCC §15.407 (b) (9) §15.207 (a) – AC POWER LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a), §15.407(b) (9)

Test System Setup



The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	VBW
150 kHz - 30 MHz	9 kHz	30 kHz

Test Procedure

During the conducted emission test, the PoE Injector was connected to the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
Level (dBµV) = Read level (dBµV) + Factor (dB)

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

Over Limit (dB) = Level (dBµV) - Limit (dBµV)

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data: See Appendix

§15.205 & §15.209 & §15.407(B) (1), (4), (8), (9), (10) – UNDESIRABLE EMISSION & BAND EDGE EMISSIONS

Applicable Standard

FCC §15.407 (b) (1), (4), (8), (9); §15.209; §15.205;

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

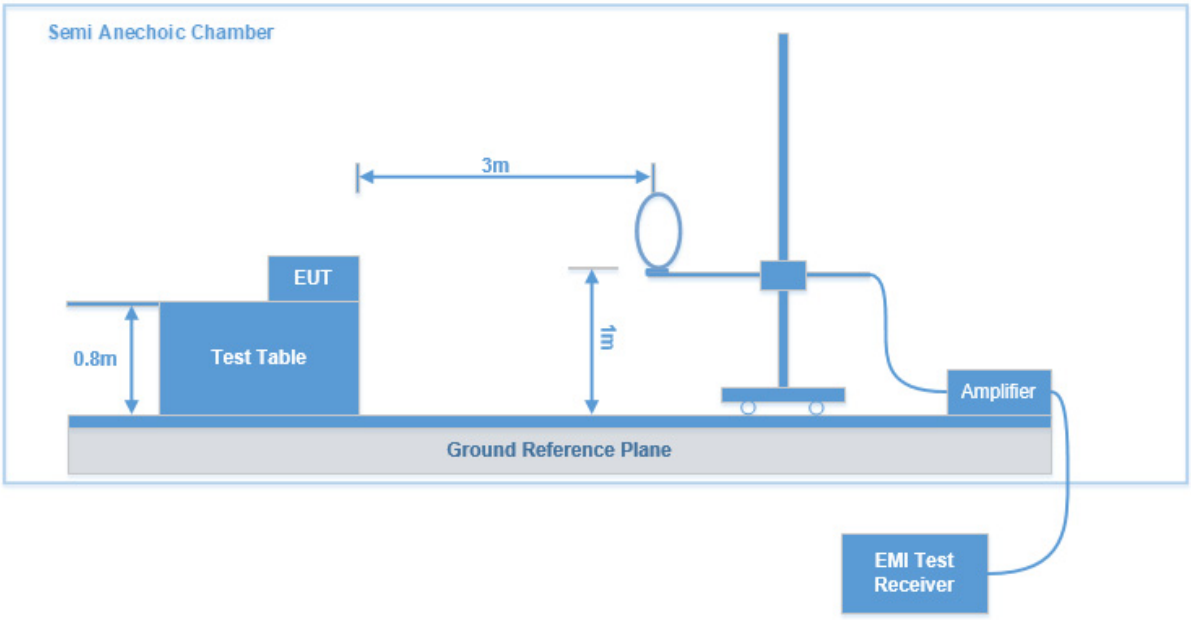
For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to 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.

As per FCC §15.35(d):Unless otherwise specified, on any frenquency or frequencies above 1000MHz,the radiated emission limits are based on the use of measurement instrunmentation employing an average detector function. Unless otherwise specified, measurements above 1000MHz shall be performed using a minimum resolution bandwidth of 1MHz.

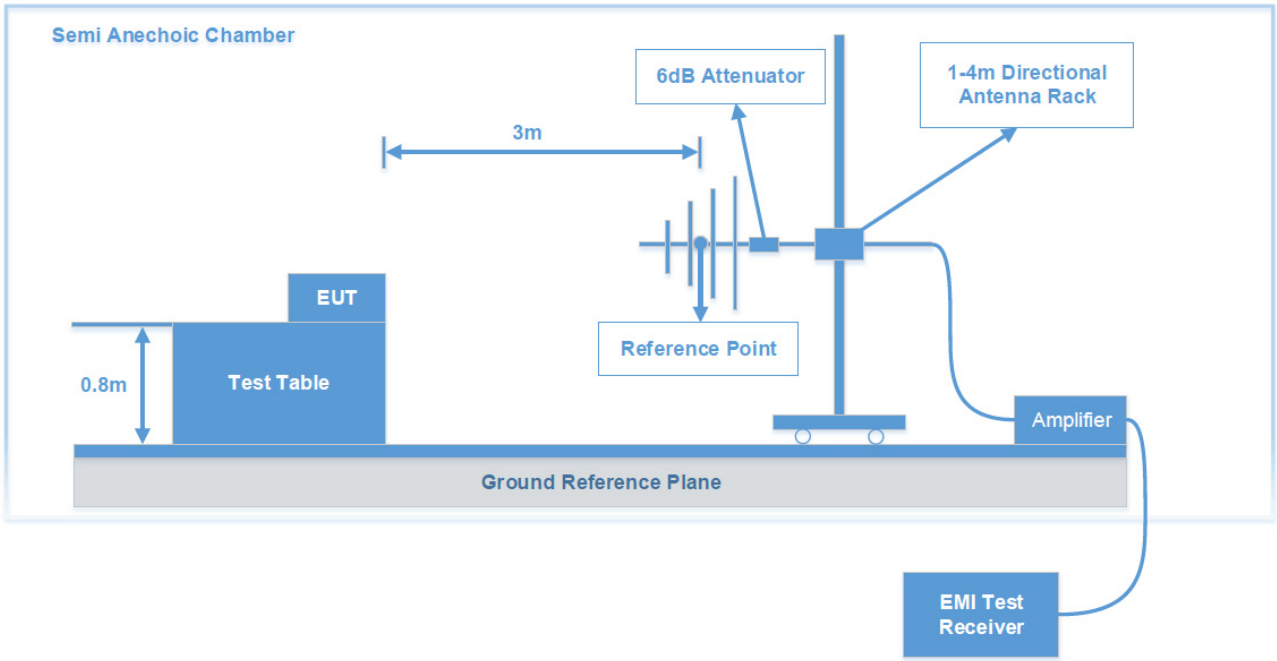
According to 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: E [dBμV/m] = EIRP [dBm] + 95.2, for d = 3 meters.

Test System Setup

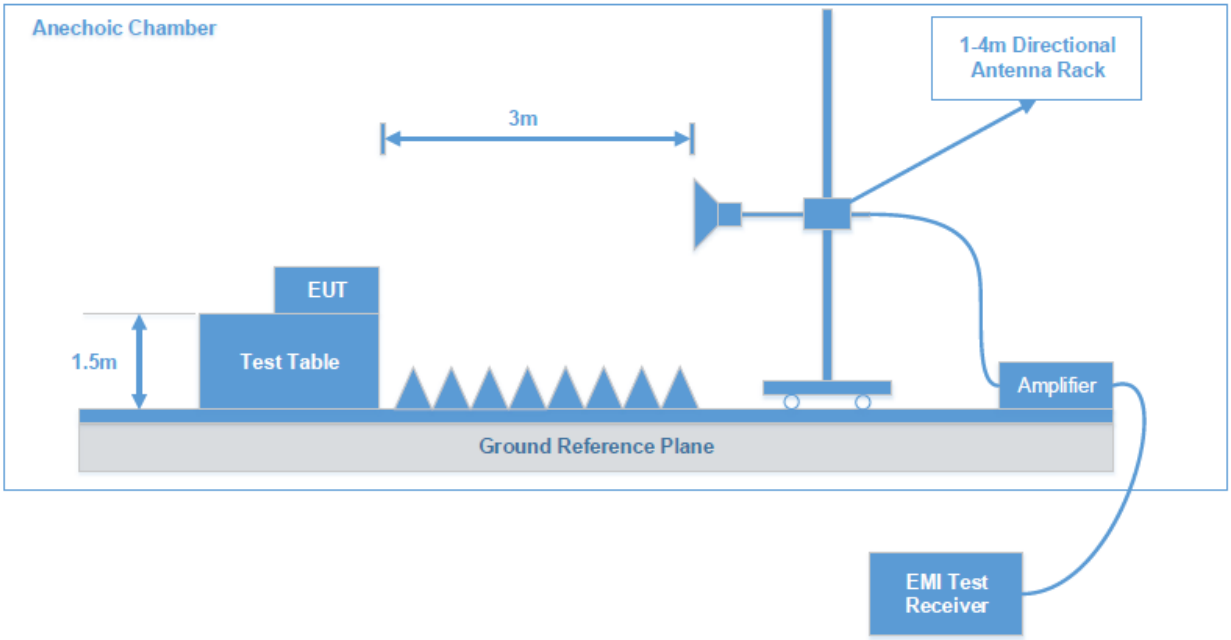
9 kHz-30MHz:



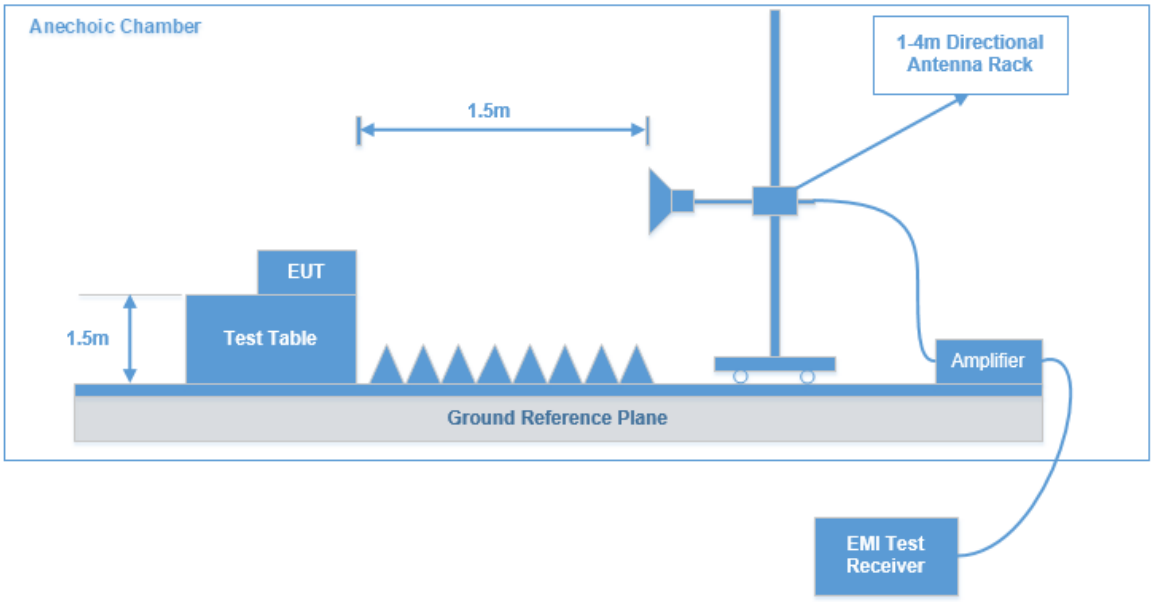
30MHz-1GHz:



1 GHz-18GHz:



18-40GHz:



The radiated emission tests were performed in the 3 meters test site for below 18GHz and 1.5m for 18-40 GHz, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.407 limits. The limit at 1.5m for 18-40 GHz is 80dBμV/m（Peak）and 60dBμV/m（Average）

The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 and FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

During the radiated emission test, the EMI test receiver Setup was set with the following configurations:

Frequency Range	RBW	VBW	IF B/W	Detector
9 kHz – 150 kHz	200 Hz	1 kHz	200 Hz	QP/Average
150 kHz – 30 MHz	9 kHz	30 kHz	9 kHz	QP/ Average
30 MHz – 1000 MHz	100 kHz	300 kHz	/	Peak
	/	/	120 kHz	QP
Above 1GHz	1MHz	3 MHz	/	Peak
	1MHz	3 MHz	/	Average

Test Procedure

During the radiated emission test, the adapter was connected to AC floor outlet.Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

For 9 kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Corrected factor（dB/m）
Corrected factor（dB/m）= Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Test Data: See Appendix

FCC §15.407(a) &§15.407(e)–EMISSION BANDWIDTH

Applicable Standard

.
The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz band is made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

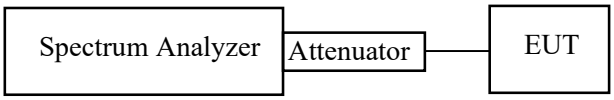
1. Emission Bandwidth (EBW)
a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

2. **Minimum Emission Bandwidth for the band 5.725-5.85 GHz**
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:
a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 × RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3. Occupied bandwidth
The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:
a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode

shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).



Test Data: See Appendix

FCC §15.407(a) (1) (3) – CONDUCTED TRANSMITTER OUTPUT POWER

Applicable Standard

According to §15.407(a)(1)

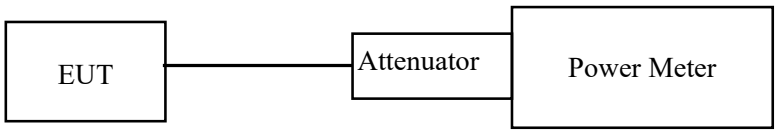
(ii) For an indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz 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.

According to §15.407(a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
3. Add a correction factor to the display.



Test Data: See Appendix

FCC §15.407(a) (1) (3) - POWER SPECTRAL DENSITY

Applicable Standard

According to §15.407(a) (1)

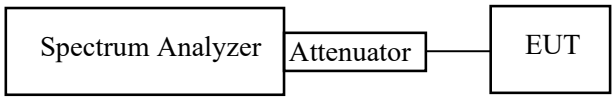
(ii) For an indoor access point operating in the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz 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.

According to §15.407(a) (3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

The measurements are base on FCC KDB 789033 D02 General UNII Test Procedyres New Rules v02r01: Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices section F: Maximum power spectral density (PPSD) and method SA-2



Test Data: See Appendix

FCC §1.1310 & §2.1091- MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 1.1310, 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (minutes)**
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f^2)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density

Calculated Formulary:

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm^2);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}}$$

Calculated Data

Mode	Frequency Range (MHz)	Antenna Gain		Tune-up Output Power★		Evaluation Distance (cm)	Power Density (mW/cm^2)	MPE Limit (mW/cm^2)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G WIFI	2412~2462	2.10	1.62	25.50	354.81	20	0.1145	1.0
5G WIFI	5150~5250	5.50	3.55	12.50	17.78	20	0.0126	1.0
	5725-5850	5.20	3.31	18.00	63.10	20	0.0416	1.0

Note:
1. For the above target output power were all declared by the manufacturer.
2. 2.4G Wi-Fi and 5G Wi-Fi cannot transmit simultaneously.

Result: The device meet FCC MPE at 20 cm distance.

Appendix - TEST DATA

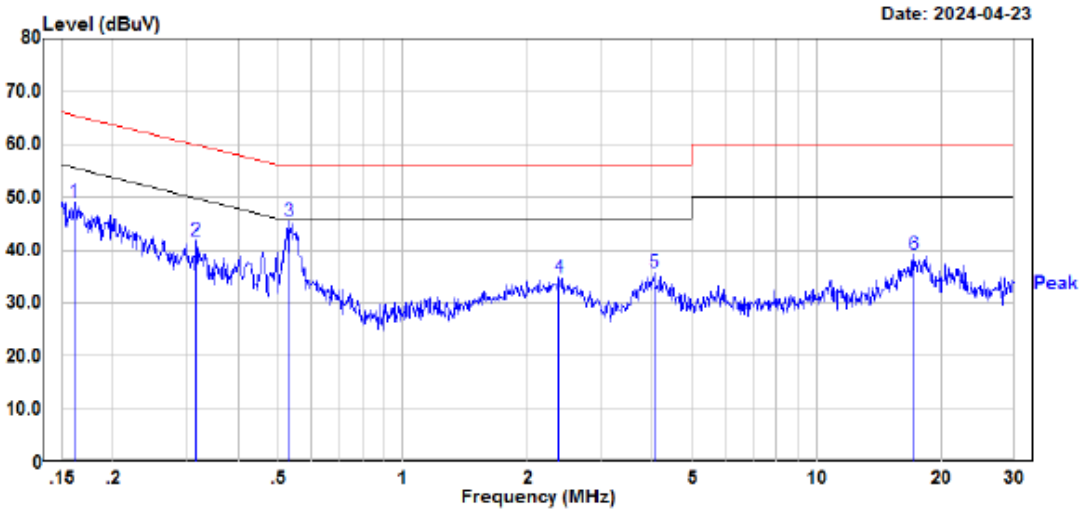
Environmental Conditions & Test Information

Test Item:	DUTY CYCLE		AC POWER-LINE CONDUCTED EMISSIONS LIMITS	UNWANTED EMISSIONS & RESTRICTED FREQUENCY BANDS	
				9kHz - 1GHz	1 GHz - 40 GHz
Test Date:	2024-04-25	2024-06-28	2024-04-23 to 2024-05-08	2024-02-19 to 2024-04-24	2024-03-06 to 2024-06-28
Temperature:	24.3 ℃	25.5 ℃	20.8-22.7 ℃	16.0-20.6 ℃	20.3-22.6 ℃
Relative Humidity:	47 %	48 %	69-54 %	55-62 %	52-54 %
ATM Pressure:	101.6kPa	102.2kPa	101.8-101.0 kPa	101.5-101.3 kPa	102.0-100.2kPa
Test Result:	Pass	Pass	Pass	Pass	Pass
Test Engineer:	Bard Liu	Bard Liu	Frank Liu	Joe Zhang & Leah Li	Bard Liu

Test Item:	EMISSION BANDWIDTH	CONDUCTED TRANSMITTER OUTPUT POWER	POWER SPECTRAL DENSITY
Test Date:	2024-04-22 to 2024-06-27	2024-04-22	2024-04-22 to 2024-07-01
Temperature:	21.7-23.5 ℃	21.7 ℃	21.7-24.5 ℃
Relative Humidity:	43-46 %	43 %	43-53 %
ATM Pressure:	101.6-100.5kPa	101.6kPa	101.6-101.5kPa
Test Result:	Pass	Pass	Pass
Test Engineer:	Bard Liu	Bard Liu	Bard Liu & Jason Liu

AC POWER LINE CONDUCTED EMISSIONS

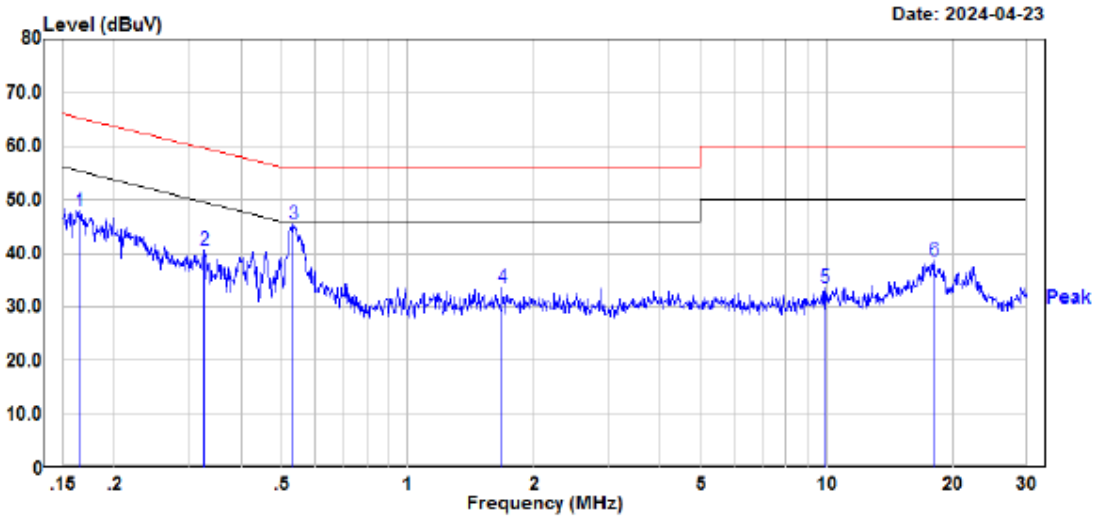
Powered by adapter:
Transmitting in maximum output power mode and channel of 802.11ax-HEW20 mode middle channel of 5725~5850MHz
Line




```
Site                : CE
Condition           : FCC Part 15.207
                    : DET:Peak
Project No.         : RKSA240119004
Model               : EAP600
Phase               : L
Voltage             : 120V/60Hz
Mode                : 5G WIFI
Test Equipment      : ENV216,ESR
Temperature         : 20.8℃
Humidity            : 69%
Atmospheric pressure: 101.0kPa
Test Engineer       : Frank Liu
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.161	29.09	19.90	48.99	65.42	-16.43	Peak
2	0.317	21.79	20.02	41.81	59.79	-17.98	Peak
3	0.529	25.41	20.10	45.51	56.00	-10.49	Peak
4	2.385	14.54	20.22	34.76	56.00	-21.24	Peak
5	4.045	15.54	20.28	35.82	56.00	-20.18	Peak
6	17.081	19.24	19.82	39.06	60.00	-20.94	Peak

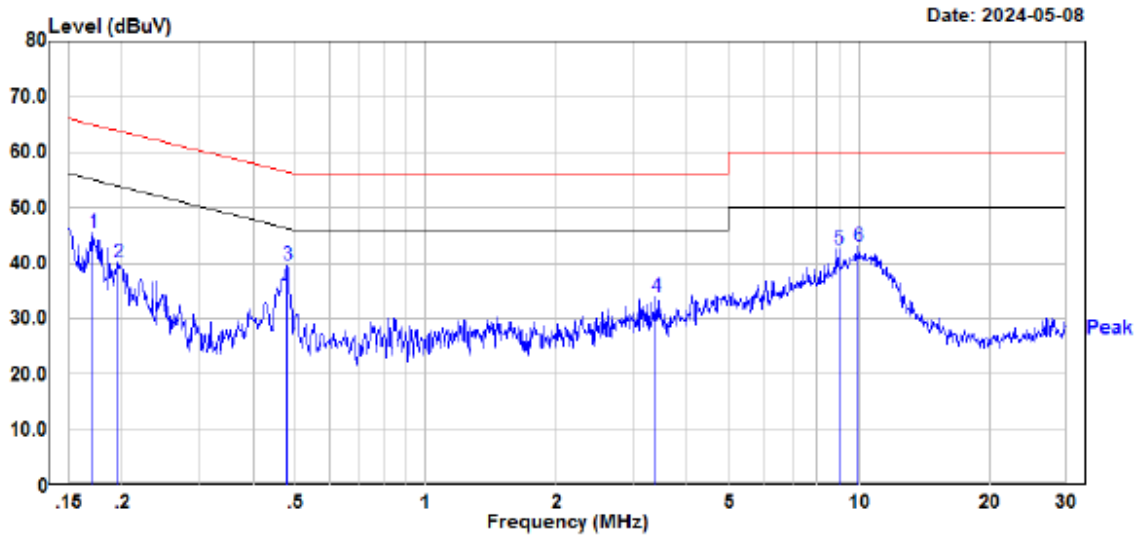
Neutral




```
Site                : CE
Condition           : FCC Part 15.207
                    : DET:Peak
Project No.         : RKSA240119004
Model               : EAP600
Phase               : N
Voltage             : 120V/60Hz
Mode                : 5G WIFI
Test Equipment      : ENV216,ESR
Temperature         : 20.8℃
Humidity            : 69%
Atmospheric pressure: 101.0kPa
Test Engineer       : Frank Liu
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.165	28.07	19.91	47.98	65.21	-17.23	Peak
2	0.326	20.61	20.03	40.64	59.54	-18.90	Peak
3	0.535	25.28	20.10	45.38	56.00	-10.62	Peak
4	1.682	13.48	20.10	33.58	56.00	-22.42	Peak
5	9.872	13.58	20.05	33.63	60.00	-26.37	Peak
6	17.954	18.80	19.81	38.61	60.00	-21.39	Peak

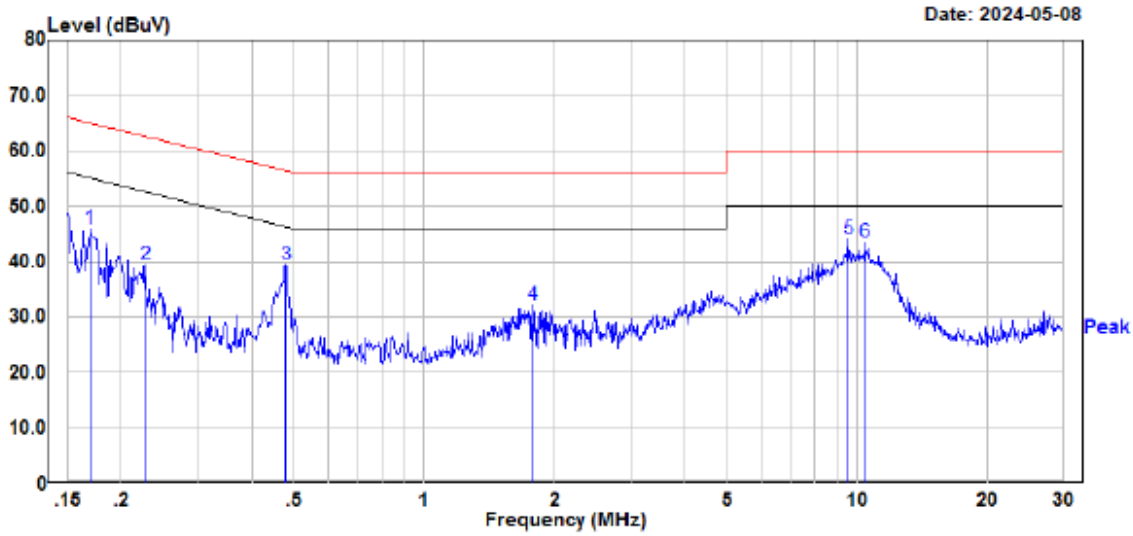
Powered by POE:
Line



Site : CE
Condition : FCC Part 15.207
: DET:Peak
Project No. : RKSA240119004
Model : EAP600
Phase : L
Voltage : 120V/60Hz
Mode : 5G WIFI
Test Equipment : ENV216,ESR
Temperature : 22.7℃
Humidity : 54%
Atmospheric pressure: 101.8kPa
Test Engineer : Frank Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.171	25.52	19.91	45.43	64.92	-19.49	Peak
2	0.195	20.14	19.94	40.08	63.81	-23.73	Peak
3	0.479	19.56	20.11	39.67	56.35	-16.68	Peak
4	3.398	13.49	20.26	33.75	56.00	-22.25	Peak
5	8.980	22.47	20.10	42.57	60.00	-17.43	Peak
6	9.971	22.93	20.04	42.97	60.00	-17.03	Peak

Neutral



Site : CE
Condition : FCC Part 15.207
: DET:Peak
Project No. : RKSA240119004
Model : EAP600
Phase : N
Voltage : 120V/60Hz
Mode : 5G WIFI
Test Equipment : ENV216,ESR
Temperature : 22.7℃
Humidity : 54%
Atmospheric pressure: 101.8kPa
Test Engineer : Frank Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.169	26.11	19.91	46.02	65.01	-18.99	Peak
2	0.228	19.52	19.97	39.49	62.52	-23.03	Peak
3	0.479	19.28	20.11	39.39	56.35	-16.96	Peak
4	1.777	12.11	20.13	32.24	56.00	-23.76	Peak
5	9.533	23.94	20.07	44.01	60.00	-15.99	Peak
6	10.428	23.40	20.01	43.41	60.00	-16.59	Peak

Transmitter Unwanted Emissions & Band Edge Emissions

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

Powered by adapter:

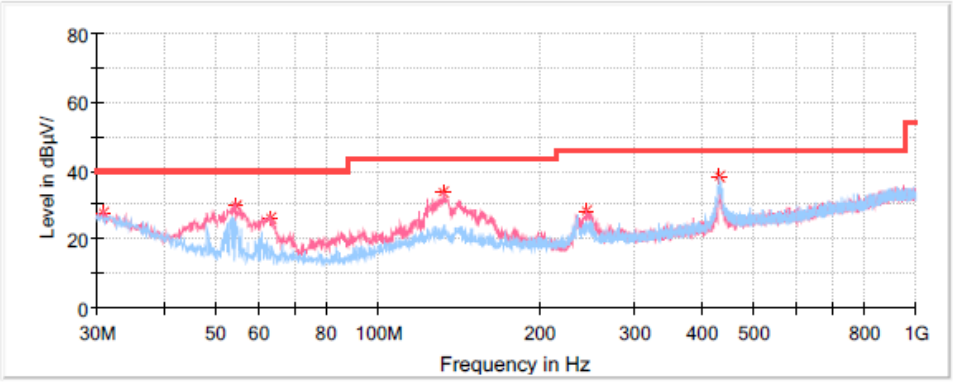
9 kHz-30MHz (Transmitting in maximum output power mode and channel)
The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded.

30MHz-1GHz(5150-5250MHz Band):
Transmitting in maximum output power mode 802.11ax20.

Low Channel: 5180 MHz

Common Information

Project No:	RKSA240119004 EAP600
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	16.0℃
Humidity:	55%
Barometric Pressure:	101.5kPa
Test Engineer:	Joe Zhang
Test Date:	2024/2/19



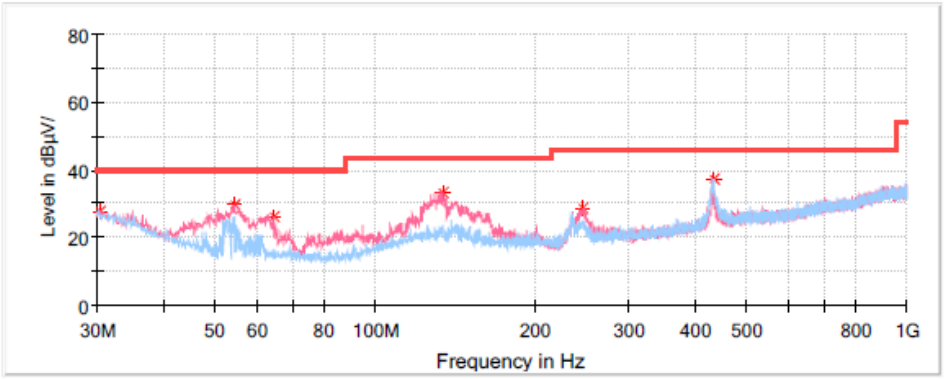
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.970000	27.74	40.00	12.26	V	-5.1
54.371250	29.64	40.00	10.36	V	-17.0
63.465000	26.06	40.00	13.94	V	-17.2
132.577500	33.61	43.50	9.89	V	-11.4
244.733750	28.32	46.00	17.68	V	-12.8
431.943750	38.03	46.00	7.97	H	-7.7

Middle Channel: 5200 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	16.0℃
Humidity:	55%
Barometric Pressure:	101.5kPa
Test Engineer:	Joe Zhang
Test Date:	2024/2/19



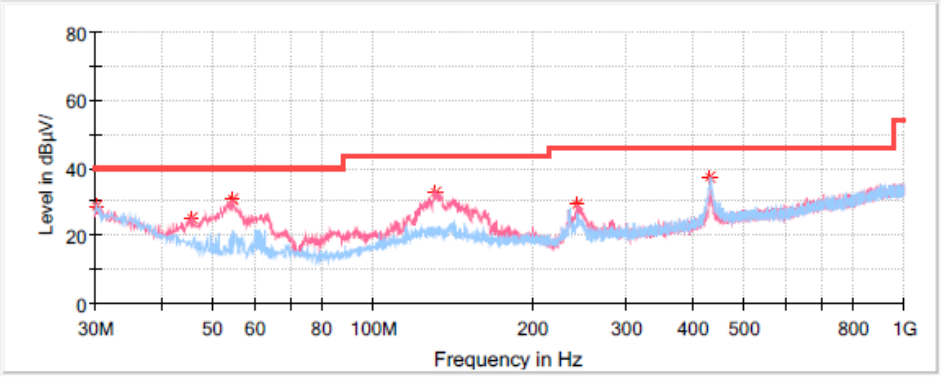
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.363750	27.82	40.00	12.18	V	-4.7
54.371250	29.62	40.00	10.38	V	-17.0
64.435000	26.01	40.00	13.99	V	-17.2
134.153750	33.36	43.50	10.14	V	-11.4
245.582500	28.59	46.00	17.41	V	-12.8
432.913750	37.45	46.00	8.55	H	-7.7

High Channel: 5240 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	16.0℃
Humidity:	55%
Barometric Pressure:	101.5kPa
Test Engineer:	Joe Zhang
Test Date:	2024/2/19



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.242500	28.57	40.00	11.43	H	-4.6
45.641250	25.30	40.00	14.70	V	-14.3
54.613750	30.79	40.00	9.21	V	-17.1
131.728750	32.65	43.50	10.85	V	-11.4
242.915000	29.08	46.00	16.92	V	-12.9
432.065000	37.18	46.00	8.82	H	-7.7

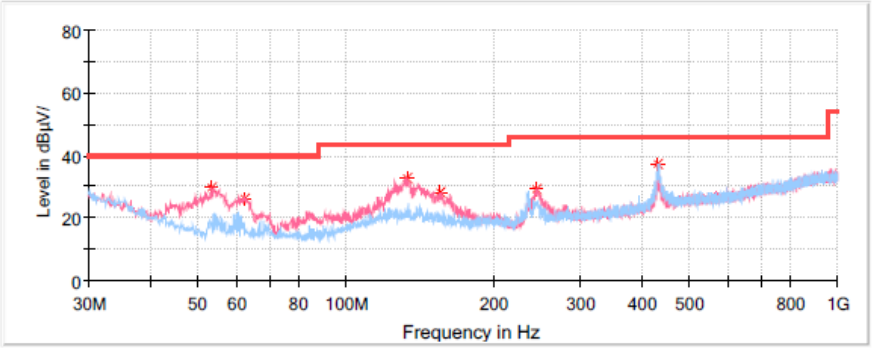
30MHz-1GHz(5725-5850MHz Band)

Transmitting in maximum output power mode 802.11ax20.

Low Channel: 5745 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	16.0℃
Humidity:	55%
Barometric Pressure:	101.5kPa
Test Engineer:	Joe Zhang
Test Date:	2024/2/19



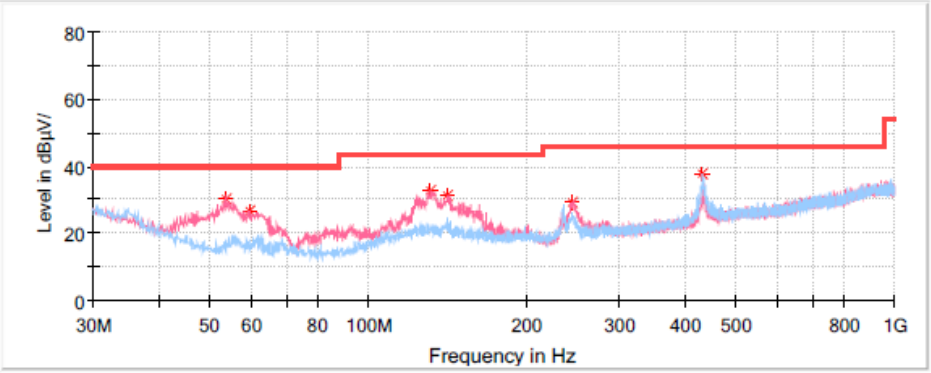
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
53.522500	29.46	40.00	10.54	V	-17.0
62.495000	26.37	40.00	13.63	V	-17.3
132.941250	32.50	43.50	11.00	V	-11.4
155.251250	28.36	43.50	15.14	V	-12.3
244.127500	29.15	46.00	16.85	V	-12.9
432.186250	37.29	46.00	8.71	H	-7.7

Middle Channel: 5785 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	16.0℃
Humidity:	55%
Barometric Pressure:	101.5kPa
Test Engineer:	Joe Zhang
Test Date:	2024/2/19



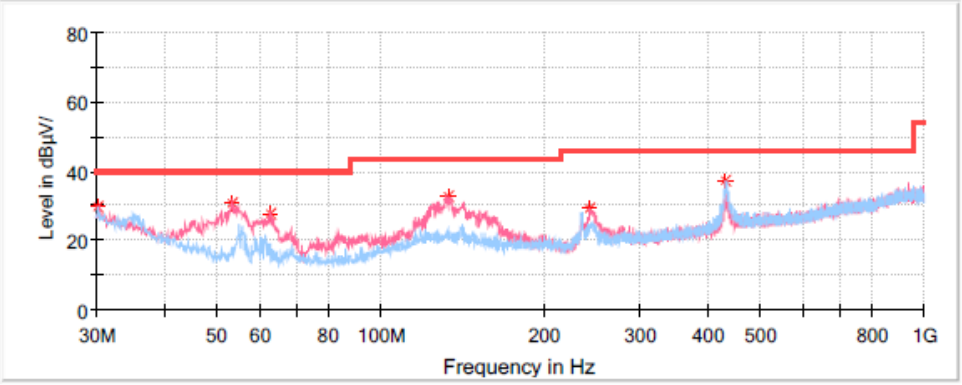
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
53.643750	30.22	40.00	9.78	V	-17.0
59.585000	26.56	40.00	13.44	V	-17.5
131.365000	32.47	43.50	11.03	V	-11.4
141.550000	31.12	43.50	12.38	V	-11.6
244.491250	29.25	46.00	16.75	V	-12.8
431.701250	37.87	46.00	8.13	H	-7.7

High Channel: 5825 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	16.0℃
Humidity:	55%
Barometric Pressure:	101.5kPa
Test Engineer:	Joe Zhang
Test Date:	2024/2/19



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.242500	29.88	40.00	10.12	H	-4.6
53.280000	30.62	40.00	9.38	V	-16.9
62.616250	27.62	40.00	12.38	V	-17.3
133.426250	32.53	43.50	10.97	V	-11.4
243.036250	29.20	46.00	16.80	V	-12.9
431.337500	37.16	46.00	8.84	H	-7.7

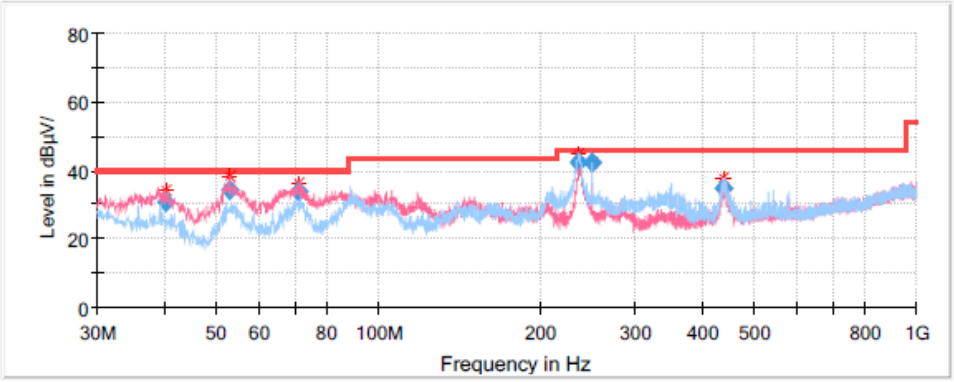
Powered by POE:

9 kHz-30MHz (Transmitting in maximum output power mode and channel)
The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded.

30MHz-1GHz(5150-5250MHz Band):
Transmitting in maximum output power mode 802.11ax20.
Low Channel: 5180 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	20.6℃
Humidity:	62%
Barometric Pressure:	101.3kPa
Test Engineer:	Leah Li
Test Date:	2024/4/24



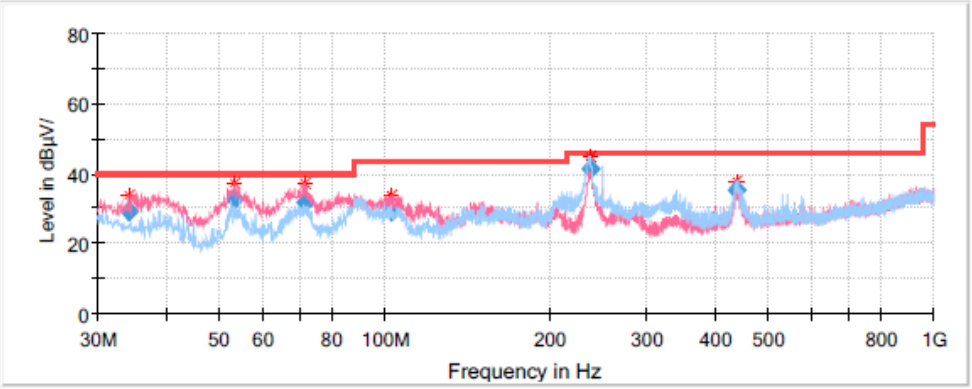
Final_Result

Frequency (MHz)	QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
40.300000	30.89	40.00	9.11	V	-10.8
52.910000	33.99	40.00	6.01	V	-17.0
71.100000	33.51	40.00	6.49	V	-16.9
235.880000	42.16	46.00	3.84	H	-13.2
249.940000	42.02	46.00	3.98	H	-12.7
438.730000	34.62	46.00	11.38	V	-7.5

Middle Channel: 5200 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	20.6℃
Humidity:	62%
Barometric Pressure:	101.3kPa
Test Engineer:	Leah Li
Test Date:	2024/4/24



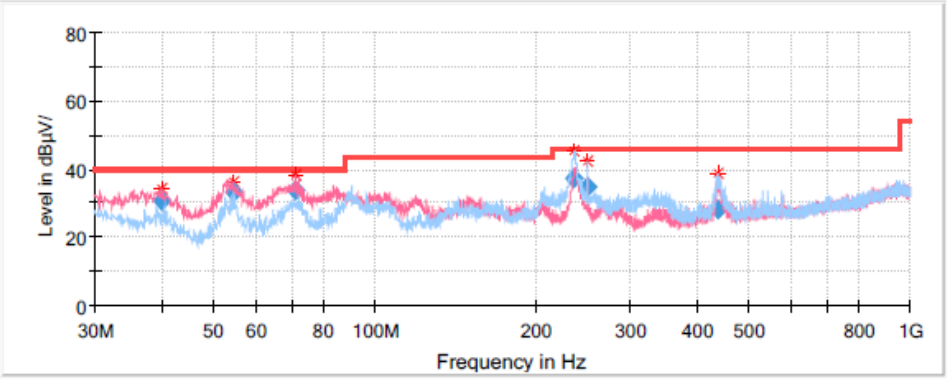
Final_Result

Frequency (MHz)	QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
34.240000	29.18	40.00	10.82	V	-7.4
53.520000	32.92	40.00	7.08	V	-16.9
71.830000	31.50	40.00	8.50	V	-17.0
103.230000	29.16	43.50	14.34	V	-14.1
236.600000	41.49	46.00	4.51	H	-13.1
438.000000	35.28	46.00	10.72	V	-7.5

High Channel: 5240 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	20.6℃
Humidity:	62%
Barometric Pressure:	101.3kPa
Test Engineer:	Leah Li
Test Date:	2024/4/24



Final_Result

Frequency (MHz)	QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
40.060000	30.75	40.00	9.25	V	-11.1
54.610000	33.24	40.00	6.76	V	-17.0
71.220000	33.48	40.00	6.52	V	-16.9
235.880000	37.16	46.00	8.84	H	-13.1
249.940000	34.84	46.00	11.16	H	-12.7
437.150000	28.35	46.00	17.65	H	-7.5

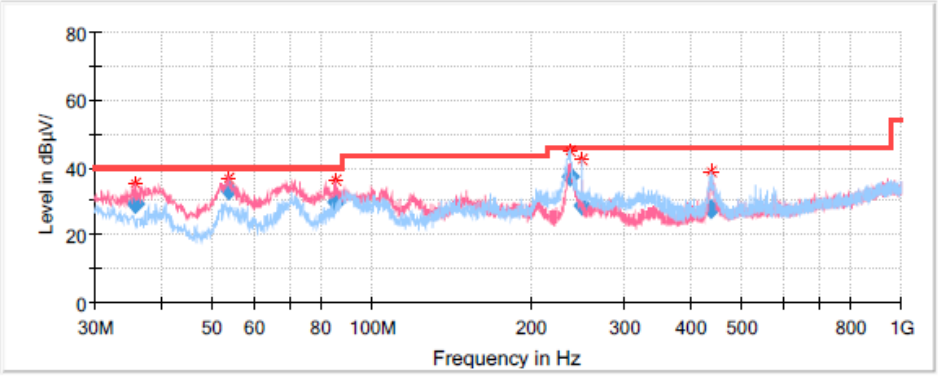
30MHz-1GHz(5725-5850MHz Band):

Transmitting in maximum output power mode 802.11ax20.

Low Channel: 5745 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	20.6℃
Humidity:	62%
Barometric Pressure:	101.3kPa
Test Engineer:	Leah Li
Test Date:	2024/4/24



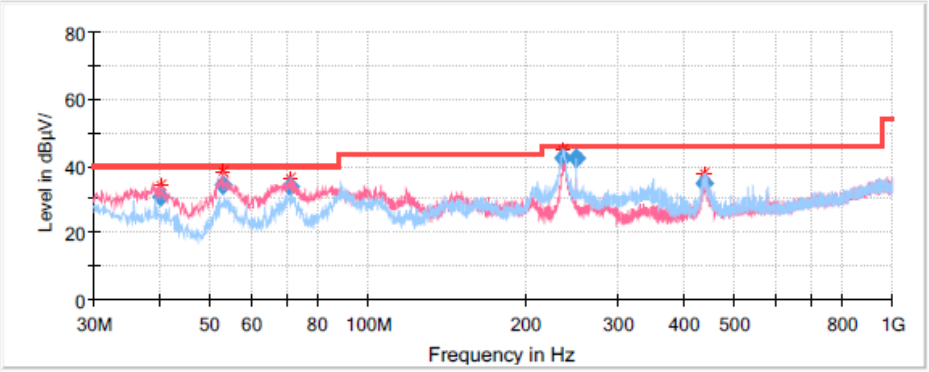
Final_Result

Frequency (MHz)	QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
35.940000	29.00	40.00	11.00	V	-8.4
53.640000	33.39	40.00	6.61	V	-16.9
85.410000	29.45	40.00	10.55	V	-17.4
236.240000	37.20	46.00	8.80	H	-13.1
249.940000	28.46	46.00	17.54	H	-12.7
436.300000	27.91	46.00	18.09	H	-7.6

Middle Channel: 5785 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	20.6℃
Humidity:	62%
Barometric Pressure:	101.3kPa
Test Engineer:	Leah Li
Test Date:	2024/4/24



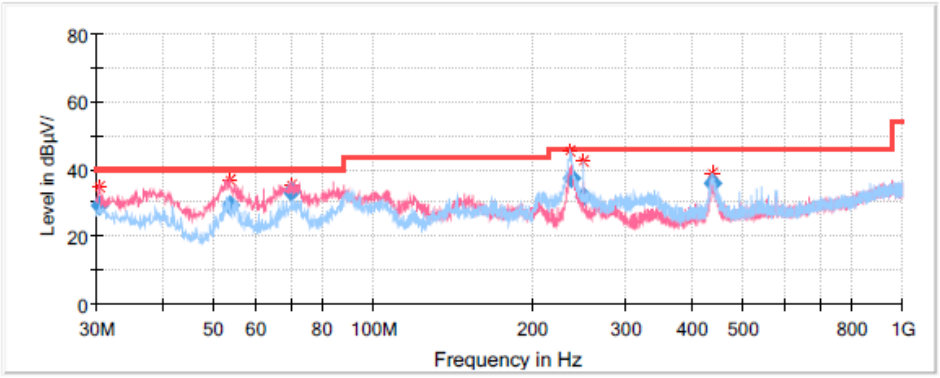
Final_Result

Frequency (MHz)	QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
40.770000	31.44	40.00	8.56	V	-10.8
53.660000	33.68	40.00	6.32	V	-17.0
71.360000	32.88	40.00	7.12	V	-16.9
235.230000	41.41	46.00	4.59	H	-13.2
249.130000	41.67	46.00	4.33	H	-12.7
438.250000	35.34	46.00	10.66	V	-7.5

High Channel: 5825 MHz

Common Information

Project No:	RKSA240119004
EUT Model:	EAP600
Test Mode:	5G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI、JB3、310N
Temperature:	20.6℃
Humidity:	62%
Barometric Pressure:	101.3kPa
Test Engineer:	Leah Li
Test Date:	2024/4/24



Final_Result

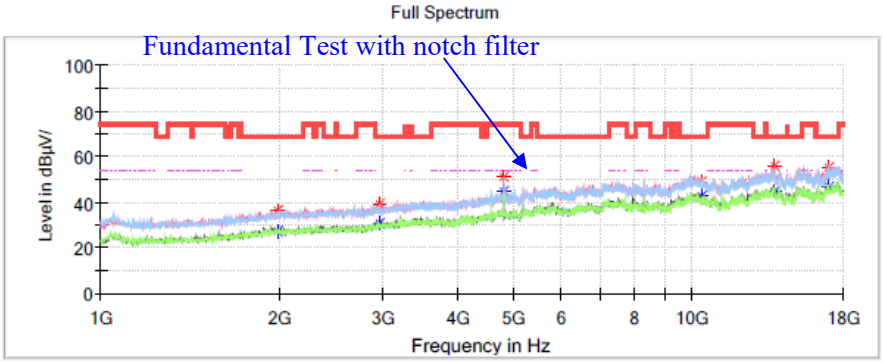
Frequency (MHz)	QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.363000	29.02	40.00	10.98	V	-4.7
53.765000	29.13	40.00	10.87	V	-17.0
70.172550	33.09	40.00	6.91	V	-16.8
236.184700	37.11	46.00	8.89	H	-13.1
249.985000	31.65	46.00	14.35	H	-12.7
438.678500	35.73	46.00	10.27	H	-7.5

1GHz-18GHz(5150-5250MHz Band):
802.11a Mode:
Chain 0:

Low Channel: 5180MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



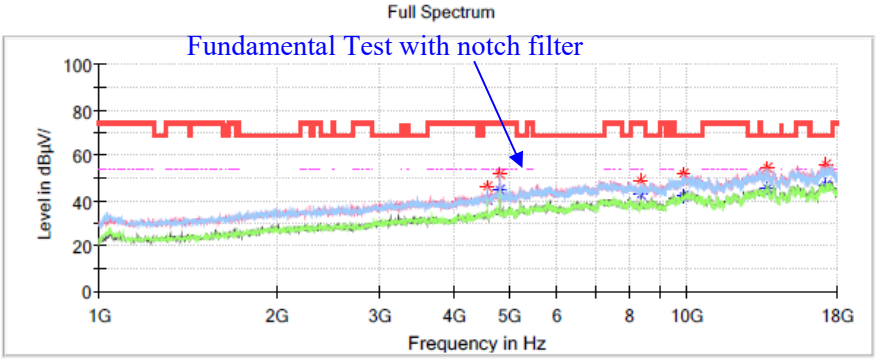
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1992.800000	---	27.60	---	---	V	-10.6
1992.800000	36.62	---	68.20	31.58	V	-10.6
2960.100000	---	30.81	---	---	H	-8.2
2960.100000	39.45	---	68.20	28.75	H	-8.2
4799.500000	50.88	---	74.00	23.12	H	-2.2
4799.500000	---	44.76	54.00	9.24	H	-2.2
10360.200000	---	42.58	---	---	V	7.4
10360.200000	49.14	---	68.20	19.06	V	7.4
13768.700000	---	44.68	---	---	V	10.7
13768.700000	55.69	---	68.20	12.51	V	10.7
16971.500000	---	46.56	---	---	H	12.2
16971.500000	55.51	---	68.20	12.69	H	12.2

Middle Channel: 5200MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



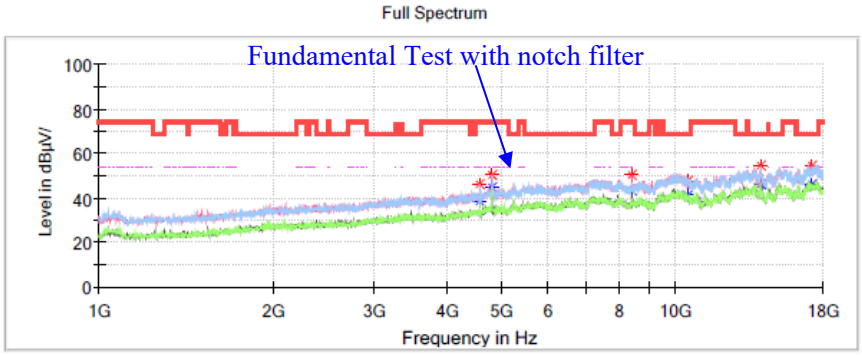
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4559.800000	46.43	---	74.00	27.57	H	-3.5
4559.800000	---	40.75	54.00	13.25	H	-3.5
4799.500000	51.68	---	74.00	22.32	H	-2.2
4799.500000	---	44.85	54.00	9.15	H	-2.2
8320.200000	49.29	---	74.00	24.71	V	3.9
8320.200000	---	42.37	54.00	11.63	V	3.9
9884.200000	---	41.80	---	---	H	7.4
9884.200000	51.57	---	68.20	16.63	H	7.4
13688.800000	---	45.56	---	---	H	10.8
13688.800000	54.43	---	68.20	13.77	V	10.8
17274.100000	---	47.05	---	---	V	13.0
17274.100000	55.63	---	68.20	12.57	V	13.0

High Channel: 5240MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



Critical_Freqs

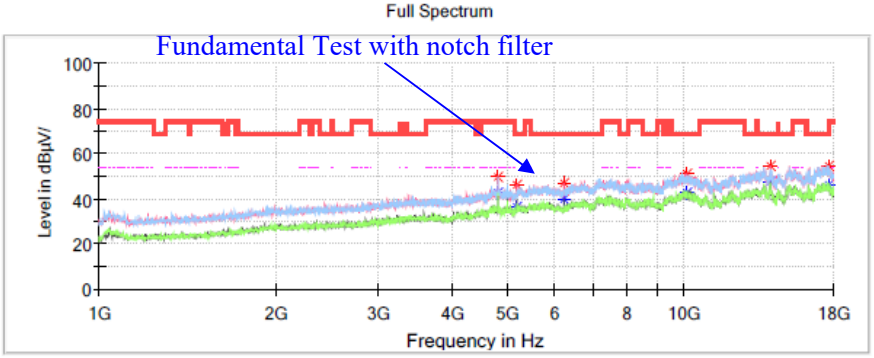
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4559.800000	---	38.72	54.00	15.28	H	-3.5
4559.800000	46.16	---	74.00	27.84	H	-3.5
4799.500000	---	44.70	54.00	9.30	H	-2.2
4799.500000	50.48	---	74.00	23.52	H	-2.2
8383.100000	---	43.08	54.00	10.92	V	3.9
8383.100000	50.11	---	74.00	23.89	V	3.9
10480.900000	47.68	---	68.20	20.52	V	7.3
10480.900000	---	41.10	---	---	H	7.3
14008.400000	54.74	---	68.20	13.46	V	10.5
14008.400000	---	46.49	---	---	V	10.5
17245.200000	---	46.17	---	---	V	13.0
17245.200000	54.79	---	68.20	13.41	V	13.0

Chain 1:

Low Channel: 5180MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



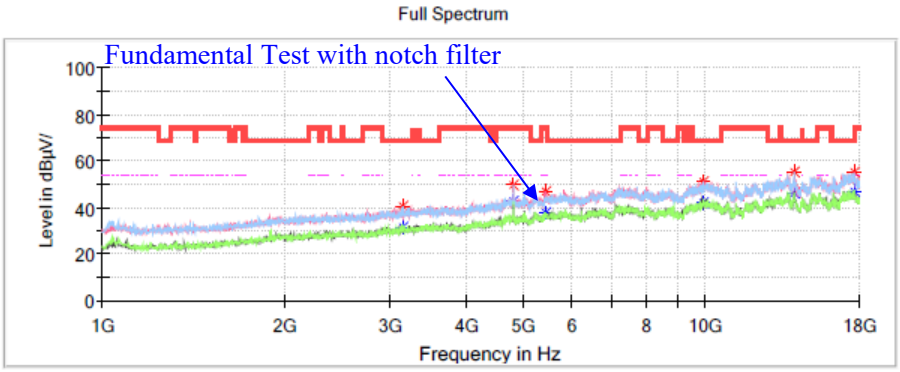
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4799.500000	49.55	---	74.00	24.45	H	-2.2
4799.500000	---	42.57	54.00	11.43	H	-2.2
5175.200000	---	36.25	---	---	V	-0.5
5175.200000	46.18	---	68.20	22.02	V	-0.5
6215.600000	46.66	---	68.20	21.54	V	0.5
6215.600000	---	39.95	---	---	V	0.5
10129.000000	---	42.51	---	---	H	7.7
10129.000000	50.82	---	68.20	17.38	V	7.7
14008.400000	---	47.28	---	---	V	10.5
14008.400000	54.66	---	68.20	13.54	V	10.5
17644.700000	---	45.92	---	---	V	13.0
17644.700000	54.89	---	68.20	13.31	H	13.0

Middle Channel: 5200MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



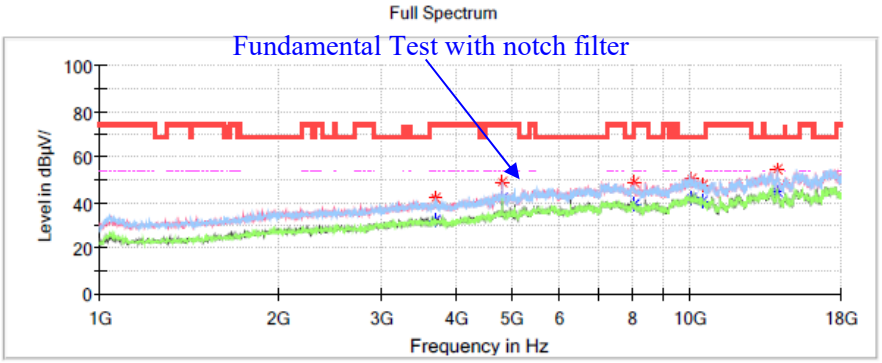
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3159.000000	---	31.17	---	---	H	-7.4
3159.000000	40.51	---	68.20	27.69	H	-7.4
4799.500000	49.53	---	74.00	24.47	H	-2.2
4799.500000	---	42.43	54.00	11.57	H	-2.2
5445.500000	---	37.98	54.00	16.02	V	0.6
5445.500000	46.98	---	74.00	27.02	V	0.6
9947.100000	---	42.12	---	---	H	7.6
9947.100000	51.30	---	68.20	16.90	H	7.6
14003.300000	---	46.16	---	---	H	10.5
14003.300000	54.95	---	68.20	13.25	H	10.5
17639.600000	---	46.67	---	---	V	13.0
17639.600000	55.16	---	68.20	13.04	V	13.0

High Channel: 5240MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3697.900000	---	32.42	54.00	21.58	V	-5.7
3697.900000	42.05	---	74.00	31.95	H	-5.7
4799.500000	---	42.05	54.00	11.95	V	-2.2
4799.500000	48.94	---	74.00	25.06	H	-2.2
8017.600000	---	39.36	---	---	V	3.8
8017.600000	49.23	---	68.20	18.97	V	3.8
10038.900000	---	41.97	---	---	H	7.8
10038.900000	50.45	---	68.20	17.75	H	7.8
10479.200000	---	40.67	---	---	V	7.3
10479.200000	47.49	---	68.20	20.71	V	7.3
14006.700000	---	44.85	---	---	V	10.5
14006.700000	54.20	---	68.20	14.00	H	10.5

802.11ac20 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5180 MHz						
1566.100000	---	25.14	54.00	28.86	H	-13.5
1566.100000	34.50	---	74.00	39.50	H	-13.5
2377.000000	---	28.28	54.00	25.72	V	-10.0
2377.000000	37.50	---	74.00	36.50	V	-10.0
4799.500000	---	46.87	54.00	7.13	V	-2.2
4799.500000	52.61	---	74.00	21.39	V	-2.2
5758.300000	49.39	---	68.20	18.81	V	0.5
14003.300000	54.18	---	68.20	14.02	V	10.5
17598.800000	55.49	---	68.20	12.71	V	13.2
Middle Channel: 5200 MHz						
1826.200000	36.11	---	68.20	32.09	V	-11.7
2252.900000	---	27.92	54.00	26.08	H	-10.2
2252.900000	37.68	---	74.00	36.32	H	-10.2
4799.500000	---	46.80	54.00	7.20	V	-2.2
4799.500000	52.10	---	74.00	21.90	V	-2.2
6239.400000	45.99	---	68.20	22.21	V	0.5
13714.300000	53.78	---	68.20	14.42	H	10.8
17410.100000	54.75	---	68.20	13.45	V	13.4
High Channel: 5240 MHz						
2028.500000	36.84	---	68.20	31.36	V	-10.5
4799.500000	---	46.50	54.00	7.50	V	-2.2
4799.500000	52.50	---	74.00	21.50	V	-2.2
5758.300000	47.42	---	68.20	20.78	V	0.5
8383.100000	---	42.40	54.00	11.60	H	3.9
8383.100000	48.61	---	74.00	25.39	H	3.9
14001.600000	54.38	---	68.20	13.82	V	10.5
17535.900000	54.67	---	68.20	13.53	V	13.5

802.11ax20 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5180 MHz						
1906.100000	36.48	---	68.20	31.72	V	-11.2
4799.500000	---	46.55	54.00	7.45	V	-2.2
4799.500000	52.44	---	74.00	21.56	V	-2.2
5758.300000	47.56	---	68.20	20.64	V	0.5
8287.900000	---	41.24	54.00	12.76	H	3.9
8287.900000	48.37	---	74.00	25.63	H	3.9
13724.500000	55.07	---	68.20	13.13	V	10.8
16949.400000	54.75	---	68.20	13.45	V	12.1
Middle Channel: 5200 MHz						
1929.900000	36.23	---	68.20	31.97	V	-11.0
4799.500000	---	47.31	54.00	6.69	H	-2.2
4799.500000	53.79	---	74.00	20.21	H	-2.2
5758.300000	48.25	---	68.20	19.95	V	0.5
7164.200000	48.91	---	68.20	19.29	V	3.9
9911.400000	50.74	---	68.20	17.46	V	7.5
13680.300000	52.99	---	68.20	15.21	V	10.8
High Channel: 5240 MHz						
1646.000000	---	24.02	54.00	29.98	V	-12.9
1646.000000	33.46	---	74.00	40.54	V	-12.9
4799.500000	---	47.35	54.00	6.65	V	-2.2
4799.500000	54.00	---	74.00	20.00	V	-2.2
8383.100000	---	42.61	54.00	11.39	H	3.9
8383.100000	49.95	---	74.00	24.05	H	3.9
9928.400000	51.62	---	68.20	16.58	V	7.6
13678.600000	54.04	---	68.20	14.16	H	10.8
17493.400000	55.32	---	68.20	12.88	V	13.6

802.11ac40 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5190 MHz						
1914.600000	36.58	---	68.20	31.62	V	-11.1
2662.600000	36.93	---	68.20	31.27	V	-9.2
4799.500000	52.80	---	74.00	21.20	H	-2.2
4799.500000	---	46.82	54.00	7.18	H	-2.2
5760.000000	47.97	---	68.20	20.23	V	0.5
13685.400000	53.65	---	68.20	14.55	V	10.8
17014.000000	54.62	---	68.20	13.58	V	12.4
High Channel: 5230 MHz						
1997.900000	37.00	---	68.20	31.20	H	-10.6
5221.100000	47.12	---	68.20	21.08	V	-0.3
8367.800000	---	42.74	54.00	11.26	V	3.9
8367.800000	47.62	---	74.00	26.38	V	3.9
9246.700000	49.22	---	68.20	18.98	H	4.9
13644.600000	53.99	---	68.20	14.21	V	10.9
17279.200000	54.75	---	68.20	13.45	V	13.1

802.11ax40 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5190 MHz						
3597.600000	40.85	---	68.20	27.35	V	-5.9
4559.800000	---	36.96	54.00	17.04	V	-3.5
4559.800000	43.44	---	74.00	30.56	V	-3.5
4799.500000	53.29	---	74.00	20.71	H	-2.2
4799.500000	---	46.51	54.00	7.49	H	-2.2
5760.000000	48.74	---	68.20	19.46	V	0.5
10207.200000	51.52	---	68.20	16.68	V	7.6
16927.300000	55.56	---	68.20	12.64	V	12.0
High Channel: 5230 MHz						
1625.600000	---	24.74	54.00	29.26	H	-13.1
1625.600000	34.35	---	74.00	39.65	H	-13.1
3215.100000	40.45	---	68.20	27.75	V	-7.2
4799.500000	---	46.31	54.00	7.69	H	-2.2
4799.500000	52.31	---	74.00	21.69	H	-2.2
5760.000000	48.41	---	68.20	19.79	V	0.5
8367.800000	---	43.06	54.00	10.94	V	3.9
8367.800000	48.30	---	74.00	25.70	V	3.9
13693.900000	54.64	---	68.20	13.56	V	10.8

802.11ac80 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
5210 MHz						
2910.800000	39.28	---	68.20	28.92	V	-8.3
4799.500000	---	40.39	54.00	13.61	H	-2.2
4799.500000	45.94	---	74.00	28.06	H	-2.2
7244.100000	49.08	---	68.20	19.12	V	4.0
8335.500000	---	41.20	54.00	12.80	V	3.9
8335.500000	47.80	---	74.00	26.20	V	3.9
9935.200000	51.10	---	68.20	17.10	V	7.6
15365.000000	---	43.15	54.00	10.85	V	11.3
15365.000000	53.34	---	74.00	20.66	V	11.3

802.11ax80 Mode (Chain 0 + Chain 1)

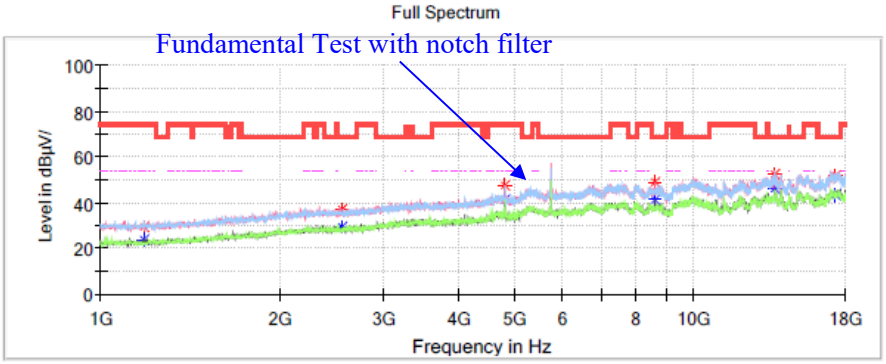
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
5210 MHz						
1853.400000	34.55	---	68.20	33.65	V	-11.6
4799.500000	47.85	---	74.00	26.15	V	-2.2
4799.500000	---	40.17	54.00	13.83	V	-2.2
8335.500000	---	42.13	54.00	11.87	H	3.9
8335.500000	49.50	---	74.00	24.50	H	3.9
9942.000000	48.12	---	68.20	20.08	V	7.6
13644.600000	53.15	---	68.20	15.05	V	10.9
17581.800000	54.58	---	68.20	13.62	V	13.3

1GHz-18GHz(5725-5850MHz Band):
802.11a Mode:
Chain 0:

Low Channel: 5745MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



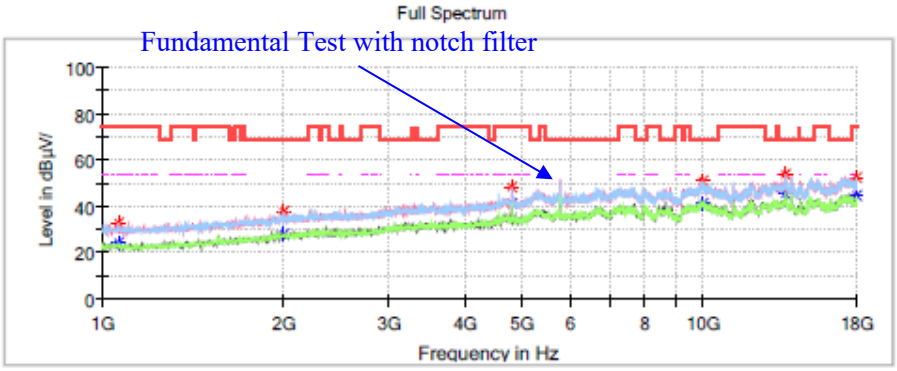
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1180.200000	---	23.86	54.00	30.14	V	-14.9
1180.200000	29.35	---	74.00	44.65	V	-14.9
2547.000000	---	29.41	---	---	V	-9.6
2547.000000	36.99	---	68.20	31.21	V	-9.6
4799.500000	---	41.42	54.00	12.58	H	-2.2
4799.500000	47.79	---	74.00	26.21	H	-2.2
8617.700000	---	41.53	---	---	V	3.8
8617.700000	49.05	---	68.20	19.15	V	3.8
13676.900000	---	46.21	---	---	V	10.8
13676.900000	52.43	---	68.20	15.77	V	10.8
17388.000000	---	43.60	---	---	H	13.3
17388.000000	51.91	---	68.20	16.29	H	13.3

Middle Channel: 5785MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



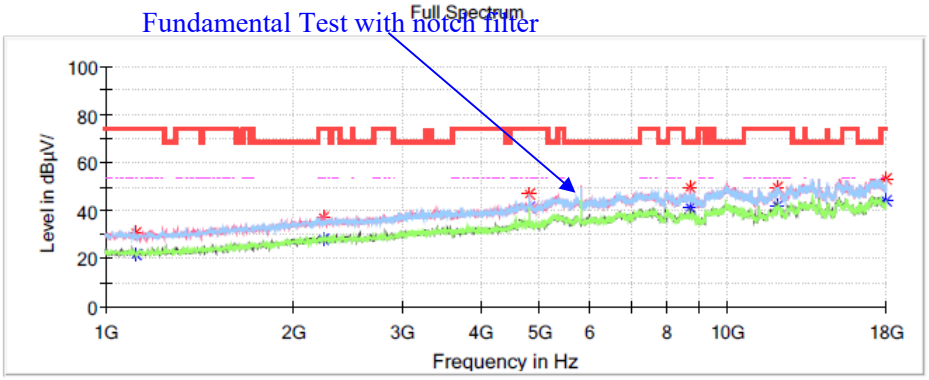
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1062.900000	---	24.30	54.00	29.70	H	-15.3
1062.900000	32.71	---	74.00	41.29	H	-15.3
2004.700000	---	27.83	---	---	H	-10.6
2004.700000	37.47	---	68.20	30.73	H	-10.6
4799.500000	---	41.04	54.00	12.96	H	-2.2
4799.500000	48.60	---	74.00	25.40	H	-2.2
9989.600000	---	40.92	---	---	V	7.8
9989.600000	50.87	---	68.20	17.33	V	7.8
13678.600000	---	45.18	---	---	V	10.8
13678.600000	53.88	---	68.20	14.32	V	10.8
17998.300000	---	44.61	54.00	9.39	V	11.5
17998.300000	52.48	---	74.00	21.52	V	11.5

High Channel: 5825MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



Critical_Freqs

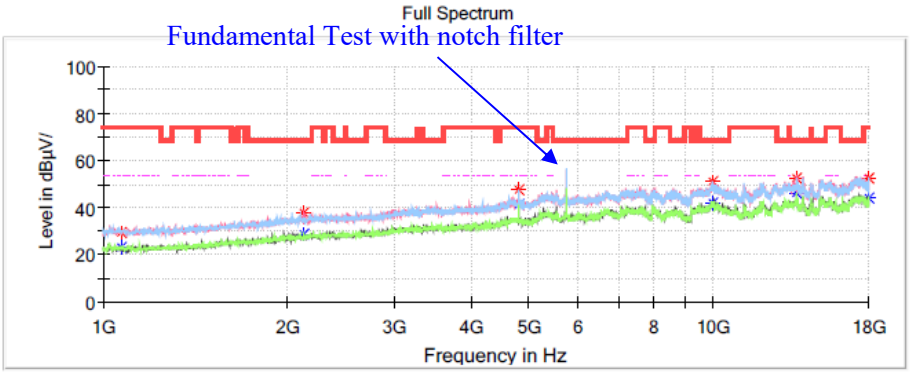
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1117.300000	---	21.60	54.00	32.40	V	-15.1
1117.300000	30.53	---	74.00	43.47	V	-15.1
2237.600000	---	28.30	54.00	25.70	H	-10.2
2237.600000	37.05	---	74.00	36.95	H	-10.2
4799.500000	---	41.35	54.00	12.65	H	-2.2
4799.500000	46.77	---	74.00	27.23	H	-2.2
8736.700000	49.32	---	68.20	18.88	V	3.8
8736.700000	---	41.56	---	---	V	3.8
12055.100000	---	41.91	54.00	12.09	V	7.0
12055.100000	49.51	---	74.00	24.49	V	7.0
17998.300000	---	44.16	54.00	9.84	V	11.5
17998.300000	53.18	---	74.00	20.82	V	11.5

Chain 1:

Low Channel: 5745MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



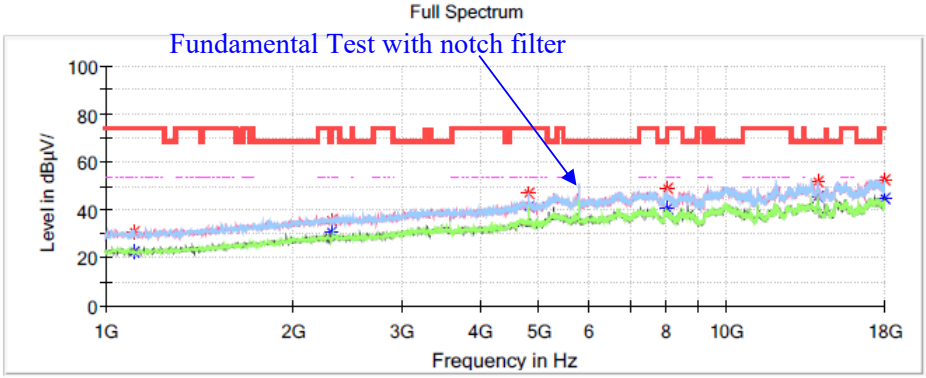
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1068.000000	---	23.10	54.00	30.90	H	-15.3
1068.000000	29.55	---	74.00	44.45	V	-15.3
2137.300000	---	28.34	---	---	H	-10.3
2137.300000	37.76	---	68.20	30.44	V	-10.3
4799.500000	---	41.16	54.00	12.84	H	-2.2
4799.500000	47.28	---	74.00	26.72	H	-2.2
9955.600000	---	41.69	---	---	V	7.7
9955.600000	50.80	---	68.20	17.40	H	7.7
13676.900000	---	46.02	---	---	H	10.8
13676.900000	52.51	---	68.20	15.69	V	10.8
18000.000000	---	44.19	54.00	9.81	V	11.5
18000.000000	52.48	---	74.00	21.52	V	11.5

Middle Channel: 5785MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



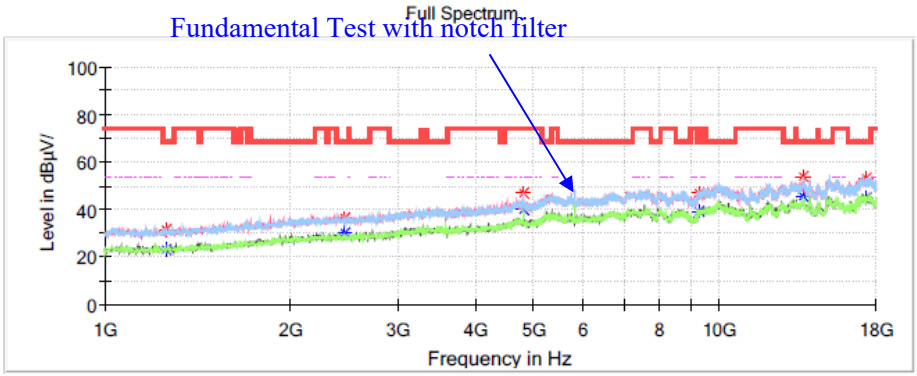
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1108.800000	---	22.63	54.00	31.37	V	-15.2
1108.800000	30.91	---	74.00	43.09	V	-15.2
2312.400000	35.93	---	74.00	38.07	V	-10.1
2312.400000	---	30.90	54.00	23.10	V	-10.1
4799.500000	---	41.35	54.00	12.65	H	-2.2
4799.500000	47.14	---	74.00	26.86	H	-2.2
8014.200000	---	40.26	---	---	V	3.8
8014.200000	49.18	---	68.20	19.02	V	3.8
14001.600000	51.79	---	68.20	16.41	H	10.5
14001.600000	---	45.78	---	---	H	10.5
17998.300000	---	44.66	54.00	9.34	V	11.5
17998.300000	52.28	---	74.00	21.72	V	11.5

High Channel: 5825MHz

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1261.800000	---	22.91	---	---	V	-14.7
1261.800000	31.17	---	68.20	37.03	V	-14.7
2456.900000	---	30.19	---	---	V	-9.8
2456.900000	36.19	---	68.20	32.01	V	-9.8
4799.500000	---	40.10	54.00	13.90	H	-2.2
4799.500000	46.82	---	74.00	27.18	H	-2.2
9241.600000	---	39.15	---	---	V	4.9
9241.600000	46.71	---	68.20	21.49	V	4.9
13676.900000	---	45.30	---	---	H	10.8
13676.900000	54.13	---	68.20	14.07	H	10.8
17379.500000	---	44.87	---	---	V	13.3
17379.500000	53.28	---	68.20	14.92	V	13.3

802.11ac20 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5745 MHz						
1790.500000	34.43	---	68.20	33.77	V	-12.0
2473.900000	37.74	---	68.20	30.46	V	-9.8
4799.500000	---	43.87	54.00	10.13	H	-2.2
4799.500000	50.05	---	74.00	23.95	H	-2.2
11490.700000	---	37.76	54.00	16.24	V	7.3
11490.700000	43.77	---	74.00	30.23	H	7.3
13687.100000	54.74	---	68.20	13.46	V	10.8
17143.200000	---	44.50	---	---	V	12.7
17143.200000	53.82	---	68.20	14.38	V	12.7
Middle Channel: 5785 MHz						
1918.000000	35.37	---	68.20	32.83	H	-11.1
4799.500000	---	43.25	54.00	10.75	H	-2.2
4799.500000	49.98	---	74.00	24.02	H	-2.2
9982.800000	50.90	---	68.20	17.30	V	7.8
11570.600000	---	37.69	54.00	16.31	V	7.2
11570.600000	45.27	---	74.00	28.73	V	7.2
13678.600000	54.05	---	68.20	14.15	V	10.8
17153.400000	54.93	---	68.20	13.27	H	12.7
High Channel: 5825 MHz						
1467.500000	---	23.29	54.00	30.71	V	-14.0
1467.500000	33.02	---	74.00	40.98	H	-14.0
2832.600000	---	29.03	54.00	24.97	H	-8.6
2832.600000	38.78	---	74.00	35.22	H	-8.6
4799.500000	50.17	---	74.00	23.83	V	-2.2
4799.500000	---	43.28	54.00	10.72	H	-2.2
11203.400000	---	41.85	54.00	12.15	V	6.7
11203.400000	50.58	---	74.00	23.42	H	6.7
11650.500000	46.31	---	74.00	27.69	H	7.2
11650.500000	---	40.64	54.00	13.36	V	7.2
17158.500000	54.09	---	68.20	14.11	H	12.7

802.11ax20 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5745 MHz						
1581.400000	---	25.50	54.00	28.50	V	-13.4
1581.400000	34.42	---	74.00	39.58	V	-13.4
4799.500000	---	44.21	54.00	9.79	H	-2.2
4799.500000	49.60	---	74.00	24.40	H	-2.2
9901.200000	50.18	---	68.20	18.02	V	7.5
11489.000000	---	37.37	54.00	16.63	V	7.3
11489.000000	44.76	---	74.00	29.24	V	7.3
14006.700000	53.72	---	68.20	14.48	V	10.5
16753.900000	52.90	---	68.20	15.30	V	11.3
Middle Channel: 5785 MHz						
1923.100000	34.99	---	68.20	33.21	V	-11.1
3009.400000	38.83	---	68.20	29.37	V	-8.0
4799.500000	---	42.98	54.00	11.02	H	-2.2
4799.500000	48.35	---	74.00	25.65	H	-2.2
10049.100000	49.38	---	68.20	18.82	V	7.8
11570.600000	---	38.46	54.00	15.54	V	7.2
11570.600000	45.45	---	74.00	28.55	V	7.2
17126.200000	54.44	---	68.20	13.76	V	12.7
High Channel: 5825 MHz						
1433.500000	34.04	---	68.20	34.16	V	-14.1
4799.500000	---	43.22	54.00	10.78	V	-2.2
4799.500000	48.57	---	74.00	25.43	V	-2.2
7320.600000	---	40.05	54.00	13.95	H	4.0
7320.600000	49.07	---	74.00	24.93	H	4.0
9991.300000	51.43	---	68.20	16.77	V	7.8
13676.900000	52.82	---	68.20	15.38	H	10.8
17195.900000	54.08	---	68.20	14.12	V	12.8

802.11ac40 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5755 MHz						
1669.800000	---	24.35	54.00	29.65	V	-12.8
1669.800000	32.76	---	74.00	41.24	V	-12.8
4799.500000	---	43.43	54.00	10.57	H	-2.2
4799.500000	49.56	---	74.00	24.44	H	-2.2
9976.000000	50.13	---	68.20	18.07	V	7.7
11512.800000	---	36.57	54.00	17.43	H	7.3
11512.800000	44.99	---	74.00	29.01	H	7.3
13328.400000	---	42.75	54.00	11.25	V	10.3
13328.400000	53.36	---	74.00	20.64	V	10.3
17082.000000	54.05	---	68.20	14.15	V	12.5
High Channel: 5795 MHz						
2062.500000	36.44	---	68.20	31.76	V	-10.5
2980.500000	39.25	---	68.20	28.95	V	-8.1
10067.800000	50.81	---	68.20	17.39	V	7.7
11589.300000	---	38.35	54.00	15.65	H	7.2
11589.300000	45.28	---	74.00	28.72	H	7.2
13676.900000	53.38	---	68.20	14.82	V	10.8
16969.800000	53.64	---	68.20	14.56	V	12.2

802.11ax40 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5755 MHz						
1669.800000	---	24.74	54.00	29.26	V	-12.8
1669.800000	34.80	---	74.00	39.20	V	-12.8
3585.700000	39.65	---	68.20	28.55	V	-5.9
4799.500000	---	43.49	54.00	10.51	V	-2.2
4799.500000	49.02	---	74.00	24.98	V	-2.2
9965.800000	51.94	---	68.20	16.26	V	7.7
11509.400000	---	38.41	54.00	15.59	H	7.3
11509.400000	45.90	---	74.00	28.10	H	7.3
17143.200000	54.00	---	68.20	14.20	V	12.7
High Channel: 5795 MHz						
1880.600000	33.89	---	68.20	34.31	V	-11.4
2958.400000	39.33	---	68.20	28.87	V	-8.2
4799.500000	49.16	---	74.00	24.84	H	-2.2
4799.500000	---	43.84	54.00	10.16	H	-2.2
6678.000000	48.66	---	68.20	19.54	V	1.9
9945.400000	51.07	---	68.20	17.13	V	7.6
14001.600000	53.67	---	68.20	14.53	V	10.5

802.11ac80 Mode (Chain 0 + Chain 1)

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
5775 MHz						
1751.400000	34.01	---	68.20	34.19	H	-12.2
5278.900000	50.83	---	68.20	17.37	V	-0.1
9248.400000	48.67	---	68.20	19.53	V	4.9
11550.200000	---	37.00	54.00	17.00	H	7.3
11550.200000	44.03	---	74.00	29.97	H	7.3
13683.700000	53.64	---	68.20	14.56	V	10.8
17155.100000	53.83	---	68.20	14.37	V	12.7

802.11ax80 Mode (Chain 0 + Chain 1)

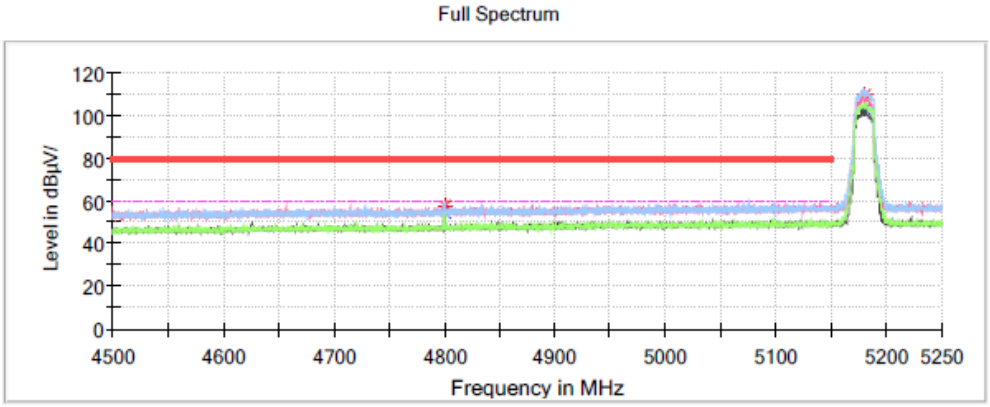
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
5775 MHz						
2997.500000	39.34	---	68.20	28.86	V	-8.0
4799.500000	---	39.25	54.00	14.75	H	-2.2
4799.500000	46.63	---	74.00	27.37	H	-2.2
5278.900000	51.23	---	68.20	16.97	V	-0.1
7159.100000	48.20	---	68.20	20.00	V	3.9
10305.800000	51.56	---	68.20	16.64	V	7.5
11550.200000	---	37.67	54.00	16.33	V	7.3
11550.200000	44.70	---	74.00	29.30	V	7.3

Band Edge Emissions Test
NOTE: Test distance is 1.5m,the limit is peak:80 dBμV/m average： 60 dBμV/m
5150-5250MHz Band:

802.11a Mode:
Chain 0:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7

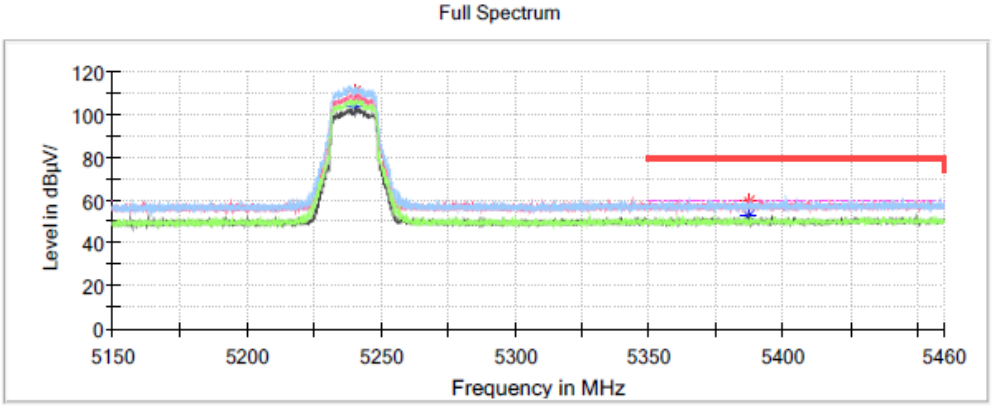


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	57.92	---	80.00	22.08	H	7.8
4800.000000	---	54.16	60.00	5.84	H	7.8
5180.025000	109.86	---	---	---	H	9.5
5180.025000	---	103.30	---	---	H	9.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



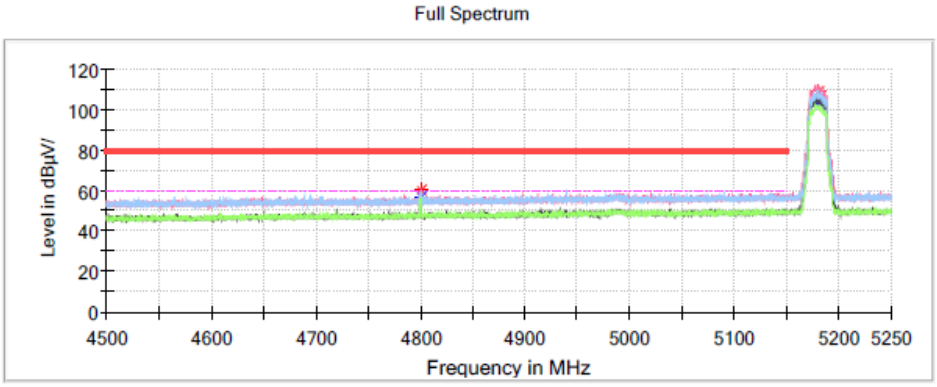
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5239.993000	110.56	---	---	---	H	9.8
5239.993000	---	104.25	---	---	H	9.8
5387.491000	59.56	---	80.00	20.44	V	10.4
5387.491000	---	52.75	60.00	7.25	V	10.4

Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7

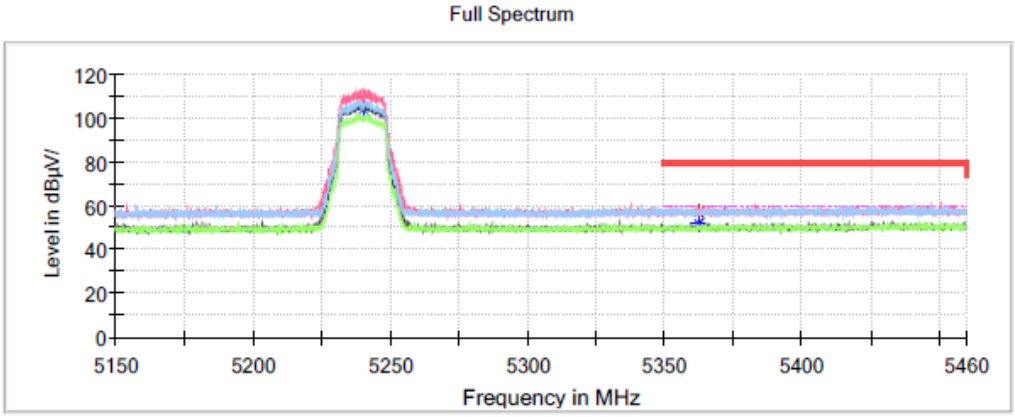


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4799.850000	---	56.82	60.00	3.18	H	7.8
4799.850000	60.23	---	80.00	19.77	V	7.8
5179.950000	109.48	---	---	---	V	9.5
5179.950000	---	103.97	---	---	V	9.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



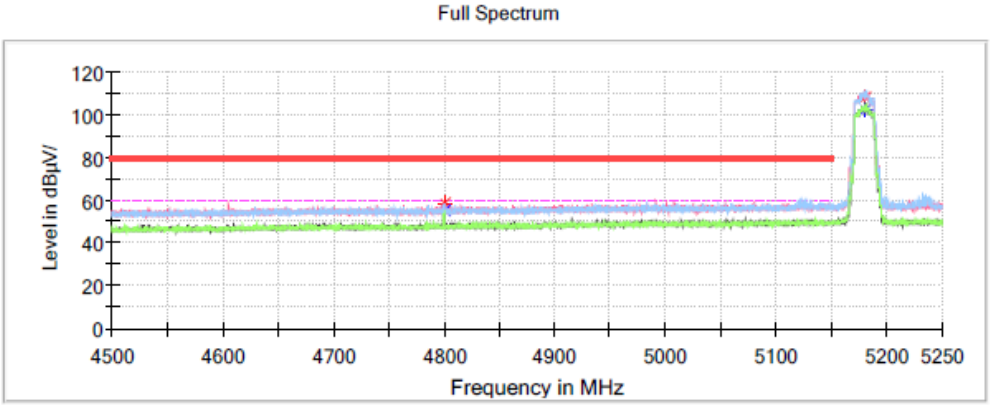
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5239.993000	109.48	---	---	---	V	9.8
5239.993000	---	103.71	---	---	V	9.8
5362.412000	57.23	---	80.00	22.77	V	10.3
5362.412000	---	52.22	60.00	7.78	V	10.3

802.11ac20 Mode:
Chain 0 + Chain 1

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac20 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8

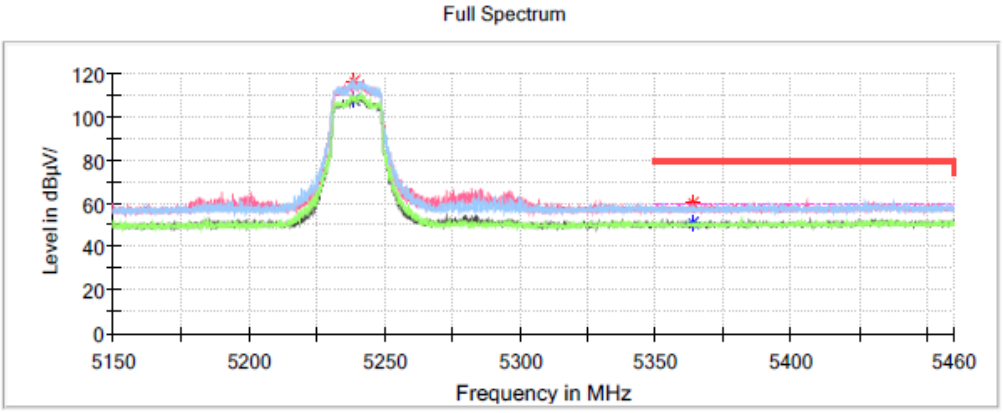


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.075000	58.67	---	80.00	21.33	V	7.8
4800.075000	---	55.42	60.00	4.58	H	7.8
5180.025000	108.18	---	---	---	V	9.5
5180.025000	---	102.19	---	---	H	9.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac20 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



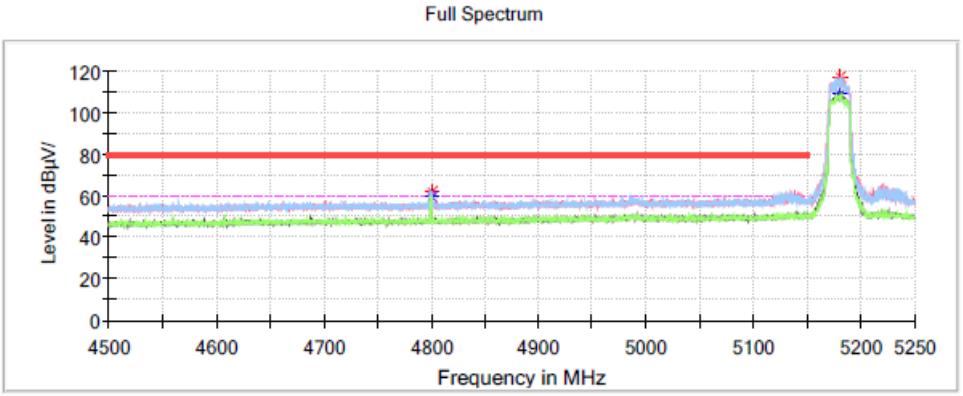
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5238.598000	---	108.57	---	---	H	9.8
5238.598000	116.40	---	---	---	H	9.8
5363.900000	---	51.06	60.00	8.94	V	10.3
5363.900000	60.33	---	80.00	19.67	V	10.3

802.11ax20 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax20 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8

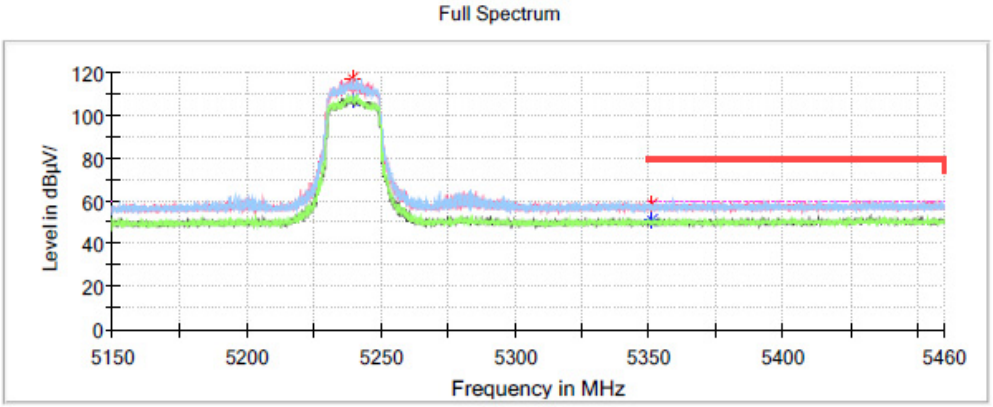


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	61.83	---	80.00	18.17	H	7.8
4800.000000	---	59.99	60.00	0.01	H	7.8
5180.025000	117.27	---	---	---	V	9.5
5180.025000	---	108.72	---	---	V	9.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax20 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



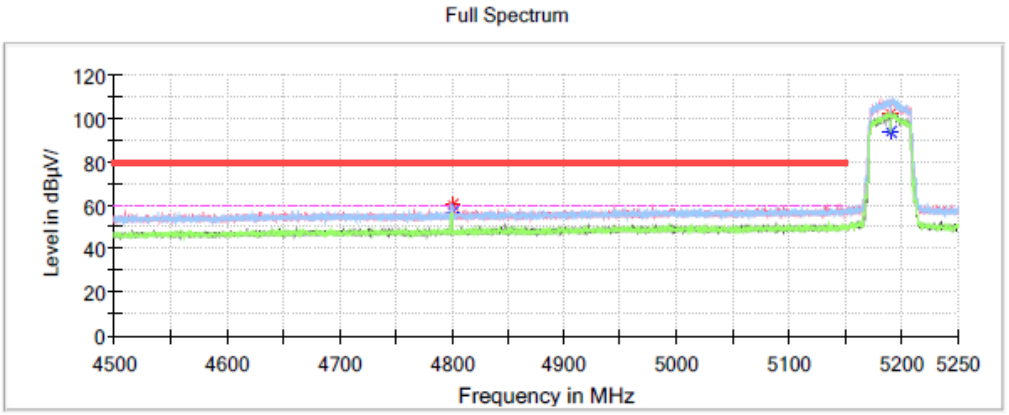
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5239.249000	---	107.23	---	---	H	9.8
5239.249000	117.68	---	---	---	H	9.8
5350.849000	58.82	---	80.00	21.18	H	10.2
5350.849000	---	51.33	60.00	8.67	V	10.2

802.11ac40 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac40 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8

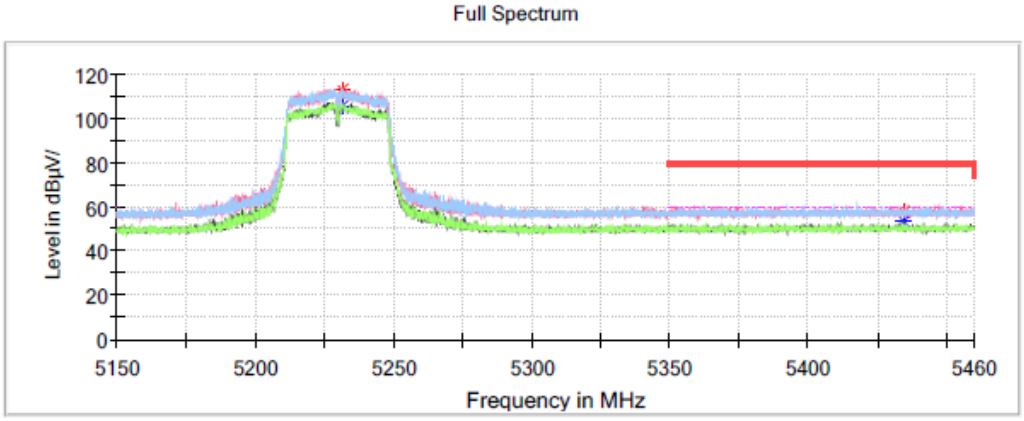


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	60.33	---	80.00	19.67	H	7.8
4800.000000	---	56.95	60.00	3.05	H	7.8
5190.000000	102.48	---	---	---	H	9.6
5190.000000	---	94.27	---	---	H	9.6

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac40 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



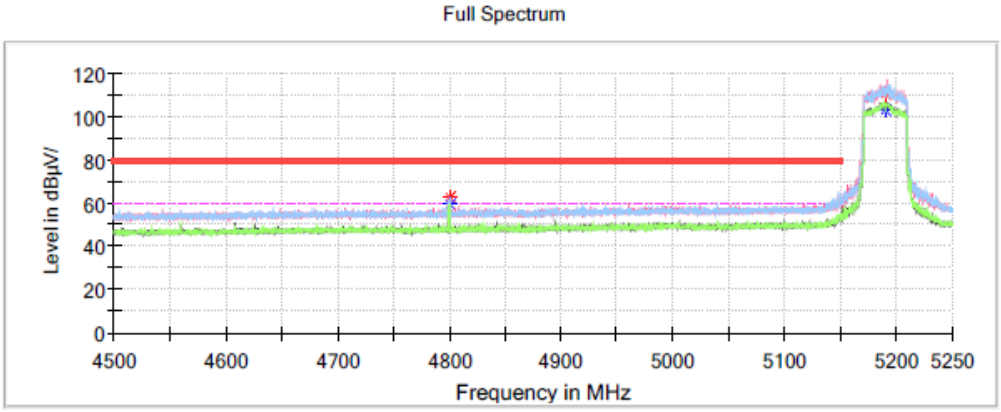
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5231.406000	---	105.64	---	---	H	9.7
5231.406000	113.67	---	---	---	H	9.7
5434.611000	---	53.38	60.00	6.62	V	10.6
5434.611000	57.65	---	80.00	22.35	V	10.6

802.11ax40 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax40 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8

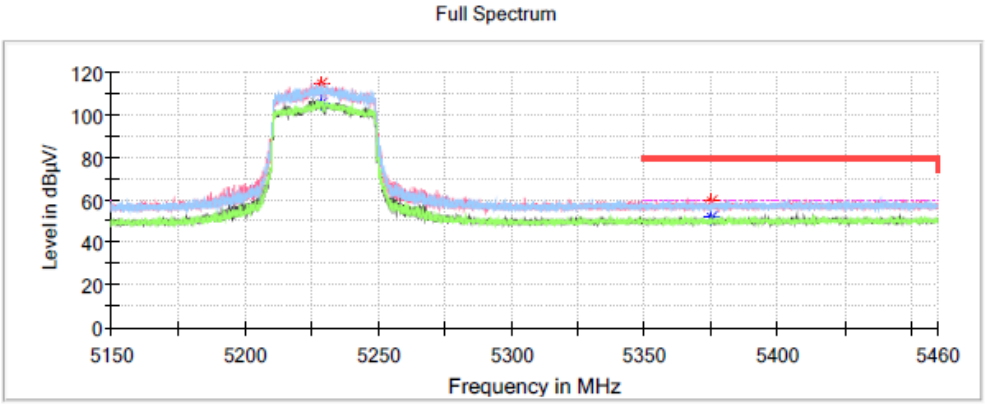


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	63.02	---	80.00	16.98	H	7.8
4800.000000	---	59.69	60.00	0.31	H	7.8
5190.000000	110.66	---	---	---	V	9.6
5190.000000	---	103.15	---	---	V	9.6

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax40 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



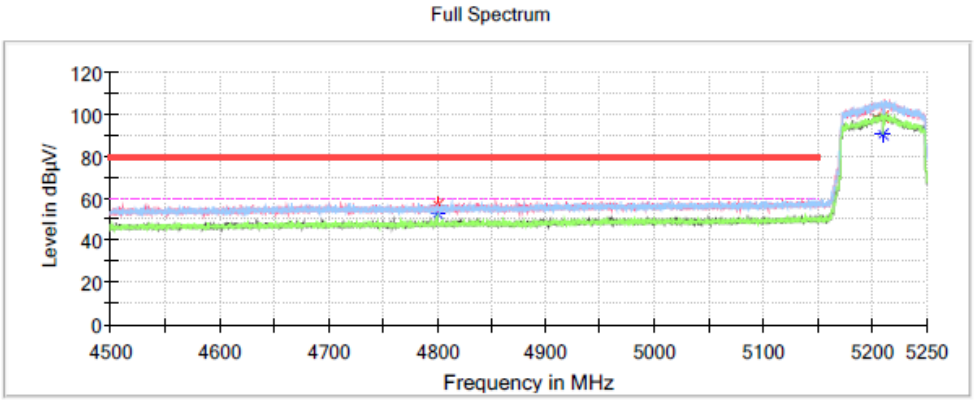
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5229.112000	---	106.07	---	---	H	9.7
5229.112000	114.65	---	---	---	H	9.7
5375.153000	---	52.33	60.00	7.67	V	10.3
5375.153000	59.28	---	80.00	20.72	V	10.3

802.11ac80 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac80 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8

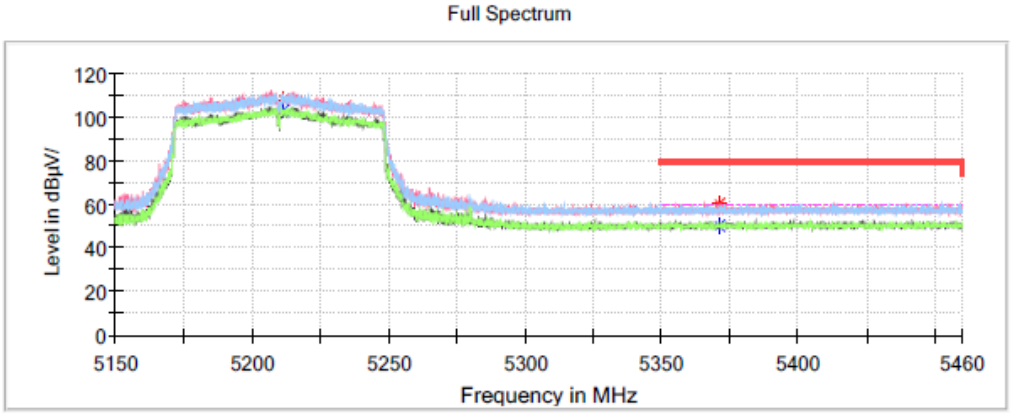


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4800.000000	56.83	---	80.00	23.17	H	7.8
4800.000000	---	52.53	60.00	7.47	H	7.8
5210.025000	99.02	---	---	---	V	9.7
5210.025000	---	90.94	---	---	V	9.7

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac80 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



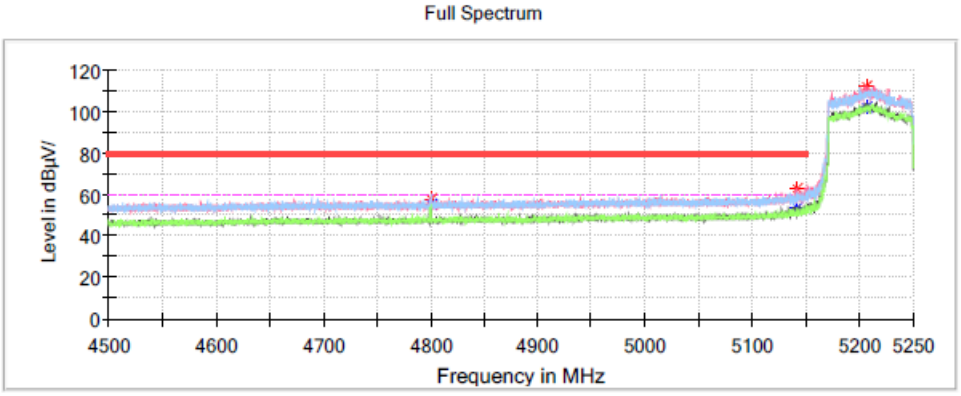
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5211.194000	---	103.18	---	---	V	9.7
5211.194000	108.52	---	---	---	V	9.7
5371.061000	---	50.01	60.00	9.99	V	10.3
5371.061000	60.08	---	80.00	19.92	V	10.3

802.11ax80 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax80 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8

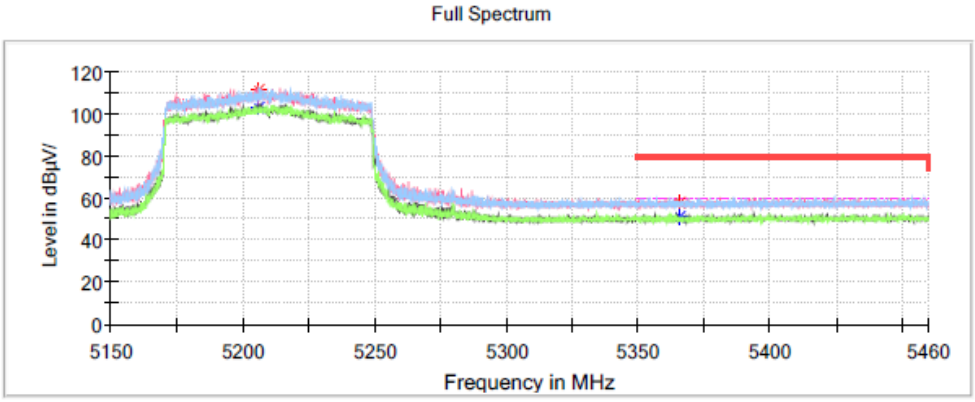


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4799.925000	58.25	---	80.00	21.75	H	7.8
4799.925000	---	55.18	60.00	4.82	H	7.8
5141.175000	63.10	---	80.00	16.90	V	9.4
5141.175000	---	53.73	60.00	6.27	V	9.4
5206.050000	---	102.76	---	---	V	9.6
5206.050000	112.31	---	---	---	V	9.6

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax80 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.6kPa
Test Engineer:	Peter Wang
Test Date	2024/3/8



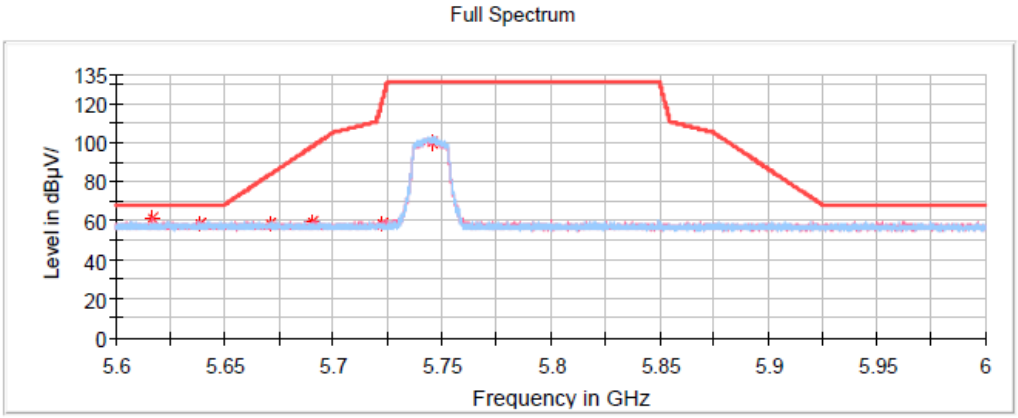
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5205.800000	---	103.28	---	---	V	9.6
5205.800000	111.98	---	---	---	V	9.6
5365.605000	---	51.41	60.00	8.59	V	10.3
5365.605000	57.78	---	80.00	22.22	H	10.3

Band edge Emissions Test (5725-5850MHz Band):
NOTE: Test distance is 3m.
802.11a Mode:
Chain 0:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.0kPa
Test Engineer:	Peter Wang
Test Date	2024/3/6

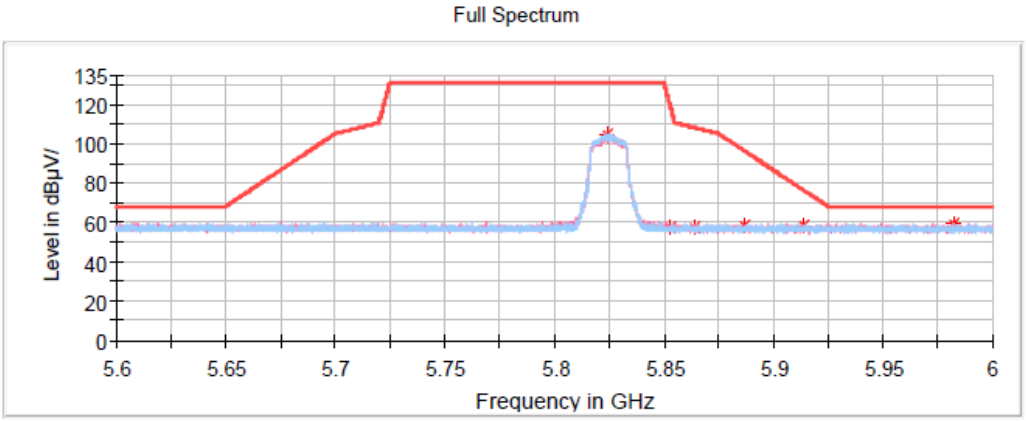


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5616.760000	61.19	---	68.20	7.01	V	10.7
5639.000000	58.99	---	68.20	9.21	V	10.7
5670.800000	58.59	---	83.59	25.00	V	10.6
5690.200000	59.69	---	97.95	38.26	V	10.6
5745.680000	100.53	---	---	---	V	10.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.0kPa
Test Engineer:	Peter Wang
Test Date	2024/3/6



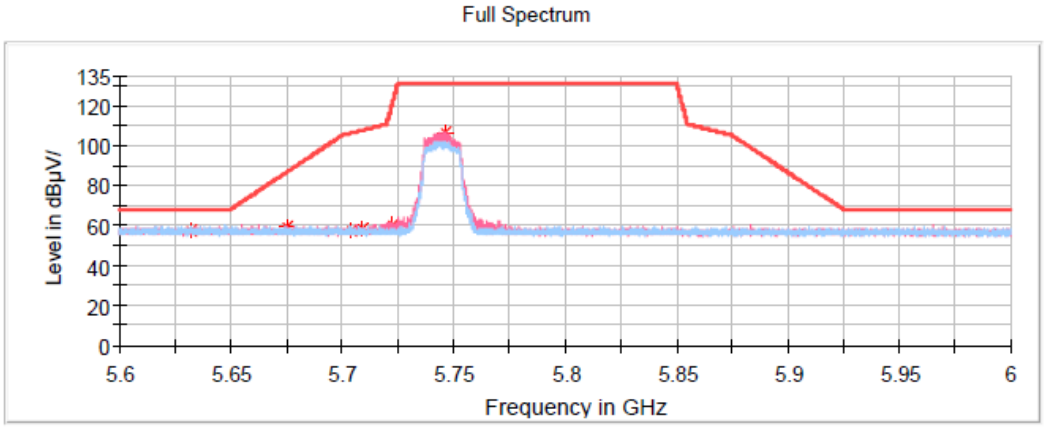
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5824.040000	105.15	---	---	---	H	10.4
5863.760000	57.22	---	108.35	51.13	V	10.4
5886.320000	58.11	---	96.82	38.71	V	10.3
5914.120000	58.69	---	76.25	17.56	V	10.3
5982.320000	59.02	---	68.20	9.18	V	10.2

Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.0kPa
Test Engineer:	Peter Wang
Test Date	2024/3/6

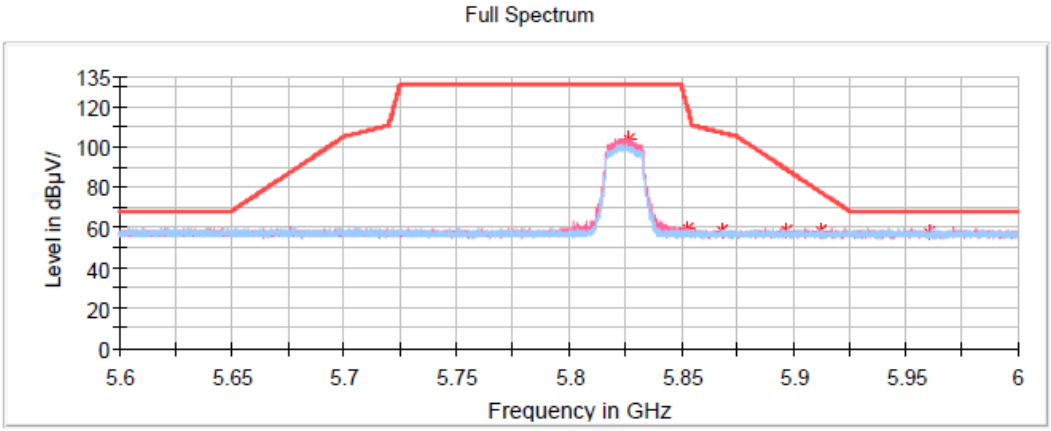


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5632.000000	57.62	---	68.20	10.58	V	10.7
5675.320000	59.10	---	86.94	27.84	V	10.6
5704.000000	57.75	---	106.32	48.57	H	10.6
5709.000000	58.65	---	107.72	49.07	H	10.6
5746.040000	106.80	---	---	---	V	10.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11a Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.0kPa
Test Engineer:	Peter Wang
Test Date	2024/3/6



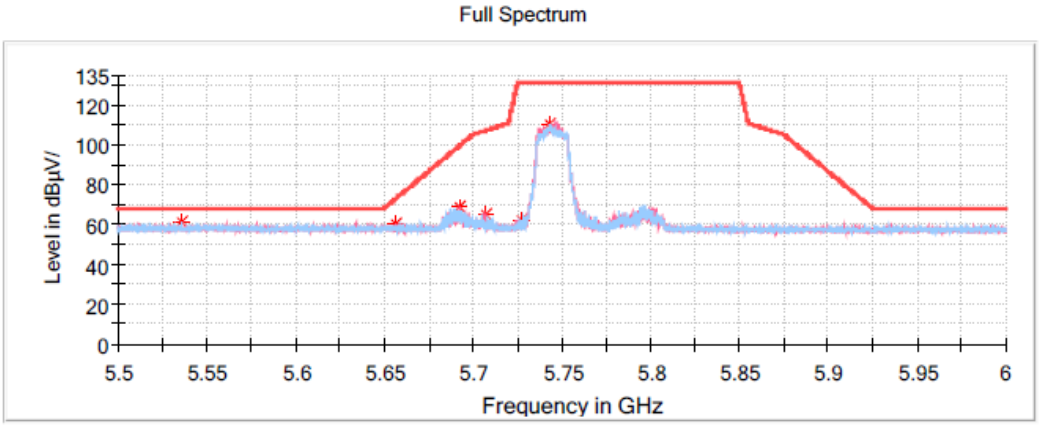
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5826.440000	103.56	---	---	---	V	10.4
5868.200000	58.20	---	107.10	48.90	V	10.4
5896.840000	58.34	---	89.04	30.70	V	10.3
5912.040000	58.61	---	77.79	19.18	H	10.3
5960.520000	57.83	---	68.20	10.37	H	10.2

802.11ac20 Mode:
Chain 0 + Chain 1

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac20 Mode
Standard:	RSS-GEN & RSS-247
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7

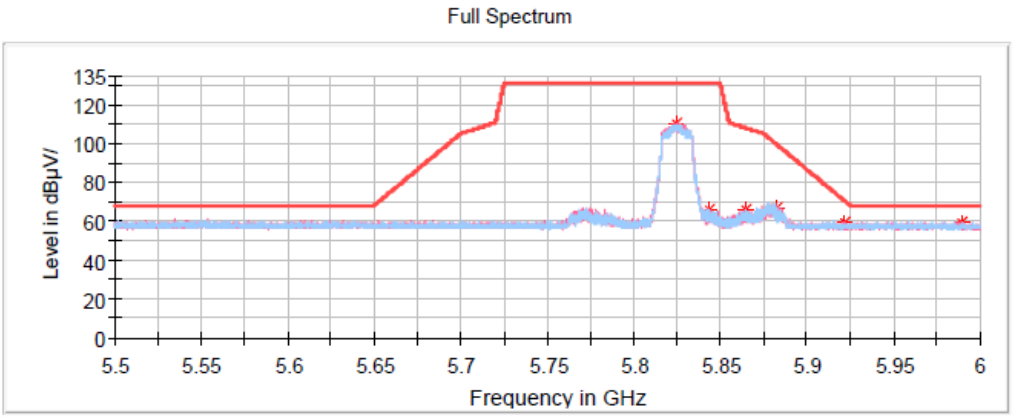


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5535.950000	61.18	---	68.20	7.02	H	10.8
5656.550000	60.22	---	73.05	12.83	V	10.6
5692.750000	68.60	---	99.84	31.23	V	10.6
5707.200000	65.36	---	107.22	41.86	V	10.6
5727.250000	62.29	---	---	---	H	10.5
5743.600000	110.08	---	---	---	H	10.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac20 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



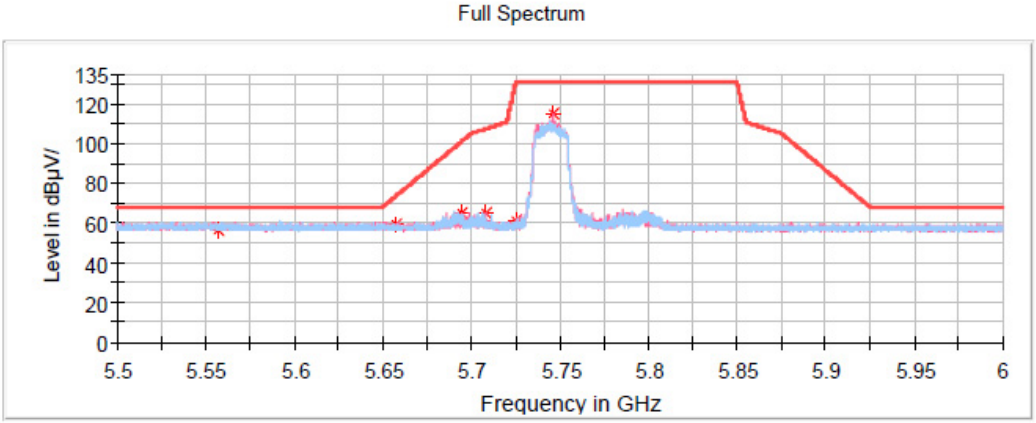
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5824.550000	110.46	---	---	---	V	10.4
5864.400000	66.04	---	108.17	42.13	H	10.4
5882.200000	66.92	---	99.87	32.96	H	10.3
5921.350000	59.60	---	70.90	11.30	V	10.3
5989.850000	59.63	---	68.20	8.57	H	10.2

802.11ax20 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax20 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



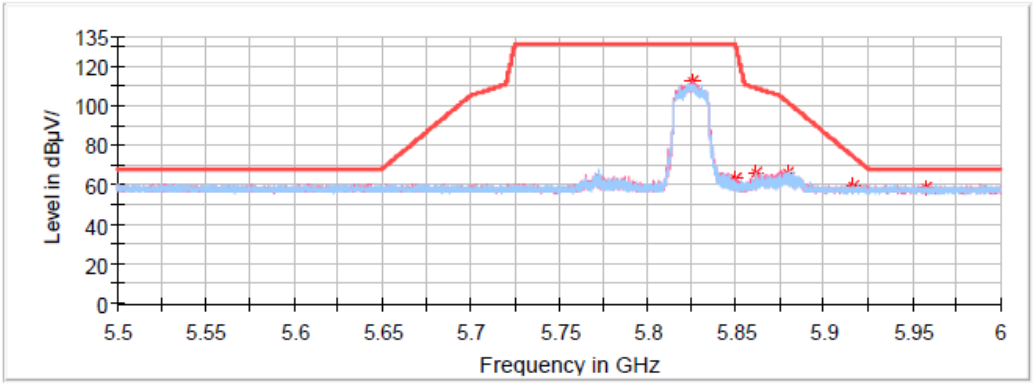
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5556.950000	57.07	---	68.20	11.13	V	10.8
5657.550000	59.30	---	73.79	14.49	V	10.6
5694.400000	64.89	---	101.06	36.16	V	10.6
5707.850000	65.23	---	107.40	42.17	V	10.6
5745.800000	114.85	---	---	---	V	10.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax20 Mode
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7

Full Spectrum



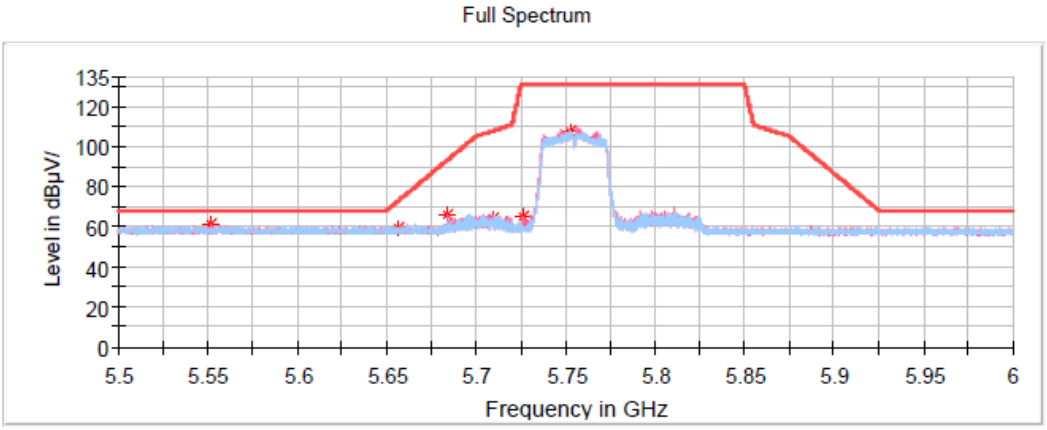
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5861.750000	65.62	---	108.91	43.29	H	10.4
5879.500000	66.40	---	101.87	35.47	V	10.3
5916.450000	59.41	---	74.53	15.12	H	10.3
5957.600000	58.89	---	68.20	9.31	V	10.2

802.11ac40 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac40 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



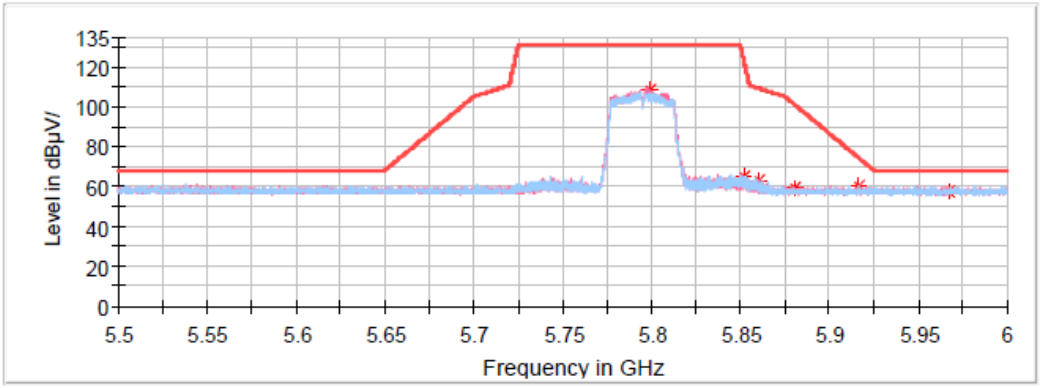
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5552.050000	60.90	---	68.20	7.30	V	10.8
5656.650000	59.43	---	73.12	13.69	H	10.6
5684.250000	66.14	---	93.54	27.41	V	10.6
5709.650000	64.11	---	107.90	43.79	V	10.6
5752.700000	107.47	---	---	---	H	10.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ac40 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7

Full Spectrum



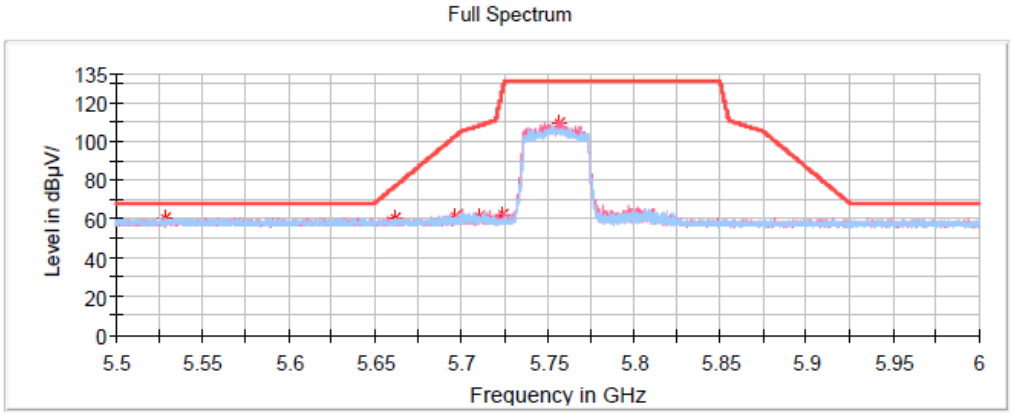
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5860.000000	63.59	---	109.40	45.81	V	10.4
5880.350000	59.56	---	101.24	41.68	V	10.3
5916.600000	60.54	---	74.42	13.88	H	10.3
5967.050000	57.91	---	68.20	10.29	V	10.2

802.11ax40 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax40 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7

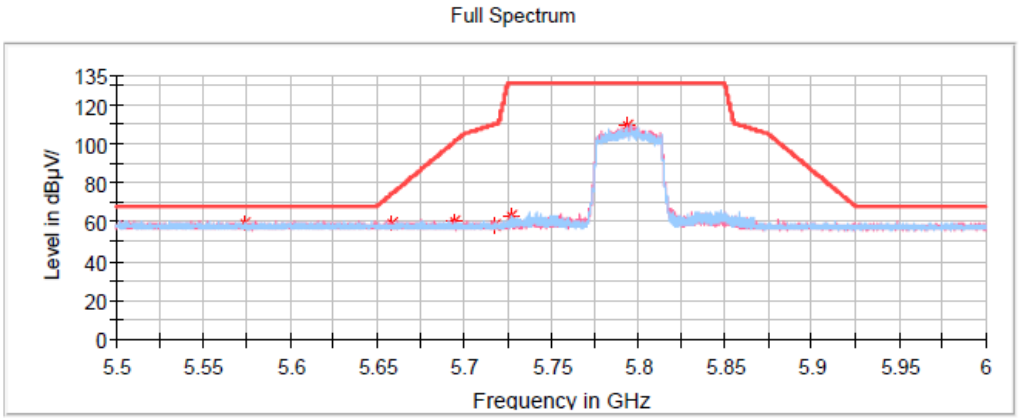


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5529.050000	60.25	---	68.20	7.95	H	10.8
5661.400000	60.25	---	76.64	16.39	H	10.6
5696.350000	61.51	---	102.50	40.99	V	10.6
5709.850000	61.83	---	107.96	46.12	V	10.6
5756.650000	109.85	---	---	---	V	10.5

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax40 Mode
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



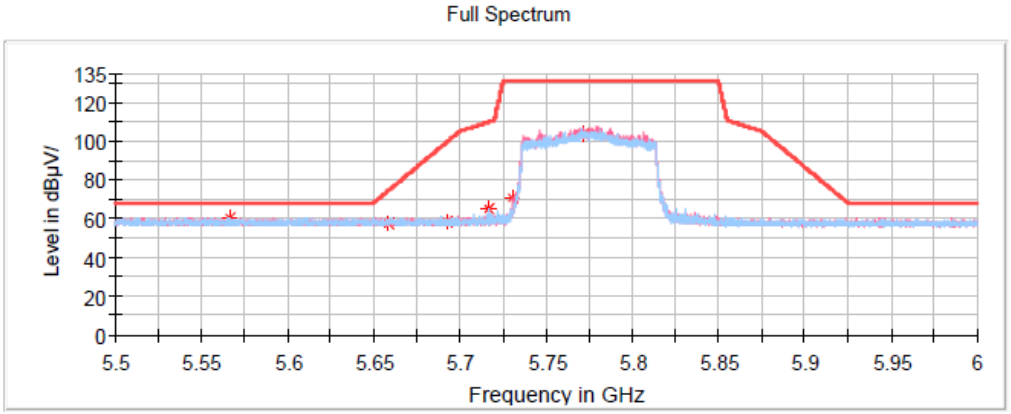
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5574.250000	59.06	---	68.20	9.14	H	10.7
5658.450000	59.78	---	74.45	14.68	V	10.6
5694.900000	60.12	---	101.43	41.30	V	10.6
5717.900000	58.95	---	110.21	51.27	V	10.6

802.11ac80 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax80 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3°C
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



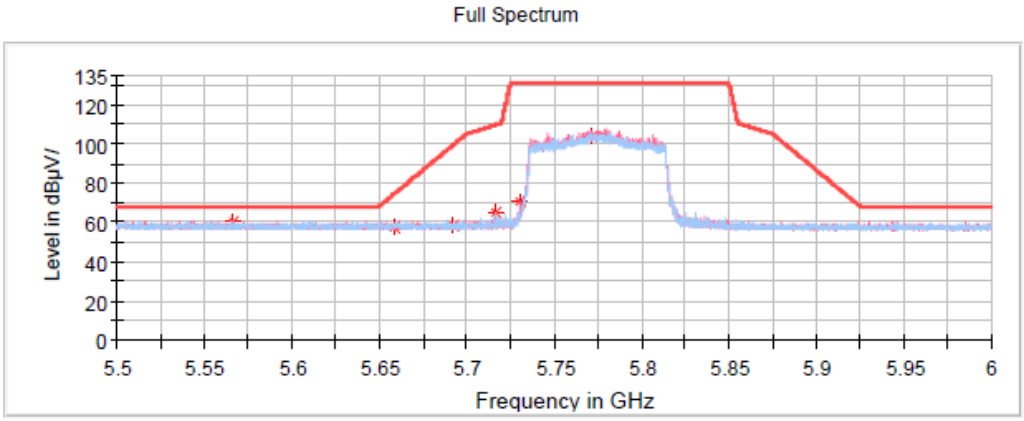
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5566.200000	60.79	---	68.20	7.41	H	10.8
5658.550000	58.02	---	74.53	16.50	V	10.6
5692.050000	58.84	---	99.32	40.47	V	10.6
5716.550000	65.09	---	109.83	44.74	H	10.6
5772.100000	104.10	---	---	---	V	10.5

802.11ax80 Mode:
Chain 0 + Chain 1:

Common Information

Project No.:	RKSA240119004
EUT Model:	EAP600
Test Mode:	802.11ax80 Mode
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Temperature:	20.3℃
Humidity:	52%
Atmospheric pressure:	102.5kPa
Test Engineer:	Peter Wang
Test Date	2024/3/7



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5566.200000	60.79	---	68.20	7.41	H	10.8
5658.550000	58.02	---	74.53	16.50	V	10.6
5692.050000	58.84	---	99.32	40.47	V	10.6
5716.550000	65.09	---	109.83	44.74	H	10.6
5772.100000	104.10	---	---	---	V	10.5