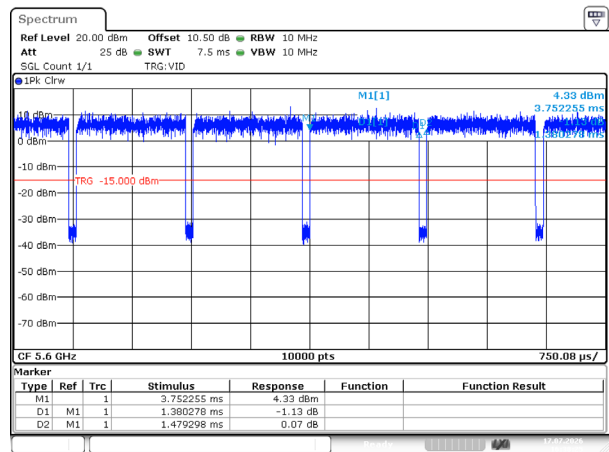


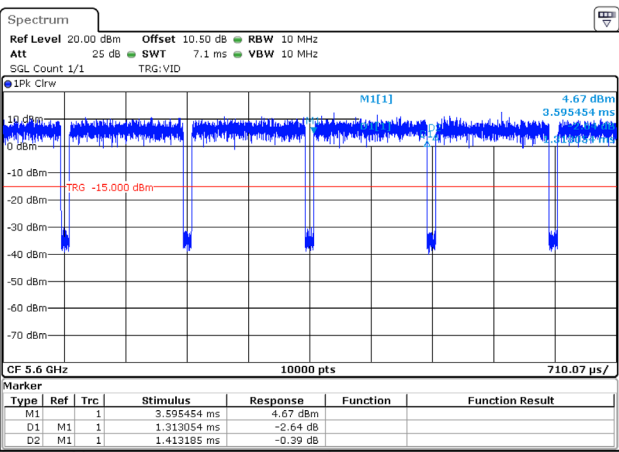
5470MHz-5725MHz Band:

802.11a mode



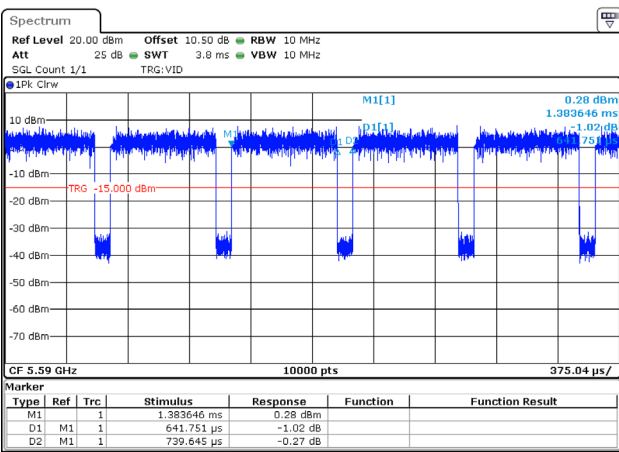
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 16:38:25

802.11ac20 mode



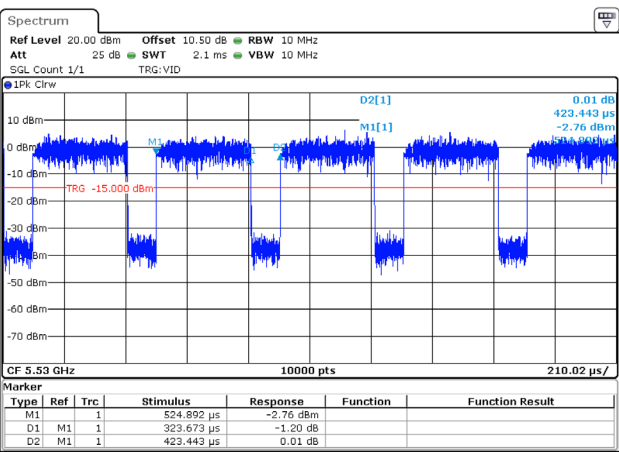
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 17:02:17

802.11ac40 mode



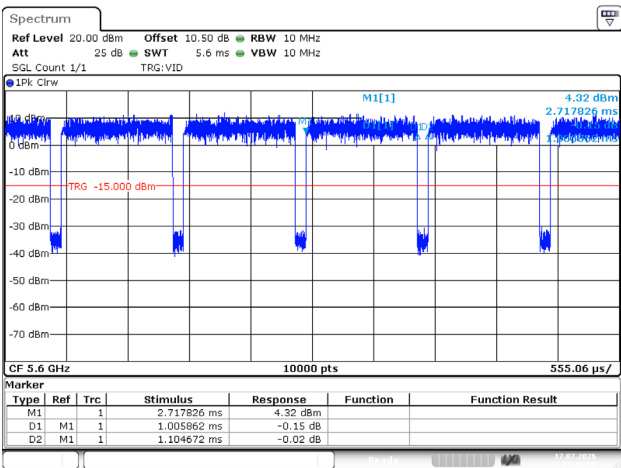
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 17:12:45

802.11ac80 mode



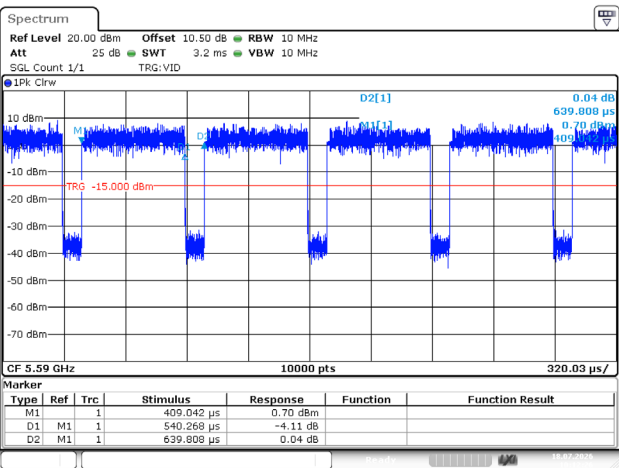
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 17:23:07

802.11ax20 mode



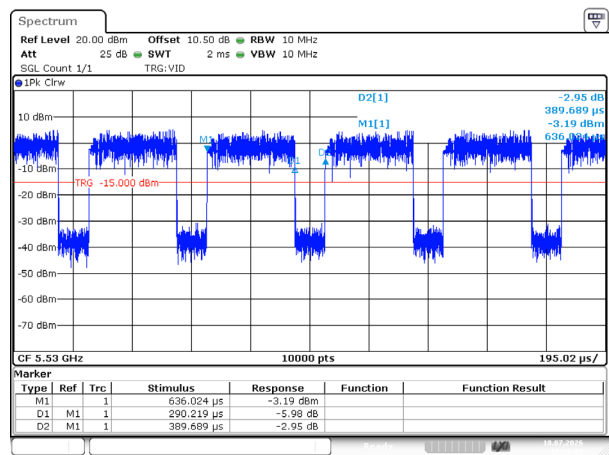
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 17:43:55

802.11ax40 mode



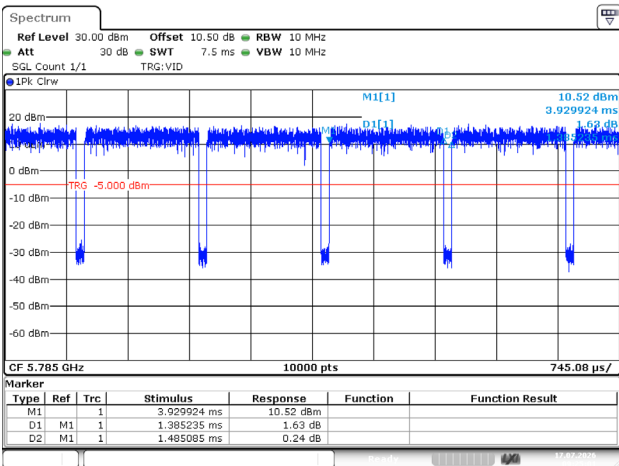
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 18.JUL.2026 10:12:26

802.11ax80 mode



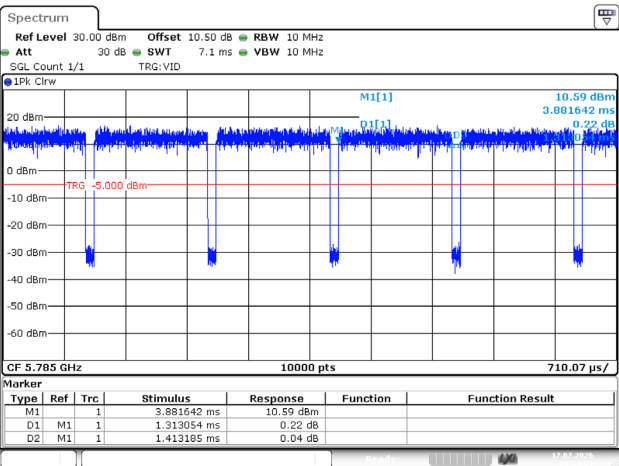
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 18.JUL.2026 10:26:10

5725MHz-5850MHz Band:
802.11a mode



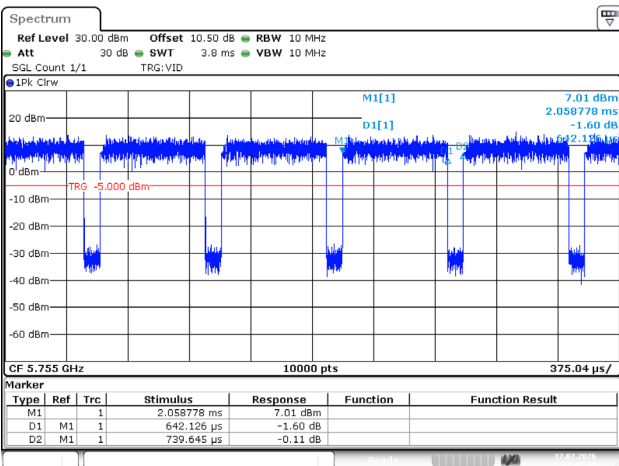
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Date: 17.JUL.2026 09:25:01

802.11ac20 mode



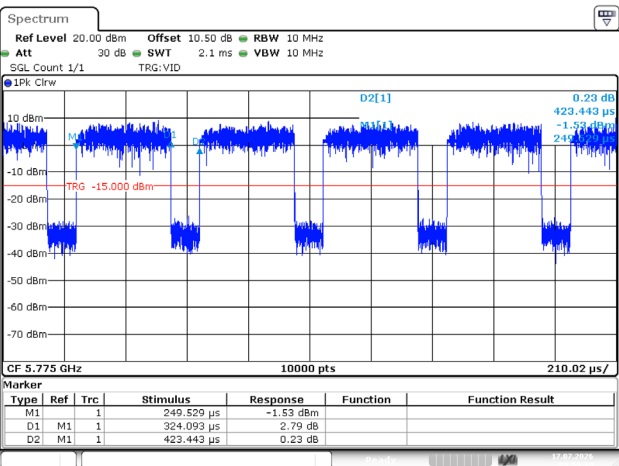
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 09:34:01

802.11ac40 mode



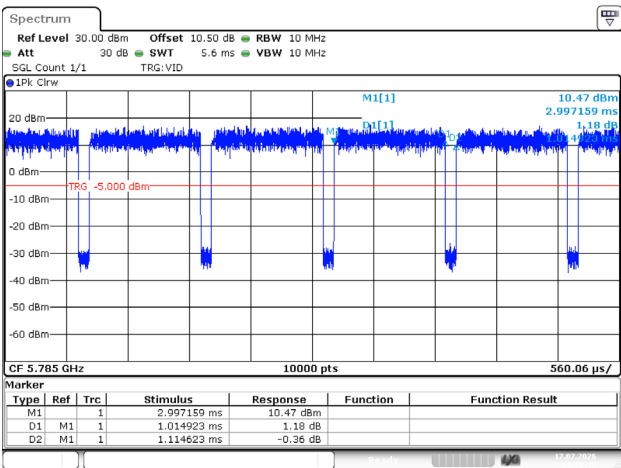
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Date: 17.JUL.2026 09:42:45

802.11ac80 mode



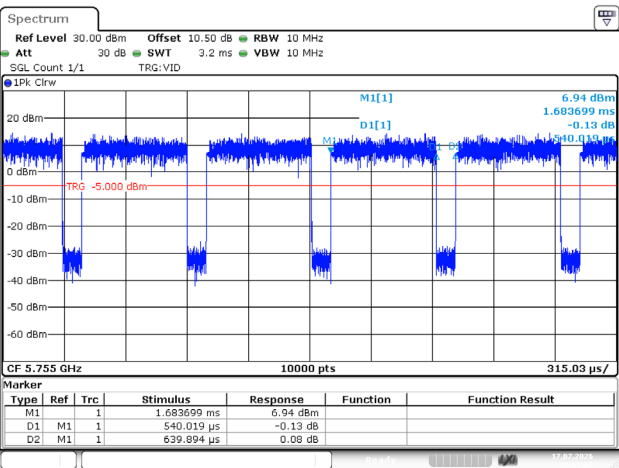
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 09:50:14

802.11ax20 mode



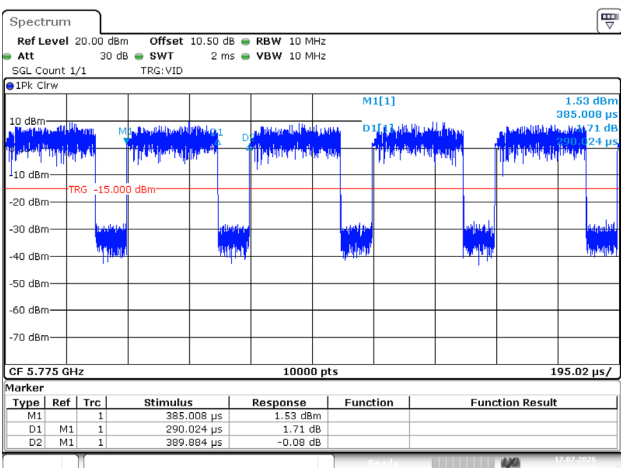
ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 09:58:19

802.11ax40 mode



ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 10:05:07

802.11ax80 mode



ProjectNo.:RKSA260622001 Tester:Neil Zhou
Date: 17.JUL.2026 10:11:34

Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

5150MHz-5250MHz:

Mode	Frequency (MHz)	Chain 0				Chain1			
		Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5200	1.385	1.485	93.27	0.30	1.385	1.485	93.27	0.30
802.11ac20	5200	1.304	1.403	92.94	0.32	1.304	1.403	92.94	0.32
802.11ac40	5190	0.642	0.740	86.76	0.62	0.642	0.740	86.76	0.62
802.11ac80	5210	0.324	0.423	76.60	1.16	0.324	0.423	76.60	1.16
802.11ax20	5200	1.015	1.115	91.03	0.41	1.015	1.115	91.03	0.41
802.11ax40	5190	0.541	0.640	84.53	0.73	0.540	0.640	84.38	0.74
802.11ax80	5210	0.290	0.390	74.36	1.29	0.290	0.390	74.36	1.29

5250MHz-5350MHz:

Mode	Frequency (MHz)	Chain 0				Chain1			
		Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5300	1.385	1.484	93.33	0.30	1.380	1.479	93.31	0.30
802.11ac20	5300	1.312	1.413	92.85	0.32	1.313	1.413	92.92	0.32
802.11ac40	5270	0.642	0.740	86.76	0.62	0.642	0.740	86.76	0.62
802.11ac80	5290	0.324	0.423	76.60	1.16	0.324	0.423	76.60	1.16
802.11ax20	5300	1.016	1.115	91.12	0.40	1.006	1.105	91.04	0.41
802.11ax40	5270	0.540	0.640	84.38	0.74	0.540	0.640	84.38	0.74
802.11ax80	5290	0.290	0.390	74.36	1.29	0.290	0.390	74.36	1.29

5470MHz-5725MHz:

Mode	Frequency (MHz)	Chain 0				Chain1			
		Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5600	1.380	1.479	93.31	0.30	1.380	1.479	93.31	0.30
802.11ac20	5600	1.312	1.412	92.92	0.32	1.313	1.413	92.92	0.32
802.11ac40	5590	0.641	0.740	86.62	0.62	0.642	0.740	86.76	0.62
802.11ac80	5530	0.324	0.423	76.60	1.16	0.324	0.423	76.60	1.16
802.11ax20	5600	1.015	1.115	91.03	0.41	1.006	1.105	91.04	0.41
802.11ax40	5590	0.541	0.640	84.53	0.73	0.540	0.640	84.38	0.74
802.11ax80	5530	0.290	0.390	74.36	1.29	0.290	0.390	74.36	1.29

5725MHz-5850MHz:

Mode	Frequency (MHz)	Chain 0				Chain1			
		Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5785	1.385	1.484	93.33	0.30	1.385	1.485	93.27	0.30
802.11ac20	5785	1.304	1.403	92.94	0.32	1.313	1.413	92.92	0.32
802.11ac40	5755	0.642	0.740	86.76	0.62	0.642	0.740	86.76	0.62
802.11ac80	5775	0.323	0.423	76.36	1.17	0.324	0.423	76.60	1.16
802.11ax20	5785	1.015	1.115	91.03	0.41	1.015	1.115	91.03	0.41
802.11ax40	5755	0.540	0.640	84.38	0.74	0.540	0.640	84.38	0.74
802.11ax80	5775	0.290	0.390	74.36	1.29	0.290	0.390	74.36	1.29

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

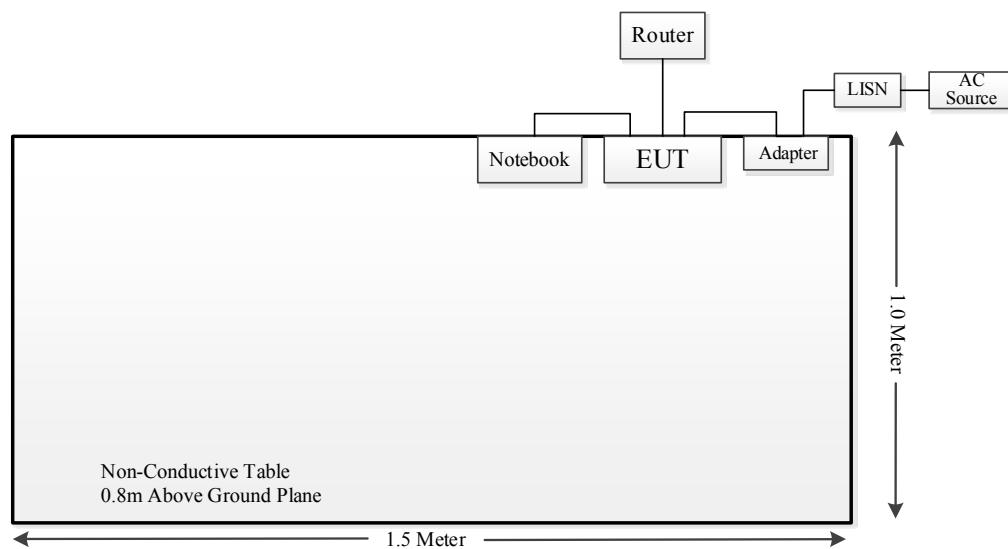
Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5
TP-LINK	Router	TL-XDR3010	/

External I/O Cable

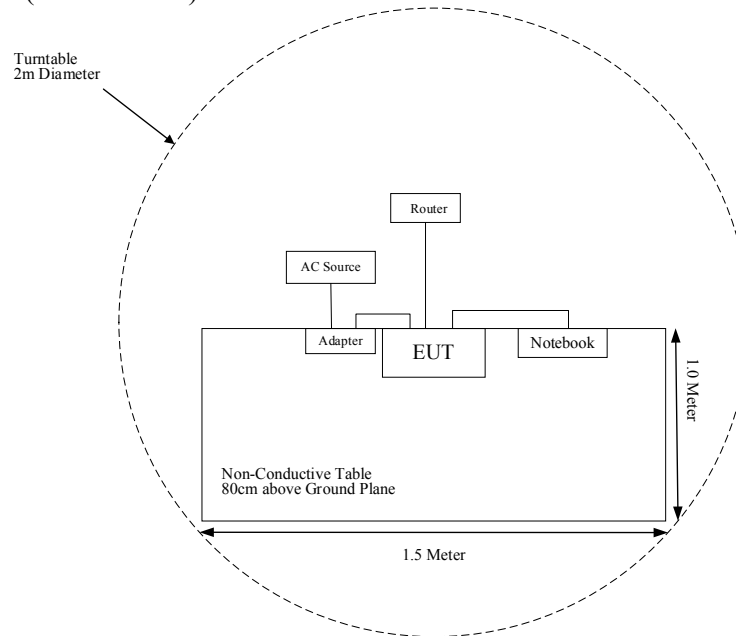
Cable Description	Length (m)	From Port	To Port
USB Cable	1.5	EUT	Notebook
Power Cable 1	1.0	EUT	Adapter
Power Cable 2	1.0	Adapter	AC Source/LISN
RJ45 Cable	5.0	EUT	Router

Block Diagram of Test Setup

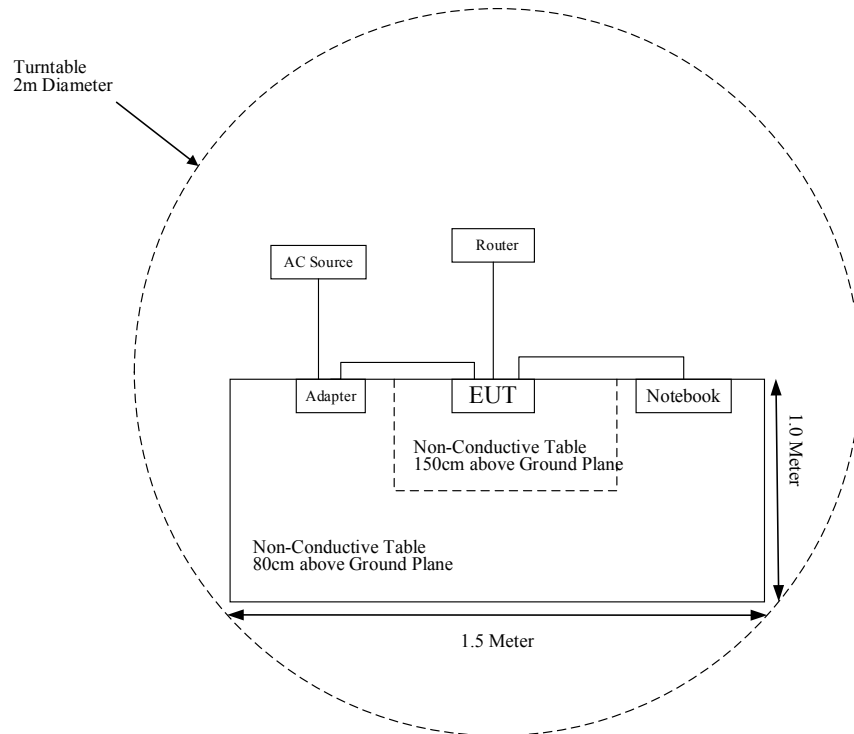
For Conducted Emissions:



For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1 GHz):



SUMMARY 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)	Undesirable Emission & Restricted Bands	Compliant
§§15.407(a) & §15.407(e)	Emission Bandwidth	Compliant
§15.407(a)	Conducted Transmitter Output Power	Compliant
§15.407(a)	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	2026-03-13	2027-03-12
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2024-10-29	2027-10-28
BACL	Active Loop Antenna	1313-1A	4041511	2025-08-10	2028-08-09
Narda	6 dB Attenuator	771-6	10690812-2-1	2024-10-29	2027-10-28
Sonoma Instrument	Amplifier	310N	171205	2026-03-13	2027-03-12
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-7	007	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-8	008	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-9	009	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2026-03-16	2027-03-15
EMCO	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
A.H.Systems,inc	Amplifier	PAM-0118P	512	2026-03-16	2027-03-15
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2026-03-16	2027-03-15
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
SELECTOR	Amplifier	EM18G40G	60726	2026-03-16	2027-03-15
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-25	025	2026-03-12	2027-03-11
MICRO-COAX	Coaxial Cable	Cable-11	011	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-12	012	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-13	013	2026-03-16	2027-03-15
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40-N	103298	2026-03-13	2027-03-12
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Anritsu	Power Sensor	MA24418A	12621	2026-03-13	2027-03-12
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2026-03-13	2027-03-12
Rohde & Schwarz	LISN	ENV216	101115	2026-03-12	2027-03-11
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2026-03-12	2027-03-11
MICRO-COAX	Coaxial Cable	Cable-15	015	2026-03-13	2027-03-12

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

Applicable Standard

According to subpart §2.1091 and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	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;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

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:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

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	2.93	1.96	26.0	398.11	20	0.1552	1.0
BLE	2402-2480	2.93	1.96	5.5	3.55	20	0.0014	1.0
BT	2402-2480	2.93	1.96	8.0	6.31	20	0.0025	1.0
5G WiFi	5150-5250	2.28	1.69	12.5	17.78	20	0.0060	1.0
	5250-5350	2.72	1.87	11	12.59	20	0.0047	1.0
	5470-5725	2.67	1.85	8.5	7.08	20	0.0026	1.0
	5725-5850	2.67	1.85	14.5	28.18	20	0.0104	1.0
NFC	13.56	/	/	-38.17	0.0002	20	<0.0001	0.98
NFC field strength is 57.03 dBμV/m = -38.17 dBm (0.0002mW) EIRP. That equal to antenna gain is 0 dBi and used the EIRP value as conducted power.								

Note:

1. For the above tune up power were declared by the manufacturer.
2. Note: E[dBμV/m] = EIRP[dBm] + 95.2 for d = 3 m.
3. The BT, BLE, Wi-Fi and NFC can be transmitting simultaneously, So

$$\sum_i \frac{S_i}{S_{Limit,i}} = 0.1552 + 0.0025 + 0.0001 = 0.1578 < 1.0$$

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

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

Antenna permanently attached to the unit. fulfill the requirement of this section. Please refer to the EUT photos.

Antenna Type	Frequency Range	Max. Antenna Gain	Input impedance
FPC antenna	5150~5250 MHz	Chain 0: 2.28 dBi Chain 1: 2.28 dBi	50Ω
	5250~5350 MHz	Chain 0: 2.72 dBi Chain 1: 2.72 dBi	50Ω
	5470~5725 MHz	Chain 0: 2.67 dBi Chain 1: 2.67 dBi	50Ω
	5725~5850 MHz	Chain 0: 2.67 dBi Chain 1: 2.67 dBi	50Ω

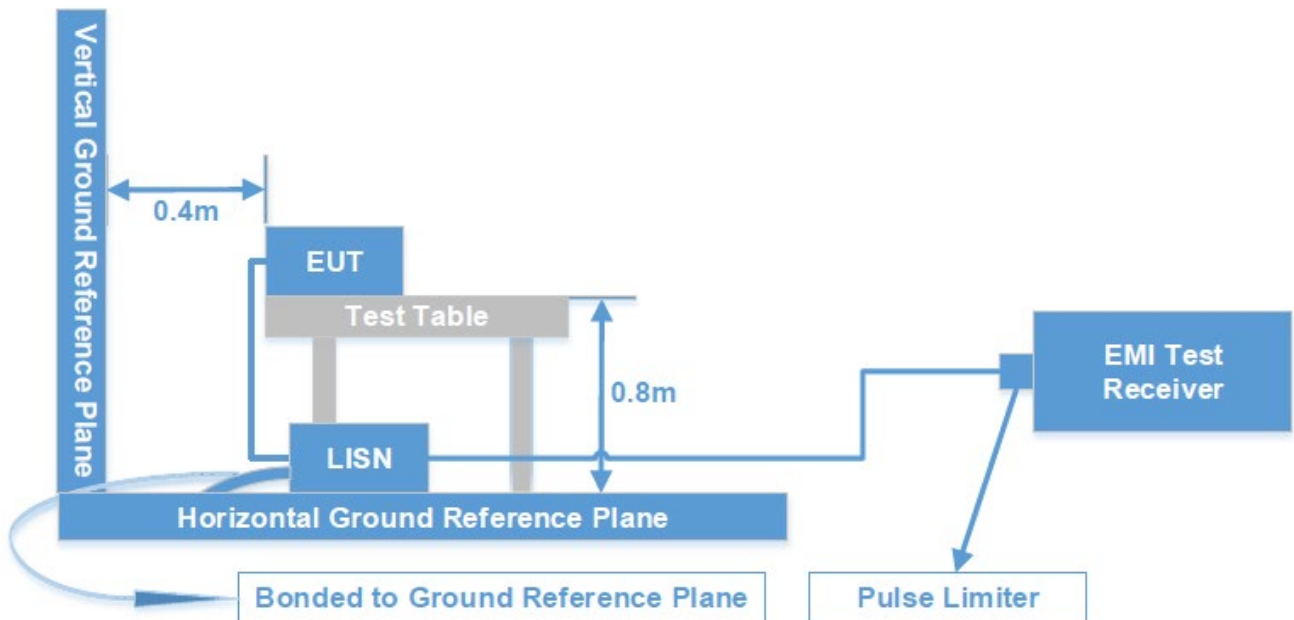
Result: Compliant.

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 C63.10-2020 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

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

Frequency Range	RBW
150 kHz - 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the EUT or adapter 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:

$$\begin{aligned}\text{Factor (dB)} &= \text{LISN VDF (dB)} + \text{Cable Loss (dB)} + \text{Transient Limiter Attenuation (dB)} \\ \text{Level (dB}\mu\text{V)} &= \text{Read level (dB}\mu\text{V)} + \text{Factor (dB)}\end{aligned}$$

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:

$$\text{Over Limit (dB)} = \text{Level (dB}\mu\text{V)} - \text{Limit (dB}\mu\text{V)}$$

Test Results Summary

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

Test Data: See Appendix

FCC §15.205 & §15.209 & §15.407(B) – UNDESIRABLE EMISSION & RESTRICTED BANDS

Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) 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.

(2) For transmitters operating in the 5.25-5.35 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.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

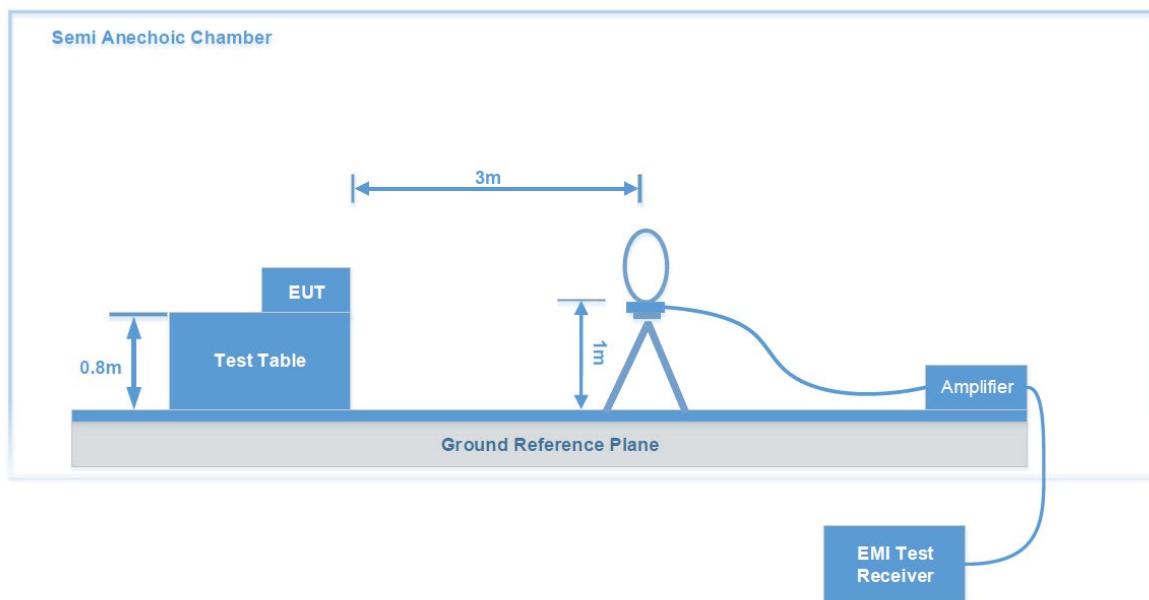
(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the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

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

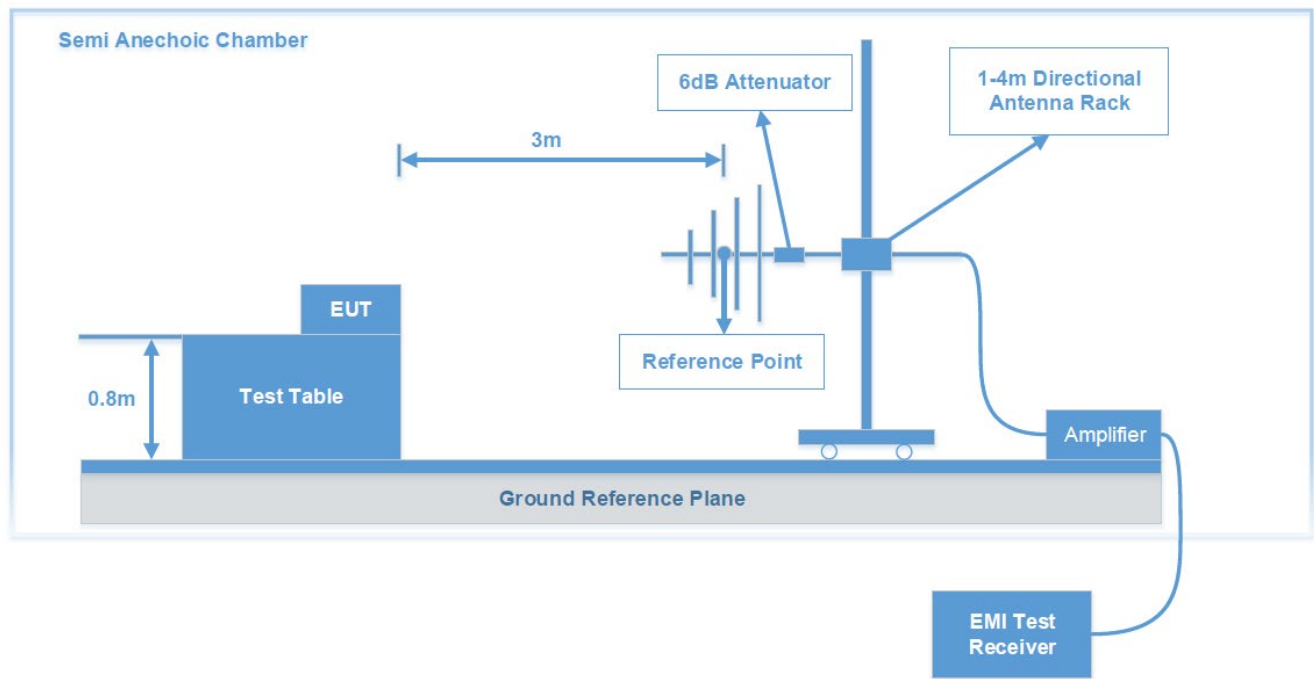
According to 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: $E [dB\mu V/m] = EIRP [dBm] + 95.2$, for $d = 3$ meters.

Test System Setup

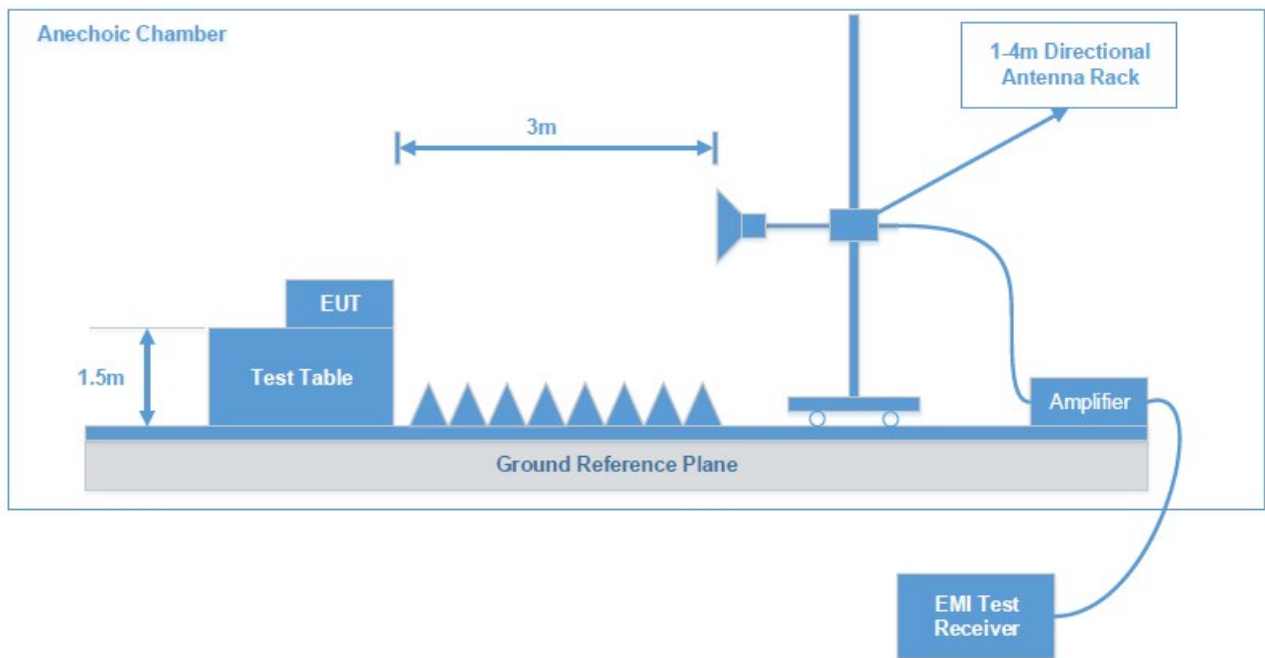
9kHz-30 MHz:



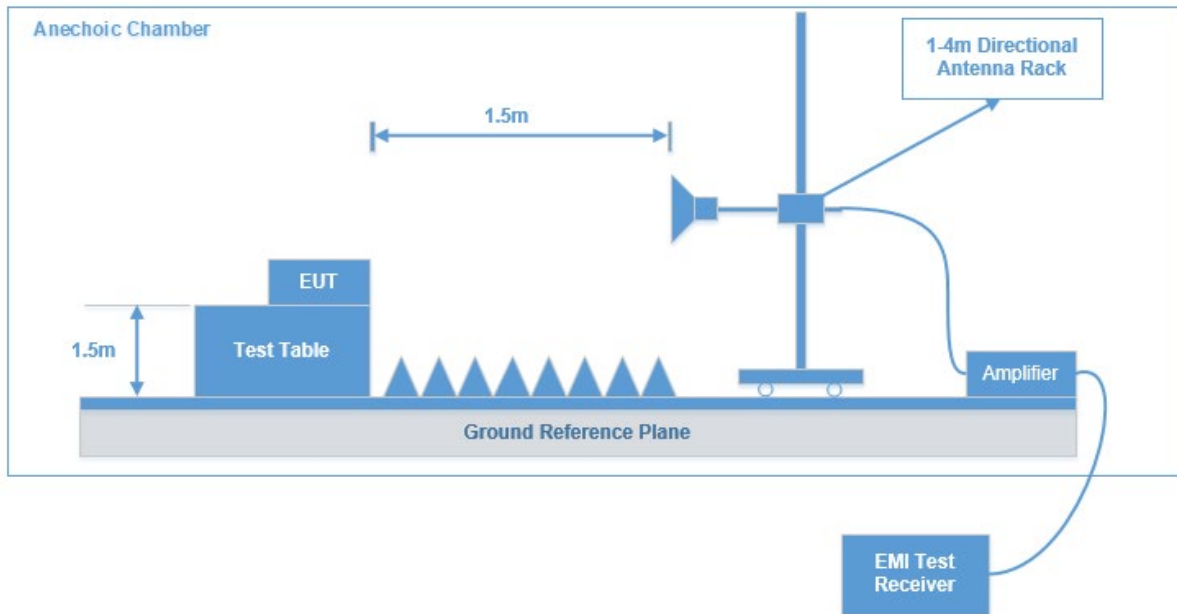
30MHz-1GHz:



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 C63.10-2020. The specification used was the FCC 15.209 and FCC 15.407 limits. According to ANSI C63.10 - 2020,9.2.1: For field strength measurements made at other than the distance specified by the limit, extrapolate the measured field strength to the field strength at the distance specified by the limit using an inverse distance correction factor (20 dB/decade of

$$E_{SpecLimit} = E_{Meas} + 20 \log \left(\frac{D_{Meas}}{D_{SpecLimit}} \right)$$

distance)

Where

- $E_{SpecLimit}$ is the field strength of the emission at the distance specified by the limit, in dBuV/m
- E_{Meas} is the field strength of the emission at the measurement distance, in dBuV/m
- D_{Meas} is the measurement distance, in m
- $D_{SpecLimit}$ is the distance specified by the limit, in m

So the extrapolation factor of 1m is $20 \cdot \log(1.5/3) = -6.0$ dB, for 18 - 40GHz range, the limit of 1.5m distance was added by 6.0dB from limit of 3m to compared with the result measurement at 1.5m distance.

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

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

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

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.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz -1 GHz, except 9-90 kHz, 110-490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

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.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

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:

$$\text{Corrected Amplitude (dB}\mu\text{V/m)} = \text{Meter Reading (dB}\mu\text{V)} + \text{Corrected factor (dB/m)}$$

$$\text{Corrected factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

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:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Corrected Amplitude (dB}\mu\text{V/m)}$$

Note: The QuasiPeak (dB μ V/m), MaxPeak (dB μ V/m), Average (dB μ V/m) which shown in the data table are all Corrected Amplitude.

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, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are 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

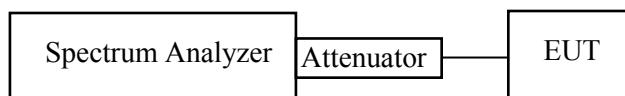
1. Emission Bandwidth (EBW)

- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max-hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

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:

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- 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.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Data: See Appendix

FCC §15.407(a) – CONDUCTED TRANSMITTER OUTPUT POWER

Applicable Standard

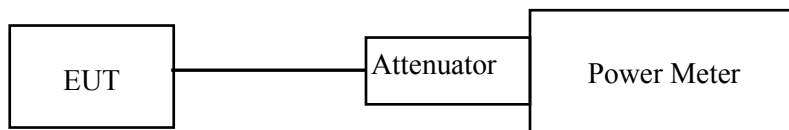
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 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

Method PM-G is measurement using a gated RF average power meter. Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.



Note: Offset (10.5dB) = Attenuator(10dB) + Cable loss(0.5dB)

Test Data: See Appendix

FCC §15.407(a) - POWER SPECTRAL DENSITY

Applicable Standard

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 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 colocated 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.

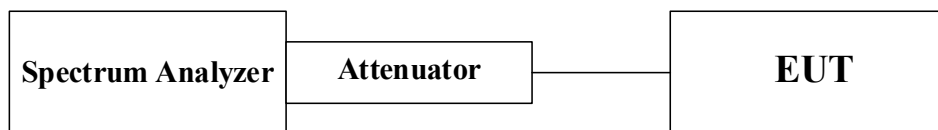
Test Procedure

The measurements are base on C63.10:2020

Duty cycle $\geq 98\%$,Method SA-1 should be applied.

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$,Method SA-2 should be applied.

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$,Method SA-3 should be applied.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Data: See Appendix

APPENDIX - TEST DATA

CONDUCTED EMISSIONS

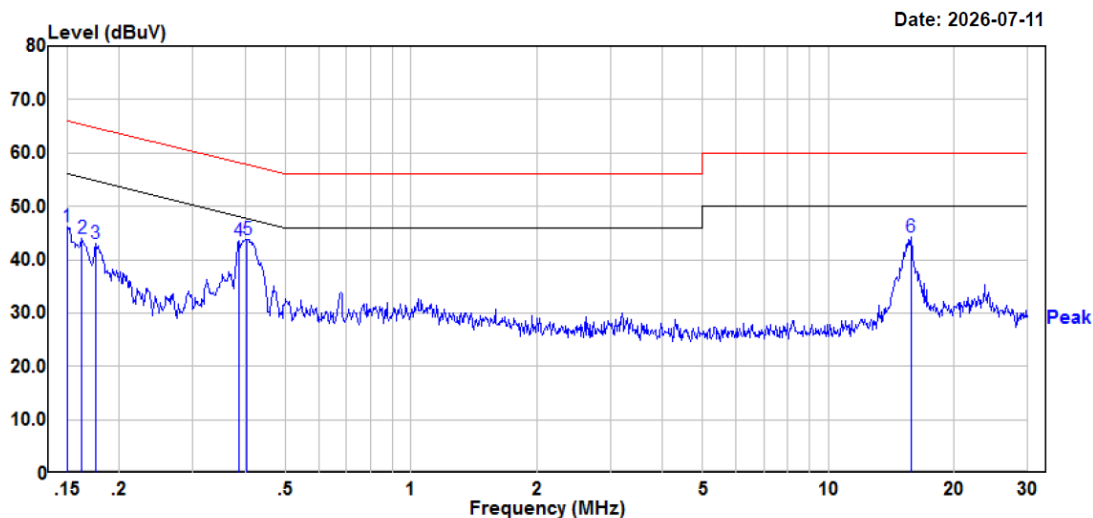
Environmental Conditions & Test Information

Test Date:	2026-07-11
Temperature:	25.4 °C
Relative Humidity:	52 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Aiden Feng

Configuration 1

EUT operation mode: Transmitting in Chain 0 + Chain 1 802.11ax40 mode 5795MHz (maximum output power)

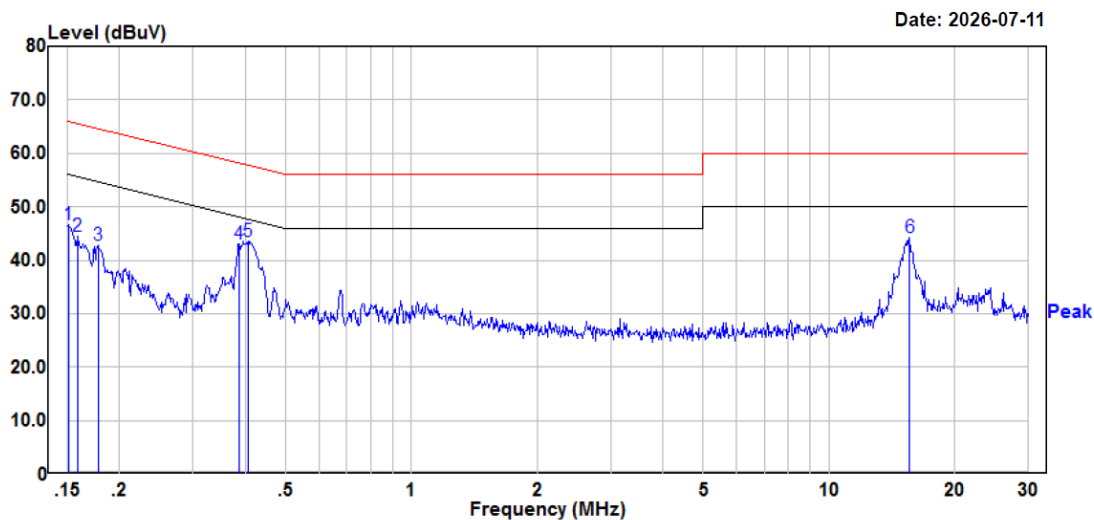
AC 120V/60 Hz, Line



Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA260622001
Model : SRP2504A
Phase : L
Voltage : 120V/60Hz
Mode : 5G WiFi
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz,Sweep Time: Auto
Temperature : 25.4℃
Humidity : 52%
Atmospheric pressure: 100.9kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

	Read		Limit	Over		
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.150	25.78	20.39	46.17	66.00	-19.83 Peak
2	0.162	23.54	20.39	43.93	65.34	-21.41 Peak
3	0.175	22.62	20.41	43.03	64.72	-21.69 Peak
4	0.387	23.06	20.40	43.46	58.13	-14.67 Peak
5	0.404	23.35	20.40	43.75	57.76	-14.01 Peak
6	15.772	23.75	20.52	44.27	60.00	-15.73 Peak

AC 120V/60 Hz, Neutral



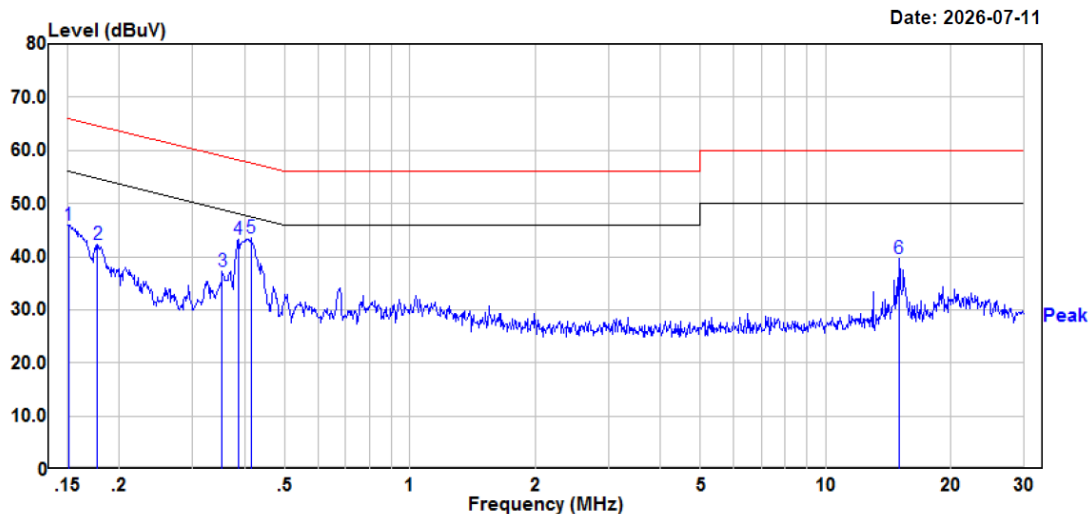
Site : CE
Condition : limit\FCC PART 15.207
Project No. : RKSA260622001
Model : SRP2504A
Phase : N
Voltage : 120V/60Hz
Mode : 5G WiFi
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz,Sweep Time: Auto
Temperature : 25.4℃
Humidity : 52%
Atmospheric pressure: 100.9kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.151	26.14	20.41	46.55	65.96	-19.41	Peak
2	0.158	24.12	20.41	44.53	65.54	-21.01	Peak
3	0.178	22.41	20.42	42.83	64.59	-21.76	Peak
4	0.387	22.73	20.41	43.14	58.13	-14.99	Peak
5	0.406	23.05	20.41	43.46	57.72	-14.26	Peak
6	15.615	23.67	20.53	44.20	60.00	-15.80	Peak

Configuration 2

EUT operation mode: Transmitting in Chain 0 + Chain 1 802.11ax40 mode 5795MHz (maximum output power)

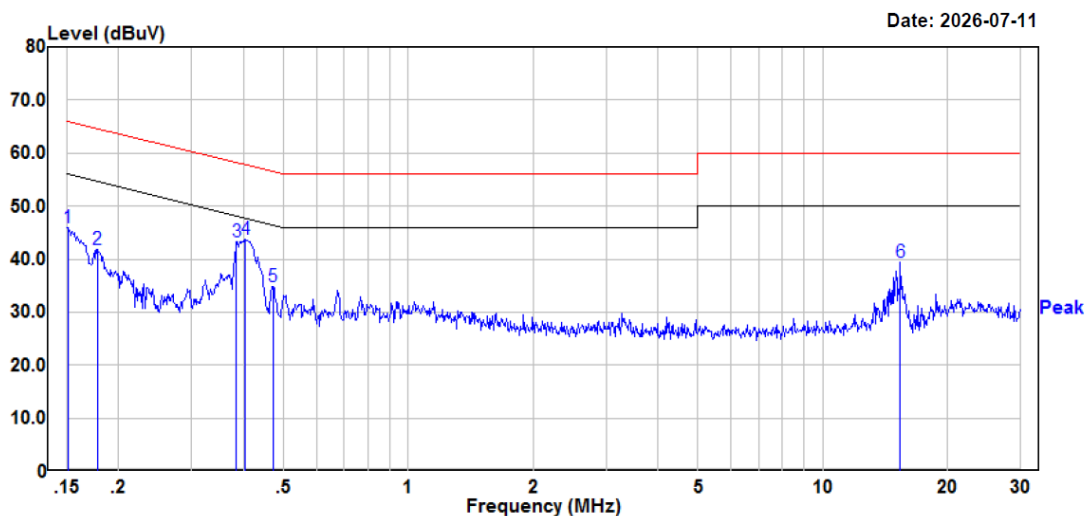
AC 120V/60 Hz, Line



Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA260622001
Model : SRP2504A
Phase : N
Voltage : 120V/60Hz
Mode : 5G WiFi
Test Equipment : ENV216, ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 25.4°C
Humidity : 52%
Atmospheric pressure: 100.9kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.151	25.59	20.41	46.00	65.96	-19.96	Peak
2	0.177	21.78	20.42	42.20	64.63	-22.43	Peak
3	0.354	16.85	20.42	37.27	58.88	-21.61	Peak
4	0.387	22.79	20.41	43.20	58.13	-14.93	Peak
5	0.415	22.99	20.41	43.40	57.55	-14.15	Peak
6	15.005	19.21	20.53	39.74	60.00	-20.26	Peak

AC 120V/60 Hz, Neutral



Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA260622001
Model : SRP2504A
Phase : L
Voltage : 120V/60Hz
Mode : 5G WiFi
Test Equipment : ENV216, ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 25.4°C
Humidity : 52%
Atmospheric pressure: 100.9kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.151	25.62	20.39	46.01	65.96	-19.95	Peak
2	0.178	21.39	20.41	41.80	64.59	-22.79	Peak
3	0.385	22.95	20.40	43.35	58.18	-14.83	Peak
4	0.404	23.32	20.40	43.72	57.76	-14.04	Peak
5	0.472	14.57	20.36	34.93	56.48	-21.55	Peak
6	15.384	18.99	20.52	39.51	60.00	-20.49	Peak

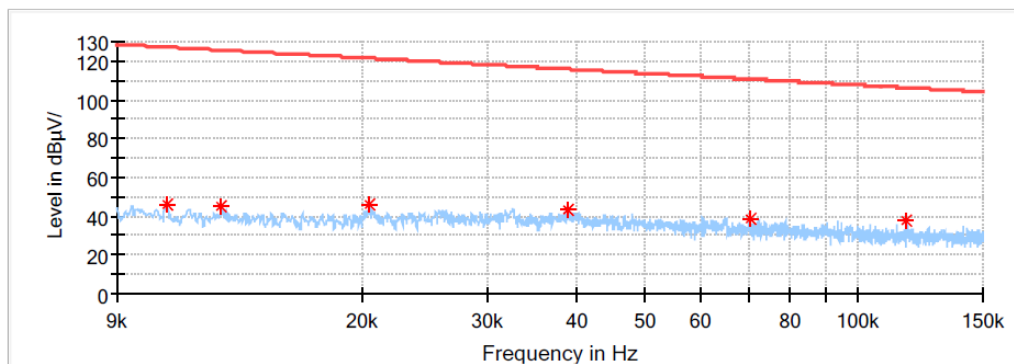
TRANSMITTER UNWANTED EMISSIONS & RESTRICTED FREQUENCY BANDS**Environmental Conditions & Test Information**

Test Item:	SPURIOUS EMISSIONS						
	9kHz – 30MHz	30MHz - 1GHz	1 GHz - 18 GHz				18 GHz - 40 GHz
Test Date:	2026-07-08	2026-07-08	2026-07-10	2026-07-11	2026-07-13	2026-07-14	2026-07-15
Temperature:	23.1 °C	23.1 °C	25.6°C	23.6°C	25.3°C	25.2°C	24.6 °C
Relative Humidity:	54 %	54 %	47%	41%	42%	51%	47 %
ATM Pressure:	100.6 kPa	100.6 kPa	100.9kPa	100.8kPa	100.1kPa	100.6kPa	100.6 kPa
Test Result:	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang	Destine Hu	Destine Hu	Destine Hu	Destine Hu	Hugh Wu

Configuration 1

*EUT operation mode: Transmitting***5150-5250MHz Band****9 kHz-30 MHz:****Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5200MHz (maximum output power)****Parallel(worst case)****9kHz -150kHz****Common Information**

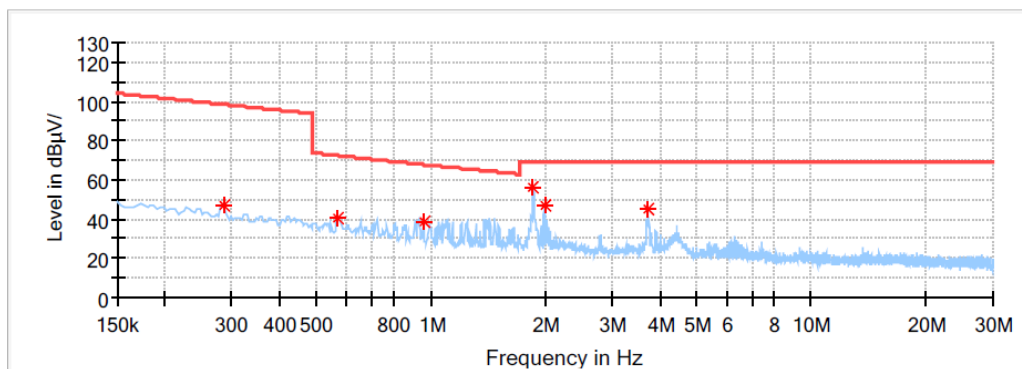
Project No:	RKSA260622001
EUT Model:	SRP2504A
Test Mode:	Transmitting in 5G Wi-Fi band1 MIMO 802.11ax20 mode Middle Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	23.1°C
Humidity:	54%
Barometric Pressure:	100.6kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.010586	45.93	127.08	81.15	Parallel	-0.2
0.012631	45.40	125.53	80.14	Parallel	-0.2
0.020456	46.07	121.38	75.31	Parallel	-0.1
0.038980	43.25	115.78	72.54	Parallel	-1.5
0.070264	39.18	110.67	71.49	Parallel	-5.6
0.117147	37.79	106.23	68.44	Parallel	-9.2

150kHz-30MHz**Common Information**

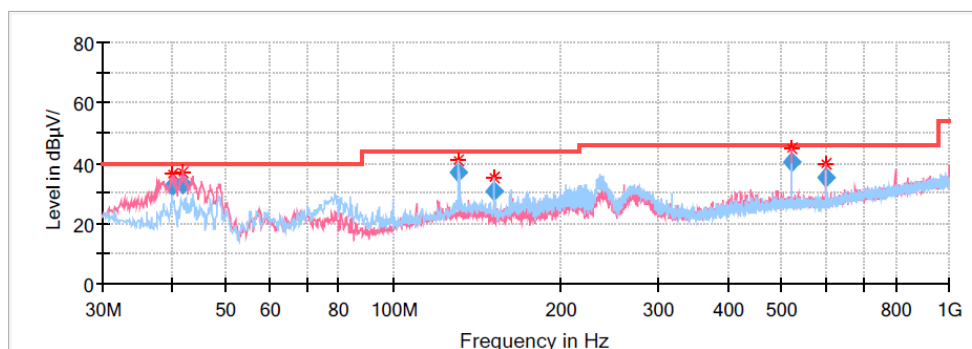
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band1 MIMO 802.11ax20 mode Middle Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.284325	46.98	98.39	51.41	Parallel	-16.4
0.571631	41.00	72.37	31.36	Parallel	-22.6
0.955950	39.17	67.78	28.62	Parallel	-26.7
1.855181	55.98	69.54	13.56	Parallel	-30.0
1.993238	47.10	69.54	22.44	Parallel	-30.4
3.735731	44.76	69.54	24.78	Parallel	-31.2

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5200MHz (maximum output power)****Middle Channel: 5200MHz****Common Information**

Project No: RKSA260622001
 EUT Model: SRP2504A
 Test Mode: Transmitting in 5G Wi-Fi band1 MIMO 802.11ax20 mode Middle Channel
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
 Test Equipment: ESCI, JB3, 310N
 Receiver Setting: RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
 Temperature: 23.1°C
 Humidity: 54%
 Barometric Pressure: 100.6kPa
 Test Engineer: Scarf Yang
 Check by: Winnie Yang
 Test Date: 2026/7/8

**Final Result**

Frequency (MHz)	QuasiPeak (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Pol	Corr. (dB/m)
40.185000	32.27	40.00	7.73	V	-16.4
41.882500	33.11	40.00	6.89	V	-17.2
131.243750	36.91	43.50	6.59	H	-10.9
152.098750	30.89	43.50	12.61	H	-11.6
522.032500	40.54	46.00	5.46	V	-4.7
599.996250	35.24	46.00	10.76	V	-4.7

EUT operation mode: Transmitting

5250-5350MHz Band

9 kHz-30 MHz:

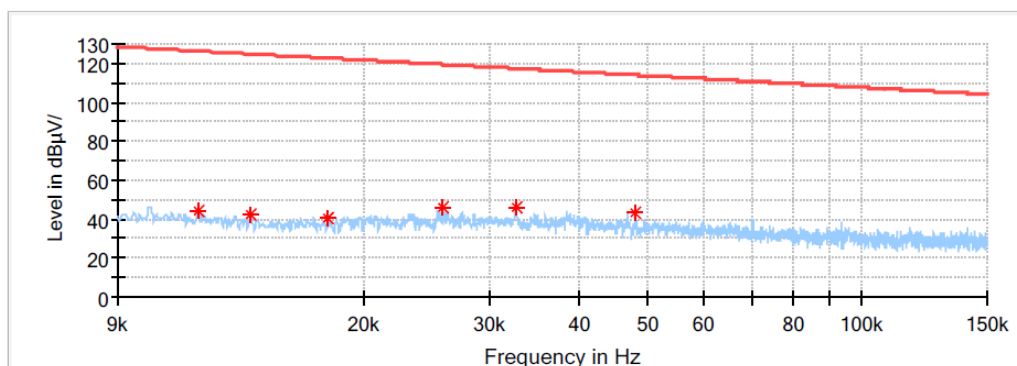
Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5260MHz (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No:	RKSA260622001
EUT Model:	SRP2504A
Test Mode:	Transmitting in 5G Wi-Fi band2 MIMO 802.11ax20 mode Low Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI,1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	23.1°C
Humidity:	54%
Barometric Pressure:	100.6kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/7/8

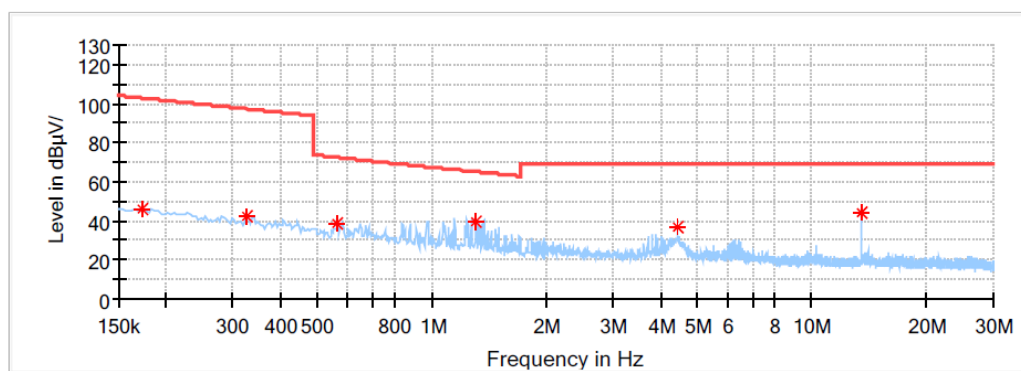


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.011679	43.86	126.22	82.36	Parallel	-0.2
0.013864	42.32	124.73	82.40	Parallel	-0.2
0.017777	40.82	122.59	81.78	Parallel	-0.1
0.025761	45.81	119.38	73.56	Parallel	-0.1
0.032653	46.27	117.32	71.05	Parallel	-0.4
0.047951	43.41	113.99	70.57	Parallel	-2.9

150kHz-30MHz**Common Information**

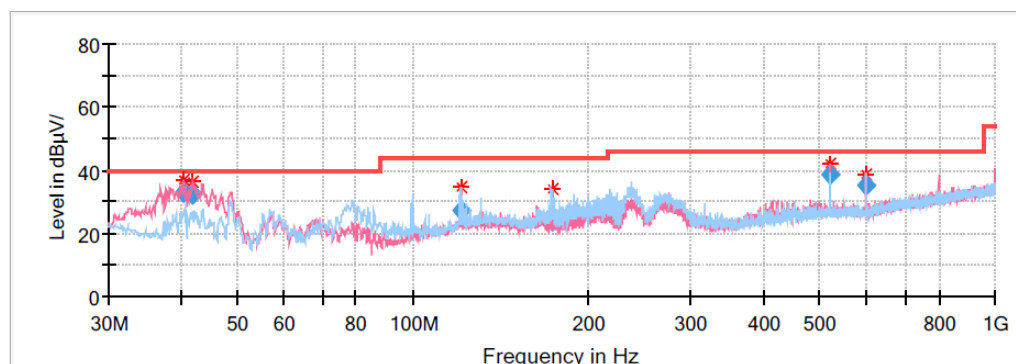
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band2 MIMO 802.11ax20 mode Low Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.172388	46.41	102.82	56.40	Parallel	-11.6
0.325369	42.32	97.24	54.92	Parallel	-17.7
0.564169	38.82	72.49	33.66	Parallel	-22.5
1.302956	39.55	65.16	25.61	Parallel	-28.1
4.433475	36.82	69.54	32.72	Parallel	-31.3
13.560112	44.62	69.54	24.92	Parallel	-32.2

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5260MHz (maximum output power)****Low Channel: 5260MHz****Common Information**

Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band2 MIMO 802.11ax20 mode Low Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
40.306250	32.81	40.00	7.19	V	-16.4
41.882500	32.26	40.00	7.74	V	-17.3
120.695000	27.41	43.50	16.09	H	-10.7
173.438750	24.01	43.50	19.49	H	-12.4
522.032500	38.51	46.00	7.49	V	-4.7
599.996250	35.20	46.00	10.80	H	-4.7

EUT operation mode: Transmitting

5470-5725MHz Band

9 kHz-30 MHz:

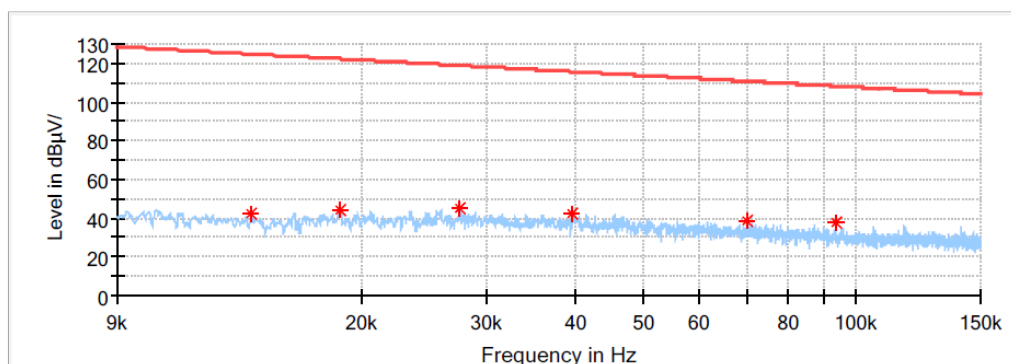
Transmitting in Chain 0 + Chain 1 802.11ac40 mode 5670MHz (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band3 MIMO 802.11ac40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 200 Hz, VBW: 1 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

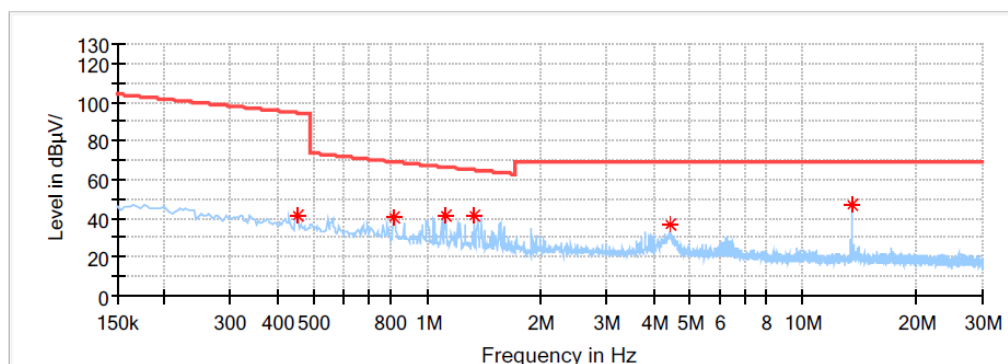


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.013917	42.59	124.69	82.11	Parallel	-0.2
0.018658	44.07	122.18	78.12	Parallel	-0.1
0.027542	44.93	118.80	73.88	Parallel	0.0
0.039615	42.31	115.64	73.34	Parallel	-1.6
0.070212	38.43	110.68	72.25	Parallel	-5.6
0.093706	37.65	108.17	70.52	Parallel	-8.0

150kHz-30MHz**Common Information**

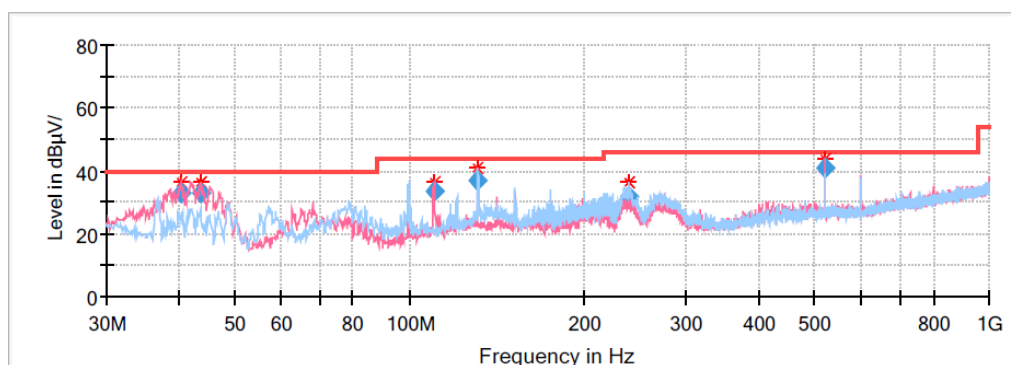
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band3 MIMO 802.11ac40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.452231	41.11	94.46	53.35	Parallel	-20.6
0.817894	40.60	69.14	28.54	Parallel	-25.6
1.123856	41.42	66.40	24.98	Parallel	-27.5
1.332806	41.50	64.98	23.47	Parallel	-28.2
4.433475	37.14	69.54	32.40	Parallel	-31.3
13.560112	47.25	69.54	22.29	Parallel	-32.2

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ac40 mode 5670MHz (maximum output power)****High Channel: 5670MHz****Common Information**

Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band3 MIMO 802.11ac40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 23.1 °C
Humidity: 54%
Barometric Pressure: 100.6 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
40.306250	33.17	40.00	6.83	V	-16.4
43.580000	33.06	40.00	6.94	V	-18.2
110.267500	33.24	43.50	10.26	V	-12.3
131.243750	36.64	43.50	6.86	H	-10.9
238.428750	31.71	46.00	14.29	H	-12.2
522.032500	40.57	46.00	5.43	V	-4.7

EUT operation mode: Transmitting

5725-5850MHz Band

9 kHz-30 MHz:

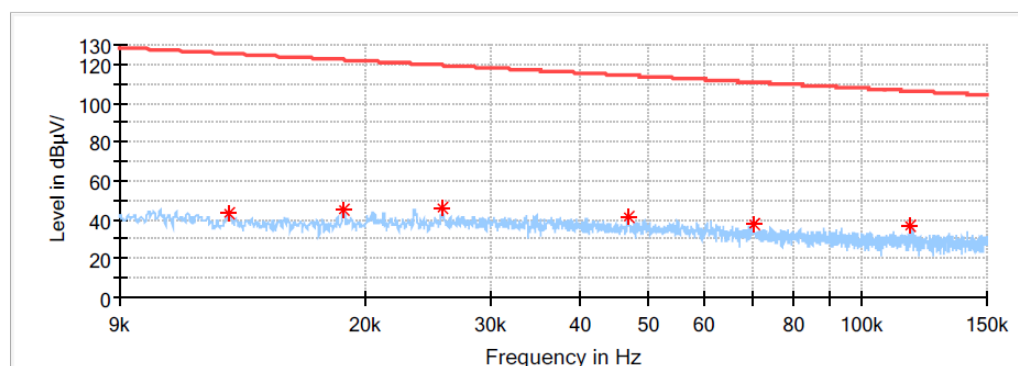
Transmitting in Chain 0 + Chain 1 802.11ax40 mode 5795MHz (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No:	RKSA260622001
EUT Model:	SRP2504A
Test Mode:	Transmitting in 5G Wi-Fi band4 MIMO 802.11ax40 mode High Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI,1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	23.1°C
Humidity:	54%
Barometric Pressure:	100.6kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/7/8

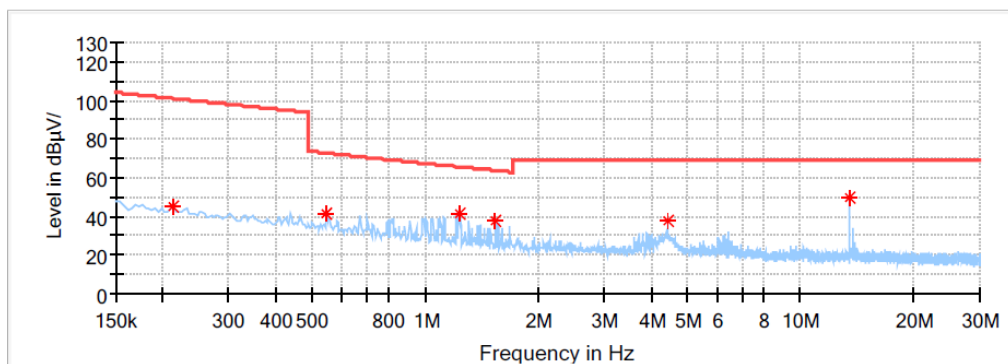


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.012825	43.07	125.40	82.33	Parallel	-0.2
0.018623	45.47	122.20	76.73	Parallel	-0.1
0.025638	46.12	119.42	73.30	Parallel	-0.1
0.046823	41.91	114.19	72.29	Parallel	-2.7
0.070300	37.88	110.67	72.79	Parallel	-5.6
0.117059	36.54	106.23	69.70	Parallel	-9.2

150 kHz-30MHz**Common Information**

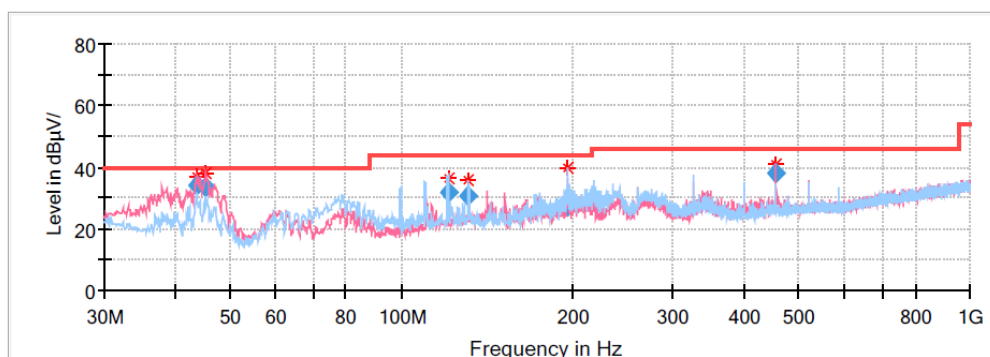
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band4 MIMO 802.11ax40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.213431	44.87	100.90	56.03	Parallel	-13.4
0.545512	41.08	72.80	31.72	Parallel	-22.3
1.239525	41.95	65.58	23.63	Parallel	-27.9
1.541756	37.81	63.78	25.97	Parallel	-28.9
4.433475	37.61	69.54	31.93	Parallel	-31.3
13.563844	49.65	69.54	19.89	Parallel	-32.2

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ax40 mode 5795MHz (maximum output power)****High Channel: 5795MHz****Common Information**

Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band4 MIMO 802.11ax40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

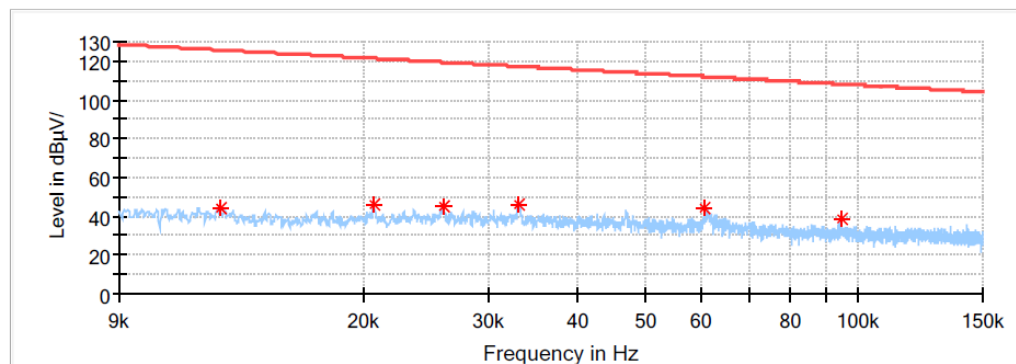
**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
43.822500	33.93	40.00	6.07	V	-18.2
45.398750	33.50	40.00	6.50	V	-19.2
120.816250	31.91	43.50	11.59	H	-10.7
131.122500	30.41	43.50	13.09	H	-10.9
195.748750	27.08	43.50	16.42	H	-12.0
456.800000	38.26	46.00	7.74	V	-6.2

Configuration 2

*EUT operation mode: Transmitting***5150-5250MHz Band****9 kHz-30 MHz:****Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5200MHz (maximum output power)****Parallel(worst case)****9kHz -150kHz****Common Information**

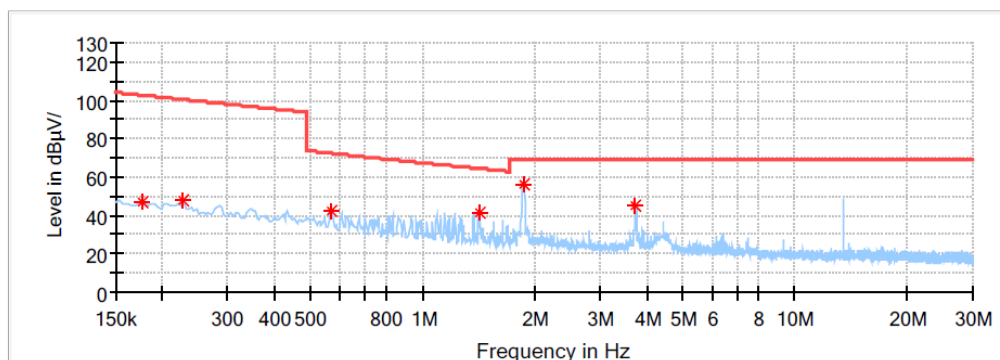
Project No:	RKSA260622001
EUT Model:	SRP2504A
Test Mode:	Transmitting in 5G Wi-Fi band1 MIMO 802.11ax20 mode Middle Channel
Standard:	FCC Part 15.205 & FCC Part 15.209&FCC Part 15.407
Test Equipment:	ESCI,1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	23.1°C
Humidity:	54%
Barometric Pressure:	100.6kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.012507	43.90	125.62	81.72	Parallel	-0.2
0.020668	46.03	121.29	75.26	Parallel	-0.1
0.025938	45.25	119.32	74.07	Parallel	-0.1
0.033129	46.39	117.19	70.80	Parallel	-0.5
0.060659	44.63	111.95	67.32	Parallel	-4.5
0.094675	38.34	108.08	69.74	Parallel	-8.0

150kHz-30MHz**Common Information**

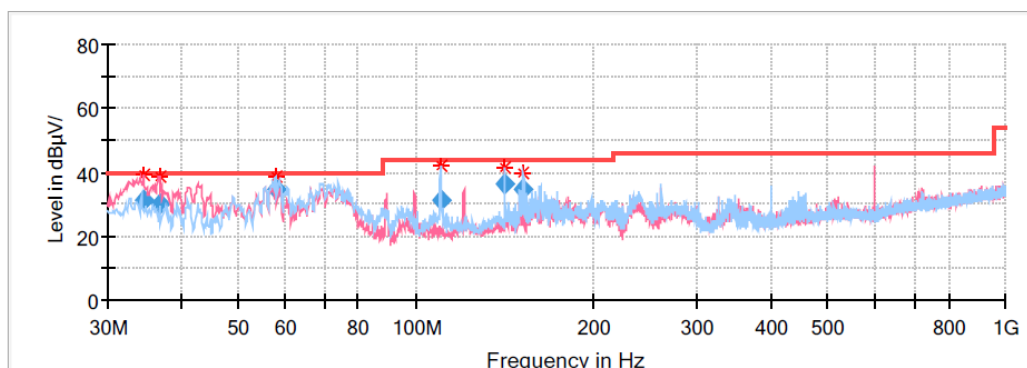
Project No: RKSA260622001
 EUT Model: SRP2504A
 Test Mode: Transmitting in 5G Wi-Fi band1 MIMO 802.11ax20 mode Middle Channel
 Standard: FCC Part 15.205 & FCC Part 15.209&FCC Part 15.407
 Test Equipment: ESCI,1313-1A, 310N
 Receiver Setting: RBW:9 kHz, VBW:30 kHz, Sweep Time: Auto
 Temperature: 23.1°C
 Humidity: 54%
 Barometric Pressure: 100.6kPa
 Test Engineer: Scarf Yang
 Check by: Winnie Yang
 Test Date: 2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.176119	46.80	102.62	55.82	Parallel	-11.8
0.228356	47.63	100.31	52.67	Parallel	-14.0
0.571631	42.69	72.37	29.67	Parallel	-22.6
1.418625	41.28	64.46	23.18	Parallel	-28.5
1.870106	56.27	69.54	13.27	Parallel	-30.0
3.732000	44.89	69.54	24.65	Parallel	-31.2

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5200MHz (maximum output power)****Middle Channel: 5200MHz****Common Information**

Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band1 MIMO 802.11ax20 mode Middle Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
34.486250	31.12	40.00	8.88	V	-7.4
36.790000	30.17	40.00	9.83	V	-9.8
57.887500	34.84	40.00	5.16	H	-17.0
110.146250	30.94	43.50	12.56	H	-12.4
141.671250	36.20	43.50	7.30	H	-11.1
152.220000	34.75	43.50	8.75	H	-11.6

EUT operation mode: Transmitting

5250-5350MHz Band

9 kHz-30 MHz:

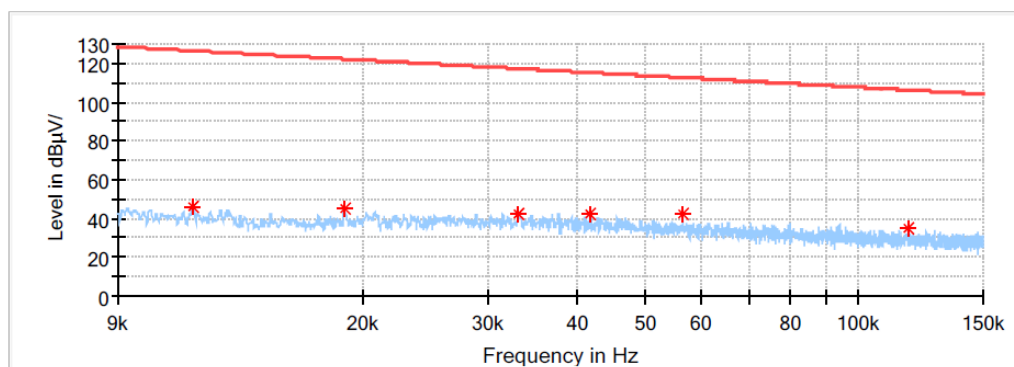
Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5260MHz (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No:	RKSA260622001
EUT Model:	SRP2504A
Test Mode:	Transmitting in 5G Wi-Fi band2 MIMO 802.11ax20 mode Low Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI,1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	23.1℃
Humidity:	54%
Barometric Pressure:	100.6kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/7/8

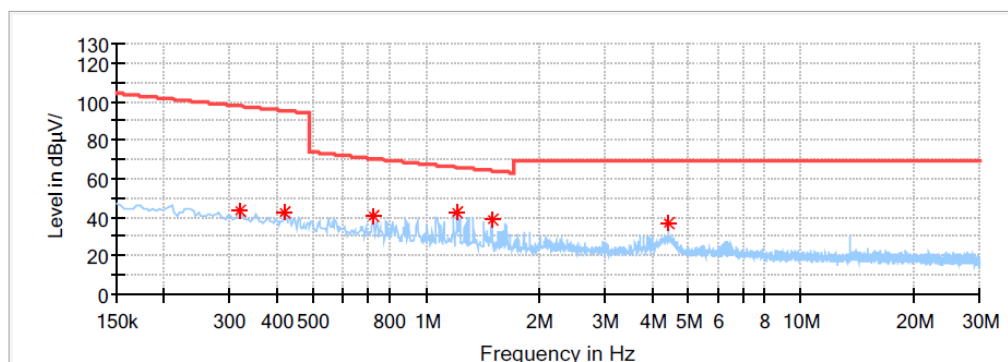


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.011503	46.50	126.35	79.85	Parallel	-0.2
0.018835	44.98	122.10	77.12	Parallel	-0.1
0.033058	42.31	117.21	74.90	Parallel	-0.5
0.041853	42.03	115.16	73.14	Parallel	-1.9
0.056552	42.27	112.56	70.29	Parallel	-4.0
0.117552	35.11	106.20	71.09	Parallel	-9.2

150kHz-30MHz**Common Information**

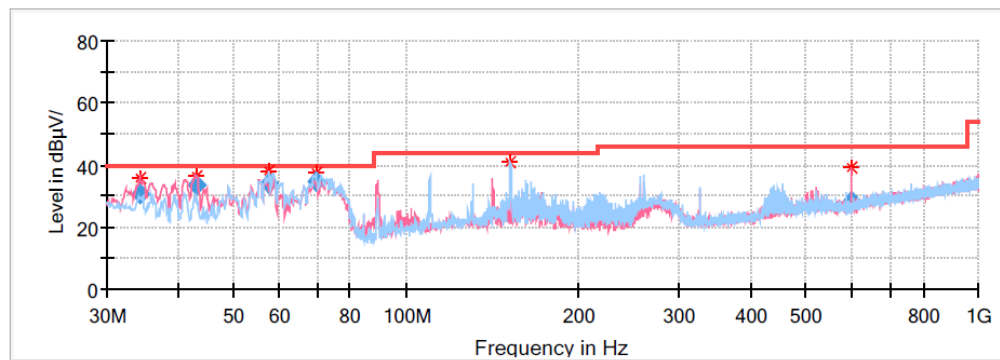
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band2 MIMO 802.11ax20 mode Low Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW:9 kHz, VBW:30 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.317906	42.96	97.43	54.47	V	-17.5
0.418650	42.03	95.11	53.07	V	-19.9
0.720881	40.57	70.26	29.69	V	-24.4
1.213406	42.16	65.76	23.60	V	-27.8
1.500712	38.47	64.00	25.53	V	-28.8
4.433475	36.71	69.54	32.83	V	-31.3

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ax20 mode 5260MHz (maximum output power)****Low Channel: 5260MHz****Common Information**

Project No: RKSA260622001
 EUT Model: SRP2504A
 Test Mode: Transmitting in 5G Wi-Fi band2 MIMO 802.11ax20 mode Low Channel
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
 Test Equipment: ESCI, JB3, 310N
 Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
 Temperature: 23.1°C
 Humidity: 54%
 Barometric Pressure: 100.6kPa
 Test Engineer: Scarf Yang
 Check by: Winnie Yang
 Test Date: 2026/7/8

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
34.243750	30.91	40.00	9.09	V	-7.5
43.095000	33.53	40.00	6.47	V	-12.7
57.766250	34.10	40.00	5.90	H	-17.0
69.648750	34.39	40.00	5.61	H	-16.5
152.462500	24.56	43.50	18.94	H	-11.5
599.996250	28.63	46.00	17.37	V	-4.7

EUT operation mode: Transmitting

5470-5725MHz Band

9 kHz-30 MHz:

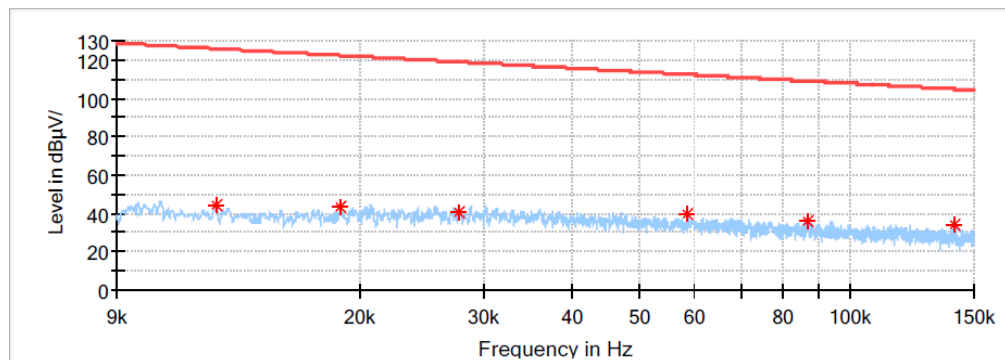
Transmitting in Chain 0 + Chain 1 802.11ac40 mode 5670MHz (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No:	RKSA260622001
EUT Model:	SRP2504A
Test Mode:	Transmitting in 5G Wi-Fi band3 MIMO 802.11ac40 mode High Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	23.1°C
Humidity:	54%
Barometric Pressure:	100.6kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/7/8

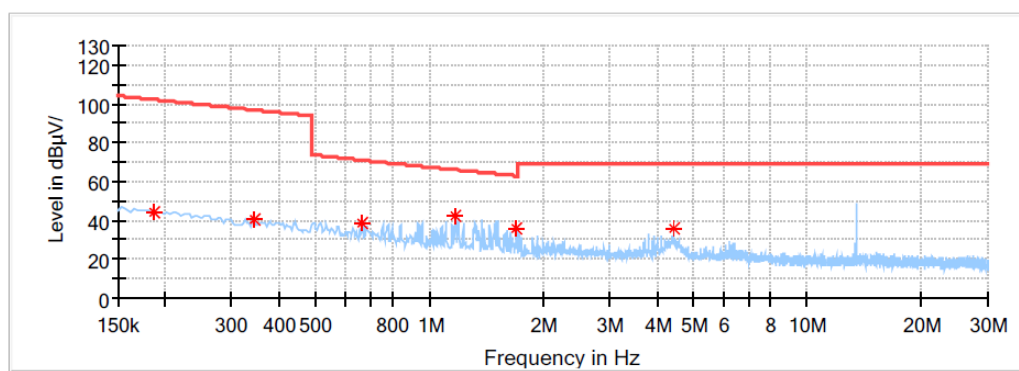


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.012472	44.18	125.64	81.46	V	-0.2
0.018764	43.63	122.14	78.51	V	-0.1
0.027682	40.79	118.76	77.97	V	0.0
0.058632	39.79	112.24	72.46	V	-4.3
0.087044	36.28	108.80	72.53	V	-7.4
0.141029	33.70	104.61	70.91	V	-10.3

150kHz-30MHz**Common Information**

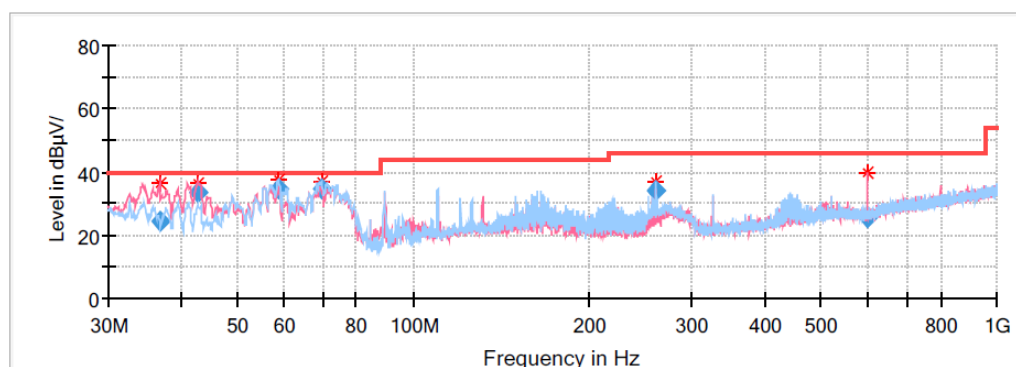
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band3 MIMO 802.11ac40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 23.1 °C
Humidity: 54%
Barometric Pressure: 100.6 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.187312	44.70	102.07	57.37	Parallel	-12.2
0.344025	40.62	96.76	56.14	Parallel	-18.1
0.664912	38.96	70.99	32.03	Parallel	-23.8
1.168631	42.24	66.07	23.83	Parallel	-27.6
1.702200	36.02	62.98	26.96	Parallel	-29.4
4.433475	35.97	69.54	33.57	Parallel	-31.3

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ac40 mode 5670MHz (maximum output power)****High Channel: 5670MHz****Common Information**

Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band3 MIMO 802.11ac40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
36.790000	24.53	40.00	15.47	V	-9.2
42.731250	33.38	40.00	6.62	V	-12.9
58.857500	34.82	40.00	5.18	H	-17.0
69.527500	34.33	40.00	5.67	H	-16.5
260.981250	33.87	46.00	12.13	H	-11.7
599.996250	25.72	46.00	20.28	V	-4.7

EUT operation mode: Transmitting

5725-5850MHz Band

9 kHz-30 MHz:

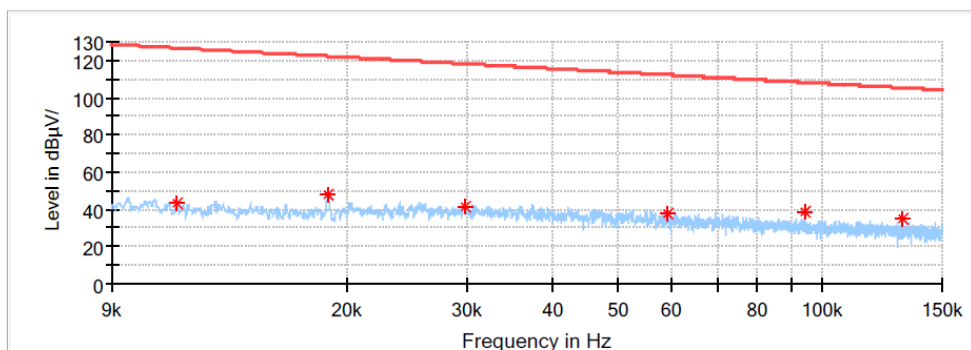
Transmitting in Chain 0 + Chain 1 802.11ax40 mode 5795MHz (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No:	RKSA260622001
EUT Model:	SRP2504A
Test Mode:	Transmitting in 5G Wi-Fi band4 MIMO 802.11ax40 mode High Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI,1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	23.1°C
Humidity:	54%
Barometric Pressure:	100.6kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/7/8

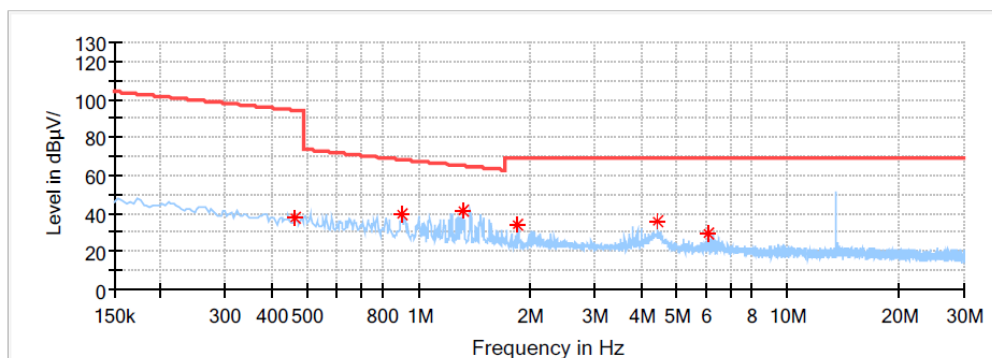


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.011221	42.93	126.57	83.64	Parallel	-0.2
0.018729	47.91	122.15	74.24	Parallel	-0.1
0.029833	41.72	118.11	76.39	Parallel	0.0
0.059196	37.85	112.16	74.31	Parallel	-4.3
0.094005	39.13	108.14	69.01	Parallel	-8.0
0.131053	34.72	105.26	70.54	Parallel	-9.8

150 kHz-30MHz**Common Information**

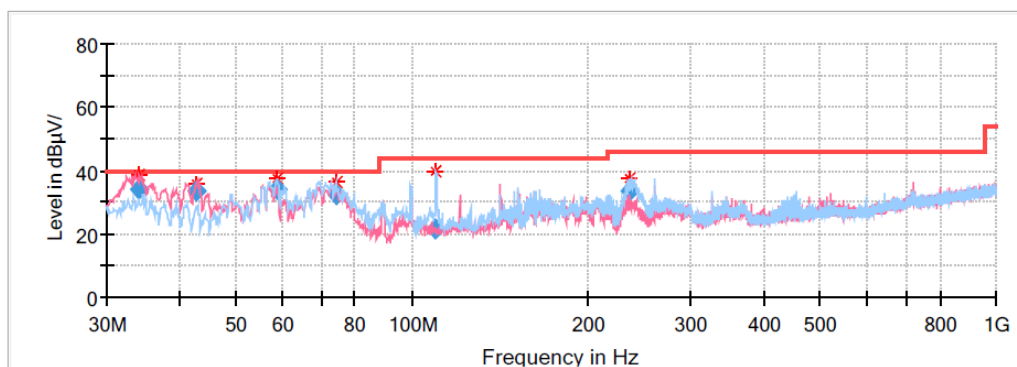
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band4 MIMO 802.11ax40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209&FCC Part 15.407
Test Equipment: ESCI,1313-1A, 310N
Receiver Setting: RBW:9 kHz, VBW:30 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.463425	37.97	94.26	56.29	Parallel	-20.9
0.903712	39.77	68.27	28.50	Parallel	-26.3
1.317881	41.06	65.07	24.01	Parallel	-28.2
1.858912	34.06	69.54	35.48	Parallel	-30.0
4.433475	35.70	69.54	33.84	Parallel	-31.3
6.116269	29.66	69.54	39.88	Parallel	-31.6

30MHz-1GHz:**Transmitting in Chain 0 + Chain 1 802.11ax40 mode 5795MHz (maximum output power)****High Channel: 5795MHz****Common Information**

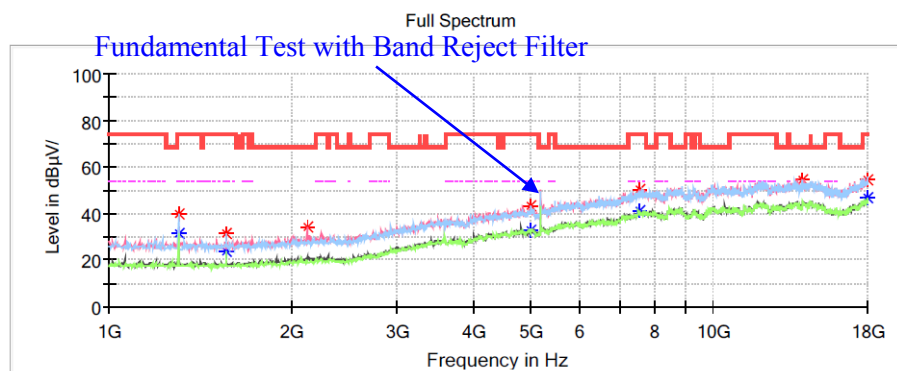
Project No: RKSA260622001
EUT Model: SRP2504A
Test Mode: Transmitting in 5G Wi-Fi band4 MIMO 802.11ax40 mode High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 23.1°C
Humidity: 54%
Barometric Pressure: 100.6kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/7/8

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
34.122500	33.95	40.00	6.05	V	-7.5
42.852500	33.23	40.00	6.77	V	-12.7
58.857500	34.11	40.00	5.89	H	-17.0
74.135000	32.62	40.00	7.38	H	-16.7
110.025000	21.66	43.50	21.84	H	-12.6
235.518750	33.33	46.00	12.67	H	-12.3

1GHz-18GHz (5150-5250MHz Band):*Chain 0***802.11a Mode:****Low Channel: 5180MHz****Common Information**

Project No.: RKSA260622001
EUT Model: SRP2504A
Test Mode: 5G WIFI 802.11a mode Low Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 23.6°C
Humidity: 41%
Atmospheric Pressure: 100.8kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/7/11

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
1302.600000	39.98	---	74.00	34.02	H	-14.9
1302.600000	---	31.25	54.00	22.75	H	-14.9
1564.400000	---	23.84	54.00	30.16	H	-13.8
1564.400000	31.61	---	74.00	42.39	H	-13.8
2125.400000	34.09	---	68.20	34.11	V	-11.3
4998.400000	---	32.61	54.00	21.39	V	-2.8
4998.400000	43.07	---	74.00	30.93	V	-2.8
7548.400000	---	41.09	54.00	12.91	V	3.3
7548.400000	50.32	---	74.00	23.68	V	3.3
14018.600000	54.86	---	68.20	13.34	V	10.7
17996.600000	54.53	---	74.00	19.47	H	13.8
17996.600000	---	46.84	54.00	7.16	H	13.8