

FCC PART 15.407

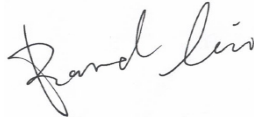
TEST REPORT

For

Feitian Technologies Co., Ltd.

Floor 17th, Tower B, Huizhi Mansion, No.9 Xueqing Road, Haidian District, Beijing, China

FCC ID: ZD3FTF600

Report Type: Original Report	Product Name: Android Payment PAD
Report Number: RKSA240906001-00F	
Report Date: 2025-01-17	
Reviewed By:	Bard Liu 
Approved By:	Kyle Xu 
Prepared By:	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

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

TABLE OF CONTENTS

REPORT REVISION HISTORY.....	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
OBJECTIVE	5
TEST METHODOLOGY	6
MEASUREMENT UNCERTAINTY.....	6
TEST FACILITY	6
SYSTEM TEST CONFIGURATION.....	7
DESCRIPTION OF TEST CONFIGURATION	7
EUT EXERCISE SOFTWARE	9
EQUIPMENT MODIFICATIONS	16
SUPPORT EQUIPMENT LIST AND DETAILS	16
EXTERNAL I/O CABLE.....	16
BLOCK DIAGRAM OF TEST SETUP	17
TEST EQUIPMENT LIST	19
SUMMARY OF TEST RESULTS	20
FCC §15.203 – ANTENNA REQUIREMENT.....	21
APPLICABLE STANDARD	21
ANTENNA CONNECTOR CONSTRUCTION	21
FCC §15.407 (b) (9) §15.207 (a) – AC POWER LINE CONDUCTED EMISSIONS.....	22
APPLICABLE STANDARD	22
TEST SYSTEM SETUP.....	22
EMI TEST RECEIVER SETUP.....	22
TEST PROCEDURE	23
TEST RESULTS SUMMARY	23
§15.205 & §15.209 & §15.407(B) – UNDESIRABLE EMISSION & RESTRICTED BANDS	24
APPLICABLE STANDARD	24
TEST SYSTEM SETUP.....	24
EMI TEST RECEIVER & SPECTRUM ANALYZER SETUP	27
TEST PROCEDURE	27
FCC §15.407(a) & §15.407(e)–EMISSION BANDWIDTH.....	28
APPLICABLE STANDARD	28
TEST PROCEDURE	28
FCC §15.407(a) – CONDUCTED TRANSMITTER OUTPUT POWER.....	29
APPLICABLE STANDARD	29
TEST PROCEDURE	29
FCC §15.407(a) - POWER SPECTRAL DENSITY	30
APPLICABLE STANDARD	30
TEST PROCEDURE	30
EUT PHOTOGRAPHS.....	31
TEST SETUP PHOTOGRAPHS	32
APPENDIX - TEST DATA.....	33
ENVIRONMENTAL CONDITIONS & TEST INFORMATION.....	33

TRANSMITTER UNWANTED EMISSIONS & RESTRICTED FREQUENCY BANDS	36
EMISSION BANDWIDTH.....	92
CONDUCTED TRANSMITTER OUTPUT POWER.....	109
POWER SPECTRAL DENSITY	111

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA240906001-00F	R1V1	2025-01-17	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	Feitian Technologies Co., Ltd.			
Tested Model	F600			
Product Name	Android Payment PAD			
Power Supply	DC 3.8V from battery or DC 5V charging by adapter			
Maximum Average Output Power	5G Wi-Fi B1:	5G Wi-Fi B2:	5G Wi-Fi B3:	5G Wi-Fi B4:
	802.11a: 16.59 dBm	16.17 dBm	15.53 dBm	11.71 dBm
	802.11ac20: 16.38 dBm	15.99 dBm	15.36 dBm	11.57 dBm
	802.11ac40: 17.04 dBm	16.44 dBm	15.80 dBm	12.35 dBm
	802.11ac80: 16.54 dBm	15.71 dBm	14.96 dBm	11.84 dBm
Operating Frequency	5G Wi-Fi: B1: 5180-5240 MHz; B2: 5260~5320 MHz B3: 5500~5720 MHz; B4: 5745-5825 MHz			
Channel Number	5G Wi-Fi B1: 7; B2: 7; B3: 21; B4: 8			
Channel Separation	5G Wi-Fi: a/ac20/n20: 20 MHz, ac40/n40: 40 MHz, ac80: 80 MHz			
Modulation Type	OFDM			
Antenna Type	FPC Antenna			
★Maximum Antenna Gain	Band 1: 1.24 dBi Band 2: 1.18 dBi Band 3: 1.61 dBi Band 4: 2.63 dBi			

Adapter Information:

Model: TEKA-UCA20US

Input: 100-240V, 50/60Hz, 0.35A Max

Output: 5.0V, 2.0A

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: RKSA240906001-1 (Assigned by the BACL (Kunshan)). The EUT supplied by the applicant was received on 2024-09-06.)

Objective

This type approval report is prepared for *Feitian Technologies 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.

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°C
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/n ht20/n ht40/ac vht20/ac vht40/ ac vht80, the 802.11 n ht20/n ht40 were reduced since the identical parameters with 802.11ac vht20 and vht40

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

802.11a/ac20 mode Channel 36, 40, 48 were tested.

802.11ac40 mode Channel 38, 46 were tested.

802.11ac80 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 **5250~5350 MHz** band, test channel list is as below,

802.11a/ac20 mode Channel 52, 56, 64 were tested.

802.11ac40 mode Channel 54, 62 were tested.

802.11ac80 mode Channel 58 was tested.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
54	5270	62	5310
56	5280	64	5320
58	5290	/	/

For **5470~5725 MHz** band, test channel list is as below,

802.11a/ac20 mode Channel 100, 116, 140, 144 were tested.

802.11ac40 mode Channel 102, 110, 134, 142 were tested.

802.11ac80 mode Channel 106, 122, 138 was tested.

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	132	5660
102	5510	118	5590	134	5670
104	5520	120	5600	136	5680
106	5530	122	5610	138	5690
108	5540	124	5620	140	5700
110	5550	126	5630	142	5710
112	5560	128	5640	144	5720

For **5725~5850 MHz** band,

802.11a/ac20 mode Channel 149, 157, 165 were tested.

802.11ac40 mode Channel 151, 159 were tested.

802.11ac80 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	/	/

EUT Exercise Software

No exercise software was used to test.

The worst case was performed under:

U-NII	Mode	Data rate	★Power Level		
			Low Channel	Middle Channel	High Channel
5150~5250MHz	802.11a	6Mbps	18	18	18
	802.11ac-VHT20	MCS0	18	18	18
	802.11ac-VHT40	MCS0	18	/	18
	802.11ac-VHT80	MCS0	/	18	/

U-NII	Mode	Data rate	★Power Level		
			Low Channel	Middle Channel	High Channel
5250~5350MHz	802.11a	6Mbps	18	18	18
	802.11ac-VHT20	MCS0	18	18	18
	802.11ac-VHT40	MCS0	18	/	18
	802.11ac-VHT80	MCS0	/	18	/

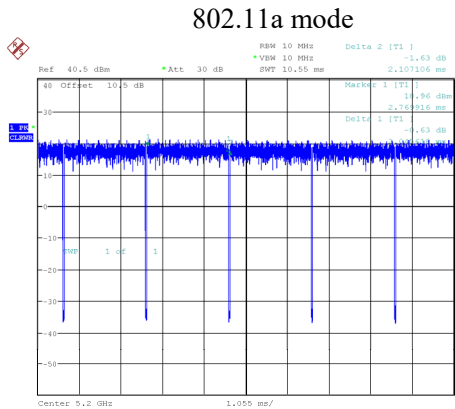
U-NII	Mode	Data rate	★Power Level			
			Low Channel	Middle Channel	High Channel	Cross Channel
5470~5725MHz	802.11a	6Mbps	18	18	18	18
	802.11ac-VHT20	MCS0	18	18	18	18
	802.11ac-VHT40	MCS0	18	18	18	18
	802.11ac-VHT80	MCS0	18	/	18	18

U-NII	Mode	Data rate	★Power Level		
			Low Channel	Middle Channel	High Channel
5725~5850MHz	802.11a	6Mbps	18	18	18
	802.11ac-VHT20	MCS0	18	18	18
	802.11ac-VHT40	MCS0	18	/	18
	802.11ac-VHT80	MCS0	/	18	/

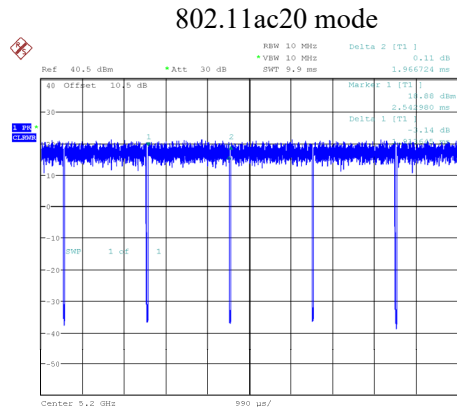
Note: The power level was declared by the applicant.

Duty Cycle

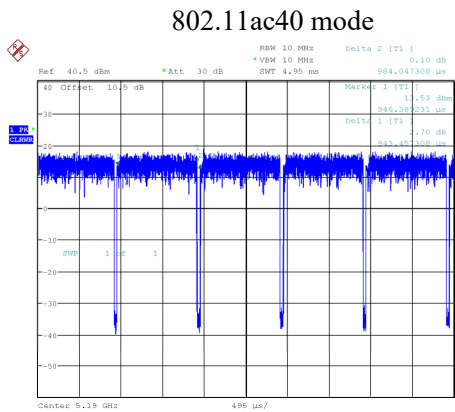
5150MHz-5250MHz Band:



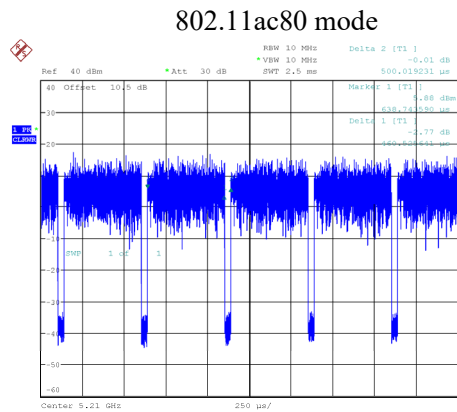
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:37:19



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:42:17

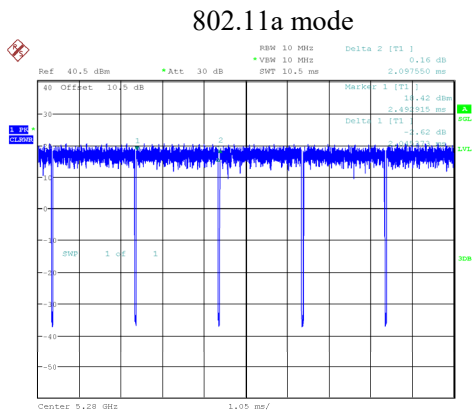


ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:43:49

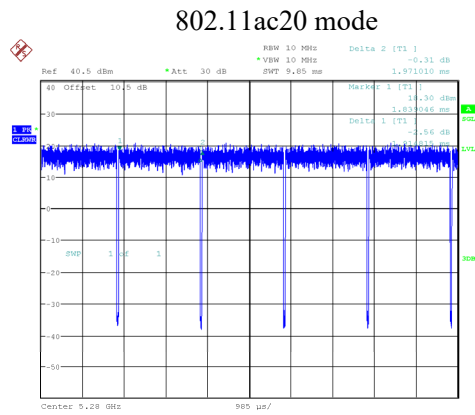


ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:45:05

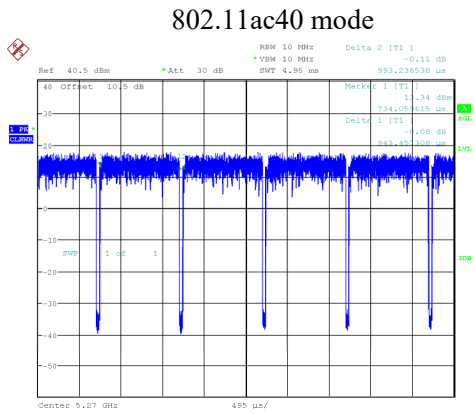
5250MHz-5350MHz Band:



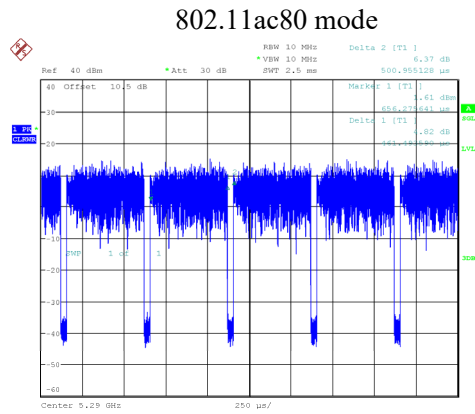
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:46:41



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:47:45



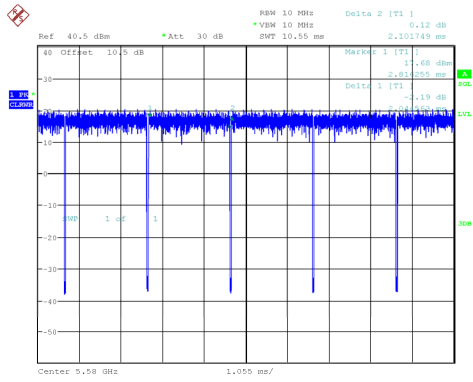
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:49:24



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:51:34

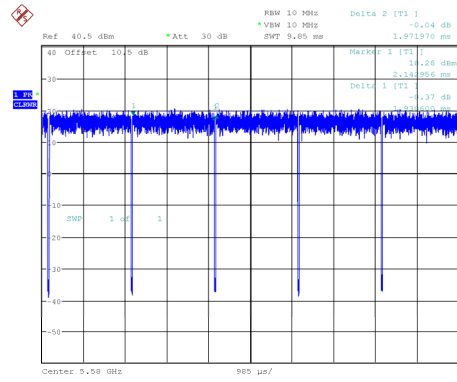
5470MHz-5725MHz Band:

802.11a mode



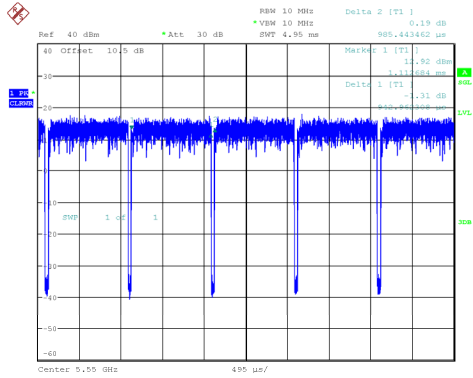
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:53:39

802.11ac20 mode



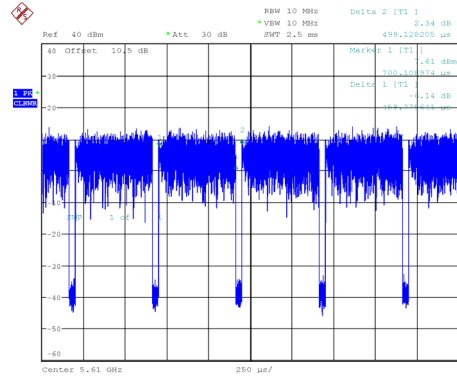
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:55:02

802.11ac40 mode

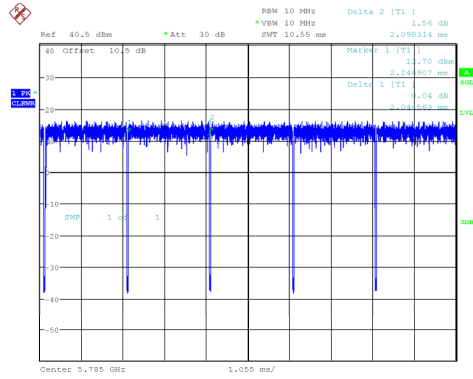


ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 14:56:25

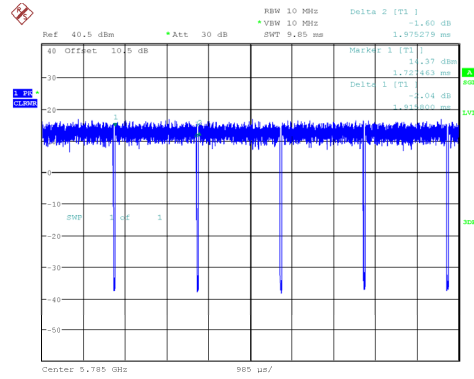
802.11ac80 mode



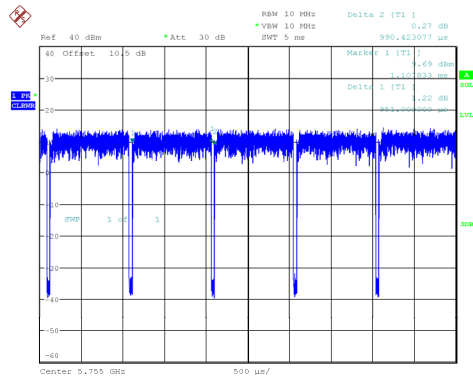
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:00:08

5725MHz-5850MHz Band:**802.11a mode**

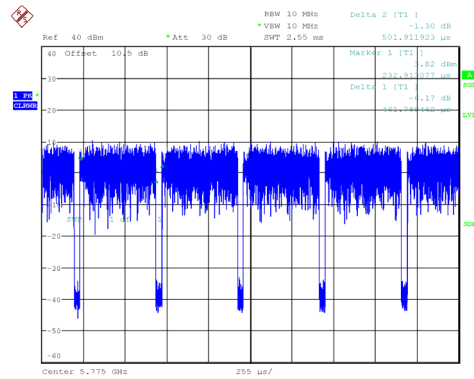
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:02:08

802.11ac20 mode

ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:03:44

802.11ac40 mode

ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:05:56

802.11ac80 mode

ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:08:38

5.2G

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/Ton (Hz)
a_5200MHz_Chain 0	2.046	2.107	97.10	0.13	489
ac20_5200MHz_Chain 0	1.914	1.967	97.31	0.12	522
ac40_5190MHz_Chain 0	0.943	0.984	95.83	0.18	1060
ac80_5210MHz_Chain 0	0.461	0.500	92.20	0.35	2169

5.3G

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/Ton (Hz)
a_5280MHz_Chain 0	2.045	2.098	97.47	0.11	489
ac20_5280MHz_Chain 0	1.915	1.971	97.16	0.13	522
ac40_5270MHz_Chain 0	0.943	0.993	94.96	0.22	1060
ac80_5290MHz_Chain 0	0.461	0.501	92.02	0.36	2169

5.6G

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/Ton (Hz)
a_5580MHz_Chain 0	2.045	2.102	97.29	0.12	489
ac20_5580MHz_Chain 0	1.931	1.972	97.92	0.09	518
ac40_5550MHz_Chain 0	0.943	0.985	95.74	0.19	1060
ac80_5610MHz_Chain 0	0.460	0.499	92.18	0.35	2174

5.8G

Mode	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	1/Ton (Hz)
a_5785MHz_Chain 0	2.045	2.098	97.47	0.11	489
ac20_5785MHz_Chain 0	1.916	1.975	97.01	0.13	522
ac40_5755MHz_Chain 0	0.951	0.990	96.06	0.17	1052
ac80_5775MHz_Chain 0	0.462	0.502	92.03	0.36	2165

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

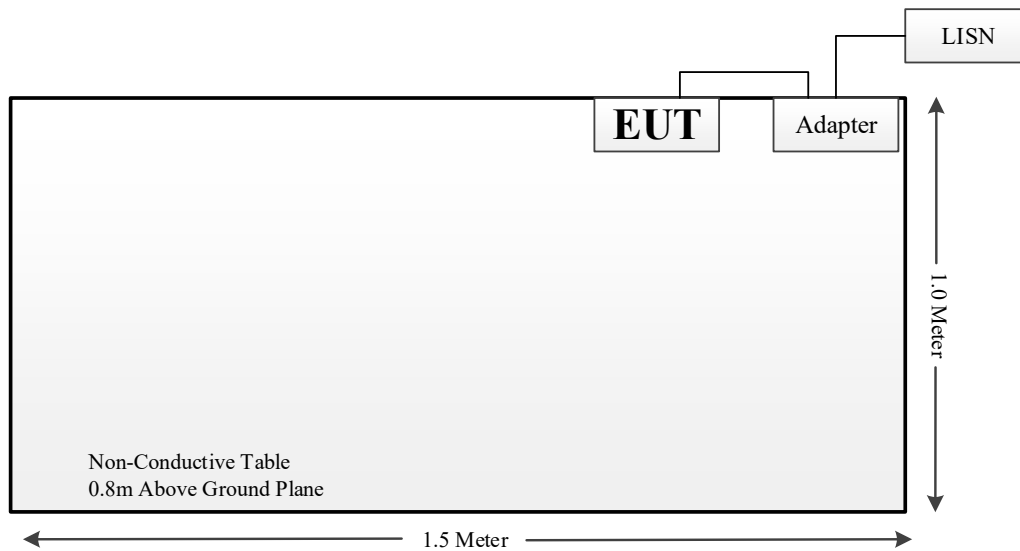
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

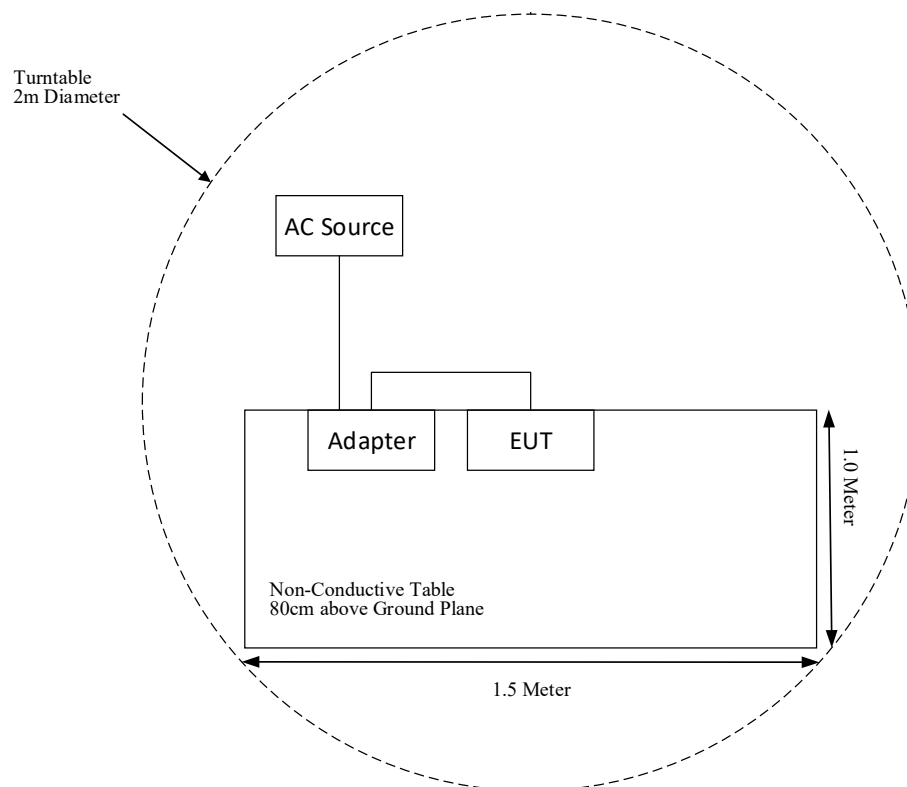
Cable Description	Length (m)	From Port	To
Power Cable 1	1.0	EUT	Adapter
Power Cable 2	1.0	Adapter	AC Source/LISN

Block Diagram of Test Setup

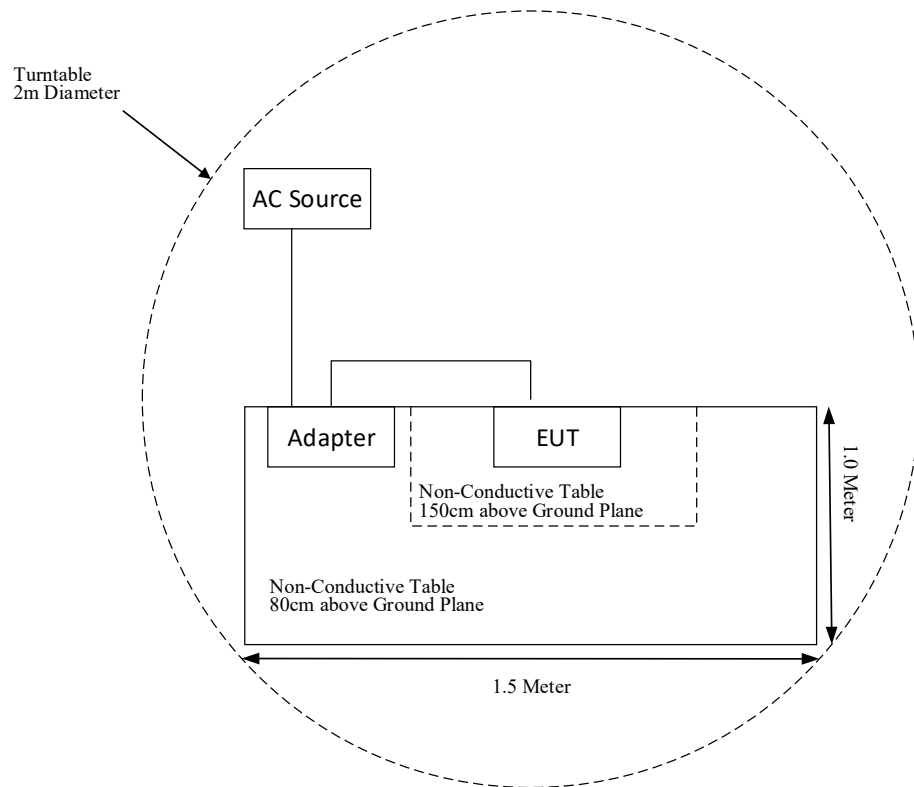
For Conducted Emissions:



For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1 GHz):



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	2024-04-23	2025-04-22
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2024-11-08	2027-11-07
Narda	6dB Attenuator	773-6	10690812-2-1	2024-11-08	2027-11-07
ETS-LINDGREN	Loop Antenna	6512	108100	2024-11-03	2025-11-02
Sonoma Instrument	Pre-amplifier	310N	171205	2024-04-23	2025-04-22
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-9	009	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-10	010	2024-04-23	2025-04-22
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3116	2516	2024-01-06	2025-01-05
A.H.Systems, inc	Amplifier	PAM-0118P	512	2024-04-25	2025-04-24
SELECTOR	Amplifier	EM18G40G	060726	2024-04-25	2025-04-24
MICRO-TRONICS	Band Reject Filter	BRC50703	G094	2024-04-25	2025-04-24
MICRO-TRONICS	Band Reject Filter	BRC50704	84	2024-04-25	2025-04-24
MICRO-TRONICS	Band Reject Filter	BRC50705	G085	2024-04-25	2025-04-24
N/A	Attenuator	10 dB	N/A	2024-04-23	2025-04-22
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-11	011	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-12	012	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-13	013	2024-04-25	2025-04-24
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSU26	200103	2024-04-24	2025-04-23
Rohde & Schwarz	Signal Analyzer	FSV40-N	103298	2024-04-24	2025-04-23
Narda	Attenuator	10 dB	N/A	2024-04-23	2025-04-22
Anritsu	Power Sensor	MA24418A	12621	2024-04-23	2025-04-22
XHFDZ	RG178 Coaxial Cable	SMA-178	XHF-1102	Each time	N/A
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	1316.3003K03-101746-zn	2024-04-23	2025-04-22
Rohde & Schwarz	LISN	ENV216	101115	2024-04-23	2025-04-22
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2024-04-24	2025-04-23
MICRO-COAX	Coaxial Cable	Cable-15	015	2024-04-23	2025-04-22

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).

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

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	5150~5250 MHz	1.24 dBi	50Ω
	5250~5350 MHz	1.18 dBi	50Ω
	5470~5725 MHz	1.61 dBi	50Ω
	5725~5850 MHz	2.63 dBi	50Ω

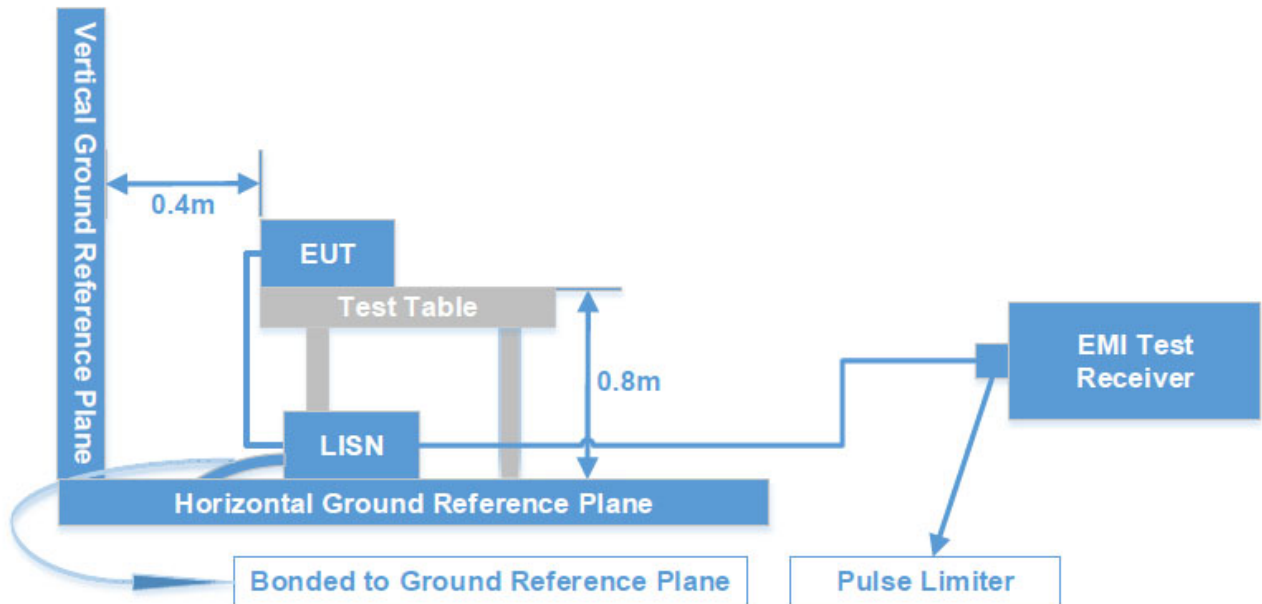
Result: Compliant.

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 C63.10-2013 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

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 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:

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) – 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:

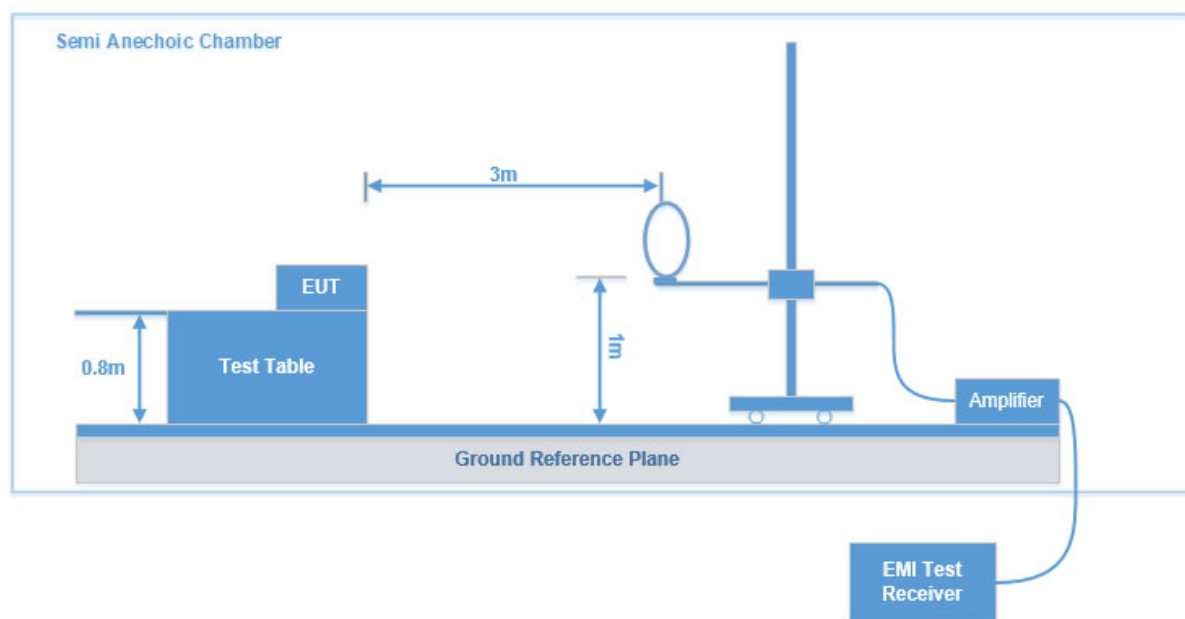
(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the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

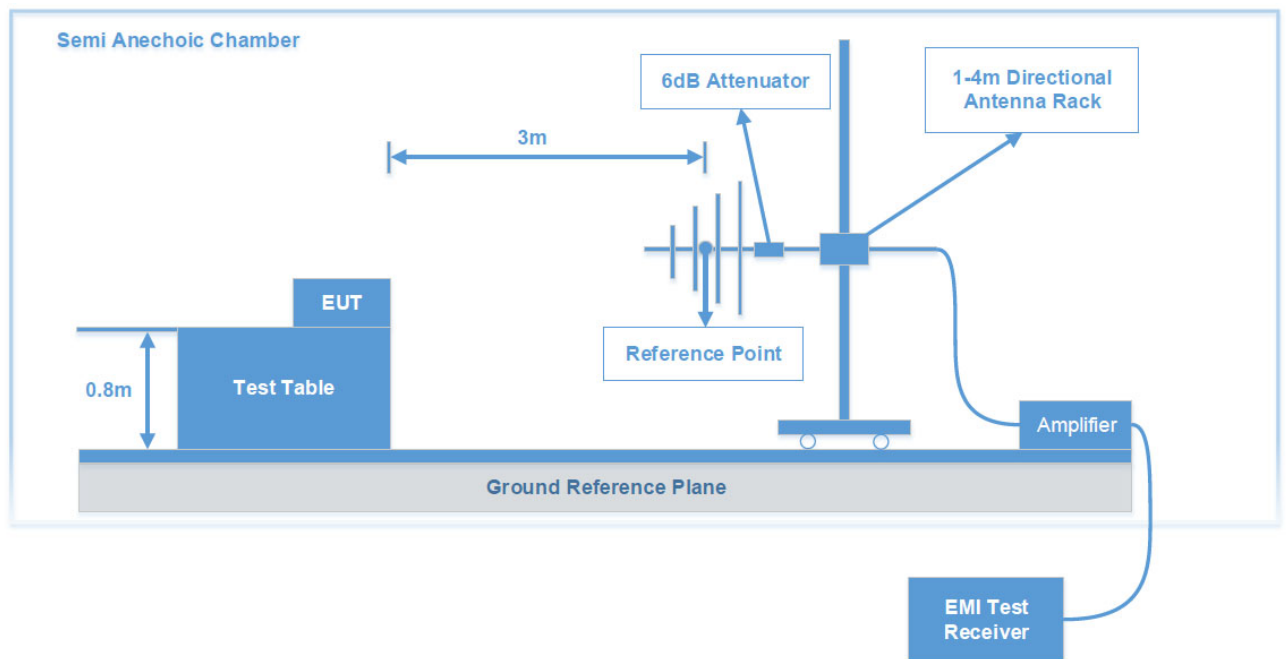
According to 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: $E [\text{dB}\mu\text{V/m}] = \text{EIRP} [\text{dBm}] + 95.2$, for $d = 3$ meters.

Test System Setup

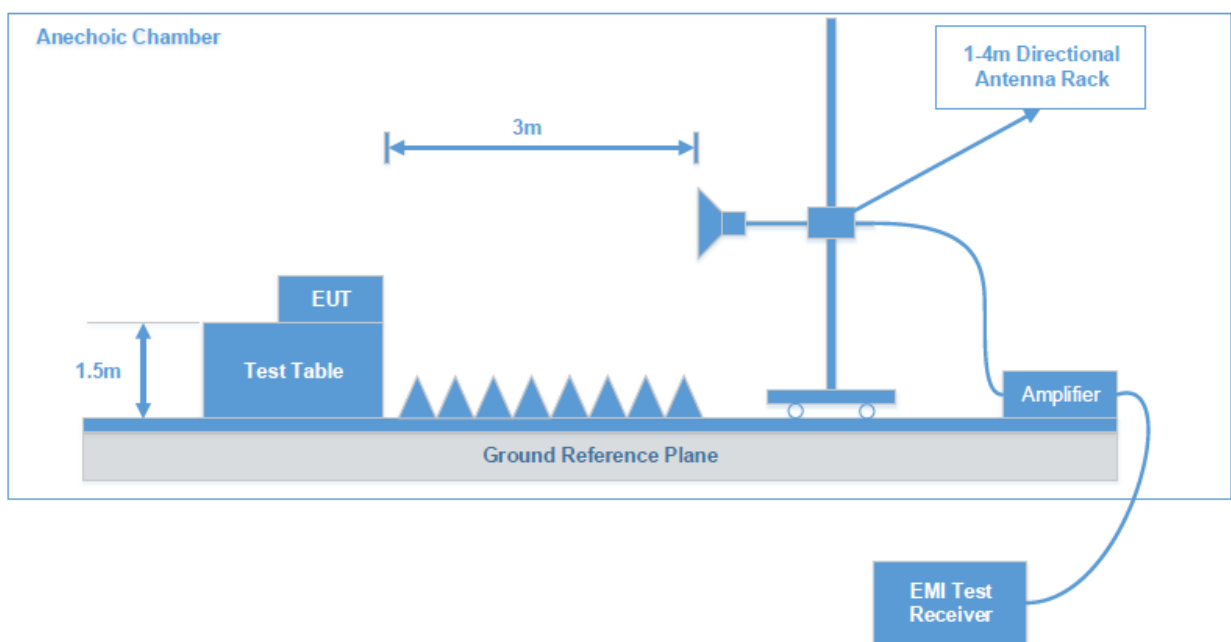
9kHz–30 MHz:



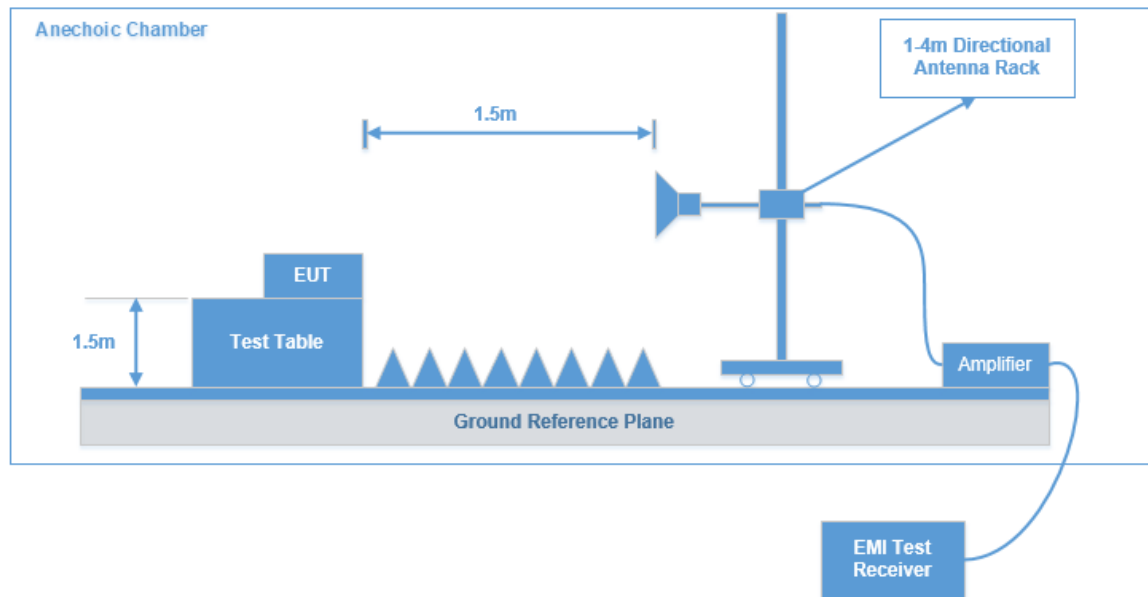
30MHz-1GHz:



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 C63.10-2013. The specification used was the FCC 15.209 and FCC 15.407 limits. The limit at 1.5m for 18-40 GHz is 80dB μ V/m (Peak) and 60dB μ V/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

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

Frequency Range	RBW	VBW	IF B/W	Measurement
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

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.

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:

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

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

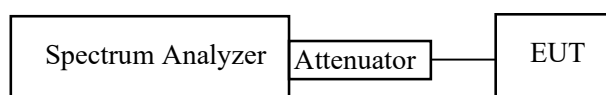
1. Emission Bandwidth (EBW)

- Set RBW = approximately 1% 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 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:

- 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

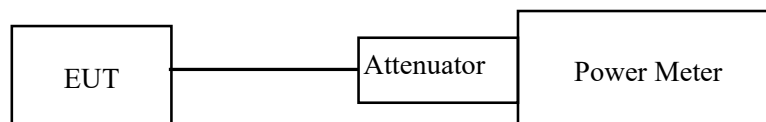
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting 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

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.



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 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.

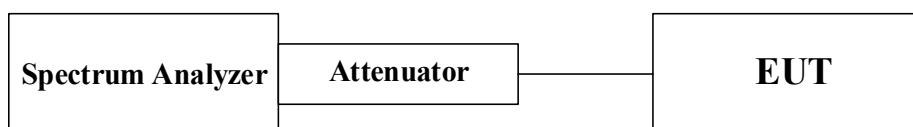
Test Procedure

The measurements are base on C63.10:2013

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

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT F - TEST SETUP PHOTOGRAPHS.

APPENDIX - TEST DATA

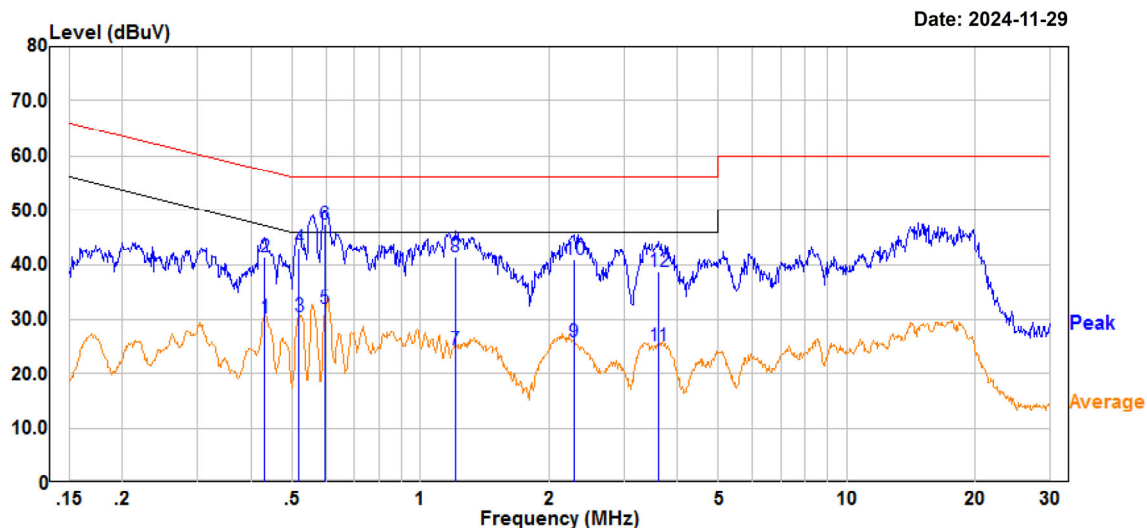
Environmental Conditions & Test Information

Test Item:	CONDUCTED EMISSIONS	UNWANTED EMISSIONS & RESTRICTED FREQUENCY BANDS			
		9 kHz-30 MHz	30 MHz-1GHz	1 GHz-18 GHz	18 GHz-40 GHz
Test Date:	2024-11-29	2024-12-17	2024-12-02	2024-11-30	2024-12-06
Temperature:	17.3 °C	19 °C	16.8 °C	20.3 °C	22.5 °C
Relative Humidity:	35 %	42 %	48 %	51 %	45 %
ATM Pressure:	102.4 kPa	101.2 kPa	101.8 kPa	102.2kPa	100.9 kPa
Test Result:	Pass	Pass	Pass	Pass	Pass
Test Engineer:	Myles Miao	Jerry Yan	Jerry Yan	Destine Hu	Hugh Wu

Test Item:	Emission Bandwidth	Conducted Transmitter Output Power	Power Spectral Density	Duty cycle
Test Date:	2024-12-11 to 2025-01-17	2024-12-11 to 2024-12-12	2024-12-11 to 2024-12-12	2024-12-11
Temperature:	22-24 °C	22-24 °C	22-24 °C	24 °C
Relative Humidity:	40-45 %	40-45 %	40-45 %	45 %
ATM Pressure:	101.2-102.8kPa	101.2-101.6kPa	101.2-101.6kPa	101.6kPa
Test Result:	Pass	Pass	Pass	/
Test Engineer:	Neil Zhou	Neil Zhou	Neil Zhou	Neil Zhou

EUT operation mode: Transmitting in 802.11ac40 mode 5230MHz (maximum output power)

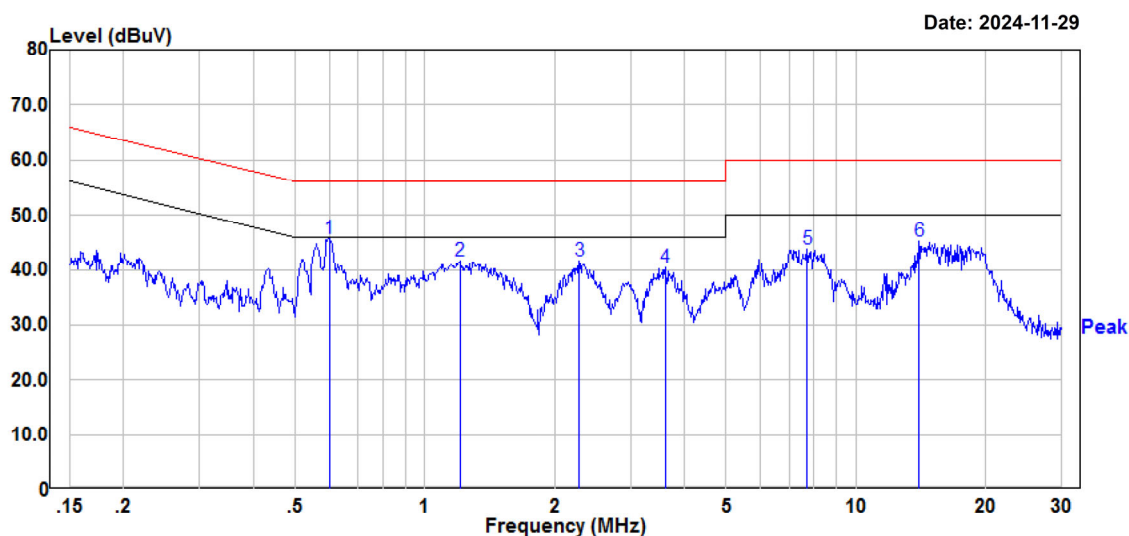
AC 120V/60 Hz, Line



Site : CE
Condition : limit\FCC PART 15.207
Project No. : RKSA240906001
Model : F600
Phase : L
Voltage : 120V/60Hz
Mode : 5G WIFI
Test Equipment : ENV216,ESR
Receiver Setting : RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature : 17.3°C
Humidity : 35%
Atmospheric pressure: 102.4kPa
Test Engineer : Myles Miao

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.432	9.89	20.23	30.12	47.22	-17.10	Average
2	0.432	21.19	20.23	41.42	57.22	-15.80	QP
3	0.519	10.40	20.12	30.52	46.00	-15.48	Average
4	0.519	22.80	20.12	42.92	56.00	-13.08	QP
5	0.597	11.70	20.10	31.80	46.00	-14.20	Average
6	0.597	27.30	20.10	47.40	56.00	-8.60	QP
7	1.205	4.60	19.84	24.44	46.00	-21.56	Average
8	1.205	21.40	19.84	41.24	56.00	-14.76	QP
9	2.292	5.80	20.18	25.98	46.00	-20.02	Average
10	2.292	20.60	20.18	40.78	56.00	-15.22	QP
11	3.607	4.91	20.24	25.15	46.00	-20.85	Average
12	3.607	18.41	20.24	38.65	56.00	-17.35	QP

AC 120V/60 Hz, Neutral

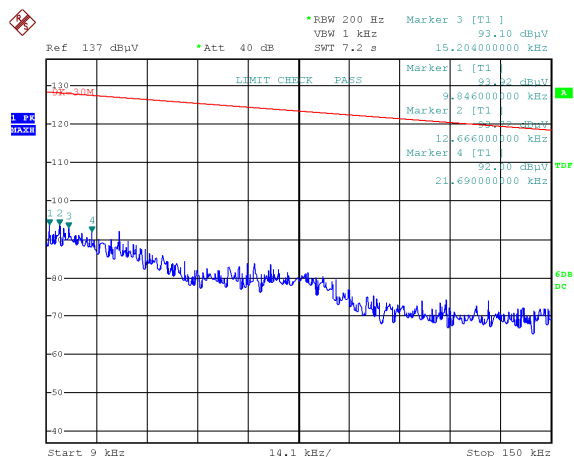
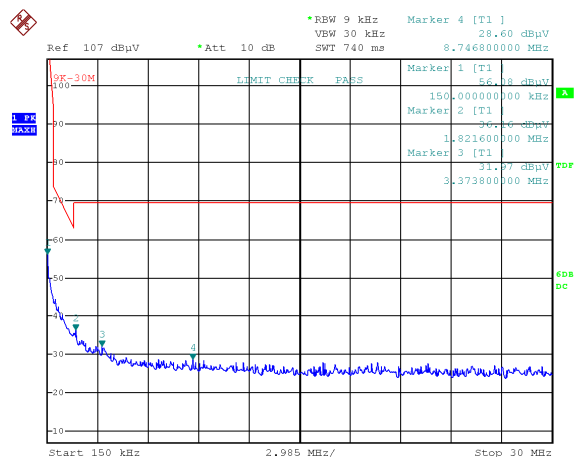


Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA240906001
Model : F600
Phase : N
Voltage : 120V/60Hz
Mode : 5G WIFI
Test Equipment : ENV216,ESR
Receiver Setting : RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature : 17.3℃
Humidity : 35%
Atmospheric pressure: 102.4kPa
Test Engineer : Myles Miao

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.600	25.61	20.10	45.71	56.00	-10.29	Peak
2	1.205	21.73	19.84	41.57	56.00	-14.43	Peak
3	2.280	21.35	20.18	41.53	56.00	-14.47	Peak
4	3.607	20.16	20.24	40.40	56.00	-15.60	Peak
5	7.694	23.62	20.13	43.75	60.00	-16.25	Peak
6	13.994	25.48	19.75	45.23	60.00	-14.77	Peak

Transmitter Unwanted Emissions & Restricted frequency bands

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

9 kHz-30 MHz: Transmitting in 802.11ac40 mode 5230MHz (maximum output power)**Parallel(worst case)****9kHz-150kHz****150kHz-30MHz**

Project No.RKSA240906001
Date: 17.DEC.2024 19:26:57

Tester:Jerry Yan

Project No.RKSA240906001
Date: 17.DEC.2024 19:30:20

Tester:Jerry Yan

9 kHz - 150 kHz

Frequency (kHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
9.85	93.92	PK	56.48	127.74	33.82
12.66	93.72	PK	54.67	125.56	31.84
15.20	93.10	PK	53.06	123.97	30.87
21.69	92.00	PK	49.53	120.88	28.88

150 kHz - 30 MHz

Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.15	56.08	PK	50.90	104.08	48.00
1.82	36.16	PK	12.06	69.54	33.38
3.37	31.97	PK	13.46	69.54	37.57
8.75	28.60	PK	6.40	69.54	40.94

30MHz-1GHz: Transmitting in 802.11ac40 mode 5230MHz (maximum output power)

Common Information

Project No:

EUT Model:

Test Mode:

Standard:

Test Equipment:

Receiver Setting:

Temperature:

Humidity:

Barometric Pressure:

Test Engineer:

Test Date:

RKSA240906001

F600

Transmitting in 802.11 a mode

FCC Part 15.205 &FCC Part 15.209&FCC Part 15.407

ESCI, JB3, 310N

RBW:120 kHz, VBW: 300 kHz, Sweep Time: Auto

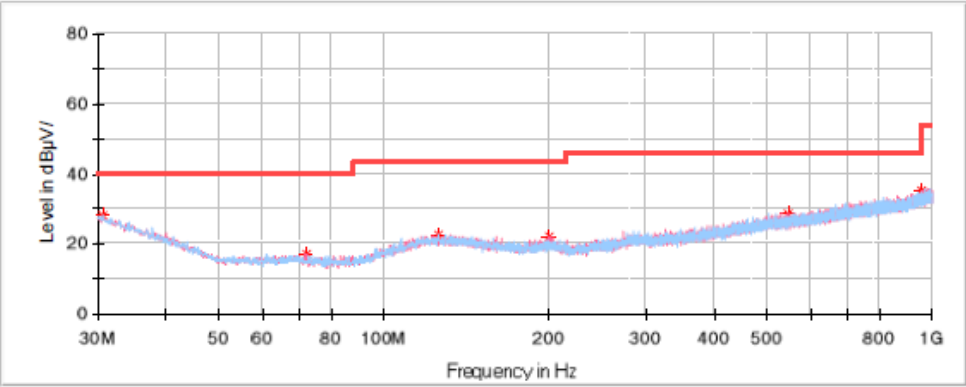
16.8℃

48%

101.8kPa

Jerry Yan

2024/12/02

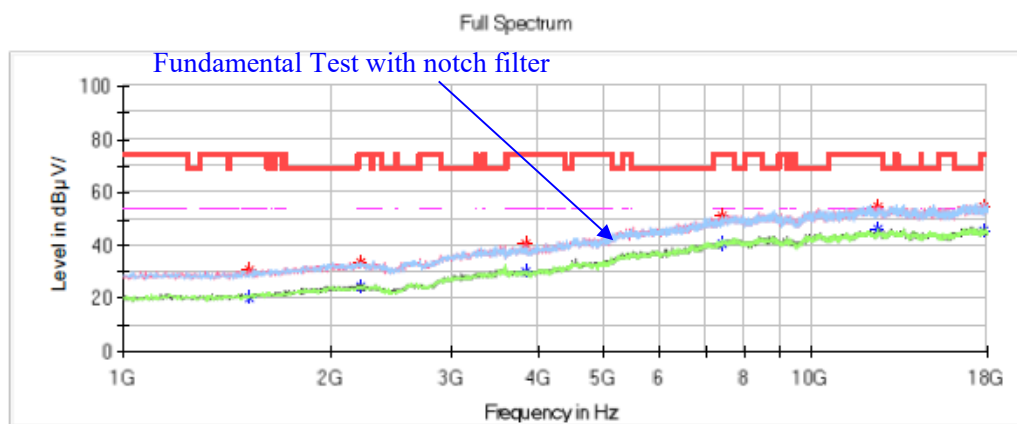


Critical Freqs

Frequency (MHz)	MaxPeak (dBμ V/m)	Limit (dBμ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.606250	27.97	40.00	12.03	H	-5.1
72.073750	17.10	40.00	22.90	V	-16.7
125.423750	22.55	43.50	20.95	H	-11.0
199.386250	22.25	43.50	21.25	V	-12.1
546.040000	28.67	46.00	17.33	V	-4.7
956.835000	35.11	46.00	10.89	V	1.6

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

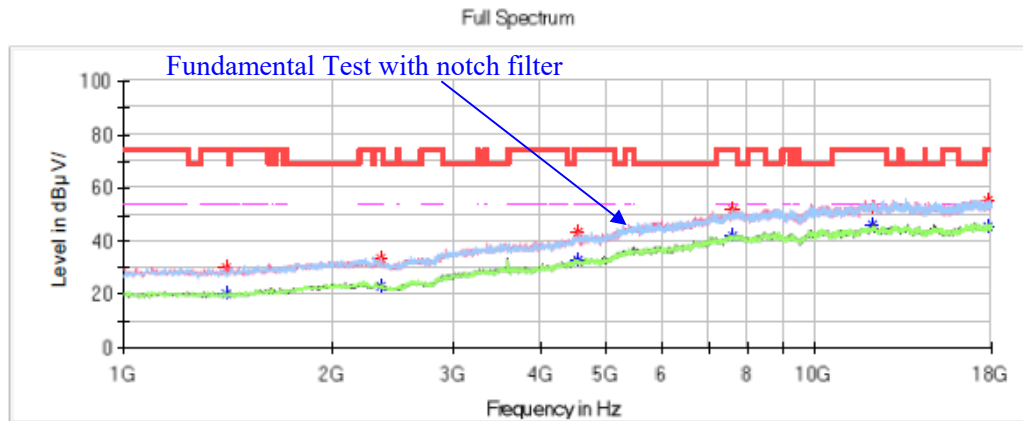
Project No.: RKSA240906001
Test Mode: Transmitting in 802.11a mode low channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

**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)
1520.200000	---	20.32	54.00	33.68	H	-14.6
1520.200000	30.80	---	74.00	43.20	H	-14.6
2217.200000	---	24.79	54.00	29.21	V	-11.1
2217.200000	33.59	---	74.00	40.41	V	-11.1
3832.200000	---	29.99	54.00	24.01	V	-6.1
3832.200000	40.48	---	74.00	33.52	V	-6.1
7402.200000	---	40.74	54.00	13.26	H	3.6
7402.200000	51.16	---	74.00	22.84	H	3.6
12498.800000	54.75	---	74.00	19.25	V	9.7
12498.800000	---	45.82	54.00	8.18	V	9.7
17768.800000	---	45.35	54.00	8.65	H	11.8
17768.800000	54.81	---	74.00	19.19	H	11.8

Middle Channel: 5200MHz**Common Information**

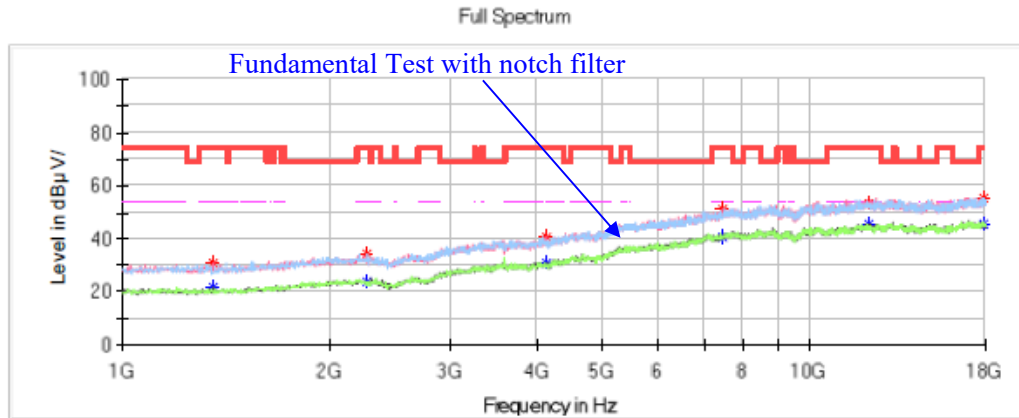
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode middle channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

**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)
1404.600000	30.18	---	74.00	43.82	V	-14.9
1404.600000	---	20.62	54.00	33.38	V	-14.9
2349.800000	---	22.77	54.00	31.23	V	-10.6
2349.800000	33.41	---	74.00	40.59	V	-10.6
4553.000000	---	32.61	54.00	21.39	V	-4.1
4553.000000	43.50	---	74.00	30.50	V	-4.1
7579.000000	---	41.69	54.00	12.31	H	3.9
7579.000000	52.07	---	74.00	21.93	H	3.9
12131.600000	---	45.91	54.00	8.09	V	9.2
12131.600000	52.66	---	74.00	21.34	V	9.2
17772.200000	---	45.67	54.00	8.33	H	11.8
17772.200000	55.33	---	74.00	18.67	H	11.8

High Channel: 5240MHz**Common Information**

Project No.: RKSA240906001
 Test Mode: Transmitting in 802.11a mode high channel
 Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Test Engineer: Destine Hu

**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)
1353.600000	---	21.38	54.00	32.62	V	-14.9
1353.600000	30.45	---	74.00	43.55	V	-14.9
2271.600000	---	23.43	54.00	30.57	H	-10.9
2271.600000	34.04	---	74.00	39.96	H	-10.9
4138.200000	---	30.94	54.00	23.06	V	-5.5
4138.200000	40.42	---	74.00	33.58	V	-5.5
7470.200000	---	40.90	54.00	13.10	V	3.8
7470.200000	50.99	---	74.00	23.01	V	3.8
12141.800000	52.94	---	74.00	21.06	H	9.2
12141.800000	---	45.51	54.00	8.49	H	9.2
17921.800000	---	45.19	54.00	8.81	V	11.9
17921.800000	55.33	---	74.00	18.67	V	11.9

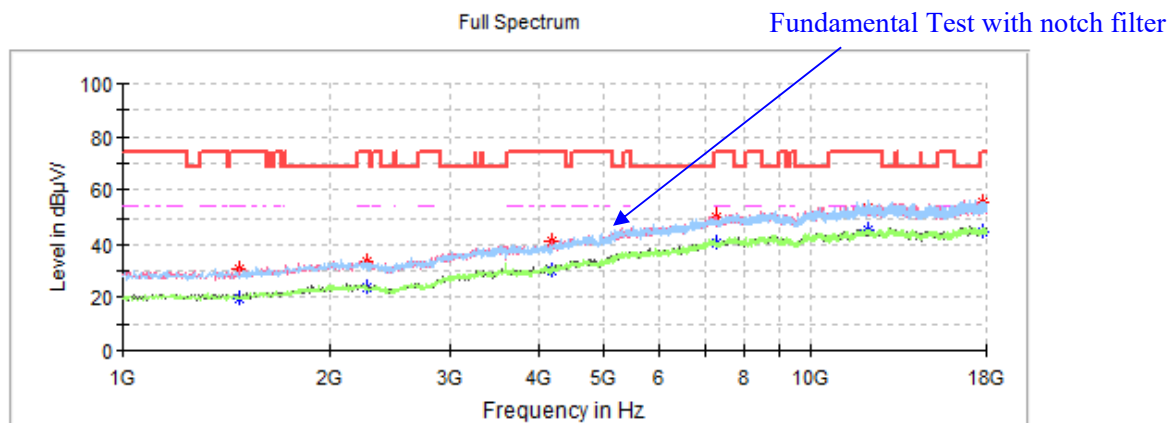
802.11ac20 Mode:

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5180MHz						
1435.200000	30.49	---	74.00	43.51	H	-14.8
1435.200000	---	20.41	54.00	33.59	H	-14.8
2251.200000	33.41	---	74.00	40.59	V	-10.9
2251.200000	---	22.98	54.00	31.02	V	-10.9
4060.000000	---	30.30	54.00	23.70	V	-5.7
4060.000000	40.92	---	74.00	33.08	V	-5.7
8398.400000	---	42.88	54.00	11.12	H	5.1
8398.400000	53.64	---	74.00	20.36	H	5.1
12488.600000	52.40	---	74.00	21.60	H	9.6
12488.600000	---	45.66	54.00	8.34	H	9.6
17915.000000	55.52	---	74.00	18.48	V	11.9
17915.000000	---	45.48	54.00	8.52	V	11.9
Middle Channel: 5200MHz						
Full Spectrum Fundamental Test with notch filter						
1591.600000	31.31	---	74.00	42.69	H	-14.2
1591.600000	---	21.73	54.00	32.27	H	-14.2
2213.800000	---	24.40	54.00	29.60	H	-11.1
2213.800000	33.40	---	74.00	40.60	H	-11.1
4026.000000	---	30.71	54.00	23.29	V	-5.8
4026.000000	40.78	---	74.00	33.22	V	-5.8
7531.400000	---	42.06	54.00	11.94	H	3.9
7531.400000	51.15	---	74.00	22.85	H	3.9
12138.400000	---	45.72	54.00	8.28	V	9.2
12138.400000	53.47	---	74.00	20.53	V	9.2
17840.200000	55.43	---	74.00	18.57	H	11.8
17840.200000	---	46.12	54.00	7.88	H	11.8
High Channel: 5240MHz						
1489.600000	---	20.83	54.00	33.17	H	-14.7
1489.600000	30.71	---	74.00	43.29	H	-14.7
2292.000000	---	23.65	54.00	30.35	H	-10.8
2292.000000	34.52	---	74.00	39.48	H	-10.8
3771.000000	---	31.15	54.00	22.85	V	-6.1
3771.000000	39.40	---	74.00	34.60	V	-6.1
7575.600000	---	41.05	54.00	12.95	V	3.9
7575.600000	52.49	---	74.00	21.51	V	3.9
12124.800000	53.74	---	74.00	20.26	H	9.1
12124.800000	---	46.07	54.00	7.93	H	9.1
17949.000000	---	45.44	54.00	8.56	V	11.9
17949.000000	55.66	---	74.00	18.34	V	11.9

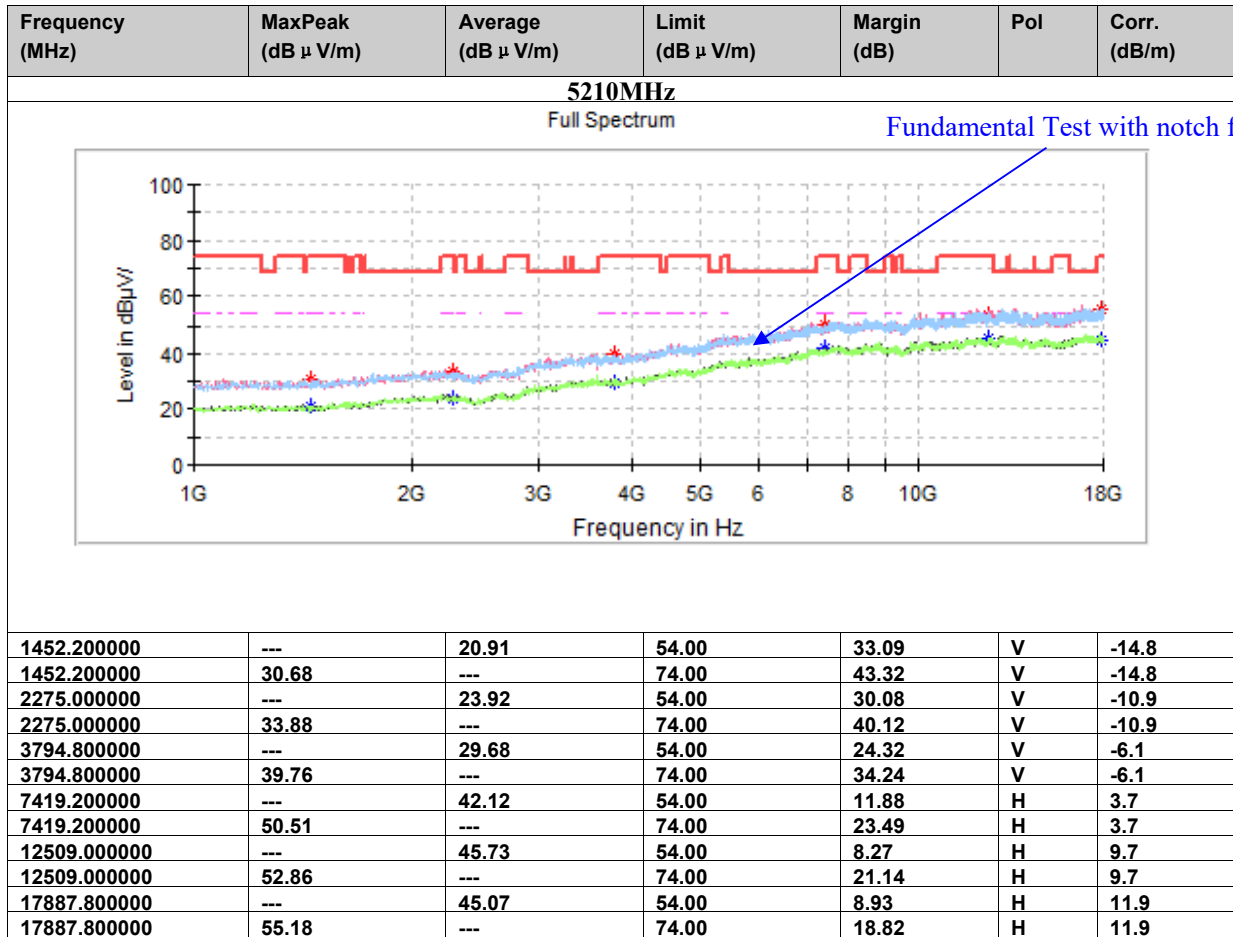
802.11ac40 Mode:

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5190MHz						
1469.200000	---	20.70	54.00	33.30	V	-14.8
1469.200000	30.86	---	74.00	43.14	V	-14.8
2217.200000	34.38	---	74.00	39.62	H	-11.1
2217.200000	---	25.36	54.00	28.64	H	-11.1
4175.600000	---	30.70	54.00	23.30	V	-5.3
4175.600000	40.27	---	74.00	33.73	V	-5.3
8412.000000	---	42.46	54.00	11.54	V	5.2
8412.000000	53.34	---	74.00	20.66	V	5.2
12152.000000	53.20	---	74.00	20.80	V	9.2
12152.000000	---	45.63	54.00	8.37	V	9.2
17721.200000	---	45.00	54.00	9.00	H	11.7
17721.200000	56.29	---	74.00	17.71	H	11.7

High Channel: 5230MHz

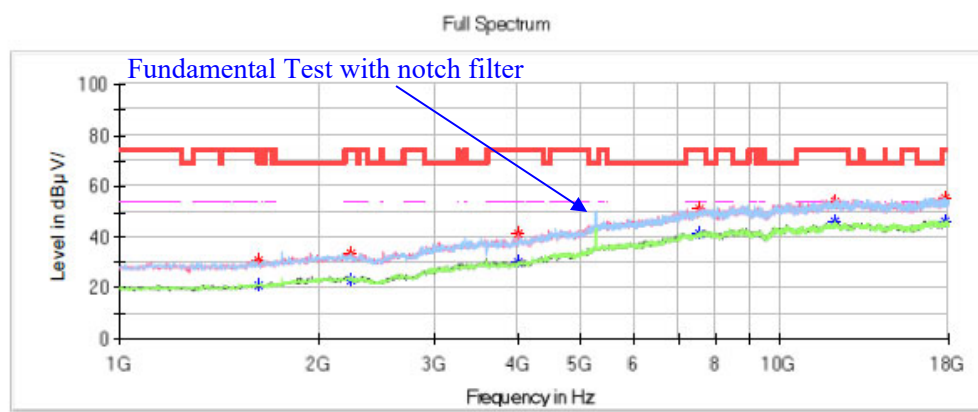


1479.400000	---	19.88	54.00	34.12	V	-14.8
1479.400000	30.45	---	74.00	43.55	V	-14.8
2271.600000	---	23.45	54.00	30.55	H	-10.9
2271.600000	33.80	---	74.00	40.20	H	-10.9
4179.000000	---	30.19	54.00	23.81	V	-5.3
4179.000000	40.98	---	74.00	33.02	V	-5.3
7266.200000	---	40.25	54.00	13.75	V	3.3
7266.200000	50.50	---	74.00	23.50	V	3.3
12135.000000	52.87	---	74.00	21.13	H	9.2
12135.000000	---	45.78	54.00	8.22	H	9.2
17782.400000	---	45.00	54.00	9.00	H	11.8
17782.400000	55.50	---	74.00	18.50	H	11.8

802.11ac80 Mode:

1GHz-18GHz(5250-5350MHz Band):**802.11a Mode:****Low Channel: 5260MHz****Common Information**

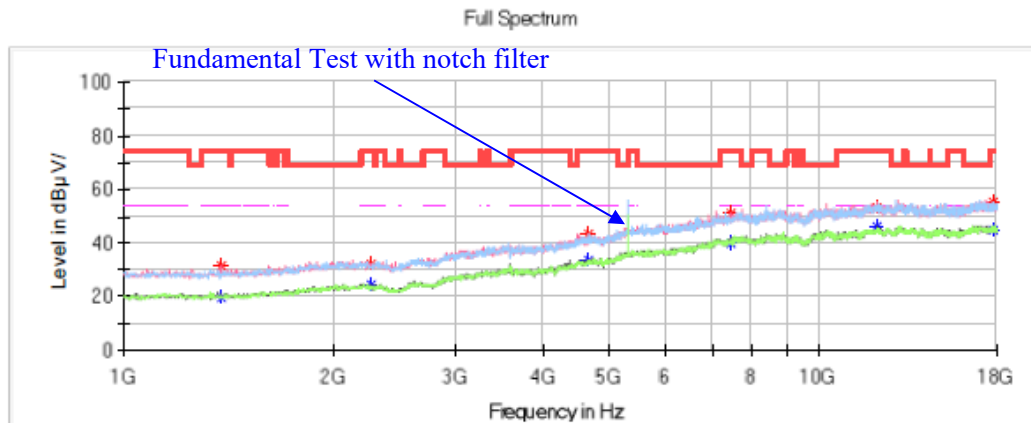
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode low channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

**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)
1618.800000	30.75	---	74.00	43.25	V	-14.0
1618.800000	---	20.93	54.00	33.07	V	-14.0
2234.200000	33.51	---	74.00	40.49	V	-11.0
2234.200000	---	23.19	54.00	30.81	V	-11.0
4012.400000	41.16	---	74.00	32.84	V	-5.9
4012.400000	---	29.94	54.00	24.06	V	-5.9
7568.800000	51.15	---	74.00	22.85	V	3.9
7568.800000	---	40.92	54.00	13.08	V	3.9
12090.800000	---	46.28	54.00	7.72	H	9.1
12090.800000	53.99	---	74.00	20.01	H	9.1
17792.600000	---	46.44	54.00	7.56	H	11.8
17792.600000	55.26	---	74.00	18.74	H	11.8

Middle Channel: 5280MHz**Common Information**

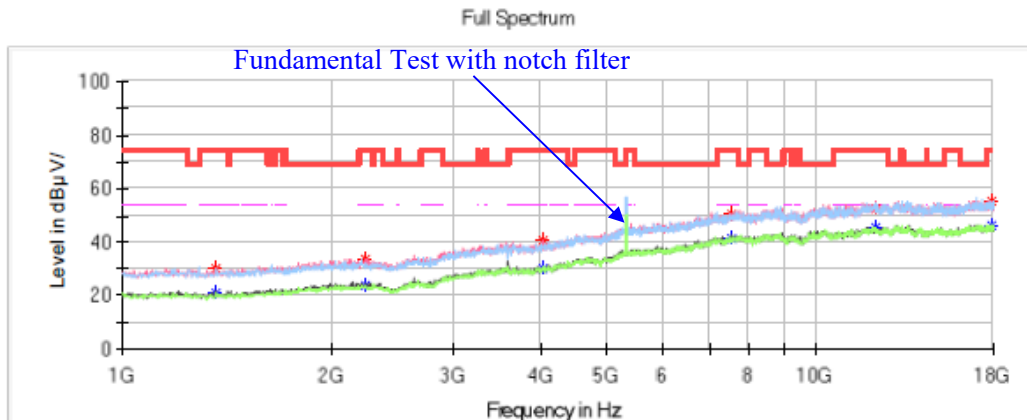
Project No.: RKSA240906001
Test Mode: Transmitting in 802.11a mode middle channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

**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)
1377.400000	31.62	---	74.00	42.38	V	-14.9
1377.400000	---	19.68	54.00	34.32	V	-14.9
2271.600000	32.49	---	74.00	41.51	V	-10.9
2271.600000	---	24.13	54.00	29.87	V	-10.9
4658.400000	---	33.41	54.00	20.59	H	-3.7
4658.400000	43.24	---	74.00	30.76	H	-3.7
7463.400000	---	40.18	54.00	13.82	V	3.8
7463.400000	50.75	---	74.00	23.25	V	3.8
12073.800000	---	45.86	54.00	8.14	H	9.1
12073.800000	53.00	---	74.00	21.00	H	9.1
17731.400000	---	44.90	54.00	9.10	H	11.7
17731.400000	55.21	---	74.00	18.79	H	11.7

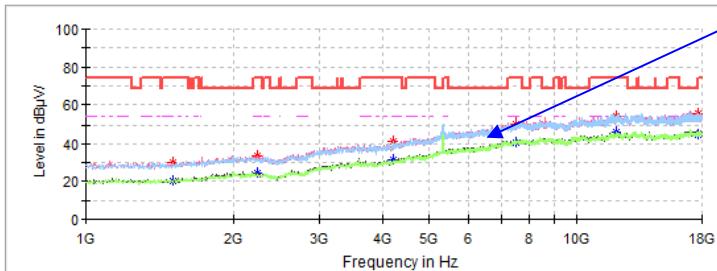
High Channel: 5320MHz**Common Information**

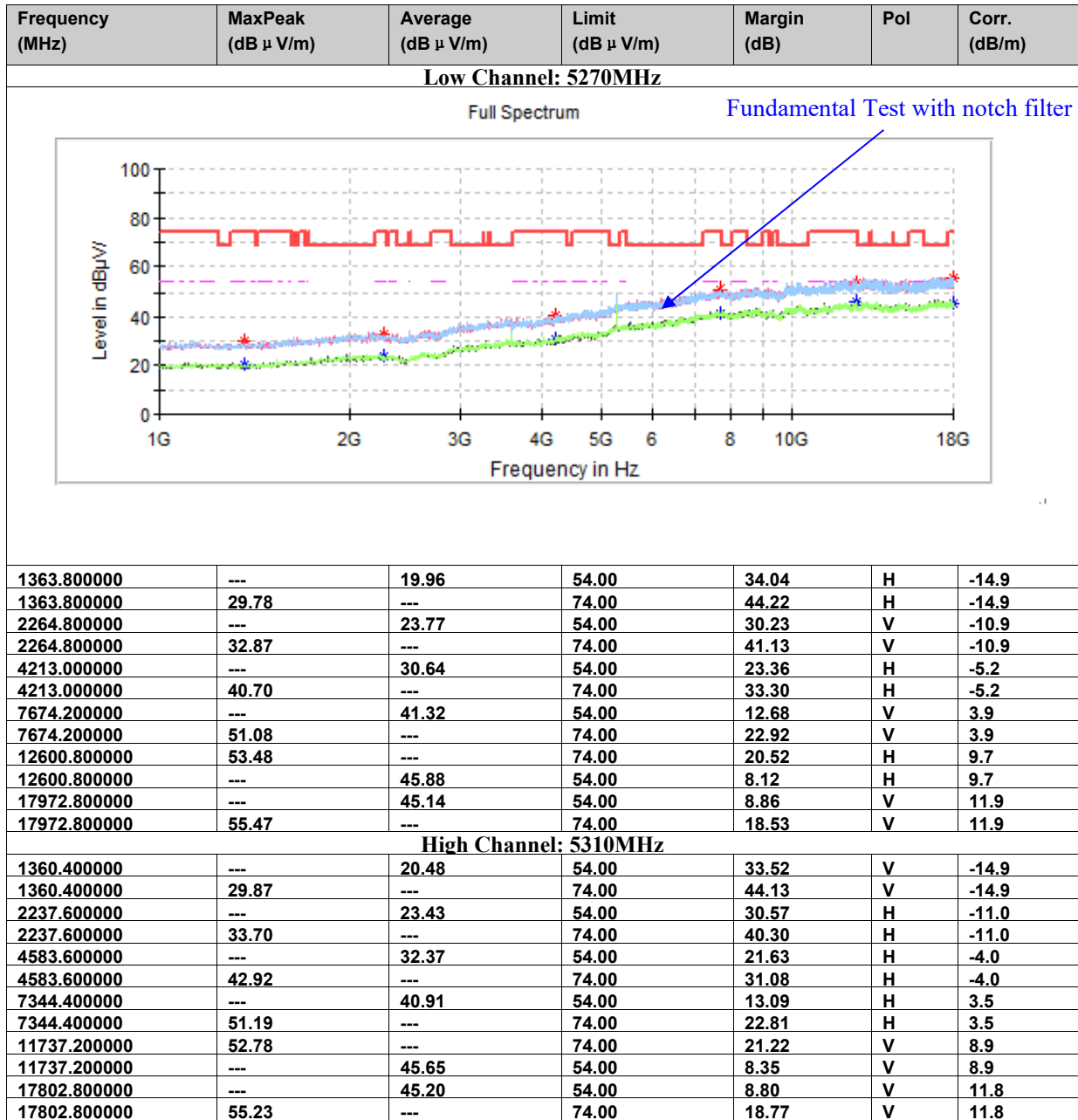
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode high channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

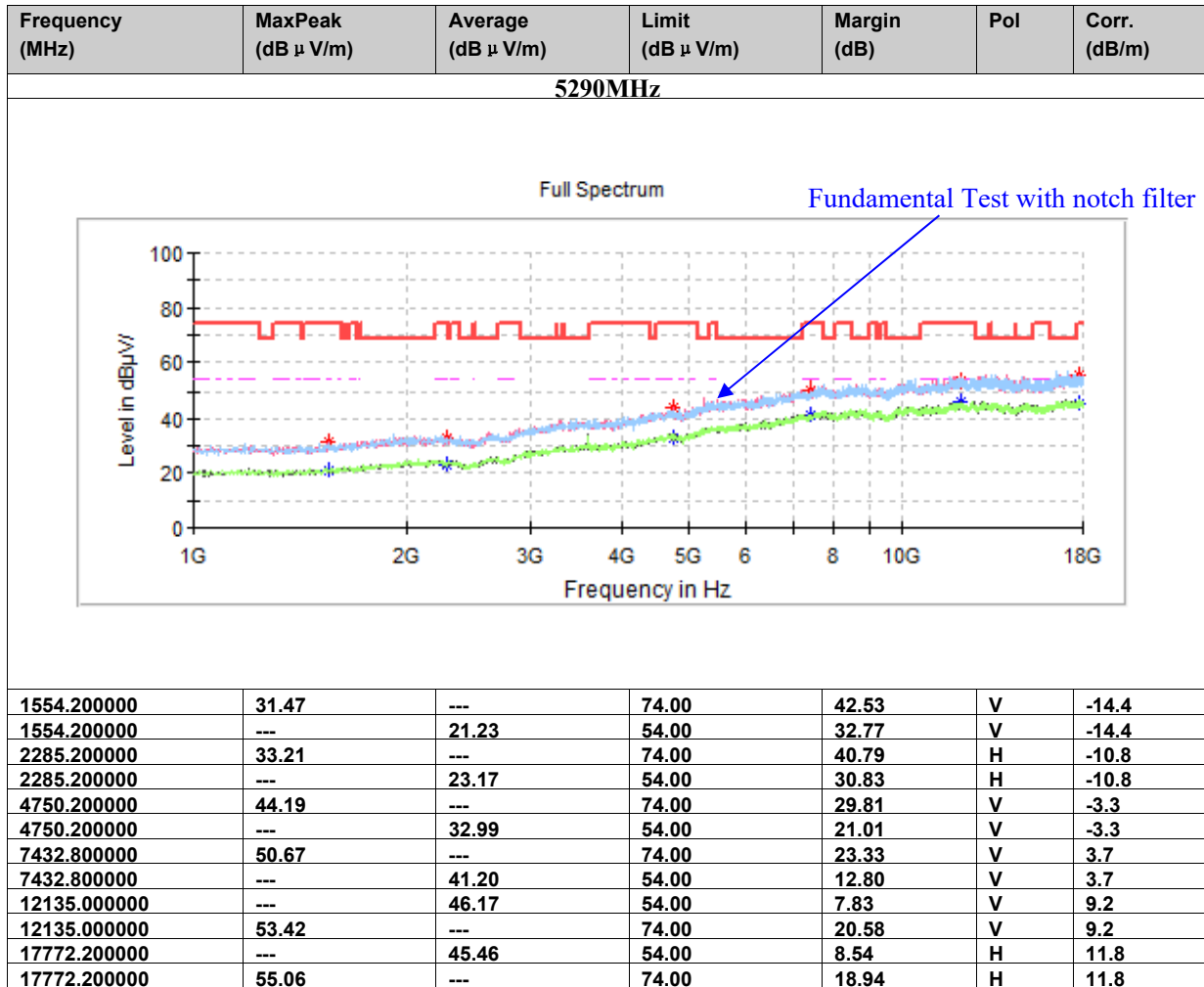
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1367.200000	---	20.66	54.00	33.34	H	-14.9
1367.200000	30.35	---	74.00	43.65	H	-14.9
2237.600000	---	23.74	54.00	30.26	V	-11.0
2237.600000	33.51	---	74.00	40.49	V	-11.0
4026.000000	---	30.38	54.00	23.62	V	-5.8
4026.000000	40.35	---	74.00	33.65	V	-5.8
7568.800000	---	41.13	54.00	12.87	V	3.9
7568.800000	50.65	---	74.00	23.35	V	3.9
12158.800000	52.70	---	74.00	21.30	V	9.2
12158.800000	---	45.63	54.00	8.37	V	9.2
17853.800000	---	45.96	54.00	8.04	H	11.8
17853.800000	55.46	---	74.00	18.54	H	11.8

802.11ac20 Mode:

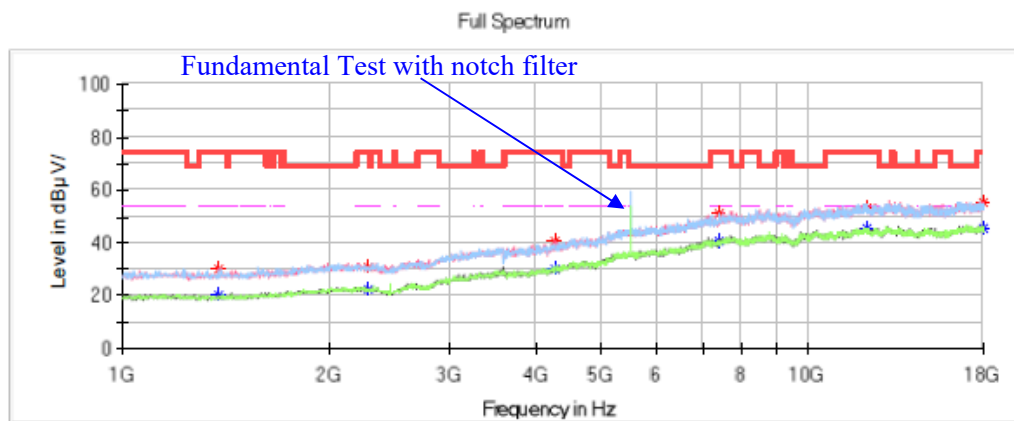
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5260MHz						
1346.800000	29.85	---	74.00	44.15	V	-15.0
1346.800000	---	20.54	54.00	33.46	V	-15.0
2271.600000	32.87	---	74.00	41.13	H	-10.9
2271.600000	---	22.92	54.00	31.08	H	-10.9
3703.000000	40.02	---	74.00	33.98	H	-6.2
3703.000000	---	29.17	54.00	24.83	H	-6.2
7293.400000	50.29	---	74.00	23.71	H	3.4
7293.400000	---	40.45	54.00	13.55	H	3.4
12583.800000	52.99	---	74.00	21.01	V	9.7
12583.800000	---	46.06	54.00	7.94	V	9.7
17945.600000	---	44.89	54.00	9.11	H	11.9
17945.600000	55.35	---	74.00	18.65	H	11.9
Middle Channel: 5280MHz						
1455.600000	---	20.82	54.00	33.18	H	-14.8
1455.600000	30.96	---	74.00	43.04	H	-14.8
2271.600000	---	24.10	54.00	29.90	V	-10.9
2271.600000	32.73	---	74.00	41.27	V	-10.9
4114.400000	---	30.60	54.00	23.40	H	-5.5
4114.400000	39.73	---	74.00	34.27	H	-5.5
7439.600000	---	41.00	54.00	13.00	V	3.7
7439.600000	50.80	---	74.00	23.20	V	3.7
12128.200000	52.80	---	74.00	21.20	V	9.1
12128.200000	---	45.98	54.00	8.02	V	9.1
17959.200000	---	45.22	54.00	8.78	H	11.9
17959.200000	55.93	---	74.00	18.07	H	11.9
High Channel: 5320MHz						
Full Spectrum 						
1506.600000	---	20.06	54.00	33.94	V	-14.7
1506.600000	30.13	---	74.00	43.87	V	-14.7
2237.600000	---	24.33	54.00	29.67	V	-11.0
2237.600000	33.53	---	74.00	40.47	V	-11.0
4216.400000	---	31.55	54.00	22.45	H	-5.2
4216.400000	41.54	---	74.00	32.46	H	-5.2
7504.200000	---	40.55	54.00	13.45	V	3.9
7504.200000	50.36	---	74.00	23.64	V	3.9
11992.200000	53.80	---	74.00	20.20	H	9.0
11992.200000	---	46.18	54.00	7.82	H	9.0
17704.200000	---	44.64	54.00	9.36	V	11.7
17704.200000	55.09	---	74.00	18.91	V	11.7

802.11ac40 Mode:

802.11ac80 Mode:

1GHz-18GHz(5470-5725MHz Band):**802.11a Mode:****Low Channel: 5500MHz****Common Information**

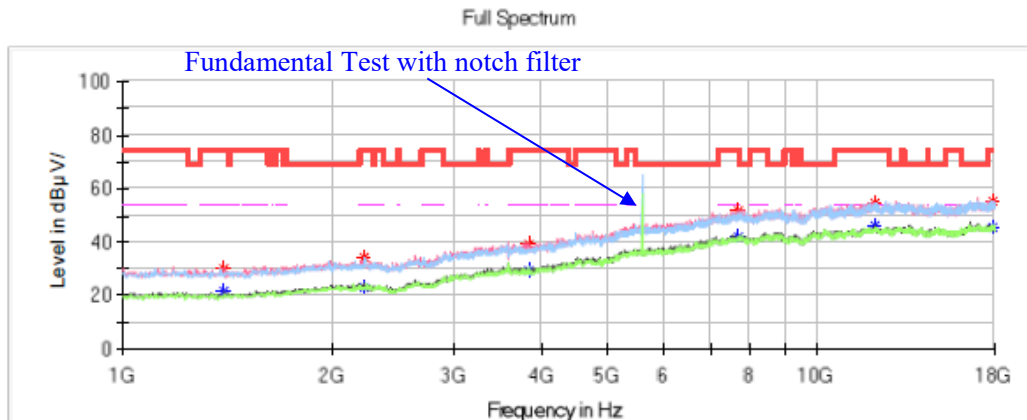
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode low channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

**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)
1380.800000	---	20.22	54.00	33.78	V	-14.9
1380.800000	29.89	---	74.00	44.11	V	-14.9
2275.000000	---	22.48	54.00	31.52	V	-10.9
2275.000000	30.96	---	74.00	43.04	V	-10.9
4257.200000	---	30.14	54.00	23.86	V	-5.1
4257.200000	40.69	---	74.00	33.31	V	-5.1
7432.800000	---	40.65	54.00	13.35	H	3.7
7432.800000	51.03	---	74.00	22.97	H	3.7
12162.200000	---	45.72	54.00	8.28	V	9.2
12162.200000	53.24	---	74.00	20.76	V	9.2
17945.600000	---	45.69	54.00	8.31	H	11.9
17945.600000	55.57	---	74.00	18.43	H	11.9

Middle Channel: 5580MHz**Common Information**

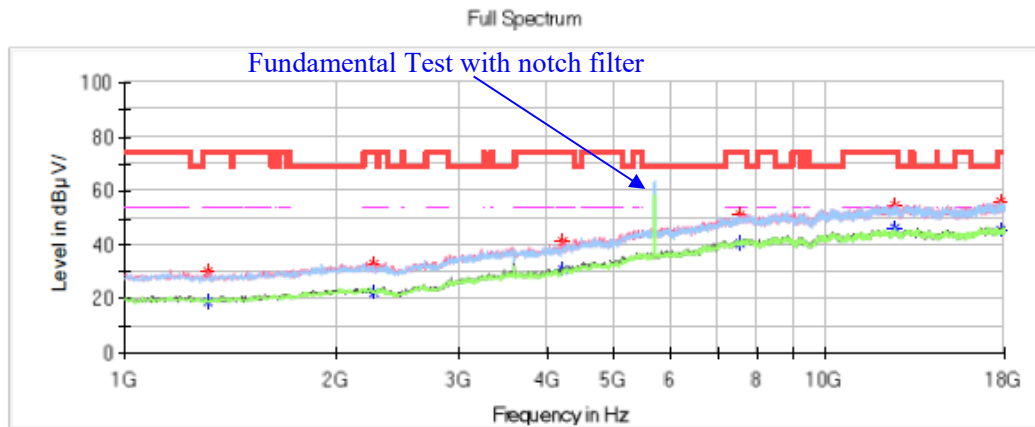
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode middle channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

**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)
1397.800000	---	21.64	54.00	32.36	V	-14.9
1397.800000	29.76	---	74.00	44.24	V	-14.9
2230.800000	---	22.84	54.00	31.16	V	-11.0
2230.800000	33.93	---	74.00	40.07	V	-11.0
3832.200000	---	29.28	54.00	24.72	H	-6.1
3832.200000	39.31	---	74.00	34.69	H	-6.1
7711.600000	---	41.65	54.00	12.35	V	3.9
7711.600000	51.57	---	74.00	22.43	V	3.9
12121.400000	---	46.01	54.00	7.99	V	9.1
12121.400000	54.31	---	74.00	19.69	V	9.1
17843.600000	---	45.39	54.00	8.61	H	11.8
17843.600000	55.50	---	74.00	18.50	H	11.8

High Channel: 5700MHz**Common Information**

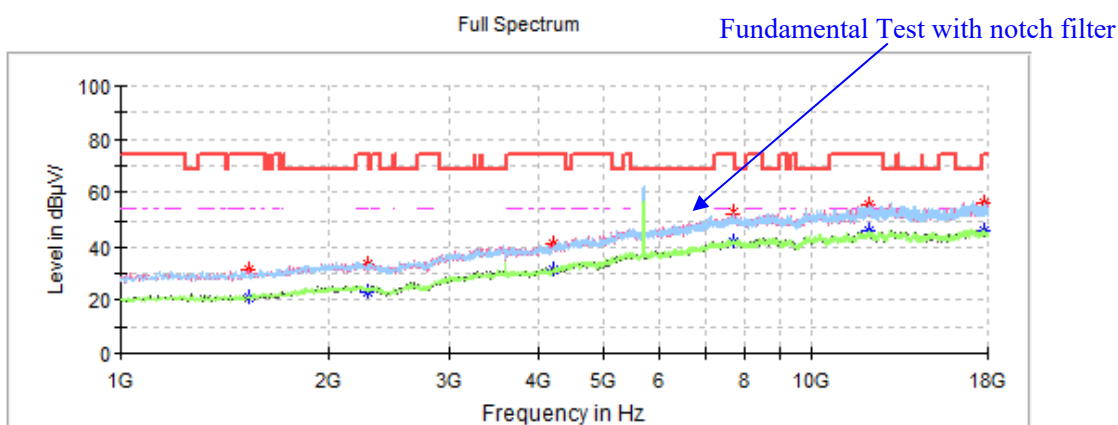
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode high channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

**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)
1312.800000	---	18.99	54.00	35.01	V	-15.0
1312.800000	30.13	---	74.00	43.87	V	-15.0
2271.600000	---	22.45	54.00	31.55	H	-10.9
2271.600000	32.71	---	74.00	41.29	H	-10.9
4216.400000	---	30.95	54.00	23.05	V	-5.2
4216.400000	41.18	---	74.00	32.82	V	-5.2
7575.600000	---	40.80	54.00	13.20	H	3.9
7575.600000	51.35	---	74.00	22.65	H	3.9
12532.800000	---	46.06	54.00	7.94	H	9.7
12532.800000	54.63	---	74.00	19.37	H	9.7
17755.200000	---	45.28	54.00	8.72	V	11.7
17755.200000	55.84	---	74.00	18.16	V	11.7

802.11ac20 Mode:

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5500MHz						
1448.800000	---	20.12	54.00	33.88	V	-14.8
1448.800000	30.04	---	74.00	43.96	V	-14.8
2315.800000	---	22.77	54.00	31.23	V	-10.7
2315.800000	33.65	---	74.00	40.35	V	-10.7
3883.200000	---	28.34	54.00	25.66	V	-6.0
3883.200000	39.79	---	74.00	34.21	V	-6.0
7592.600000	---	41.16	54.00	12.84	V	3.9
7592.600000	51.33	---	74.00	22.67	V	3.9
12165.600000	53.86	---	74.00	20.14	H	9.2
12165.600000	---	45.87	54.00	8.13	H	9.2
17904.800000	---	45.61	54.00	8.39	H	11.9
17904.800000	56.30	---	74.00	17.70	H	11.9
Middle Channel: 5580MHz						
1567.800000	30.95	---	74.00	43.05	V	-14.3
1567.800000	---	20.09	54.00	33.91	V	-14.3
2241.000000	---	23.43	54.00	30.57	V	-11.0
2241.000000	32.20	---	74.00	41.80	V	-11.0
4012.400000	---	28.45	54.00	25.55	H	-5.9
4012.400000	39.74	---	74.00	34.26	H	-5.9
7701.400000	---	41.81	54.00	12.19	H	3.9
7701.400000	51.38	---	74.00	22.62	H	3.9
11808.600000	---	45.38	54.00	8.62	V	8.9
11808.600000	52.92	---	74.00	21.08	V	8.9
17874.200000	---	46.05	54.00	7.95	H	11.9
17874.200000	55.16	---	74.00	18.84	H	11.9

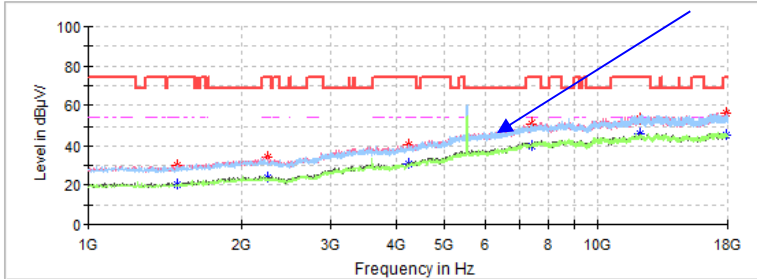
High Channel: 5700MHz

1533.800000	---	21.11	54.00	32.89	V	-14.5
1533.800000	31.64	---	74.00	42.36	V	-14.5
2288.600000	---	23.29	54.00	30.71	H	-10.8
2288.600000	33.80	---	74.00	40.20	H	-10.8
4219.800000	---	31.61	54.00	22.39	V	-5.2
4219.800000	41.42	---	74.00	32.58	V	-5.2
7684.400000	---	41.92	54.00	12.08	H	3.9
7684.400000	52.69	---	74.00	21.31	H	3.9
12124.800000	---	46.18	54.00	7.82	H	9.1
12124.800000	55.52	---	74.00	18.48	H	9.1
17772.200000	---	45.83	54.00	8.17	V	11.8
17772.200000	56.07	---	74.00	17.93	V	11.8

802.11ac40 Mode:

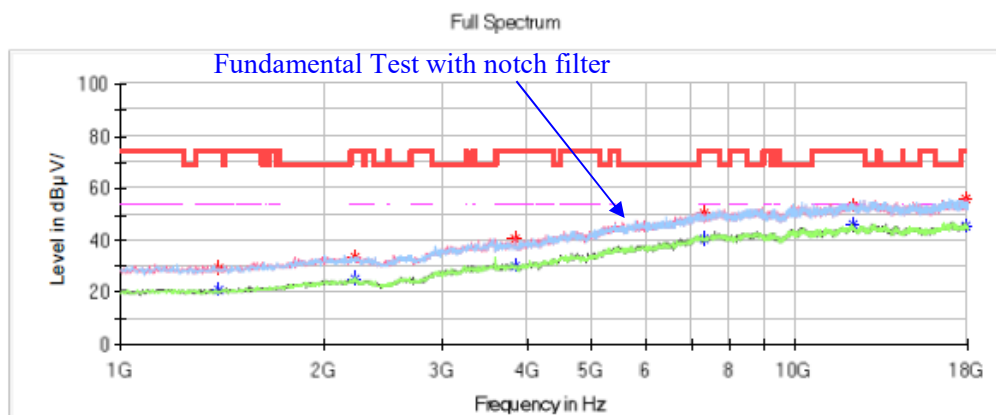
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5510MHz						
1496.400000	---	20.86	54.00	33.14	H	-14.7
1496.400000	31.04	---	74.00	42.96	H	-14.7
2210.400000	---	24.80	54.00	29.20	H	-11.1
2210.400000	34.26	---	74.00	39.74	H	-11.1
4546.200000	---	33.49	54.00	20.51	V	-4.1
4546.200000	43.24	---	74.00	30.76	V	-4.1
7589.200000	---	41.24	54.00	12.76	V	3.9
7589.200000	51.78	---	74.00	22.22	V	3.9
12182.600000	---	46.05	54.00	7.95	H	9.2
12182.600000	54.33	---	74.00	19.67	H	9.2
17887.800000	---	45.19	54.00	8.81	V	11.9
17887.800000	55.00	---	74.00	19.00	V	11.9
Middle Channel: 5550MHz						
1510.000000	---	20.17	54.00	33.83	V	-14.7
1510.000000	30.64	---	74.00	43.36	V	-14.7
2295.400000	---	23.70	54.00	30.30	V	-10.8
2295.400000	32.35	---	74.00	41.65	V	-10.8
4321.800000	---	30.36	54.00	23.64	V	-4.8
4321.800000	40.99	---	74.00	33.01	V	-4.8
7630.000000	---	41.11	54.00	12.89	H	3.9
7630.000000	50.92	---	74.00	23.08	H	3.9
15922.600000	52.72	---	74.00	21.28	H	9.5
15922.600000	---	46.24	54.00	7.76	H	9.5
17898.000000	---	45.69	54.00	8.31	H	11.9
17898.000000	55.52	---	74.00	18.48	H	11.9
High Channel: 5670MHz						
Full Spectrum Fundamental Test with notch filter						
1442.000000	---	20.22	54.00	33.78	V	-14.8
1442.000000	30.02	---	74.00	43.98	V	-14.8
2217.200000	---	23.43	54.00	30.57	V	-11.1
2217.200000	33.81	---	74.00	40.19	V	-11.1
3675.800000	---	29.39	54.00	24.61	V	-6.2
3675.800000	40.36	---	74.00	33.64	V	-6.2
8408.600000	---	41.90	54.00	12.10	V	5.1
8408.600000	52.75	---	74.00	21.25	V	5.1
11829.000000	52.47	---	74.00	21.53	H	8.9
11829.000000	---	46.28	54.00	7.72	H	8.9
17932.000000	---	45.81	54.00	8.19	H	11.9
17932.000000	56.26	---	74.00	17.74	H	11.9

802.11ac80 Mode:

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5530MHz						
Full Spectrum Fundamental Test with notch filter 						
1493.000000	---	20.33	54.00	33.67	V	-14.7
1493.000000	30.22	---	74.00	43.78	V	-14.7
2251.200000	---	23.49	54.00	30.51	V	-10.9
2251.200000	33.93	---	74.00	40.07	V	-10.9
4240.200000	---	30.52	54.00	23.48	H	-5.1
4240.200000	40.86	---	74.00	33.14	H	-5.1
7405.600000	---	40.05	54.00	13.95	V	3.7
7405.600000	51.06	---	74.00	22.94	V	3.7
12128.200000	53.47	---	74.00	20.53	H	9.1
12128.200000	---	46.00	54.00	8.00	H	9.1
17857.200000	---	45.58	54.00	8.42	H	11.8
17857.200000	56.04	---	74.00	17.96	H	11.8
High Channel: 5610MHz						
1363.800000	---	20.08	54.00	33.92	H	-14.9
1363.800000	30.06	---	74.00	43.94	H	-14.9
2258.000000	---	23.06	54.00	30.94	H	-10.9
2258.000000	32.19	---	74.00	41.81	H	-10.9
3784.600000	39.14	---	74.00	34.86	H	-6.1
3784.600000	---	28.76	54.00	25.24	H	-6.1
7470.200000	50.48	---	74.00	23.52	V	3.8
7470.200000	---	40.36	54.00	13.64	V	3.8
12101.000000	52.29	---	74.00	21.71	V	9.1
12101.000000	---	45.96	54.00	8.04	V	9.1
17898.000000	---	45.79	54.00	8.21	V	11.9
17898.000000	56.41	---	74.00	17.59	V	11.9

1GHz-18GHz(5725-5850MHz Band):**802.11a Mode:****Low Channel: 5745MHz****Common Information**

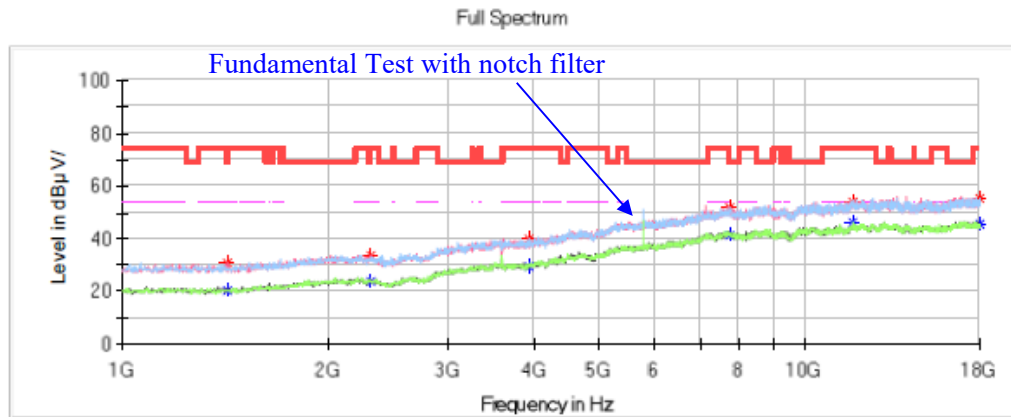
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode low channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
1397.800000	---	21.18	54.00	32.82	V	-14.9
1397.800000	29.71	---	74.00	44.29	V	-14.9
2220.600000	---	24.93	54.00	29.07	H	-11.0
2220.600000	33.56	---	74.00	40.44	H	-11.0
3835.600000	---	30.20	54.00	23.80	V	-6.1
3835.600000	40.62	---	74.00	33.38	V	-6.1
7327.400000	---	40.30	54.00	13.70	H	3.5
7327.400000	50.67	---	74.00	23.33	H	3.5
12165.600000	52.93	---	74.00	21.07	V	9.2
12165.600000	---	46.07	54.00	7.93	V	9.2
17843.600000	---	45.47	54.00	8.53	V	11.8
17843.600000	55.96	---	74.00	18.04	V	11.8

Middle Channel: 5785MHz**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11a mode middle channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

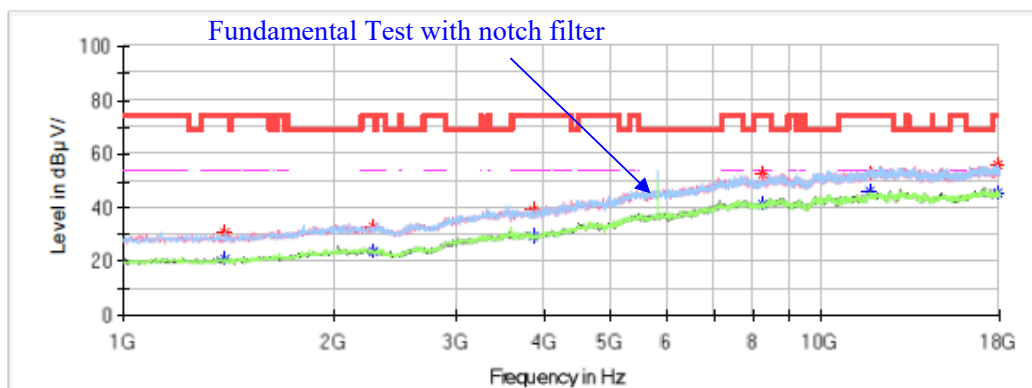
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1425.000000	30.69	---	74.00	43.31	V	-14.8
1425.000000	---	20.53	54.00	33.47	V	-14.8
2312.400000	33.47	---	74.00	40.53	V	-10.8
2312.400000	---	24.06	54.00	29.94	V	-10.8
3944.400000	40.19	---	74.00	33.81	H	-6.0
3944.400000	---	29.71	54.00	24.29	H	-6.0
7742.200000	---	41.03	54.00	12.97	V	3.9
7742.200000	51.66	---	74.00	22.34	V	3.9
11744.000000	---	46.26	54.00	7.74	H	8.9
11744.000000	54.02	---	74.00	19.98	H	8.9
17962.600000	---	45.42	54.00	8.58	H	11.9
17962.600000	55.36	---	74.00	18.64	H	11.9

High Channel: 5825MHz**Common Information**

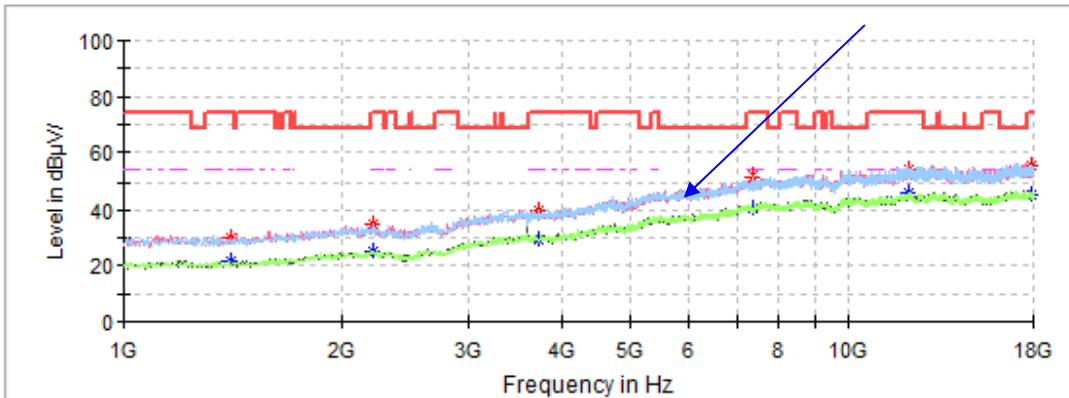
Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode high channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

Full Spectrum

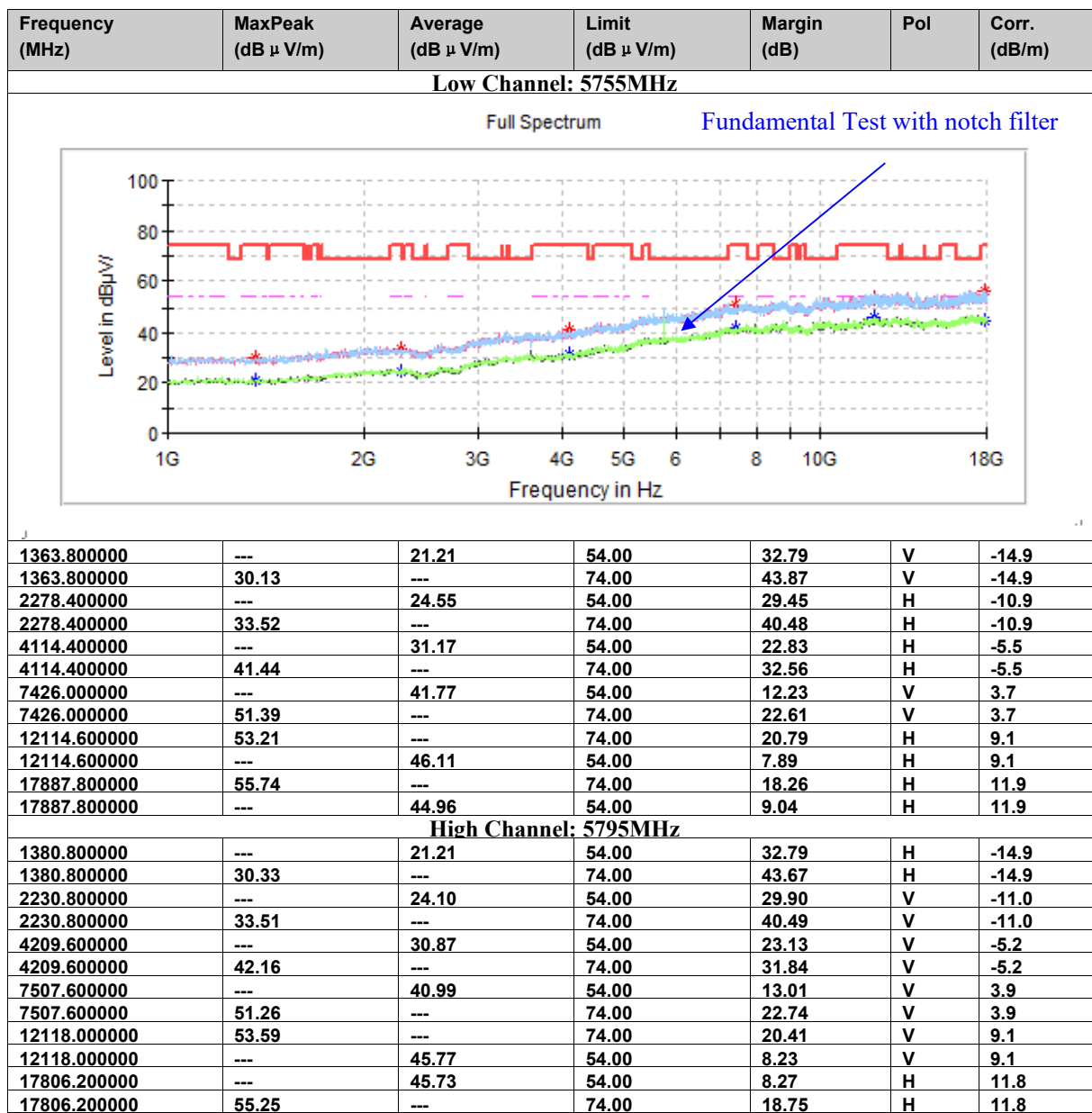
**Critical Freqs**

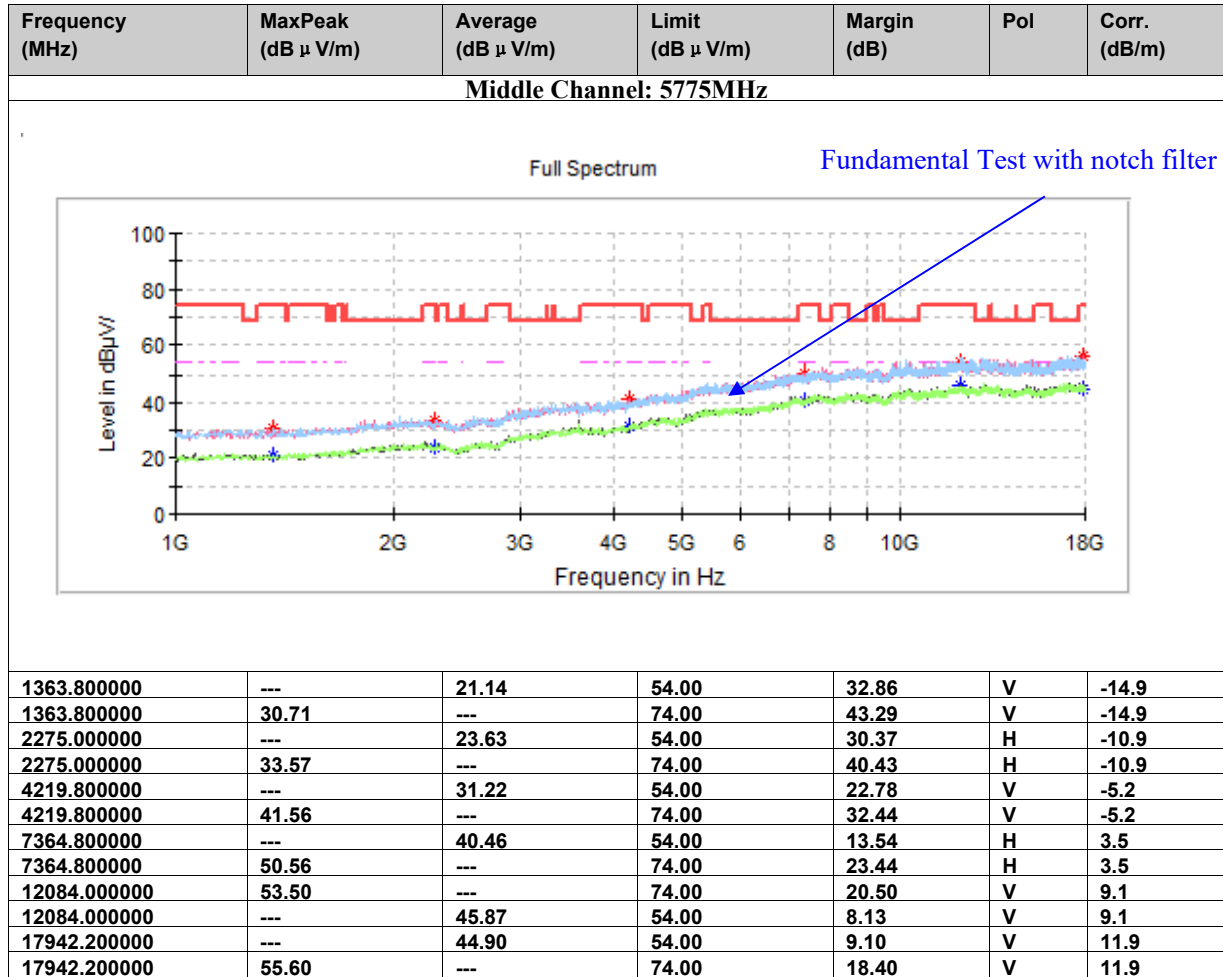
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1401.200000	---	20.77	54.00	33.23	H	-14.9
1401.200000	30.83	---	74.00	43.17	H	-14.9
2278.400000	---	23.62	54.00	30.38	H	-10.9
2278.400000	33.17	---	74.00	40.83	H	-10.9
3869.600000	---	29.68	54.00	24.32	H	-6.0
3869.600000	39.35	---	74.00	34.65	H	-6.0
8221.600000	---	41.06	54.00	12.94	V	4.6
8221.600000	52.21	---	74.00	21.79	V	4.6
11723.600000	52.12	---	74.00	21.88	V	8.9
11723.600000	---	45.93	54.00	8.07	V	8.9
17881.000000	---	45.62	54.00	8.38	H	11.9
17881.000000	55.65	---	74.00	18.35	H	11.9

802.11ac20 Mode:

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
Low Channel: 5745MHz						
1401.200000	---	20.74	54.00	33.26	H	-14.9
1401.200000	30.26	---	74.00	43.74	H	-14.9
2237.600000	---	24.79	54.00	29.21	H	-11.0
2237.600000	33.85	---	74.00	40.15	H	-11.0
4206.200000	---	31.38	54.00	22.62	V	-5.2
4206.200000	41.52	---	74.00	32.48	V	-5.2
8405.200000	---	43.34	54.00	10.66	V	5.1
8405.200000	52.75	---	74.00	21.25	V	5.1
12481.800000	53.69	---	74.00	20.31	H	9.6
12481.800000	---	45.88	54.00	8.12	H	9.6
17813.000000	---	46.14	54.00	7.86	H	11.8
17813.000000	55.48	---	74.00	18.52	H	11.8
Middle Channel: 5785MHz						
1595.000000	---	21.55	54.00	32.45	H	-14.2
1595.000000	32.00	---	74.00	42.00	H	-14.2
2200.200000	---	24.88	54.00	29.12	V	-11.1
2200.200000	34.90	---	74.00	39.10	V	-11.1
4233.400000	---	31.08	54.00	22.92	H	-5.1
4233.400000	42.39	---	74.00	31.61	H	-5.1
8408.600000	---	42.67	54.00	11.33	V	5.1
8408.600000	52.94	---	74.00	21.06	V	5.1
11737.200000	53.78	---	74.00	20.22	V	8.9
11737.200000	---	46.08	54.00	7.92	V	8.9
17884.400000	---	45.40	54.00	8.60	H	11.9
17884.400000	55.29	---	74.00	18.71	H	11.9
High Channel: 5825MHz						
Full Spectrum Fundamental Test with notch filter 						
1404.600000	---	21.41	54.00	32.59	V	-14.9
1404.600000	30.23	---	74.00	43.77	V	-14.9
2217.200000	---	25.51	54.00	28.49	V	-11.1
2217.200000	34.85	---	74.00	39.15	V	-11.1
3733.600000	---	29.21	54.00	24.79	H	-6.1
3733.600000	39.84	---	74.00	34.16	H	-6.1
7371.600000	---	40.35	54.00	13.65	V	3.6
7371.600000	51.48	---	74.00	22.52	V	3.6
12124.800000	53.59	---	74.00	20.41	H	9.1
12124.800000	---	46.38	54.00	7.62	H	9.1
17850.400000	---	45.80	54.00	8.20	V	11.8
17850.400000	55.49	---	74.00	18.51	V	11.8

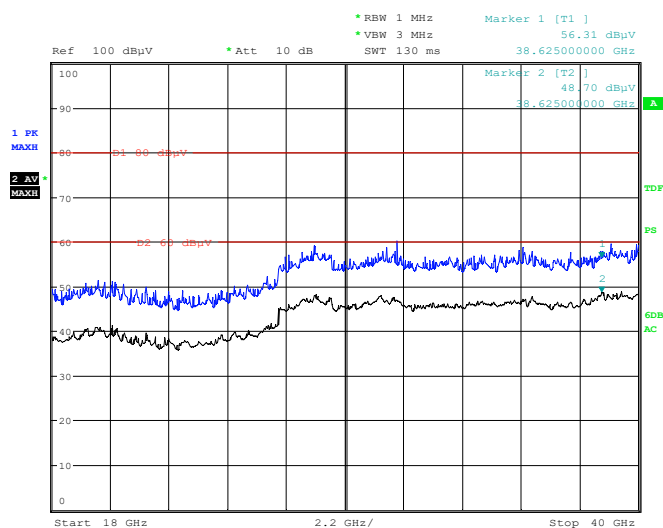
802.11ac40 Mode:



802.11ac80 Mode:

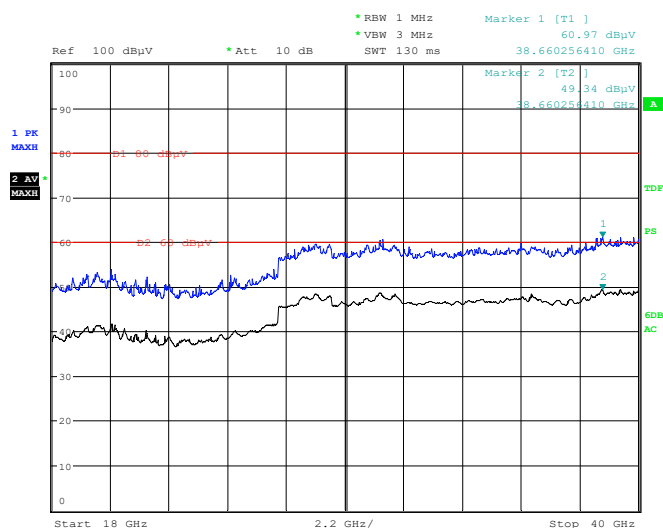
18GHz-40GHz:

Pre-scan with 802.11a, 802.11ac20, 802.11ac40, 802.11ac80 modes of operation in the X,Y and Z axes of orientation, the worst case **802.11ac40 mode 5230MHz** was recorded

Horizontal

Project No :RKSA240906001
Date: 6,DEC.2024 20:11:25

Tester :Hugh Wu

Vertical

Project No :RKSA240906001
Date: 6,DEC.2024 20:32:50

Tester :Hugh Wu

Note: The test distance is 1.5m. The limit is 80dBμ V/m(Peak) and 60dBμ V/m(Average).

Restricted Bands Emissions Test (5150-5250MHz Band):

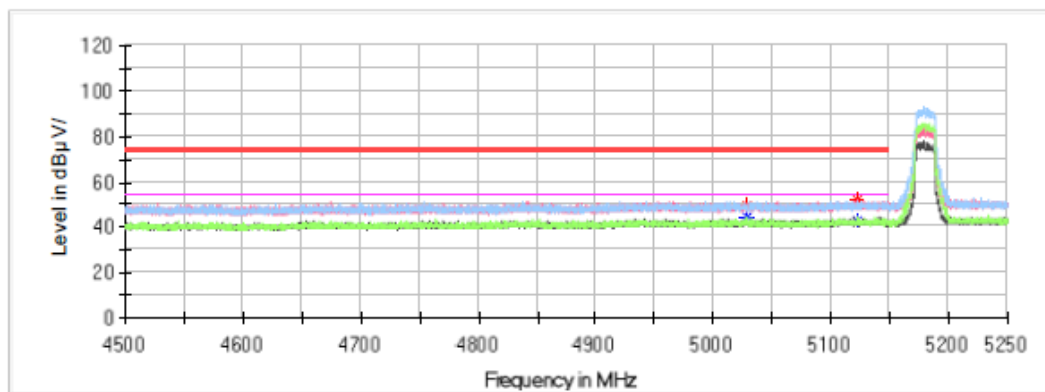
Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

802.11a Mode:**Common Information**

Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode 5180 channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

Full Spectrum

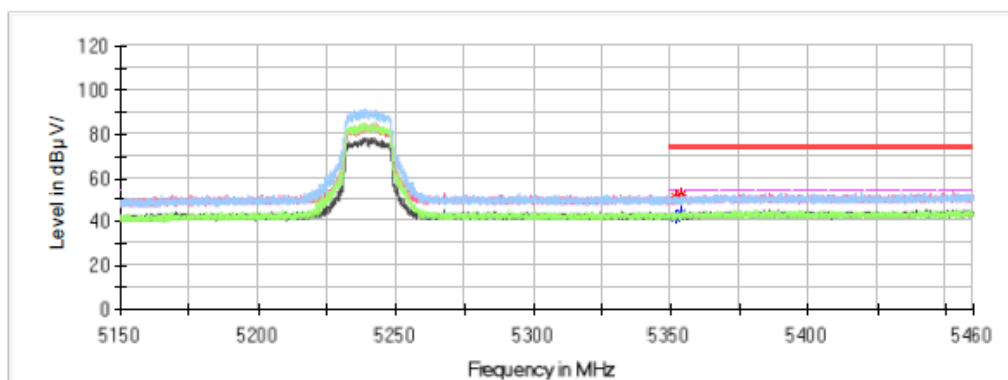
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5029.125000	49.89	---	74.00	24.11	H	3.9
5029.125000	---	44.42	54.00	9.58	H	3.9
5122.275000	51.68	---	74.00	22.32	V	4.2
5122.275000	---	42.89	54.00	11.11	V	4.2

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11a mode 5240 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



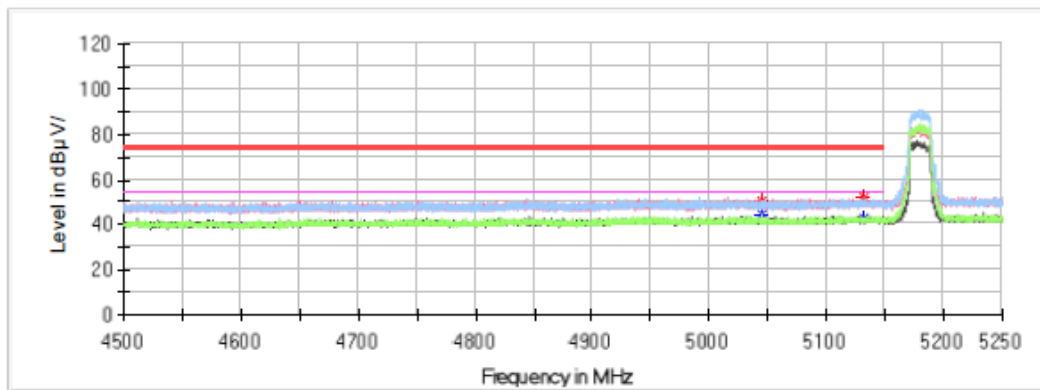
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5352.058000	---	42.18	54.00	11.82	H	4.7
5352.058000	51.21	---	74.00	22.79	H	4.7
5354.073000	---	43.46	54.00	10.54	V	4.7
5354.073000	51.93	---	74.00	22.07	V	4.7

802.11ac20 Mode:**Common Information**

Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11ac20 mode 5180 channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

Full Spectrum

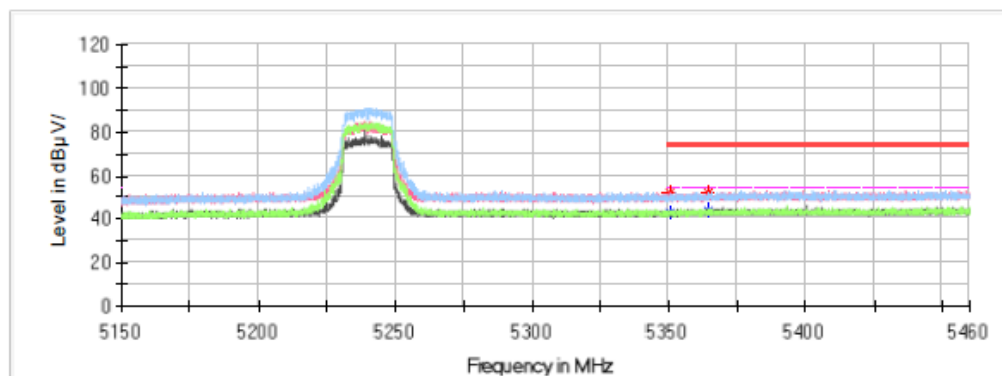
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5045.325000	50.25	---	74.00	23.75	H	4.0
5045.325000	---	44.37	54.00	9.63	H	4.0
5132.100000	52.04	---	74.00	21.96	V	4.2
5132.100000	---	42.79	54.00	11.21	V	4.2

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac20 mode 5240 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



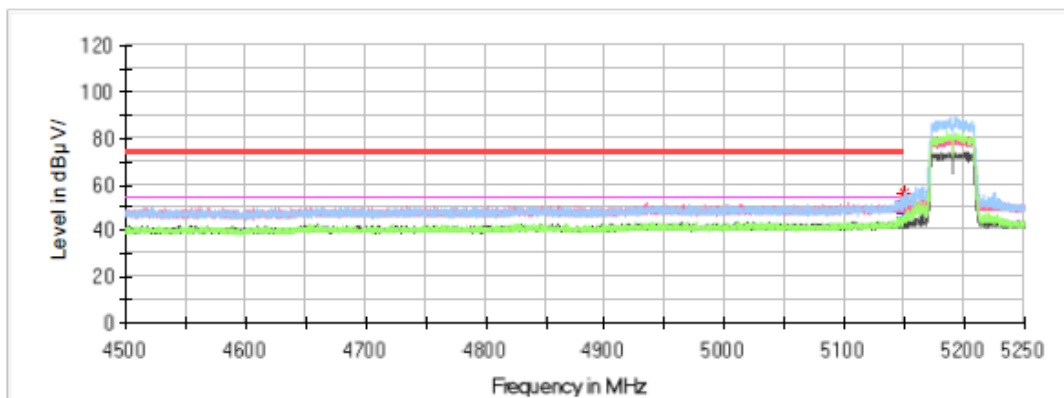
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5350.725000	51.88	---	74.00	22.12	V	4.7
5350.725000	---	42.55	54.00	11.45	V	4.7
5364.737000	---	43.82	54.00	10.18	H	4.8
5364.737000	52.26	---	74.00	21.74	H	4.8

802.11ac40 Mode:**Common Information**

Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11ac40 mode 5190 channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

Full Spectrum

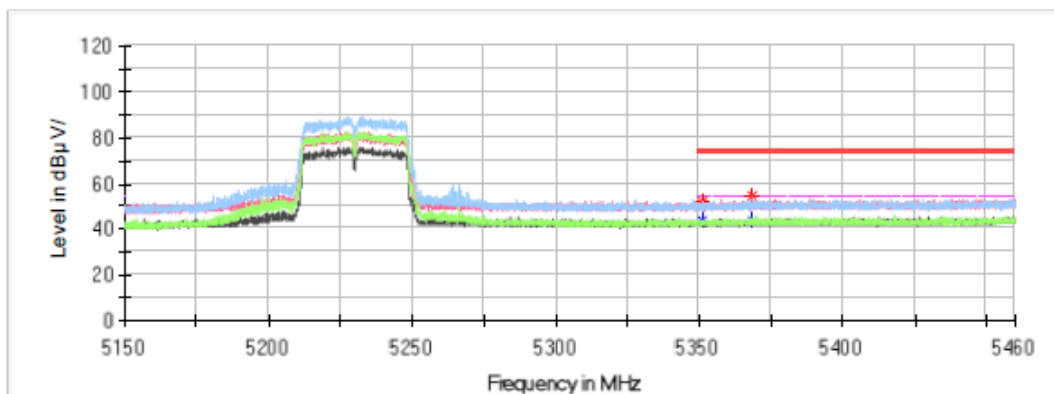
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5149.275000	53.07	---	74.00	20.93	H	4.2
5149.275000	---	47.00	54.00	7.00	H	4.2
5149.650000	56.25	---	74.00	17.75	H	4.2
5149.650000	---	46.19	54.00	7.81	H	4.2

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac40 mode 5230 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



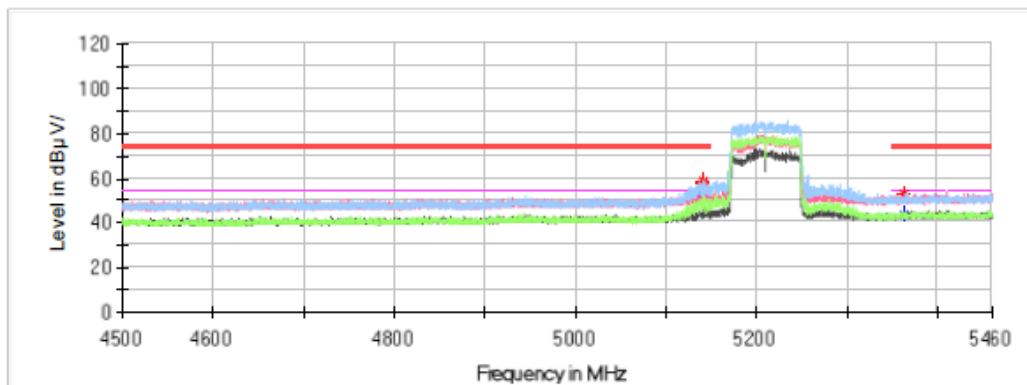
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5351.221000	---	43.35	54.00	10.65	H	4.7
5351.221000	52.25	---	74.00	21.75	H	4.7
5368.364000	---	43.65	54.00	10.35	V	4.8
5368.364000	54.31	---	74.00	19.69	V	4.8

802.11ac80 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac80 mode 5210 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

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)
5141.280000	58.51	---	74.00	15.49	H	4.2
5141.280000	---	51.33	54.00	2.67	H	4.2
5141.856000	58.09	---	74.00	15.91	H	4.2
5141.856000	---	51.80	54.00	2.20	H	4.2
5362.656000	---	43.64	54.00	10.36	V	4.8
5362.656000	53.18	---	74.00	20.82	V	4.8

Restricted Bands Emissions Test (5250-5350MHz Band):

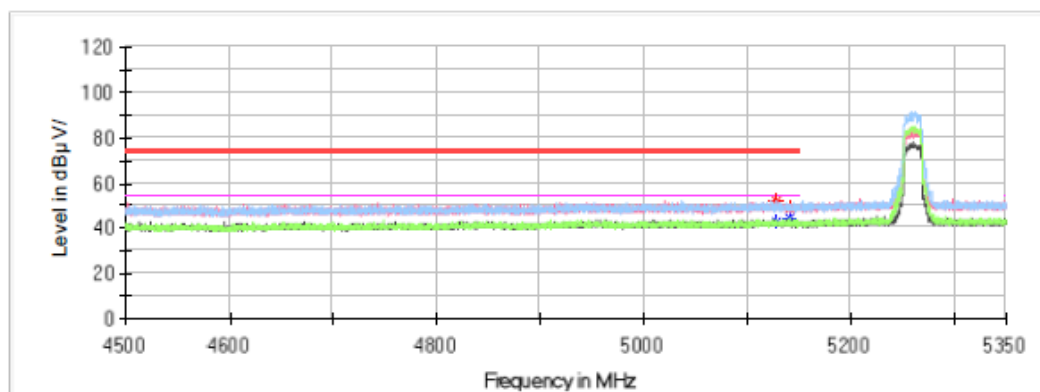
Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

802.11a Mode:**Common Information**

Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode 5260 channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

Full Spectrum

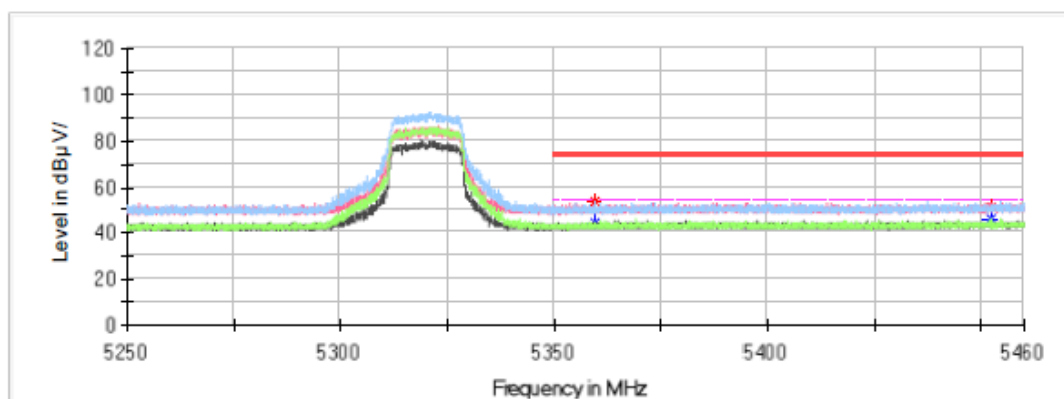
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5128.915000	52.02	---	74.00	21.98	V	4.2
5128.915000	---	42.93	54.00	11.07	V	4.2
5141.835000	48.91	---	74.00	25.09	H	4.2
5141.835000	---	44.06	54.00	9.94	H	4.2

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11a mode 5320 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



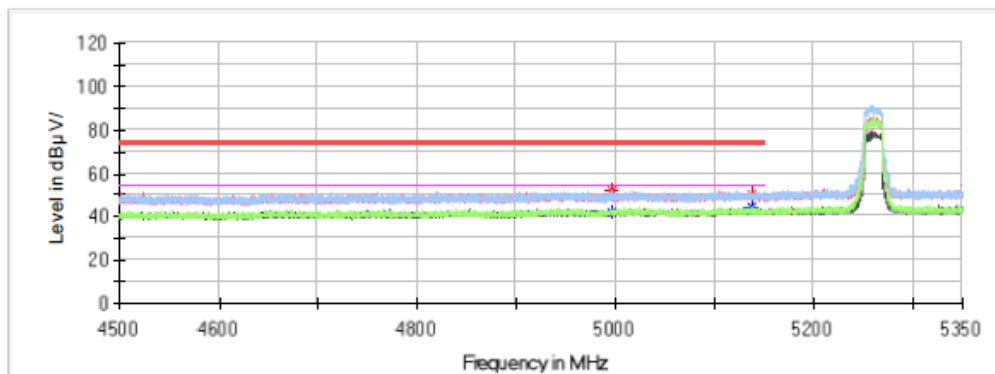
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5359.368000	53.92	---	74.00	20.08	V	4.8
5359.368000	---	44.09	54.00	9.91	V	4.8
5452.524000	51.22	---	74.00	22.78	H	5.0
5452.524000	---	45.83	54.00	8.17	H	5.0

802.11ac20 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac20 mode 5260 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum

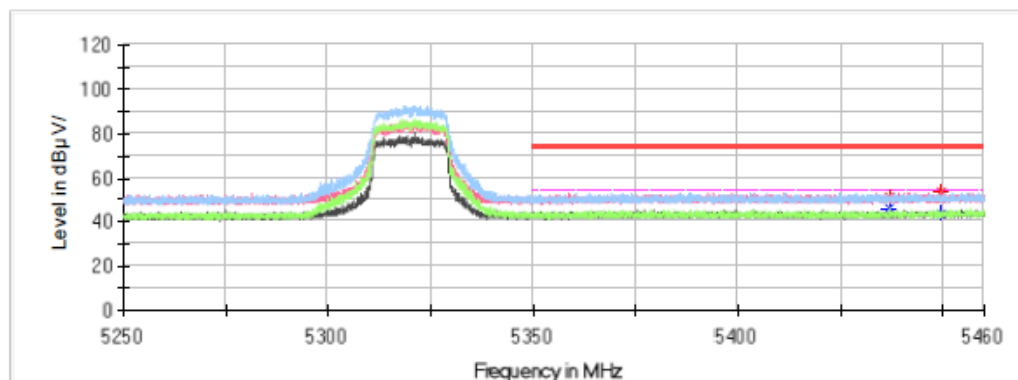
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4995.550000	---	42.37	54.00	11.63	H	3.8
4995.550000	51.89	---	74.00	22.11	H	3.8
5137.415000	---	44.30	54.00	9.70	H	4.2
5137.415000	50.31	---	74.00	23.69	H	4.2

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac20 mode 5320 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



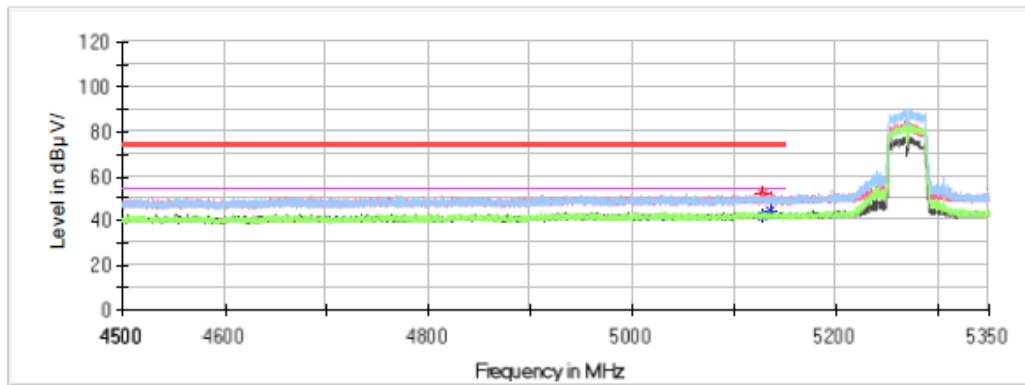
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5437.005000	---	46.03	54.00	7.97	H	5.0
5437.005000	51.01	---	74.00	22.99	H	5.0
5449.416000	---	43.74	54.00	10.26	V	5.0
5449.416000	53.82	---	74.00	20.18	V	5.0

802.11ac40 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac40 mode 5270 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum

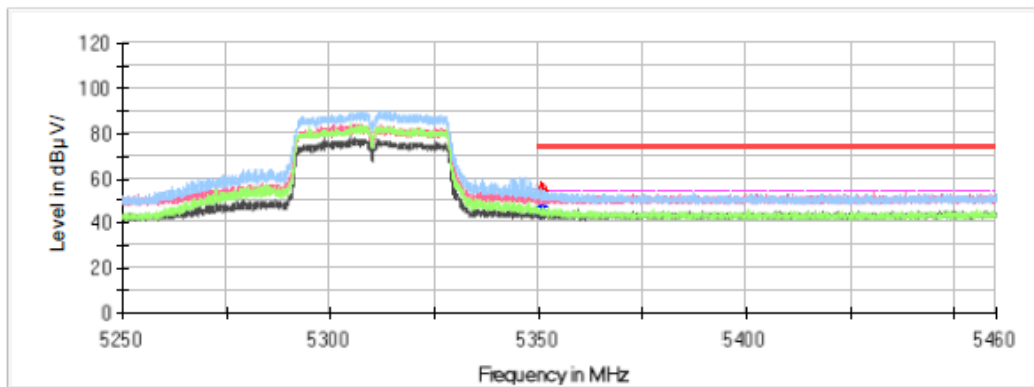
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5128.320000	52.08	---	74.00	21.92	H	4.2
5128.320000	---	42.00	54.00	12.00	H	4.2
5135.885000	49.67	---	74.00	24.33	V	4.2
5135.885000	---	44.08	54.00	9.92	V	4.2

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac40 mode 5310 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



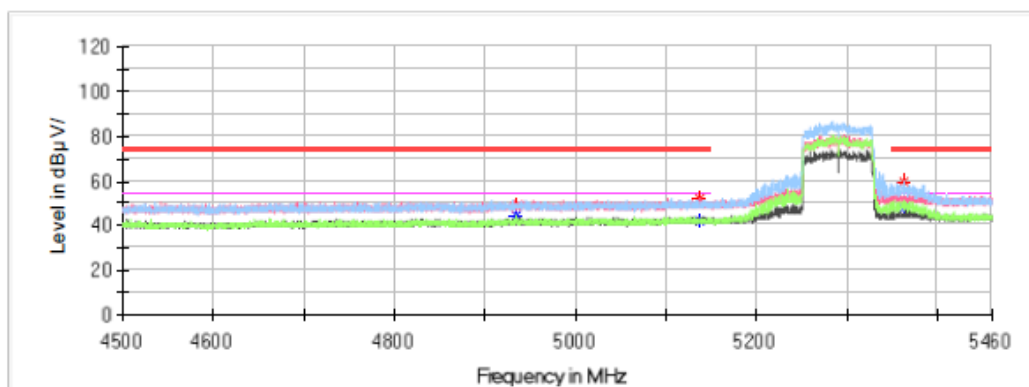
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5350.296000	55.64	---	74.00	18.36	H	4.7
5350.296000	---	44.22	54.00	9.78	H	4.7
5350.989000	54.40	---	74.00	19.60	H	4.7
5350.989000	---	47.29	54.00	6.71	H	4.7

802.11ac80 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac80 mode 5290 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

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)
4934.304000	48.59	---	74.00	25.41	V	3.6
4934.304000	---	44.06	54.00	9.94	V	3.6
5136.576000	---	41.76	54.00	12.24	V	4.2
5136.576000	51.63	---	74.00	22.37	V	4.2
5363.232000	59.42	---	74.00	14.58	H	4.8
5363.232000	---	47.74	54.00	6.26	H	4.8

Restricted Bands Emissions Test (5470-5725MHz Band):

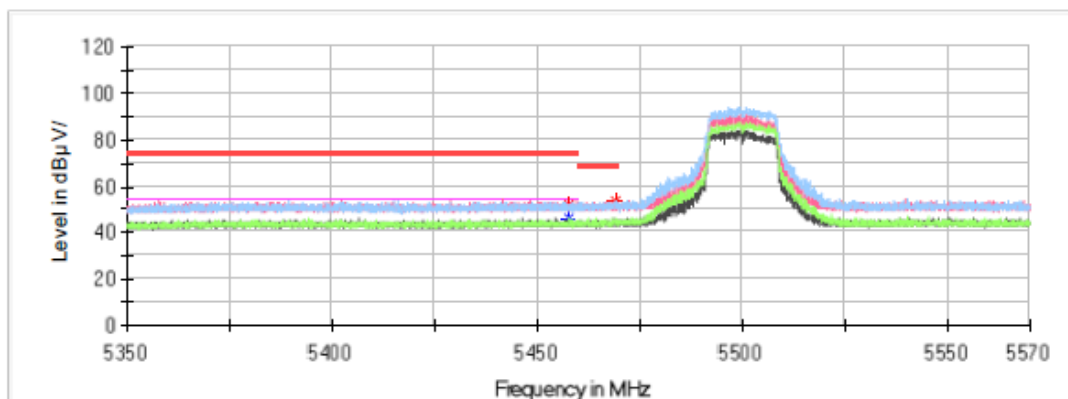
Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

802.11a Mode:**Common Information**

Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode low channel
Standard:	FCC Part 15.407 & FCC Part 15.205 & FCC Part 15.209
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

Full Spectrum

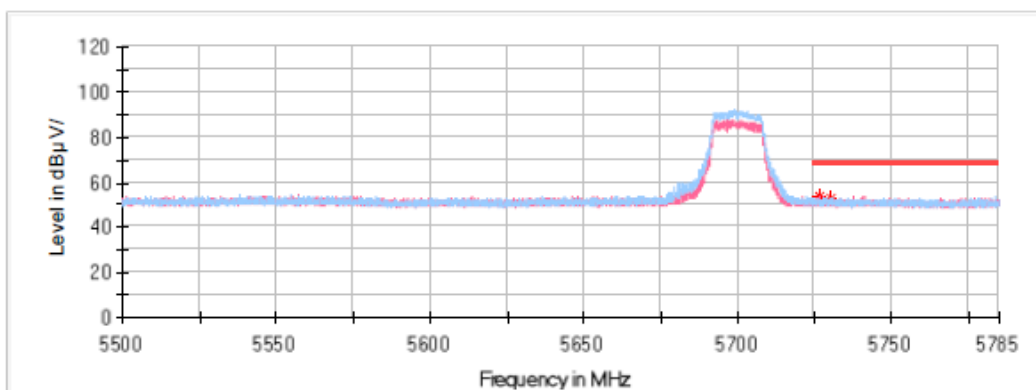
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB)
5457.800000	51.71	---	74.00	22.29	H	5.0
5457.800000	---	45.84	54.00	8.16	H	5.0
5468.932000	53.65	---	68.20	14.55	H	5.0

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11a mode high channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



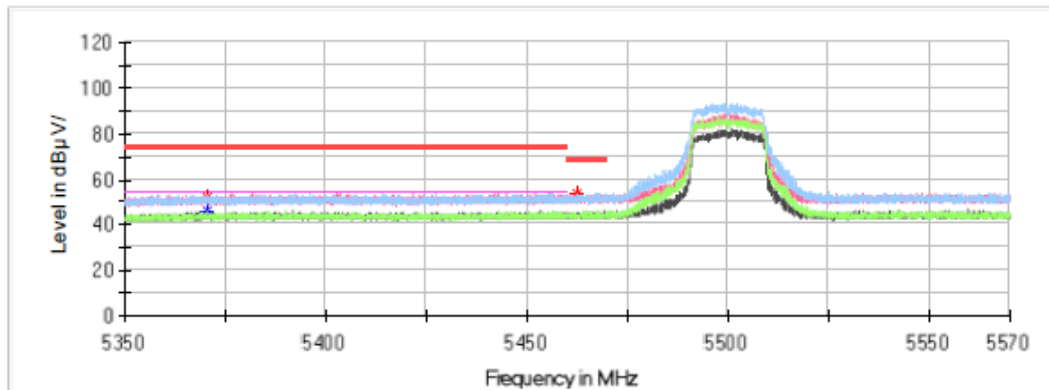
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5726.660500	54.11	---	68.20	14.09	V	4.9
5730.451000	53.05	---	68.20	15.15	H	4.9

802.11ac20 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac20 mode low channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum

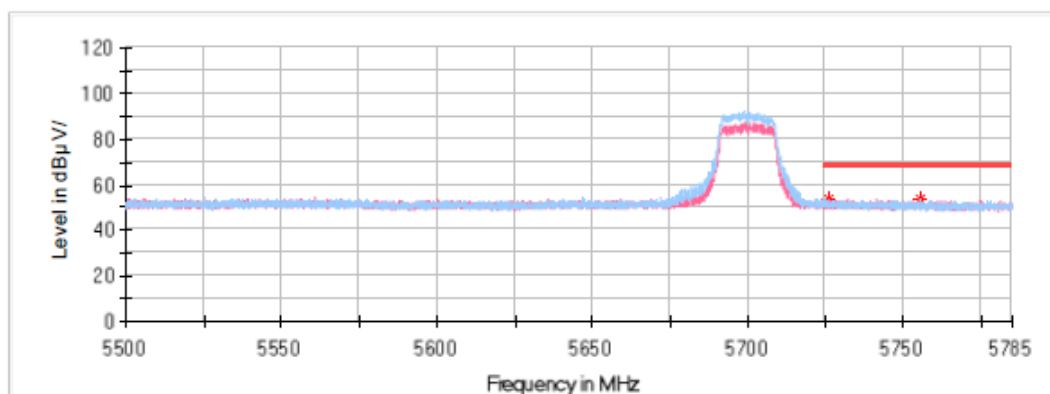
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5370.394000	51.64	---	74.00	22.36	V	4.8
5370.394000	---	46.07	54.00	7.93	V	4.8
5462.134000	53.75	---	68.20	14.45	V	5.0

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac20 mode high channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



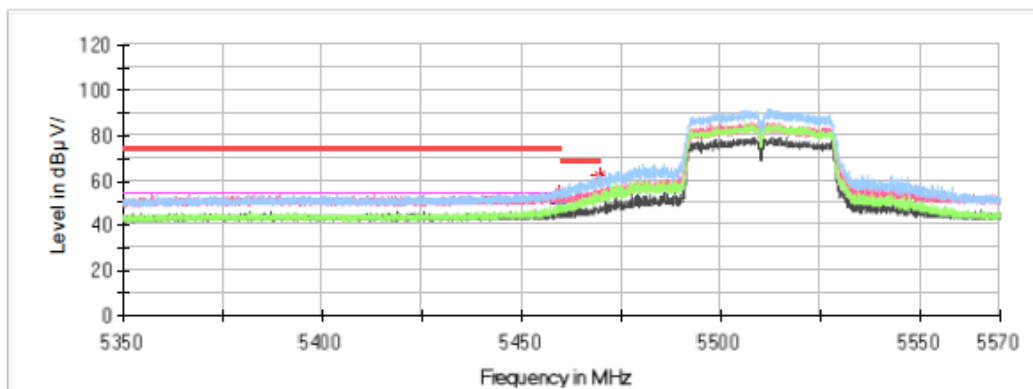
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5725.805500	53.43	---	68.20	14.77	V	4.9
5755.559500	53.77	---	68.20	14.43	H	4.8

802.11ac40 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac40 mode low channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum

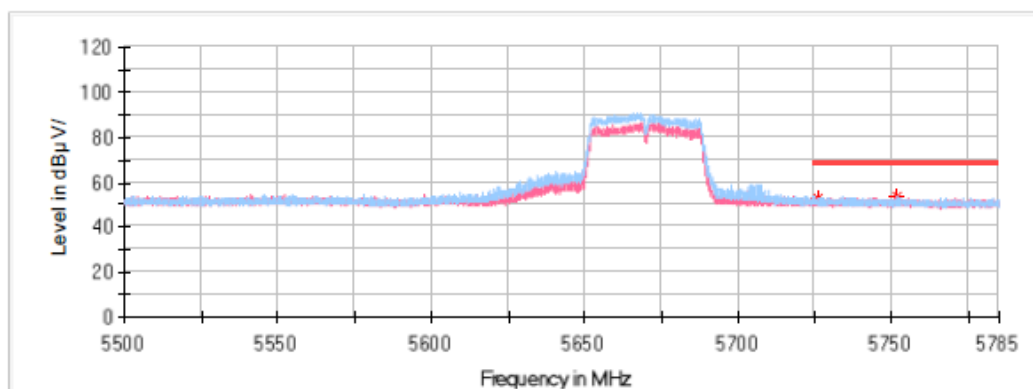
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5459.450000	54.30	---	74.00	19.70	H	5.0
5459.450000	---	49.37	54.00	4.63	H	5.0
5469.482000	61.99	---	68.20	6.21	H	5.0

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac40 mode high channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



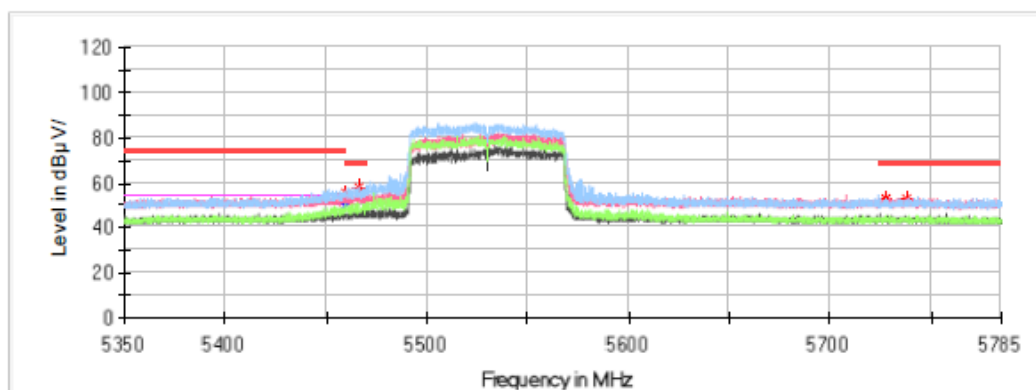
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5726.033500	53.09	---	68.20	15.11	V	4.9
5751.683500	53.92	---	68.20	14.28	H	4.8

802.11ac80 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac80 mode low channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum

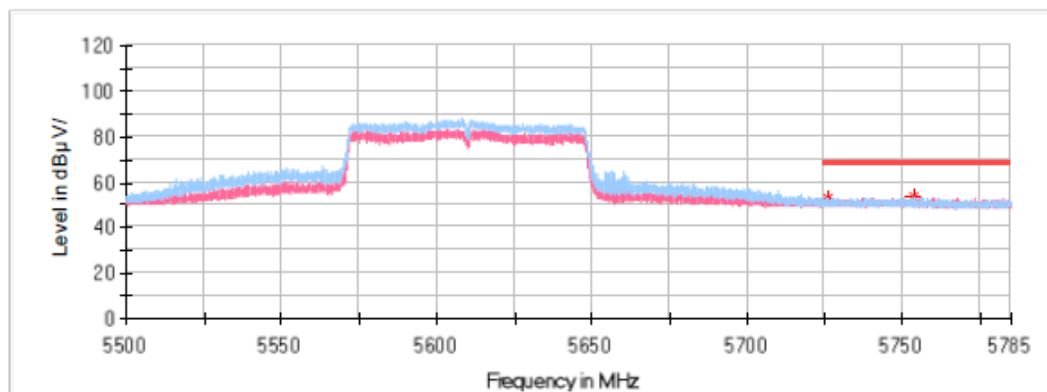
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5459.359000	---	50.07	54.00	3.93	H	5.0
5459.359000	55.75	---	74.00	18.25	H	5.0
5465.797000	58.15	---	68.20	10.05	H	5.0
5727.580000	52.94	---	68.20	15.26	H	4.9
5738.411500	53.11	---	68.20	15.09	V	4.9

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac80 mode high channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

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)
5725.948000	53.02	---	68.20	15.18	H	4.9
5753.479000	53.67	---	68.20	14.53	V	4.8

Bandedge Emissions Test (5725-5850MHz Band):

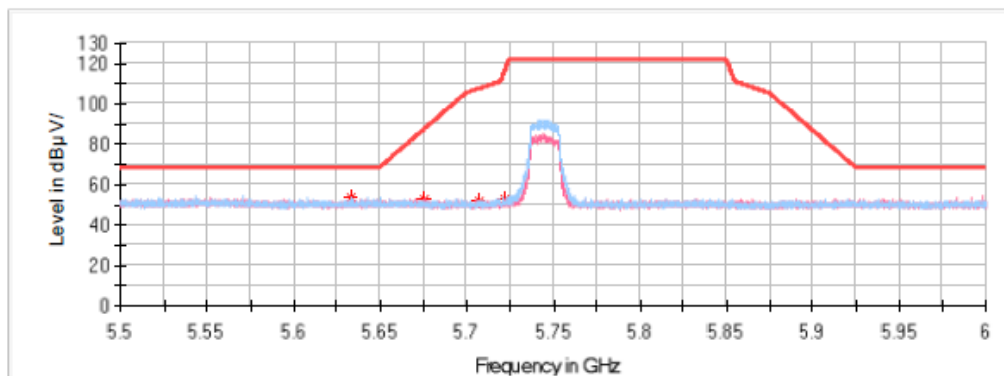
Note:

1. Corrected Factor = Antenna factor (RX) + Cable Loss – Amplifier Factor
2. Corrected Amplitude = Corrected Factor + Reading
3. Margin = Limit - Corrected. Amplitude

802.11a Mode:**Common Information**

Project No.:	RKSA240906001
Test Mode:	Transmitting in 802.11a mode 5745 channel
Standard:	FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer:	Destine Hu

Full Spectrum

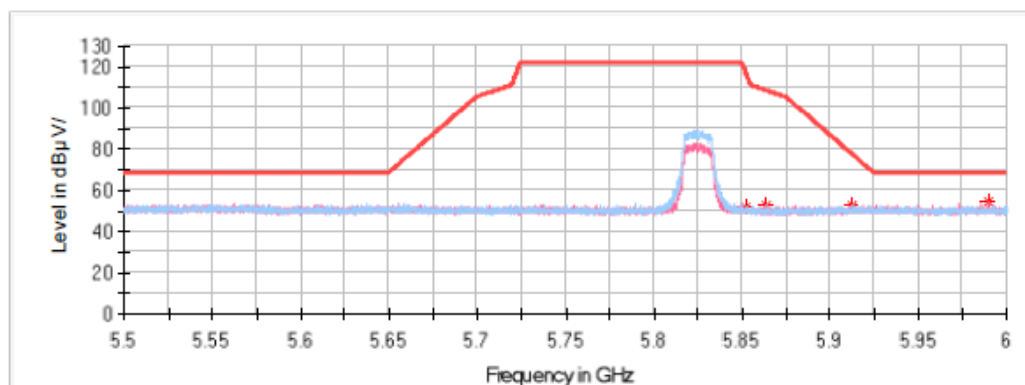
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	PoI	Corr. (dB/m)
5633.100000	53.25	---	68.20	14.95	H	5.0
5675.250000	52.30	---	86.88	34.58	H	4.9
5707.000000	51.93	---	107.16	55.23	V	4.9
5722.500000	52.44	---	116.50	64.06	V	4.9

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11a mode 5825 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



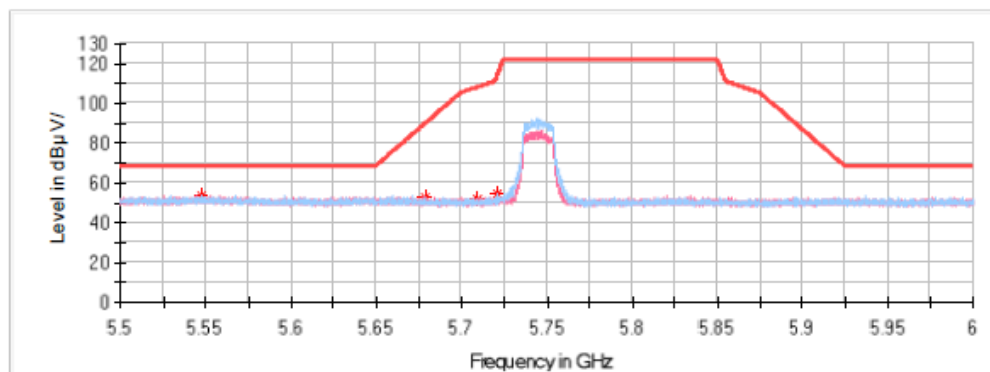
Critical Freqs

Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
5852.250000	51.37	---	117.07	65.70	H	4.7
5864.050000	52.58	---	108.27	55.68	H	4.7
5911.800000	52.66	---	77.97	25.30	V	4.7
5988.950000	54.68	---	68.20	13.52	V	4.6

802.11ac20 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac20 mode 5745 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum

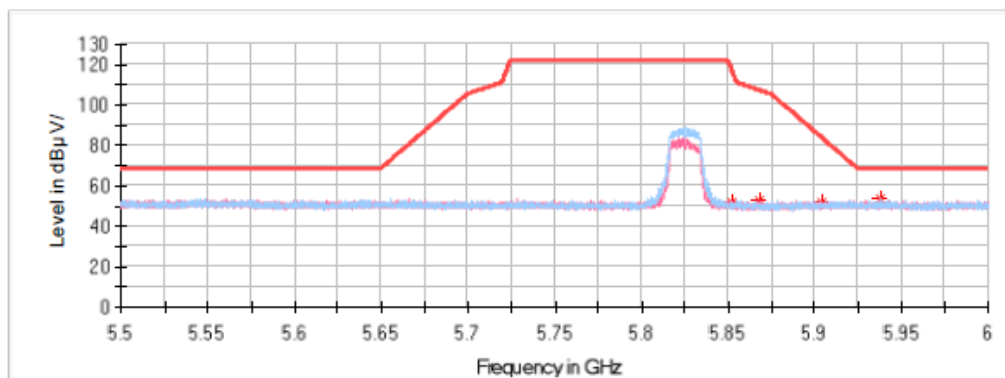
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5547.650000	53.67	---	68.20	14.53	H	5.1
5678.650000	53.08	---	89.40	36.32	H	4.9
5709.300000	52.19	---	107.80	55.62	H	4.9
5721.400000	54.40	---	113.99	59.59	H	4.9

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac20 mode 5825 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



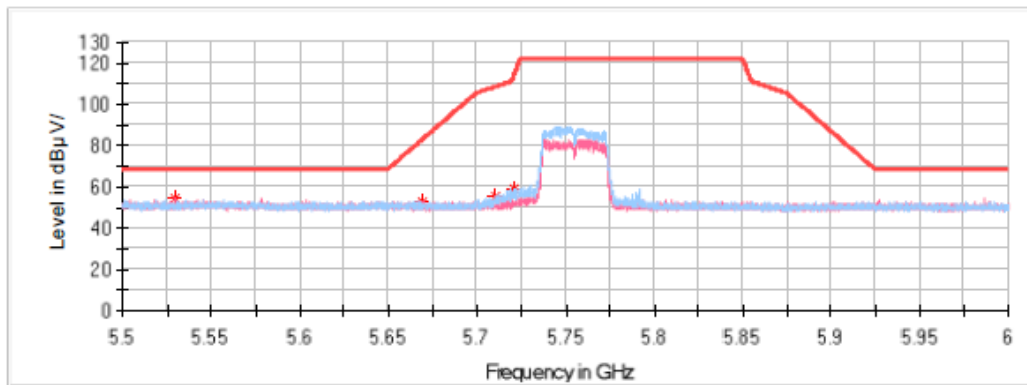
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5851.650000	51.62	---	118.44	66.82	V	4.7
5867.850000	52.53	---	107.20	54.67	V	4.7
5904.100000	52.21	---	83.67	31.46	H	4.7
5937.850000	53.25	---	68.20	14.95	H	4.6

802.11ac40 Mode:**Common Information**

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac40 mode 5755 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum

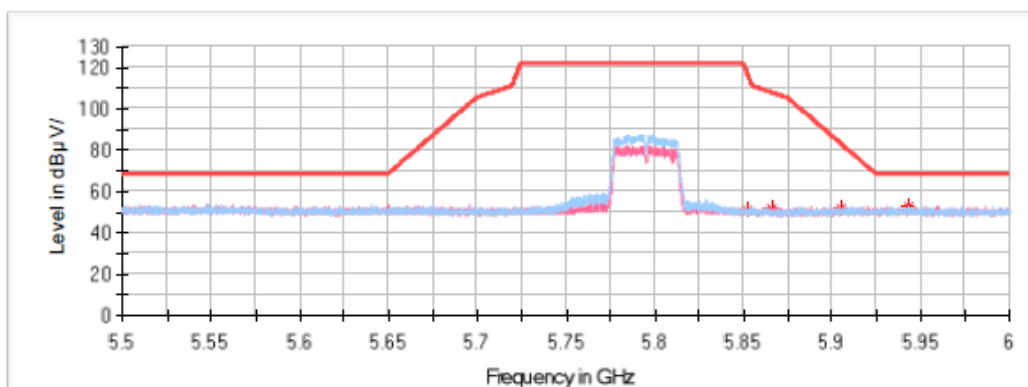
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5529.150000	54.27	---	68.20	13.93	V	5.1
5669.450000	52.82	---	82.59	29.77	V	4.9
5709.900000	55.46	---	107.97	52.51	H	4.9
5721.300000	59.20	---	113.76	54.57	H	4.9

Common Information

Project No.: RKSA240906001
Test Mode: Transmitting in 802.11ac40 mode 5795 channel
Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Test Engineer: Destine Hu

Full Spectrum



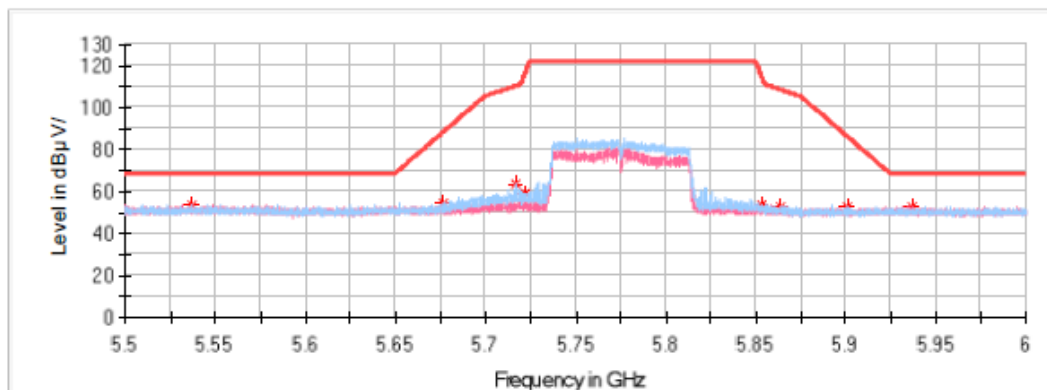
Critical Freqs

Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
5851.800000	51.04	---	118.10	67.06	V	4.7
5865.450000	52.09	---	107.87	55.78	V	4.7
5904.400000	52.22	---	83.44	31.22	H	4.7
5943.400000	52.38	---	68.20	15.82	H	4.6

Common Information

Project No.: RKSA240906001
 Test Mode: Transmitting in 802.11ac80 mode 5775 channel
 Standard: FCC Part 15.205&FCC Part 15.209&FCC Part 15.407
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Test Engineer: Destine Hu

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)
5537.150000	53.91	---	68.20	14.29	H	5.1
5676.450000	54.73	---	87.77	33.04	H	4.9
5716.650000	63.90	---	109.86	45.96	H	4.9
5721.650000	59.46	---	114.56	55.10	H	4.9
5852.700000	53.46	---	116.04	62.58	V	4.7
5864.150000	52.68	---	108.24	55.56	V	4.7
5901.150000	52.68	---	85.85	33.17	H	4.7
5936.450000	53.10	---	68.20	15.10	H	4.6

EMISSION BANDWIDTH**Test Result:** Compliant*5150-5250 MHz:*

Test mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11 a	Low	5180	23.613	16.650
	Middle	5200	23.179	16.650
	High	5240	23.248	16.650
802.11 ac20	Low	5180	24.885	17.850
	Middle	5200	24.714	17.850
	High	5240	24.534	17.850
802.11 ac40	Low	5190	48.500	36.600
	High	5230	48.400	36.600
802.11 ac80	Middle	5210	113.872	76.600

Note: the 99% Occupied Bandwidth have not fall into the band 5250-5350MHz.

5250-5350 MHz:

Test mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11 a	Low	5260	22.679	16.650
	Middle	5280	23.029	16.650
	High	5320	23.142	16.650
802.11 ac20	Low	5260	24.308	17.800
	Middle	5280	23.992	17.800
	High	5320	24.070	17.800
802.11 ac40	Low	5270	42.418	36.600
	High	5310	48	36.500
802.11 ac80	Middle	5290	117.325	76.600

5470-5725 MHz:

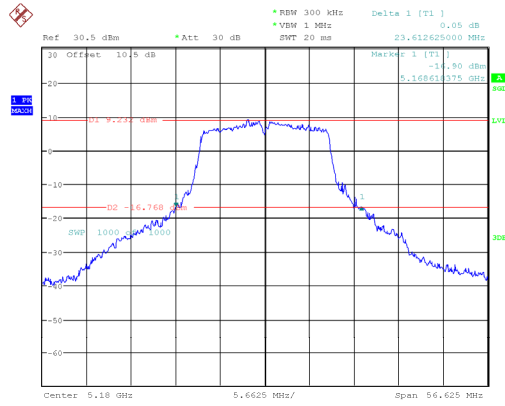
Test mode	Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11 a	Low	5500	23.408	16.650
	Middle	5580	22.253	16.600
	High	5700	22.361	16.550
	Cross	5720	22.410	16.550
802.11 ac20	Low	5500	26.807	18
	Middle	5580	22.995	17.750
	High	5700	23.783	17.750
	Cross	5720	23.629	17.750
802.11 ac40	Low	5510	54.782	36.900
	Middle	5550	43.011	36.600
	High	5670	41.900	36.500
	Cross	5710	47.250	36.500
802.11 ac80	Low	5530	103.790	76.200
	Middle	5610	132	77.200
	High	5690	105.481	76.400

5725-5850MHz:

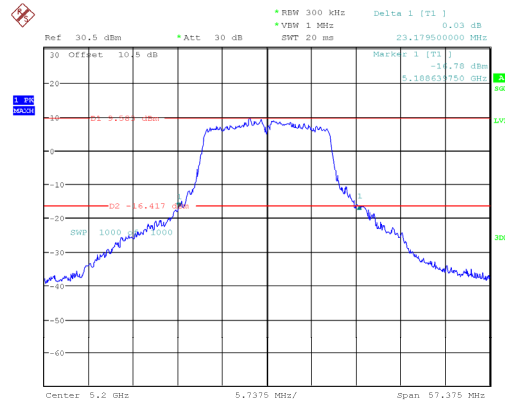
Test mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)
802.11 a	Low	5745	16.550
	Middle	5785	16.600
	High	5825	16.550
802.11 ac20	Low	5745	17.750
	Middle	5785	17.750
	High	5825	17.750
802.11 ac40	Low	5755	36.500
	High	5795	36.500
802.11 ac80	Middle	5775	76.400

Note: the 99% Occupied Bandwidth have not fall into the band 5470-5725MHz.

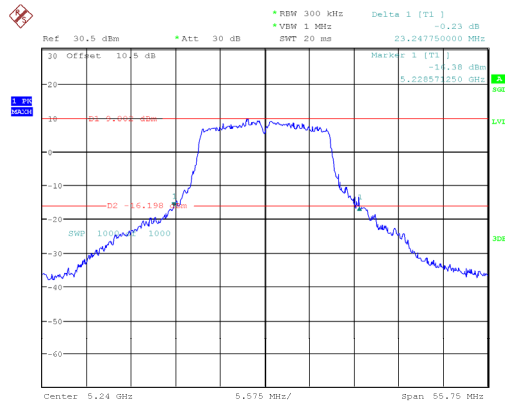
Test mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
802.11 a	Low	5745	15.687	0.5
	Middle	5785	15.514	
	High	5825	15.630	
802.11 ac20	Low	5745	16.093	
	Middle	5785	16.614	
	High	5825	16.903	
802.11 ac40	Low	5755	35.620	
	High	5795	36.020	
802.11 ac80	Middle	5775	75.700	

**26dB Bandwidth
5150-5250 MHz Band:****802.11a mode, 5180MHz**

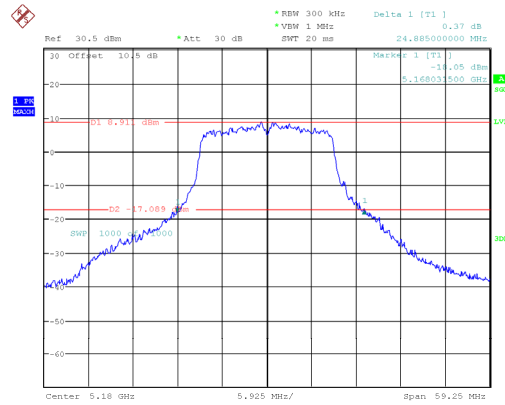
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:14:02

802.11a mode, 5200MHz

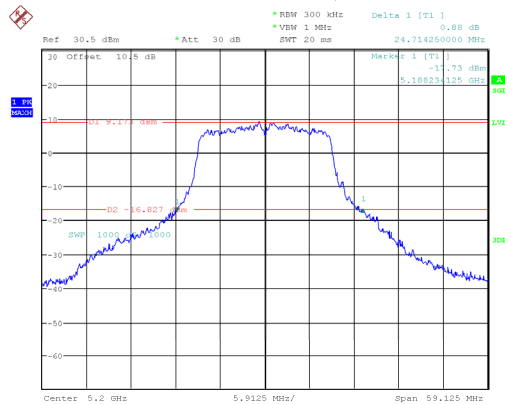
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:18:35

802.11a mode, 5240MHz

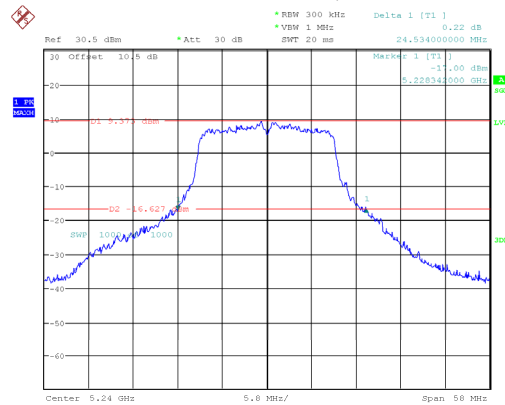
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:23:05

802.11ac20 mode, 5180MHz

ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:28:58

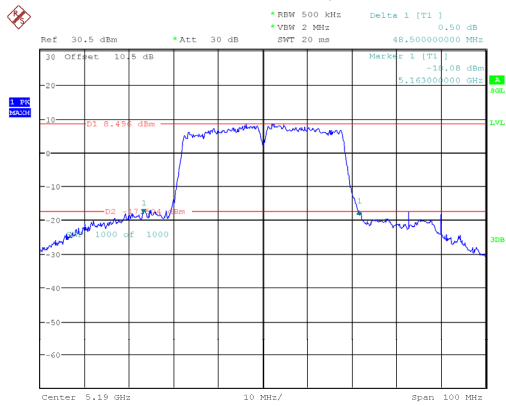
802.11 ac20 mode, 5200MHz

ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:32:27

802.11 ac20 mode, 5240MHz

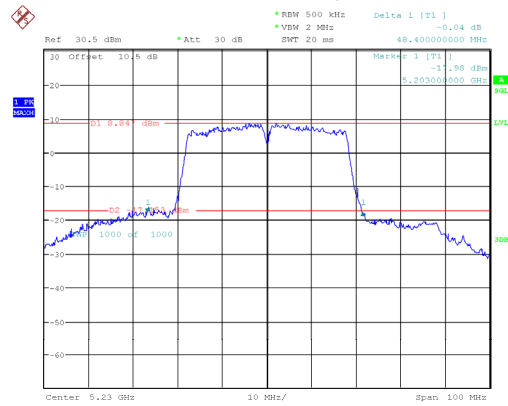
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:36:59

802.11ac40 mode, 5190MHz



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:41:14

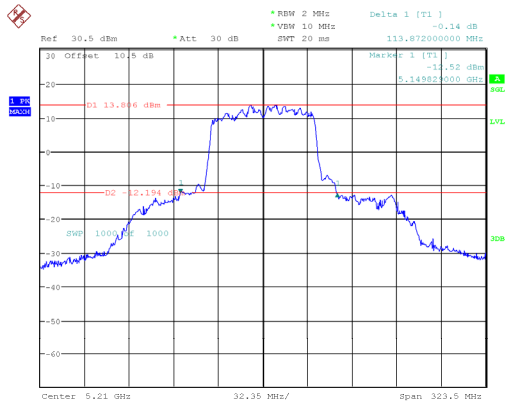
802.11 ac40 mode, 5230MHz



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:46:35

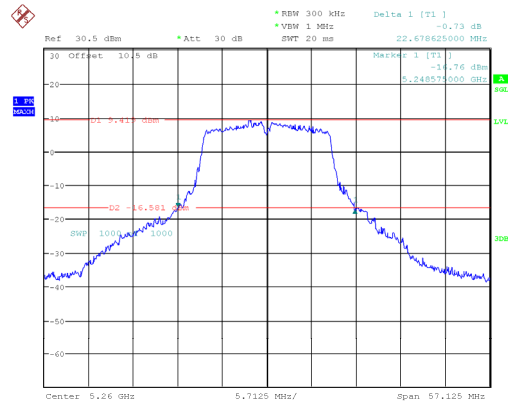
5250-5350 MHz Band:

802.11ac80 mode, 5210MHz



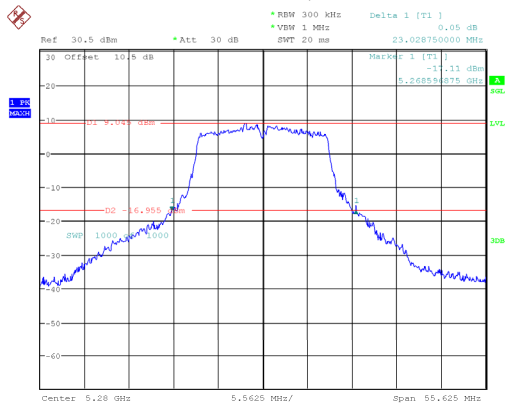
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 15:52:28

802.11a mode, 5260MHz



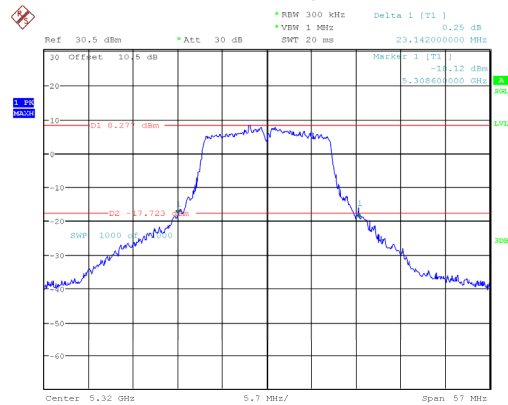
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:01:05

802.11a mode, 5280MHz



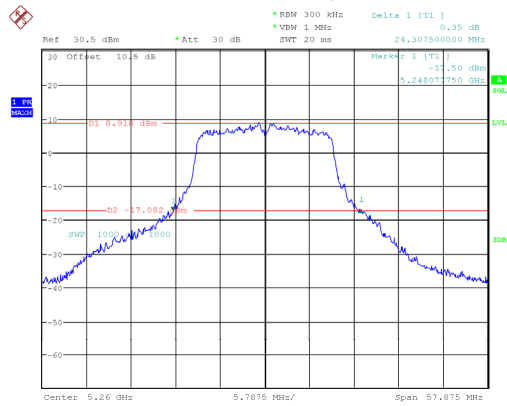
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:04:36

802.11a mode, 5320MHz



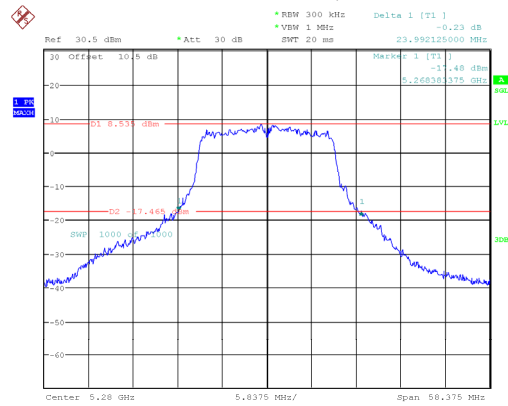
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:07:56

802.11ac20 mode, 5260MHz



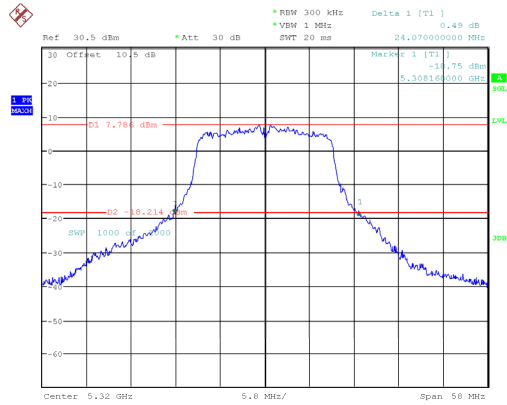
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:11:27

802.11 ac20 mode, 5280MHz



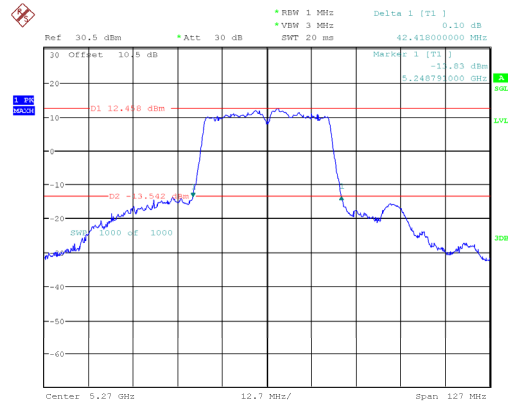
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:14:55

802.11 ac20 mode, 5320MHz



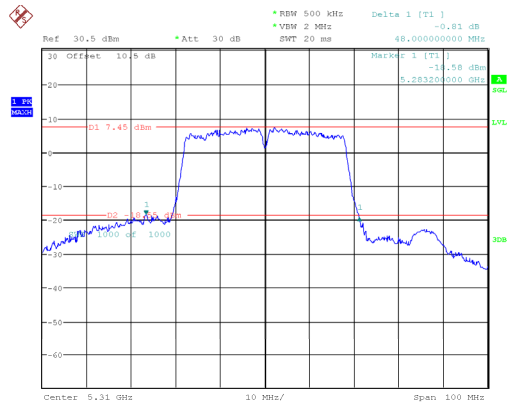
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:18:41

802.11ac40 mode, 5270MHz



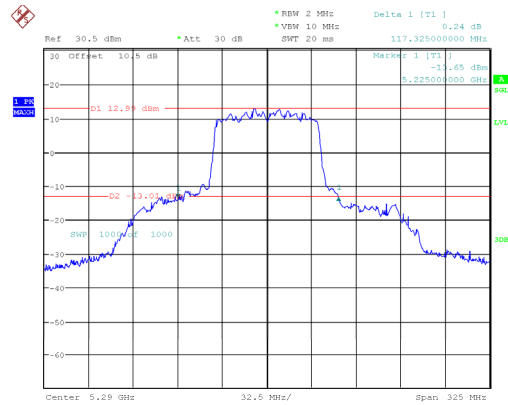
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:23:45

802.11 ac40 mode, 5310MHz



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:27:54

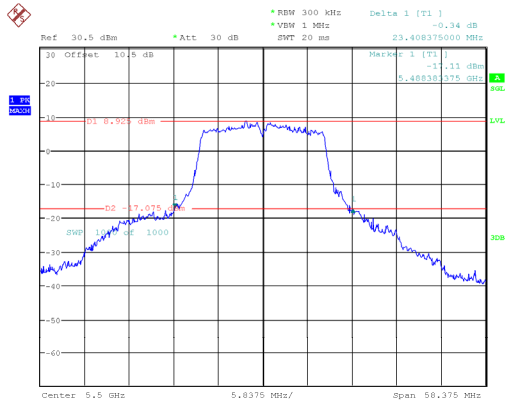
802.11ac80 mode, 5290MHz



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:33:52

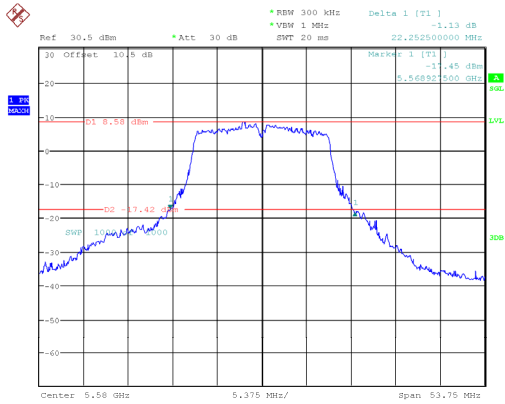
5470-5725 MHz Band:

802.11a mode, 5500MHz



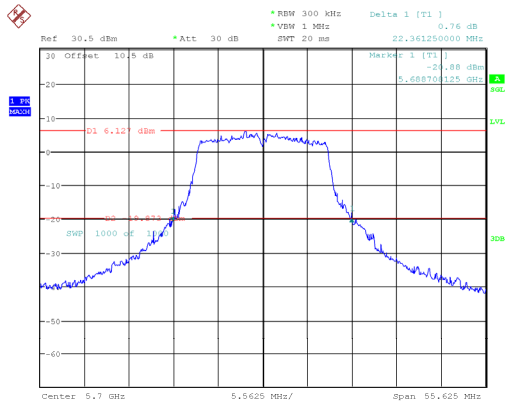
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:39:46

802.11a mode, 5580MHz



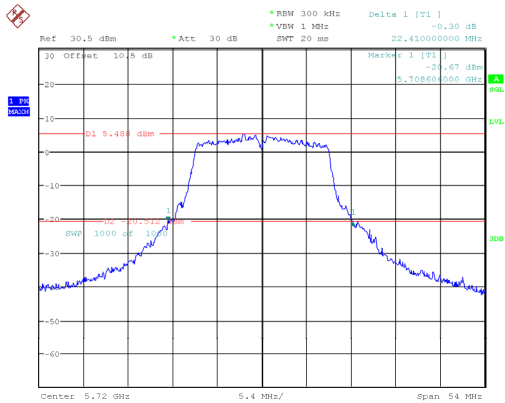
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:43:41

802.11a mode, 5700MHz



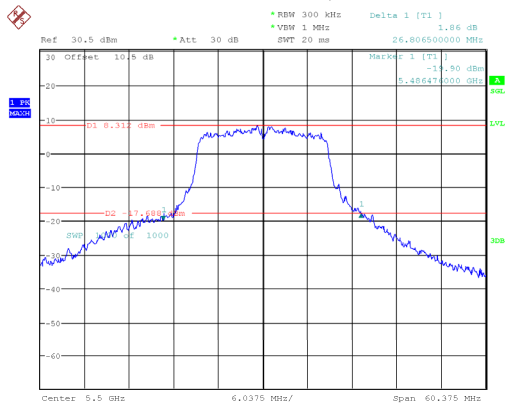
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 11.DEC.2024 16:47:23

802.11a mode, 5720MHz



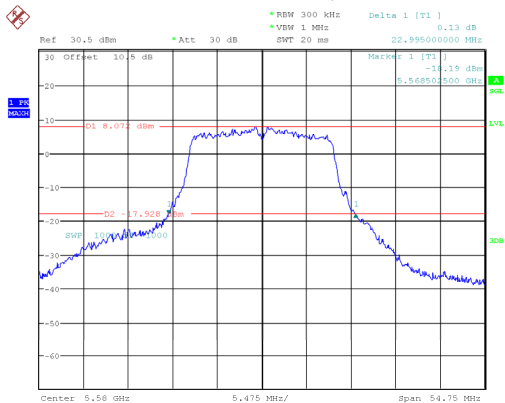
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 09:49:38

802.11ac20 mode, 5500MHz



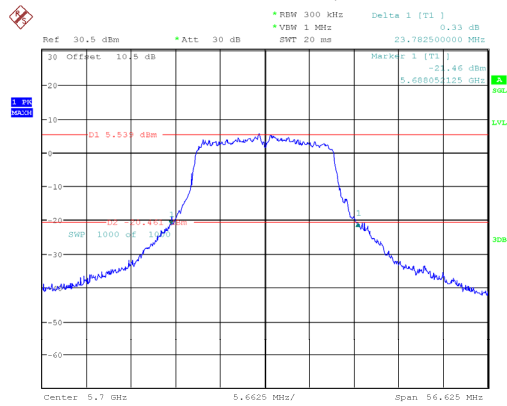
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 09:53:52

802.11 ac20 mode, 5580MHz



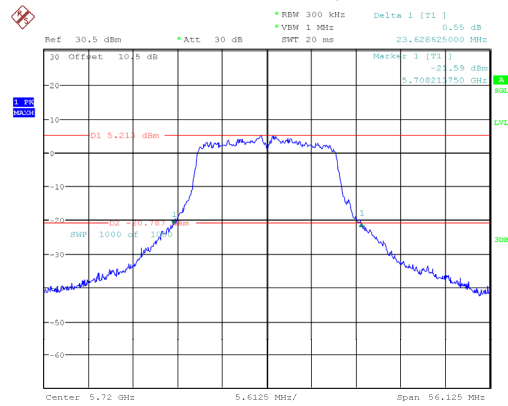
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 09:57:38

802.11 ac20 mode, 5700MHz



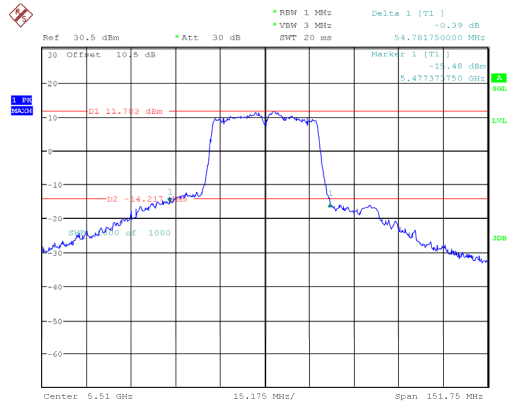
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 10:01:44

802.11 ac20 mode, 5720MHz



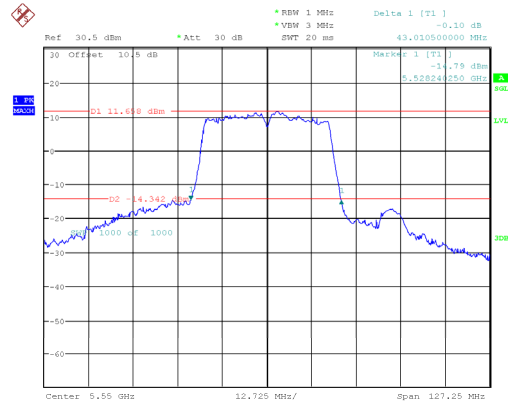
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 10:05:21

802.11ac40 mode, 5510MHz



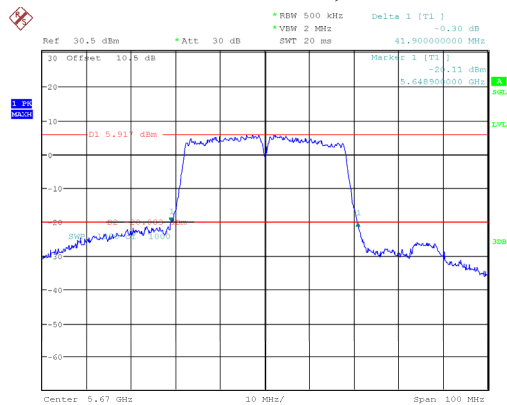
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 10:10:37

802.11ac40 mode, 5550MHz



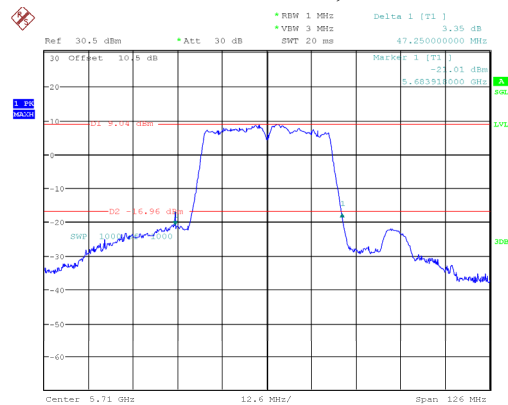
ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 10:16:24

802.11 ac40 mode, 5670MHz



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 10:20:45

802.11 ac40 mode, 5710MHz



ProjectNo.:RKSA240906001 Tester:Neil Zhou
Date: 12.DEC.2024 10:26:52