

FCC PART 15.407

TEST REPORT

For

InHand Networks, Inc.

3650 Concorde Pkwy, Suite 200, Chantilly VA 20151, Chantilly, Virginia, United States

FCC ID: 2BPWU-EC5350

Report Type: Original Report	Product Name: Edge Computer
Report Number: RKSA260709001-00C	
Report Date: 2026-08-26	
Reviewed By:	Winnie Yang
Approved By:	Kyle Xu
Test Laboratory: Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn	

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	5
MEASUREMENT UNCERTAINTY	6
TEST FACILITY	6
SYSTEM TEST CONFIGURATION.....	7
DESCRIPTION OF TEST CONFIGURATION	7
EUT EXERCISE SOFTWARE	8
EQUIPMENT MODIFICATIONS	14
SUPPORT EQUIPMENT LIST AND DETAILS	14
EXTERNAL I/O CABLE.....	14
BLOCK DIAGRAM OF TEST SETUP	15
SUMMARY OF TEST RESULTS.....	17
TEST EQUIPMENT LIST	18
FCC §1.1310 & §2.1091 - MAXIMUM PERMISSIBLE EXPOSURE (MPE).....	19
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
FCC §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
APPENDIX - TEST DATA.....	31
CONDUCTED EMISSIONS	31
TRANSMITTER UNWANTED EMISSIONS & RESTRICTED FREQUENCY BANDS	34
EMISSION BANDWIDTH.....	84

CONDUCTED TRANSMITTER OUTPUT POWER	102
POWER SPECTRAL DENSITY	104
EUT PHOTOGRAPHS	114
TEST SETUP PHOTOGRAPHS	115

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260709001-00C	R1V1	2026-08-26	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	InHand Networks, Inc.		
Tested Model:	EC5350		
Series Model:	EC5000, EC5330, EC5530, EC5550		
Model Difference:	Model name (see the declaration letter for the details)		
Product Name:	Edge Computer		
Power Supply:	DC 9-36V, typical voltage: DC 12V		
Operating Frequency:	B1: 5150-5250 MHz; B4: 5725-5850 MHz		
Maximum Output Power:	Mode:	5G Wi-Fi Band 1:	Band 4:
	802.11a:	9.81 dBm	11.93 dBm
	802.11ac20:	12.54 dBm	14.61 dBm
	802.11ac40:	10.68 dBm	13.00 dBm
	802.11ac80:	9.40 dBm	10.97 dBm
Channel Number:	B1:7; B4: 8		
Channel Separation	802.11a/n20/ac20: 20 MHz, 802.11n40/ac40: 40 MHz 802.11ac80: 80 MHz		
Modulation Type:	OFDM		
Antenna Type:	Monopole Antenna		
★Maximum Antenna Gain:	Chain 0 & Chain 1: Band 1: 0.02 dBi; Band 4: -1.6 dBi		
Sample/EUT Status	Good condition		

Note 1: The maximum antenna gain was declared by the manufacturer.

Note 2: The EUT has a nominal operating voltage range from DC 9 V to DC 36 V. Testing was performed only under typical operating conditions at DC 12 V.

All measurement and tested data in this report was gathered from production sample serial number: RKSA260709001-1 (Assigned by BACL (Kunshan). The EUT supplied by the applicant was received on 2026-07-09.)

Objective

This type approval report is prepared for *InHand Networks, Inc.* 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 C63.10-2020, 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/n20/n40/ac20/ac40/ac80 the 802.11 n20/n40 were reduced since the identical parameters with 802.11ac20 and ac40.

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 **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

The system was configured for testing in an engineering mode, which was provided by manufacturer

Test software: Realtek_RF_MP_Tool

Pre-scan with all the data rates, and the worst case was performed as below:

U-NII	Mode	Data Rate	Channel	★Power Level	
				Chain 0	Chain 1
5150-5250MHz:	802.11a	6 Mbps	5180	63	63
			5200	63	63
			5240	63	63
	802.11ac20	MCS0	5180	63	63
			5200	63	63
			5240	63	63
	802.11ac40	MCS0	5190	63	63
			5230	63	63
	802.11ac80	MCS0	5210	63	63
5725~5850MHz	802.11a	6 Mbps	5745	63	63
			5785	63	63
			5825	63	63
	802.11ac20	MCS0	5745	63	63
			5785	63	63
			5825	63	63
	802.11ac40	MCS0	5755	63	63
			5795	63	63
	802.11ac80	MCS0	5775	63	63

Note:

1. The power level was declared by the applicant.

2. 802.11a supports SISO mode, 802.11 ac20/ac40/ac80 supports SISO and MIMO mode.

For Radiated Emission, according to pretest, the worst case for 802.11 ac20/ac40/ac80 is MIMO mode.

So 802.11 ac20/ac40/ac80 MIMO mode test data were recorded in the report.

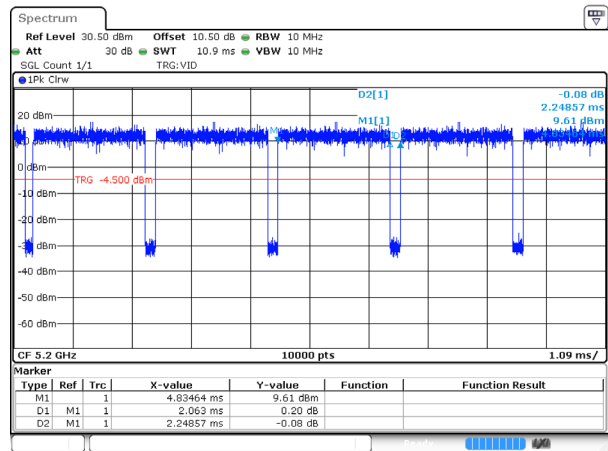
Duty Cycle:

Environmental Conditions & Test Information

Test Date:	2026-08-06 to 2026-08-07
Temperature:	25.8-26 °C
Relative Humidity:	48-50 %
ATM Pressure:	100.9-101.2 kPa
Test Result:	Pass
Test Engineer:	Hugh Wu

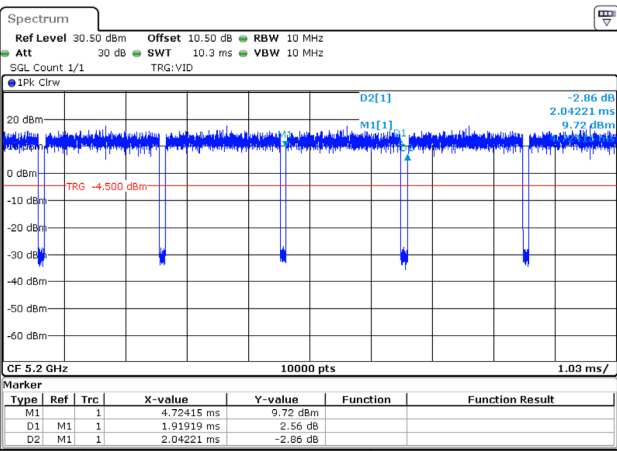
**5150MHz-5250MHz Band:
Chain 0**

802.11a mode



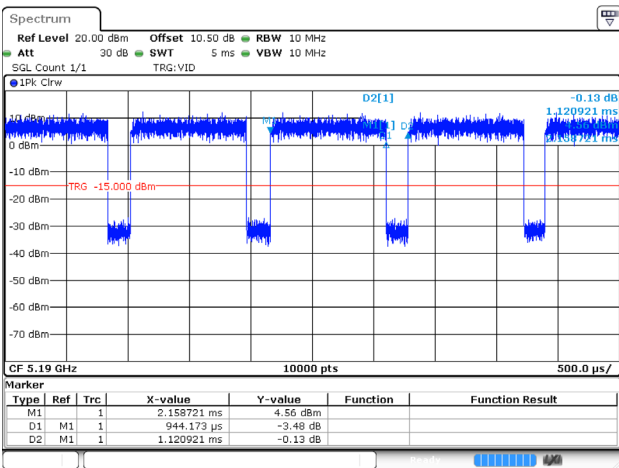
ProjectNo.: RKSA260709001 Tester: Hugh Wu
Date: 6 AUG 2026 17:14:21

802.11ac20 mode



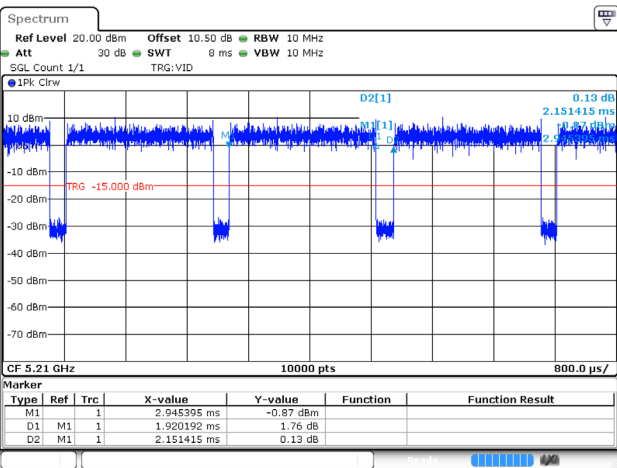
ProjectNo.: RKSA260709001 Tester: Hugh Wu
Date: 6 AUG 2026 18:09:58

802.11ac40 mode



ProjectNo.: RKSA260709001 Tester: Hugh Wu
Date: 6 AUG 2026 20:04:17

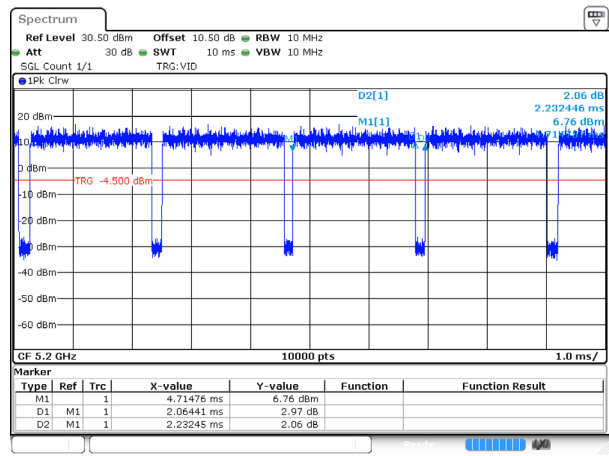
802.11ac80 mode



ProjectNo.: RKSA260709001 Tester: Hugh Wu
Date: 7 AUG 2026 10:34:43

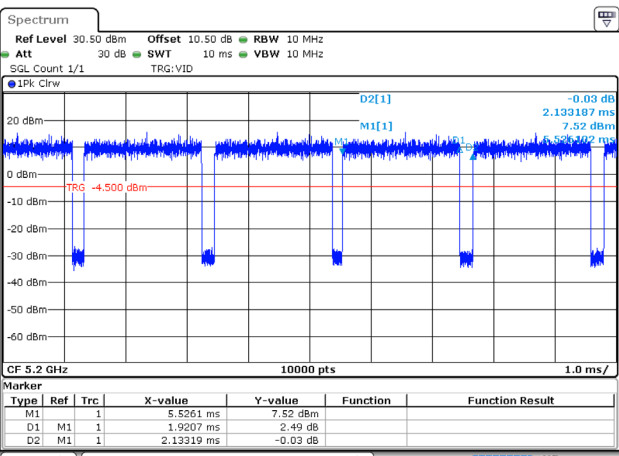
Chain 1

802.11a mode



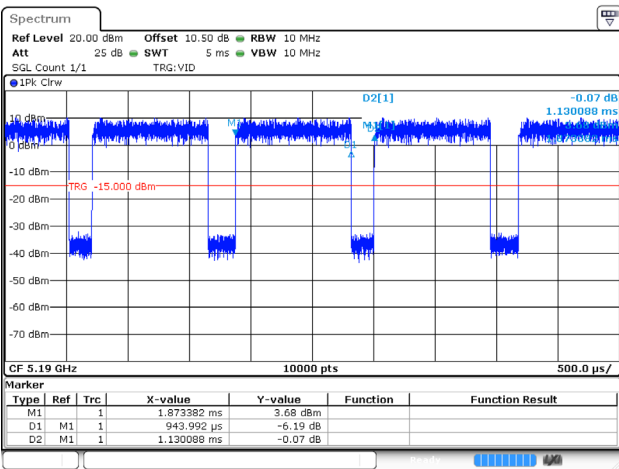
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 14:34:08

802.11ac20 mode



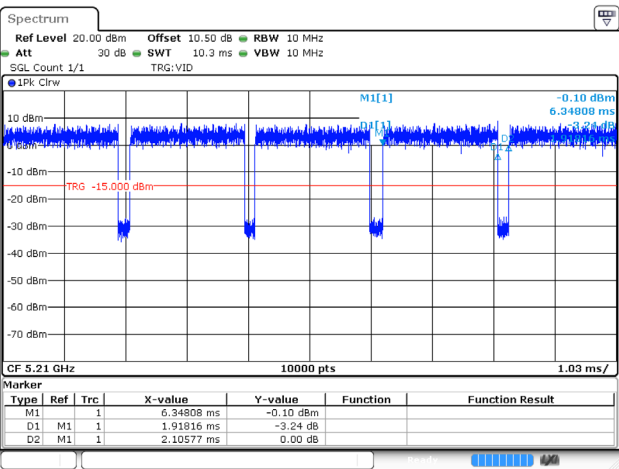
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 12:27:17

802.11ac40 mode



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 11:53:28

802.11ac80 mode

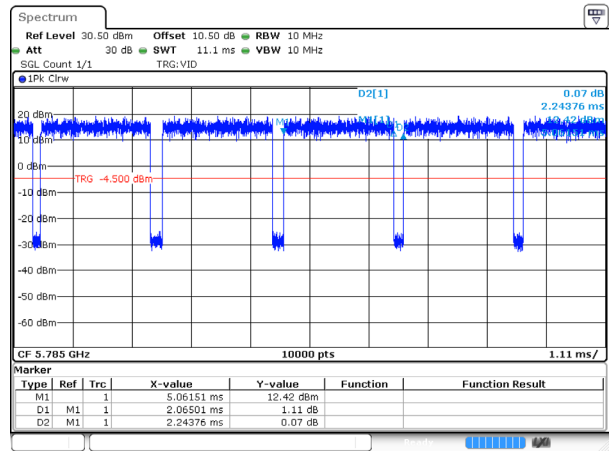


ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 11:17:23

5725MHz-5850MHz Band:

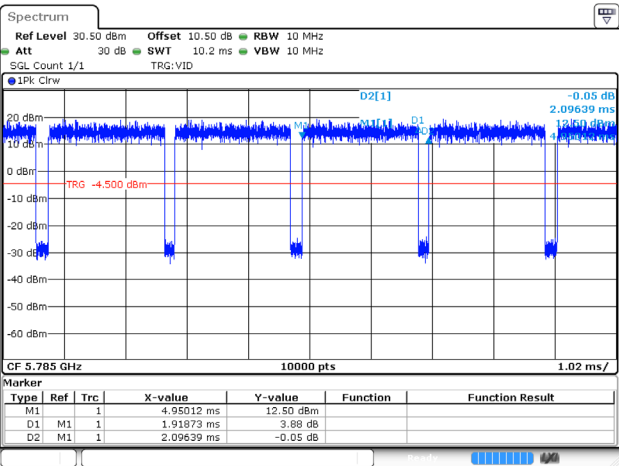
Chain 0

802.11a mode



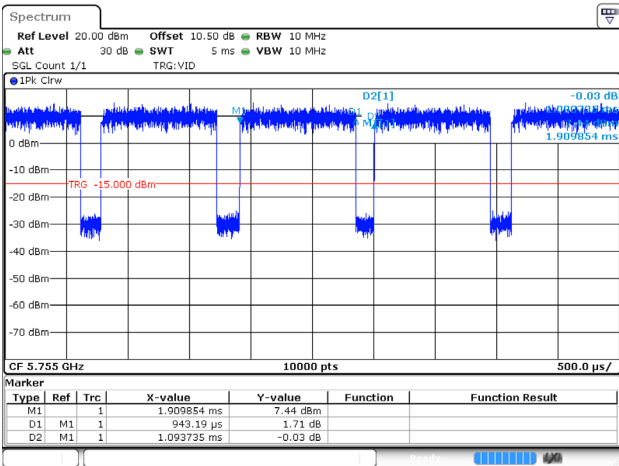
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 6 AUG 2026 17:58:45

802.11ac20 mode



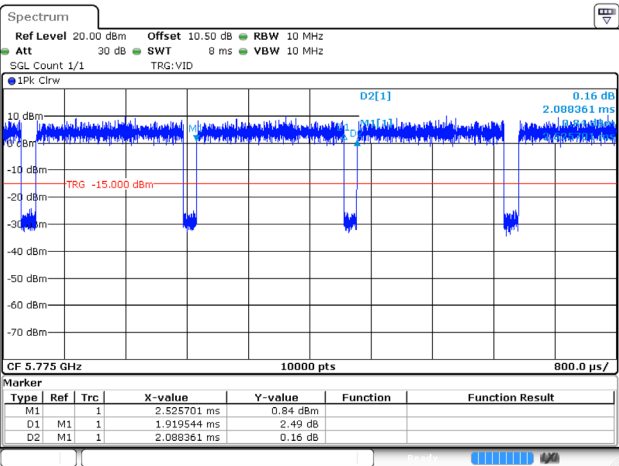
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 6 AUG 2026 18:31:44

802.11ac40 mode



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 6 AUG 2026 20:13:59

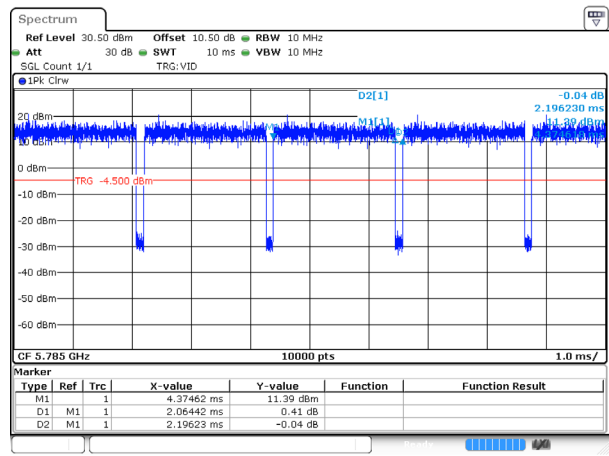
802.11ac80 mode



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7 AUG 2026 11:08:16

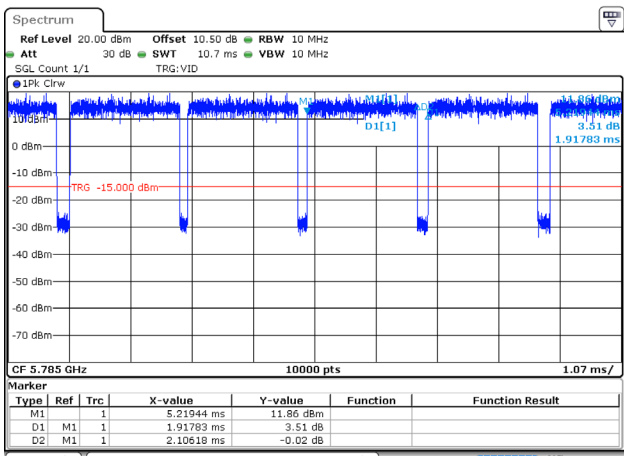
Chain 1

802.11a mode



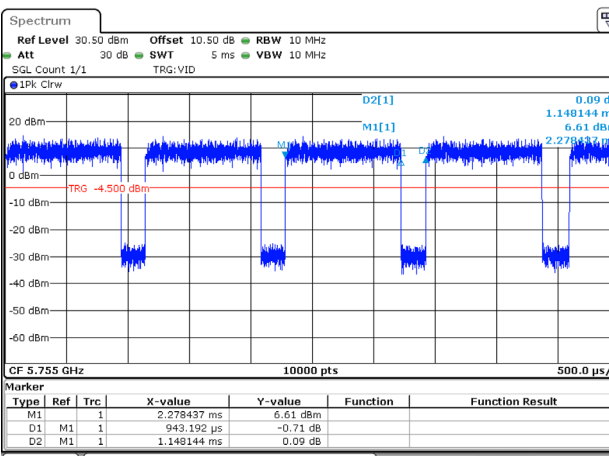
ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 14:45:34

802.11ac20 mode



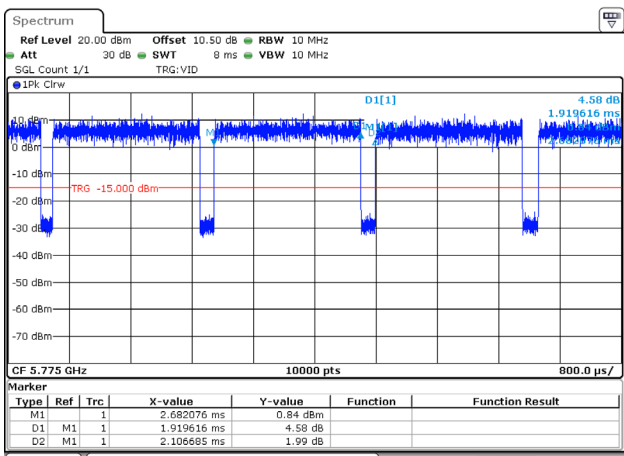
ProjectNo.: RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 14:22:57

802.11ac40 mode



ProjectNo.:RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 12:09:06

802.11ac80 mode



ProjectNo.: RKSA260709001 Tester:Hugh Wu
Date: 7.AUG.2026 11:13:15

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

5150MHz-5250MHz:

Mode	Frequency (MHz)	Chain 0				Chain1			
		Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5200	2.063	2.249	91.73	0.37	2.064	2.232	92.47	0.34
802.11ac20	5200	1.919	2.042	93.98	0.27	1.921	2.133	90.06	0.45
802.11ac40	5190	0.944	1.121	84.21	0.75	0.944	1.130	83.54	0.78
802.11ac80	5210	1.920	2.151	89.26	0.49	1.918	2.106	91.07	0.41

5725MHz-5850MHz:

Mode	Frequency (MHz)	Chain 0				Chain1			
		Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5785	2.065	2.244	92.02	0.36	2.064	2.196	93.99	0.27
802.11ac20	5785	1.919	2.096	91.56	0.38	1.918	2.106	91.07	0.41
802.11ac40	5755	0.943	1.094	86.20	0.65	0.943	1.148	82.14	0.85
802.11ac80	5775	1.920	2.088	91.95	0.36	1.920	2.107	91.12	0.40

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

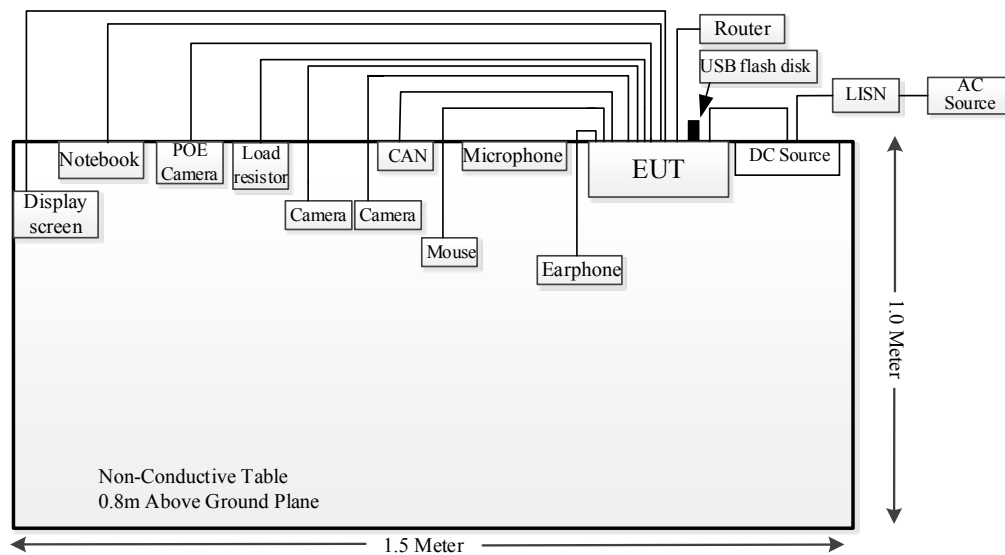
Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5
TP-LINK	Router	TL-XDR3010	/
LG	Display screen	27UL500	302NTKF2D813
Shenzhen Suoshi Technology Co., Ltd.	USB flash disk	32G	/
YUTOOL	Earphone	3.5mm--001	/
HP	Mouse	Usb1200DPI	/
UGREEN	Microphone	EP103	N/A
Zhao Xing	DC Source	RXN-605D	21R605D0531062
SENSING	Camera	SG2-IMX390C-5200-GMSL2	H190X-E07140564
Creative Technology Ltd	CAN (CANalyst-II)	Linux Version	31C10001337
N/A	Load resistor	5Ω	N/A
Tiandy	POE Camera	TD-CD25	N/A

External I/O Cable

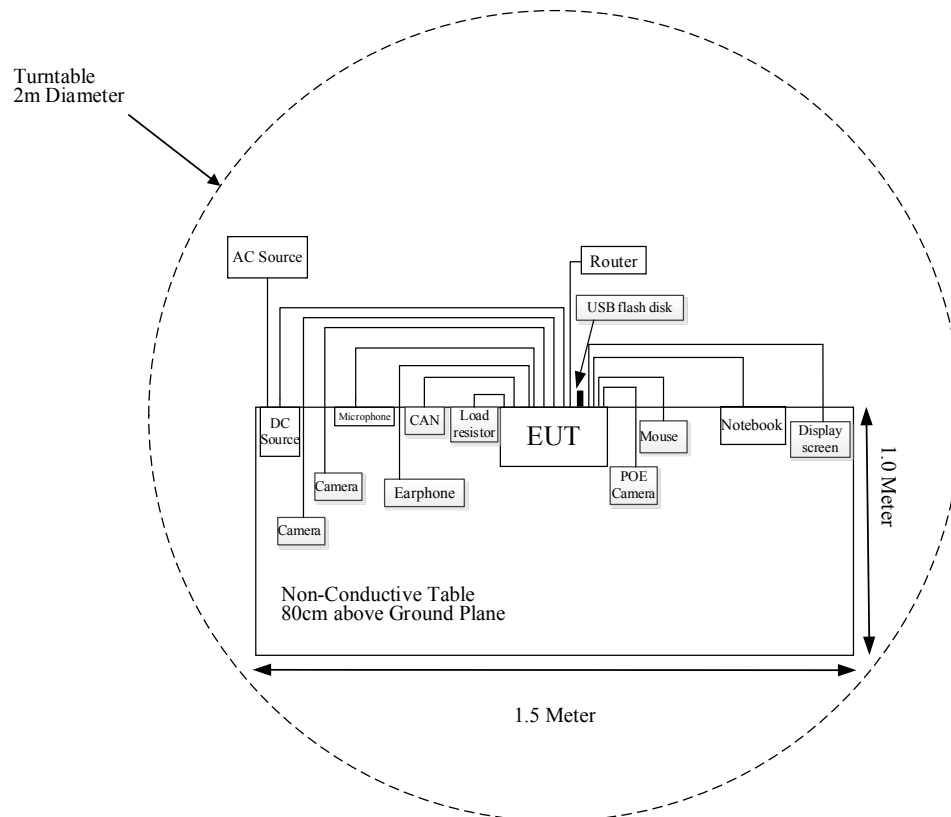
Cable Description	Length (m)	From Port	To Port
USB to RS232 serial port cable	1.5	EUT	Notebook
Power cable 1	1.2	EUT	DC Source
Power Cable 2	1.2	DC Source	EUT
Power Cable 3	1.0	DC Source	LISN/ AC Source
HDMI cable	1.2	Display screen	EUT
RJ45 cable	3.5	Router	EUT
USB cable	1.0	EUT	Mouse
Audio Cable 1	1.0	EUT	Earphone
Audio Cable 2	1.3	EUT	Microphone
GMSL2 Coaxial Cable	2.0	EUT	Camera
Power Cable 4	1.0	EUT	Load resistor
Power Cable 5	1.0	EUT	CAN
RJ45 Cable 2	1.5	EUT	POE Camera

Block Diagram of Test Setup

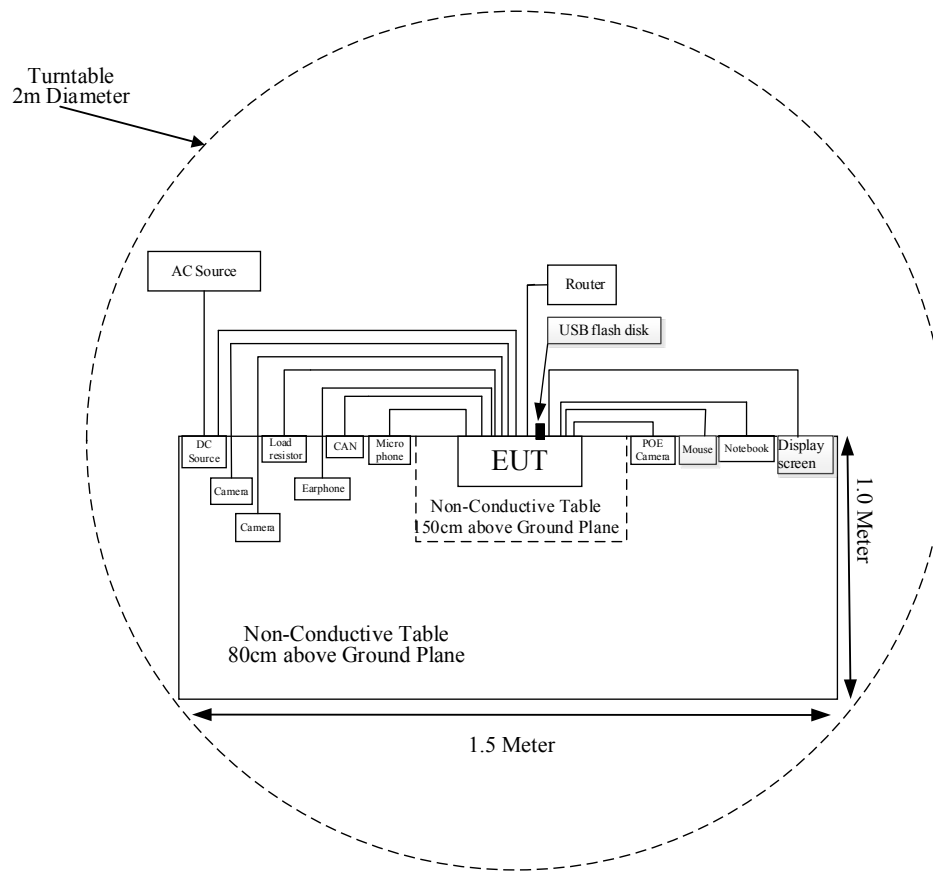
For Conducted Emissions:



For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1 GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207 & §15.407(b) (9)	AC Power Line Conducted Emissions	Compliant
§ 15.205 & §15.209 & §15.407(b)	Undesirable Emission & Restricted Bands	Compliant
§§15.407(a) & §15.407(e)	Emission Bandwidth	Compliant
§15.407(a)	Conducted Transmitter Output Power	Compliant
§15.407(a)	Power Spectral Density	Compliant
§1.1310 & §2.1091	MAXIMUM PERMISSIBLE EXPOSURE (MPE)	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2026-03-13	2027-03-12
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2024-10-29	2027-10-28
BACL	Active Loop Antenna	1313-1A	4041511	2025-08-10	2028-08-09
Narda	6 dB Attenuator	771-6	10690812-2-1	2024-10-29	2027-10-28
Sonoma Instrument	Amplifier	310N	171205	2026-03-13	2027-03-12
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-7	007	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-8	008	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-9	009	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2026-03-16	2027-03-15
EMCO	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
A.H.Systems,inc	Amplifier	PAM-0118P	512	2026-03-16	2027-03-15
MICRO-TRONICS	Band Reject Filter	BRM50716	G059	2026-04-08	2027-04-07
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
SELECTOR	Amplifier	EM18G40G	60726	2026-03-16	2027-03-15
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-25	025	2026-03-12	2027-03-11
MICRO-COAX	Coaxial Cable	Cable-11	011	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-12	012	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-13	013	2026-03-16	2027-03-15
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40-N	103298	2026-03-13	2027-03-12
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Anritsu	Power Sensor	MA24418A	12621	2026-03-13	2027-03-12
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2026-03-13	2027-03-12
Rohde & Schwarz	LISN	ENV216	101115	2026-03-12	2027-03-11
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2026-03-12	2027-03-11
MICRO-COAX	Coaxial Cable	Cable-15	015	2026-03-13	2027-03-12

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

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

Applicable Standard

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

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

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

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

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

Calculated Formulary

Predication of MPE limit at a given distance

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

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

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

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

Calculated Data:

Mode	Frequency Range (MHz)	Antenna Gain		★Tune-up Output Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)	MPE ratio
		(dBi)	(numeric)	(dBm)	(mW)				
2.4G WiFi	2412-2462	3.0	2.00	22.5	177.83	20	0.0707	1.0	0.0707
BLE	2402-2480	3.0	2.00	0.5	1.12	20	0.0004	1.0	0.0004
5G WiFi	5150-5250	0.02	1.00	13.0	19.95	20	0.0040	1.0	0.0040
	5725-5850	-1.6	0.69	15.0	31.62	20	0.0043	1.0	0.0043
WCDMA Band 2	1850-1910	2.94	1.97	25.0	316.23	20	0.1239	1.0	0.1239
WCDMA Band 4	1710-1755	2.94	1.97	25.0	316.23	20	0.1239	1.0	0.1239
WCDMA Band 5	824-849	1.25	1.33	25.0	316.23	20	0.0839	0.5493	0.1527
LTE Band 2	1850-1910	2.94	1.97	24.5	281.84	20	0.1104	1.0	0.1104
LTE Band 4	1710-1755	2.94	1.97	24.5	281.84	20	0.1104	1.0	0.1104
LTE Band 5	824-849	1.25	1.33	24.5	281.84	20	0.0748	0.5493	0.1362
LTE Band 7	2500-2570	2.4	1.74	24.0	251.19	20	0.0869	1.0	0.0869
LTE Band 12	699-716	0.33	1.08	24.5	281.84	20	0.0605	0.466	0.1298
LTE Band 13	777-787	0.33	1.08	24.5	281.84	20	0.0605	0.518	0.1168
LTE Band 14	788-798	0.33	1.08	24.5	281.84	20	0.0605	0.5253	0.1152
LTE Band 17	704-716	0.33	1.08	24.5	281.84	20	0.0605	0.4693	0.1289
LTE Band 25	1850-1915	2.94	1.97	24.5	281.84	20	0.1104	1.0	0.1104
LTE Band 26	814-849	1.25	1.33	24.5	281.84	20	0.0748	0.5427	0.1378
LTE Band 30	2305-2315	2.94	1.97	23.0	199.53	20	0.0782	1.0	0.0782
LTE Band 38	2570-2620	2.4	1.74	24.0	251.19	20	0.0869	1.0	0.0869
LTE Band 41	2496-2690	2.4	1.74	24.0	251.19	20	0.0869	1.0	0.0869
LTE Band 42	3450-3550	-2.00	0.63	22.0	158.49	20	0.0199	1.0	0.0199
LTE Band 43	3700-3800	-2.00	0.63	22.0	158.49	20	0.0199	1.0	0.0199
LTE Band 48	3550-3700	-2.00	0.63	22.0	158.49	20	0.0199	1.0	0.0199
LTE Band 66	1710-1780	2.94	1.97	24.5	281.84	20	0.1104	1.0	0.1104
LTE Band 71	663-698	0.33	1.08	24.5	281.84	20	0.0605	0.442	0.1369

Note:

1. For the above tune up power were declared by the manufacturer.
2. The EUT contains a certificated LTE-A Cat 6 M.2 Module, FCC ID: XMR2022EM060KGL, Date of Grant: 2023/11/01
3. Wi-Fi, BLE and WCDMA can be transmitting simultaneously, So

$$\sum_i \frac{S_i}{S_{Limit,i}} = 0.0707 + 0.0004 + 0.1527 = 0.2238 < 1.0$$

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

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

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

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

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

Antenna Connector Construction

Antenna use a unique type of connector to attach to the EUT. Please refer to the EUT photos.

Antenna Type	Frequency Range	Max. Antenna Gain	Input impedance
Monopole Antenna	5150~5250 MHz	0.02 dBi	50Ω
	5725~5850 MHz	-1.6 dBi	50Ω

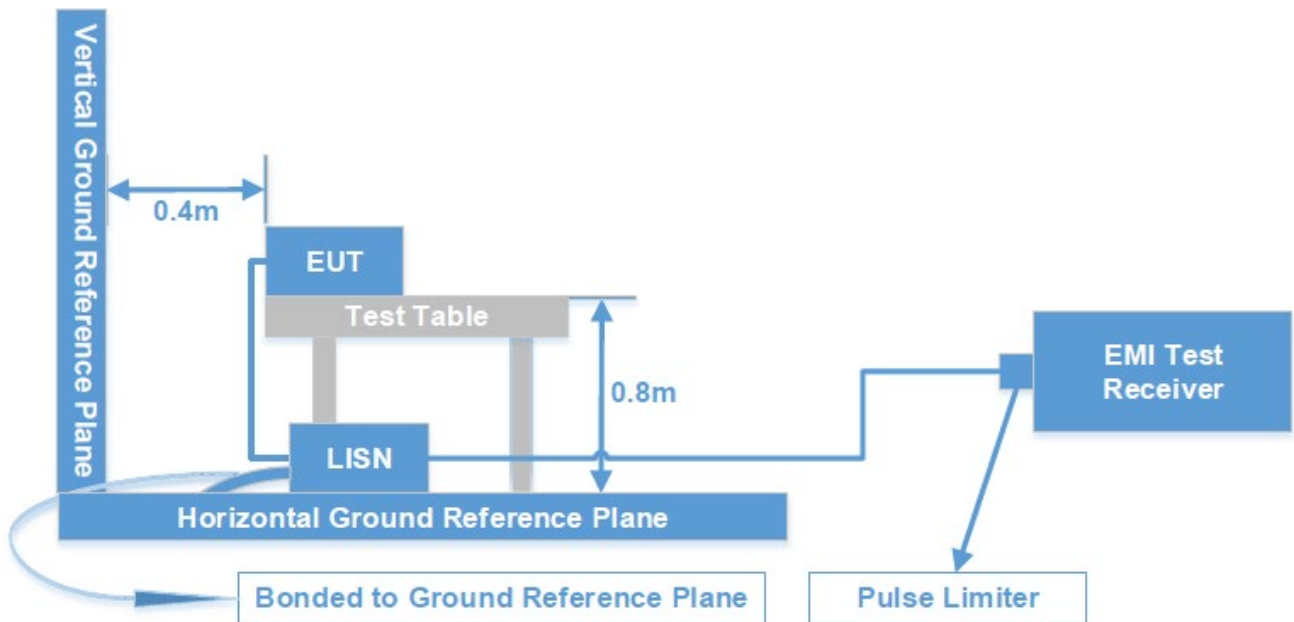
Result: Compliant.

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

Applicable Standard

FCC §15.207(a), §15.407(b) (9)

Test System Setup



The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

Frequency Range	RBW
150 kHz - 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the EUT or adapter was connected to the LISN.

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

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

Level & Over Limit Calculation

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

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

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

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

Test Results Summary

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

Test Data: See Appendix

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

Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

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

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

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

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

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

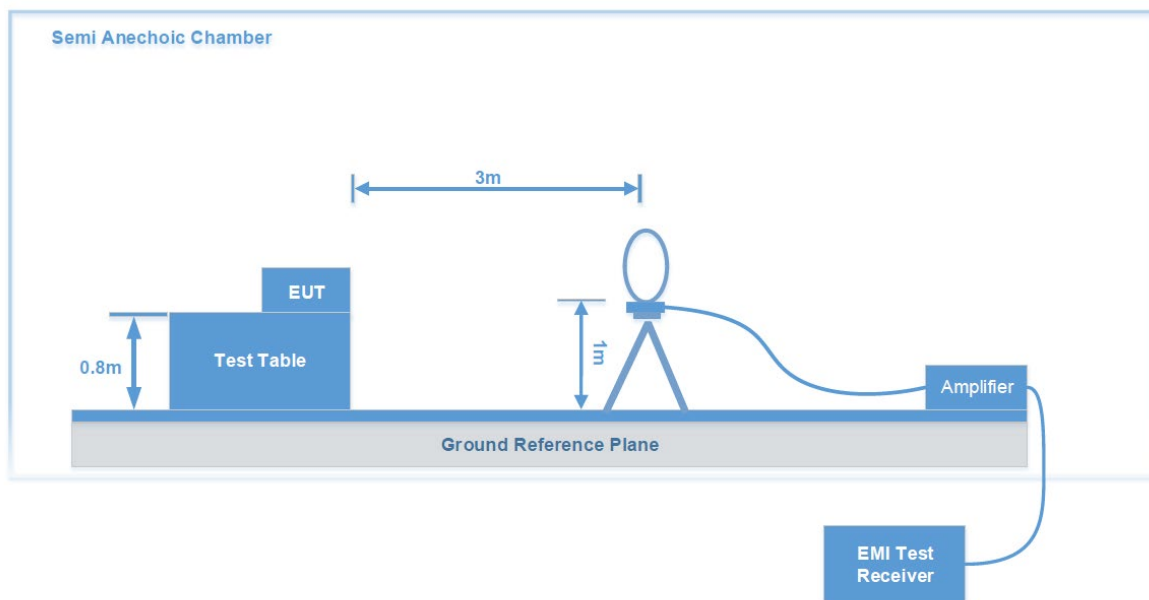
(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the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

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

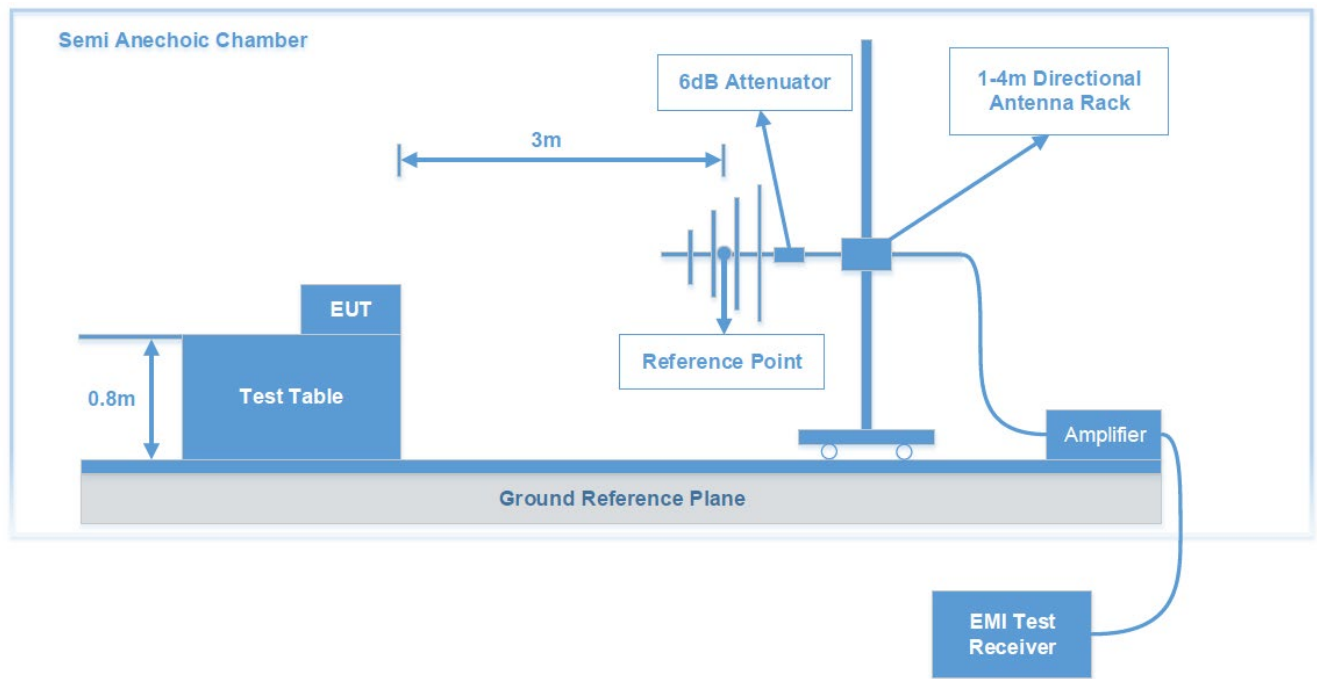
According to 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: $E [dB\mu V/m] = EIRP [dBm] + 95.2$, for $d = 3$ meters.

Test System Setup

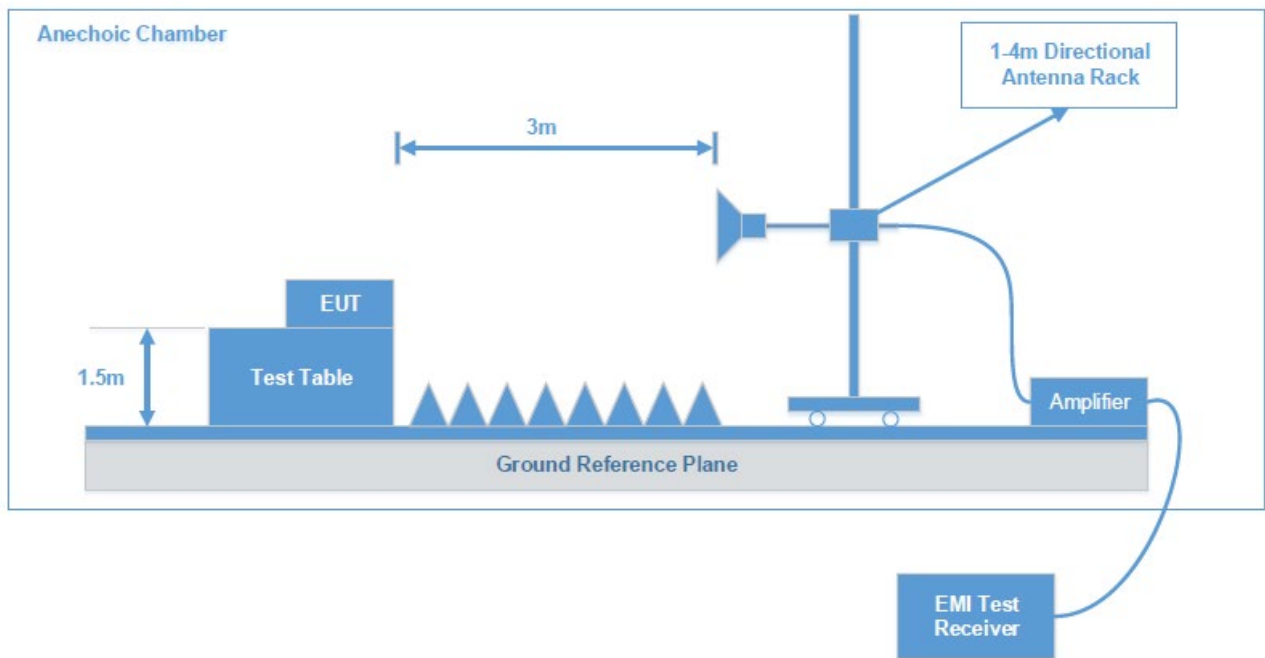
9kHz-30 MHz:



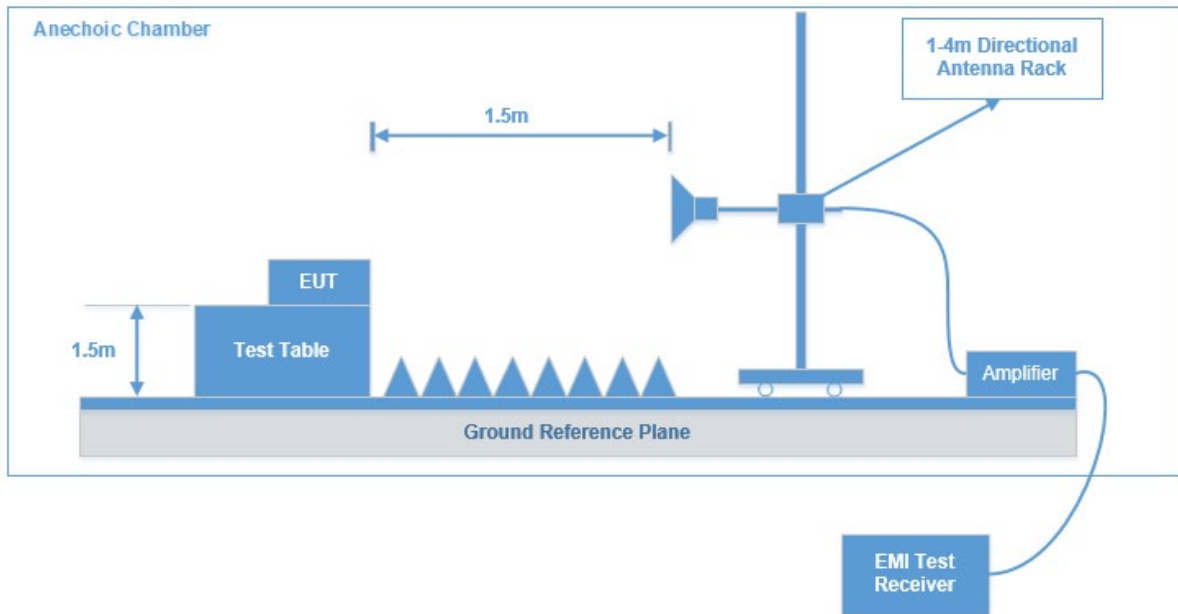
30MHz-1GHz:



1 GHz-18GHz:



18-40GHz:



The radiated emission tests were performed in the 3 meters test site for below 18GHz and 1.5m for 18-40 GHz, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209 and FCC 15.407 limits. According to ANSI C63.10 - 2020,9.2.1: For field strength measurements made at other than the distance specified by the limit, extrapolate the measured field strength to the field strength at the distance specified by the limit using an inverse distance correction factor (20 dB/decade of

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

distance)

Where

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

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

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

The spacing between the peripherals was 10 cm.

EMI Test Receiver & Spectrum Analyzer Setup

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

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

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

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

Test Procedure

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

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

Corrected Amplitude & Margin Calculation

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

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

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

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

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

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

Test Data: See Appendix

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

Applicable Standard

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

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

Test Procedure

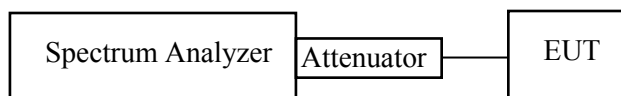
1. Emission Bandwidth (EBW)

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

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



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

Test Data: See Appendix

FCC §15.407(a) – CONDUCTED TRANSMITTER OUTPUT POWER

Applicable Standard

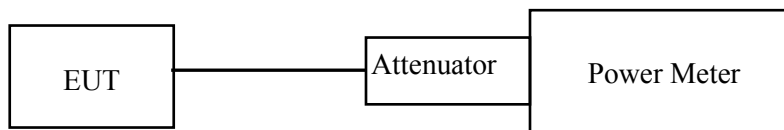
For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting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

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

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

Test Procedure

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



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

Test Data: See Appendix

FCC §15.407(a) - POWER SPECTRAL DENSITY

Applicable Standard

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

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

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

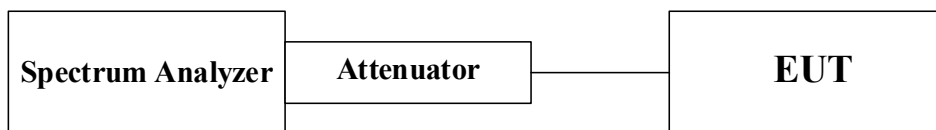
Test Procedure

The measurements are base on C63.10:2020

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

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

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



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

Test Data: See Appendix

APPENDIX - TEST DATA

CONDUCTED EMISSIONS

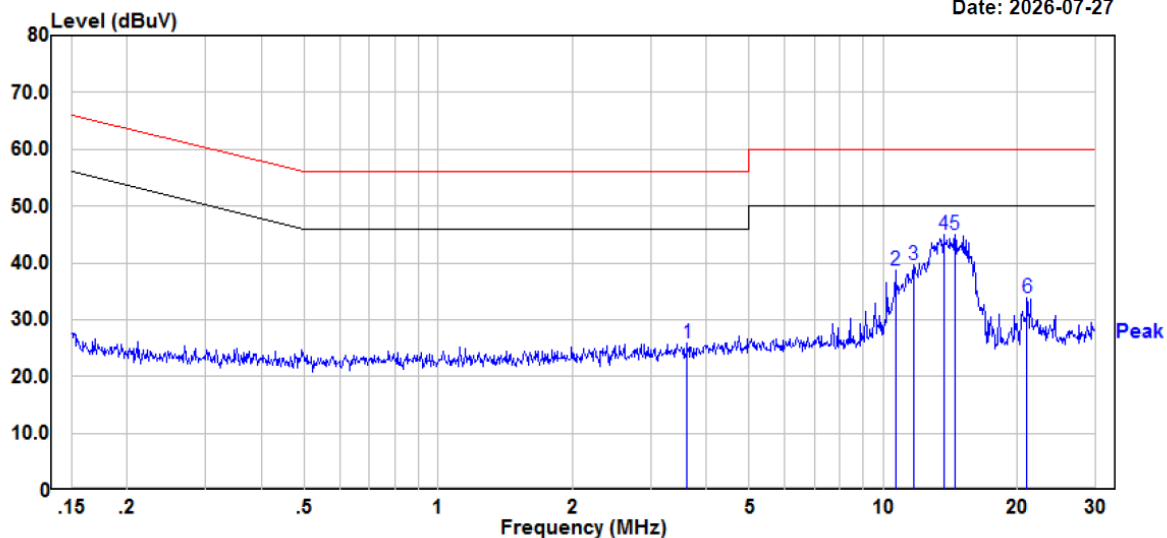
Environmental Conditions & Test Information

Test Date:	2026-07-27
Temperature:	28.8 °C
Relative Humidity:	54 %
ATM Pressure:	101.2 kPa
Test Result:	Pass
Test Engineer:	Aiden Feng

EUT operation mode: Transmitting in Chain 0 + Chain 1 802.11ac20 mode 5745MHz (maximum output power)

AC 120V/60Hz, Line

Date: 2026-07-27

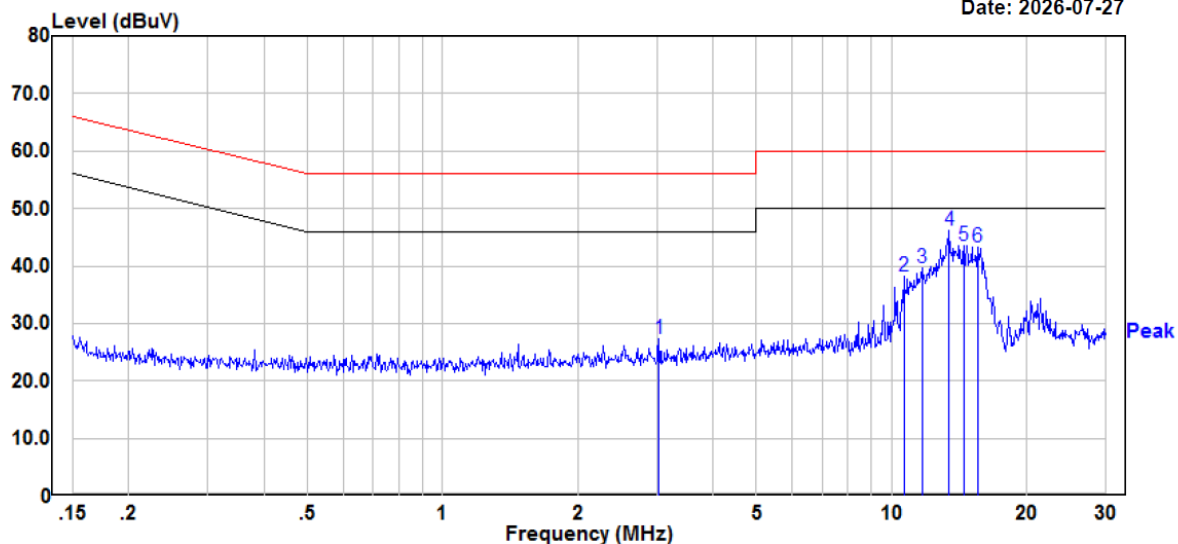


Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA260709001
Model : EC5350
Phase : L
Voltage : 120V/60Hz
Mode : 5G WIFI
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 28.8°C
Humidity : 54%
Atmospheric pressure: 101.2kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	3.625	5.47	20.44	25.91	56.00	-30.09	Peak
2	10.638	18.17	20.49	38.66	60.00	-21.34	Peak
3	11.695	19.19	20.50	39.69	60.00	-20.31	Peak
4	13.649	24.40	20.52	44.92	60.00	-15.08	Peak
5	14.490	24.43	20.52	44.95	60.00	-15.05	Peak
6	21.059	13.39	20.55	33.94	60.00	-26.06	Peak

AC 120V/60Hz, Neutral

Date: 2026-07-27



Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA260709001
Model : EC5350
Phase : N
Voltage : 120V/60Hz
Mode : 5G WIFI
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 28.8°C
Humidity : 54%
Atmospheric pressure: 101.2kPa
Test Engineer : Aiden Feng
Check by : Bard Liu

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	3.030	6.80	20.46	27.26	56.00	-28.74	Peak
2	10.638	17.57	20.51	38.08	60.00	-21.92	Peak
3	11.695	19.05	20.51	39.56	60.00	-20.44	Peak
4	13.447	25.60	20.53	46.13	60.00	-13.87	Peak
5	14.490	22.99	20.53	43.52	60.00	-16.48	Peak
6	15.538	22.83	20.53	43.36	60.00	-16.64	Peak

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

Test Item:	SPURIOUS EMISSIONS				
	9kHz – 30MHz	30MHz - 1GHz	1 GHz - 18 GHz		18 GHz - 40 GHz
Test Date:	2026-08-11	2026-08-11	2026-08-04	2026-08-05	2026-07-31
Temperature:	24.3 °C	24.3 °C	25.9°C	25.7°C	23.8 °C
Relative Humidity:	59 %	59 %	44%	43%	49 %
ATM Pressure:	100.3 kPa	100.3 kPa	101.2kPa	101.1kPa	100.4 kPa
Test Result:	Pass	Pass	Pass	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang	Destine Hu	Destine Hu	Hugh Wu

Test Result: Compliant

EUT operation mode: Transmitting

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

EUT operation mode: Transmitting

5150-5250MHz Band

9 kHz-30 MHz:

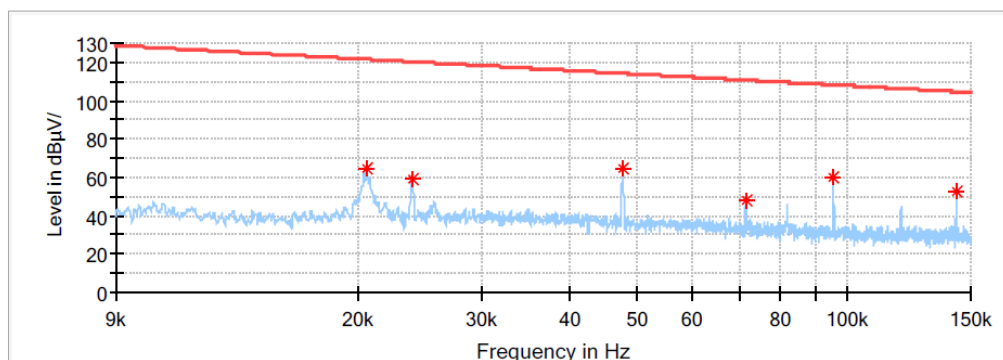
Transmitting in 802.11ac20 mode chain0+1 5240MHz (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11ac20 mode High channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	24.3°C
Humidity:	59%
Barometric Pressure:	100.3kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/8/11

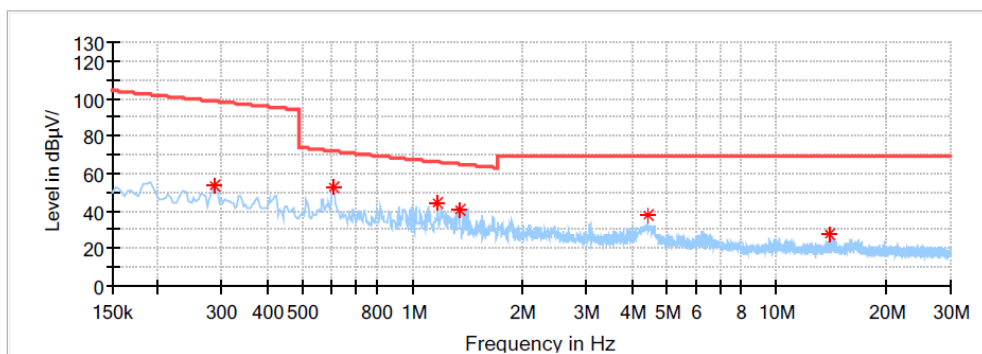


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.020562	64.10	121.34	57.24	Parallel	-0.1
0.023858	58.71	120.04	61.33	Parallel	-0.1
0.047722	64.28	114.03	49.75	Parallel	-2.9
0.071534	47.99	110.51	62.52	Parallel	-5.8
0.095433	60.25	108.01	47.76	Parallel	-8.1
0.143144	52.84	104.48	51.64	Parallel	-10.3

150kHz-30MHz**Common Information**

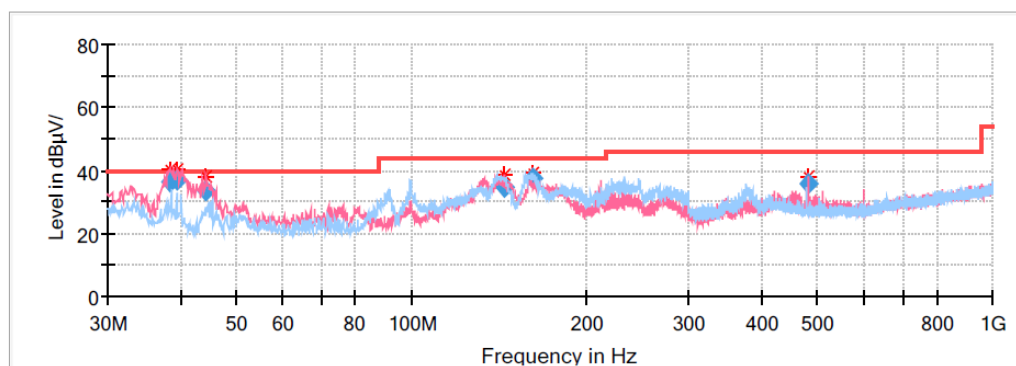
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11ac20 mode High channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 24.3°C
Humidity: 59%
Barometric Pressure: 100.3 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/8/11

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.284325	53.23	98.39	45.17	Parallel	-16.4
0.605212	52.63	71.84	19.21	Parallel	-23.0
1.172362	44.33	66.04	21.71	Parallel	-27.7
1.347731	40.51	64.88	24.37	Parallel	-28.3
4.433475	37.40	69.54	32.14	Parallel	-31.3
14.022788	27.36	69.54	42.18	Parallel	-32.2

30MHz-1GHz:**Transmitting in 802.11ac20 mode 5240MHz (maximum output power)****High Channel: 5240MHz****Common Information**

Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11ac20 mode High channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	24.3°C
Humidity:	59%
Barometric Pressure:	100.3kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/8/11

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
38.366250	36.16	40.00	3.84	V	-9.9
39.578750	37.00	40.00	3.00	V	-10.2
44.428750	33.35	40.00	6.65	V	-13.8
144.702500	34.42	43.50	9.08	V	-11.2
161.556250	37.51	43.50	5.99	H	-11.9
482.383750	35.69	46.00	10.31	V	-5.4

EUT operation mode: Transmitting

5725-5850MHz Band

9 kHz-30 MHz:

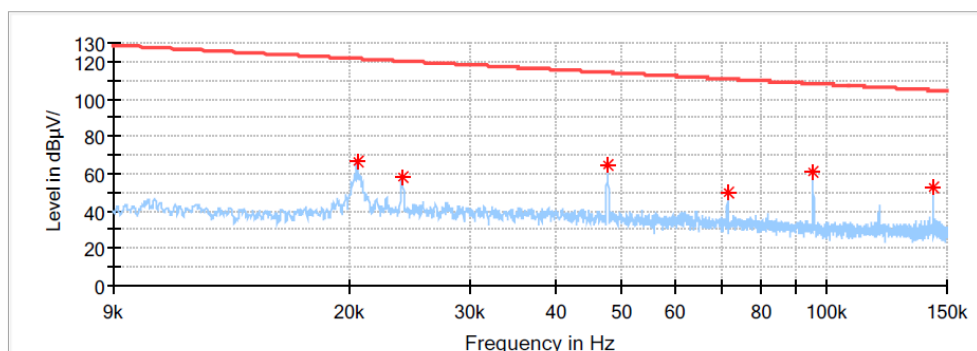
Transmitting in 802.11ac20 mode 5745MHz Chain0+1 (maximum output power)

Parallel(worst case)

9kHz -150kHz

Common Information

Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11ac20 mode Low channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	24.3°C
Humidity:	59%
Barometric Pressure:	100.3kPa
Test Engineer:	Scarf Yang
Check by:	Winnie Yang
Test Date:	2026/8/11

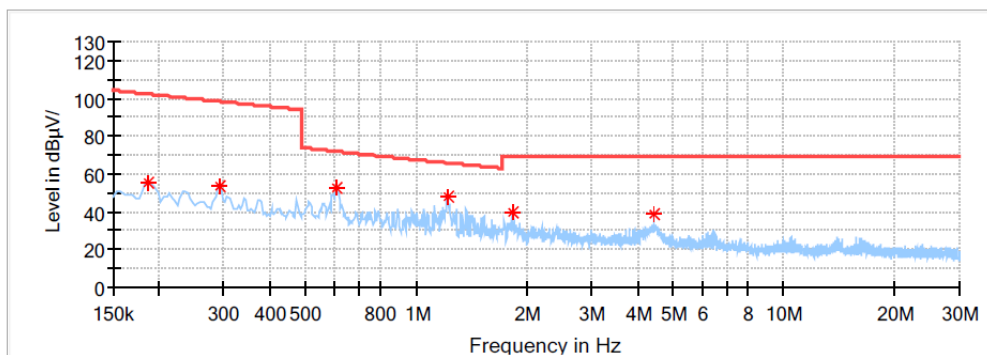


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.020492	66.07	121.37	55.30	Parallel	-0.1
0.023858	58.51	120.04	61.53	Parallel	-0.1
0.047722	64.58	114.03	49.45	Parallel	-2.9
0.071586	49.52	110.51	60.99	Parallel	-5.8
0.095451	60.46	108.01	47.55	Parallel	-8.1
0.143179	52.78	104.48	51.70	Parallel	-10.3

150 kHz-30MHz**Common Information**

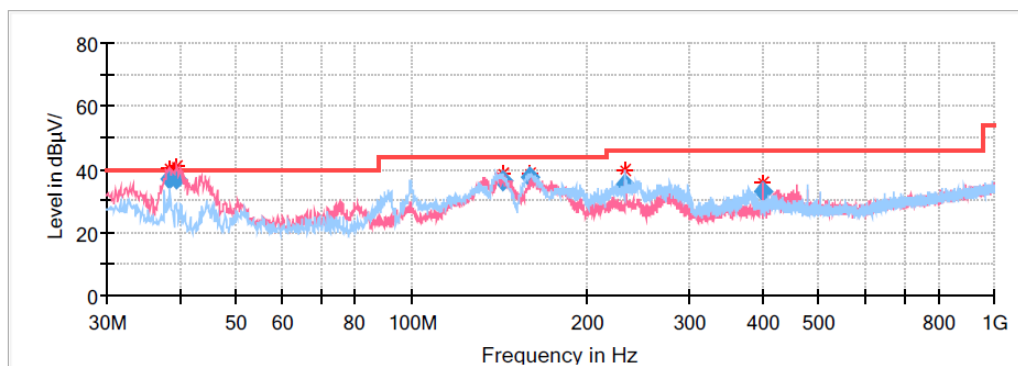
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11ac20 mode Low channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 24.3°C
Humidity: 59%
Barometric Pressure: 100.3 kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/8/11

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.187312	55.13	102.07	46.94	Parallel	-12.2
0.291788	53.35	98.17	44.82	Parallel	-16.7
0.608944	52.25	71.79	19.54	Parallel	-23.1
1.217138	47.84	65.73	17.89	Parallel	-27.8
1.821600	39.35	69.54	30.19	Parallel	-29.8
4.433475	38.69	69.54	30.85	Parallel	-31.3

30MHz-1GHz:**Transmitting in 802.11ac20 mode 5745MHz (maximum output power)****Low Channel: 5745MHz****Common Information**

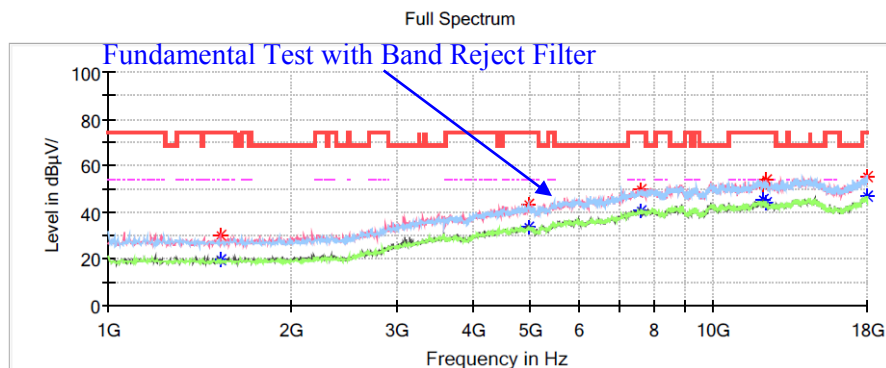
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11ac20 mode Low channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 24.3°C
Humidity: 59%
Barometric Pressure: 100.3kPa
Test Engineer: Scarf Yang
Check by: Winnie Yang
Test Date: 2026/8/11

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
38.487500	37.05	40.00	2.95	V	-10.2
39.578750	37.07	40.00	2.93	V	-10.2
143.732500	36.22	43.50	7.28	H	-11.3
159.373750	37.19	43.50	6.31	H	-11.9
232.366250	35.28	46.00	10.72	H	-12.5
399.933750	32.81	46.00	13.19	V	-8.0

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

Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11a mode chain 0 Low Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	25.9°C
Humidity:	44%
Atmospheric Pressure:	101.2kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/8/4

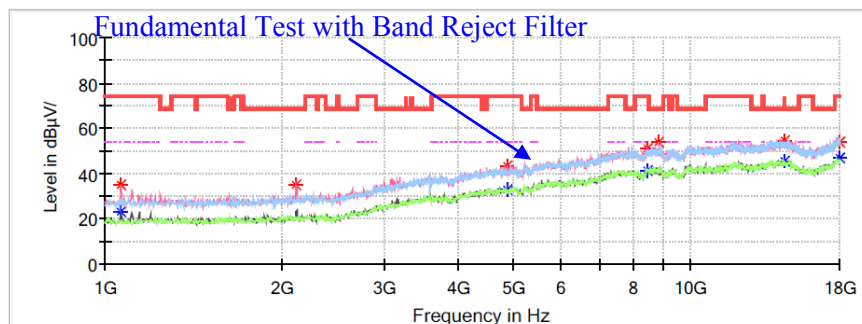
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1530.400000	---	19.68	54.00	34.32	V	-13.9
1530.400000	30.13	---	74.00	43.87	V	-13.9
4940.600000	---	33.37	54.00	20.63	H	-3.0
4940.600000	43.47	---	74.00	30.53	H	-3.0
7592.600000	---	40.40	54.00	13.60	V	3.3
7592.600000	49.98	---	74.00	24.02	V	3.3
12114.600000	---	45.12	54.00	8.88	V	9.0
12114.600000	51.52	---	74.00	22.48	V	9.0
12254.000000	---	43.79	54.00	10.21	V	8.9
12254.000000	53.96	---	74.00	20.04	V	8.9
17996.600000	55.00	---	74.00	19.00	V	13.8
17996.600000	---	46.98	54.00	7.02	V	13.8

Middle Channel: 5200MHz**Common Information**

Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11a mode chain 0 Middle Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9°C
Humidity: 44%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/4

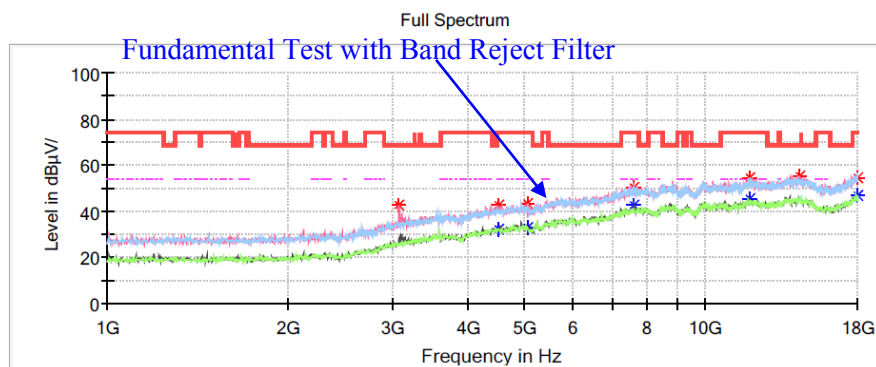
Full Spectrum

**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)
1064.600000	34.92	---	74.00	39.08	V	-15.9
1064.600000	---	23.06	54.00	30.94	V	-15.9
2122.000000	34.97	---	68.20	33.23	V	-11.3
4852.200000	---	32.85	54.00	21.15	H	-3.3
4852.200000	43.09	---	74.00	30.91	H	-3.3
8469.800000	---	41.08	54.00	12.92	H	4.6
8469.800000	51.39	---	74.00	22.61	H	4.6
8840.400000	53.90	---	68.20	14.30	V	4.8
14498.000000	54.40	---	74.00	19.60	H	11.1
14498.000000	---	45.25	54.00	8.75	H	11.1
17986.400000	---	46.59	54.00	7.41	V	13.7
17986.400000	54.01	---	74.00	19.99	V	13.7

High Channel: 5240MHz**Common Information**

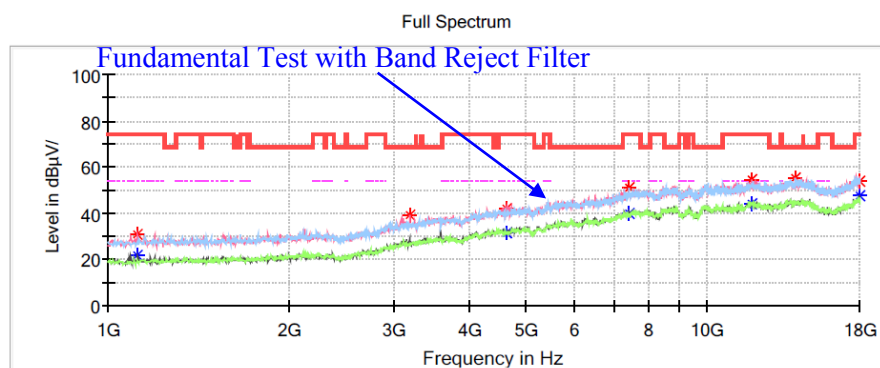
Project No: RKSA260709001
 EUT Model: EC5350
 Test Mode: Transmitting in 802.11a mode chain 0 High Channel
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 25.9°C
 Humidity: 44%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/8/4

**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)
3080.800000	42.38	---	68.20	25.82	V	-8.1
4508.800000	---	32.04	54.00	21.96	V	-4.4
4508.800000	42.55	---	74.00	31.45	V	-4.4
5042.600000	---	33.22	54.00	20.78	H	-2.7
5042.600000	43.57	---	74.00	30.43	H	-2.7
7623.200000	50.68	---	74.00	23.32	V	3.3
7623.200000	---	42.31	54.00	11.69	V	3.3
11873.200000	---	45.34	54.00	8.66	V	8.8
11873.200000	54.39	---	74.00	19.61	V	8.8
14372.200000	55.52	---	68.20	12.68	V	11.0
17962.600000	---	46.69	54.00	7.31	V	13.6
17962.600000	54.81	---	74.00	19.19	V	13.6

Chain 1
802.11a Mode:**Low Channel: 5180MHz****Common Information**

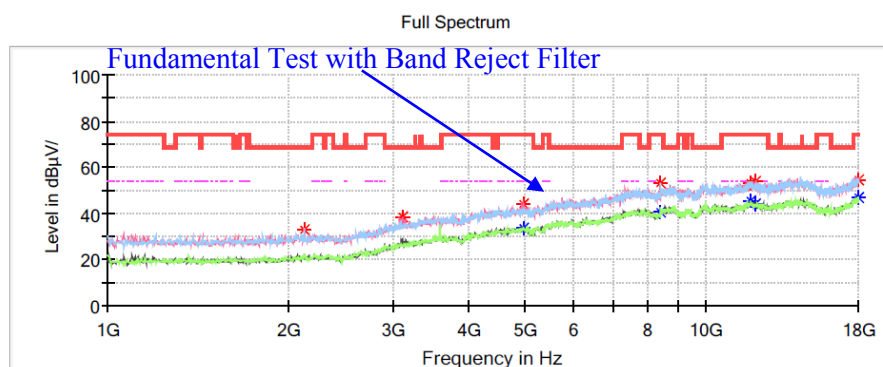
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11a mode chain 1 Low Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9℃
Humidity: 44%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/4

**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)
1119.000000	---	21.91	54.00	32.09	V	-15.6
1119.000000	30.95	---	74.00	43.05	V	-15.6
3189.600000	39.43	---	68.20	28.77	V	-7.6
4614.200000	42.22	---	74.00	31.78	H	-4.0
4614.200000	---	31.46	54.00	22.54	H	-4.0
7415.800000	50.97	---	74.00	23.03	V	3.0
7415.800000	---	40.17	54.00	13.83	V	3.0
11863.000000	---	43.94	54.00	10.06	V	8.8
11863.000000	54.56	---	74.00	19.44	V	8.8
14083.200000	54.98	---	68.20	13.22	H	10.7
17993.200000	54.16	---	74.00	19.84	V	13.8
17993.200000	---	47.23	54.00	6.77	V	13.8

Middle Channel: 5200MHz**Common Information**

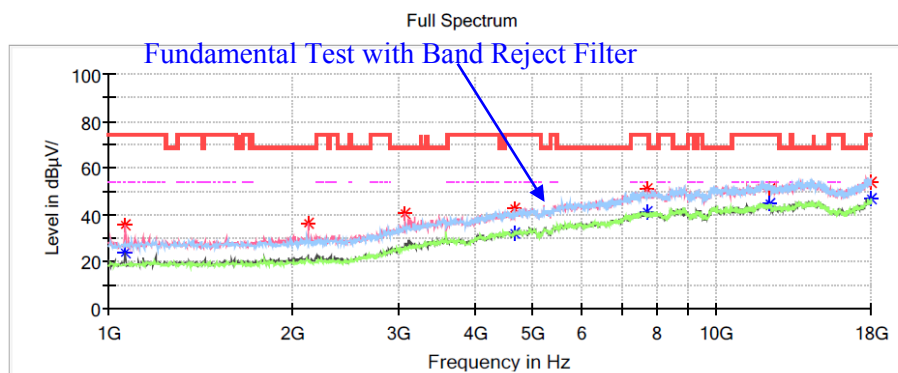
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11a mode chain 1 Middle Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9°C
Humidity: 44%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/4

**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)
2132.200000	33.21	---	68.20	34.99	V	-11.3
3114.800000	38.20	---	68.20	30.00	V	-7.9
4967.800000	---	33.81	54.00	20.19	H	-2.9
4967.800000	43.93	---	74.00	30.07	H	-2.9
8401.800000	---	40.73	54.00	13.27	H	4.5
8401.800000	52.82	---	74.00	21.18	H	4.5
11873.200000	52.87	---	74.00	21.13	H	8.8
11873.200000	---	45.46	54.00	8.54	H	8.8
12111.200000	---	44.16	54.00	9.84	V	9.0
12111.200000	54.19	---	74.00	19.81	V	9.0
17972.800000	54.37	---	74.00	19.63	H	13.7
17972.800000	---	46.79	54.00	7.21	H	13.7

High Channel: 5240MHz**Common Information**

Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11a mode chain 1 High Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	25.9°C
Humidity:	44%
Atmospheric Pressure:	101.2kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/8/4

**Critical Freqs**

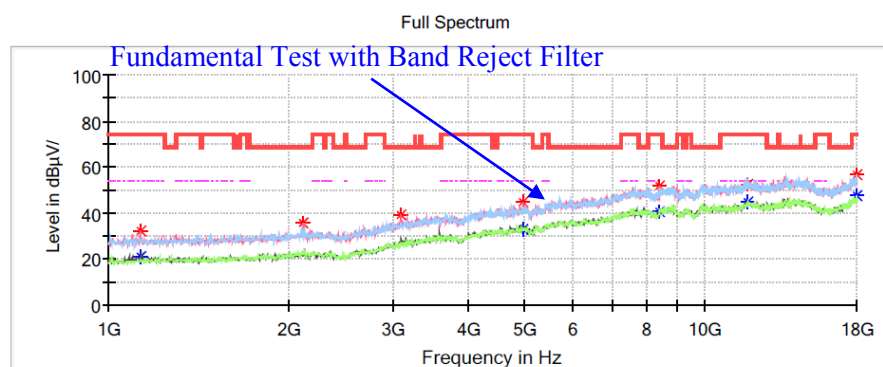
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1064.600000	35.54	---	74.00	38.46	V	-15.9
1064.600000	---	23.57	54.00	30.43	V	-15.9
2128.800000	36.13	---	68.20	32.07	V	-11.3
3077.400000	40.72	---	68.20	27.48	V	-8.1
4651.600000	---	31.91	54.00	22.09	V	-3.9
4651.600000	42.68	---	74.00	31.32	V	-3.9
7681.000000	50.86	---	74.00	23.14	V	3.4
7681.000000	---	41.09	54.00	12.91	V	3.4
12271.000000	---	44.98	54.00	9.02	H	8.9
12271.000000	51.40	---	74.00	22.60	H	8.9
17972.800000	---	46.65	54.00	7.35	H	13.7
17972.800000	54.17	---	74.00	19.83	H	13.7

MIMO (Chain 0+Chain 1):
802.11ac20 Mode:

Low Channel: 5180MHz

Common Information

Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11ac20 mode chain 0+1 Low Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	25.9°C
Humidity:	44%
Atmospheric Pressure:	101.2kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/8/4

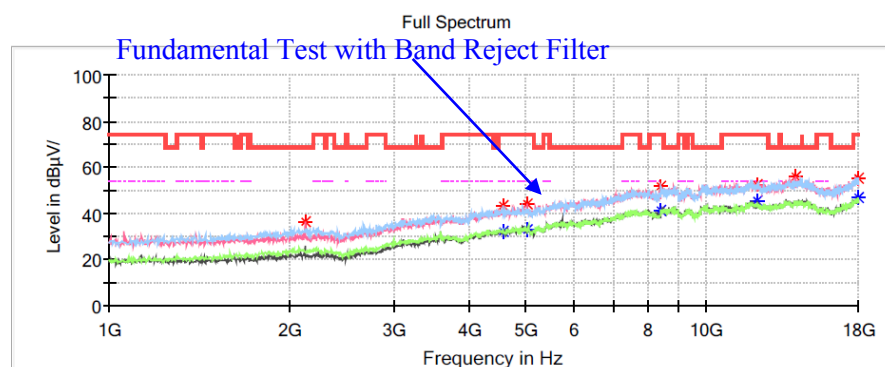


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1129.200000	---	21.20	54.00	32.80	V	-15.6
1129.200000	31.84	---	74.00	42.16	V	-15.6
2122.000000	35.73	---	68.20	32.47	V	-11.3
3087.600000	39.47	---	68.20	28.73	V	-8.0
4964.400000	---	32.86	54.00	21.14	V	-2.9
4964.400000	44.72	---	74.00	29.28	V	-2.9
8418.800000	---	40.65	54.00	13.35	V	4.5
8418.800000	51.82	---	74.00	22.18	V	4.5
11835.800000	---	45.09	54.00	8.91	H	8.7
11835.800000	52.40	---	74.00	21.60	H	8.7
17993.200000	56.41	---	74.00	17.59	H	13.8
17993.200000	---	47.38	54.00	6.62	H	13.8

Middle Channel: 5200MHz**Common Information**

Project No: RKSA260709001
 EUT Model: EC5350
 Test Mode: Transmitting in 802.11ac20 mode chain 0+1 Middle Channel
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 25.9°C
 Humidity: 44%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/8/4

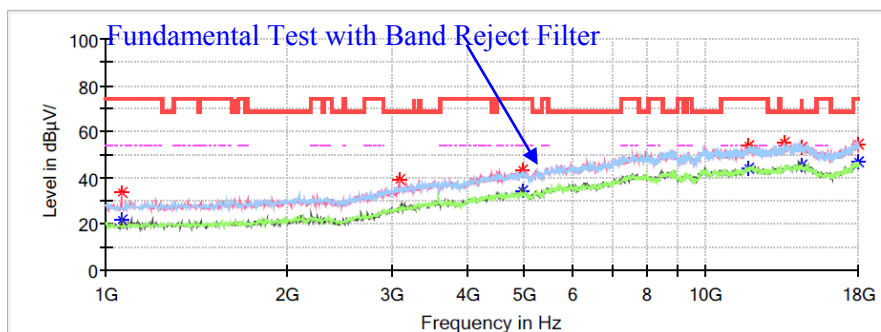
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2128.800000	36.45	---	68.20	31.75	V	-11.3
4570.000000	---	32.22	54.00	21.78	H	-4.2
4570.000000	43.24	---	74.00	30.76	H	-4.2
5018.800000	---	33.04	54.00	20.96	H	-2.7
5018.800000	44.26	---	74.00	29.74	H	-2.7
8418.800000	---	41.49	54.00	12.51	V	4.5
8418.800000	51.79	---	74.00	22.21	V	4.5
12165.600000	---	45.65	54.00	8.35	V	8.9
12165.600000	52.18	---	74.00	21.82	V	8.9
14093.400000	55.81	---	68.20	12.39	V	10.7
17996.600000	55.48	---	74.00	18.52	H	13.8
17996.600000	---	47.00	54.00	7.00	H	13.8

High Channel: 5240MHz**Common Information**

Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11ac20 mode chain 0+1 High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9℃
Humidity: 44%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/4

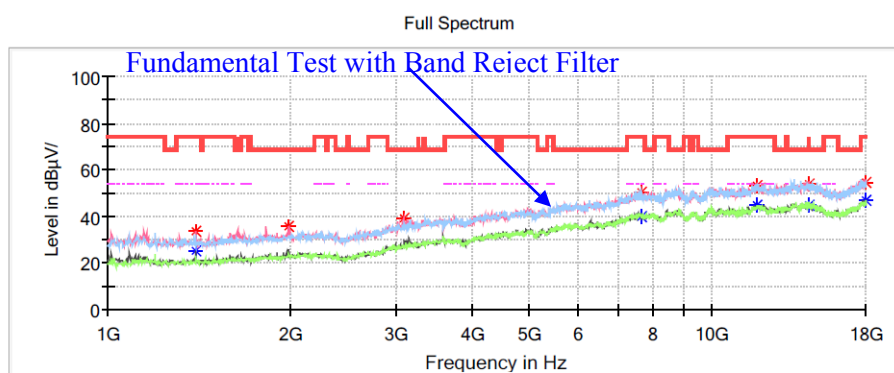
Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Pol	Corr. (dB/m)
1061.200000	33.74	---	74.00	40.26	V	-15.9
1061.200000	---	21.49	54.00	32.51	V	-15.9
3084.200000	38.99	---	68.20	29.21	V	-8.1
4961.000000	---	34.09	54.00	19.91	V	-2.9
4961.000000	43.07	---	74.00	30.93	V	-2.9
11818.800000	---	44.25	54.00	9.75	V	8.7
11818.800000	54.17	---	74.00	19.83	V	8.7
13525.600000	55.06	---	68.20	13.14	H	9.7
14494.600000	---	45.25	54.00	8.75	V	11.1
14494.600000	52.94	---	74.00	21.06	V	11.1
17972.800000	54.55	---	74.00	19.45	H	13.7
17972.800000	---	46.77	54.00	7.23	H	13.7

802.11ac40 Mode:**Channel: 5190MHz****Common Information**

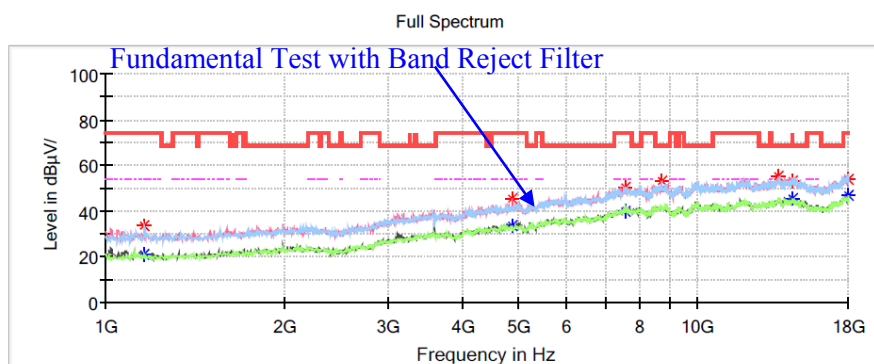
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11ac40 mode chain 0+1 Low Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9℃
Humidity: 44%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/4

**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	---	24.99	54.00	29.01	V	-14.5
1397.800000	33.51	---	74.00	40.49	V	-14.5
1992.800000	35.93	---	68.20	32.27	V	-11.7
3084.200000	39.13	---	68.20	29.07	V	-8.1
7670.800000	50.27	---	74.00	23.73	H	3.4
7670.800000	---	40.12	54.00	13.88	H	3.4
11859.600000	---	45.07	54.00	8.93	V	8.8
11859.600000	53.23	---	74.00	20.77	V	8.8
14484.400000	---	44.85	54.00	9.15	V	11.1
14484.400000	54.12	---	74.00	19.88	V	11.1
17996.600000	---	46.94	54.00	7.06	V	13.8
17996.600000	54.42	---	74.00	19.58	V	13.8

Channel: 5230MHz**Common Information**

Project No: RKSA260709001
 EUT Model: EC5350
 Test Mode: Transmitting in 802.11ac40 mode chain 0+1 High Channel
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 25.9°C
 Humidity: 44%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/8/4

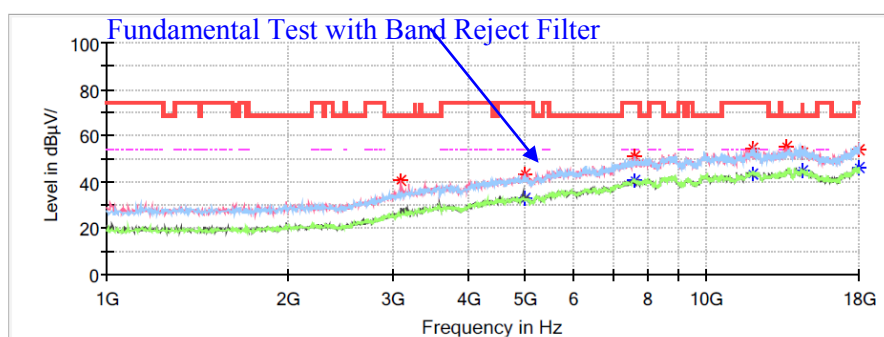
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1163.200000	---	20.74	54.00	33.26	H	-15.5
1163.200000	33.32	---	74.00	40.68	H	-15.5
4852.200000	---	33.87	54.00	20.13	V	-3.3
4852.200000	45.73	---	74.00	28.27	V	-3.3
7545.000000	---	39.73	54.00	14.27	V	3.3
7545.000000	50.39	---	74.00	23.61	V	3.3
8718.000000	53.04	---	68.20	15.16	H	4.8
13722.800000	55.16	---	68.20	13.04	V	10.1
14498.000000	52.99	---	74.00	21.01	V	11.1
14498.000000	---	45.23	54.00	8.77	V	11.1
17993.200000	54.12	---	74.00	19.88	V	13.8
17993.200000	---	46.87	54.00	7.13	V	13.8

802.11ac80 Mode:**Channel: 5210MHz****Common Information**

Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11ac80 mode chain 0+1
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9°C
Humidity: 44%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/4

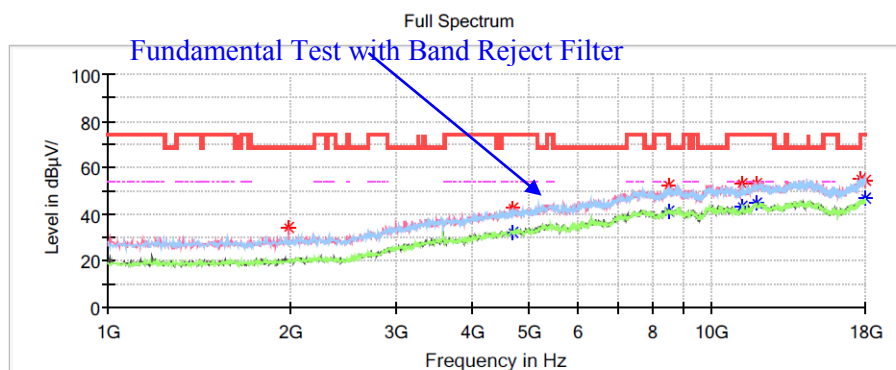
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Pol	Corr. (dB/m)
3087.600000	40.71	---	68.20	27.49	V	-8.0
4974.600000	---	32.77	54.00	21.23	V	-2.9
4974.600000	43.11	---	74.00	30.89	V	-2.9
7582.400000	---	40.55	54.00	13.45	V	3.3
7582.400000	50.71	---	74.00	23.29	V	3.3
11951.400000	---	43.49	54.00	10.51	V	8.9
11951.400000	54.27	---	74.00	19.73	V	8.9
13627.600000	55.05	---	68.20	13.15	V	9.9
14491.200000	52.58	---	74.00	21.42	V	11.1
14491.200000	---	44.95	54.00	9.05	V	11.1
17986.400000	---	46.47	54.00	7.53	H	13.7
17986.400000	53.93	---	74.00	20.07	H	13.7

1GHz-18GHz(5725-5850MHz Band):**Chain 0****802.11a Mode:****Low Channel: 5745MHz****Common Information**

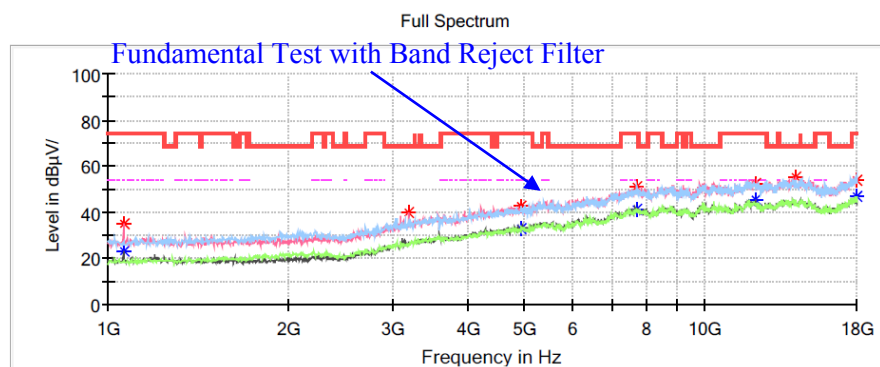
Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11a mode chain 0 Low Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	25.7℃
Humidity:	43%
Atmospheric Pressure:	101.1kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/8/5

**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)
1989.400000	34.08	---	68.20	34.12	V	-11.7
4685.600000	---	32.29	54.00	21.71	V	-3.8
4685.600000	42.82	---	74.00	31.18	V	-3.8
8497.000000	---	41.60	54.00	12.40	V	4.7
8497.000000	52.72	---	74.00	21.28	V	4.7
11240.800000	---	43.37	54.00	10.63	H	7.4
11240.800000	52.97	---	74.00	21.03	H	7.4
11863.000000	---	44.99	54.00	9.01	H	8.8
11863.000000	53.20	---	74.00	20.80	H	8.8
17649.800000	55.42	---	68.20	12.78	H	11.7
17996.600000	54.65	---	74.00	19.35	V	13.8
17996.600000	---	47.06	54.00	6.94	V	13.8

Middle Channel: 5785MHz**Common Information**

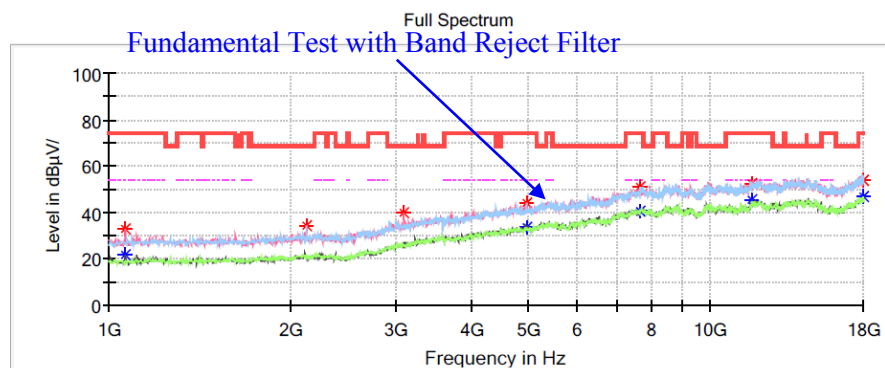
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11a mode chain 0 Middle Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.7°C
Humidity: 43%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/5

**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)
1061.200000	34.66	---	74.00	39.34	V	-15.9
1061.200000	---	23.08	54.00	30.92	V	-15.9
3196.400000	40.11	---	68.20	28.09	V	-7.6
4930.400000	---	32.75	54.00	21.25	V	-3.0
4930.400000	42.86	---	74.00	31.14	V	-3.0
7718.400000	---	41.20	54.00	12.80	V	3.4
7718.400000	50.76	---	74.00	23.24	V	3.4
12152.000000	52.66	---	74.00	21.34	V	8.9
12152.000000	---	45.50	54.00	8.50	V	8.9
14226.000000	54.92	---	68.20	13.28	V	10.8
17993.200000	---	46.78	54.00	7.22	V	13.8
17993.200000	54.13	---	74.00	19.87	V	13.8

High Channel: 5825MHz**Common Information**

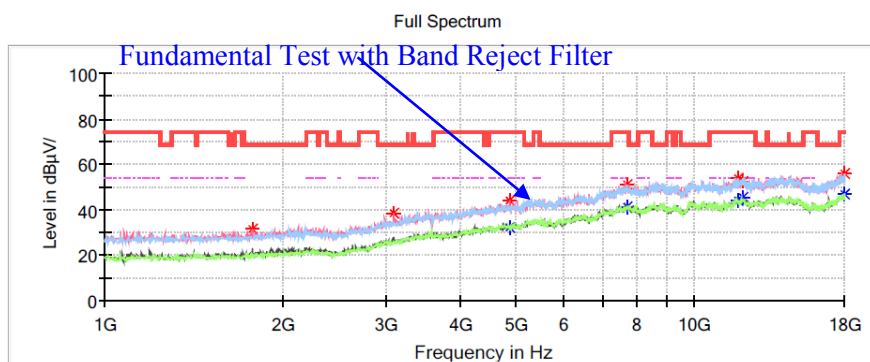
Project No: RKSA260709001
EUT Model: EC5350
Test Mode: Transmitting in 802.11a mode chain 0 High Channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.7°C
Humidity: 43%
Atmospheric Pressure: 101.1kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/8/5

**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)
1064.600000	---	21.64	54.00	32.36	V	-15.9
1064.600000	32.72	---	74.00	41.28	V	-15.9
2128.800000	34.13	---	68.20	34.07	H	-11.3
3091.000000	39.58	---	68.20	28.62	V	-8.0
4950.800000	---	33.45	54.00	20.55	V	-2.9
4950.800000	43.90	---	74.00	30.10	V	-2.9
7667.400000	---	40.61	54.00	13.39	H	3.4
7667.400000	51.34	---	74.00	22.66	H	3.4
11764.400000	52.59	---	74.00	21.41	V	8.6
11764.400000	---	45.52	54.00	8.48	V	8.6
17976.200000	54.07	---	74.00	19.93	V	13.7
17976.200000	---	46.67	54.00	7.33	V	13.7

Chain 1
802.11a Mode:**Low Channel: 5745MHz****Common Information**

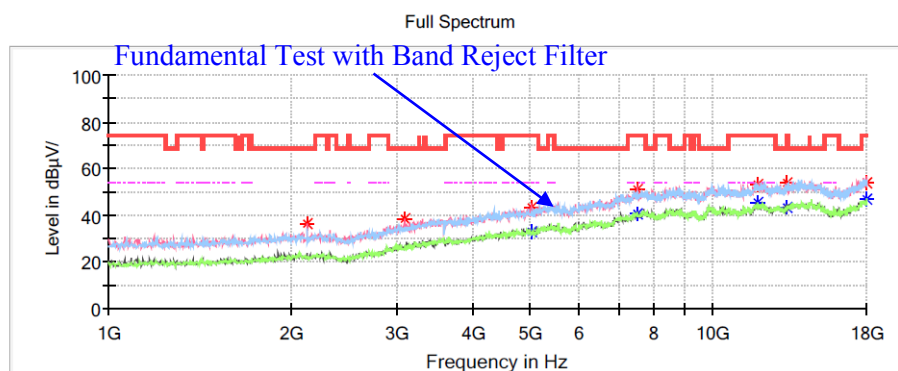
Project No:	RKSA260709001
EUT Model:	EC5350
Test Mode:	Transmitting in 802.11a mode chain 1 Low Channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESU40.3115, PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	25.7°C
Humidity:	43%
Atmospheric Pressure:	101.1kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/8/5

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
1778.600000	31.39	---	68.20	36.81	V	-12.7
3091.000000	38.71	---	68.20	29.49	V	-8.0
4855.600000	---	32.43	54.00	21.57	H	-3.3
4855.600000	44.28	---	74.00	29.72	H	-3.3
7681.000000	---	41.36	54.00	12.64	H	3.4
7681.000000	51.38	---	74.00	22.62	H	3.4
11859.600000	---	44.15	54.00	9.85	V	8.8
11859.600000	54.09	---	74.00	19.91	V	8.8
12077.200000	52.51	---	74.00	21.49	V	9.0
12077.200000	---	45.15	54.00	8.85	V	9.0
17996.600000	56.07	---	74.00	17.93	V	13.8
17996.600000	---	46.51	54.00	7.49	V	13.8

Middle Channel: 5785MHz**Common Information**

Project No: RKSA260709001
 EUT Model: EC5350
 Test Mode: Transmitting in 802.11a mode chain 1 Middle Channel
 Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 25.7°C
 Humidity: 43%
 Atmospheric Pressure: 101.1kPa
 Test Engineer: Destine Hu
 Check by: Bard Liu
 Test Date: 2026/8/5

**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)
2128.800000	36.63	---	68.20	31.57	V	-11.3
3091.000000	38.17	---	68.20	30.03	V	-8.0
5018.800000	---	32.86	54.00	21.14	V	-2.7
5018.800000	43.20	---	74.00	30.80	V	-2.7
7528.000000	---	40.38	54.00	13.62	V	3.3
7528.000000	50.84	---	74.00	23.16	V	3.3
11866.400000	53.47	---	74.00	20.53	H	8.8
11866.400000	---	45.39	54.00	8.61	H	8.8
13291.000000	---	43.55	54.00	10.45	V	9.3
13291.000000	54.17	---	74.00	19.83	V	9.3
17989.800000	---	46.78	54.00	7.22	H	13.8
17989.800000	54.13	---	74.00	19.87	H	13.8