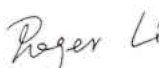


FCC AND ISCED CERTIFICATION TEST REPORT

Applicant:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Manufacturer:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Product Description:	IEEE 802.11b/g/n/a/ac/ax 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.2
Brand Name:	NA
Tested Model:	SKI.WB921AU.1
FCC ID:	2AR82-SKIWB921AU1
IC:	24728-SKIWB921AU1
Report No.:	JCF250705021-004
Received Date:	Jul. 05, 2025
Tested Date:	Jul. 05, 2025 ~ Aug. 29, 2025
Issued Date:	Aug. 29, 2025
Test Standards:	FCC Rules and Regulations Part 15 Subpart E, RSS-247 Issue 3 August 2023
Test Procedure:	ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 A2, Feb. 2021
Test Result:	Pass
Prepared By:  <u>Roger Li/Engineer</u> Date: Aug. 29, 2025	
Reviewed By:  <u>Kennys Zhang/Engineer</u> Date: Aug. 29, 2025	
Approved By:  <u>Talent Zhang/Engineer</u> Date: Aug. 29, 2025	

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Aug. 29, 2025	Original Report	/

Reference Report	Differences between the statement
FCC2021-0003-3(XG3)	Based on the original report "FCC2021-0003-3(XG3)" add new antenna and modify the power setting to decrease power.

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1. Test Report Declare

Applicant:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Manufacturer:	Guangzhou Shikun Electronics Co., Ltd
Address:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Product Name:	IEEE 802.11b/g/n/a/ac/ax 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.2
Brand Name:	NA
Model Name:	SKI.WB921AU.1
Difference Description:	NA

We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

2. Summary of test results

The EUT have been tested according to the applicable standards as referenced below.

Clause	Description of Test Item	Standard	Verdict
1	6/26dB Bandwidth	FCC 15.407 (a)&(e) RSS-247 Clause 6.2	NA
2	99% Occupied Bandwidth	RSS-Gen Clause 6.6	NA
3	Maximum Conducted Output Power	FCC 15.407 (a) RSS-247 Clause 6.2	Pass
4	Power Spectral Density	FCC 15.407 (a) RSS-247 Clause 6.2	Pass
5	Frequency Stability Measurement	FCC 15.407 (g)	NA
6	Radiated Band edge and Spurious Emission	FCC 15.407 (b) FCC 15.209 FCC 15.205 RSS-247 Clause 6.2 RSS-GEN Clause 8.9	Pass
7	Power Line Conducted Emission	FCC 15.207 RSS-GEN Clause 8.8	NA
8	Antenna requirement	FCC 15.203 RSS-GEN Clause 8.3	NA
9	Dynamic Frequency Selection	FCC 15.407 (h) RSS-247 Clause 6.3	Pass

Note: The original report has already been certified. Only add new antenna, So above test data should refer to the original report "FCC2021-0003-3(XG3)", only Radiated emission, Conducted Output Power and Power Spectral Density need be retest.

3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

4. Equipment Under Test

4.1. Description of EUT

EUT Name:	IEEE 802.11b/g/n/a/ac/ax 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.2
Model Number:	SKI.WB921AU.1
EUT Function Description:	Refer to user manual
Power Supply:	DC 3.3V
Sample No.:	250705021-01-01
Hardware Version:	NA
Software Version:	NA
Radio Specification:	IEEE 802.11a/n/ac/ax
Operation Frequency:	IEEE 802.11a: 5180MHz—5825MHz IEEE 802.11n HT20: 5180MHz—5825MHz IEEE 802.11n HT40: 5190MHz—5795MHz IEEE 802.11ac VHT20: 5180MHz—5825MHz IEEE 802.11ac VHT40: 5190MHz—5795MHz IEEE 802.11ac VHT80: 5210MHz—5775MHz IEEE 802.11ax HE20: 5180MHz—5825MHz IEEE 802.11ax HE40: 5190MHz—5795MHz IEEE 802.11ax HE80: 5210MHz—5775MHz
Modulation:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac (VHT20/40/80): OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax (HE20/40/80): OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Type:	FPC Antenna, MAX. Gain: 3.69 dBi

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

4.2. Channel List

UNII-1 (For Bandwidth = 20 MHz)		UNII-1 (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	/	/
48	5240	/	/
UNII-1 (For Bandwidth = 80 MHz)			
Channel		Frequency (MHz)	
42		5210	

UNII-2A (For Bandwidth = 20 MHz)		UNII-2A (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270

56	5280	62	5310
60	5300	/	/
64	5320	/	/
UNII-2A (For Bandwidth = 80 MHz)			
Channel		Frequency (MHz)	
58		5290	

UNII-2C (For Bandwidth = 20 MHz)		UNII-2C (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
108	5540	118	5590
112	5560	126	5630
116	5580	134	5670
120	5600	142	5710
124	5620	/	/
128	5640	/	/
132	5660	/	/
136	5680	/	/
140	5700	/	/
144	5720	/	/
UNII-2C (For Bandwidth = 80 MHz)			
Channel		Frequency (MHz)	
106		5530	
122		5610	
138		5690	

UNII-3 (For Bandwidth = 20 MHz)		UNII-3 (For Bandwidth = 40 MHz)	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	151	5755
153	5765	159	5795
157	5785	/	/
161	5805	/	/
165	5825	/	/
UNII-3 (For Bandwidth = 80 MHz)			
Channel		Frequency (MHz)	
155		5775	

4.3. Test Channel Configuration

Mode	Data rate (Mbps) (see Note)	Test Channel and Frequency
802.11a TX Mode	6	CH36, 5180
	6	CH44, 5220
	6	CH48, 5240
	6	CH52, 5260
	6	CH60, 5300
	6	CH64, 5320
	6	CH100, 5500
	6	CH116, 5580
	6	CH140, 5700
	6	CH149, 5745
	6	CH157, 5785
	6	CH165, 5825
802.11n HT20 TX Mode	MCS 8	CH36, 5180
	MCS 8	CH44, 5220
	MCS 8	CH48, 5240
	MCS 8	CH52, 5260
	MCS 8	CH60, 5300
	MCS 8	CH64, 5320
	MCS 8	CH100, 5500
	MCS 8	CH116, 5580
	MCS 8	CH140, 5700
	MCS 8	CH149, 5745
	MCS 8	CH157, 5785
	MCS 8	CH165, 5825
802.11n HT40 TX Mode	MCS 8	CH38, 5190
	MCS 8	CH46, 5230
	MCS 8	CH54, 5270
	MCS 8	CH62, 5310
	MCS 8	CH102, 5510
	MCS 8	CH110, 5550
	MCS 8	CH134, 5670
	MCS 8	CH151, 5755
	MCS 8	CH159, 5795
802.11ac VHT20 TX Mode	MCS 0	CH36, 5180
	MCS 0	CH44, 5220
	MCS 0	CH48, 5240
	MCS 0	CH52, 5260
	MCS 0	CH60, 5300

	MCS 0	CH64, 5320
	MCS 0	CH100, 5500
	MCS 0	CH116, 5580
	MCS 0	CH140, 5700
	MCS 0	CH149, 5745
	MCS 0	CH157, 5785
	MCS 0	CH165, 5825
802.11ac VHT40 TX Mode	MCS 0	CH38, 5190
	MCS 0	CH46, 5230
	MCS 0	CH54, 5270
	MCS 0	CH62, 5310
	MCS 0	CH102, 5510
	MCS 0	CH110, 5550
	MCS 0	CH134, 5670
	MCS 0	CH151, 5755
	MCS 0	CH159, 5795
802.11ac VHT80 TX Mode	MCS 0	CH42, 5210
	MCS 0	CH58, 5290
	MCS 0	CH106, 5530
	MCS 0	CH155, 5775
802.11ax HE20 TX Mode	MCS 0	CH36, 5180
	MCS 0	CH44, 5220
	MCS 0	CH48, 5240
	MCS 0	CH52, 5260
	MCS 0	CH60, 5300
	MCS 0	CH64, 5320
	MCS 0	CH100, 5500
	MCS 0	CH116, 5580
	MCS 0	CH140, 5700
	MCS 0	CH149, 5745
	MCS 0	CH157, 5785
	MCS 0	CH165, 5825
802.11ax HE40 TX Mode	MCS 0	CH38, 5190
	MCS 0	CH46, 5230
	MCS 0	CH54, 5270
	MCS 0	CH62, 5310
	MCS 0	CH102, 5510
	MCS 0	CH110, 5550
	MCS 0	CH134, 5670
	MCS 0	CH151, 5755
	MCS 0	CH159, 5795

802.11ax HE80 TX Mode	MCS 0	CH42, 5210
	MCS 0	CH58, 5290
	MCS 0	CH106, 5530
	MCS 0	CH155, 5775
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.		

4.4. Test Environment Conditions

During the measurement the environmental conditions were within the listed ranges:

	Normal Conditions	Extreme Conditions
Temperature range	21-25 °C	-10 °C to +70 °C
Humidity range	40-75%	N/A
Pressure range	86-106 kPa	N/A
Power supply	NV: DC 3.3V	N/A

Note: The Extreme temperature range and extreme voltages are declared by the manufacturer.

4.5. The Worse Case Power Setting Parameter

The Worse Case Power Setting Parameter			
Test Software	QATool_Dbg		
Mode	Channel	Soft set value	
		ANT0	ANT1
802.11a	36	12	12
	44	12	12
	48	12	12
	52	12	12
	60	12	12
	64	12	12
	100	12	12
	116	12	12
	140	12	12
	149	12	12
	157	12	12
	165	12	12
802.11n HT20	36	10	10
	44	10	10
	48	10	10
	52	10	10
	60	10	10
	64	10	10
	100	10	10
	116	10	10
	140	10	10
	149	10	10

	157	10	10
	165	10	10
802.11n HT40	38	10	10
	46	10	10
	54	10	10
	62	10	10
	102	10	10
	110	10	10
	134	10	10
	151	10	10
	159	10	10
802.11ac VHT20	36	10	10
	44	10	10
	48	10	10
	52	10	10
	60	10	10
	64	10	10
	100	10	10
	116	10	10
	140	10	10
	149	10	10
	157	10	10
	165	10	10
802.11ac VHT40	38	10	10
	46	10	10
	54	10	10
	62	10	10
	102	10	10
	110	10	10
	134	10	10
	151	10	10
	159	10	10
802.11ac VHT80	42	10	10
	58	10	10
	106	10	10
	155	10	10
802.11ax HE20	36	10	10
	44	10	10
	48	10	10
	52	10	10
	60	10	10

	64	10	10
	100	10	10
	116	10	10
	140	10	10
	149	10	10
	157	10	10
	165	10	10
802.11ax HE40	38	10	10
	46	10	10
	54	10	10
	62	10	10
	102	10	10
	110	10	10
	134	10	10
	151	10	10
	159	10	10
802.11ax HE80	42	10	10
	58	10	10
	106	10	10
	155	10	10

4.6. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
802.11a	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11n HT20	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11n HT40	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ac VHT20	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ac VHT40	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ac VHT80	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ax HE20	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ax HE40	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11ax HE80	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.

5. Description of Test Setup

5.1. Accessory

Description of Accessories	Manufacturer	Model Number	Description	Remark
/	/	/	/	/

5.2. Support Equipment

Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/

5.3. Test Setup

The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests



6. Measurement uncertainty

Test Item	Uncertainty
AC Power Conduction emission	1.37 dB
All Radiated emissions	5.4dB
Conducted emissions	3.09 dB
Occupied Channel Bandwidth	1.1%
Conducted Output power	0.82dB
Power Spectral Density	0.82dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k = 2.	

7. Measuring Instrument and Software Used

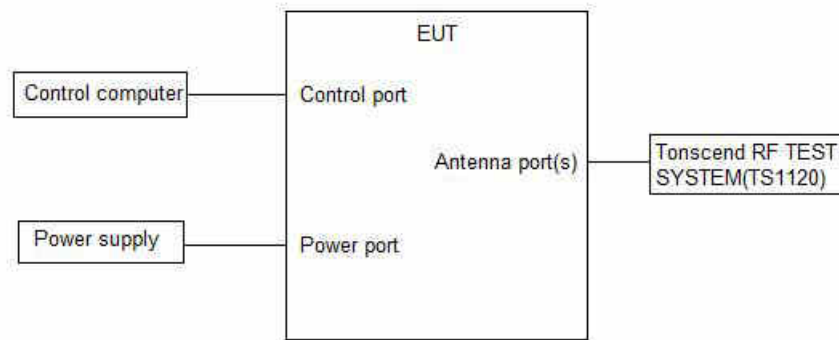
TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Spectrum Analyzer	Keysight	N9030B	MY56320512	Aug. 22, 2024	Aug. 21, 2025
☒	Spectrum Analyzer	Keysight	N9030B	MY56320512	Jul. 31, 2025	Jul. 30, 2026
☒	Vector Signal Generator	Keysight	N5182B	MY57300334	Aug. 22, 2024	Aug. 21, 2025
☒	Vector Signal Generator	Keysight	N5182B	MY57300334	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Generator	Keysight	N5171B	MY57280639	Aug. 22, 2024	Aug. 21, 2025
☒	Signal Generator	Keysight	N5171B	MY57280639	Jul. 31, 2025	Jul. 30, 2026
☒	DC POWER	Keysight	E342A	MY59020356	Aug. 29, 2024	Aug. 28, 2025
☒	DC POWER	Keysight	E342A	MY59020356	Jul. 31, 2025	Jul. 30, 2026
☒	Incubator thermometer	GWS	EL-02JA	21107288	Aug. 15, 2024	Aug. 14, 2025
☒	Incubator thermometer	GWS	EL-02JA	21107288	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	/	Aug. 23, 2024	Aug. 22, 2025
☒	Control unit(Power sensor)	Tonscend	JS0806-2	20L8060342	Jul. 31, 2025	Jul. 30, 2026
☒	Spectrum Analyzer	Keysight	N9020B	MY60112206	Sep. 11, 2024	Sep. 10, 2025
☒	Spectrum Analyzer	Keysight	N9020B	MY60112811	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	21H8060465	Aug. 22, 2024	Aug. 21, 2025
☒	Control unit(Power sensor)	Tonscend	JS0806-2	21H8060465	Aug. 01, 2025	Jul. 31, 2026
☒	Spectrum Analyzer	Keysight	N9020B	MY60112811	Aug. 23, 2024	Aug. 22, 2025
☒	Spectrum Analyzer	Keysight	N9020B	MY60112811	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Generator	Keysight	N5173B	MY62220145	Aug. 23, 2024	Aug. 22, 2025
☒	Signal Generator	Keysight	N5173B	MY62220145	Jul. 31, 2025	Jul. 30, 2026
☒	Vector Signal Generator	Keysight	N5182B	MY61252859	Aug. 22, 2024	Aug. 21, 2025
☒	Vector Signal Generator	Keysight	N5182B	MY61252859	Jul. 31, 2025	Jul. 30, 2026
☒	DC POWER	Keysight	E3642A	MY40005294	Aug. 30, 2024	Aug. 29, 2025
☒	DC POWER	Keysight	E3642A	MY40005294	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	24F80620865	Aug. 23, 2024	Aug. 22, 2025
☒	Control unit(Power sensor)	Tonscend	JS0806-2	24F80620865	Aug. 01, 2025	Jul. 31, 2026

Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	Tonscend	JS1120-3		V3.3.10	
RSE Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	EMI Receiver	R&S	ESR26	101424	Sep. 14, 2024	Sep. 13, 2025
☒	Hybrid Antenna	Schwarzbeck	VULB9163	01361	Sep. 25, 2024	Sep. 24, 2025
☒	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Sep. 11, 2024	Sep. 10, 2025
☒	Horn Antenna 2	ETS	BBHA 9170	1090	Sep. 11, 2024	Sep. 10, 2025
☒	loop-antenna	Schwarzbeck	FMZB 1513-60	00030	Jan. 12, 2025	Jan. 11, 2026
☒	Test path	/	Path3: WIFI-5.1G 1-6.5GHz	/	Aug. 23, 2024	Aug. 22, 2025
☒	Test path	/	Path3: WIFI-5.1G 1-6.5GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path4: WIFI-5.4G 1-6.5GHz	/	Aug. 23, 2024	Aug. 22, 2025
☒	Test path	/	Path4: WIFI-5.4G 1-6.5GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path5: WIFI-5.8G 1-6.5GHz	/	Aug. 23, 2024	Aug. 22, 2025
☒	Test path	/	Path5: WIFI-5.8G 1-6.5GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path7: ALL PASS 1-18GHz	/	Aug. 23, 2024	Aug. 22, 2025
☒	Test path	/	Path7: ALL PASS 1-18GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path10: 6.5GHz High PASS 6.5-18GHz	/	Aug. 23, 2024	Aug. 22, 2025
☒	Test path	/	Path10: 6.5GHz High PASS 6.5-18GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path16: 30MHz-1GHz ALL PASS NO AMP	/	Aug. 23, 2024	Aug. 22, 2025
☒	Test path	/	Path16: 30MHz-1GHz ALL PASS NO AMP	/	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Pre-Amplifier	ETS	3116C-PA	00217677	Sep. 06, 2024	Sep. 05, 2025
☒	3m Fully-anechoic Chamber	YIHENG	9m*6m*6m	001	Sep. 05, 2023	Sep. 04, 2026
Software						

Used	Description	Manufacturer	Name		Version	
☒	Test software	Tonscend	TS+		V5.0.0.0	
Conducted Emission Test For AC Power Port						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	LISN	R&S	ENV216	102509	Aug. 22, 2024	Aug. 21, 2025
☒	LISN	R&S	ENV216	102509	Aug. 01, 2025	Jul. 31, 2026
☒	EMI Receiver	R&S	ESR	102154	Aug. 22, 2024	Aug. 21, 2025
☒	LISN	R&S	ENV216	102509	Aug. 01, 2025	Jul. 31, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	EZ	EZ-EMC		EMEC-3A1	
Other Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Temperature & Humidity	Temperature	HTC-1	/	Sep. 04, 2024	Sep. 03, 2025

8. Maximum Output Power

8.1. Block Diagram of Test Setup



8.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	☐ Outdoor Access Point: 1 W (30 dBm)	5150-5250
	☐ Indoor Access Point: 1 W (30 dBm)	
	☐ Fixed Point-To-Point Access Points: 1 W (30 dBm)	
	☒ Client Devices: 250 mW (24 dBm)	
	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250-5350 5470-5725
	Shall not exceed 1 Watt (30 dBm).	5725-5850
Note: For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 6.7 dBi. The Output Power limit is the above limits-(6.7-6)		

ISED RSS-247 ISSUE 2		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power or e.i.r.p.	The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or 10 + 10 log10B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz.	5150-5250
	a. The maximum conducted output power shall not exceed 250 mW (24 dBm) or 11 + 10 log10B dBm, whichever is less.	5250-5350
	b. The maximum e.i.r.p. shall not exceed 1.0 W (30 dBm) or 17 + 10 log10B dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.	5250-5350 5470-5600 5650-5725
	Shall not exceed 1 Watt (30 dBm). The e.i.r.p. shall not exceed 4 W	5725-5850
Note: For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 6.7 dBi. The Output Power limit is the above limits-(6.7-6)		

Note: The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

8.3. Test Procedure

- (1) Connect each EUT's antenna output to power meter by RF cable and attenuator
- (2) Add each antenna port's results to get the total output power of EUT.

8.4. Test Result

Test Mode	Ant.	Freq. (MHz)	Result (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
11A	Ant1	5180	15.93	23.98	19.62	22.83	PASS
	Ant2	5180	13.53	23.98	17.22	22.76	PASS
	Ant1	5200	13.80	23.98	17.49	22.82	PASS
	Ant2	5200	13.29	23.98	16.98	22.83	PASS
	Ant1	5240	13.81	23.98	17.50	22.37	PASS
	Ant2	5240	13.52	23.98	17.21	22.35	PASS
	Ant1	5260	13.34	23.98	17.03	29.81	PASS
	Ant2	5260	12.90	23.98	16.59	29.84	PASS
	Ant1	5280	13.51	23.98	17.20	29.80	PASS
	Ant2	5280	13.10	23.98	16.79	29.76	PASS
	Ant1	5320	14.03	23.98	17.72	29.82	PASS
	Ant2	5320	13.91	23.98	17.60	29.89	PASS
	Ant1	5500	15.32	23.98	19.01	29.84	PASS
	Ant2	5500	14.74	23.98	18.43	29.81	PASS
	Ant1	5580	14.79	23.98	18.48	29.83	PASS
	Ant2	5580	14.55	23.98	18.24	29.75	PASS
	Ant1	5700	14.19	23.98	17.88	29.81	PASS
	Ant2	5700	14.06	23.98	17.75	29.85	PASS
	Ant1	5745	13.88	30	17.57	---	PASS
	Ant2	5745	13.80	30	17.49	---	PASS
	Ant1	5785	13.00	30	16.69	---	PASS
	Ant2	5785	13.75	30	17.44	---	PASS
	Ant1	5825	13.19	30	16.88	---	PASS
	Ant2	5825	13.84	30	17.53	---	PASS
11N20MIMO	Ant1	5180	11.79	23.98	15.48	22.99	PASS
	Ant2	5180	11.41	23.98	15.10	22.71	PASS
	total	5180	14.61	23.28	18.30	22.71	PASS
	Ant1	5200	11.73	23.98	15.42	22.99	PASS
	Ant2	5200	11.23	23.98	14.92	22.73	PASS
	total	5200	14.50	23.28	18.19	22.73	PASS
	Ant1	5240	11.70	23.98	15.39	22.62	PASS
	Ant2	5240	11.46	23.98	15.15	22.53	PASS
	total	5240	14.59	23.28	18.28	22.53	PASS
	Ant1	5260	11.79	23.98	15.48	30	PASS
	Ant2	5260	11.45	23.98	15.14	30	PASS
	total	5260	14.63	23.28	18.32	30	PASS
	Ant1	5280	11.83	23.98	15.52	30	PASS
	Ant2	5280	11.46	23.98	15.15	30	PASS
	total	5280	14.66	23.28	18.35	30	PASS
	Ant1	5320	12.03	23.98	15.72	30	PASS
	Ant2	5320	11.91	23.98	15.60	29.86	PASS
	total	5320	14.98	23.28	18.67	29.86	PASS
	Ant1	5500	13.17	23.98	16.86	30	PASS
	Ant2	5500	12.65	23.98	16.34	29.85	PASS
	total	5500	15.93	23.28	19.62	29.85	PASS
	Ant1	5580	12.57	23.98	16.26	30	PASS
	Ant2	5580	12.67	23.98	16.36	29.86	PASS
	total	5580	15.63	23.28	19.32	29.86	PASS
	Ant1	5700	12.17	23.98	15.86	30	PASS
	Ant2	5700	12.15	23.98	15.84	29.76	PASS
	total	5700	15.17	23.28	18.86	29.76	PASS

	Ant1	5745	12.10	30	15.79	---	PASS
	Ant2	5745	11.97	30	15.66	---	PASS
	total	5745	15.05	29.3	18.74	---	PASS
	Ant1	5785	11.68	30	15.37	---	PASS
	Ant2	5785	11.70	30	15.39	---	PASS
	total	5785	14.70	29.3	18.39	---	PASS
	Ant1	5825	11.71	30	15.40	---	PASS
	Ant2	5825	11.50	30	15.19	---	PASS
	total	5825	14.62	29.3	18.31	---	PASS
11N40MIMO	Ant1	5190	11.75	23.98	15.44	23	PASS
	Ant2	5190	11.81	23.98	15.50	23	PASS
	total	5190	14.79	23.28	18.48	23	PASS
	Ant1	5230	11.45	23.98	15.14	23	PASS
	Ant2	5230	11.79	23.98	15.48	23	PASS
	total	5230	14.63	23.28	18.32	23	PASS
	Ant1	5270	11.64	23.98	15.33	30	PASS
	Ant2	5270	11.93	23.98	15.62	30	PASS
	total	5270	14.80	23.28	18.49	30	PASS
	Ant1	5310	11.90	23.98	15.59	30	PASS
	Ant2	5310	12.28	23.98	15.97	30	PASS
	total	5310	15.10	23.28	18.79	30	PASS
	Ant1	5510	12.82	23.98	16.51	30	PASS
	Ant2	5510	12.73	23.98	16.42	30	PASS
	total	5510	15.79	23.28	19.48	30	PASS
	Ant1	5550	12.92	23.98	16.61	30	PASS
	Ant2	5550	12.58	23.98	16.27	30	PASS
	total	5550	15.76	23.28	19.45	30	PASS
	Ant1	5670	11.99	23.98	15.68	30	PASS
	Ant2	5670	12.49	23.98	16.18	30	PASS
	total	5670	15.26	23.28	18.95	30	PASS
	Ant1	5755	12.09	30	15.78	---	PASS
	Ant2	5755	12.49	30	16.18	---	PASS
	total	5755	15.30	29.3	18.99	---	PASS
	Ant1	5795	11.61	30	15.30	---	PASS
	Ant2	5795	11.99	30	15.68	---	PASS
	total	5795	14.81	29.3	18.50	---	PASS
11AC20MIMO	Ant1	5180	11.75	23.98	15.44	23.00	PASS
	Ant2	5180	11.36	23.98	15.05	22.70	PASS
	total	5180	14.57	23.28	18.26	22.70	PASS
	Ant1	5200	11.67	23.98	15.36	22.98	PASS
	Ant2	5200	11.24	23.98	14.93	22.74	PASS
	total	5200	14.47	23.28	18.16	22.74	PASS
	Ant1	5240	11.62	23.98	15.31	22.59	PASS
	Ant2	5240	11.40	23.98	15.09	22.50	PASS
	total	5240	14.52	23.28	18.21	22.50	PASS
	Ant1	5260	11.84	23.98	15.53	30	PASS
	Ant2	5260	11.46	23.98	15.15	30	PASS
	total	5260	14.66	23.28	18.35	30	PASS
	Ant1	5280	11.85	23.98	15.54	30.00	PASS
	Ant2	5280	11.37	23.98	15.06	30	PASS
	total	5280	14.63	23.28	18.32	30	PASS
	Ant1	5320	11.94	23.98	15.63	30	PASS
	Ant2	5320	12.10	23.98	15.79	29.86	PASS
	total	5320	15.03	23.28	18.72	29.86	PASS
	Ant1	5500	13.45	23.98	17.14	30	PASS
	Ant2	5500	12.56	23.98	16.25	29.86	PASS
	total	5500	16.04	23.28	19.73	29.86	PASS
	Ant1	5580	12.62	23.98	16.31	29.99	PASS
	Ant2	5580	12.68	23.98	16.37	29.86	PASS
	total	5580	15.66	23.28	19.35	29.86	PASS

	Ant1	5700	12.19	23.98	15.88	29.98	PASS
	Ant2	5700	12.12	23.98	15.81	29.76	PASS
	total	5700	15.17	23.28	18.86	29.76	PASS
	Ant1	5745	12.37	30	16.06	---	PASS
	Ant2	5745	12.23	30	15.92	---	PASS
	total	5745	15.31	29.3	19.00	---	PASS
	Ant1	5785	11.86	30	15.55	---	PASS
	Ant2	5785	11.89	30	15.58	---	PASS
	total	5785	14.89	29.3	18.58	---	PASS
	Ant1	5825	11.72	30	15.41	---	PASS
	Ant2	5825	11.51	30	15.20	---	PASS
	total	5825	14.63	29.3	18.32	---	PASS
11AC40MIMO	Ant1	5190	11.64	23.98	15.33	23	PASS
	Ant2	5190	11.74	23.98	15.43	23	PASS
	total	5190	14.70	23.28	18.39	23	PASS
	Ant1	5230	11.44	23.98	15.13	23	PASS
	Ant2	5230	11.69	23.98	15.38	23	PASS
	total	5230	14.58	23.28	18.27	23	PASS
	Ant1	5270	11.55	23.98	15.24	30	PASS
	Ant2	5270	11.83	23.98	15.52	30	PASS
	total	5270	14.70	23.28	18.39	30	PASS
	Ant1	5310	11.72	23.98	15.41	30	PASS
	Ant2	5310	12.05	23.98	15.74	30	PASS
	total	5310	14.90	23.28	18.59	30	PASS
	Ant1	5510	12.89	23.98	16.58	30	PASS
	Ant2	5510	12.78	23.98	16.47	30	PASS
	total	5510	15.85	23.28	19.54	30	PASS
	Ant1	5550	12.87	23.98	16.56	30	PASS
	Ant2	5550	12.55	23.98	16.24	30	PASS
	total	5550	15.72	23.28	19.41	30	PASS
	Ant1	5670	11.93	23.98	15.62	30	PASS
	Ant2	5670	12.30	23.98	15.99	30	PASS
	total	5670	15.13	23.28	18.82	30	PASS
	Ant1	5755	11.96	30	15.65	---	PASS
	Ant2	5755	12.35	30	16.04	---	PASS
	total	5755	15.17	29.3	18.86	---	PASS
	Ant1	5795	11.63	30	15.32	---	PASS
	Ant2	5795	12.12	30	15.81	---	PASS
	total	5795	14.89	29.3	18.58	---	PASS
11AC80MIMO	Ant1	5210	11.48	23.98	15.17	23	PASS
	Ant2	5210	11.43	23.98	15.12	23	PASS
	total	5210	14.47	23.28	18.16	23	PASS
	Ant1	5290	11.60	23.98	15.29	30	PASS
	Ant2	5290	11.65	23.98	15.34	30	PASS
	total	5290	14.64	23.28	18.33	30	PASS
	Ant1	5530	13.19	23.98	16.88	30	PASS
	Ant2	5530	13.05	23.98	16.74	30	PASS
	total	5530	16.13	23.28	19.82	30	PASS
	Ant1	5775	12.02	30	15.71	---	PASS
	Ant2	5775	11.91	30	15.60	---	PASS
	total	5775	14.98	29.3	18.67	---	PASS
11AX20MIMO	Ant1	5180	11.96	23.98	15.65	22.96	PASS
	Ant2	5180	11.69	23.98	15.38	22.90	PASS
	total	5180	14.84	23.28	18.53	22.90	PASS
	Ant1	5200	11.77	23.98	15.46	22.95	PASS
	Ant2	5200	11.53	23.98	15.22	22.95	PASS
	total	5200	14.66	23.28	18.35	22.95	PASS
	Ant1	5240	11.91	23.98	15.60	22.77	PASS
	Ant2	5240	11.54	23.98	15.23	22.76	PASS
	total	5240	14.74	23.28	18.43	22.76	PASS

	Ant1	5260	11.97	23.98	15.66	29.94	PASS
	Ant2	5260	11.62	23.98	15.31	30.00	PASS
	total	5260	14.81	23.28	18.50	30.00	PASS
	Ant1	5280	12.00	23.98	15.69	29.98	PASS
	Ant2	5280	11.57	23.98	15.26	30	PASS
	total	5280	14.80	23.28	18.49	30	PASS
	Ant1	5320	12.08	23.98	15.77	29.94	PASS
	Ant2	5320	12.12	23.98	15.81	29.97	PASS
	total	5320	15.11	23.28	18.80	29.97	PASS
	Ant1	5500	13.41	23.98	17.10	29.95	PASS
	Ant2	5500	12.69	23.98	16.38	29.97	PASS
	total	5500	16.08	23.28	19.77	29.97	PASS
	Ant1	5580	12.77	23.98	16.46	29.96	PASS
	Ant2	5580	12.88	23.98	16.57	30	PASS
	total	5580	15.84	23.28	19.53	30	PASS
	Ant1	5700	12.35	23.98	16.04	29.94	PASS
	Ant2	5700	12.25	23.98	15.94	29.94	PASS
	total	5700	15.31	23.28	19.00	29.94	PASS
	Ant1	5745	12.22	30	15.91	---	PASS
	Ant2	5745	12.20	30	15.89	---	PASS
	total	5745	15.22	29.3	18.91	---	PASS
	Ant1	5785	11.74	30	15.43	---	PASS
	Ant2	5785	11.81	30	15.50	---	PASS
	total	5785	14.79	29.3	18.48	---	PASS
	Ant1	5825	12.03	30	15.72	---	PASS
	Ant2	5825	11.75	30	15.44	---	PASS
	total	5825	14.90	29.3	18.59	---	PASS
11AX40MIMO	Ant1	5190	11.86	23.98	15.55	23	PASS
	Ant2	5190	11.94	23.98	15.63	23	PASS
	total	5190	14.91	23.28	18.60	23	PASS
	Ant1	5230	11.67	23.98	15.36	23	PASS
	Ant2	5230	11.91	23.98	15.60	23	PASS
	total	5230	14.80	23.28	18.49	23	PASS
	Ant1	5270	11.73	23.98	15.42	30	PASS
	Ant2	5270	12.06	23.98	15.75	30	PASS
	total	5270	14.91	23.28	18.60	30	PASS
	Ant1	5310	11.82	23.98	15.51	30	PASS
	Ant2	5310	12.23	23.98	15.92	30	PASS
	total	5310	15.04	23.28	18.73	30	PASS
	Ant1	5510	13.02	23.98	16.71	30	PASS
	Ant2	5510	13.13	23.98	16.82	30	PASS
	total	5510	16.09	23.28	19.78	30	PASS
	Ant1	5550	13.06	23.98	16.75	30	PASS
	Ant2	5550	12.81	23.98	16.50	30	PASS
	total	5550	15.95	23.28	19.64	30	PASS
	Ant1	5670	12.22	23.98	15.91	30	PASS
	Ant2	5670	12.59	23.98	16.28	30	PASS
	total	5670	15.42	23.28	19.11	30	PASS
	Ant1	5755	12.24	30	15.93	---	PASS
	Ant2	5755	12.61	30	16.30	---	PASS
	total	5755	15.44	29.3	19.13	---	PASS
	Ant1	5795	11.90	30	15.59	---	PASS
	Ant2	5795	12.48	30	16.17	---	PASS
	total	5795	15.21	29.3	18.90	---	PASS
11AX80MIMO	Ant1	5210	11.78	23.98	15.47	23	PASS
	Ant2	5210	11.78	23.98	15.47	23	PASS
	total	5210	14.79	23.28	18.48	23	PASS
	Ant1	5290	11.94	23.98	15.63	30	PASS
	Ant2	5290	11.89	23.98	15.58	30	PASS
	total	5290	14.93	23.28	18.62	30	PASS

	Ant1	5530	13.45	23.98	17.14	30	PASS
	Ant2	5530	13.24	23.98	16.93	30	PASS
	total	5530	16.36	23.28	20.05	30	PASS
	Ant1	5775	12.18	30	15.87	---	PASS
	Ant2	5775	12.33	30	16.02	---	PASS
	total	5775	15.27	29.3	18.96	---	PASS

9. Power Spectral Density

9.1. Block Diagram of Test Setup

Same as section 8.1

9.2. Limits

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☒ Client Devices: 11 dBm/MHz	5150-5250
	11 dBm/MHz	5250-5350 5470-5725
	30 dBm/500 kHz	5725-5850
Note: For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 6.7 dBi. The Output Power limit is the above limits-(6.7-6)		

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Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.	5150-5250
	The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.	5250-5350 5470-5600 5650-5725
	30 dBm/500 kHz	5725-5850
Note: For 802.11n and 802.11ac, the EUT incorporates a MIMO function. The Antenna directional gain is 6.7 dBi. The Output Power limit is the above limits-(6.7-6)		

Note: The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

9.3. Test Procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyzer and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
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Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

Note:

1. For UNII-3, according to KdB publication 789033 D02 General U-NII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 1 MHz and VBW at 3 MHz if the spectrum analyzer does not have 500 kHz RBW.

2. The value measured with RBW=300kHz is to be added with $10\log(500\text{kHz}/300\text{kHz})$ which is 2.2dB. For example, if the measured value is +30 dBm using RBW=300kHz (that is +30 dBm/300kHz), then the converted value will be +32.2 dBm/1MHz.

3. Allow trace to fully stabilize and use the peak marker function to determine the maximum amplitude level within the RBW.

9.4. Test Result

Test Mode	Ant.	Freq. (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)	EIRP PSD Result (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Verdict
11A	Ant1	5180	5.32	≤ 11.00	9.01	≤ 10.00	PASS
	Ant2	5180	3.15	≤ 11.00	6.84	≤ 10.00	PASS
	Ant1	5200	3.54	≤ 11.00	7.23	≤ 10.00	PASS
	Ant2	5200	3.13	≤ 11.00	6.82	≤ 10.00	PASS
	Ant1	5240	3.85	≤ 11.00	7.54	≤ 10.00	PASS
	Ant2	5240	3.84	≤ 11.00	7.53	≤ 10.00	PASS
	Ant1	5260	3.11	≤ 11.00	6.8	---	PASS
	Ant2	5260	2.53	≤ 11.00	6.22	---	PASS
	Ant1	5280	3.01	≤ 11.00	6.7	---	PASS
	Ant2	5280	2.71	≤ 11.00	6.4	---	PASS
	Ant1	5320	3.85	≤ 11.00	7.54	---	PASS
	Ant2	5320	3.48	≤ 11.00	7.17	---	PASS
	Ant1	5500	4.70	≤ 11.00	8.39	---	PASS
	Ant2	5500	4.56	≤ 11.00	8.25	---	PASS
	Ant1	5580	4.49	≤ 11.00	8.18	---	PASS
	Ant2	5580	4.23	≤ 11.00	7.92	---	PASS
	Ant1	5700	3.85	≤ 11.00	7.54	---	PASS
	Ant2	5700	3.53	≤ 11.00	7.22	---	PASS
11N20MIMO	Ant1	5180	1.04	≤ 10.30	4.73	≤ 9.30	PASS
	Ant2	5180	0.77	≤ 10.30	4.46	≤ 9.30	PASS
	total	5180	3.92	≤ 10.30	7.61	≤ 9.30	PASS
	Ant1	5200	0.85	≤ 10.30	4.54	≤ 9.30	PASS
	Ant2	5200	0.56	≤ 10.30	4.25	≤ 9.30	PASS
	total	5200	3.72	≤ 10.30	7.41	≤ 9.30	PASS
	Ant1	5240	1.27	≤ 10.30	4.96	≤ 9.30	PASS
	Ant2	5240	1.25	≤ 10.30	4.94	≤ 9.30	PASS
	total	5240	4.27	≤ 10.30	7.96	≤ 9.30	PASS
	Ant1	5260	1.53	≤ 10.30	5.22	---	PASS
	Ant2	5260	0.67	≤ 10.30	4.36	---	PASS
	total	5260	4.13	≤ 10.30	7.82	---	PASS
	Ant1	5280	0.99	≤ 10.30	4.68	---	PASS
	Ant2	5280	1.11	≤ 10.30	4.8	---	PASS
	total	5280	4.06	≤ 10.30	7.75	---	PASS
	Ant1	5320	1.33	≤ 10.30	5.02	---	PASS
	Ant2	5320	1.49	≤ 10.30	5.18	---	PASS
	total	5320	4.42	≤ 10.30	8.11	---	PASS
	Ant1	5500	2.37	≤ 10.30	6.06	---	PASS

	Ant2	5500	2.34	≤10.30	6.03	---	PASS
	total	5500	5.37	≤10.30	9.06	---	PASS
	Ant1	5580	2.37	≤10.30	6.06	---	PASS
	Ant2	5580	2.40	≤10.30	6.09	---	PASS
	total	5580	5.40	≤10.30	9.09	---	PASS
	Ant1	5700	1.25	≤10.30	4.94	---	PASS
	Ant2	5700	1.51	≤10.30	5.2	---	PASS
	total	5700	4.39	≤10.30	8.08	---	PASS
11N40MIMO	Ant1	5190	-0.50	≤10.30	3.19	≤9.30	PASS
	Ant2	5190	-0.98	≤10.30	2.71	≤9.30	PASS
	total	5190	2.28	≤10.30	5.97	≤9.30	PASS
	Ant1	5230	-0.73	≤10.30	2.96	≤9.30	PASS
	Ant2	5230	-0.50	≤10.30	3.19	≤9.30	PASS
	total	5230	2.40	≤10.30	6.09	≤9.30	PASS
	Ant1	5270	-1.22	≤10.30	2.47	---	PASS
	Ant2	5270	-0.18	≤10.30	3.51	---	PASS
	total	5270	2.34	≤10.30	6.03	---	PASS
	Ant1	5310	-0.45	≤10.30	3.24	---	PASS
	Ant2	5310	-0.05	≤10.30	3.64	---	PASS
	total	5310	2.76	≤10.30	6.45	---	PASS
	Ant1	5510	0.50	≤10.30	4.19	---	PASS
	Ant2	5510	-0.54	≤10.30	3.15	---	PASS
	total	5510	3.02	≤10.30	6.71	---	PASS
	Ant1	5550	0.41	≤10.30	4.1	---	PASS
	Ant2	5550	0.60	≤10.30	4.29	---	PASS
	total	5550	3.52	≤10.30	7.21	---	PASS
	Ant1	5670	-0.23	≤10.30	3.46	---	PASS
	Ant2	5670	-0.05	≤10.30	3.64	---	PASS
	total	5670	2.87	≤10.30	6.56	---	PASS
11AC20MIMO	Ant1	5180	1.33	≤10.30	5.02	≤9.30	PASS
	Ant2	5180	1.20	≤10.30	4.89	≤9.30	PASS
	total	5180	4.28	≤10.30	7.97	≤9.30	PASS
	Ant1	5200	2.15	≤10.30	5.84	≤9.30	PASS
	Ant2	5200	1.42	≤10.30	5.11	≤9.30	PASS
	total	5200	4.81	≤10.30	8.5	≤9.30	PASS
	Ant1	5240	1.49	≤10.30	5.18	≤9.30	PASS
	Ant2	5240	1.33	≤10.30	5.02	≤9.30	PASS
	total	5240	4.42	≤10.30	8.11	≤9.30	PASS
	Ant1	5260	1.62	≤10.30	5.31	---	PASS
	Ant2	5260	1.80	≤10.30	5.49	---	PASS
	total	5260	4.72	≤10.30	8.41	---	PASS
	Ant1	5280	1.44	≤10.30	5.13	---	PASS
	Ant2	5280	1.24	≤10.30	4.93	---	PASS
	total	5280	4.35	≤10.30	8.04	---	PASS
	Ant1	5320	1.22	≤10.30	4.91	---	PASS
	Ant2	5320	1.65	≤10.30	5.34	---	PASS
	total	5320	4.45	≤10.30	8.14	---	PASS
	Ant1	5500	2.93	≤10.30	6.62	---	PASS
	Ant2	5500	2.16	≤10.30	5.85	---	PASS
	total	5500	5.57	≤10.30	9.26	---	PASS
	Ant1	5580	2.16	≤10.30	5.85	---	PASS
	Ant2	5580	2.98	≤10.30	6.67	---	PASS
	total	5580	5.60	≤10.30	9.29	---	PASS
	Ant1	5700	2.25	≤10.30	5.94	---	PASS
	Ant2	5700	2.33	≤10.30	6.02	---	PASS
	total	5700	5.30	≤10.30	8.99	---	PASS
11AC40MIMO	Ant1	5190	-0.91	≤10.30	2.78	≤9.30	PASS
	Ant2	5190	-1.38	≤10.30	2.31	≤9.30	PASS
	total	5190	1.87	≤10.30	5.56	≤9.30	PASS
	Ant1	5230	-0.39	≤10.30	3.3	≤9.30	PASS

	Ant2	5230	1.06	≤10.30	4.75	≤9.30	PASS
	total	5230	3.41	≤10.30	7.1	≤9.30	PASS
	Ant1	5270	-1.35	≤10.30	2.34	---	PASS
	Ant2	5270	0.13	≤10.30	3.82	---	PASS
	total	5270	2.46	≤10.30	6.15	---	PASS
	Ant1	5310	-0.02	≤10.30	3.67	---	PASS
	Ant2	5310	-0.30	≤10.30	3.39	---	PASS
	total	5310	2.85	≤10.30	6.54	---	PASS
	Ant1	5510	0.57	≤10.30	4.26	---	PASS
	Ant2	5510	-0.07	≤10.30	3.62	---	PASS
	total	5510	3.27	≤10.30	6.96	---	PASS
	Ant1	5550	1.06	≤10.30	4.75	---	PASS
	Ant2	5550	1.36	≤10.30	5.05	---	PASS
	total	5550	4.22	≤10.30	7.91	---	PASS
	Ant1	5670	0.39	≤10.30	4.08	---	PASS
	Ant2	5670	0.45	≤10.30	4.14	---	PASS
	total	5670	3.43	≤10.30	7.12	---	PASS
11AC80MIMO	Ant1	5210	-3.38	≤10.30	0.31	≤9.30	PASS
	Ant2	5210	-2.83	≤10.30	0.86	≤9.30	PASS
	total	5210	-0.09	≤10.30	3.6	≤9.30	PASS
	Ant1	5290	-2.49	≤10.30	1.2		PASS
	Ant2	5290	-2.72	≤10.30	0.97		PASS
	total	5290	0.41	≤10.30	4.1		PASS
	Ant1	5530	-1.13	≤10.30	2.56		PASS
	Ant2	5530	-1.81	≤10.30	1.88		PASS
	total	5530	1.55	≤10.30	5.24		PASS
11AX20MIMO	Ant1	5180	2.33	≤10.30	6.02	≤9.30	PASS
	Ant2	5180	2.34	≤10.30	6.03	≤9.30	PASS
	total	5180	5.35	≤10.30	9.04	≤9.30	PASS
	Ant1	5200	1.55	≤10.30	5.24	≤9.30	PASS
	Ant2	5200	1.61	≤10.30	5.3	≤9.30	PASS
	total	5200	4.59	≤10.30	8.28	≤9.30	PASS
	Ant1	5240	2.20	≤10.30	5.89	≤9.30	PASS
	Ant2	5240	2.36	≤10.30	6.05	≤9.30	PASS
	total	5240	5.29	≤10.30	8.98	≤9.30	PASS
	Ant1	5260	1.75	≤10.30	5.44	---	PASS
	Ant2	5260	2.11	≤10.30	5.8	---	PASS
	total	5260	4.94	≤10.30	8.63	---	PASS
	Ant1	5280	1.63	≤10.30	5.32	---	PASS
	Ant2	5280	1.36	≤10.30	5.05	---	PASS
	total	5280	4.51	≤10.30	8.2	---	PASS
	Ant1	5320	2.12	≤10.30	5.81	---	PASS
	Ant2	5320	2.90	≤10.30	6.59	---	PASS
	total	5320	5.54	≤10.30	9.23	---	PASS
	Ant1	5500	3.56	≤10.30	7.25	---	PASS
	Ant2	5500	3.83	≤10.30	7.52	---	PASS
	total	5500	6.71	≤10.30	10.4	---	PASS
	Ant1	5580	2.50	≤10.30	6.19	---	PASS
	Ant2	5580	4.15	≤10.30	7.84	---	PASS
	total	5580	6.41	≤10.30	10.1	---	PASS
	Ant1	5700	3.14	≤10.30	6.83	---	PASS
	Ant2	5700	2.51	≤10.30	6.2	---	PASS
	total	5700	5.85	≤10.30	9.54	---	PASS
11AX40MIMO	Ant1	5190	-0.41	≤10.30	3.28	≤9.30	PASS
	Ant2	5190	-0.31	≤10.30	3.38	≤9.30	PASS
	total	5190	2.65	≤10.30	6.34	≤9.30	PASS
	Ant1	5230	-0.60	≤10.30	3.09	≤9.30	PASS
	Ant2	5230	1.13	≤10.30	4.82	≤9.30	PASS
	total	5230	3.36	≤10.30	7.05	≤9.30	PASS
	Ant1	5270	0.35	≤10.30	4.04	---	PASS

	Ant2	5270	0.57	≤10.30	4.26	---	PASS
	total	5270	3.47	≤10.30	7.16	---	PASS
	Ant1	5310	0.75	≤10.30	4.44	---	PASS
	Ant2	5310	-1.01	≤10.30	2.68	---	PASS
	total	5310	2.97	≤10.30	6.66	---	PASS
	Ant1	5510	0.86	≤10.30	4.55	---	PASS
	Ant2	5510	1.04	≤10.30	4.73	---	PASS
	total	5510	3.96	≤10.30	7.65	---	PASS
	Ant1	5550	0.86	≤10.30	4.55	---	PASS
	Ant2	5550	0.39	≤10.30	4.08	---	PASS
	total	5550	3.64	≤10.30	7.33	---	PASS
	Ant1	5670	-0.08	≤10.30	3.61	---	PASS
	Ant2	5670	-0.11	≤10.30	3.58	---	PASS
	total	5670	2.92	≤10.30	6.61	---	PASS
11AX80MIMO	Ant1	5210	-3.48	≤10.30	0.21	≤9.30	PASS
	Ant2	5210	-2.94	≤10.30	0.75	≤9.30	PASS
	total	5210	-0.19	≤10.30	3.5	≤9.30	PASS
	Ant1	5290	-3.37	≤10.30	0.32	---	PASS
	Ant2	5290	-1.68	≤10.30	2.01	---	PASS
	total	5290	0.57	≤10.30	4.26	---	PASS
	Ant1	5530	-1.66	≤10.30	2.03	---	PASS
	Ant2	5530	-1.71	≤10.30	1.98	---	PASS
	total	5530	1.33	≤10.30	5.02	---	PASS

Test Mode	Ant.	Freq. (MHz)	Result (dBm/300kHz)	Factor (dB)	Result (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11A	Ant1	5745	-1.71	2.2	0.49	≤30.00	PASS
	Ant2	5745	-0.99	2.2	1.21	≤30.00	PASS
	Ant1	5785	-2.07	2.2	0.13	≤30.00	PASS
	Ant2	5785	-1.48	2.2	0.72	≤30.00	PASS
	Ant1	5825	-2.06	2.2	0.14	≤30.00	PASS
	Ant2	5825	-1.56	2.2	0.64	≤30.00	PASS
11N20MIMO	Ant1	5745	-3.26	2.2	-1.06	≤29.30	PASS
	Ant2	5745	-3.38	2.2	-1.18	≤29.30	PASS
	total	5745	-0.31	2.2	1.89	≤29.30	PASS
	Ant1	5785	-3.72	2.2	-1.52	≤29.30	PASS
	Ant2	5785	-4	2.2	-1.80	≤29.30	PASS
	total	5785	-0.85	2.2	1.35	≤29.30	PASS
	Ant1	5825	-3.43	2.2	-1.23	≤29.30	PASS
	Ant2	5825	-3.92	2.2	-1.72	≤29.30	PASS
	total	5825	-0.66	2.2	1.54	≤29.30	PASS
11N40MIMO	Ant1	5755	-5.07	2.2	-2.87	≤29.30	PASS
	Ant2	5755	-4.94	2.2	-2.74	≤29.30	PASS
	total	5755	-1.99	2.2	0.21	≤29.30	PASS
	Ant1	5795	-5.42	2.2	-3.22	≤29.30	PASS
	Ant2	5795	-5.21	2.2	-3.01	≤29.30	PASS
	total	5795	-2.3	2.2	-0.10	≤29.30	PASS
11AC20MIMO	Ant1	5745	-2.46	2.2	-0.26	≤29.30	PASS
	Ant2	5745	-2.65	2.2	-0.45	≤29.30	PASS
	total	5745	0.46	2.2	2.66	≤29.30	PASS
	Ant1	5785	-3.3	2.2	-1.10	≤29.30	PASS
	Ant2	5785	-3.24	2.2	-1.04	≤29.30	PASS
	total	5785	-0.26	2.2	1.94	≤29.30	PASS
	Ant1	5825	-3.05	2.2	-0.85	≤29.30	PASS
	Ant2	5825	-3.58	2.2	-1.38	≤29.30	PASS
	total	5825	-0.3	2.2	1.90	≤29.30	PASS
11AC40MIMO	Ant1	5755	-5.21	2.2	-3.01	≤29.30	PASS
	Ant2	5755	-4.75	2.2	-2.55	≤29.30	PASS
	total	5755	-1.96	2.2	0.24	≤29.30	PASS
	Ant1	5795	-5.76	2.2	-3.56	≤29.30	PASS

11AC80MIMO	Ant2	5795	-5.38	2.2	-3.18	≤29.30	PASS
	total	5795	-2.56	2.2	-0.36	≤29.30	PASS
	Ant1	5775	-7.9	2.2	-5.70	≤29.30	PASS
	Ant2	5775	-7.0	2.2	-4.80	≤29.30	PASS
11AX20MIMO	total	5775	-4.42	2.2	-2.22	≤29.30	PASS
	Ant1	5745	-1.95	2.2	0.25	≤29.30	PASS
	Ant2	5745	-2.52	2.2	-0.32	≤29.30	PASS
	total	5745	0.78	2.2	2.98	≤29.30	PASS
	Ant1	5785	-2.73	2.2	-0.53	≤29.30	PASS
	Ant2	5785	-3.24	2.2	-1.04	≤29.30	PASS
	total	5785	0.03	2.2	2.23	≤29.30	PASS
	Ant1	5825	-2.27	2.2	-0.07	≤29.30	PASS
11AX40MIMO	Ant2	5825	-2.97	2.2	-0.77	≤29.30	PASS
	total	5825	0.4	2.2	2.60	≤29.30	PASS
	Ant1	5755	-4.7	2.2	-2.50	≤29.30	PASS
	Ant2	5755	-4.53	2.2	-2.33	≤29.30	PASS
	total	5755	-1.6	2.2	0.60	≤29.30	PASS
11AX80MIMO	Ant1	5795	-4.47	2.2	-2.27	≤29.30	PASS
	Ant2	5795	-5.08	2.2	-2.88	≤29.30	PASS
	total	5795	-1.75	2.2	0.45	≤29.30	PASS
	Ant1	5775	-8.23	2.2	-6.03	≤29.30	PASS
11AX80MIMO	Ant2	5775	-7.33	2.2	-5.13	≤29.30	PASS
	total	5775	-4.75	2.2	-2.55	≤29.30	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

9.5. Original Test Data



