RF MEASUREMENT REPORT

FCC PART 15.407 WLAN 802.11a/n/ac/ax

FCC ID:	TK4WLE1216V520
Applicant:	Compex Systems Pte Ltd
Product:	4x4 Wave-2 802.11ac/a/n Mini PCIe WiFi Module
Model No.:	WLE1216V5-20, WLE1216V5-20-I
Brand Name:	COMPEX
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part 15 Subpart E (Section 15.407)
Test Date:	February 13 ~ 15, 2022

Reviewed By: Jame Yuan

Approved By: Robin Wu

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB789033. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2202RSU009-U1	Rev. 01	Initial Report	03-25-2022	Valid

Note: This report is based on MRT original report (Report No.: 1710RSU02001) to change the chip (from QCA9984 to QCA9994) and only radiated emission was verified in this report as per manufacturer's requirement.

CONTENTS

Description Page

1. General Information 4

1.1. Applicant 4
1.2. Manufacturer 4
1.3. Testing Facility 4
1.4. Product Information 5
1.5. Radio Specification 5
1.6. Working Frequencies 6
1.7. Antenna Details 7

2. Test Configuration 8

2.1. Test Mode 8
2.2. Test System Connection Diagram 9
2.3. Test System Details 9
2.4. Test Software 10
2.5. Applied Standards 13
2.6. Test Environment Condition 13

3. Antenna Requirements 14

4. Measuring Instrument 15

5. Measurement Uncertainty 16

6. Test Result 17

6.1. Summary 17
6.2. Radiated Spurious Emission Measurement 18
6.2.1. Test Limit 18
6.2.2. Test Procedure 18
6.2.3. Test Setting 18
6.2.4. Test Setup 20
6.2.5. Test Result 21

Appendix A – Test Setup Photograph 145

Appendix B – EUT Photograph 147

1. General Information

1.1. Applicant

Compex Systems Pte Ltd

No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651

1.2. Manufacturer

Compex Systems Pte Ltd

No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651

1.3. Testing Facility

☒	**Test Site – MRT Suzhou Laboratory**				
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China **Laboratory Location (Suzhou - SIP)** 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐R-20025	☐G-20034	☐C-20020	☐T-20020
		☐R-20141	☐G-20134	☐C-20103	☐T-20104
☐	**Test Site – MRT Shenzhen Laboratory**				
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	**Test Site – MRT Taiwan Laboratory**				
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: L3261-190725				
	FCC: 291082, TW3261		ISED: TW3261		

1.4. Product Information

Product Name	4x4 Wave-2 802.11ac/a/n Mini PCIe WiFi Module
Model No.	WLE1216V5-20
Brand Name	COMPEX
Serial No.	27286628
Wi-Fi Specification	802.11a/b/g/n/ac
Antenna information	Refer to section 1.7
Antenna Delivery	4*TX + 4*RX
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification

Frequency Range	For 802.11a/n-HT20/ac-VHT20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690MHz, 5775MHz
Type of Modulation	802.11a/n/ac: OFDM
Data Rate	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.2Mbps

Note: For other features of this EUT, test report will be issued separately.

1.6. Working Frequencies

802.11a/n-HT20/ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	144	5720 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	--	--	--	--

802.11n-HT40/ac-VHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
142	5710 MHz	151	5755 MHz	159	5795 MHz

802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	155	5775 MHz

802.11ac-VHT80+80 Groups

5210MHz + 5530MHz	5210MHz + 5610MHz
5210MHz + 5690MHz	5210MHz + 5775MHz
5290MHz + 5530MHz	5290MHz + 5610MHz
5290MHz + 5690MHz	5290MHz + 5775MHz
5530MHz + 5775MHz	5610MHz + 5775MHz

1.7. Antenna Details

No.	Antenna	Manufacturer	Frequency Band (MHz)	Max Peak Gain (dBi)
Wi-Fi External Antenna List (5GHz 4*4 MIMO)				
1#	Omni Directional	Exceltek Electronics Technology Co., Ltd.	2400 ~ 2500	3.0
			5150 ~ 5850	5.0
2#	Omni Directional	Laird Smart Technology Co., Ltd.	2400 ~ 2500	2.2
			5150 ~ 5850	3.5
3#	Omni Directional	Linx Technologies	2400 ~ 2500	2.5
			5150 ~ 5850	4.6
4#	Omni Directional	Kenbotong Technology Co., Ltd.	5150 ~ 5850	10.0

Note 1: The device didn’t support beam-forming technology and Cyclic Delay Diversity (CDD) technology, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.

Note 2: We selected the max peak gain antenna 4# to perform all RF testing.

2. Test Configuration

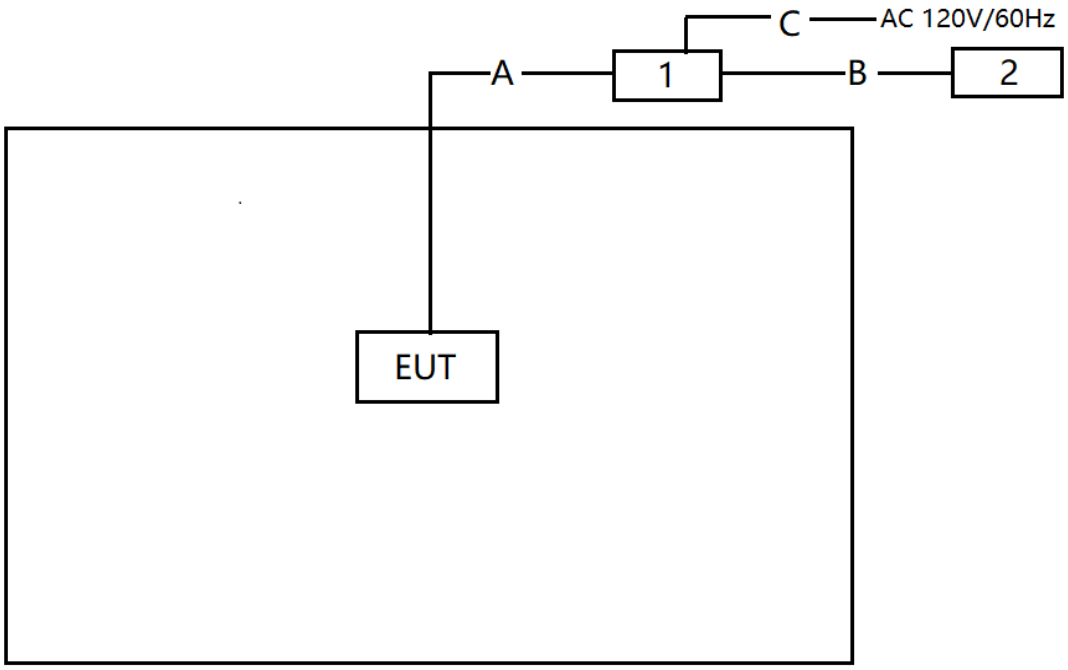
2.1. Test Mode

Mode 1: Transmit by 802.11a (6Mbps)
Mode 2: Transmit by 802.11n-HT20 (MCS0)
Mode 3: Transmit by 802.11n-HT40 (MCS0)
Mode 4: Transmit by 802.11ac-VHT20 (MCS0)
Mode 5: Transmit by 802.11ac-VHT40 (MCS0)
Mode 6: Transmit by 802.11ac-VHT80 (MCS0)
Mode 7: Transmit by 802.11ac-VHT80+80 (MCS0)

2.2. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram – Radiated Emission testing



Cable Type		Cable Description
A	LAN Cable	Non shielded, > 10m
B	LAN Cable	Non shielded, 3.0m
C	Power Cable	Shielding, < 1.8 m

2.3. Test System Details

Product		Manufacturer	Model No.
1	POE	N/A	ADH-30CR BB
2	Notebook	Lenovo	E431

2.4. Test Software

The test utility software used during testing was “QRCT”, and the version was 4.0.00182.0.

Power Parameter Value for 1TX

Test Mode	Channel No.	Test Frequency (MHz)	Power Parameter Value			
			Ant 0	Ant 1	Ant 2	Ant 3
802.11a	36	5180	17.0	17.0	17.5	17.5
	44	5220	17.5	17.5	17.5	17.5
	48	5240	18.0	17.5	17.5	18.0
	52	5260	17.0	17.0	17.0	17.5
	60	5300	17.0	17.0	17.0	17.5
	64	5320	17.0	17.0	17.0	17.5
	100	5500	17.0	16.5	16.5	17.0
	116	5580	17.0	16.5	16.0	16.5
	120	5600	17.0	16.5	16.5	16.5
	140	5700	17.5	16.5	16.5	17.0
	144	5720	17.5	16.5	16.5	17.0
	149	5745	21.0	21.0	21.0	21.0
	157	5785	21.0	21.0	21.0	21.0
	165	5825	21.0	21.0	21.0	21.0

Power Parameter Value for 4TX

Test Mode	Channel No.	Test Frequency (MHz)	Ant 0 + 1 + 2 + 3 Power Parameter Value
802.11n-HT20	36	5180	11.5
	44	5220	12.0
	48	5240	12.0
	52	5260	11.0
	60	5300	11.0
	64	5320	11.0
	100	5500	10.5
	116	5580	10.0
	120	5600	10.5
	140	5700	10.5
	144	5720	10.5
	149	5745	18.5
	157	5785	18.0
	165	5825	18.0

Test Mode	Channel No.	Test Frequency (MHz)	Ant 0 + 1 + 2 + 3 Power Parameter Value
802.11n-HT40	38	5190	13.5
	46	5230	13.5
	54	5270	14.0
	62	5310	14.0
	102	5510	13.5
	110	5550	14.0
	118	5590	14.0
	134	5670	13.5
	142	5710	13.5
	151	5755	19.5
	159	5795	20.0
802.11ac-VHT20	36	5180	11.5
	44	5220	12.0
	48	5240	12.0
	52	5260	11.0
	60	5300	11.0
	64	5320	11.0
	100	5500	10.5
	116	5580	10.0
	120	5600	10.5
	140	5700	10.5
	144	5720	10.5
	149	5745	18.5
	157	5785	18.0
	165	5825	18.0

Test Mode	Channel No.	Test Frequency (MHz)	Ant 0 + 1 + 2 + 3 Power Parameter Value
802.11ac-VHT40	38	5190	13.5
	46	5230	13.5
	54	5270	14.5
	62	5310	14.0
	102	5510	13.5
	110	5550	14.0
	118	5590	14.0
	134	5670	13.5
	142	5710	13.5
	151	5755	19.0
	159	5795	19.0
802.11ac-VHT80	42	5210	11.5
	58	5290	12.0
	106	5530	11.5
	122	5610	13.5
	138	5690	13.5
	155	5775	11.5

Test Mode	Channel No.	Test Frequency (MHz)	Ant 0 + 1 + 2 + 3 Power Parameter Value
Non-contiguous 80+80 MHz mode fall within different UNII band			
802.11ac-VHT80+80	42 + 106	5210 + 5530	16.5
	42 + 122	5210 + 5610	17.5
	42 + 138	5210 + 5690	17.5
	42 + 155	5210 + 5775	17.0
	58 + 106	5290 + 5530	16.5
	58 + 122	5290 + 5610	17.5
	58 + 138	5290 + 5690	17.5
	58 + 155	5290 + 5775	17.0
	106 + 155	5530 + 5775	17.0
	122 + 155	5610 + 5775	17.0

2.5. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.407
- KDB 789033 D02v02r01
- KDB 662911 D01v02r01
- ANSI C63.10-2013

2.6. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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 antenna of the device uses the **unique I-PEX** connector.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2022/12/23	SIP-AC1
Preamplifier	EMCI	EMC051845SE	MRTSUE06600	1 year	2022/11/8	SIP-AC1
Horn Antenna	R&S	HF907	MRTSUE06610	1 year	2022/8/5	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06616	1 year	2022/11/2	SIP-AC1
Thermohygrometer	testo	608-H1	MRTSUE06620	1 year	2022/11/28	SIP-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06645	1 year	2022/8/26	SIP-AC1
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2022/12/29	SIP-AC1/SIP-AC2/SIP-AC3
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2022/6/24	SIP-AC1/SIP-AC2/SIP-AC3
Preamplifier	EMCI	EMC001330	MRTSUE06643	1 year	2023/1/13	SIP-AC1/SIP-AC2/SIP-AC3
Loop Antenna	Schwarzbeck	FMZB 1519 B	MRTSUE06937	1 year	2022/3/9	SIP-AC1/SIP-AC2/SIP-AC3
Signal Analyzer	Keysight	N9010B	MRTSUE07028	1 year	2022/12/9	SIP-AC1/SIP-AC2/SIP-AC3/ SIP-TR1/SIP-TR2/SIP-SR1
Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2022/6/24	SIP-AC1/SIP-AC2/SIP-AC3/ SIP-SR1
Signal Analyzer	Keysight	N9010B	MRTSUE06603	1 year	2022/10/31	SIP-AC1/SIP-AC2/SIP-AC3/ SIP-SR1
Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2022/9/7	SIP-AC1/SIP-AC2/SIP-AC3/ SIP-SR1

Software	Version	Function
EMI Software	V3	EMI Test Software

5. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement
Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz~150kHz: 3.74dB 150kHz~30MHz: 3.44dB
Radiated Disturbance
Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 30MHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~40GHz: 6.40dB Vertical: 30MHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.78dB

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.205, 15.209 15.407(b)(8), (9), (10)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Radiated	Pass

Remark:

1. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.

6.2. Radiated Spurious Emission Measurement

6.2.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.2.2. Test Procedure

KDB 789033 D02v02r01- Section G

6.2.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

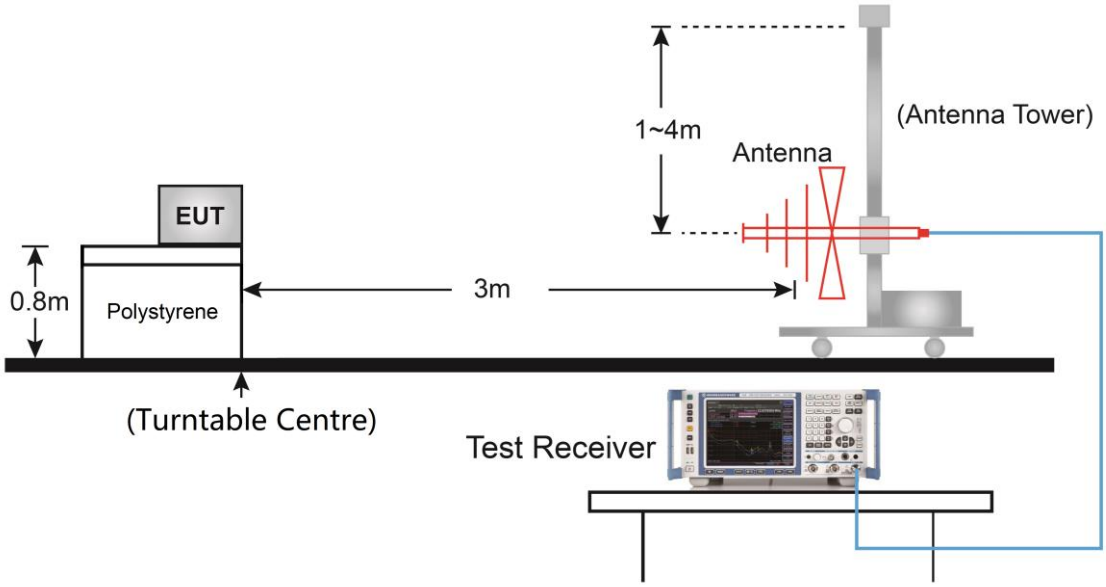
5. Sweep time = auto

6. Trace mode = max hold

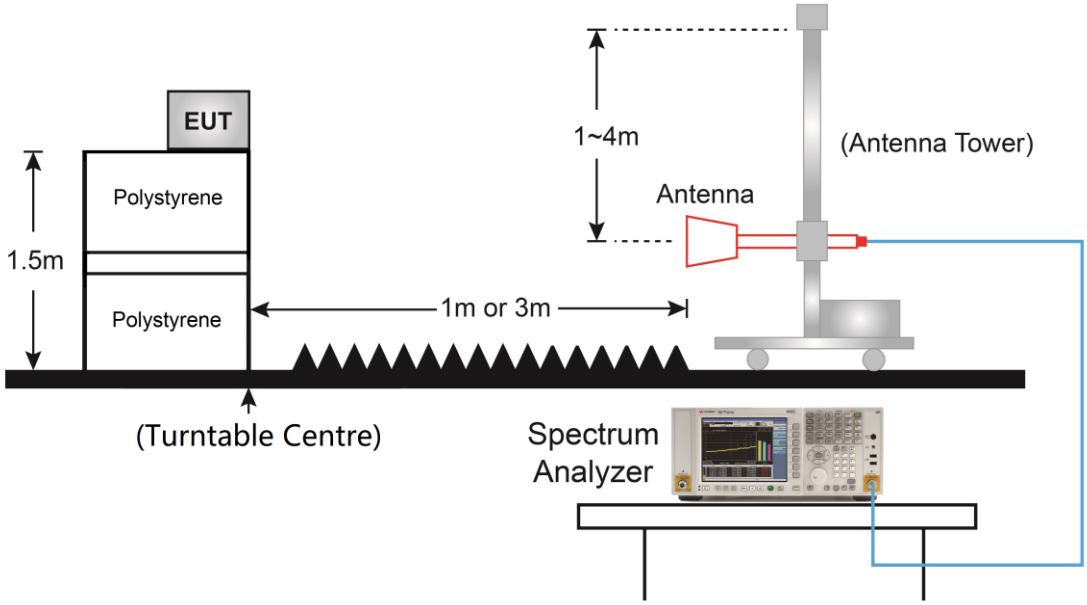
7. Trace was allowed to stabilize

6.2.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.2.5. Test Result

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9967.5	48.5	-3.9	44.6	68.2	-23.6	Peak	Horizontal
	12551.5	47.0	-2.1	44.9	74.0	-29.1	Peak	Horizontal
	15807.0	43.2	4.8	47.9	74.0	-26.1	Peak	Horizontal
*	16742.0	43.8	6.6	50.4	68.2	-17.8	Peak	Horizontal
*	10384.0	47.8	-3.5	44.3	68.2	-23.9	Peak	Vertical
	11149.0	47.7	-3.3	44.4	74.0	-29.6	Peak	Vertical
	15713.5	44.5	3.9	48.3	74.0	-25.7	Peak	Vertical
*	17600.5	43.9	7.1	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	47.5	-3.5	44.0	68.2	-24.2	Peak	Horizontal
	12245.5	47.5	-2.6	44.9	74.0	-29.1	Peak	Horizontal
	15917.5	43.7	4.9	48.6	74.0	-25.4	Peak	Horizontal
*	17473.0	44.6	6.7	51.4	68.2	-16.8	Peak	Horizontal
*	9950.5	48.1	-4.1	44.0	68.2	-24.2	Peak	Vertical
	11115.0	47.8	-3.3	44.6	74.0	-29.4	Peak	Vertical
	15917.5	44.1	4.9	49.0	74.0	-25.0	Peak	Vertical
*	17345.5	43.6	7.4	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10367.0	47.3	-3.4	43.9	68.2	-24.3	Peak	Horizontal
	11149.0	48.2	-3.3	44.9	74.0	-29.1	Peak	Horizontal
	15586.0	44.6	4.5	49.0	74.0	-25.0	Peak	Horizontal
*	17252.0	43.6	7.3	50.8	68.2	-17.4	Peak	Horizontal
*	9916.5	49.5	-4.1	45.4	68.2	-22.8	Peak	Vertical
	11880.0	46.9	-2.7	44.2	74.0	-29.8	Peak	Vertical
	15926.0	43.2	5.4	48.6	74.0	-25.4	Peak	Vertical
*	16640.0	43.7	6.4	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10341.5	47.7	-4.0	43.8	68.2	-24.4	Peak	Horizontal
	11472.0	47.3	-2.8	44.5	74.0	-29.5	Peak	Horizontal
	15577.5	43.9	4.3	48.3	74.0	-25.7	Peak	Horizontal
*	16988.5	44.3	6.0	50.3	68.2	-17.9	Peak	Horizontal
*	10358.5	47.2	-3.4	43.8	68.2	-24.4	Peak	Vertical
	11693.0	47.4	-2.6	44.8	74.0	-29.2	Peak	Vertical
	15577.5	44.3	4.3	48.6	74.0	-25.4	Peak	Vertical
*	17133.0	43.9	6.7	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9908.0	47.7	-3.8	43.9	68.2	-24.3	Peak	Horizontal
	11208.5	49.2	-3.2	46.0	74.0	-28.0	Peak	Horizontal
	15917.5	43.3	4.9	48.2	74.0	-25.8	Peak	Horizontal
*	17252.0	43.7	7.3	51.0	68.2	-17.2	Peak	Horizontal
*	10154.5	48.1	-3.7	44.4	68.2	-23.8	Peak	Vertical
	12024.5	47.9	-3.0	45.0	74.0	-29.0	Peak	Vertical
	15484.0	44.5	3.8	48.3	74.0	-25.7	Peak	Vertical
*	16742.0	44.2	6.6	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	47.7	-3.5	44.1	68.2	-24.1	Peak	Horizontal
	11837.5	47.2	-2.6	44.6	74.0	-29.4	Peak	Horizontal
	15696.5	44.0	4.0	48.0	74.0	-26.0	Peak	Horizontal
*	16920.5	44.2	6.4	50.6	68.2	-17.6	Peak	Horizontal
*	10112.0	47.3	-3.7	43.6	68.2	-24.6	Peak	Vertical
	12356.0	46.9	-2.1	44.8	74.0	-29.2	Peak	Vertical
	15909.0	43.6	4.4	48.0	74.0	-26.0	Peak	Vertical
*	16937.5	43.0	7.2	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10486.0	47.6	-3.7	43.9	68.2	-24.3	Peak	Horizontal
	11854.5	48.5	-2.7	45.9	74.0	-28.1	Peak	Horizontal
	15807.0	43.6	4.8	48.3	74.0	-25.7	Peak	Horizontal
*	16946.0	43.0	7.2	50.2	68.2	-18.0	Peak	Horizontal
	11574.0	47.1	-3.2	43.9	74.0	-30.1	Peak	Vertical
*	14277.0	45.8	1.7	47.5	68.2	-20.7	Peak	Vertical
	15569.0	43.7	4.2	47.9	74.0	-26.1	Peak	Vertical
*	16937.5	43.4	7.2	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9763.5	48.1	-4.1	44.0	68.2	-24.2	Peak	Horizontal
	11234.0	47.9	-3.0	44.9	74.0	-29.1	Peak	Horizontal
	15705.0	44.2	4.0	48.3	74.0	-25.7	Peak	Horizontal
*	16742.0	45.0	6.6	51.6	68.2	-16.6	Peak	Horizontal
*	10375.5	47.7	-3.5	44.3	68.2	-23.9	Peak	Vertical
	11225.5	45.6	-3.1	42.5	74.0	-31.5	Peak	Vertical
	15577.5	43.7	4.3	48.1	74.0	-25.9	Peak	Vertical
*	16733.5	44.9	6.4	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	10817.5	48.5	-3.7	44.8	74.0	-29.2	Peak	Horizontal
*	13750.0	46.3	0.2	46.5	68.2	-21.7	Peak	Horizontal
	15696.5	45.7	4.0	49.6	74.0	-24.4	Peak	Horizontal
*	17337.0	43.6	7.9	51.5	68.2	-16.7	Peak	Horizontal
*	9746.5	48.7	-4.1	44.6	68.2	-23.6	Peak	Vertical
	11693.0	47.4	-2.6	44.8	74.0	-29.2	Peak	Vertical
	15433.0	44.7	3.8	48.5	74.0	-25.5	Peak	Vertical
*	16937.5	43.5	7.2	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	47.2	-3.5	43.7	68.2	-24.5	Peak	Horizontal
	11846.0	47.6	-2.5	45.1	74.0	-28.9	Peak	Horizontal
	15569.0	44.5	4.2	48.8	74.0	-25.2	Peak	Horizontal
*	16929.0	44.1	7.2	51.3	68.2	-16.9	Peak	Horizontal
*	9942.0	46.0	-4.6	41.4	68.2	-26.8	Peak	Vertical
	11820.5	47.2	-2.6	44.6	74.0	-29.4	Peak	Vertical
	15577.5	43.7	4.3	48.0	74.0	-26.0	Peak	Vertical
*	16640.0	44.9	6.4	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10350.0	47.3	-3.4	43.9	68.2	-24.3	Peak	Horizontal
	12356.0	46.8	-2.1	44.6	74.0	-29.4	Peak	Horizontal
	15569.0	44.3	4.2	48.6	74.0	-25.4	Peak	Horizontal
*	17141.5	44.0	6.6	50.6	68.2	-17.6	Peak	Horizontal
*	10001.5	48.5	-4.1	44.4	68.2	-23.8	Peak	Vertical
	11004.5	48.4	-3.6	44.8	74.0	-29.2	Peak	Vertical
	15594.5	44.7	3.8	48.5	74.0	-25.5	Peak	Vertical
*	17269.0	44.5	7.0	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10129.0	47.7	-3.5	44.2	68.2	-24.0	Peak	Horizontal
	11557.0	47.5	-3.2	44.3	74.0	-29.7	Peak	Horizontal
	15917.5	43.4	4.9	48.3	74.0	-25.7	Peak	Horizontal
*	17235.0	44.7	7.5	52.2	68.2	-16.0	Peak	Horizontal
*	9763.5	48.8	-4.1	44.6	68.2	-23.6	Peak	Vertical
	11914.0	47.3	-2.6	44.7	74.0	-29.3	Peak	Vertical
	15926.0	44.1	5.4	49.5	74.0	-24.5	Peak	Vertical
*	17235.0	44.5	7.5	52.0	68.2	-16.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10103.5	48.4	-3.9	44.5	68.2	-23.7	Peak	Horizontal
	11744.0	47.4	-2.8	44.6	74.0	-29.4	Peak	Horizontal
	15917.5	43.6	4.9	48.5	74.0	-25.5	Peak	Horizontal
*	16759.0	43.9	6.3	50.3	68.2	-17.9	Peak	Horizontal
*	9908.0	48.7	-3.8	44.9	68.2	-23.3	Peak	Vertical
	11378.5	48.0	-3.1	45.0	74.0	-29.0	Peak	Vertical
	15926.0	43.0	5.4	48.4	74.0	-25.6	Peak	Vertical
*	16402.0	44.7	5.5	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 0 Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10154.5	49.2	-3.7	45.5	68.2	-22.7	Peak	Horizontal
	11650.5	48.7	-2.8	45.9	74.0	-28.1	Peak	Horizontal
	15586.0	43.9	4.5	48.4	74.0	-25.6	Peak	Horizontal
*	17473.0	45.2	6.7	52.0	68.2	-16.2	Peak	Horizontal
*	10180.0	48.4	-4.1	44.4	68.2	-23.8	Peak	Vertical
	11659.0	48.2	-2.6	45.6	74.0	-28.4	Peak	Vertical
	15926.0	43.9	5.4	49.3	74.0	-24.7	Peak	Vertical
*	16946.0	44.4	7.2	51.6	68.2	-16.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10001.5	48.2	-4.1	44.1	68.2	-24.2	Peak	Horizontal
	11965.0	46.7	-2.5	44.2	74.0	-29.8	Peak	Horizontal
	15433.0	44.5	3.8	48.2	74.0	-25.8	Peak	Horizontal
*	16538.0	43.5	6.2	49.7	68.2	-18.5	Peak	Horizontal
*	9593.5	49.1	-4.6	44.5	68.2	-23.7	Peak	Vertical
	12101.0	46.6	-2.4	44.2	74.0	-29.8	Peak	Vertical
	15926.0	43.3	5.4	48.7	74.0	-25.3	Peak	Vertical
*	17269.0	43.7	7.0	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	48.2	-3.5	44.7	68.2	-23.5	Peak	Horizontal
	11693.0	47.9	-2.6	45.3	74.0	-28.7	Peak	Horizontal
	15671.0	45.3	3.4	48.7	74.0	-25.3	Peak	Horizontal
*	17337.0	43.7	7.9	51.7	68.2	-16.5	Peak	Horizontal
*	10137.5	47.8	-3.5	44.2	68.2	-24.0	Peak	Vertical
	11905.5	47.2	-2.5	44.7	74.0	-29.3	Peak	Vertical
	15926.0	43.3	5.4	48.7	74.0	-25.3	Peak	Vertical
*	17600.5	45.1	7.1	52.2	68.2	-16.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10367.0	49.0	-3.4	45.6	68.2	-22.6	Peak	Horizontal
	11931.0	47.0	-2.6	44.4	74.0	-29.6	Peak	Horizontal
	15807.0	43.8	4.8	48.6	74.0	-25.4	Peak	Horizontal
*	16929.0	43.8	7.2	51.0	68.2	-17.2	Peak	Horizontal
*	9695.5	48.9	-4.6	44.3	68.2	-23.9	Peak	Vertical
	11463.5	47.0	-3.1	43.9	74.0	-30.1	Peak	Vertical
	15815.5	45.0	4.0	49.0	74.0	-25.0	Peak	Vertical
*	16963.0	44.1	6.5	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a - Ant 1 Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9712.5	48.1	-4.5	43.6	68.2	-24.6	Peak	Horizontal
	11922.5	47.2	-2.6	44.5	74.0	-29.5	Peak	Horizontal
	15807.0	43.8	4.8	48.6	74.0	-25.4	Peak	Horizontal
*	16742.0	44.0	6.6	50.6	68.2	-17.6	Peak	Horizontal
*	10146.0	47.3	-3.5	43.8	68.2	-24.5	Peak	Vertical
	12109.5	47.2	-2.6	44.6	74.0	-29.4	Peak	Vertical
	15637.0	44.8	3.1	47.9	74.0	-26.1	Peak	Vertical
*	17685.5	44.3	6.9	51.3	68.2	-16.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10214.0	47.3	-4.0	43.3	68.2	-24.9	Peak	Horizontal
	12220.0	46.5	-2.2	44.3	74.0	-29.7	Peak	Horizontal
	15569.0	44.0	4.2	48.2	74.0	-25.8	Peak	Horizontal
*	17226.5	43.9	6.9	50.9	68.2	-17.3	Peak	Horizontal
*	10375.5	48.7	-3.5	45.2	68.2	-23.0	Peak	Vertical
	11803.5	47.3	-2.9	44.5	74.0	-29.5	Peak	Vertical
	15722.0	44.7	3.7	48.4	74.0	-25.6	Peak	Vertical
*	17337.0	43.3	7.9	51.2	68.2	-17.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10112.0	49.3	-3.7	45.6	68.2	-22.6	Peak	Horizontal
	12424.0	46.8	-2.3	44.5	74.0	-29.5	Peak	Horizontal
	16079.0	45.7	3.9	49.5	74.0	-24.5	Peak	Horizontal
*	16937.5	43.8	7.2	51.0	68.2	-17.2	Peak	Horizontal
*	10061.0	48.0	-4.2	43.7	68.2	-24.5	Peak	Vertical
	11361.5	47.4	-2.6	44.8	74.0	-29.2	Peak	Vertical
	15807.0	44.1	4.8	48.9	74.0	-25.1	Peak	Vertical
*	17379.5	44.8	6.7	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10367.0	48.1	-3.4	44.7	68.2	-23.5	Peak	Horizontal
	12211.5	46.8	-2.3	44.5	74.0	-29.5	Peak	Horizontal
	15586.0	43.8	4.5	48.3	74.0	-25.7	Peak	Horizontal
*	16844.0	44.2	6.3	50.5	68.2	-17.7	Peak	Horizontal
*	9959.0	47.6	-3.6	44.0	68.2	-24.2	Peak	Vertical
	11650.5	47.1	-2.8	44.2	74.0	-29.8	Peak	Vertical
	15917.5	43.4	4.9	48.3	74.0	-25.7	Peak	Vertical
*	16929.0	43.7	7.2	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10375.5	48.4	-3.5	44.9	68.2	-23.3	Peak	Horizontal
	11880.0	47.0	-2.7	44.3	74.0	-29.7	Peak	Horizontal
	15713.5	44.6	3.9	48.5	74.0	-25.5	Peak	Horizontal
*	17226.5	43.6	6.9	50.5	68.2	-17.7	Peak	Horizontal
*	10137.5	47.5	-3.5	44.0	68.2	-24.2	Peak	Vertical
	12126.5	47.4	-2.8	44.6	74.0	-29.4	Peak	Vertical
	15620.0	45.4	3.2	48.6	74.0	-25.4	Peak	Vertical
*	17226.5	44.3	6.9	51.2	68.2	-17.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	47.5	-3.5	44.0	68.2	-24.2	Peak	Horizontal
	12177.5	48.0	-2.2	45.8	74.0	-28.2	Peak	Horizontal
	15560.5	45.2	3.8	49.0	74.0	-25.0	Peak	Horizontal
*	17243.5	43.5	7.4	50.8	68.2	-17.4	Peak	Horizontal
*	10001.5	48.0	-4.1	43.9	68.2	-24.3	Peak	Vertical
	11948.0	46.9	-2.2	44.7	74.0	-29.3	Peak	Vertical
	15917.5	44.0	4.9	48.9	74.0	-25.1	Peak	Vertical
*	16937.5	43.9	7.2	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	47.9	-3.5	44.3	68.2	-23.9	Peak	Horizontal
	12560.0	47.9	-2.2	45.7	74.0	-28.3	Peak	Horizontal
	15807.0	43.6	4.8	48.4	74.0	-25.6	Peak	Horizontal
*	17260.5	44.1	7.1	51.3	68.2	-16.9	Peak	Horizontal
*	10367.0	48.1	-3.4	44.7	68.2	-23.5	Peak	Vertical
	11285.0	47.1	-3.1	44.0	74.0	-30.0	Peak	Vertical
	15560.5	44.2	3.8	47.9	74.0	-26.1	Peak	Vertical
*	17260.5	43.6	7.1	50.8	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10350.0	47.8	-3.4	44.4	68.2	-23.8	Peak	Horizontal
	11183.0	47.8	-3.2	44.5	74.0	-29.5	Peak	Horizontal
	15586.0	43.6	4.5	48.1	74.0	-25.9	Peak	Horizontal
*	17014.0	45.1	5.9	51.0	68.2	-17.2	Peak	Horizontal
*	10375.5	48.1	-3.5	44.6	68.2	-23.6	Peak	Vertical
	11659.0	47.3	-2.6	44.7	74.0	-29.3	Peak	Vertical
	15569.0	44.7	4.2	49.0	74.0	-25.0	Peak	Vertical
*	16937.5	43.4	7.2	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10103.5	48.6	-3.9	44.7	68.2	-23.5	Peak	Horizontal
	12169.0	47.2	-2.2	45.0	74.0	-29.0	Peak	Horizontal
	15705.0	43.6	4.0	47.6	74.0	-26.4	Peak	Horizontal
*	16937.5	44.2	7.2	51.4	68.2	-16.8	Peak	Horizontal
*	9772.0	46.6	-4.2	42.4	68.2	-25.8	Peak	Vertical
	11480.5	45.3	-2.9	42.4	74.0	-31.6	Peak	Vertical
	15917.5	43.9	4.9	48.8	74.0	-25.2	Peak	Vertical
*	17235.0	45.3	7.5	52.8	68.2	-15.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9959.0	47.8	-3.6	44.1	68.2	-24.1	Peak	Horizontal
	11234.0	48.7	-3.0	45.7	74.0	-28.3	Peak	Horizontal
	15586.0	44.1	4.5	48.6	74.0	-25.4	Peak	Horizontal
*	17243.5	43.6	7.4	51.0	68.2	-17.2	Peak	Horizontal
*	10367.0	48.0	-3.4	44.6	68.2	-23.6	Peak	Vertical
	11557.0	47.5	-3.2	44.4	74.0	-29.6	Peak	Vertical
	15577.5	44.7	4.3	49.1	74.0	-24.9	Peak	Vertical
*	17243.5	42.8	7.4	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 1 Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10188.5	49.2	-4.0	45.3	68.2	-22.9	Peak	Horizontal
	11650.5	49.0	-2.8	46.2	74.0	-27.8	Peak	Horizontal
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Horizontal
*	16937.5	43.4	7.2	50.6	68.2	-17.6	Peak	Horizontal
*	10129.0	47.5	-3.5	44.0	68.2	-24.2	Peak	Vertical
	11650.5	50.4	-2.8	47.5	74.0	-26.5	Peak	Vertical
	15586.0	44.2	4.5	48.7	74.0	-25.3	Peak	Vertical
*	16742.0	44.4	6.6	51.0	68.2	-17.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9712.5	48.7	-4.5	44.2	68.2	-24.0	Peak	Horizontal
	11370.0	48.1	-2.6	45.5	74.0	-28.5	Peak	Horizontal
	15926.0	43.8	5.4	49.2	74.0	-24.8	Peak	Horizontal
*	17252.0	44.2	7.3	51.4	68.2	-16.8	Peak	Horizontal
*	9738.0	48.3	-4.1	44.2	68.2	-24.0	Peak	Vertical
	11659.0	47.1	-2.6	44.5	74.0	-29.5	Peak	Vertical
	15807.0	44.2	4.8	48.9	74.0	-25.1	Peak	Vertical
*	16929.0	44.1	7.2	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9636.0	48.1	-4.4	43.8	68.2	-24.4	Peak	Horizontal
	11693.0	47.2	-2.6	44.6	74.0	-29.4	Peak	Horizontal
	15917.5	43.4	4.9	48.3	74.0	-25.7	Peak	Horizontal
*	17107.5	44.2	6.6	50.8	68.2	-17.4	Peak	Horizontal
*	10341.5	48.8	-4.0	44.9	68.2	-23.3	Peak	Vertical
	11582.5	47.6	-3.3	44.3	74.0	-29.7	Peak	Vertical
	15577.5	44.7	4.3	49.0	74.0	-25.0	Peak	Vertical
*	16929.0	43.6	7.2	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9908.0	48.2	-3.8	44.4	68.2	-23.8	Peak	Horizontal
	12500.5	47.1	-1.9	45.1	74.0	-28.9	Peak	Horizontal
	15807.0	44.3	4.8	49.1	74.0	-24.9	Peak	Horizontal
*	16631.5	44.3	6.0	50.4	68.2	-17.8	Peak	Horizontal
*	10069.5	48.0	-4.2	43.7	68.2	-24.5	Peak	Vertical
	11956.5	46.6	-2.3	44.2	74.0	-29.8	Peak	Vertical
	15696.5	45.1	4.0	49.0	74.0	-25.0	Peak	Vertical
*	16640.0	44.5	6.4	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	47.8	-3.5	44.3	68.2	-23.9	Peak	Horizontal
	11820.5	47.5	-2.6	44.9	74.0	-29.1	Peak	Horizontal
	15934.5	44.5	4.4	48.9	74.0	-25.1	Peak	Horizontal
*	16895.0	44.4	6.1	50.5	68.2	-17.7	Peak	Horizontal
*	9619.0	48.4	-4.7	43.7	68.2	-24.5	Peak	Vertical
	11973.5	47.7	-2.6	45.2	74.0	-28.8	Peak	Vertical
	15569.0	44.6	4.2	48.8	74.0	-25.2	Peak	Vertical
*	16631.5	44.3	6.0	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9959.0	47.9	-3.6	44.2	68.2	-24.0	Peak	Horizontal
	11361.5	47.1	-2.6	44.4	74.0	-29.6	Peak	Horizontal
	15926.0	43.5	5.4	48.9	74.0	-25.1	Peak	Horizontal
*	16937.5	43.5	7.2	50.7	68.2	-17.5	Peak	Horizontal
*	10103.5	47.9	-3.9	44.1	68.2	-24.1	Peak	Vertical
	11667.5	48.1	-3.0	45.2	74.0	-28.8	Peak	Vertical
	15739.0	46.3	3.3	49.6	74.0	-24.4	Peak	Vertical
*	16529.5	45.7	5.8	51.5	68.2	-16.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10112.0	47.6	-3.7	43.9	68.2	-24.3	Peak	Horizontal
	11370.0	46.9	-2.6	44.3	74.0	-29.7	Peak	Horizontal
	15577.5	44.1	4.3	48.5	74.0	-25.5	Peak	Horizontal
*	17099.0	44.5	6.7	51.2	68.2	-17.0	Peak	Horizontal
*	10375.5	48.4	-3.5	44.9	68.2	-23.3	Peak	Vertical
	11115.0	47.8	-3.3	44.6	74.0	-29.4	Peak	Vertical
	15662.5	44.5	3.0	47.6	74.0	-26.4	Peak	Vertical
*	17260.5	43.9	7.1	51.0	68.2	-17.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9780.5	48.6	-4.3	44.4	68.2	-23.8	Peak	Horizontal
	11939.5	47.8	-2.4	45.4	74.0	-28.6	Peak	Horizontal
	15586.0	43.8	4.5	48.2	74.0	-25.8	Peak	Horizontal
*	17235.0	43.5	7.5	50.9	68.2	-17.3	Peak	Horizontal
*	9882.5	49.9	-4.3	45.6	68.2	-22.6	Peak	Vertical
	11837.5	47.2	-2.6	44.6	74.0	-29.4	Peak	Vertical
	15926.0	43.7	5.4	49.2	74.0	-24.8	Peak	Vertical
*	17243.5	43.4	7.4	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	46.3	-4.2	42.1	68.2	-26.1	Peak	Horizontal
	11616.5	48.2	-3.2	45.1	74.0	-28.9	Peak	Horizontal
	15926.0	43.3	5.4	48.7	74.0	-25.3	Peak	Horizontal
*	16929.0	43.5	7.2	50.7	68.2	-17.5	Peak	Horizontal
*	9959.0	47.3	-3.6	43.7	68.2	-24.5	Peak	Vertical
	11472.0	47.3	-2.8	44.5	74.0	-29.5	Peak	Vertical
	15815.5	44.4	4.0	48.5	74.0	-25.5	Peak	Vertical
*	17371.0	43.9	6.9	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9908.0	48.8	-3.8	45.0	68.2	-23.2	Peak	Horizontal
	11931.0	47.5	-2.6	44.9	74.0	-29.1	Peak	Horizontal
	15696.5	44.2	4.0	48.1	74.0	-25.9	Peak	Horizontal
*	16733.5	43.5	6.4	49.8	68.2	-18.4	Peak	Horizontal
*	9721.0	47.0	-4.4	42.6	68.2	-25.6	Peak	Vertical
	12254.0	47.0	-2.4	44.5	74.0	-29.5	Peak	Vertical
	15569.0	44.7	4.2	48.9	74.0	-25.1	Peak	Vertical
*	17252.0	43.7	7.3	51.0	68.2	-17.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10188.5	48.4	-4.0	44.5	68.2	-23.7	Peak	Horizontal
	11744.0	46.8	-2.8	44.1	74.0	-29.9	Peak	Horizontal
	15807.0	44.1	4.8	48.8	74.0	-25.2	Peak	Horizontal
*	16954.5	43.6	6.8	50.4	68.2	-17.8	Peak	Horizontal
*	10154.5	48.1	-3.7	44.4	68.2	-23.8	Peak	Vertical
	11931.0	47.5	-2.6	44.9	74.0	-29.1	Peak	Vertical
	15535.0	45.7	3.1	48.8	74.0	-25.2	Peak	Vertical
*	16937.5	43.0	7.2	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10086.5	48.3	-4.1	44.2	68.2	-24.0	Peak	Horizontal
	12194.5	47.4	-2.4	45.0	74.0	-29.0	Peak	Horizontal
	15917.5	43.5	4.9	48.4	74.0	-25.6	Peak	Horizontal
*	17592.0	44.4	7.6	52.0	68.2	-16.2	Peak	Horizontal
*	9653.0	48.6	-4.4	44.2	68.2	-24.0	Peak	Vertical
	11242.5	47.4	-3.2	44.2	74.0	-29.8	Peak	Vertical
	15586.0	43.5	4.5	48.0	74.0	-26.0	Peak	Vertical
*	17243.5	43.9	7.4	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10239.5	49.1	-4.7	44.4	68.2	-23.8	Peak	Horizontal
	11574.0	47.6	-3.2	44.4	74.0	-29.6	Peak	Horizontal
	15696.5	45.0	4.0	49.0	74.0	-25.0	Peak	Horizontal
*	17243.5	49.4	7.4	56.7	68.2	-11.5	Peak	Horizontal
*	9763.5	48.7	-4.1	44.6	68.2	-23.6	Peak	Vertical
	10979.0	48.4	-3.3	45.1	74.0	-28.9	Peak	Vertical
	15577.5	43.5	4.3	47.8	74.0	-26.2	Peak	Vertical
*	17226.5	52.3	6.9	59.3	68.2	-8.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10375.5	47.8	-3.5	44.4	68.2	-23.8	Peak	Horizontal
	11531.5	48.2	-3.2	45.0	74.0	-29.0	Peak	Horizontal
	15926.0	43.5	5.4	48.9	74.0	-25.1	Peak	Horizontal
*	17286.0	46.1	6.7	52.9	68.2	-15.3	Peak	Horizontal
*	10384.0	48.7	-3.5	45.2	68.2	-23.0	Peak	Vertical
	10979.0	48.9	-3.3	45.6	74.0	-28.4	Peak	Vertical
	15917.5	43.7	4.9	48.6	74.0	-25.4	Peak	Vertical
*	17286.0	49.1	6.7	55.9	68.2	-12.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 2 Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10367.0	47.7	-3.4	44.3	68.2	-23.9	Peak	Horizontal
	11650.5	49.1	-2.8	46.3	74.0	-27.7	Peak	Horizontal
	15917.5	44.1	4.9	49.0	74.0	-25.0	Peak	Horizontal
*	17379.5	44.4	6.7	51.1	68.2	-17.1	Peak	Horizontal
*	10188.5	47.9	-4.0	43.9	68.2	-24.3	Peak	Vertical
	11650.5	50.0	-2.8	47.1	74.0	-26.9	Peak	Vertical
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Vertical
*	16929.0	43.3	7.2	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9959.0	47.8	-3.6	44.1	68.2	-24.1	Peak	Horizontal
	11846.0	47.5	-2.5	45.0	74.0	-29.0	Peak	Horizontal
	15926.0	43.3	5.4	48.7	74.0	-25.3	Peak	Horizontal
*	16538.0	43.2	6.2	49.4	68.2	-18.9	Peak	Horizontal
*	9772.0	46.7	-4.2	42.5	68.2	-25.7	Peak	Vertical
	11497.5	47.9	-2.9	45.1	74.0	-28.9	Peak	Vertical
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Vertical
*	17243.5	43.3	7.4	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	46.5	-4.2	42.3	68.2	-25.9	Peak	Horizontal
	11786.5	46.3	-3.1	43.3	74.0	-30.7	Peak	Horizontal
	15807.0	43.6	4.8	48.3	74.0	-25.7	Peak	Horizontal
*	16648.5	44.4	6.0	50.4	68.2	-17.8	Peak	Horizontal
*	10384.0	48.4	-3.5	44.9	68.2	-23.3	Peak	Vertical
	11727.0	47.3	-2.4	44.8	74.0	-29.2	Peak	Vertical
	15569.0	44.8	4.2	49.0	74.0	-25.0	Peak	Vertical
*	17345.5	43.6	7.4	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9695.5	48.2	-4.6	43.6	68.2	-24.6	Peak	Horizontal
	12551.5	47.9	-2.1	45.7	74.0	-28.3	Peak	Horizontal
	15807.0	44.1	4.8	48.9	74.0	-25.1	Peak	Horizontal
*	16657.0	45.2	5.6	50.8	68.2	-17.4	Peak	Horizontal
*	10146.0	48.4	-3.5	44.9	68.2	-23.3	Peak	Vertical
	12449.5	47.9	-2.1	45.7	74.0	-28.3	Peak	Vertical
	15926.0	44.4	5.4	49.8	74.0	-24.2	Peak	Vertical
*	16954.5	44.4	6.8	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10350.0	49.6	-3.4	46.2	68.2	-22.0	Peak	Horizontal
	12143.5	48.0	-2.6	45.4	74.0	-28.6	Peak	Horizontal
	15926.0	44.0	5.4	49.4	74.0	-24.6	Peak	Horizontal
*	16954.5	44.4	6.8	51.2	68.2	-17.0	Peak	Horizontal
*	10112.0	48.5	-3.7	44.8	68.2	-23.4	Peak	Vertical
	11208.5	48.9	-3.2	45.7	74.0	-28.3	Peak	Vertical
	15688.0	45.4	3.9	49.3	74.0	-24.7	Peak	Vertical
*	16742.0	44.5	6.6	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10180.0	48.5	-4.1	44.4	68.2	-23.8	Peak	Horizontal
	11846.0	47.3	-2.5	44.8	74.0	-29.2	Peak	Horizontal
	15586.0	44.8	4.5	49.3	74.0	-24.7	Peak	Horizontal
*	17235.0	43.3	7.5	50.7	68.2	-17.5	Peak	Horizontal
*	9780.5	48.4	-4.3	44.1	68.2	-24.1	Peak	Vertical
	12143.5	47.4	-2.6	44.8	74.0	-29.2	Peak	Vertical
	15926.0	43.9	5.4	49.3	74.0	-24.7	Peak	Vertical
*	17337.0	43.1	7.9	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	47.5	-3.5	44.0	68.2	-24.2	Peak	Horizontal
	12152.0	47.4	-2.5	44.9	74.0	-29.1	Peak	Horizontal
	15798.5	45.1	4.0	49.1	74.0	-24.9	Peak	Horizontal
*	16946.0	43.3	7.2	50.5	68.2	-17.7	Peak	Horizontal
*	10154.5	47.9	-3.7	44.2	68.2	-24.0	Peak	Vertical
	10766.5	49.6	-3.5	46.1	74.0	-27.9	Peak	Vertical
	15807.0	44.1	4.8	48.9	74.0	-25.1	Peak	Vertical
*	16946.0	43.2	7.2	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	48.3	-3.5	44.8	68.2	-23.4	Peak	Horizontal
	11659.0	48.3	-2.6	45.7	74.0	-28.3	Peak	Horizontal
	15577.5	44.0	4.3	48.4	74.0	-25.6	Peak	Horizontal
*	17490.0	44.2	6.9	51.1	68.2	-17.1	Peak	Horizontal
*	10528.5	48.8	-3.5	45.3	68.2	-22.9	Peak	Vertical
	12313.5	47.3	-2.2	45.1	74.0	-28.9	Peak	Vertical
	15586.0	45.1	4.5	49.6	74.0	-24.4	Peak	Vertical
*	17498.5	44.4	6.7	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9959.0	47.9	-3.6	44.3	68.2	-23.9	Peak	Horizontal
	12313.5	47.8	-2.2	45.6	74.0	-28.4	Peak	Horizontal
	15926.0	44.2	5.4	49.6	74.0	-24.4	Peak	Horizontal
*	16733.5	44.4	6.4	50.8	68.2	-17.4	Peak	Horizontal
*	10137.5	47.8	-3.5	44.3	68.2	-23.9	Peak	Vertical
	12245.5	47.9	-2.6	45.4	74.0	-28.6	Peak	Vertical
	15705.0	44.6	4.0	48.7	74.0	-25.3	Peak	Vertical
*	16946.0	43.5	7.2	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10095.0	48.0	-4.0	43.9	68.2	-24.3	Peak	Horizontal
	11370.0	47.4	-2.6	44.8	74.0	-29.2	Peak	Horizontal
	15586.0	44.8	4.5	49.2	74.0	-24.8	Peak	Horizontal
*	16733.5	43.8	6.4	50.2	68.2	-18.0	Peak	Horizontal
*	9746.5	48.3	-4.1	44.2	68.2	-24.0	Peak	Vertical
	11965.0	47.4	-2.5	44.9	74.0	-29.1	Peak	Vertical
	15637.0	44.3	3.1	47.4	74.0	-26.6	Peak	Vertical
*	17252.0	43.7	7.3	51.0	68.2	-17.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10001.5	48.4	-4.1	44.3	68.2	-23.9	Peak	Horizontal
	11752.5	47.1	-2.8	44.2	74.0	-29.8	Peak	Horizontal
	15841.0	44.8	3.8	48.6	74.0	-25.4	Peak	Horizontal
*	17337.0	43.7	7.9	51.6	68.2	-16.6	Peak	Horizontal
*	10069.5	48.5	-4.2	44.3	68.2	-23.9	Peak	Vertical
	11684.5	46.9	-3.0	43.9	74.0	-30.1	Peak	Vertical
	15433.0	45.3	3.8	49.0	74.0	-25.0	Peak	Vertical
*	16929.0	43.7	7.2	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9993.0	48.8	-4.2	44.6	68.2	-23.6	Peak	Horizontal
	11914.0	47.8	-2.6	45.2	74.0	-28.8	Peak	Horizontal
	15560.5	43.0	3.8	46.8	74.0	-27.2	Peak	Horizontal
*	17226.5	44.6	6.9	51.5	68.2	-16.7	Peak	Horizontal
*	9984.5	48.5	-4.1	44.4	68.2	-23.8	Peak	Vertical
	11837.5	47.8	-2.6	45.2	74.0	-28.8	Peak	Vertical
	15909.0	44.5	4.4	48.9	74.0	-25.1	Peak	Vertical
*	16742.0	45.2	6.6	51.8	68.2	-16.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9755.0	48.4	-4.1	44.3	68.2	-23.9	Peak	Horizontal
	11557.0	47.5	-3.2	44.3	74.0	-29.7	Peak	Horizontal
	15807.0	44.3	4.8	49.1	74.0	-24.9	Peak	Horizontal
*	17235.0	44.3	7.5	51.8	68.2	-16.4	Peak	Horizontal
*	10001.5	48.1	-4.1	43.9	68.2	-24.3	Peak	Vertical
	11565.5	47.8	-3.2	44.6	74.0	-29.4	Peak	Vertical
	15569.0	45.2	4.2	49.4	74.0	-24.6	Peak	Vertical
*	17235.0	45.2	7.5	52.7	68.2	-15.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10078.0	46.8	-4.2	42.6	68.2	-25.6	Peak	Horizontal
	11514.5	47.8	-2.9	45.0	74.0	-29.0	Peak	Horizontal
	15560.5	45.0	3.8	48.7	74.0	-25.3	Peak	Horizontal
*	16946.0	43.5	7.2	50.7	68.2	-17.5	Peak	Horizontal
*	10358.5	47.4	-3.4	44.0	68.2	-24.2	Peak	Vertical
	11361.5	47.1	-2.6	44.5	74.0	-29.5	Peak	Vertical
	15603.0	45.6	3.0	48.7	74.0	-25.4	Peak	Vertical
*	17337.0	42.9	7.9	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11a – Ant 3 Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10163.0	48.4	-3.9	44.5	68.2	-23.7	Peak	Horizontal
	11650.5	48.7	-2.8	45.9	74.0	-28.1	Peak	Horizontal
	15586.0	43.5	4.5	48.0	74.0	-26.0	Peak	Horizontal
*	17481.5	45.0	6.8	51.9	68.2	-16.3	Peak	Horizontal
*	10069.5	47.9	-4.2	43.7	68.2	-24.5	Peak	Vertical
	10732.5	47.6	-3.4	44.2	74.0	-29.8	Peak	Vertical
	15535.0	45.8	3.1	49.0	74.0	-25.0	Peak	Vertical
*	16929.0	43.5	7.2	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9721.0	50.2	-4.4	45.8	68.2	-22.4	Peak	Horizontal
	11905.5	49.5	-2.5	46.9	74.0	-27.1	Peak	Horizontal
	15875.0	46.1	4.2	50.3	74.0	-23.7	Peak	Horizontal
*	16759.0	45.7	6.3	52.0	68.2	-16.2	Peak	Horizontal
*	10154.5	50.2	-3.7	46.5	68.2	-21.7	Peak	Vertical
	11106.5	49.5	-3.3	46.2	74.0	-27.8	Peak	Vertical
	15586.0	45.2	4.5	49.7	74.0	-24.3	Peak	Vertical
*	16776.0	46.3	5.9	52.2	68.2	-16.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10180.0	50.3	-4.1	46.3	68.2	-21.9	Peak	Horizontal
	12296.5	49.1	-2.3	46.8	74.0	-27.2	Peak	Horizontal
	13962.5	48.1	0.6	48.6	68.2	-19.6	Peak	Horizontal
*	15560.5	45.9	3.8	49.7	74.0	-24.3	Peak	Horizontal
*	10375.5	47.7	-3.5	44.2	68.2	-24.0	Peak	Vertical
	12092.5	47.1	-2.3	44.8	74.0	-29.2	Peak	Vertical
	14141.0	45.3	1.7	47.0	68.2	-21.2	Peak	Vertical
*	15917.5	44.0	4.9	49.0	74.0	-25.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	11846.0	47.9	-2.5	45.5	74.0	-28.6	Peak	Horizontal
	13019.0	46.8	-1.0	45.7	68.2	-22.5	Peak	Horizontal
	13869.0	46.2	1.1	47.2	68.2	-21.0	Peak	Horizontal
*	15577.5	43.8	4.3	48.2	74.0	-25.8	Peak	Horizontal
*	9959.0	47.5	-3.6	43.9	68.2	-24.3	Peak	Vertical
	12449.5	47.4	-2.1	45.2	74.0	-28.8	Peak	Vertical
	14124.0	45.7	1.2	46.9	68.2	-21.3	Peak	Vertical
*	15713.5	44.5	3.9	48.3	74.0	-25.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11472.0	46.9	-2.8	44.2	74.0	-29.8	Peak	Horizontal
*	12874.5	47.0	-1.6	45.4	68.2	-22.8	Peak	Horizontal
*	13860.5	45.9	0.6	46.5	68.2	-21.7	Peak	Horizontal
	15560.5	44.2	3.8	48.0	74.0	-26.0	Peak	Horizontal
	11616.5	46.7	-3.2	43.5	74.0	-30.5	Peak	Vertical
*	14234.5	45.9	0.5	46.4	68.2	-21.8	Peak	Vertical
*	14991.0	44.7	3.3	47.9	68.2	-20.3	Peak	Vertical
	15798.5	43.9	4.0	47.9	74.0	-26.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11693.0	48.0	-2.6	45.4	74.0	-28.6	Peak	Horizontal
*	13767.0	45.3	0.8	46.1	68.2	-22.1	Peak	Horizontal
*	14889.0	44.6	2.8	47.4	68.2	-20.8	Peak	Horizontal
	15926.0	43.5	5.4	48.9	74.0	-25.1	Peak	Horizontal
	11616.5	47.1	-3.2	43.9	74.0	-30.1	Peak	Vertical
*	13741.5	45.9	0.4	46.3	68.2	-21.9	Peak	Vertical
*	14863.5	45.1	2.6	47.7	68.2	-20.5	Peak	Vertical
	15926.0	43.8	5.4	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11880.0	47.7	-2.7	45.0	74.0	-29.0	Peak	Horizontal
*	13869.0	45.4	1.1	46.5	68.2	-21.7	Peak	Horizontal
*	14965.5	44.6	2.8	47.3	68.2	-20.9	Peak	Horizontal
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Horizontal
	11897.0	47.8	-2.5	45.3	74.0	-28.7	Peak	Vertical
*	13877.5	46.7	0.7	47.4	68.2	-20.8	Peak	Vertical
	15577.5	43.7	4.3	48.0	74.0	-26.0	Peak	Vertical
*	16640.0	44.7	6.4	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11480.5	47.3	-2.9	44.4	74.0	-29.6	Peak	Horizontal
*	13801.0	46.3	0.0	46.3	68.2	-21.9	Peak	Horizontal
*	14736.0	44.9	2.7	47.6	68.2	-20.6	Peak	Horizontal
	15807.0	43.9	4.8	48.6	74.0	-25.4	Peak	Horizontal
	12135.0	47.0	-2.7	44.3	74.0	-29.7	Peak	Vertical
*	13767.0	45.6	0.8	46.4	68.2	-21.8	Peak	Vertical
*	14753.0	46.2	2.9	49.0	68.2	-19.2	Peak	Vertical
	15926.0	43.3	5.4	48.7	74.0	-25.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11888.5	47.6	-2.6	45.0	74.0	-29.0	Peak	Horizontal
*	14736.0	45.4	2.7	48.1	68.2	-20.1	Peak	Horizontal
	15484.0	44.3	3.8	48.1	74.0	-25.9	Peak	Horizontal
*	16521.0	43.9	5.5	49.3	68.2	-18.9	Peak	Horizontal
	11939.5	47.3	-2.4	44.9	74.0	-29.1	Peak	Vertical
*	14736.0	44.9	2.7	47.6	68.2	-20.6	Peak	Vertical
	15807.0	43.9	4.8	48.6	74.0	-25.4	Peak	Vertical
*	16937.5	43.7	7.2	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11217.0	47.7	-3.1	44.6	74.0	-29.4	Peak	Horizontal
*	14974.0	44.6	3.2	47.8	68.2	-20.4	Peak	Horizontal
	15705.0	44.2	4.0	48.3	74.0	-25.7	Peak	Horizontal
*	16929.0	43.1	7.2	50.3	68.2	-17.9	Peak	Horizontal
	11684.5	47.0	-3.0	44.1	74.0	-29.9	Peak	Vertical
*	13733.0	46.0	0.6	46.6	68.2	-21.6	Peak	Vertical
*	14413.0	46.1	1.6	47.6	68.2	-20.6	Peak	Vertical
	15807.0	44.5	4.8	49.2	74.0	-24.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11888.5	47.5	-2.6	44.9	74.0	-29.1	Peak	Horizontal
*	13869.0	45.6	1.1	46.7	68.2	-21.5	Peak	Horizontal
*	14744.5	45.3	2.8	48.0	68.2	-20.2	Peak	Horizontal
	15926.0	43.5	5.4	48.9	74.0	-25.1	Peak	Horizontal
	11812.0	47.3	-2.6	44.8	74.0	-29.2	Peak	Vertical
*	13869.0	46.6	1.1	47.7	68.2	-20.5	Peak	Vertical
*	15067.5	45.2	2.5	47.7	68.2	-20.5	Peak	Vertical
	15569.0	44.6	4.2	48.8	74.0	-25.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11463.5	48.9	-3.1	45.8	74.0	-28.2	Peak	Horizontal
*	13767.0	46.5	0.8	47.3	68.2	-20.9	Peak	Horizontal
	15586.0	44.4	4.5	48.9	74.0	-25.1	Peak	Horizontal
*	16929.0	44.8	7.2	52.0	68.2	-16.2	Peak	Horizontal
	12228.5	47.0	-2.4	44.6	74.0	-29.4	Peak	Vertical
*	13750.0	46.0	0.2	46.2	68.2	-22.0	Peak	Vertical
	15926.0	43.4	5.4	48.8	74.0	-25.2	Peak	Vertical
*	16631.5	44.3	6.0	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11497.5	49.2	-2.9	46.3	74.0	-27.7	Peak	Horizontal
*	14141.0	45.7	1.7	47.4	68.2	-20.8	Peak	Horizontal
	15815.5	45.1	4.0	49.2	74.0	-24.8	Peak	Horizontal
*	17235.0	46.6	7.5	54.1	68.2	-14.1	Peak	Horizontal
	11489.0	50.6	-3.0	47.6	74.0	-26.4	Peak	Vertical
*	14982.5	44.7	3.2	47.9	68.2	-20.3	Peak	Vertical
	15569.0	44.7	4.2	49.0	74.0	-25.0	Peak	Vertical
*	17226.5	52.4	6.9	59.4	68.2	-8.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11574.0	52.6	-3.2	49.4	74.0	-24.6	Peak	Horizontal
*	14863.5	45.4	2.6	47.9	68.2	-20.3	Peak	Horizontal
	15586.0	44.1	4.5	48.6	74.0	-25.4	Peak	Horizontal
*	17354.0	47.0	6.9	54.0	68.2	-14.2	Peak	Horizontal
	11574.0	54.6	-3.2	51.4	74.0	-22.6	Peak	Vertical
	11574.0	43.7	-3.2	40.5	54.0	-13.5	Average	Vertical
*	14974.0	44.9	3.2	48.1	68.2	-20.1	Peak	Vertical
	15926.0	44.0	5.4	49.4	74.0	-24.6	Peak	Vertical
*	17354.0	46.9	6.9	53.8	68.2	-14.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT20 – Ant 0+1+2+3 Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	11650.5	49.5	-2.8	46.7	74.0	-27.3	Peak	Horizontal
*	14430.0	45.9	1.7	47.6	68.2	-20.6	Peak	Horizontal
	15577.5	44.4	4.3	48.8	74.0	-25.2	Peak	Horizontal
*	16937.5	43.3	7.2	50.5	68.2	-17.7	Peak	Horizontal
	11659.0	51.7	-2.6	49.1	74.0	-24.9	Peak	Vertical
*	14132.5	45.3	1.4	46.8	68.2	-21.4	Peak	Vertical
	15807.0	43.7	4.8	48.4	74.0	-25.6	Peak	Vertical
*	16767.5	43.8	6.1	49.9	68.2	-18.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 38
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10112.0	47.9	-3.7	44.2	68.2	-24.0	Peak	Horizontal
	11897.0	48.1	-2.5	45.7	74.0	-28.3	Peak	Horizontal
	15807.0	43.7	4.8	48.5	74.0	-25.5	Peak	Horizontal
*	17243.5	43.8	7.4	51.1	68.2	-17.1	Peak	Horizontal
*	10112.0	47.9	-3.7	44.2	68.2	-24.0	Peak	Vertical
	12220.0	47.3	-2.2	45.1	74.0	-28.9	Peak	Vertical
	15926.0	43.1	5.4	48.5	74.0	-25.5	Peak	Vertical
*	17226.5	43.8	6.9	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 46
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10103.5	48.2	-3.9	44.4	68.2	-23.8	Peak	Horizontal
	11931.0	46.9	-2.6	44.2	74.0	-29.8	Peak	Horizontal
	15628.5	45.7	3.2	48.9	74.0	-25.1	Peak	Horizontal
*	17243.5	45.2	7.4	52.6	68.2	-15.6	Peak	Horizontal
*	10205.5	48.5	-3.9	44.5	68.2	-23.7	Peak	Vertical
	10826.0	48.0	-3.6	44.4	74.0	-29.6	Peak	Vertical
	15841.0	45.0	3.8	48.8	74.0	-25.2	Peak	Vertical
*	17141.5	44.1	6.6	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 54
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10154.5	48.0	-3.7	44.3	68.2	-23.9	Peak	Horizontal
	11557.0	47.5	-3.2	44.4	74.0	-29.6	Peak	Horizontal
	15807.0	44.0	4.8	48.8	74.0	-25.2	Peak	Horizontal
*	17133.0	43.9	6.7	50.6	68.2	-17.6	Peak	Horizontal
*	10537.0	48.6	-3.2	45.4	68.2	-22.8	Peak	Vertical
	11939.5	47.1	-2.4	44.7	74.0	-29.3	Peak	Vertical
	15934.5	44.0	4.4	48.4	74.0	-25.6	Peak	Vertical
*	16733.5	44.2	6.4	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 62
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10129.0	47.7	-3.5	44.2	68.2	-24.0	Peak	Horizontal
	11013.0	47.8	-3.5	44.3	74.0	-29.7	Peak	Horizontal
	15926.0	42.9	5.4	48.4	74.0	-25.6	Peak	Horizontal
*	17124.5	44.2	6.6	50.8	68.2	-17.4	Peak	Horizontal
*	10528.5	47.7	-3.5	44.3	68.2	-23.9	Peak	Vertical
	12143.5	47.5	-2.6	44.9	74.0	-29.1	Peak	Vertical
	15917.5	44.0	4.9	48.9	74.0	-25.1	Peak	Vertical
*	16742.0	43.9	6.6	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 102
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	47.6	-3.5	44.1	68.2	-24.1	Peak	Horizontal
	11939.5	48.1	-2.4	45.7	74.0	-28.3	Peak	Horizontal
	15560.5	44.6	3.8	48.3	74.0	-25.7	Peak	Horizontal
*	16640.0	44.7	6.4	51.0	68.2	-17.2	Peak	Horizontal
*	9891.0	48.5	-4.0	44.5	68.2	-23.7	Peak	Vertical
	11888.5	47.1	-2.6	44.6	74.0	-29.4	Peak	Vertical
	15917.5	43.7	4.9	48.7	74.0	-25.3	Peak	Vertical
*	16657.0	45.0	5.6	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 110
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10350.0	48.2	-3.4	44.7	68.2	-23.5	Peak	Horizontal
	11863.0	47.5	-2.8	44.6	74.0	-29.4	Peak	Horizontal
	15577.5	43.8	4.3	48.2	74.0	-25.8	Peak	Horizontal
*	16929.0	44.4	7.2	51.6	68.2	-16.6	Peak	Horizontal
*	10120.5	47.5	-3.6	43.8	68.2	-24.4	Peak	Vertical
	11744.0	46.8	-2.8	44.1	74.0	-29.9	Peak	Vertical
	15917.5	43.5	4.9	48.4	74.0	-25.6	Peak	Vertical
*	17252.0	43.4	7.3	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 118
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10112.0	47.7	-3.7	44.0	68.2	-24.2	Peak	Horizontal
	12220.0	46.9	-2.2	44.8	74.0	-29.2	Peak	Horizontal
	15926.0	43.8	5.4	49.2	74.0	-24.8	Peak	Horizontal
*	17371.0	44.3	6.9	51.2	68.2	-17.0	Peak	Horizontal
*	10154.5	47.3	-3.7	43.6	68.2	-24.6	Peak	Vertical
	12356.0	46.5	-2.1	44.4	74.0	-29.6	Peak	Vertical
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Vertical
*	17337.0	42.8	7.9	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9721.0	48.4	-4.4	44.1	68.2	-24.1	Peak	Horizontal
	11650.5	47.1	-2.8	44.2	74.0	-29.8	Peak	Horizontal
	15577.5	43.6	4.3	48.0	74.0	-26.0	Peak	Horizontal
*	17031.0	45.6	5.8	51.4	68.2	-16.8	Peak	Horizontal
*	10163.0	48.1	-3.9	44.2	68.2	-24.0	Peak	Vertical
	11948.0	46.9	-2.2	44.7	74.0	-29.3	Peak	Vertical
	15569.0	44.7	4.2	48.9	74.0	-25.1	Peak	Vertical
*	16750.5	44.2	6.5	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 142
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10154.5	47.7	-3.7	44.0	68.2	-24.2	Peak	Horizontal
	11727.0	46.9	-2.4	44.5	74.0	-29.5	Peak	Horizontal
	15577.5	44.4	4.3	48.8	74.0	-25.2	Peak	Horizontal
*	17345.5	43.4	7.4	50.8	68.2	-17.4	Peak	Horizontal
*	9755.0	47.8	-4.1	43.7	68.2	-24.5	Peak	Vertical
	12339.0	47.1	-2.2	44.9	74.0	-29.1	Peak	Vertical
	15577.5	44.4	4.3	48.8	74.0	-25.2	Peak	Vertical
*	17133.0	43.8	6.7	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10061.0	49.1	-4.2	44.9	68.2	-23.3	Peak	Horizontal
	11497.5	51.3	-2.9	48.4	74.0	-25.6	Peak	Horizontal
	15586.0	43.8	4.5	48.3	74.0	-25.7	Peak	Horizontal
*	17226.5	53.7	6.9	60.6	68.2	-7.6	Peak	Horizontal
*	10137.5	48.3	-3.5	44.7	68.2	-23.5	Peak	Vertical
	11489.0	48.6	-3.0	45.6	74.0	-28.4	Peak	Vertical
	15807.0	43.8	4.8	48.6	74.0	-25.4	Peak	Vertical
*	17226.5	52.5	6.9	59.5	68.2	-8.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11n-HT40 – Ant 0+1+2+3 Channel 159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10163.0	47.7	-3.9	43.8	68.2	-24.4	Peak	Horizontal
	11591.0	54.3	-3.3	50.9	74.0	-23.1	Peak	Horizontal
	11591.0	42.4	-3.3	39.1	54.0	-14.9	Average	Horizontal
	15917.5	43.9	4.9	48.8	74.0	-25.2	Peak	Horizontal
*	17388.0	47.1	6.5	53.6	68.2	-14.6	Peak	Horizontal
*	9967.5	48.1	-3.9	44.3	68.2	-23.9	Peak	Vertical
	11591.0	54.2	-3.3	50.9	74.0	-23.1	Peak	Vertical
	11591.0	43.2	-3.3	39.9	54.0	-14.1	Average	Vertical
	15526.5	45.3	2.9	48.2	74.0	-25.8	Peak	Vertical
*	17379.5	50.2	6.7	56.9	68.2	-11.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 36
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10154.5	48.0	-3.7	44.3	68.2	-23.9	Peak	Horizontal
	11803.5	48.1	-2.9	45.2	74.0	-28.8	Peak	Horizontal
	15926.0	44.5	5.4	49.9	74.0	-24.1	Peak	Horizontal
*	17362.5	44.3	6.9	51.2	68.2	-17.0	Peak	Horizontal
*	10154.5	48.9	-3.7	45.2	68.2	-23.0	Peak	Vertical
	12084.0	46.8	-2.2	44.6	74.0	-29.4	Peak	Vertical
	15586.0	43.6	4.5	48.0	74.0	-26.0	Peak	Vertical
*	16920.5	43.8	6.4	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 44
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10180.0	48.5	-4.1	44.5	68.2	-23.7	Peak	Horizontal
	12211.5	47.3	-2.3	45.0	74.0	-29.0	Peak	Horizontal
	15926.0	43.4	5.4	48.8	74.0	-25.2	Peak	Horizontal
*	17031.0	45.0	5.8	50.8	68.2	-17.4	Peak	Horizontal
*	10154.5	48.1	-3.7	44.4	68.2	-23.8	Peak	Vertical
	11514.5	47.4	-2.9	44.5	74.0	-29.5	Peak	Vertical
	15560.5	43.0	3.8	46.8	74.0	-27.2	Peak	Vertical
*	16334.0	45.2	4.8	49.9	68.2	-18.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 48
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	48.4	-3.5	44.9	68.2	-23.3	Peak	Horizontal
	12126.5	47.3	-2.8	44.6	74.0	-29.4	Peak	Horizontal
	15917.5	43.8	4.9	48.7	74.0	-25.3	Peak	Horizontal
*	17014.0	44.5	5.9	50.4	68.2	-17.8	Peak	Horizontal
*	9959.0	47.2	-3.6	43.6	68.2	-24.6	Peak	Vertical
	11820.5	47.2	-2.6	44.6	74.0	-29.4	Peak	Vertical
	15807.0	44.8	4.8	49.5	74.0	-24.5	Peak	Vertical
*	16640.0	44.2	6.4	50.6	68.2	-17.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 52
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	46.6	-3.5	43.0	68.2	-25.2	Peak	Horizontal
	11854.5	46.2	-2.7	43.5	74.0	-30.5	Peak	Horizontal
	15807.0	43.1	4.8	47.9	74.0	-26.1	Peak	Horizontal
*	16937.5	43.0	7.2	50.2	68.2	-18.0	Peak	Horizontal
*	10154.5	46.9	-3.7	43.2	68.2	-25.0	Peak	Vertical
	12092.5	46.1	-2.3	43.8	74.0	-30.2	Peak	Vertical
	15577.5	43.0	4.3	47.3	74.0	-26.7	Peak	Vertical
*	16920.5	43.9	6.4	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 60
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10384.0	46.8	-3.5	43.3	68.2	-24.9	Peak	Horizontal
	11565.5	46.8	-3.2	43.6	74.0	-30.4	Peak	Horizontal
	15696.5	44.4	4.0	48.3	74.0	-25.7	Peak	Horizontal
*	17226.5	43.2	6.9	50.1	68.2	-18.1	Peak	Horizontal
*	10528.5	46.2	-3.5	42.7	68.2	-25.5	Peak	Vertical
	11939.5	46.1	-2.4	43.6	74.0	-30.4	Peak	Vertical
	15688.0	44.3	3.9	48.2	74.0	-25.8	Peak	Vertical
*	17566.5	43.2	7.2	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 64
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10358.5	47.6	-3.4	44.2	68.2	-24.0	Peak	Horizontal
	11846.0	46.2	-2.5	43.8	74.0	-30.2	Peak	Horizontal
	15696.5	44.3	4.0	48.2	74.0	-25.8	Peak	Horizontal
*	17260.5	42.8	7.1	50.0	68.2	-18.2	Peak	Horizontal
*	10333.0	47.4	-4.6	42.9	68.2	-25.3	Peak	Vertical
	11990.5	46.2	-2.7	43.5	74.0	-30.5	Peak	Vertical
	15807.0	43.1	4.8	47.9	74.0	-26.1	Peak	Vertical
*	17337.0	42.2	7.9	50.1	68.2	-18.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 100
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	46.1	-3.5	42.5	68.2	-25.7	Peak	Horizontal
	11149.0	47.4	-3.3	44.1	74.0	-29.9	Peak	Horizontal
	15807.0	43.1	4.8	47.9	74.0	-26.1	Peak	Horizontal
*	17337.0	41.8	7.9	49.7	68.2	-18.5	Peak	Horizontal
*	10197.0	47.1	-3.9	43.2	68.2	-25.0	Peak	Vertical
	11735.5	46.0	-2.6	43.4	74.0	-30.6	Peak	Vertical
	15586.0	42.5	4.5	47.0	74.0	-27.0	Peak	Vertical
*	16929.0	42.4	7.2	49.6	68.2	-18.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 116
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9644.5	46.8	-4.4	42.5	68.2	-25.7	Peak	Horizontal
	11727.0	46.1	-2.4	43.7	74.0	-30.3	Peak	Horizontal
	15917.5	42.2	4.9	47.1	74.0	-26.9	Peak	Horizontal
*	17235.0	42.0	7.5	49.4	68.2	-18.8	Peak	Horizontal
*	10367.0	46.6	-3.4	43.2	68.2	-25.0	Peak	Vertical
	12262.5	45.3	-2.3	43.0	74.0	-31.0	Peak	Vertical
	15926.0	42.0	5.4	47.4	74.0	-26.6	Peak	Vertical
*	16733.5	43.5	6.4	49.9	68.2	-18.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 120
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10205.5	47.3	-3.9	43.4	68.2	-24.8	Peak	Horizontal
	12432.5	46.0	-2.2	43.8	74.0	-30.2	Peak	Horizontal
	15798.5	42.9	4.0	47.0	74.0	-27.0	Peak	Horizontal
*	17345.5	42.8	7.4	50.3	68.2	-17.9	Peak	Horizontal
*	9993.0	47.2	-4.2	43.0	68.2	-25.2	Peak	Vertical
	11837.5	46.1	-2.6	43.5	74.0	-30.5	Peak	Vertical
	15713.5	44.2	3.9	48.1	74.0	-25.9	Peak	Vertical
*	17337.0	42.3	7.9	50.2	68.2	-18.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 140
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10001.5	47.3	-4.1	43.1	68.2	-25.1	Peak	Horizontal
	12500.5	47.5	-1.9	45.6	74.0	-28.4	Peak	Horizontal
	15705.0	43.7	4.0	47.7	74.0	-26.3	Peak	Horizontal
*	17235.0	42.4	7.5	49.8	68.2	-18.4	Peak	Horizontal
*	10146.0	46.8	-3.5	43.2	68.2	-25.0	Peak	Vertical
	11820.5	46.5	-2.6	43.9	74.0	-30.1	Peak	Vertical
	15807.0	43.3	4.8	48.1	74.0	-25.9	Peak	Vertical
*	17107.5	44.1	6.6	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 144
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10112.0	47.8	-3.7	44.1	68.2	-24.1	Peak	Horizontal
	11574.0	47.2	-3.2	44.0	74.0	-30.0	Peak	Horizontal
	15739.0	45.1	3.3	48.5	74.0	-25.5	Peak	Horizontal
*	17243.5	43.4	7.4	50.8	68.2	-17.4	Peak	Horizontal
*	10528.5	47.5	-3.5	44.0	68.2	-24.2	Peak	Vertical
	11234.0	46.7	-3.0	43.7	74.0	-30.3	Peak	Vertical
	15926.0	42.8	5.4	48.2	74.0	-25.8	Peak	Vertical
*	17337.0	42.7	7.9	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 149
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9738.0	47.1	-4.1	43.0	68.2	-25.2	Peak	Horizontal
	11497.5	49.0	-2.9	46.1	74.0	-27.9	Peak	Horizontal
	15688.0	44.2	3.9	48.0	74.0	-26.0	Peak	Horizontal
*	17226.5	47.0	6.9	53.9	68.2	-14.3	Peak	Horizontal
*	10452.0	47.0	-3.7	43.3	68.2	-24.9	Peak	Vertical
	11480.5	47.9	-2.9	45.1	74.0	-28.9	Peak	Vertical
	15577.5	44.2	4.3	48.5	74.0	-25.5	Peak	Vertical
*	17218.0	48.5	6.4	54.9	68.2	-13.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 157
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9772.0	48.3	-4.2	44.1	68.2	-24.1	Peak	Horizontal
	11565.5	51.2	-3.2	48.0	74.0	-26.0	Peak	Horizontal
	15926.0	42.7	5.4	48.1	74.0	-25.9	Peak	Horizontal
*	17354.0	44.9	6.9	51.9	68.2	-16.3	Peak	Horizontal
*	10129.0	46.5	-3.5	43.0	68.2	-25.2	Peak	Vertical
	11574.0	53.5	-3.2	50.3	74.0	-23.7	Peak	Vertical
	11574.0	42.1	-3.2	38.9	54.0	-15.1	Average	Vertical
	15807.0	42.9	4.8	47.7	74.0	-26.3	Peak	Vertical
*	17354.0	47.3	6.9	54.2	68.2	-14.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/13	Test Mode	802.11ac-VHT20 – Ant 0+1+2+3 Channel 165
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	46.9	-3.5	43.3	68.2	-24.9	Peak	Horizontal
	11650.5	53.6	-2.8	50.7	74.0	-23.3	Peak	Horizontal
	11650.5	41.5	-2.8	38.7	54.0	-15.3	Average	Horizontal
	15688.0	44.4	3.9	48.2	74.0	-25.8	Peak	Horizontal
*	17473.0	47.4	6.7	54.2	68.2	-14.0	Peak	Horizontal
*	10154.5	47.8	-3.7	44.0	68.2	-24.2	Peak	Vertical
	11659.0	51.2	-2.6	48.6	74.0	-25.4	Peak	Vertical
	15586.0	43.9	4.5	48.3	74.0	-25.7	Peak	Vertical
*	17464.5	49.4	6.4	55.8	68.2	-12.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 38
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10146.0	47.2	-3.5	43.6	68.2	-24.6	Peak	Horizontal
	11939.5	46.4	-2.4	44.0	74.0	-30.0	Peak	Horizontal
	16011.0	44.3	3.8	48.0	74.0	-26.0	Peak	Horizontal
*	16759.0	43.9	6.3	50.2	68.2	-18.0	Peak	Horizontal
*	9738.0	47.4	-4.1	43.3	68.2	-24.9	Peak	Vertical
	11931.0	46.2	-2.6	43.6	74.0	-30.4	Peak	Vertical
	15705.0	43.6	4.0	47.7	74.0	-26.3	Peak	Vertical
*	16844.0	44.3	6.3	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 46
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10154.5	48.4	-3.7	44.7	68.2	-23.5	Peak	Horizontal
	11293.5	47.2	-3.2	43.9	74.0	-30.1	Peak	Horizontal
	15713.5	44.4	3.9	48.3	74.0	-25.7	Peak	Horizontal
*	17073.5	44.5	6.1	50.6	68.2	-17.6	Peak	Horizontal
*	9891.0	47.5	-4.0	43.5	68.2	-24.7	Peak	Vertical
	12211.5	46.6	-2.3	44.3	74.0	-29.7	Peak	Vertical
	15577.5	43.6	4.3	48.0	74.0	-26.0	Peak	Vertical
*	17099.0	44.0	6.7	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 54
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10112.0	47.3	-3.7	43.6	68.2	-24.6	Peak	Horizontal
	11761.0	46.6	-2.9	43.7	74.0	-30.3	Peak	Horizontal
	15807.0	43.4	4.8	48.2	74.0	-25.8	Peak	Horizontal
*	16750.5	43.6	6.5	50.1	68.2	-18.1	Peak	Horizontal
*	10112.0	47.2	-3.7	43.5	68.2	-24.7	Peak	Vertical
	11795.0	47.1	-3.2	43.9	74.0	-30.1	Peak	Vertical
	15705.0	44.3	4.0	48.3	74.0	-25.7	Peak	Vertical
*	16733.5	44.5	6.4	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 62
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10010.0	47.3	-4.1	43.2	68.2	-25.0	Peak	Horizontal
	12024.5	47.6	-3.0	44.7	74.0	-29.3	Peak	Horizontal
	15722.0	45.6	3.7	49.3	74.0	-24.7	Peak	Horizontal
*	16742.0	44.0	6.6	50.6	68.2	-17.6	Peak	Horizontal
*	9984.5	47.2	-4.1	43.1	68.2	-25.1	Peak	Vertical
	12271.0	46.5	-2.2	44.3	74.0	-29.7	Peak	Vertical
	15926.0	43.1	5.4	48.6	74.0	-25.4	Peak	Vertical
*	16946.0	43.8	7.2	51.0	68.2	-17.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 102
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10214.0	47.8	-4.0	43.8	68.2	-24.4	Peak	Horizontal
	11948.0	46.8	-2.2	44.6	74.0	-29.4	Peak	Horizontal
	15560.5	43.5	3.8	47.2	74.0	-26.8	Peak	Horizontal
*	17226.5	43.6	6.9	50.6	68.2	-17.6	Peak	Horizontal
*	10163.0	47.2	-3.9	43.3	68.2	-24.9	Peak	Vertical
	11370.0	46.6	-2.6	44.0	74.0	-30.0	Peak	Vertical
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Vertical
*	16631.5	44.3	6.0	50.3	68.2	-17.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 110
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	47.4	-3.5	43.8	68.2	-24.4	Peak	Horizontal
	11480.5	46.8	-2.9	43.9	74.0	-30.1	Peak	Horizontal
	15560.5	45.2	3.8	49.0	74.0	-25.0	Peak	Horizontal
*	16750.5	43.6	6.5	50.1	68.2	-18.1	Peak	Horizontal
*	10545.5	47.9	-3.5	44.5	68.2	-23.7	Peak	Vertical
	12517.5	45.9	-1.9	44.0	74.0	-30.0	Peak	Vertical
	15586.0	43.9	4.5	48.4	74.0	-25.6	Peak	Vertical
*	17575.0	43.4	7.1	50.5	68.2	-17.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 118
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10350.0	46.7	-3.4	43.3	68.2	-24.9	Peak	Horizontal
	12339.0	46.6	-2.2	44.4	74.0	-29.6	Peak	Horizontal
	15560.5	43.3	3.8	47.0	74.0	-27.0	Peak	Horizontal
*	16937.5	43.3	7.2	50.5	68.2	-17.7	Peak	Horizontal
*	9865.5	47.6	-4.7	43.0	68.2	-25.2	Peak	Vertical
	11659.0	46.3	-2.6	43.7	74.0	-30.3	Peak	Vertical
	15586.0	43.5	4.5	48.0	74.0	-26.0	Peak	Vertical
*	16640.0	44.6	6.4	51.0	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9959.0	47.4	-3.6	43.7	68.2	-24.5	Peak	Horizontal
	11948.0	46.5	-2.2	44.3	74.0	-29.7	Peak	Horizontal
	15926.0	44.0	5.4	49.4	74.0	-24.6	Peak	Horizontal
*	17337.0	44.2	7.9	52.1	68.2	-16.1	Peak	Horizontal
*	9899.5	47.2	-3.9	43.3	68.2	-24.9	Peak	Vertical
	12101.0	47.1	-2.4	44.7	74.0	-29.3	Peak	Vertical
	15926.0	43.4	5.4	48.8	74.0	-25.2	Peak	Vertical
*	16538.0	43.8	6.2	50.0	68.2	-18.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 142
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9738.0	47.3	-4.1	43.2	68.2	-25.0	Peak	Horizontal
	11659.0	46.5	-2.6	43.9	74.0	-30.1	Peak	Horizontal
	15926.0	42.9	5.4	48.3	74.0	-25.7	Peak	Horizontal
*	16937.5	42.6	7.2	49.8	68.2	-18.4	Peak	Horizontal
*	10086.5	47.6	-4.1	43.4	68.2	-24.8	Peak	Vertical
	11922.5	46.9	-2.6	44.3	74.0	-29.7	Peak	Vertical
	15569.0	43.9	4.2	48.1	74.0	-25.9	Peak	Vertical
*	17235.0	43.4	7.5	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10137.5	47.4	-3.5	43.8	68.2	-24.4	Peak	Horizontal
	11497.5	49.0	-2.9	46.1	74.0	-27.9	Peak	Horizontal
	15926.0	43.2	5.4	48.7	74.0	-25.3	Peak	Horizontal
*	17235.0	49.8	7.5	57.3	68.2	-10.9	Peak	Horizontal
*	10290.5	47.7	-4.6	43.1	68.2	-25.1	Peak	Vertical
	11489.0	51.3	-3.0	48.3	74.0	-25.7	Peak	Vertical
	15892.0	44.8	3.5	48.3	74.0	-25.7	Peak	Vertical
*	17226.5	53.9	6.9	60.8	68.2	-7.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT40 – Ant 0+1+2+3 Channel 159
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10069.5	48.2	-4.2	44.0	68.2	-24.2	Peak	Horizontal
	11574.0	52.2	-3.2	49.0	74.0	-25.0	Peak	Horizontal
	15586.0	44.4	4.5	48.9	74.0	-25.1	Peak	Horizontal
*	17345.5	45.7	7.4	53.2	68.2	-15.0	Peak	Horizontal
*	10537.0	47.4	-3.2	44.1	68.2	-24.1	Peak	Vertical
	11574.0	54.9	-3.2	51.7	74.0	-22.3	Peak	Vertical
	11574.0	45.0	-3.2	41.8	54.0	-12.2	Average	Vertical
	15586.0	43.8	4.5	48.3	74.0	-25.7	Peak	Vertical
*	17345.5	46.5	7.4	54.0	68.2	-14.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80 – Ant 0+1+2+3 Channel 42
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10001.5	47.9	-4.1	43.7	68.2	-24.5	Peak	Horizontal
	12143.5	47.4	-2.6	44.7	74.0	-29.3	Peak	Horizontal
	15807.0	43.5	4.8	48.2	74.0	-25.8	Peak	Horizontal
*	17235.0	43.3	7.5	50.7	68.2	-17.5	Peak	Horizontal
*	9959.0	47.1	-3.6	43.5	68.2	-24.7	Peak	Vertical
	11106.5	48.1	-3.3	44.8	74.0	-29.2	Peak	Vertical
	15577.5	44.1	4.3	48.5	74.0	-25.5	Peak	Vertical
*	16733.5	43.5	6.4	49.9	68.2	-18.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80 – Ant 0+1+2+3 Channel 58
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10095.0	48.3	-4.0	44.3	68.2	-23.9	Peak	Horizontal
	11710.0	47.0	-2.7	44.3	74.0	-29.7	Peak	Horizontal
	15917.5	44.3	4.9	49.2	74.0	-24.8	Peak	Horizontal
*	17558.0	44.6	7.2	51.8	68.2	-16.4	Peak	Horizontal
*	10511.5	47.1	-3.5	43.6	68.2	-24.6	Peak	Vertical
	11650.5	47.2	-2.8	44.3	74.0	-29.7	Peak	Vertical
	15926.0	43.8	5.4	49.2	74.0	-24.8	Peak	Vertical
*	17328.5	43.9	6.8	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80 – Ant 0+1+2+3 Channel 106
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10095.0	47.4	-4.0	43.4	68.2	-24.8	Peak	Horizontal
	12330.5	47.2	-2.2	45.0	74.0	-29.0	Peak	Horizontal
	15543.5	44.9	3.2	48.1	74.0	-25.9	Peak	Horizontal
*	16640.0	44.3	6.4	50.7	68.2	-17.5	Peak	Horizontal
*	10103.5	47.2	-3.9	43.3	68.2	-24.9	Peak	Vertical
	12194.5	46.4	-2.4	44.0	74.0	-30.0	Peak	Vertical
	15705.0	44.5	4.0	48.5	74.0	-25.5	Peak	Vertical
*	16946.0	44.1	7.2	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80 – Ant 0+1+2+3 Channel 122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10120.5	46.9	-3.6	43.3	68.2	-24.9	Peak	Horizontal
	11931.0	46.5	-2.6	43.9	74.0	-30.1	Peak	Horizontal
	15586.0	43.3	4.5	47.7	74.0	-26.3	Peak	Horizontal
*	17124.5	44.9	6.6	51.5	68.2	-16.7	Peak	Horizontal
*	10120.5	47.0	-3.6	43.4	68.2	-24.8	Peak	Vertical
	11106.5	48.0	-3.3	44.6	74.0	-29.4	Peak	Vertical
	16130.0	43.8	5.1	48.9	74.0	-25.1	Peak	Vertical
*	16742.0	44.3	6.6	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80 – Ant 0+1+2+3 Channel 138
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10129.0	46.8	-3.5	43.3	68.2	-24.9	Peak	Horizontal
	11684.5	46.6	-3.0	43.6	74.0	-30.4	Peak	Horizontal
	15815.5	44.6	4.0	48.6	74.0	-25.4	Peak	Horizontal
*	16946.0	43.6	7.2	50.8	68.2	-17.4	Peak	Horizontal
*	10129.0	48.2	-3.5	44.7	68.2	-23.5	Peak	Vertical
	11914.0	46.9	-2.6	44.3	74.0	-29.7	Peak	Vertical
	15815.5	44.3	4.0	48.3	74.0	-25.7	Peak	Vertical
*	17337.0	43.3	7.9	51.2	68.2	-17.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80 – Ant 0+1+2+3 Channel 155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	47.7	-3.9	43.8	68.2	-24.4	Peak	Horizontal
	12169.0	47.0	-2.2	44.8	74.0	-29.2	Peak	Horizontal
	15679.5	44.6	3.6	48.3	74.0	-25.7	Peak	Horizontal
*	17235.0	44.4	7.5	51.9	68.2	-16.3	Peak	Horizontal
*	10146.0	47.8	-3.5	44.3	68.2	-23.9	Peak	Vertical
	12517.5	46.9	-1.9	45.1	74.0	-28.9	Peak	Vertical
	15577.5	44.0	4.3	48.4	74.0	-25.6	Peak	Vertical
*	17235.0	43.0	7.5	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+106
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9899.5	47.6	-3.9	43.7	68.2	-24.5	Peak	Horizontal
	11718.5	46.8	-2.6	44.2	74.0	-29.8	Peak	Horizontal
	15577.5	44.4	4.3	48.8	74.0	-25.2	Peak	Horizontal
*	17235.0	43.4	7.5	50.8	68.2	-17.4	Peak	Horizontal
*	9738.0	49.2	-4.1	45.1	68.2	-23.1	Peak	Vertical
	12160.5	47.1	-2.4	44.8	74.0	-29.2	Peak	Vertical
	15807.0	43.4	4.8	48.1	74.0	-25.9	Peak	Vertical
*	16937.5	43.5	7.2	50.7	68.2	-17.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10010.0	47.5	-4.1	43.4	68.2	-24.8	Peak	Horizontal
	11659.0	46.4	-2.6	43.8	74.0	-30.2	Peak	Horizontal
	15798.5	44.7	4.0	48.7	74.0	-25.3	Peak	Horizontal
*	17345.5	43.3	7.4	50.8	68.2	-17.4	Peak	Horizontal
*	10129.0	47.1	-3.5	43.6	68.2	-24.6	Peak	Vertical
	11149.0	47.6	-3.3	44.3	74.0	-29.7	Peak	Vertical
	15926.0	44.4	5.4	49.8	74.0	-24.2	Peak	Vertical
*	17337.0	42.9	7.9	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+134
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9967.5	47.6	-3.9	43.8	68.2	-24.4	Peak	Horizontal
	12143.5	47.0	-2.6	44.4	74.0	-29.6	Peak	Horizontal
	15586.0	43.8	4.5	48.3	74.0	-25.7	Peak	Horizontal
*	16937.5	43.5	7.2	50.7	68.2	-17.5	Peak	Horizontal
*	9959.0	47.6	-3.6	44.0	68.2	-24.2	Peak	Vertical
	11693.0	46.5	-2.6	43.9	74.0	-30.1	Peak	Vertical
	15807.0	43.6	4.8	48.4	74.0	-25.6	Peak	Vertical
*	17337.0	42.9	7.9	50.9	68.2	-17.3	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 42+155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9984.5	47.8	-4.1	43.6	68.2	-24.6	Peak	Horizontal
	11820.5	47.2	-2.6	44.6	74.0	-29.4	Peak	Horizontal
	15586.0	44.3	4.5	48.7	74.0	-25.3	Peak	Horizontal
*	17243.5	43.5	7.4	50.8	68.2	-17.4	Peak	Horizontal
*	9908.0	47.8	-3.8	44.0	68.2	-24.2	Peak	Vertical
	10970.5	47.4	-3.3	44.1	74.0	-29.9	Peak	Vertical
	15645.5	44.5	2.9	47.4	74.0	-26.6	Peak	Vertical
*	16929.0	43.6	7.2	50.8	68.2	-17.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+106
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10341.5	47.7	-4.0	43.7	68.2	-24.5	Peak	Horizontal
	12543.0	47.0	-2.0	45.1	74.0	-28.9	Peak	Horizontal
	15433.0	44.7	3.8	48.4	74.0	-25.6	Peak	Horizontal
*	17235.0	43.1	7.5	50.6	68.2	-17.6	Peak	Horizontal
*	10273.5	48.3	-4.3	43.9	68.2	-24.3	Peak	Vertical
	11429.5	47.5	-3.3	44.3	74.0	-29.7	Peak	Vertical
	15713.5	43.9	3.9	47.8	74.0	-26.2	Peak	Vertical
*	16733.5	44.9	6.4	51.3	68.2	-16.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+122
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10341.5	48.0	-4.0	44.0	68.2	-24.2	Peak	Horizontal
	11361.5	46.6	-2.6	43.9	74.0	-30.1	Peak	Horizontal
	15569.0	44.6	4.2	48.9	74.0	-25.1	Peak	Horizontal
*	17209.5	44.5	6.1	50.6	68.2	-17.6	Peak	Horizontal
*	10146.0	47.2	-3.5	43.6	68.2	-24.6	Peak	Vertical
	11939.5	46.6	-2.4	44.2	74.0	-29.8	Peak	Vertical
	15569.0	44.3	4.2	48.6	74.0	-25.5	Peak	Vertical
*	17235.0	43.7	7.5	51.2	68.2	-17.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+138
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10358.5	47.4	-3.4	44.0	68.2	-24.2	Peak	Horizontal
	11650.5	46.7	-2.8	43.9	74.0	-30.1	Peak	Horizontal
	15815.5	44.0	4.0	48.0	74.0	-26.0	Peak	Horizontal
*	17337.0	43.9	7.9	51.8	68.2	-16.4	Peak	Horizontal
*	10350.0	48.3	-3.4	44.9	68.2	-23.3	Peak	Vertical
	11735.5	46.7	-2.6	44.1	74.0	-29.9	Peak	Vertical
	15926.0	43.6	5.4	49.0	74.0	-25.0	Peak	Vertical
*	16742.0	43.8	6.6	50.4	68.2	-17.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 58+155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10163.0	47.7	-3.9	43.8	68.2	-24.4	Peak	Horizontal
	12220.0	46.8	-2.2	44.7	74.0	-29.3	Peak	Horizontal
	15917.5	44.0	4.9	48.9	74.0	-25.1	Peak	Horizontal
*	17592.0	43.6	7.6	51.1	68.2	-17.1	Peak	Horizontal
*	10120.5	47.4	-3.6	43.8	68.2	-24.4	Peak	Vertical
	11948.0	47.0	-2.2	44.8	74.0	-29.2	Peak	Vertical
	15841.0	46.8	3.8	50.6	74.0	-23.4	Peak	Vertical
*	16929.0	43.9	7.2	51.1	68.2	-17.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 106+155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	10188.5	47.9	-4.0	43.9	68.2	-24.3	Peak	Horizontal
	12084.0	46.7	-2.2	44.5	74.0	-29.5	Peak	Horizontal
	15424.5	45.0	3.3	48.3	74.0	-25.8	Peak	Horizontal
*	16555.0	53.4	4.5	57.9	68.2	-10.3	Peak	Horizontal
*	10154.5	47.4	-3.7	43.7	68.2	-24.5	Peak	Vertical
	12135.0	47.4	-2.7	44.7	74.0	-29.3	Peak	Vertical
	15815.5	44.5	4.0	48.6	74.0	-25.4	Peak	Vertical
*	16555.0	51.8	4.5	56.3	68.2	-11.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Test Site	SIP-AC1	Test Engineer	Kyrie Xie
Test Date	2022/02/14	Test Mode	802.11ac-VHT80+80 – Ant 0+1+2+3 Channel 122+155
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	9908.0	47.5	-3.8	43.6	68.2	-24.6	Peak	Horizontal
	11693.0	47.0	-2.6	44.4	74.0	-29.6	Peak	Horizontal
	15705.0	44.3	4.0	48.4	74.0	-25.6	Peak	Horizontal
*	16810.0	51.2	5.3	56.5	68.2	-11.7	Peak	Horizontal
*	9967.5	48.7	-3.9	44.8	68.2	-23.4	Peak	Vertical
	11200.0	49.2	-3.2	46.0	74.0	-28.0	Peak	Vertical
	15594.5	44.9	3.8	48.7	74.0	-25.3	Peak	Vertical
*	16793.0	53.9	4.8	58.7	68.2	-9.5	Peak	Vertical

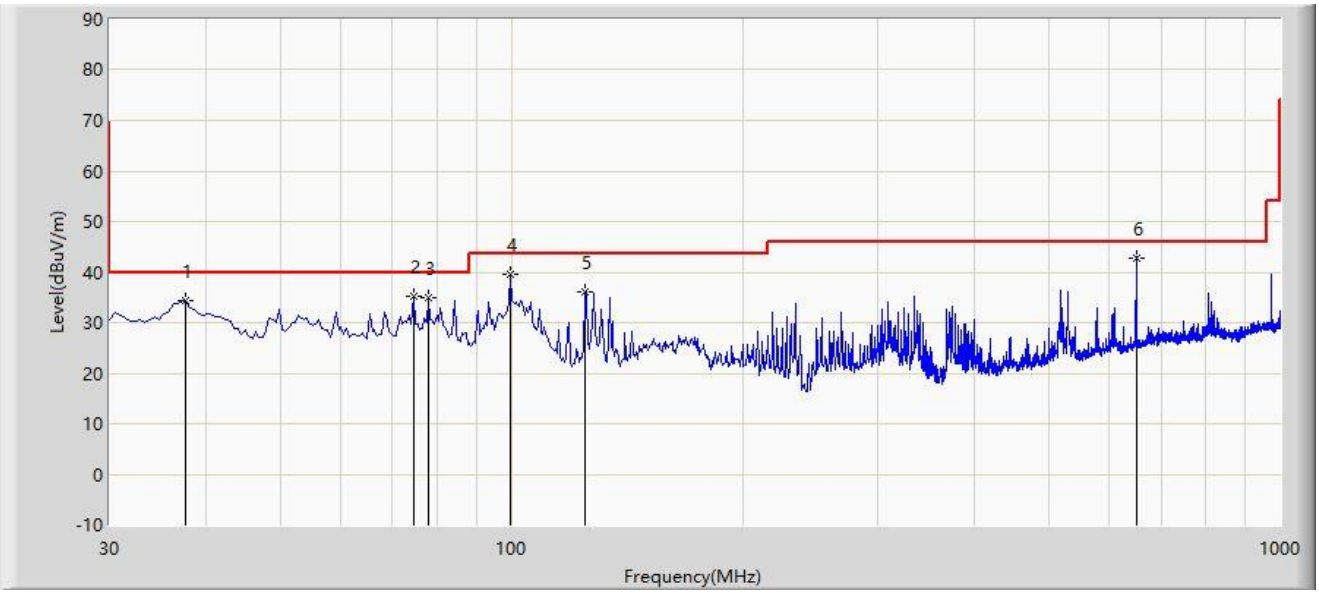
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Result of Radiated Emission below 1GHz:

Site: SIP-AC1	Time: 2022/02/15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kyrie Xie
Probe: SIP-AC1_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: Wireless Module	Power: By POE
Test Mode: Transmit at 5795MHz by 802.11ac-VHT40 with Ant0+1+2+3	



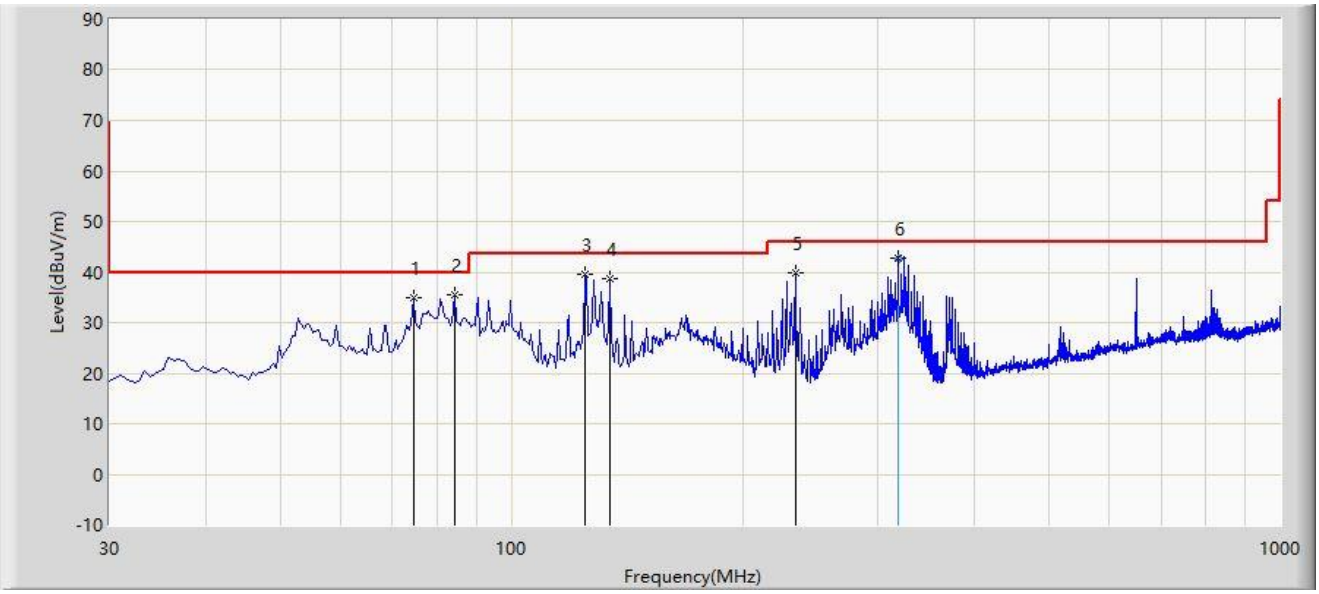
No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			37.760	34.468	17.354	-5.532	40.000	17.114	PK
2			74.620	35.109	20.333	-4.891	40.000	14.776	PK
3			78.015	34.844	20.855	-5.156	40.000	13.989	PK
4			99.840	39.434	26.139	-4.066	43.500	13.295	PK
5			124.575	36.170	20.296	-7.330	43.500	15.875	PK
6		*	649.830	42.861	16.972	-3.139	46.000	25.889	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: SIP-AC1	Time: 2022/02/15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kyrie Xie
Probe: SIP-AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: Wireless Module	Power: By POE
Test Mode: Transmit at 5795MHz by 802.11ac-VHT40 with Ant0+1+2+3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			74.620	35.064	20.288	-4.936	40.000	14.776	PK
2			84.320	35.504	22.991	-4.496	40.000	12.513	PK
3			124.575	39.563	23.689	-3.937	43.500	15.875	PK
4			134.275	38.706	21.834	-4.794	43.500	16.872	PK
5			234.185	39.779	24.204	-6.221	46.000	15.575	PK
6		*	318.750	42.839	23.900	-3.161	46.000	18.939	QP

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

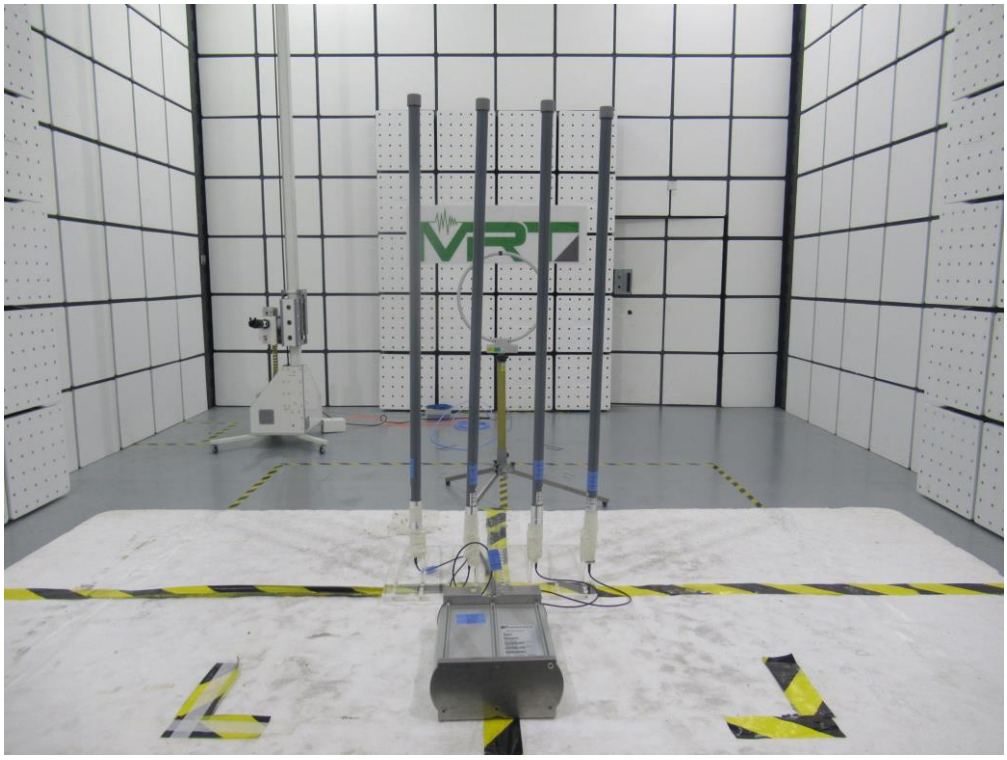
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

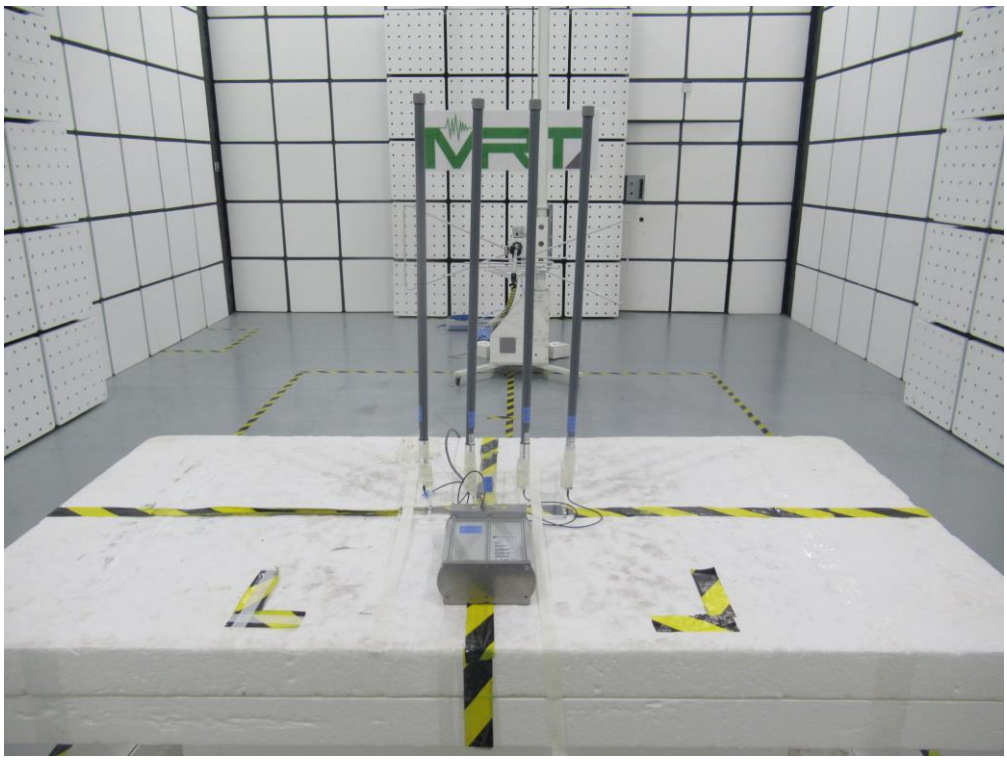
The End

Appendix A – Test Setup Photograph

Description: Radiated Spurious Emission Test Setup for Below 9k~30MHz

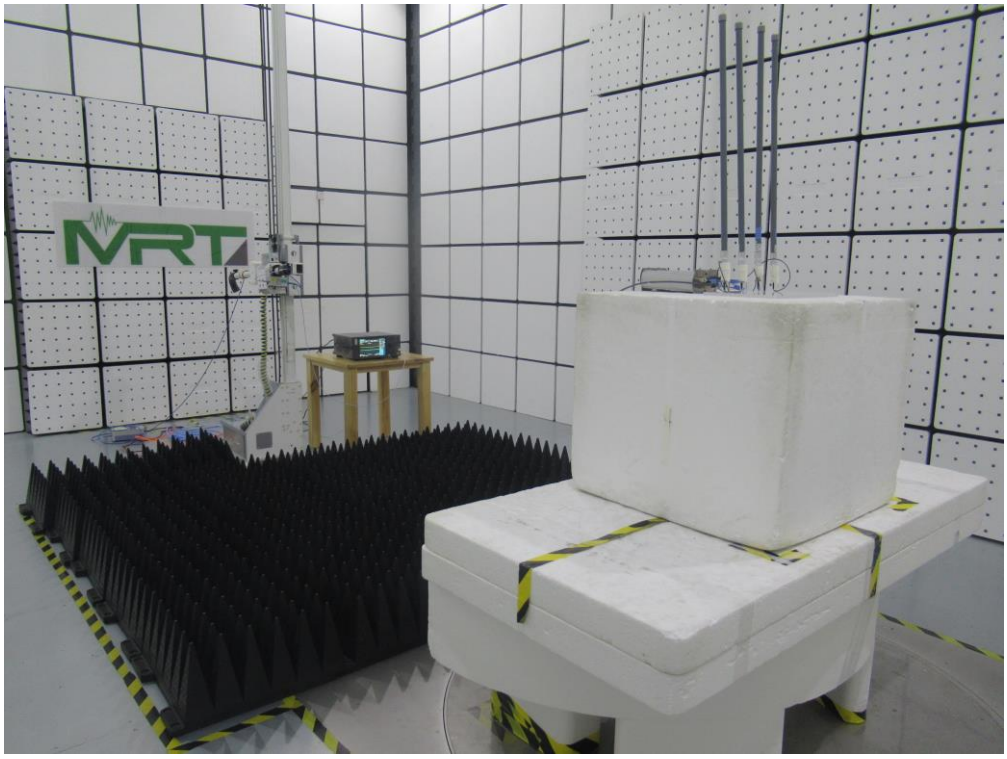


Description: Radiated Spurious Emission Test Setup for 30M~1GHz



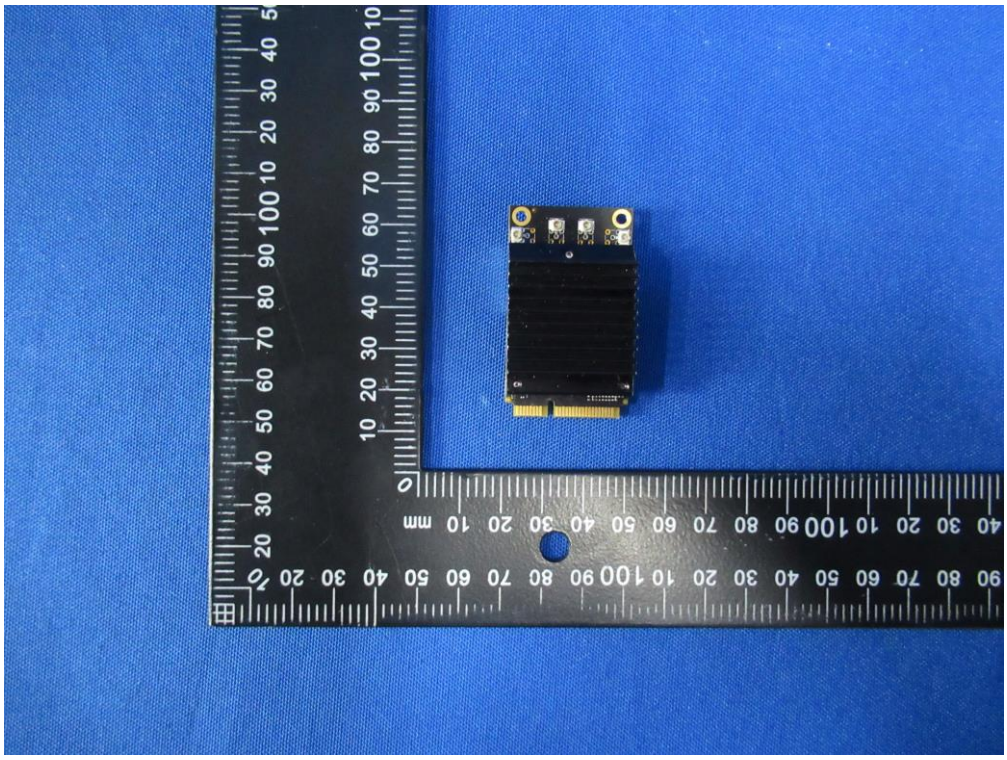
Description: Radiated Spurious Emission Test Setup for 1G~18GHz

Description: Radiated Spurious Emission Test Setup for Above 18GHz

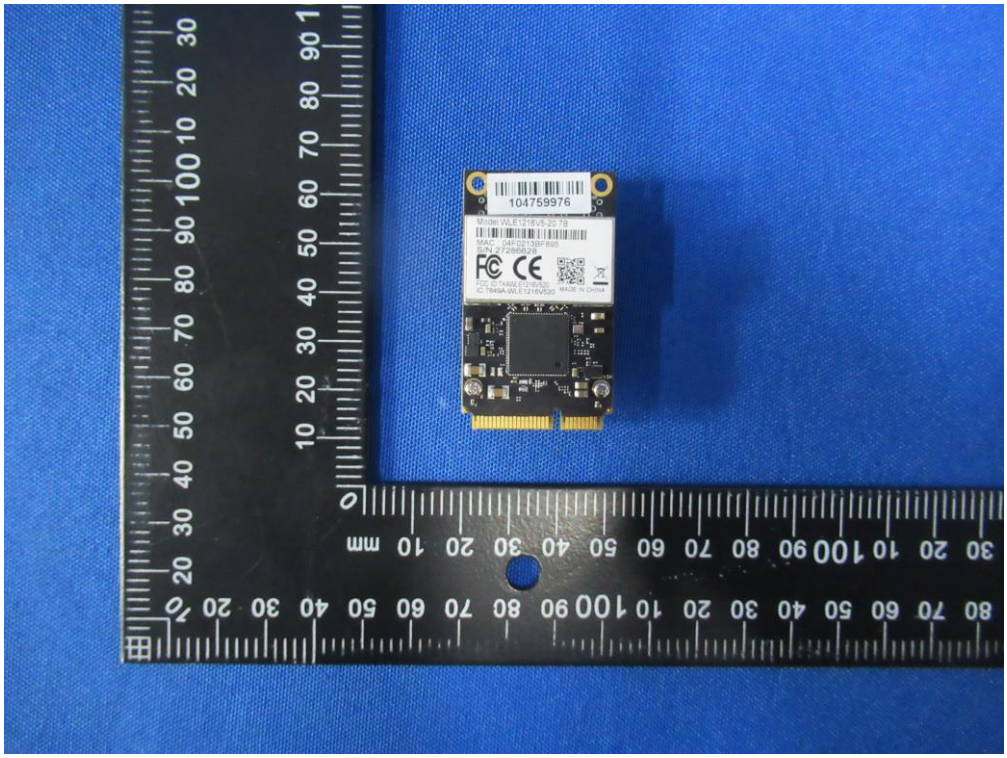


Appendix B – EUT Photograph

(1) EUT Photo

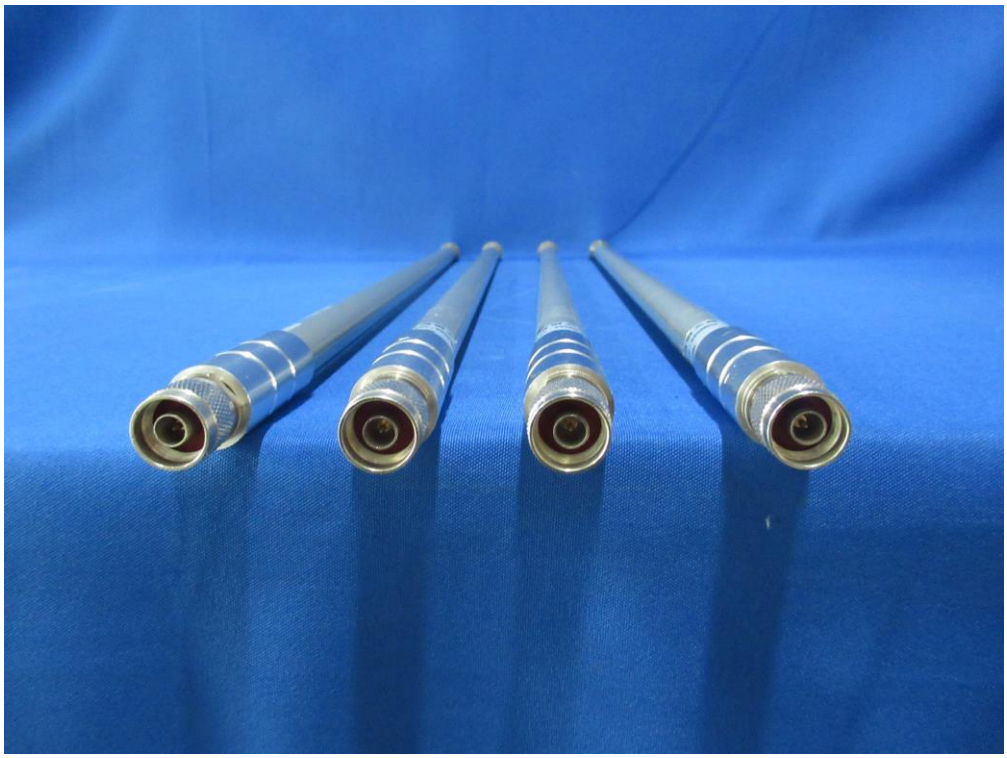


(2) EUT Photo

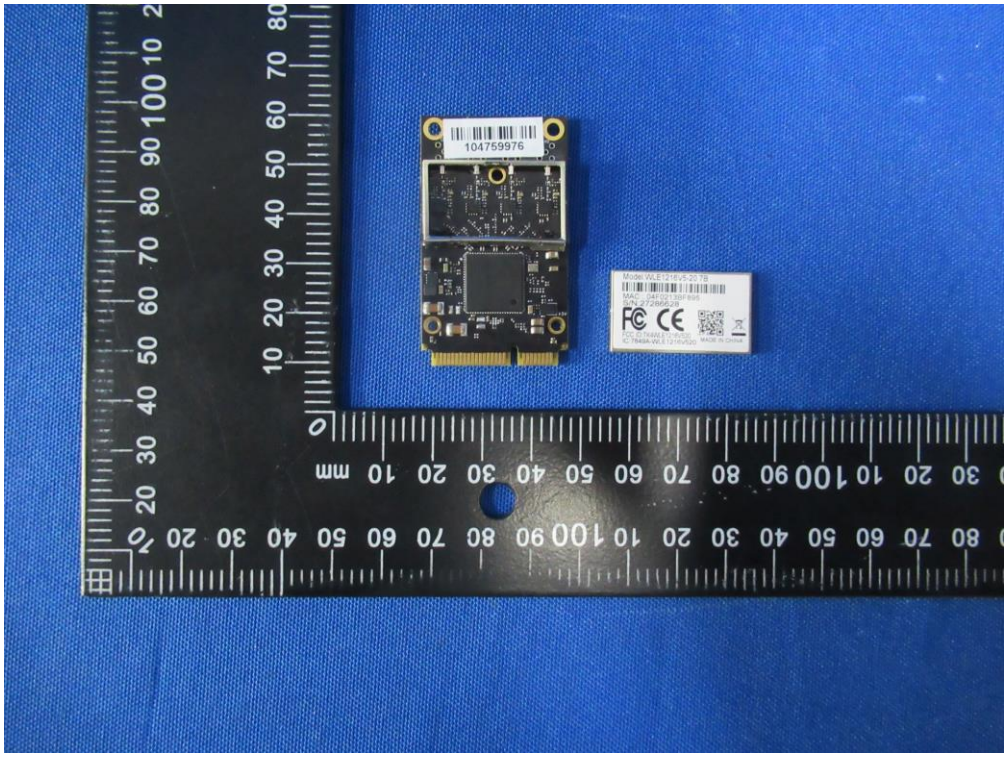
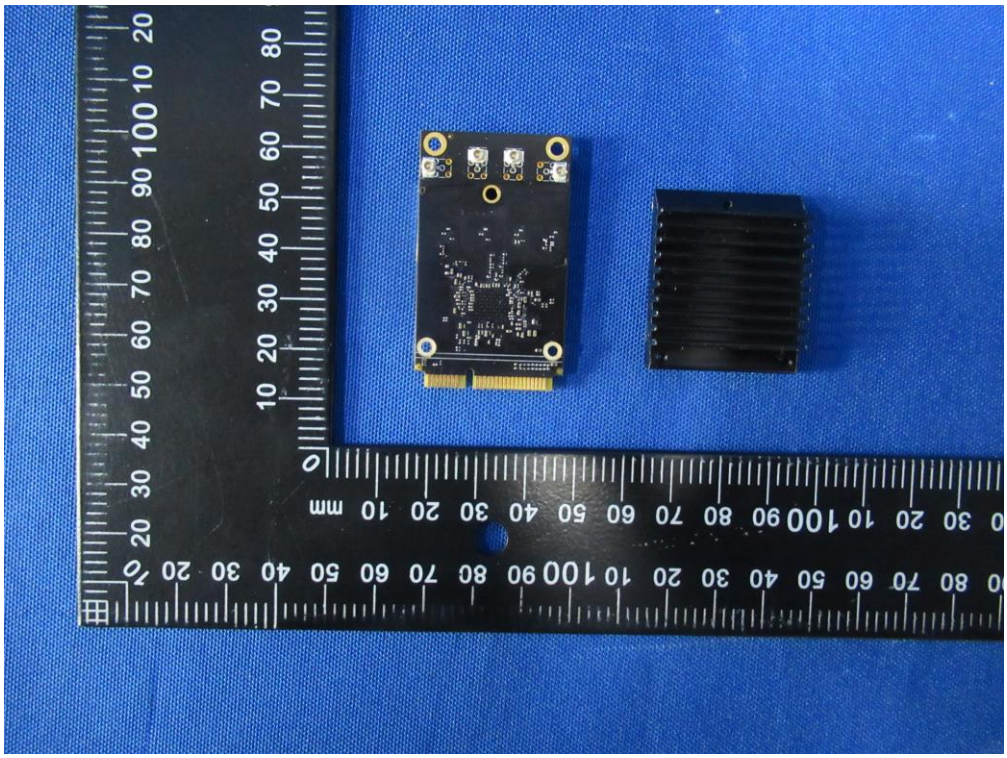


(3) EUT Photo

(4) EUT Photo



(5) EUT Photo



(6) EUT Photo