MEASUREMENT REPORT

FCC PART 15.407/ISED RSS-247 WLAN 802.11a/n/ac

FCC ID:	VPYLBEE5ZZ1PJ
IC:	772C-LBEE5ZZ1PJ
Applicant:	Murata Manufacturing Co., Ltd.
Application Type:	C2PC Certification
Product:	WLAN+ Bluetooth combo module
Model No.:	1PJ
Brand Name:	Muruta
FCC Classification:	Unlicensed National Information Infrastructure (NII)
FCC Rule Part(s):	Part15 Subpart E (Section 15.407)
ISED Rule(s):	RSS-247 Issue2, RSS-GEN Issue5
Test Procedure(s):	ANSI C63.10-2013, KDB 789033 D02v02r01
Test Date:	September 01 ~ 14, 2020

Reviewed By: oscar shi
(Oscar Shi)

Approved By: Robin Wu
(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 KDB 789033 D02v02r01. Test results reported here in 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
2008RSU027-U1	Rev. 01	Initial Report	10-26-2020	Invalid
2008RSU027-U1	Rev. 02	Corrected some typos.	02-23-2021	Valid

Note: This report is prepared for Class II permissive change supplement to MRT original "1808WSU011-U4" report adding a Dipole Antenna and adding related data.

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General Information

Applicant:	Murata Manufacturing Co., Ltd.
Applicant Address:	10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan
Manufacturer:	Murata Manufacturing Co., Ltd.
Manufacturer Address:	10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan
Test Site:	MRT Technology (Suzhou) Co., Ltd
Test Site Address:	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China

Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Tian'edang Rd., Suzhou, China.

- **MRT facility is an FCC accredited testing laboratory (MRT Designation No. CN1166) on the FCC website.**
- **MRT facility is an ISED recognized testing laboratory (MRT Reg. No. CN0001) on the ISED website.**
- **MRT facility is a VCCI registered (R-20025, G-20034, C-20020, T-20020) test laboratory with the site description on file at VCCI Council.**
- **MRT Lab is accredited to ISO 17025 by the A2LA under the A2LA Program (Cert. No. 3628.01) and CNAS under the CNAS Program (Cert. No. L10551) in EMC, Safety, Radio, Telecommunications and SAR testing.**

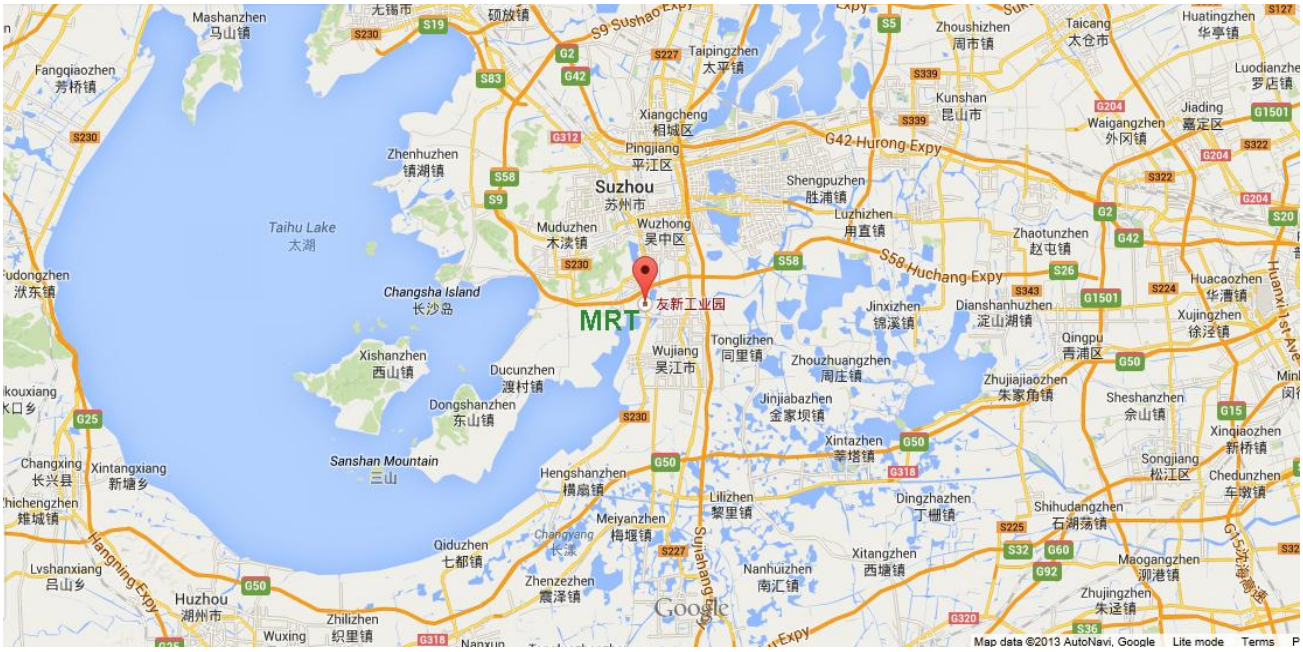
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada and Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taihu Lake. These measurement tests were conducted at the MRT Technology (Suzhou) Co., Ltd. Facility located at D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The measurement facility compliant with the test site requirements specified in ANSI C63.4-2014.



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	WLAN+ Bluetooth combo module
Model No.	LBEE5ZZ1PJ
Serial No.	#1, #2
Hardware Version	MP
Software Version	firmware V0.0.0.27, driver V4.5.23.1
Wi-Fi Specification	802.11a/b/g/n/ac
Bluetooth Version	v5.1 dual mode
Antenna Delivery	1*Tx + 1*Rx

2.2. Product Specification Subjective to this Report

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, 5610MHz, 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 150Mbps 802.11ac: up to 433.3Mbps

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

2.3. Description of Available Antennas

Antenna Type	Frequency Band (GHz)	Antenna Gain (dBi) With Cable length 150mm	Antenna Gain (dBi) With Cable length 1280mm
Dipole Antenna	5.15~5.35	0.88	-4.40
	5.47~5.725	0.38	-5.03
	5.725~5.85	0.51	-5.13

Note 1: We assessed spurious Emission for antenna with two cable length (150mm and 1280mm) based on customer's requirement.

Note 2: The antenna Gain is declared by manufacture.

2.4. Working Frequencies for this Report

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	5550 MHz
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

2.5. Test Mode

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)

2.6. Test software and Power setting

The test utility software used during testing was “QRCT”, and the version was 3.0.268.0.

Power parameter value refers to operation description.

Model	Ch.	Freq. (MHz)	Final Power Setting
802.11 a	36	5180	14.0
	44	5220	13.5
	48	5240	13.5
	52	5260	14.0
	60	5300	14.0
	64	5320	14.0
	100	5500	14.0
	116	5580	13.0
	140	5700	12.5
	144	5720	14.0
	149	5745	14.0
	157	5785	13.5
	165	5825	13.5
802.11n-HT20	36	5180	14.0
	44	5220	13.5
	48	5240	14.0
	52	5260	14.5
	60	5300	14.0
	64	5320	14.5
	100	5500	14.5
	116	5580	13.5
	140	5700	13.0
	144	5720	14.5
	149	5745	13.5
	157	5785	13.5
	165	5825	13.5
802.11n-HT40	38	5190	13.0
	46	5230	13.0
	54	5270	13.5

	62	5310	13.0
	102	5510	13.0
	110	5550	13.0
	134	5670	12.5
	142	5710	13.0
	151	5755	12.5
	159	5795	12.5
802.11ac-VHT20	36	5180	14.0
	44	5220	13.5
	48	5240	14.0
	52	5260	14.5
	60	5300	14.0
	64	5320	14.5
	100	5500	14.5
	116	5580	13.5
	140	5700	13.0
	144	5720	14.5
	149	5745	14.0
	157	5785	14.0
	165	5825	14.0
802.11ac-VHT40	38	5190	13.0
	46	5230	12.5
	54	5270	13.0
	62	5310	13.0
	102	5510	13.0
	110	5550	12.5
	134	5670	13.0
	142	5710	13.0
	151	5755	12.5
	159	5795	13.0
802.11ac-VHT80	42	5210	12.0
	58	5290	12.0
	106	5530	11.5
	122	5610	12.0
	138	5690	12.0
	155	5775	12.0

2.7. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

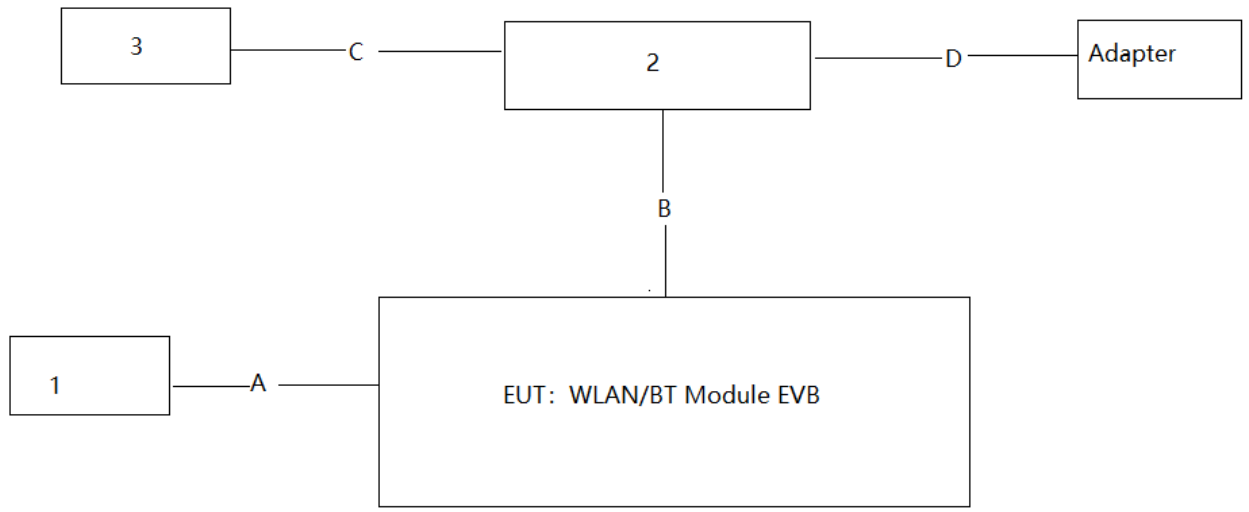
2.8. Test Environment Condition

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

2.9. Description of Test Configuration

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

Connection Diagram



Signal Cable Type		Signal cable Description
A	Power Cable	Non-Shielded, 0.8m
B	IMX6 SDIO interface cable	Non-Shielded, 0.8m
C	LAN Cable (RJ45)	Non-Shielded, >1.5m
D	Power cable	Non-Shielded, 1m

2.10. Test System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Power supply	GWINSTEK	DPS-3303C	N/A	Non-Shielded, 1.8m
2	IMAX HOST	Muruta	N/A	N/A	N/A
3	Notebook	Lenovo	X201	N/A	Non-Shielded, 1.8m

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 is **permanently attached.**
- The antenna connector for 1PJ is **IPEX connector.**

Conclusion:

The unit complies with the requirement of §15.203.

4. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2021/01/18
Two-Line V-Network	R&S	ENV 216	MRTSUE06002	1 year	2021/06/11
Two-Line V-Network	R&S	ENV 216	MRTSUE06003	1 year	2021/06/11
Thermohygrometer	Testo	608-H1	MRTSUE06404	1 year	2021/08/07
Shielding Room	MIX-BEP	Chamber-SR2	MRTSUE06215	N/A	N/A

Radiated Emissions - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2021/01/18
PXA Signal Analyzer	Keysight	9030B	MRTSUE06395	1 year	2021/08/30
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2020/11/13
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2021/04/03
BroadBand Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2020/10/13
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2020/12/29
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2020/11/15
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2021/06/11
Thermohygrometer	Testo	608-H1	MRTSUE06403	1 year	2021/07/26
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06212	1 year	2021/04/30

Radiated Emission - AC2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Keysight	N9038A	MRTSUE06125	1 year	2021/07/02
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2020/11/13
Bilog Period Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2020/10/13
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06171	1 year	2020/10/27
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2020/12/29
Broadband CoaxialPreamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2020/11/15
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2021/06/11
Temperature/Humidity Meter	Minggao	ETH529	MRTSUE06170	1 year	2020/12/15
Anechoic Chamber	RIKEN	Chamber-AC2	MRTSUE06213	1 year	2021/04/30

Conducted Test Equipment - TR3

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2021/04/14
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06457	1 year	2021/07/02
Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2021/04/14
Power Meter	Agilent	U2021XA	MRTSUE06030	1 year	2020/11/17
USB wideband power sensor	Keysight	U2021XA	MRTSUE06446	1 year	2021/06/11
USB wideband power sensor	Keysight	U2021XA	MRTSUE06447	1 year	2021/06/11
Bluetooth Test Set	Anritsu	MT8852B-042	MRTSUE06389	1 year	2021/06/11
Audio Analyzer	Agilent	U8903B	MRTSUE06143	1 year	2021/06/11
Modulation Analyzer	HP	8901A	MRTSUE06098	1 year	2020/10/10
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2020/11/07
DC Power Supply	GWINSTEK	DPS-3303C	MRTSUE06064	N/A	N/A
Attenuator	MVE	6dB	MRTSUE06534	1 year	2020/12/12
Attenuator	MVE	10dB	MRTSUE06543	1 year	2020/12/12
Temperature & Humidity Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2020/11/07
Thermohygrometer	testo	608-H1	MRTSUE06401	1 year	2021/07/26

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
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.13dB

6. TEST RESULT

6.1. Summary

FCC Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)(1)(iv), (2), (3)	Maximum Conducted Output Power	U-NII-1: ≤250mW U-NII-2: ≤250mW or 11 +10log$_{10}$B U-NII-3: ≤1W	Conducted	Pass	Section 7.4
15.407(b)(1), (2), (3), (4)(i)	Undesirable Emissions	≤ -27dBm/MHz EIRP Detail see section 7.9	Radiated	Pass	Section 7.8 Section7.9
15.205, 15.209 15.407(b)(1), (2), (3), (4)(i)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet theradiated limits detailed in15.209		Pass	

Notes:

1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer.The correction table was used to account for the losses of the cables and attenuators used as part ofthe system to connect the EUT to the analyzer at all frequencies of interest.
2) All modes of operation and data rates were investigated. 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.
3) This report only for adding 5G Wi-Fi antenna, only assessment Output Power, Radiated spurious Emission and Radiated Restricted Bandedge.

6.2. Output Power Measurement

6.2.1.Test Limit

For FCC:

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).

If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Additional Requirement for ISED:

For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200mW (23.01dBm) or 10 + 10 log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

For the 5.25 - 5.35 GHz and 5.47-5.725 GHz bands, themaximum conducted output power shall not exceed 250mW (23.98dBm) or 11 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

For the band 5725-5850 MHz bands, the maximum e.i.r.p. shall not exceed 1.0 W (30dBm).

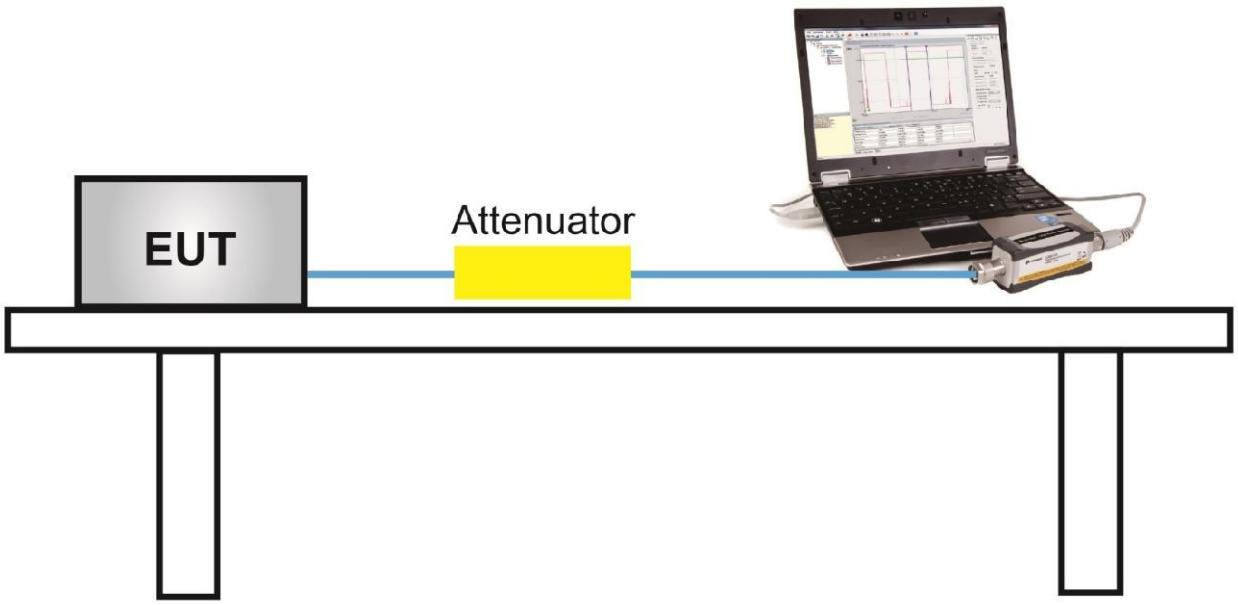
6.2.2.Test Procedure Used

KDB 789033D02v02r01- Section E)3) b) Method PM-G

6.2.3.Test Setting

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

6.2.4.Test Setup



6.2.5.Test Result

Output power test was verified over all data rates of each mode shown as below table, and then choose the maximum output power (gray marker) for final test of each channel.

Test Mode	Bandwidth	Channel No.	Frequency (MHz)	Data Rate/ MCS	Average Power (dBm)
802.11a	20	36	5180	6Mbps	14.18
				24Mbps	14.05
				54Mbps	13.91
802.11n	20	36	5180	MCS0	13.74
				MCS4	13.62
				MCS7	13.48
802.11n	40	38	5190	MCS0	12.94
				MCS4	12.81
				MCS7	12.65
802.11ac	20	36	5180	MCS0	13.84
				MCS4	13.70
				MCS8	13.55
802.11ac	40	38	5190	MCS0	12.85
				MCS4	12.74
				MCS9	12.64
802.11ac	80	42	5210	MCS0	11.87
				MCS4	11.79
				MCS9	11.62

Product	WLAN+ Bluetooth combo module	Test Engineer	Ternence Wang
Test Site	TR3	Test Date	2020/09/11

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	FCC Average Power Limit (dBm)	ISED Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	14.18	≤23.98	<=22.11	Pass
11a	6Mbps	44	5220	13.85	≤23.98	<=22.11	Pass
11a	6Mbps	48	5240	13.60	≤23.98	<=22.11	Pass
11a	6Mbps	52	5260	14.01	≤ 23.98	<=22.10	Pass
11a	6Mbps	60	5300	13.90	≤ 23.98	<=22.10	Pass
11a	6Mbps	64	5320	13.58	≤ 23.98	<=22.10	Pass
11a	6Mbps	100	5500	13.76	≤ 23.98	<=22.10	Pass
11a	6Mbps	116	5580	13.58	≤ 23.98	<=22.10	Pass
11a	6Mbps	140	5700	12.36	≤ 23.98	<=22.10	Pass
11a	6Mbps	144	5720	13.70	≤ 23.98	<=22.10	Pass
11a	6Mbps	149	5745	13.81	≤ 30.00	<=30.00	Pass
11a	6Mbps	157	5785	13.79	≤ 30.00	<=30.00	Pass
11a	6Mbps	165	5825	13.76	≤ 30.00	<=30.00	Pass
11n-HT20	MCS0	36	5180	13.74	≤ 23.98	<=22.40	Pass
11n-HT20	MCS0	44	5220	13.38	≤ 23.98	<=22.40	Pass
11n-HT20	MCS0	48	5240	13.78	≤ 23.98	<=22.40	Pass
11n-HT20	MCS0	52	5260	13.97	≤ 23.98	<=22.41	Pass
11n-HT20	MCS0	60	5300	13.63	≤ 23.98	<=22.41	Pass
11n-HT20	MCS0	64	5320	13.69	≤ 23.98	<=22.41	Pass
11n-HT20	MCS0	100	5500	13.88	≤ 23.98	<=22.41	Pass
11n-HT20	MCS0	116	5580	13.76	≤ 23.98	<=22.41	Pass
11n-HT20	MCS0	140	5700	12.65	≤ 23.98	<=22.41	Pass
11n-HT20	MCS0	144	5720	13.86	≤ 23.98	<=22.41	Pass
11n-HT20	MCS0	149	5745	13.20	≤ 30.00	<=30.00	Pass
11n-HT20	MCS0	157	5785	13.45	≤ 30.00	<=30.00	Pass
11n-HT20	MCS0	165	5825	13.42	≤ 30.00	<=30.00	Pass
11n-HT40	MCS0	38	5190	12.94	≤ 23.98	<=23.01	Pass
11n-HT40	MCS0	46	5230	12.88	≤ 23.98	<=23.01	Pass
11n-HT40	MCS0	54	5270	12.92	≤ 23.98	<=23.98	Pass
11n-HT40	MCS0	62	5310	12.39	≤ 23.98	<=23.98	Pass
11n-HT40	MCS0	102	5510	12.46	≤ 23.98	<=23.98	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	FCC Average Power Limit (dBm)	ISED Average Power Limit (dBm)	Result
11n-HT40	MCS0	110	5550	12.93	≤ 23.98	<=23.98	Pass
11n-HT40	MCS0	134	5670	12.04	≤ 23.98	<=23.98	Pass
11n-HT40	MCS0	142	5710	12.71	≤ 23.98	<=23.98	Pass
11n-HT40	MCS0	151	5755	12.38	≤ 30.00	<=30.00	Pass
11n-HT40	MCS0	159	5795	12.44	≤ 30.00	<=30.00	Pass
11ac-VHT20	MCS0	36	5180	13.84	≤ 23.98	<=22.40	Pass
11ac-VHT20	MCS0	44	5220	13.57	≤ 23.98	<=22.40	Pass
11ac-VHT20	MCS0	48	5240	13.71	≤ 23.98	<=22.40	Pass
11ac-VHT20	MCS0	52	5260	14.13	≤ 23.98	<=22.41	Pass
11ac-VHT20	MCS0	60	5300	13.60	≤ 23.98	<=22.41	Pass
11ac-VHT20	MCS0	64	5320	13.69	≤ 23.98	<=22.41	Pass
11ac-VHT20	MCS0	100	5500	13.98	≤ 23.98	<=22.41	Pass
11ac-VHT20	MCS0	116	5580	13.76	≤ 23.98	<=22.41	Pass
11ac-VHT20	MCS0	140	5700	12.67	≤ 23.98	<=22.41	Pass
11ac-VHT20	MCS0	144	5720	13.85	≤ 23.98	<=22.41	Pass
11ac-VHT20	MCS0	149	5745	13.51	≤ 30.00	<=30.00	Pass
11ac-VHT20	MCS0	157	5785	13.81	≤ 30.00	<=30.00	Pass
11ac-VHT20	MCS0	165	5825	13.88	≤ 30.00	<=30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)	FCC Average Power Limit (dBm)	ISED Average Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	12.85	≤ 23.98	<=23.01	Pass
11ac-VHT40	MCS0	46	5230	12.27	≤ 23.98	<=23.01	Pass
11ac-VHT40	MCS0	54	5270	12.63	≤ 23.98	<=23.98	Pass
11ac-VHT40	MCS0	62	5310	12.45	≤ 23.98	<=23.98	Pass
11ac-VHT40	MCS0	102	5510	12.57	≤ 23.98	<=23.98	Pass
11ac-VHT40	MCS0	110	5550	12.34	≤ 23.98	<=23.98	Pass
11ac-VHT40	MCS0	134	5670	12.79	≤ 23.98	<=23.98	Pass
11ac-VHT40	MCS0	142	5710	12.61	≤ 23.98	<=23.98	Pass
11ac-VHT40	MCS0	151	5755	12.32	≤ 30.00	<=30.00	Pass
11ac-VHT40	MCS0	159	5795	12.95	≤ 30.00	<=30.00	Pass
11ac-VHT80	MCS0	42	5210	11.87	≤ 23.98	<=23.01	Pass
11ac-VHT80	MCS0	58	5290	11.75	≤ 23.98	<=23.98	Pass
11ac-VHT80	MCS0	106	5530	11.61	≤ 23.98	<=23.98	Pass
11ac-VHT80	MCS0	122	5610	11.78	≤ 23.98	<=23.98	Pass
11ac-VHT80	MCS0	138	5690	11.38	≤ 23.98	<=23.98	Pass
11ac-VHT80	MCS0	155	5775	11.87	≤ 30.00	<=30.00	Pass

6.3. Radiated Spurious Emission Measurement

6.3.1.Test Limit

For FCC:

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.

For ISED:

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-GEN Issue 5 must not exceed the limits shown in Table per Section 8.9.

FCC Part 15 Subpart C Paragraph 15.209/ RSS-Gen Section 8.9		
Frequency (MHz)	Field Strength (μV/m)	Measured Distance (m)
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

6.3.2.Test Procedure Used

KDB 789033 D02v02r01- Section G

6.3.3.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
> 1000 MHz	1 MHz

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

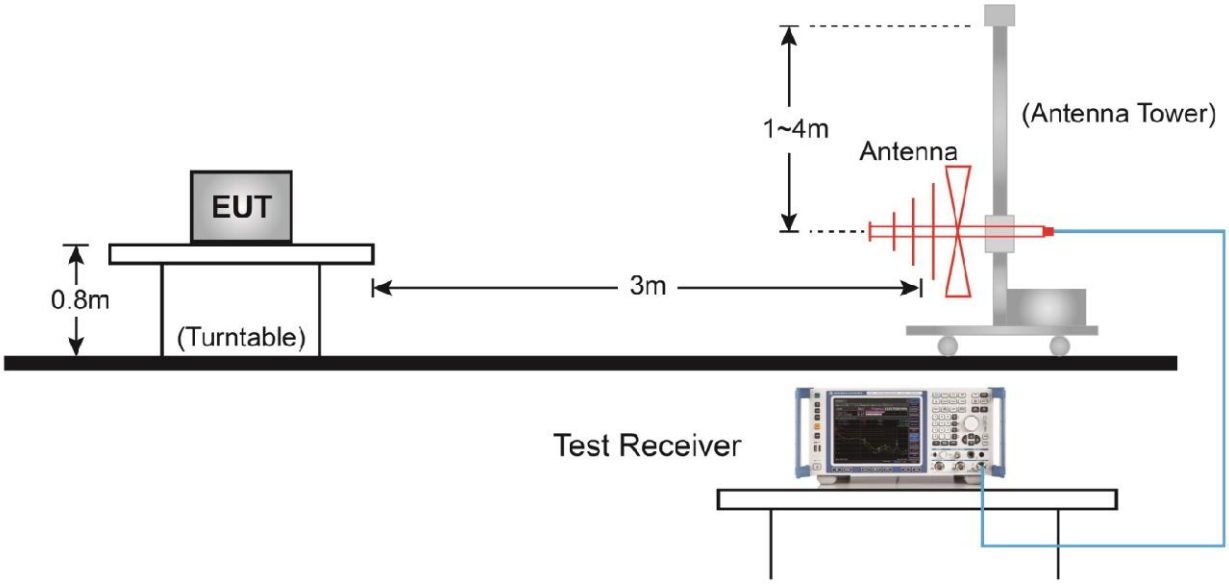
Average Measurements above 1GHz (Method VB)

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 = 10Hz

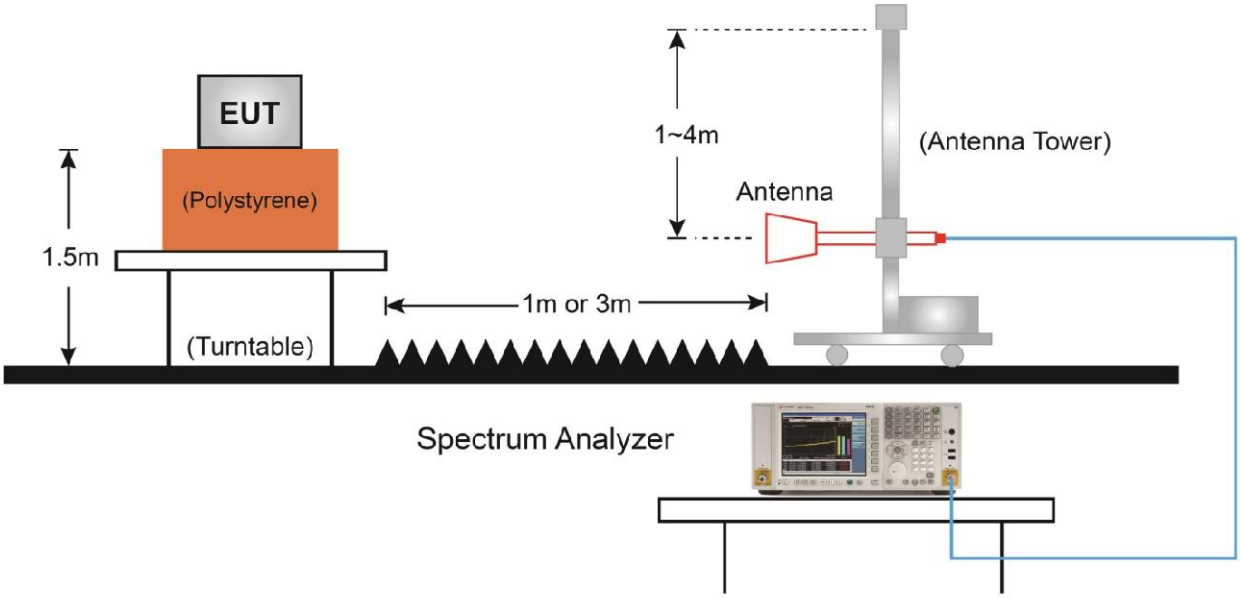
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.3.4.Test Setup

Below 1GHz Test Setup:



Above1GHz Test Setup:



6.3.5.Test Result

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	36
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	35.5	11.2	46.7	74.0	-27.3	Peak	Horizontal
*	8854.0	35.0	12.8	47.8	68.2	-20.4	Peak	Horizontal
*	9899.5	34.4	15.1	49.5	68.2	-18.7	Peak	Horizontal
	11064.0	36.2	16.0	52.2	74.0	-21.8	Peak	Horizontal
	8352.5	36.1	11.2	47.3	74.0	-26.7	Peak	Vertical
*	8905.0	36.2	13.1	49.3	68.2	-18.9	Peak	Vertical
*	9831.5	35.3	15.4	50.7	68.2	-17.5	Peak	Vertical
	10945.0	36.5	16.8	53.3	74.0	-20.7	Peak	Vertical
	10945.9	24.9	16.8	41.7	54.0	-12.3	Average	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	44
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	37.0	11.4	48.4	74.0	-25.6	Peak	Horizontal
*	8786.0	36.0	12.8	48.8	68.2	-19.4	Peak	Horizontal
*	10494.5	36.3	16.2	52.5	68.2	-15.7	Peak	Horizontal
	11472.0	36.7	16.1	52.8	74.0	-21.2	Peak	Horizontal
	8276.0	35.8	11.2	47.0	74.0	-27.0	Peak	Vertical
*	8735.0	35.4	12.7	48.1	68.2	-20.1	Peak	Vertical
*	10035.5	35.5	15.4	50.9	68.2	-17.3	Peak	Vertical
	10936.5	35.6	16.6	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	48
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	38.0	10.9	48.9	74.0	-25.1	Peak	Horizontal
	8233.5	38.6	11.3	49.9	74.0	-24.1	Peak	Horizontal
*	8803.0	37.8	13.0	50.8	68.2	-17.4	Peak	Horizontal
*	9593.5	36.4	14.7	51.1	68.2	-17.1	Peak	Horizontal
	7494.0	38.5	10.8	49.3	74.0	-24.7	Peak	Vertical
	8276.0	37.3	11.2	48.5	74.0	-25.5	Peak	Vertical
*	8896.5	37.7	12.9	50.6	68.2	-17.6	Peak	Vertical
*	9576.5	36.8	14.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	52
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8429.0	35.9	11.4	47.3	74.0	-26.7	Peak	Horizontal
*	8922.0	36.0	13.0	49.0	68.2	-19.2	Peak	Horizontal
*	10120.5	35.0	15.6	50.6	68.2	-17.6	Peak	Horizontal
	10945.0	36.2	16.8	53.0	74.0	-21.0	Peak	Horizontal
	8412.0	35.5	11.3	46.8	74.0	-27.2	Peak	Vertical
*	8735.0	35.0	12.7	47.7	68.2	-20.5	Peak	Vertical
*	10171.5	35.0	15.5	50.5	68.2	-17.7	Peak	Vertical
	11455.0	36.5	15.9	52.4	74.0	-21.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	60
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8480.0	37.6	11.5	49.1	74.0	-24.9	Peak	Horizontal
*	8794.5	35.7	12.9	48.6	68.2	-19.6	Peak	Horizontal
*	9585.0	36.0	14.9	50.9	68.2	-17.3	Peak	Horizontal
	10877.0	36.1	16.8	52.9	74.0	-21.1	Peak	Horizontal
	8242.0	35.4	11.2	46.6	74.0	-27.4	Peak	Vertical
*	8692.5	35.2	13.1	48.3	68.2	-19.9	Peak	Vertical
*	10001.5	34.8	15.1	49.9	68.2	-18.3	Peak	Vertical
	10919.5	36.4	16.5	52.9	74.0	-21.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	64
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8412.0	37.7	11.3	49.0	74.0	-25.0	Peak	Horizontal
*	8692.5	35.5	13.1	48.6	68.2	-19.6	Peak	Horizontal
*	9891.0	35.6	15.2	50.8	68.2	-17.4	Peak	Horizontal
	10707.0	37.0	16.0	53.0	74.0	-21.0	Peak	Horizontal
	8208.0	36.4	11.4	47.8	74.0	-26.2	Peak	Vertical
*	8658.5	35.3	12.8	48.1	68.2	-20.1	Peak	Vertical
*	9882.5	34.4	15.4	49.8	68.2	-18.4	Peak	Vertical
	10953.5	35.8	16.9	52.7	74.0	-21.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	100
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8267.5	35.7	11.4	47.1	74.0	-26.9	Peak	Horizontal
*	8709.5	34.7	12.9	47.6	68.2	-20.6	Peak	Horizontal
*	9823.0	34.5	15.3	49.8	68.2	-18.4	Peak	Horizontal
	10970.5	35.6	16.4	52.0	74.0	-22.0	Peak	Horizontal
	8437.5	36.4	11.4	47.8	74.0	-26.2	Peak	Vertical
*	8811.5	36.6	13.3	49.9	68.2	-18.3	Peak	Vertical
*	9636.0	36.6	14.5	51.1	68.2	-17.1	Peak	Vertical
	10877.0	36.2	16.8	53.0	74.0	-21.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	116
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8446.0	36.6	11.6	48.2	74.0	-25.8	Peak	Horizontal
*	8769.0	34.9	12.9	47.8	68.2	-20.4	Peak	Horizontal
*	9925.0	37.4	15.1	52.5	68.2	-15.7	Peak	Horizontal
	10979.0	35.6	16.5	52.1	74.0	-21.9	Peak	Horizontal
	8250.5	35.3	11.4	46.7	74.0	-27.3	Peak	Vertical
*	8752.0	33.8	12.9	46.7	68.2	-21.5	Peak	Vertical
*	9916.5	34.2	15.2	49.4	68.2	-18.8	Peak	Vertical
	10877.0	35.5	16.8	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	140
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8395.0	34.8	11.3	46.1	74.0	-27.9	Peak	Horizontal
*	8709.5	34.4	12.9	47.3	68.2	-20.9	Peak	Horizontal
*	10129.0	34.2	15.8	50.0	68.2	-18.2	Peak	Horizontal
	10877.0	35.2	16.8	52.0	74.0	-22.0	Peak	Horizontal
	8403.5	36.5	11.4	47.9	74.0	-26.1	Peak	Vertical
*	8658.5	35.8	12.8	48.6	68.2	-19.6	Peak	Vertical
*	9942.0	33.2	15.0	48.2	68.2	-20.0	Peak	Vertical
	10953.5	35.5	16.9	52.4	74.0	-21.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	144
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	34.7	11.2	45.9	74.0	-28.1	Peak	Horizontal
*	8888.0	34.1	12.7	46.8	68.2	-21.4	Peak	Horizontal
*	10052.5	33.6	15.0	48.6	68.2	-19.6	Peak	Horizontal
	11429.5	36.6	15.9	52.5	74.0	-21.5	Peak	Horizontal
	8429.0	36.3	11.4	47.7	74.0	-26.3	Peak	Vertical
*	8888.0	35.3	12.7	48.0	68.2	-20.2	Peak	Vertical
*	10171.5	36.2	15.5	51.7	68.2	-16.5	Peak	Vertical
	10962.0	36.2	16.6	52.8	74.0	-21.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	149
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8395.0	35.6	11.3	46.9	74.0	-27.1	Peak	Horizontal
*	8692.5	35.7	13.1	48.8	68.2	-19.4	Peak	Horizontal
*	9857.0	34.2	15.4	49.6	68.2	-18.6	Peak	Horizontal
	11089.5	36.5	16.2	52.7	74.0	-21.3	Peak	Horizontal
	8310.0	35.0	11.2	46.2	74.0	-27.8	Peak	Vertical
*	8811.5	35.6	13.3	48.9	68.2	-19.3	Peak	Vertical
*	10018.5	36.6	15.1	51.7	68.2	-16.5	Peak	Vertical
	11395.5	36.3	15.8	52.1	74.0	-21.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	157
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8454.5	36.8	11.6	48.4	74.0	-25.6	Peak	Horizontal
*	8658.5	35.2	12.8	48.0	68.2	-20.2	Peak	Horizontal
*	10035.5	34.0	15.4	49.4	68.2	-18.8	Peak	Horizontal
	10885.5	35.9	16.7	52.6	74.0	-21.4	Peak	Horizontal
	8276.0	34.9	11.2	46.1	74.0	-27.9	Peak	Vertical
*	8641.5	35.0	12.5	47.5	68.2	-20.7	Peak	Vertical
*	10588.0	36.4	16.4	52.8	68.2	-15.4	Peak	Vertical
	11506.0	35.9	16.0	51.9	74.0	-22.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/02
Test Mode	802.11a	Test Channel	165
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8182.5	35.2	11.4	46.6	74.0	-27.4	Peak	Horizontal
*	8794.5	34.6	12.9	47.5	68.2	-20.7	Peak	Horizontal
*	9678.5	34.4	14.6	49.0	68.2	-19.2	Peak	Horizontal
	10868.5	36.0	16.6	52.6	74.0	-21.4	Peak	Horizontal
	8480.0	36.9	11.5	48.4	74.0	-25.6	Peak	Vertical
*	8752.0	35.8	12.9	48.7	68.2	-19.5	Peak	Vertical
*	10197.0	34.7	15.8	50.5	68.2	-17.7	Peak	Vertical
	11319.0	36.2	15.8	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	36
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	36.3	11.4	47.7	74.0	-26.3	Peak	Horizontal
*	8692.5	35.7	13.1	48.8	68.2	-19.4	Peak	Horizontal
*	10579.5	36.7	16.2	52.9	68.2	-15.3	Peak	Horizontal
	11497.5	35.9	16.2	52.1	74.0	-21.9	Peak	Horizontal
	8216.5	36.2	11.4	47.6	74.0	-26.4	Peak	Vertical
*	8718.0	35.6	12.8	48.4	68.2	-19.8	Peak	Vertical
*	9636.0	35.9	14.5	50.4	68.2	-17.8	Peak	Vertical
	11225.5	36.8	15.6	52.4	74.0	-21.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	44
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8395.0	35.8	11.3	47.1	74.0	-26.9	Peak	Horizontal
*	8896.5	35.1	12.9	48.0	68.2	-20.2	Peak	Horizontal
*	9831.5	34.1	15.4	49.5	68.2	-18.7	Peak	Horizontal
	10970.5	36.0	16.4	52.4	74.0	-21.6	Peak	Horizontal
	8267.5	35.5	11.4	46.9	74.0	-27.1	Peak	Vertical
*	8769.0	34.4	12.9	47.3	68.2	-20.9	Peak	Vertical
*	9789.0	34.1	15.2	49.3	68.2	-18.9	Peak	Vertical
	11642.0	37.3	15.3	52.6	74.0	-21.4	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	48
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	37.4	11.0	48.4	74.0	-25.6	Peak	Horizontal
	8174.0	37.7	11.4	49.1	74.0	-24.9	Peak	Horizontal
*	8888.0	37.4	12.7	50.1	68.2	-18.1	Peak	Horizontal
*	10282.0	36.5	15.8	52.3	68.2	-15.9	Peak	Horizontal
	7451.5	37.6	11.0	48.6	74.0	-25.4	Peak	Vertical
	8242.0	36.4	11.2	47.6	74.0	-26.4	Peak	Vertical
*	8692.5	36.0	13.1	49.1	68.2	-19.1	Peak	Vertical
*	9678.5	36.9	14.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	52
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8420.5	35.3	11.4	46.7	74.0	-27.3	Peak	Horizontal
*	8692.5	34.5	13.1	47.6	68.2	-20.6	Peak	Horizontal
*	9865.5	35.5	15.5	51.0	68.2	-17.2	Peak	Horizontal
	10953.5	35.3	16.9	52.2	74.0	-21.8	Peak	Horizontal
	8191.0	35.9	11.4	47.3	74.0	-26.7	Peak	Vertical
*	8735.0	35.4	12.7	48.1	68.2	-20.1	Peak	Vertical
*	9772.0	34.6	15.2	49.8	68.2	-18.4	Peak	Vertical
	10979.0	35.6	16.5	52.1	74.0	-21.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	60
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8420.5	35.8	11.4	47.2	74.0	-26.8	Peak	Horizontal
*	8709.5	36.1	12.9	49.0	68.2	-19.2	Peak	Horizontal
*	10205.5	35.2	15.6	50.8	68.2	-17.4	Peak	Horizontal
	10970.5	35.3	16.4	51.7	74.0	-22.3	Peak	Horizontal
	8242.0	34.8	11.2	46.0	74.0	-28.0	Peak	Vertical
*	8658.5	34.9	12.8	47.7	68.2	-20.5	Peak	Vertical
*	10129.0	35.2	15.8	51.0	68.2	-17.2	Peak	Vertical
	10868.5	35.9	16.6	52.5	74.0	-21.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	64
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8386.5	35.7	11.1	46.8	74.0	-27.2	Peak	Horizontal
*	8692.5	34.4	13.1	47.5	68.2	-20.7	Peak	Horizontal
*	9865.5	33.9	15.5	49.4	68.2	-18.8	Peak	Horizontal
	10843.0	35.8	16.5	52.3	74.0	-21.7	Peak	Horizontal
	8361.0	35.2	11.3	46.5	74.0	-27.5	Peak	Vertical
*	8735.0	34.2	12.7	46.9	68.2	-21.3	Peak	Vertical
*	9517.0	34.4	14.8	49.2	68.2	-19.0	Peak	Vertical
	10877.0	35.4	16.8	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	100
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8352.5	34.0	11.2	45.2	74.0	-28.8	Peak	Horizontal
*	8888.0	34.3	12.7	47.0	68.2	-21.2	Peak	Horizontal
*	9874.0	34.4	15.6	50.0	68.2	-18.2	Peak	Horizontal
	10953.5	34.9	16.9	51.8	74.0	-22.2	Peak	Horizontal
	8352.5	34.3	11.2	45.5	74.0	-28.5	Peak	Vertical
*	8735.0	34.3	12.7	47.0	68.2	-21.2	Peak	Vertical
*	9644.5	34.8	14.4	49.2	68.2	-19.0	Peak	Vertical
	11072.5	36.0	16.2	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	116
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8191.0	34.1	11.4	45.5	74.0	-28.5	Peak	Horizontal
*	8862.5	34.1	12.9	47.0	68.2	-21.2	Peak	Horizontal
*	9780.5	34.0	15.2	49.2	68.2	-19.0	Peak	Horizontal
	10809.0	35.7	16.0	51.7	74.0	-22.3	Peak	Horizontal
	8216.5	36.4	11.4	47.8	74.0	-26.2	Peak	Vertical
*	8811.5	34.3	13.3	47.6	68.2	-20.6	Peak	Vertical
*	9721.0	34.1	15.1	49.2	68.2	-19.0	Peak	Vertical
	10860.0	35.3	16.5	51.8	74.0	-22.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	140
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8284.5	34.2	11.2	45.4	74.0	-28.6	Peak	Horizontal
*	8633.0	35.2	12.2	47.4	68.2	-20.8	Peak	Horizontal
*	10367.0	36.0	16.0	52.0	68.2	-16.2	Peak	Horizontal
	10877.0	35.6	16.8	52.4	74.0	-21.6	Peak	Horizontal
	8165.5	35.7	11.5	47.2	74.0	-26.8	Peak	Vertical
*	8667.0	34.6	12.5	47.1	68.2	-21.1	Peak	Vertical
*	9840.0	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical
	10987.5	35.7	16.6	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	144
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	34.6	11.2	45.8	74.0	-28.2	Peak	Horizontal
*	8811.5	35.2	13.3	48.5	68.2	-19.7	Peak	Horizontal
*	9865.5	35.4	15.5	50.9	68.2	-17.3	Peak	Horizontal
	11242.5	36.2	16.2	52.4	74.0	-21.6	Peak	Horizontal
	8276.0	35.0	11.2	46.2	74.0	-27.8	Peak	Vertical
*	8777.5	35.0	12.8	47.8	68.2	-20.4	Peak	Vertical
*	10171.5	34.9	15.5	50.4	68.2	-17.8	Peak	Vertical
	10877.0	35.4	16.8	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	149
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8267.5	35.9	11.4	47.3	74.0	-26.7	Peak	Horizontal
*	8505.5	36.2	11.7	47.9	68.2	-20.3	Peak	Horizontal
*	9738.0	33.8	15.2	49.0	68.2	-19.2	Peak	Horizontal
	11404.0	36.7	15.9	52.6	74.0	-21.4	Peak	Horizontal
	8335.5	35.9	11.0	46.9	74.0	-27.1	Peak	Vertical
*	8777.5	34.0	12.8	46.8	68.2	-21.4	Peak	Vertical
*	9959.0	35.0	14.8	49.8	68.2	-18.4	Peak	Vertical
	11081.0	36.1	16.3	52.4	74.0	-21.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	157
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8335.5	35.7	11.0	46.7	74.0	-27.3	Peak	Horizontal
*	8684.0	35.4	12.9	48.3	68.2	-19.9	Peak	Horizontal
*	10129.0	35.0	15.8	50.8	68.2	-17.4	Peak	Horizontal
	10953.5	35.8	16.9	52.7	74.0	-21.3	Peak	Horizontal
	8318.5	33.9	11.1	45.0	74.0	-29.0	Peak	Vertical
*	8854.0	33.8	12.8	46.6	68.2	-21.6	Peak	Vertical
*	10273.5	36.0	15.8	51.8	68.2	-16.4	Peak	Vertical
	10996.0	36.4	16.6	53.0	74.0	-21.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	165
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8429.0	35.6	11.4	47.0	74.0	-27.0	Peak	Horizontal
*	8684.0	36.5	12.9	49.4	68.2	-18.8	Peak	Horizontal
*	10341.5	35.0	15.8	50.8	68.2	-17.4	Peak	Horizontal
	11021.5	35.4	16.3	51.7	74.0	-22.3	Peak	Horizontal
	8352.5	35.4	11.2	46.6	74.0	-27.4	Peak	Vertical
*	8888.0	34.5	12.7	47.2	68.2	-21.0	Peak	Vertical
*	9857.0	33.3	15.4	48.7	68.2	-19.5	Peak	Vertical
	11200.0	35.6	15.8	51.4	74.0	-22.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	38
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8259.0	34.9	11.5	46.4	74.0	-27.6	Peak	Horizontal
*	8803.0	34.7	13.0	47.7	68.2	-20.5	Peak	Horizontal
*	9942.0	34.7	15.0	49.7	68.2	-18.5	Peak	Horizontal
	10868.5	36.3	16.6	52.9	74.0	-21.1	Peak	Horizontal
	8429.0	35.5	11.4	46.9	74.0	-27.1	Peak	Vertical
*	8752.0	35.3	12.9	48.2	68.2	-20.0	Peak	Vertical
*	9636.0	35.6	14.5	50.1	68.2	-18.1	Peak	Vertical
	10868.5	36.3	16.6	52.9	74.0	-21.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	46
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7698.0	36.2	10.8	47.0	74.0	-27.0	Peak	Horizontal
	8199.5	36.0	11.4	47.4	74.0	-26.6	Peak	Horizontal
*	8769.0	36.4	12.9	49.3	68.2	-18.9	Peak	Horizontal
*	10137.5	36.0	15.6	51.6	68.2	-16.6	Peak	Horizontal
	7570.5	36.0	10.8	46.8	74.0	-27.2	Peak	Vertical
	8165.5	37.4	11.5	48.9	74.0	-25.1	Peak	Vertical
*	8922.0	36.0	13.0	49.0	68.2	-19.2	Peak	Vertical
*	9670.0	35.7	14.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	54
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8429.0	35.0	11.4	46.4	74.0	-27.6	Peak	Horizontal
*	8871.0	34.0	12.9	46.9	68.2	-21.3	Peak	Horizontal
*	10035.5	33.9	15.4	49.3	68.2	-18.9	Peak	Horizontal
	12262.5	37.1	15.4	52.5	74.0	-21.5	Peak	Horizontal
	8412.0	34.9	11.3	46.2	74.0	-27.8	Peak	Vertical
*	8930.5	36.8	13.1	49.9	68.2	-18.3	Peak	Vertical
*	10554.0	36.3	16.4	52.7	68.2	-15.5	Peak	Vertical
	11251.0	35.7	16.0	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	62
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8454.5	35.6	11.6	47.2	74.0	-26.8	Peak	Horizontal
*	8888.0	35.5	12.7	48.2	68.2	-20.0	Peak	Horizontal
*	9976.0	35.0	14.9	49.9	68.2	-18.3	Peak	Horizontal
	10911.0	35.3	16.4	51.7	74.0	-22.3	Peak	Horizontal
	8429.0	35.2	11.4	46.6	74.0	-27.4	Peak	Vertical
*	8658.5	35.0	12.8	47.8	68.2	-20.4	Peak	Vertical
*	10095.0	34.8	14.9	49.7	68.2	-18.5	Peak	Vertical
	10928.0	35.5	16.6	52.1	74.0	-21.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	102
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8301.5	36.4	11.2	47.6	74.0	-26.4	Peak	Horizontal
*	8633.0	36.3	12.2	48.5	68.2	-19.7	Peak	Horizontal
*	10214.0	34.6	15.3	49.9	68.2	-18.3	Peak	Horizontal
	10877.0	35.9	16.8	52.7	74.0	-21.3	Peak	Horizontal
	8420.5	36.3	11.4	47.7	74.0	-26.3	Peak	Vertical
*	8786.0	35.3	12.8	48.1	68.2	-20.1	Peak	Vertical
*	10239.5	35.8	15.7	51.5	68.2	-16.7	Peak	Vertical
	11055.5	36.3	16.0	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	110
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8429.0	36.2	11.4	47.6	74.0	-26.4	Peak	Horizontal
*	8675.5	37.1	12.6	49.7	68.2	-18.5	Peak	Horizontal
*	9738.0	35.3	15.2	50.5	68.2	-17.7	Peak	Horizontal
	10996.0	36.0	16.6	52.6	74.0	-21.4	Peak	Horizontal
	8369.5	36.1	11.1	47.2	74.0	-26.8	Peak	Vertical
*	8896.5	34.8	12.9	47.7	68.2	-20.5	Peak	Vertical
*	9831.5	32.9	15.4	48.3	68.2	-19.9	Peak	Vertical
	10996.0	35.6	16.6	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	134
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	35.7	11.4	47.1	74.0	-26.9	Peak	Horizontal
*	8701.0	35.1	13.0	48.1	68.2	-20.1	Peak	Horizontal
*	9916.5	35.3	15.2	50.5	68.2	-17.7	Peak	Horizontal
	11582.5	37.0	15.4	52.4	74.0	-21.6	Peak	Horizontal
	8454.5	36.4	11.6	48.0	74.0	-26.0	Peak	Vertical
*	8658.5	35.8	12.8	48.6	68.2	-19.6	Peak	Vertical
*	10137.5	35.1	15.6	50.7	68.2	-17.5	Peak	Vertical
	10860.0	35.5	16.5	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	142
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	35.7	11.4	47.1	74.0	-26.9	Peak	Horizontal
*	8854.0	35.3	12.8	48.1	68.2	-20.1	Peak	Horizontal
*	9942.0	36.0	15.0	51.0	68.2	-17.2	Peak	Horizontal
	11115.0	36.6	15.8	52.4	74.0	-21.6	Peak	Horizontal
	8208.0	36.1	11.4	47.5	74.0	-26.5	Peak	Vertical
*	8854.0	34.3	12.8	47.1	68.2	-21.1	Peak	Vertical
*	9780.5	33.8	15.2	49.0	68.2	-19.2	Peak	Vertical
	11650.5	36.9	15.3	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	151
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8361.0	36.3	11.3	47.6	74.0	-26.4	Peak	Horizontal
*	8650.0	36.7	12.9	49.6	68.2	-18.6	Peak	Horizontal
*	9746.5	35.7	15.3	51.0	68.2	-17.2	Peak	Horizontal
	10877.0	35.8	16.8	52.6	74.0	-21.4	Peak	Horizontal
	8446.0	35.5	11.6	47.1	74.0	-26.9	Peak	Vertical
*	8735.0	35.0	12.7	47.7	68.2	-20.5	Peak	Vertical
*	9823.0	34.3	15.3	49.6	68.2	-18.6	Peak	Vertical
	10996.0	35.1	16.6	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	159
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	34.8	11.2	46.0	74.0	-28.0	Peak	Horizontal
*	8735.0	34.6	12.7	47.3	68.2	-20.9	Peak	Horizontal
*	10035.5	35.1	15.4	50.5	68.2	-17.7	Peak	Horizontal
	11072.5	35.9	16.2	52.1	74.0	-21.9	Peak	Horizontal
	8318.5	34.2	11.1	45.3	74.0	-28.7	Peak	Vertical
*	8769.0	34.6	12.9	47.5	68.2	-20.7	Peak	Vertical
*	10120.5	34.3	15.6	49.9	68.2	-18.3	Peak	Vertical
	11293.5	36.0	15.7	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	36
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8327.0	35.1	10.9	46.0	74.0	-28.0	Peak	Horizontal
*	8735.0	33.4	12.7	46.1	68.2	-22.1	Peak	Horizontal
*	10010.0	34.1	15.1	49.2	68.2	-19.0	Peak	Horizontal
	11157.5	36.7	15.8	52.5	74.0	-21.5	Peak	Horizontal
	8318.5	35.5	11.1	46.6	74.0	-27.4	Peak	Vertical
*	8760.5	36.2	12.9	49.1	68.2	-19.1	Peak	Vertical
*	9857.0	33.2	15.4	48.6	68.2	-19.6	Peak	Vertical
	10996.0	34.7	16.6	51.3	74.0	-22.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	44
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8250.5	34.1	11.4	45.5	74.0	-28.5	Peak	Horizontal
*	8769.0	35.0	12.9	47.9	68.2	-20.3	Peak	Horizontal
*	9729.5	35.5	15.1	50.6	68.2	-17.6	Peak	Horizontal
	10979.0	35.6	16.5	52.1	74.0	-21.9	Peak	Horizontal
	8488.5	36.9	11.6	48.5	74.0	-25.5	Peak	Vertical
*	8735.0	35.3	12.7	48.0	68.2	-20.2	Peak	Vertical
*	9721.0	34.3	15.1	49.4	68.2	-18.8	Peak	Vertical
	10987.5	36.0	16.6	52.6	74.0	-21.4	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	48
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7647.0	38.8	10.4	49.2	74.0	-24.8	Peak	Horizontal
	8242.0	36.1	11.2	47.3	74.0	-26.7	Peak	Horizontal
*	8777.5	35.7	12.8	48.5	68.2	-19.7	Peak	Horizontal
*	9721.0	35.1	15.1	50.2	68.2	-18.0	Peak	Horizontal
	7613.0	37.7	10.7	48.4	74.0	-25.6	Peak	Vertical
	8335.5	36.5	11.0	47.5	74.0	-26.5	Peak	Vertical
*	8735.0	37.1	12.7	49.8	68.2	-18.4	Peak	Vertical
*	9780.5	36.0	15.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	52
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	35.6	11.5	47.1	74.0	-26.9	Peak	Horizontal
*	8888.0	35.3	12.7	48.0	68.2	-20.2	Peak	Horizontal
*	9874.0	34.6	15.6	50.2	68.2	-18.0	Peak	Horizontal
	10860.0	35.5	16.5	52.0	74.0	-22.0	Peak	Horizontal
	8310.0	35.8	11.2	47.0	74.0	-27.0	Peak	Vertical
*	8760.5	35.6	12.9	48.5	68.2	-19.7	Peak	Vertical
*	9857.0	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical
	10885.5	35.6	16.7	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	60
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8454.5	37.3	11.6	48.9	74.0	-25.1	Peak	Horizontal
*	8769.0	35.1	12.9	48.0	68.2	-20.2	Peak	Horizontal
*	9916.5	34.9	15.2	50.1	68.2	-18.1	Peak	Horizontal
	10868.5	35.6	16.6	52.2	74.0	-21.8	Peak	Horizontal
	8403.5	34.8	11.4	46.2	74.0	-27.8	Peak	Vertical
*	8888.0	34.7	12.7	47.4	68.2	-20.8	Peak	Vertical
*	9670.0	33.3	14.5	47.8	68.2	-20.4	Peak	Vertical
	11574.0	36.1	15.6	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	64
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8429.0	35.5	11.4	46.9	74.0	-27.1	Peak	Horizontal
*	8718.0	34.7	12.8	47.5	68.2	-20.7	Peak	Horizontal
*	9746.5	35.0	15.3	50.3	68.2	-17.9	Peak	Horizontal
	10894.0	35.9	16.5	52.4	74.0	-21.6	Peak	Horizontal
	8293.0	34.4	11.1	45.5	74.0	-28.5	Peak	Vertical
*	8735.0	34.6	12.7	47.3	68.2	-20.9	Peak	Vertical
*	9874.0	34.7	15.6	50.3	68.2	-17.9	Peak	Vertical
	10681.5	36.3	16.2	52.5	74.0	-21.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	100
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8378.0	33.5	11.0	44.5	74.0	-29.5	Peak	Horizontal
*	8658.5	34.4	12.8	47.2	68.2	-21.0	Peak	Horizontal
*	9925.0	34.8	15.1	49.9	68.2	-18.3	Peak	Horizontal
	10911.0	35.9	16.4	52.3	74.0	-21.7	Peak	Horizontal
	8165.5	35.5	11.5	47.0	74.0	-27.0	Peak	Vertical
*	8701.0	35.7	13.0	48.7	68.2	-19.5	Peak	Vertical
*	9874.0	34.9	15.6	50.5	68.2	-17.7	Peak	Vertical
	10639.0	36.6	16.2	52.8	74.0	-21.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	116
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	35.2	11.2	46.4	74.0	-27.6	Peak	Horizontal
*	8692.5	33.6	13.1	46.7	68.2	-21.5	Peak	Horizontal
*	10273.5	34.6	15.8	50.4	68.2	-17.8	Peak	Horizontal
	11489.0	35.2	16.3	51.5	74.0	-22.5	Peak	Horizontal
	8208.0	37.1	11.4	48.5	74.0	-25.5	Peak	Vertical
*	8658.5	35.2	12.8	48.0	68.2	-20.2	Peak	Vertical
*	9993.0	34.5	15.1	49.6	68.2	-18.6	Peak	Vertical
	10885.5	36.0	16.7	52.7	74.0	-21.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	140
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	34.9	11.2	46.1	74.0	-27.9	Peak	Horizontal
*	8675.5	34.6	12.6	47.2	68.2	-21.0	Peak	Horizontal
*	9738.0	35.3	15.2	50.5	68.2	-17.7	Peak	Horizontal
	10996.0	35.1	16.6	51.7	74.0	-22.3	Peak	Horizontal
	8403.5	35.7	11.4	47.1	74.0	-26.9	Peak	Vertical
*	8701.0	34.9	13.0	47.9	68.2	-20.3	Peak	Vertical
*	9993.0	33.2	15.1	48.3	68.2	-19.9	Peak	Vertical
	10953.5	35.3	16.9	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	144
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	37.0	10.5	47.5	74.0	-26.5	Peak	Horizontal
*	8811.5	34.8	13.3	48.1	68.2	-20.1	Peak	Horizontal
*	9602.0	35.4	14.4	49.8	68.2	-18.4	Peak	Horizontal
	11608.0	37.2	15.8	53.0	74.0	-21.0	Peak	Horizontal
	8420.5	35.4	11.4	46.8	74.0	-27.2	Peak	Vertical
*	8667.0	34.5	12.5	47.0	68.2	-21.2	Peak	Vertical
*	10290.5	35.4	15.7	51.1	68.2	-17.1	Peak	Vertical
	10936.5	35.3	16.6	51.9	74.0	-22.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	149
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8378.0	34.2	11.0	45.2	74.0	-28.8	Peak	Horizontal
*	8769.0	34.4	12.9	47.3	68.2	-20.9	Peak	Horizontal
*	9755.0	34.8	15.3	50.1	68.2	-18.1	Peak	Horizontal
	11208.5	36.4	15.9	52.3	74.0	-21.7	Peak	Horizontal
	8284.5	35.4	11.2	46.6	74.0	-27.4	Peak	Vertical
*	8854.0	35.3	12.8	48.1	68.2	-20.1	Peak	Vertical
*	10265.0	34.4	15.7	50.1	68.2	-18.1	Peak	Vertical
	11081.0	36.3	16.3	52.6	74.0	-21.4	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	157
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8480.0	36.9	11.5	48.4	74.0	-25.6	Peak	Horizontal
*	8692.5	35.2	13.1	48.3	68.2	-19.9	Peak	Horizontal
*	9882.5	35.3	15.4	50.7	68.2	-17.5	Peak	Horizontal
	10953.5	35.6	16.9	52.5	74.0	-21.5	Peak	Horizontal
	8284.5	36.0	11.2	47.2	74.0	-26.8	Peak	Vertical
*	8735.0	34.0	12.7	46.7	68.2	-21.5	Peak	Vertical
*	9763.5	33.9	15.2	49.1	68.2	-19.1	Peak	Vertical
	10732.5	34.6	15.9	50.5	74.0	-23.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	165
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8412.0	35.9	11.3	47.2	74.0	-26.8	Peak	Horizontal
*	8735.0	34.2	12.7	46.9	68.2	-21.3	Peak	Horizontal
*	9797.5	34.0	15.2	49.2	68.2	-19.0	Peak	Horizontal
	11506.0	36.3	16.0	52.3	74.0	-21.7	Peak	Horizontal
	8310.0	34.0	11.2	45.2	74.0	-28.8	Peak	Vertical
*	8709.5	33.3	12.9	46.2	68.2	-22.0	Peak	Vertical
*	10137.5	35.4	15.6	51.0	68.2	-17.2	Peak	Vertical
	10885.5	34.8	16.7	51.5	74.0	-22.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	38
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8369.5	34.4	11.1	45.5	74.0	-28.5	Peak	Horizontal
*	8692.5	35.2	13.1	48.3	68.2	-19.9	Peak	Horizontal
*	10078.0	34.1	15.1	49.2	68.2	-19.0	Peak	Horizontal
	11497.5	36.1	16.2	52.3	74.0	-21.7	Peak	Horizontal
	8429.0	36.4	11.4	47.8	74.0	-26.2	Peak	Vertical
*	8811.5	34.0	13.3	47.3	68.2	-20.9	Peak	Vertical
*	9780.5	33.6	15.2	48.8	68.2	-19.4	Peak	Vertical
	10979.0	34.9	16.5	51.4	74.0	-22.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	46
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	36.9	10.8	47.7	74.0	-26.3	Peak	Horizontal
	8327.0	36.6	10.9	47.5	74.0	-26.5	Peak	Horizontal
*	8641.5	35.1	12.5	47.6	68.2	-20.6	Peak	Horizontal
*	9738.0	36.4	15.2	51.6	68.2	-16.6	Peak	Horizontal
	7536.5	37.0	10.8	47.8	74.0	-26.2	Peak	Vertical
	8199.5	36.4	11.4	47.8	74.0	-26.2	Peak	Vertical
*	8743.5	36.0	12.8	48.8	68.2	-19.4	Peak	Vertical
*	9916.5	36.7	15.2	51.9	68.2	-16.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	54
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	35.3	11.2	46.5	74.0	-27.5	Peak	Horizontal
*	8820.0	34.3	13.2	47.5	68.2	-20.7	Peak	Horizontal
*	10035.5	34.2	15.4	49.6	68.2	-18.6	Peak	Horizontal
	10945.0	35.7	16.8	52.5	74.0	-21.5	Peak	Horizontal
	8131.5	35.7	11.4	47.1	74.0	-26.9	Peak	Vertical
*	8701.0	35.1	13.0	48.1	68.2	-20.1	Peak	Vertical
*	10333.0	35.3	15.9	51.2	68.2	-17.0	Peak	Vertical
	10928.0	33.9	16.6	50.5	74.0	-23.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	62
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8412.0	35.2	11.3	46.5	74.0	-27.5	Peak	Horizontal
*	8811.5	33.8	13.3	47.1	68.2	-21.1	Peak	Horizontal
*	10010.0	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	11242.5	35.5	16.2	51.7	74.0	-22.3	Peak	Horizontal
	8412.0	35.2	11.3	46.5	74.0	-27.5	Peak	Vertical
*	8658.5	35.0	12.8	47.8	68.2	-20.4	Peak	Vertical
*	10341.5	35.0	15.8	50.8	68.2	-17.4	Peak	Vertical
	10945.0	36.3	16.8	53.1	74.0	-20.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	102
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8437.5	35.1	11.4	46.5	74.0	-27.5	Peak	Horizontal
*	8888.0	34.8	12.7	47.5	68.2	-20.7	Peak	Horizontal
*	9721.0	32.6	15.1	47.7	68.2	-20.5	Peak	Horizontal
	10868.5	36.3	16.6	52.9	74.0	-21.1	Peak	Horizontal
	8276.0	35.0	11.2	46.2	74.0	-27.8	Peak	Vertical
*	8658.5	34.6	12.8	47.4	68.2	-20.8	Peak	Vertical
*	10299.0	35.3	15.6	50.9	68.2	-17.3	Peak	Vertical
	10622.0	36.1	16.2	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	110
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8174.0	35.4	11.4	46.8	74.0	-27.2	Peak	Horizontal
*	8811.5	33.7	13.3	47.0	68.2	-21.2	Peak	Horizontal
*	10120.5	33.7	15.6	49.3	68.2	-18.9	Peak	Horizontal
	11480.5	36.6	16.2	52.8	74.0	-21.2	Peak	Horizontal
	8352.5	34.1	11.2	45.3	74.0	-28.7	Peak	Vertical
*	8701.0	33.7	13.0	46.7	68.2	-21.5	Peak	Vertical
*	9636.0	35.0	14.5	49.5	68.2	-18.7	Peak	Vertical
	11633.5	37.2	15.3	52.5	74.0	-21.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	134
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8361.0	35.0	11.3	46.3	74.0	-27.7	Peak	Horizontal
*	8735.0	34.5	12.7	47.2	68.2	-21.0	Peak	Horizontal
*	9857.0	34.2	15.4	49.6	68.2	-18.6	Peak	Horizontal
	11081.0	35.4	16.3	51.7	74.0	-22.3	Peak	Horizontal
	8437.5	36.0	11.4	47.4	74.0	-26.6	Peak	Vertical
*	8692.5	35.1	13.1	48.2	68.2	-20.0	Peak	Vertical
*	9840.0	35.3	15.4	50.7	68.2	-17.5	Peak	Vertical
	10953.5	35.5	16.9	52.4	74.0	-21.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	142
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8225.0	35.3	11.4	46.7	74.0	-27.3	Peak	Horizontal
*	8641.5	35.3	12.5	47.8	68.2	-20.4	Peak	Horizontal
*	10205.5	35.0	15.6	50.6	68.2	-17.6	Peak	Horizontal
	10928.0	35.1	16.6	51.7	74.0	-22.3	Peak	Horizontal
	8403.5	36.1	11.4	47.5	74.0	-26.5	Peak	Vertical
*	8811.5	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
*	9874.0	34.0	15.6	49.6	68.2	-18.6	Peak	Vertical
	10928.0	35.1	16.6	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	151
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8446.0	35.4	11.6	47.0	74.0	-27.0	Peak	Horizontal
*	8879.5	34.3	12.8	47.1	68.2	-21.1	Peak	Horizontal
*	9857.0	33.8	15.4	49.2	68.2	-19.0	Peak	Horizontal
	10868.5	35.1	16.6	51.7	74.0	-22.3	Peak	Horizontal
	8242.0	35.0	11.2	46.2	74.0	-27.8	Peak	Vertical
*	8709.5	34.5	12.9	47.4	68.2	-20.8	Peak	Vertical
*	9874.0	33.9	15.6	49.5	68.2	-18.7	Peak	Vertical
	11480.5	35.9	16.2	52.1	74.0	-21.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	159
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	34.8	11.5	46.3	74.0	-27.7	Peak	Horizontal
*	8854.0	35.7	12.8	48.5	68.2	-19.7	Peak	Horizontal
*	9993.0	33.6	15.1	48.7	68.2	-19.5	Peak	Horizontal
	11480.5	35.9	16.2	52.1	74.0	-21.9	Peak	Horizontal
	8293.0	35.0	11.1	46.1	74.0	-27.9	Peak	Vertical
*	8624.5	35.0	12.3	47.3	68.2	-20.9	Peak	Vertical
*	10129.0	33.8	15.8	49.6	68.2	-18.6	Peak	Vertical
	11701.5	35.8	15.3	51.1	74.0	-22.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	42
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8412.0	35.4	11.3	46.7	74.0	-27.3	Peak	Horizontal
*	8760.5	33.8	12.9	46.7	68.2	-21.5	Peak	Horizontal
*	9857.0	32.9	15.4	48.3	68.2	-19.9	Peak	Horizontal
	10953.5	35.4	16.9	52.3	74.0	-21.7	Peak	Horizontal
	7434.5	35.5	10.9	46.4	74.0	-27.6	Peak	Vertical
*	8607.5	37.3	12.2	49.5	68.2	-18.7	Peak	Vertical
*	9865.5	34.4	15.5	49.9	68.2	-18.3	Peak	Vertical
	10936.5	34.1	16.6	50.7	74.0	-23.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	58
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	34.5	11.5	46.0	74.0	-28.0	Peak	Horizontal
*	8896.5	34.0	12.9	46.9	68.2	-21.3	Peak	Horizontal
*	9831.5	33.0	15.4	48.4	68.2	-19.8	Peak	Horizontal
	11183.0	33.8	15.6	49.4	74.0	-24.6	Peak	Horizontal
	8386.5	34.0	11.1	45.1	74.0	-28.9	Peak	Vertical
*	8684.0	35.7	12.9	48.6	68.2	-19.6	Peak	Vertical
*	10129.0	34.1	15.8	49.9	68.2	-18.3	Peak	Vertical
	11183.0	33.8	15.6	49.4	74.0	-24.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	106
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8378.0	35.7	11.0	46.7	74.0	-27.3	Peak	Horizontal
*	8735.0	34.6	12.7	47.3	68.2	-20.9	Peak	Horizontal
*	9993.0	33.8	15.1	48.9	68.2	-19.3	Peak	Horizontal
	11608.0	35.8	15.8	51.6	74.0	-22.4	Peak	Horizontal
	8327.0	34.9	10.9	45.8	74.0	-28.2	Peak	Vertical
*	8769.0	33.6	12.9	46.5	68.2	-21.7	Peak	Vertical
*	9789.0	34.4	15.2	49.6	68.2	-18.6	Peak	Vertical
	11429.5	35.8	15.9	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	122
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	35.5	11.4	46.9	74.0	-27.1	Peak	Horizontal
*	8743.5	35.8	12.8	48.6	68.2	-19.6	Peak	Horizontal
*	9993.0	34.7	15.1	49.8	68.2	-18.4	Peak	Horizontal
	11429.5	35.8	15.9	51.7	74.0	-22.3	Peak	Horizontal
	8403.5	35.5	11.4	46.9	74.0	-27.1	Peak	Vertical
*	8828.5	33.7	12.9	46.6	68.2	-21.6	Peak	Vertical
*	9772.0	33.2	15.2	48.4	68.2	-19.8	Peak	Vertical
	10902.5	33.3	16.4	49.7	74.0	-24.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	138
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	35.1	11.4	46.5	74.0	-27.5	Peak	Horizontal
*	8888.0	33.5	12.7	46.2	68.2	-22.0	Peak	Horizontal
*	10010.0	32.8	15.1	47.9	68.2	-20.3	Peak	Horizontal
	10792.0	34.3	16.0	50.3	74.0	-23.7	Peak	Horizontal
	8276.0	34.9	11.2	46.1	74.0	-27.9	Peak	Vertical
*	8735.0	34.2	12.7	46.9	68.2	-21.3	Peak	Vertical
*	9874.0	33.1	15.6	48.7	68.2	-19.5	Peak	Vertical
	10851.5	35.3	16.5	51.8	74.0	-22.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	155
Antenna	150mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8412.0	34.6	11.3	45.9	74.0	-28.1	Peak	Horizontal
*	8794.5	33.7	12.9	46.6	68.2	-21.6	Peak	Horizontal
*	9942.0	33.4	15.0	48.4	68.2	-19.8	Peak	Horizontal
	10826.0	33.5	16.4	49.9	74.0	-24.1	Peak	Horizontal
	8352.5	34.8	11.2	46.0	74.0	-28.0	Peak	Vertical
*	8709.5	33.4	12.9	46.3	68.2	-21.9	Peak	Vertical
*	9797.5	33.2	15.2	48.4	68.2	-19.8	Peak	Vertical
	10936.5	35.7	16.6	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	36
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8327.0	37.0	10.9	47.9	74.0	-26.1	Peak	Horizontal
*	8658.5	35.8	12.8	48.6	68.2	-19.6	Peak	Horizontal
*	10231.0	35.1	15.7	50.8	68.2	-17.4	Peak	Horizontal
	12084.0	36.6	15.0	51.6	74.0	-22.4	Peak	Horizontal
	8378.0	36.5	11.0	47.5	74.0	-26.5	Peak	Vertical
*	8803.0	34.9	13.0	47.9	68.2	-20.3	Peak	Vertical
*	9899.5	34.8	15.1	49.9	68.2	-18.3	Peak	Vertical
	12109.5	35.2	15.2	50.4	74.0	-23.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	44
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	35.5	11.2	46.7	74.0	-27.3	Peak	Horizontal
*	8692.5	35.4	13.1	48.5	68.2	-19.7	Peak	Horizontal
*	9806.0	35.8	15.2	51.0	68.2	-17.2	Peak	Horizontal
	11574.0	35.5	15.6	51.1	74.0	-22.9	Peak	Horizontal
	8293.0	34.6	11.1	45.7	74.0	-28.3	Peak	Vertical
*	8845.5	35.3	12.7	48.0	68.2	-20.2	Peak	Vertical
*	10146.0	35.6	15.4	51.0	68.2	-17.2	Peak	Vertical
	11574.0	35.2	15.6	50.8	74.0	-23.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	48
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8182.5	35.9	11.4	47.3	74.0	-26.7	Peak	Horizontal
*	8658.5	35.2	12.8	48.0	68.2	-20.2	Peak	Horizontal
*	10171.5	34.9	15.5	50.4	68.2	-17.8	Peak	Horizontal
	12568.5	37.1	14.9	52.0	74.0	-22.0	Peak	Horizontal
	8259.0	35.6	11.5	47.1	74.0	-26.9	Peak	Vertical
*	8896.5	33.8	12.9	46.7	68.2	-21.5	Peak	Vertical
*	10078.0	34.4	15.1	49.5	68.2	-18.7	Peak	Vertical
	12067.0	37.1	14.9	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	52
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8361.0	36.5	11.3	47.8	74.0	-26.2	Peak	Horizontal
*	8786.0	35.1	12.8	47.9	68.2	-20.3	Peak	Horizontal
*	10222.5	34.5	15.5	50.0	68.2	-18.2	Peak	Horizontal
	11336.0	35.8	15.8	51.6	74.0	-22.4	Peak	Horizontal
	8267.5	36.3	11.4	47.7	74.0	-26.3	Peak	Vertical
*	8811.5	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
*	10214.0	35.4	15.3	50.7	68.2	-17.5	Peak	Vertical
	11565.5	37.2	15.6	52.8	74.0	-21.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	60
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8412.0	36.0	11.3	47.3	74.0	-26.7	Peak	Horizontal
*	8854.0	36.1	12.8	48.9	68.2	-19.3	Peak	Horizontal
*	10350.0	35.3	16.0	51.3	68.2	-16.9	Peak	Horizontal
	10973.7	27.3	16.4	43.7	54.0	-10.3	Average	Horizontal
	10979.0	36.7	16.5	53.2	74.0	-20.8	Peak	Horizontal
	8301.5	36.2	11.2	47.4	74.0	-26.6	Peak	Vertical
*	8692.5	36.0	13.1	49.1	68.2	-19.1	Peak	Vertical
*	10469.0	36.1	16.3	52.4	68.2	-15.8	Peak	Vertical
	11463.5	36.5	15.9	52.4	74.0	-21.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	64
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	37.5	11.4	48.9	74.0	-25.1	Peak	Horizontal
*	8913.5	35.9	13.1	49.0	68.2	-19.2	Peak	Horizontal
*	10035.5	36.5	15.4	51.9	68.2	-16.3	Peak	Horizontal
	11242.5	36.1	16.2	52.3	74.0	-21.7	Peak	Horizontal
	8437.5	36.6	11.4	48.0	74.0	-26.0	Peak	Vertical
*	8888.0	35.4	12.7	48.1	68.2	-20.1	Peak	Vertical
*	10273.5	35.6	15.8	51.4	68.2	-16.8	Peak	Vertical
	10919.5	36.3	16.5	52.8	74.0	-21.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	100
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8429.0	35.9	11.4	47.3	74.0	-26.7	Peak	Horizontal
*	8726.5	36.4	12.8	49.2	68.2	-19.0	Peak	Horizontal
*	9678.5	35.5	14.6	50.1	68.2	-18.1	Peak	Horizontal
	11650.5	37.0	15.3	52.3	74.0	-21.7	Peak	Horizontal
	8131.5	34.8	11.4	46.2	74.0	-27.8	Peak	Vertical
*	8811.5	34.2	13.3	47.5	68.2	-20.7	Peak	Vertical
*	9950.5	34.5	15.0	49.5	68.2	-18.7	Peak	Vertical
	11327.5	35.1	15.7	50.8	74.0	-23.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	116
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	34.2	11.2	45.4	74.0	-28.6	Peak	Horizontal
*	8777.5	34.2	12.8	47.0	68.2	-21.2	Peak	Horizontal
*	10035.5	34.0	15.4	49.4	68.2	-18.8	Peak	Horizontal
	11455.0	37.0	15.9	52.9	74.0	-21.1	Peak	Horizontal
	8276.0	34.2	11.2	45.4	74.0	-28.6	Peak	Vertical
*	8777.5	34.2	12.8	47.0	68.2	-21.2	Peak	Vertical
*	10035.5	34.0	15.4	49.4	68.2	-18.8	Peak	Vertical
	11455.0	37.0	15.9	52.9	74.0	-21.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	140
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8463.0	36.7	11.4	48.1	74.0	-25.9	Peak	Horizontal
*	8752.0	35.7	12.9	48.6	68.2	-19.6	Peak	Horizontal
*	9865.5	34.3	15.5	49.8	68.2	-18.4	Peak	Horizontal
	11140.5	36.5	15.9	52.4	74.0	-21.6	Peak	Horizontal
	8301.5	36.1	11.2	47.3	74.0	-26.7	Peak	Vertical
*	8692.5	35.7	13.1	48.8	68.2	-19.4	Peak	Vertical
*	9933.5	34.8	15.0	49.8	68.2	-18.4	Peak	Vertical
	11268.0	36.0	15.8	51.8	74.0	-22.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	144
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	36.1	11.2	47.3	74.0	-26.7	Peak	Horizontal
*	8947.5	35.8	13.0	48.8	68.2	-19.4	Peak	Horizontal
*	10273.5	36.3	15.8	52.1	68.2	-16.1	Peak	Horizontal
	11072.5	35.8	16.2	52.0	74.0	-22.0	Peak	Horizontal
	8310.0	35.9	11.2	47.1	74.0	-26.9	Peak	Vertical
*	8811.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	10248.0	35.2	15.5	50.7	68.2	-17.5	Peak	Vertical
	10987.5	35.9	16.6	52.5	74.0	-21.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	149
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	35.2	11.4	46.6	74.0	-27.4	Peak	Horizontal
*	8930.5	34.6	13.1	47.7	68.2	-20.5	Peak	Horizontal
*	10027.0	36.0	15.3	51.3	68.2	-16.9	Peak	Horizontal
	10928.0	35.8	16.6	52.4	74.0	-21.6	Peak	Horizontal
	8216.5	35.2	11.4	46.6	74.0	-27.4	Peak	Vertical
*	8811.5	35.6	13.3	48.9	68.2	-19.3	Peak	Vertical
*	10078.0	35.5	15.1	50.6	68.2	-17.6	Peak	Vertical
	10885.5	36.7	16.7	53.4	74.0	-20.6	Peak	Vertical
	10895.3	25.5	16.5	42.0	54.0	-12.0	Average	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	157
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8301.5	36.3	11.2	47.5	74.0	-26.5	Peak	Horizontal
*	8505.5	36.3	11.7	48.0	68.2	-20.2	Peak	Horizontal
*	9950.5	34.3	15.0	49.3	68.2	-18.9	Peak	Horizontal
	11225.5	36.3	15.6	51.9	74.0	-22.1	Peak	Horizontal
	8089.0	35.8	11.8	47.6	74.0	-26.4	Peak	Vertical
*	8726.5	35.9	12.8	48.7	68.2	-19.5	Peak	Vertical
*	10520.0	35.6	16.3	51.9	68.2	-16.3	Peak	Vertical
	11013.0	36.5	16.4	52.9	74.0	-21.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11a	Test Channel	165
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8199.5	35.3	11.4	46.7	74.0	-27.3	Peak	Horizontal
*	8701.0	34.4	13.0	47.4	68.2	-20.8	Peak	Horizontal
*	10129.0	33.8	15.8	49.6	68.2	-18.6	Peak	Horizontal
	11276.5	36.4	15.8	52.2	74.0	-21.8	Peak	Horizontal
	8199.5	35.3	11.4	46.7	74.0	-27.3	Peak	Vertical
*	8803.0	36.4	13.0	49.4	68.2	-18.8	Peak	Vertical
*	10171.5	34.2	15.5	49.8	68.2	-18.4	Peak	Vertical
	10894.0	35.7	16.5	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	36
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	35.0	11.5	46.5	74.0	-27.5	Peak	Horizontal
*	8777.5	34.3	12.8	47.1	68.2	-21.1	Peak	Horizontal
*	9831.5	35.5	15.4	50.9	68.2	-17.3	Peak	Horizontal
	10868.5	35.6	16.6	52.2	74.0	-21.8	Peak	Horizontal
	8420.5	35.4	11.4	46.8	74.0	-27.2	Peak	Vertical
*	8803.0	35.3	13.0	48.3	68.2	-19.9	Peak	Vertical
*	9831.5	35.0	15.4	50.4	68.2	-17.8	Peak	Vertical
	10987.5	35.2	16.6	51.8	74.0	-22.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	44
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8463.0	34.1	11.4	45.5	74.0	-28.5	Peak	Horizontal
*	8811.5	34.5	13.3	47.8	68.2	-20.4	Peak	Horizontal
*	9593.5	36.1	14.7	50.8	68.2	-17.4	Peak	Horizontal
*	10677.5	35.2	16.4	51.6	74.0	-22.4	Peak	Horizontal
	8216.5	36.6	11.4	48.0	74.0	-26.0	Peak	Vertical
	8854.0	34.7	12.8	47.5	68.2	-20.7	Peak	Vertical
*	10290.5	35.4	15.7	51.1	68.2	-17.1	Peak	Vertical
	11412.5	36.2	15.9	52.1	74.0	-21.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	48
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8225.0	34.9	11.4	46.3	74.0	-27.7	Peak	Horizontal
*	8658.5	34.8	12.8	47.6	68.2	-20.6	Peak	Horizontal
*	10137.5	35.2	15.6	50.8	68.2	-17.4	Peak	Horizontal
	11208.5	36.4	15.9	52.3	74.0	-21.7	Peak	Horizontal
	8352.5	35.9	11.2	47.1	74.0	-26.9	Peak	Vertical
*	8871.0	35.7	12.9	48.6	68.2	-19.6	Peak	Vertical
*	10137.5	35.2	15.6	50.8	68.2	-17.4	Peak	Vertical
	11208.5	36.4	15.9	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	52
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8361.0	34.7	11.3	46.0	74.0	-28.0	Peak	Horizontal
*	8667.0	34.7	12.5	47.2	68.2	-21.0	Peak	Horizontal
*	9721.0	34.2	15.1	49.3	68.2	-18.9	Peak	Horizontal
	11242.5	35.6	16.2	51.8	74.0	-22.2	Peak	Horizontal
	8284.5	34.7	11.2	45.9	74.0	-28.1	Peak	Vertical
*	8658.5	35.5	12.8	48.3	68.2	-19.9	Peak	Vertical
*	9729.5	35.8	15.1	50.9	68.2	-17.3	Peak	Vertical
	11497.5	35.5	16.2	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	60
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8301.5	34.9	11.2	46.1	74.0	-27.9	Peak	Horizontal
*	8701.0	35.5	13.0	48.5	68.2	-19.7	Peak	Horizontal
*	9916.5	36.0	15.2	51.2	68.2	-17.0	Peak	Horizontal
	10715.5	35.9	16.2	52.1	74.0	-21.9	Peak	Horizontal
	8420.5	36.0	11.4	47.3	74.0	-26.7	Peak	Vertical
*	8828.5	35.7	12.9	48.6	68.2	-19.6	Peak	Vertical
*	10120.5	35.6	15.6	51.2	68.2	-17.0	Peak	Vertical
	10851.5	35.5	16.5	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	64
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8446.0	35.6	11.6	47.2	74.0	-26.8	Peak	Horizontal
*	8658.5	34.5	12.8	47.3	68.2	-20.9	Peak	Horizontal
*	9874.0	34.0	15.6	49.6	68.2	-18.6	Peak	Horizontal
	11021.5	35.5	16.3	51.8	74.0	-22.2	Peak	Horizontal
	8284.5	35.0	11.2	46.2	74.0	-27.8	Peak	Vertical
*	8709.5	36.6	12.9	49.5	68.2	-18.7	Peak	Vertical
*	10188.5	35.1	15.9	51.0	68.2	-17.2	Peak	Vertical
	10979.0	35.7	16.5	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	100
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8199.5	34.2	11.4	45.6	74.0	-28.4	Peak	Horizontal
*	8684.0	36.4	12.9	49.3	68.2	-18.9	Peak	Horizontal
*	9882.5	34.6	15.4	50.0	68.2	-18.2	Peak	Horizontal
	11378.5	35.6	15.8	51.4	74.0	-22.6	Peak	Horizontal
	8267.5	36.6	11.4	48.0	74.0	-26.0	Peak	Vertical
*	8769.0	34.9	12.9	47.8	68.2	-20.4	Peak	Vertical
*	9746.5	34.9	15.3	50.2	68.2	-18.0	Peak	Vertical
	10970.5	34.0	16.4	50.4	74.0	-23.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	116
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	34.9	11.2	46.1	74.0	-27.9	Peak	Horizontal
*	8658.5	35.7	12.8	48.5	68.2	-19.7	Peak	Horizontal
*	10273.5	35.3	15.8	51.1	68.2	-17.1	Peak	Horizontal
	11455.0	36.1	15.9	52.0	74.0	-22.0	Peak	Horizontal
	8454.5	36.9	11.6	48.5	74.0	-25.5	Peak	Vertical
*	8735.0	34.0	12.7	46.7	68.2	-21.5	Peak	Vertical
*	10146.0	35.2	15.4	50.6	68.2	-17.6	Peak	Vertical
	10868.5	34.9	16.6	51.5	74.0	-22.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	140
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8208.0	34.1	11.4	45.5	74.0	-28.5	Peak	Horizontal
*	8616.0	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	10299.0	35.2	15.6	50.8	68.2	-17.4	Peak	Horizontal
	11140.5	36.1	15.9	52.0	74.0	-22.0	Peak	Horizontal
	8310.0	34.8	11.2	46.0	74.0	-28.0	Peak	Vertical
*	8786.0	34.2	12.8	47.0	68.2	-21.2	Peak	Vertical
*	10146.0	35.3	15.4	50.7	68.2	-17.5	Peak	Vertical
	11480.5	36.7	16.2	52.8	74.0	-21.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	144
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8446.0	36.7	11.6	48.3	74.0	-25.7	Peak	Horizontal
*	8692.5	35.6	13.1	48.7	68.2	-19.5	Peak	Horizontal
*	9627.5	36.0	14.6	50.7	68.2	-17.5	Peak	Horizontal
	10928.0	35.2	16.6	51.8	74.0	-22.2	Peak	Horizontal
	8412.0	35.4	11.3	46.7	74.0	-27.3	Peak	Vertical
*	8743.5	35.9	12.8	48.7	68.2	-19.5	Peak	Vertical
*	10103.5	35.4	15.1	50.5	68.2	-17.7	Peak	Vertical
	10987.5	35.4	16.6	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	149
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	35.9	11.2	47.1	74.0	-26.9	Peak	Horizontal
*	8871.0	35.6	12.9	48.5	68.2	-19.7	Peak	Horizontal
*	10256.5	34.9	15.5	50.4	68.2	-17.8	Peak	Horizontal
	10877.0	35.0	16.8	51.8	74.0	-22.2	Peak	Horizontal
	8327.0	34.3	10.9	45.2	74.0	-28.8	Peak	Vertical
*	8658.5	34.4	12.8	47.2	68.2	-21.0	Peak	Vertical
*	9772.0	34.2	15.2	49.4	68.2	-18.8	Peak	Vertical
	10868.5	35.1	16.6	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	157
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	34.8	11.5	46.3	74.0	-27.7	Peak	Horizontal
*	8854.0	34.1	12.8	46.9	68.2	-21.3	Peak	Horizontal
*	10018.5	35.2	15.1	50.3	68.2	-17.9	Peak	Horizontal
	11285.0	35.9	15.8	51.7	74.0	-22.3	Peak	Horizontal
	8352.5	35.3	11.2	46.5	74.0	-27.5	Peak	Vertical
*	8692.5	35.2	13.1	48.3	68.2	-19.9	Peak	Vertical
*	9636.0	33.4	14.5	47.9	68.2	-20.3	Peak	Vertical
	12203.0	37.2	15.4	52.6	74.0	-21.4	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT20	Test Channel	165
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	34.1	11.2	45.3	74.0	-28.7	Peak	Horizontal
*	8811.5	34.1	13.3	47.4	68.2	-20.8	Peak	Horizontal
*	10265.0	35.0	15.7	50.7	68.2	-17.5	Peak	Horizontal
	11608.0	35.3	15.8	51.1	74.0	-22.9	Peak	Horizontal
	8284.5	33.8	11.2	45.0	74.0	-29.0	Peak	Vertical
*	8633.0	34.4	12.2	46.6	68.2	-21.6	Peak	Vertical
*	9593.5	35.4	14.7	50.1	68.2	-18.1	Peak	Vertical
	10928.0	35.7	16.6	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	38
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8293.0	35.4	11.1	46.5	74.0	-27.5	Peak	Horizontal
*	8777.5	34.8	12.8	47.6	68.2	-20.6	Peak	Horizontal
*	10409.5	35.3	16.0	51.3	68.2	-16.9	Peak	Horizontal
	11531.5	36.2	15.9	52.1	74.0	-21.9	Peak	Horizontal
	8344.0	36.3	11.1	47.4	74.0	-26.6	Peak	Vertical
*	8752.0	35.9	12.9	48.8	68.2	-19.4	Peak	Vertical
*	10146.0	34.7	15.4	50.1	68.2	-18.1	Peak	Vertical
	11166.0	35.9	15.8	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	46
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8208.0	35.8	11.4	47.2	74.0	-26.8	Peak	Horizontal
*	8684.0	36.2	12.9	49.1	68.2	-19.1	Peak	Horizontal
*	10265.0	35.6	15.7	51.3	68.2	-16.9	Peak	Horizontal
	10885.5	35.6	16.7	52.3	74.0	-21.7	Peak	Horizontal
	8225.0	35.2	11.4	46.6	74.0	-27.4	Peak	Vertical
*	8811.5	34.7	13.3	48.0	68.2	-20.2	Peak	Vertical
*	9687.0	34.6	14.6	49.2	68.2	-19.0	Peak	Vertical
	11047.0	36.3	16.2	52.5	74.0	-21.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	54
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8488.5	35.8	11.6	47.4	74.0	-26.6	Peak	Horizontal
*	8684.0	36.5	12.9	49.4	68.2	-18.8	Peak	Horizontal
*	9848.5	34.7	15.4	50.1	68.2	-18.1	Peak	Horizontal
	10919.5	35.3	16.5	51.8	74.0	-22.2	Peak	Horizontal
	8301.5	34.5	11.2	45.7	74.0	-28.3	Peak	Vertical
*	8769.0	33.3	12.9	46.2	68.2	-22.0	Peak	Vertical
*	9857.0	33.2	15.4	48.6	68.2	-19.6	Peak	Vertical
	12118.0	37.1	15.2	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	62
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	35.4	11.4	46.8	74.0	-27.2	Peak	Horizontal
*	8692.5	35.2	13.1	48.3	68.2	-19.9	Peak	Horizontal
*	9644.5	35.7	14.4	50.1	68.2	-18.1	Peak	Horizontal
	11174.5	35.3	15.7	51.0	74.0	-23.0	Peak	Horizontal
	8429.0	36.0	11.4	47.4	74.0	-26.6	Peak	Vertical
*	8684.0	34.7	12.9	47.6	68.2	-20.6	Peak	Vertical
*	10146.0	35.3	15.4	50.7	68.2	-17.5	Peak	Vertical
	11081.0	36.1	16.3	52.4	74.0	-21.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	102
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8420.5	35.6	11.4	47.0	74.0	-27.0	Peak	Horizontal
*	8743.5	35.5	12.8	48.3	68.2	-19.9	Peak	Horizontal
*	9916.5	33.4	15.2	48.6	68.2	-19.6	Peak	Horizontal
	11166.0	35.5	15.8	51.3	74.0	-22.7	Peak	Horizontal
	8259.0	34.9	11.5	46.4	74.0	-27.6	Peak	Vertical
*	8820.0	36.6	13.2	49.8	68.2	-18.4	Peak	Vertical
*	10248.0	36.2	15.5	51.7	68.2	-16.5	Peak	Vertical
	10868.5	35.2	16.6	51.8	74.0	-22.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	110
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8335.5	35.0	11.0	46.0	74.0	-28.0	Peak	Horizontal
*	8752.0	33.8	12.9	46.7	68.2	-21.5	Peak	Horizontal
*	9823.0	33.3	15.3	48.6	68.2	-19.6	Peak	Horizontal
	11072.5	33.6	16.2	49.8	74.0	-24.2	Peak	Horizontal
	8386.5	33.7	11.1	44.8	74.0	-29.2	Peak	Vertical
*	8854.0	34.4	12.8	47.2	68.2	-21.0	Peak	Vertical
*	10078.0	34.7	15.1	49.8	68.2	-18.4	Peak	Vertical
	10885.5	35.6	16.7	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	134
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	36.0	11.4	47.4	74.0	-26.6	Peak	Horizontal
*	8692.5	34.9	13.1	48.0	68.2	-20.2	Peak	Horizontal
*	10061.0	35.9	14.9	50.8	68.2	-17.4	Peak	Horizontal
	10962.0	35.6	16.6	52.2	74.0	-21.8	Peak	Horizontal
	8429.0	34.6	11.4	46.0	74.0	-28.0	Peak	Vertical
*	8718.0	35.1	12.8	47.9	68.2	-20.3	Peak	Vertical
*	9908.0	35.2	15.2	50.4	68.2	-17.8	Peak	Vertical
	11718.5	36.4	15.1	51.5	74.0	-22.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	142
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8429.0	34.6	11.4	46.0	74.0	-28.0	Peak	Horizontal
*	8718.0	35.1	12.8	47.9	68.2	-20.3	Peak	Horizontal
*	9908.0	35.2	15.2	50.4	68.2	-17.8	Peak	Horizontal
	11718.5	36.4	15.1	51.5	74.0	-22.5	Peak	Horizontal
	8267.5	34.9	11.4	46.3	74.0	-27.7	Peak	Vertical
*	8871.0	34.1	12.9	47.0	68.2	-21.2	Peak	Vertical
*	10120.5	33.8	15.6	49.4	68.2	-18.8	Peak	Vertical
	10979.0	34.9	16.5	51.4	74.0	-22.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	151
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8301.5	35.1	11.2	46.3	74.0	-27.7	Peak	Horizontal
*	8692.5	35.1	13.1	48.2	68.2	-20.0	Peak	Horizontal
*	10239.5	34.8	15.7	50.5	68.2	-17.7	Peak	Horizontal
	11242.5	36.1	16.2	52.3	74.0	-21.7	Peak	Horizontal
	8242.0	34.3	11.2	45.5	74.0	-28.5	Peak	Vertical
*	8811.5	33.6	13.3	46.9	68.2	-21.3	Peak	Vertical
*	10443.5	35.5	15.9	51.4	68.2	-16.8	Peak	Vertical
	10902.5	35.8	16.4	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11n-HT40	Test Channel	159
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8420.5	35.7	11.4	47.1	74.0	-26.9	Peak	Horizontal
*	8709.5	35.9	12.9	48.8	68.2	-19.4	Peak	Horizontal
*	9959.0	33.0	14.8	47.8	68.2	-20.4	Peak	Horizontal
	11225.5	34.7	15.6	50.3	74.0	-23.7	Peak	Horizontal
	8352.5	35.6	11.2	46.8	74.0	-27.2	Peak	Vertical
*	8888.0	34.4	12.7	47.1	68.2	-21.1	Peak	Vertical
*	10120.5	34.0	15.6	49.6	68.2	-18.6	Peak	Vertical
	10970.5	35.5	16.4	51.9	74.0	-22.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	36
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	35.0	11.2	46.2	74.0	-27.8	Peak	Horizontal
*	8675.5	35.5	12.6	48.1	68.2	-20.1	Peak	Horizontal
*	9746.5	35.6	15.3	50.9	68.2	-17.3	Peak	Horizontal
	10868.5	35.8	16.6	52.4	74.0	-21.6	Peak	Horizontal
	8463.0	36.5	11.4	47.9	74.0	-26.1	Peak	Vertical
*	8658.5	34.3	12.8	47.1	68.2	-21.1	Peak	Vertical
*	10112.0	35.9	15.3	51.2	68.2	-17.0	Peak	Vertical
	10860.0	35.3	16.5	51.8	74.0	-22.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	44
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8140.0	35.8	11.3	47.1	74.0	-26.9	Peak	Horizontal
*	8811.5	33.8	13.3	47.1	68.2	-21.1	Peak	Horizontal
*	10027.0	34.7	15.3	50.0	68.2	-18.2	Peak	Horizontal
	10911.0	35.5	16.4	51.9	74.0	-22.1	Peak	Horizontal
	8242.0	35.4	11.2	46.6	74.0	-27.4	Peak	Vertical
*	8896.5	34.8	12.9	47.7	68.2	-20.5	Peak	Vertical
*	10163.0	35.3	15.2	50.5	68.2	-17.7	Peak	Vertical
	11072.5	34.0	16.2	50.2	74.0	-23.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	48
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8199.5	33.5	11.4	44.9	74.0	-29.1	Peak	Horizontal
*	8616.0	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	9874.0	33.4	15.6	49.0	68.2	-19.2	Peak	Horizontal
	11497.5	35.6	16.2	51.8	74.0	-22.2	Peak	Horizontal
	8165.5	34.4	11.5	45.9	74.0	-28.1	Peak	Vertical
*	8811.5	34.8	13.3	48.1	68.2	-20.1	Peak	Vertical
*	9678.5	36.9	14.6	51.5	68.2	-16.7	Peak	Vertical
	10970.5	36.3	16.4	52.7	74.0	-21.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	52
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8318.5	33.4	11.1	44.5	74.0	-29.5	Peak	Horizontal
*	8854.0	33.3	12.8	46.1	68.2	-22.1	Peak	Horizontal
*	10248.0	35.6	15.5	51.1	68.2	-17.1	Peak	Horizontal
	11506.0	35.6	16.0	51.6	74.0	-22.4	Peak	Horizontal
	8310.0	34.4	11.2	45.6	74.0	-28.4	Peak	Vertical
*	8769.0	34.0	12.9	46.9	68.2	-21.3	Peak	Vertical
*	9678.5	34.2	14.6	48.8	68.2	-19.4	Peak	Vertical
	11591.0	36.9	15.6	52.5	74.0	-21.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	60
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	34.2	11.2	45.4	74.0	-28.6	Peak	Horizontal
*	8735.0	34.4	12.7	47.1	68.2	-21.1	Peak	Horizontal
*	10239.5	35.5	15.7	51.2	68.2	-17.0	Peak	Horizontal
	11370.0	35.9	15.9	51.8	74.0	-22.2	Peak	Horizontal
	8242.0	35.1	11.2	46.3	74.0	-27.7	Peak	Vertical
*	8905.0	33.8	13.1	46.9	68.2	-21.3	Peak	Vertical
*	10214.0	35.2	15.3	50.5	68.2	-17.7	Peak	Vertical
	10970.5	35.9	16.4	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	64
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8352.5	34.8	11.2	46.0	74.0	-28.0	Peak	Horizontal
*	8939.0	35.3	13.1	48.4	68.2	-19.8	Peak	Horizontal
*	10477.5	35.2	16.4	51.6	68.2	-16.6	Peak	Horizontal
	11404.0	36.6	15.9	52.5	74.0	-21.5	Peak	Horizontal
	8446.0	36.4	11.6	48.0	74.0	-26.0	Peak	Vertical
*	8947.5	35.6	13.0	48.6	68.2	-19.6	Peak	Vertical
*	9542.5	36.4	14.5	50.9	68.2	-17.3	Peak	Vertical
	10970.5	35.7	16.4	52.1	74.0	-21.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	100
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	34.5	11.2	45.7	74.0	-28.3	Peak	Horizontal
*	8760.5	33.4	12.9	46.3	68.2	-21.9	Peak	Horizontal
*	10154.5	35.0	15.3	50.3	68.2	-17.9	Peak	Horizontal
	10877.0	36.0	16.8	52.8	74.0	-21.2	Peak	Horizontal
	8301.5	34.7	11.2	45.9	74.0	-28.1	Peak	Vertical
*	8701.0	34.1	13.0	47.1	68.2	-21.1	Peak	Vertical
*	9721.0	33.4	15.1	48.5	68.2	-19.7	Peak	Vertical
	10860.0	35.7	16.5	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	116
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8361.0	35.0	11.3	46.3	74.0	-27.7	Peak	Horizontal
*	8709.5	34.1	12.9	47.0	68.2	-21.2	Peak	Horizontal
*	10554.0	36.0	16.4	52.4	68.2	-15.8	Peak	Horizontal
	11225.5	36.5	15.6	52.1	74.0	-21.9	Peak	Horizontal
	8403.5	34.6	11.4	46.0	74.0	-28.0	Peak	Vertical
*	8811.5	33.8	13.3	47.1	68.2	-21.1	Peak	Vertical
*	10137.5	35.1	15.6	50.7	68.2	-17.5	Peak	Vertical
	11242.5	36.4	16.2	52.6	74.0	-21.4	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	140
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8386.5	33.6	11.1	44.7	74.0	-29.3	Peak	Horizontal
*	8616.0	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	10307.5	35.9	15.6	51.5	68.2	-16.7	Peak	Horizontal
	10962.0	36.3	16.6	52.9	74.0	-21.1	Peak	Horizontal
	8284.5	35.5	11.2	46.7	74.0	-27.3	Peak	Vertical
*	8854.0	34.7	12.8	47.5	68.2	-20.7	Peak	Vertical
*	10188.5	34.8	15.9	50.7	68.2	-17.5	Peak	Vertical
	11429.5	35.9	15.9	51.8	74.0	-22.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	144
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8301.5	36.1	11.2	47.3	74.0	-26.7	Peak	Horizontal
*	8803.0	37.2	13.0	50.2	68.2	-18.0	Peak	Horizontal
*	10248.0	35.0	15.5	50.5	68.2	-17.7	Peak	Horizontal
	10834.5	36.0	16.4	52.4	74.0	-21.6	Peak	Horizontal
	8310.0	34.6	11.2	45.8	74.0	-28.2	Peak	Vertical
*	8888.0	34.6	12.7	47.3	68.2	-20.9	Peak	Vertical
*	9891.0	34.7	15.2	49.9	68.2	-18.3	Peak	Vertical
	11234.0	36.0	16.0	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	149
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8386.5	34.9	11.1	46.0	74.0	-28.0	Peak	Horizontal
*	8684.0	33.9	12.9	46.8	68.2	-21.4	Peak	Horizontal
*	10290.5	36.5	15.7	52.2	68.2	-16.0	Peak	Horizontal
	10962.0	35.6	16.6	52.2	74.0	-21.8	Peak	Horizontal
	8361.0	36.3	11.3	47.6	74.0	-26.4	Peak	Vertical
*	8752.0	35.1	12.9	48.0	68.2	-20.2	Peak	Vertical
*	9916.5	34.5	15.2	49.7	68.2	-18.5	Peak	Vertical
	11489.0	36.0	16.3	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	157
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8191.0	35.9	11.4	47.3	74.0	-26.7	Peak	Horizontal
*	8658.5	34.8	12.8	47.6	68.2	-20.6	Peak	Horizontal
*	9738.0	35.3	15.2	50.5	68.2	-17.7	Peak	Horizontal
	11336.0	36.0	15.8	51.8	74.0	-22.2	Peak	Horizontal
	8199.5	33.9	11.4	45.3	74.0	-28.7	Peak	Vertical
*	8735.0	33.9	12.7	46.6	68.2	-21.6	Peak	Vertical
*	10154.5	35.4	15.3	50.7	68.2	-17.5	Peak	Vertical
	10945.0	34.9	16.8	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT20	Test Channel	165
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8242.0	34.7	11.2	45.9	74.0	-28.1	Peak	Horizontal
*	8777.5	34.3	12.8	47.1	68.2	-21.1	Peak	Horizontal
*	9687.0	35.7	14.6	50.3	68.2	-17.9	Peak	Horizontal
	11302.0	36.4	15.7	52.1	74.0	-21.9	Peak	Horizontal
	8259.0	34.5	11.5	46.0	74.0	-28.0	Peak	Vertical
*	8718.0	33.8	12.8	46.6	68.2	-21.6	Peak	Vertical
*	10120.5	34.5	15.6	50.1	68.2	-18.1	Peak	Vertical
	11412.5	36.1	15.9	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	38
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8327.0	34.3	10.9	45.2	74.0	-28.8	Peak	Horizontal
*	8879.5	33.7	12.8	46.5	68.2	-21.7	Peak	Horizontal
*	9857.0	33.3	15.4	48.7	68.2	-19.5	Peak	Horizontal
	11302.0	36.1	15.7	51.8	74.0	-22.2	Peak	Horizontal
	8276.0	35.9	11.2	47.1	74.0	-26.9	Peak	Vertical
*	8854.0	34.9	12.8	47.7	68.2	-20.5	Peak	Vertical
*	10027.0	35.2	15.3	50.5	68.2	-17.7	Peak	Vertical
	10928.0	36.3	16.6	52.9	74.0	-21.1	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	46
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8454.5	36.3	11.6	47.9	74.0	-26.1	Peak	Horizontal
*	8616.0	35.4	12.4	47.8	68.2	-20.4	Peak	Horizontal
*	9678.5	34.6	14.6	49.2	68.2	-19.0	Peak	Horizontal
	10962.0	36.0	16.6	52.6	74.0	-21.4	Peak	Horizontal
	8420.5	35.7	11.4	47.1	74.0	-26.9	Peak	Vertical
*	8828.5	34.3	12.9	47.2	68.2	-21.0	Peak	Vertical
*	9772.0	33.8	15.2	49.0	68.2	-19.2	Peak	Vertical
	10996.0	35.7	16.6	52.3	74.0	-21.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	54
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	35.1	11.2	46.3	74.0	-27.7	Peak	Horizontal
*	8760.5	34.8	12.9	47.7	68.2	-20.5	Peak	Horizontal
*	10163.0	35.2	15.2	50.4	68.2	-17.8	Peak	Horizontal
	10970.5	35.0	16.4	51.4	74.0	-22.6	Peak	Horizontal
	8284.5	35.1	11.2	46.3	74.0	-27.7	Peak	Vertical
*	8794.5	35.1	12.9	48.0	68.2	-20.2	Peak	Vertical
*	10129.0	33.8	15.8	49.6	68.2	-18.6	Peak	Vertical
	11353.0	36.6	16.1	52.7	74.0	-21.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	62
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	35.1	11.5	46.6	74.0	-27.4	Peak	Horizontal
*	8743.5	35.3	12.8	48.1	68.2	-20.1	Peak	Horizontal
*	10163.0	36.0	15.2	51.2	68.2	-17.0	Peak	Horizontal
	11616.5	36.8	15.5	52.3	74.0	-21.7	Peak	Horizontal
	8276.0	33.9	11.2	45.1	74.0	-28.9	Peak	Vertical
*	8556.5	37.0	11.9	48.9	68.2	-19.3	Peak	Vertical
*	10222.5	35.8	15.5	51.3	68.2	-16.9	Peak	Vertical
	11438.0	35.9	16.1	52.0	74.0	-22.0	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	102
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8208.0	34.1	11.4	45.5	74.0	-28.5	Peak	Horizontal
*	8769.0	34.2	12.9	47.1	68.2	-21.1	Peak	Horizontal
*	9670.0	35.2	14.5	49.7	68.2	-18.5	Peak	Horizontal
	10979.0	35.9	16.5	52.4	74.0	-21.6	Peak	Horizontal
	8412.0	36.3	11.3	47.6	74.0	-26.4	Peak	Vertical
*	8794.5	35.4	12.9	48.3	68.2	-19.9	Peak	Vertical
*	10324.5	35.2	15.9	51.1	68.2	-17.1	Peak	Vertical
	11404.0	36.9	15.9	52.8	74.0	-21.2	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	110
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8454.5	35.6	11.6	47.2	74.0	-26.8	Peak	Horizontal
*	8692.5	34.2	13.1	47.3	68.2	-20.9	Peak	Horizontal
*	9729.5	35.0	15.1	50.1	68.2	-18.1	Peak	Horizontal
	11387.0	36.0	15.8	51.8	74.0	-22.2	Peak	Horizontal
	8310.0	35.5	11.2	46.7	74.0	-27.3	Peak	Vertical
*	8616.0	34.1	12.4	46.5	68.2	-21.7	Peak	Vertical
*	9916.5	34.7	15.2	49.9	68.2	-18.3	Peak	Vertical
	11344.5	36.1	16.0	52.1	74.0	-21.9	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	134
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8242.0	35.7	11.2	46.9	74.0	-27.1	Peak	Horizontal
*	8658.5	34.7	12.8	47.5	68.2	-20.7	Peak	Horizontal
*	9814.5	33.6	15.3	48.9	68.2	-19.3	Peak	Horizontal
	11404.0	35.9	15.9	51.8	74.0	-22.2	Peak	Horizontal
	8199.5	33.7	11.4	45.1	74.0	-28.9	Peak	Vertical
*	8769.0	35.2	12.9	48.1	68.2	-20.1	Peak	Vertical
*	9857.0	33.2	15.4	48.6	68.2	-19.6	Peak	Vertical
	11149.0	35.8	15.8	51.6	74.0	-22.4	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	142
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8403.5	34.7	11.4	46.1	74.0	-27.9	Peak	Horizontal
*	8624.5	34.1	12.3	46.4	68.2	-21.8	Peak	Horizontal
*	10010.0	34.8	15.1	49.9	68.2	-18.3	Peak	Horizontal
	11599.5	37.1	15.8	52.9	74.0	-21.1	Peak	Horizontal
	8174.0	34.7	11.4	46.1	74.0	-27.9	Peak	Vertical
*	8811.5	34.2	13.3	47.5	68.2	-20.7	Peak	Vertical
*	10307.5	35.4	15.6	51.0	68.2	-17.2	Peak	Vertical
	10894.0	35.2	16.5	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	151
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8165.5	34.7	11.5	46.2	74.0	-27.8	Peak	Horizontal
*	8794.5	33.7	12.9	46.6	68.2	-21.6	Peak	Horizontal
*	9695.5	33.3	14.5	47.8	68.2	-20.4	Peak	Horizontal
	10851.5	34.5	16.5	51.0	74.0	-23.0	Peak	Horizontal
	8208.0	35.8	11.4	47.2	74.0	-26.8	Peak	Vertical
*	8624.5	37.1	12.3	49.4	68.2	-18.8	Peak	Vertical
*	10086.5	35.3	14.9	50.2	68.2	-18.0	Peak	Vertical
	11608.0	36.4	15.8	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT40	Test Channel	159
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	34.3	11.2	45.5	74.0	-28.5	Peak	Horizontal
*	8726.5	33.9	12.8	46.7	68.2	-21.5	Peak	Horizontal
*	10299.0	34.9	15.6	50.5	68.2	-17.7	Peak	Horizontal
	10894.0	35.5	16.5	52.0	74.0	-22.0	Peak	Horizontal
	8412.0	35.3	11.3	46.6	74.0	-27.4	Peak	Vertical
*	8675.5	34.5	12.6	47.1	68.2	-21.1	Peak	Vertical
*	10035.5	35.3	15.4	50.7	68.2	-17.5	Peak	Vertical
	10868.5	34.9	16.6	51.5	74.0	-22.5	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	42
Antenna	1280mm		
Remark	1. Average measurement was not performed if peak level lower than average limit. 3. 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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8344.0	35.3	11.1	46.4	74.0	-27.6	Peak	Horizontal
*	8760.5	34.6	12.9	47.5	68.2	-20.7	Peak	Horizontal
*	9899.5	35.3	15.1	50.4	68.2	-17.8	Peak	Horizontal
	10817.5	36.4	16.2	52.6	74.0	-21.4	Peak	Horizontal
	8310.0	35.5	11.2	46.7	74.0	-27.3	Peak	Vertical
*	8726.5	35.3	12.8	48.1	68.2	-20.1	Peak	Vertical
*	10273.5	35.4	15.8	51.2	68.2	-17.0	Peak	Vertical
	10826.0	34.0	16.4	50.4	74.0	-23.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	58
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8259.0	35.5	11.5	47.0	74.0	-27.0	Peak	Horizontal
*	8888.0	34.1	12.7	46.8	68.2	-21.4	Peak	Horizontal
*	9678.5	34.4	14.6	49.0	68.2	-19.2	Peak	Horizontal
	10809.0	34.5	16.0	50.5	74.0	-23.5	Peak	Horizontal
	8199.5	34.1	11.4	45.5	74.0	-28.5	Peak	Vertical
*	8811.5	34.4	13.3	47.7	68.2	-20.5	Peak	Vertical
*	9899.5	34.2	15.1	49.3	68.2	-18.9	Peak	Vertical
	10911.0	35.3	16.4	51.7	74.0	-22.3	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	106
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	33.9	11.2	45.1	74.0	-28.9	Peak	Horizontal
*	8743.5	33.5	12.8	46.3	68.2	-21.9	Peak	Horizontal
*	9857.0	32.8	15.4	48.2	68.2	-20.0	Peak	Horizontal
	11327.5	35.6	15.7	51.3	74.0	-22.7	Peak	Horizontal
	8378.0	33.4	11.0	44.4	74.0	-29.6	Peak	Vertical
*	8769.0	34.0	12.9	46.9	68.2	-21.3	Peak	Vertical
*	10120.5	33.2	15.6	48.8	68.2	-19.4	Peak	Vertical
	10885.5	34.7	16.7	51.4	74.0	-22.6	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	122
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8361.0	35.3	11.3	46.6	74.0	-27.4	Peak	Horizontal
*	8811.5	35.0	13.3	48.3	68.2	-19.9	Peak	Horizontal
*	9942.0	32.3	15.0	47.3	68.2	-20.9	Peak	Horizontal
	10877.0	34.5	16.8	51.3	74.0	-22.7	Peak	Horizontal
	8276.0	34.0	11.2	45.2	74.0	-28.8	Peak	Vertical
*	8718.0	34.1	12.8	46.9	68.2	-21.3	Peak	Vertical
*	10078.0	34.1	15.1	49.2	68.2	-19.0	Peak	Vertical
	11242.5	35.1	16.2	51.3	74.0	-22.7	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	138
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8352.5	35.2	11.2	46.4	74.0	-27.6	Peak	Horizontal
*	8862.5	35.0	12.9	47.9	68.2	-20.3	Peak	Horizontal
*	9636.0	34.2	14.5	48.7	68.2	-19.5	Peak	Horizontal
	11004.5	35.2	16.5	51.7	74.0	-22.3	Peak	Horizontal
	8412.0	35.5	11.3	46.8	74.0	-27.2	Peak	Vertical
*	8837.0	34.2	12.7	46.9	68.2	-21.3	Peak	Vertical
*	10137.5	35.2	15.6	50.8	68.2	-17.4	Peak	Vertical
	11285.0	36.4	15.8	52.2	74.0	-21.8	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)

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

Product	WLAN+ Bluetooth combo module	Test Engineer	Antony Yang
Test Site	AC1	Test Date	2020/09/03
Test Mode	802.11ac-VHT80	Test Channel	155
Antenna	1280mm		
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)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8344.0	34.2	11.1	45.3	74.0	-28.7	Peak	Horizontal
*	8769.0	34.0	12.9	46.9	68.2	-21.3	Peak	Horizontal
*	10129.0	34.4	15.8	50.2	68.2	-18.0	Peak	Horizontal
	11234.0	35.5	16.0	51.5	74.0	-22.5	Peak	Horizontal
	8395.0	34.8	11.3	46.1	74.0	-27.9	Peak	Vertical
*	8769.0	33.4	12.9	46.3	68.2	-21.9	Peak	Vertical
*	9916.5	33.4	15.2	48.6	68.2	-19.6	Peak	Vertical
	10996.0	35.2	16.6	51.8	74.0	-22.2	Peak	Vertical

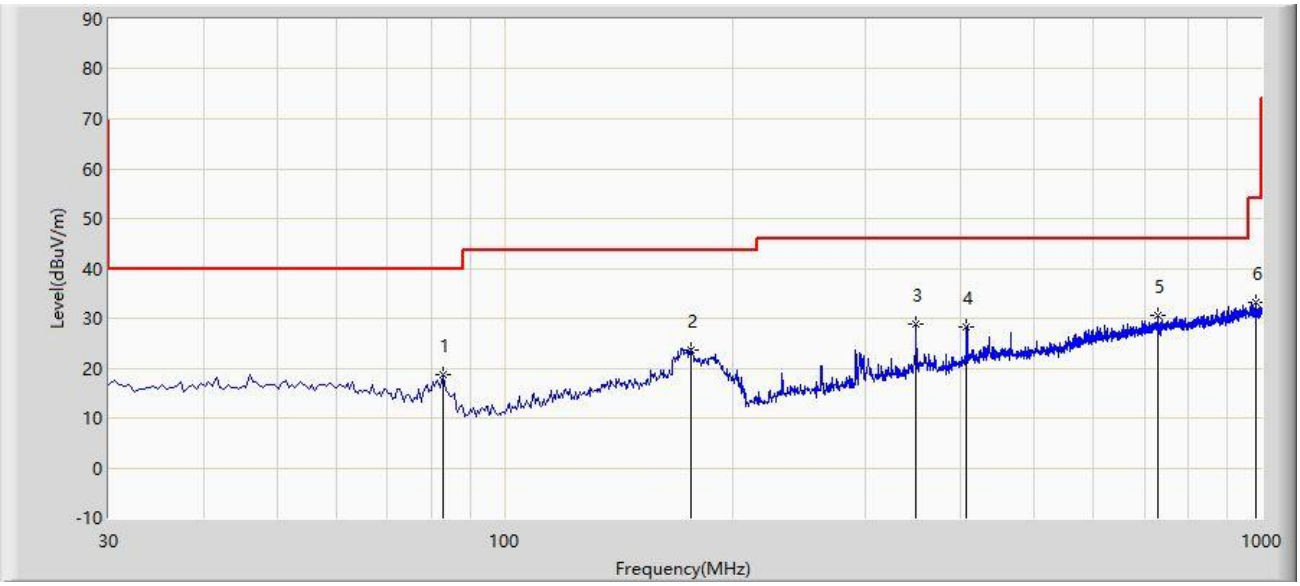
Note 1: "*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Rs Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2020/09/09 - 17:21
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module-150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	



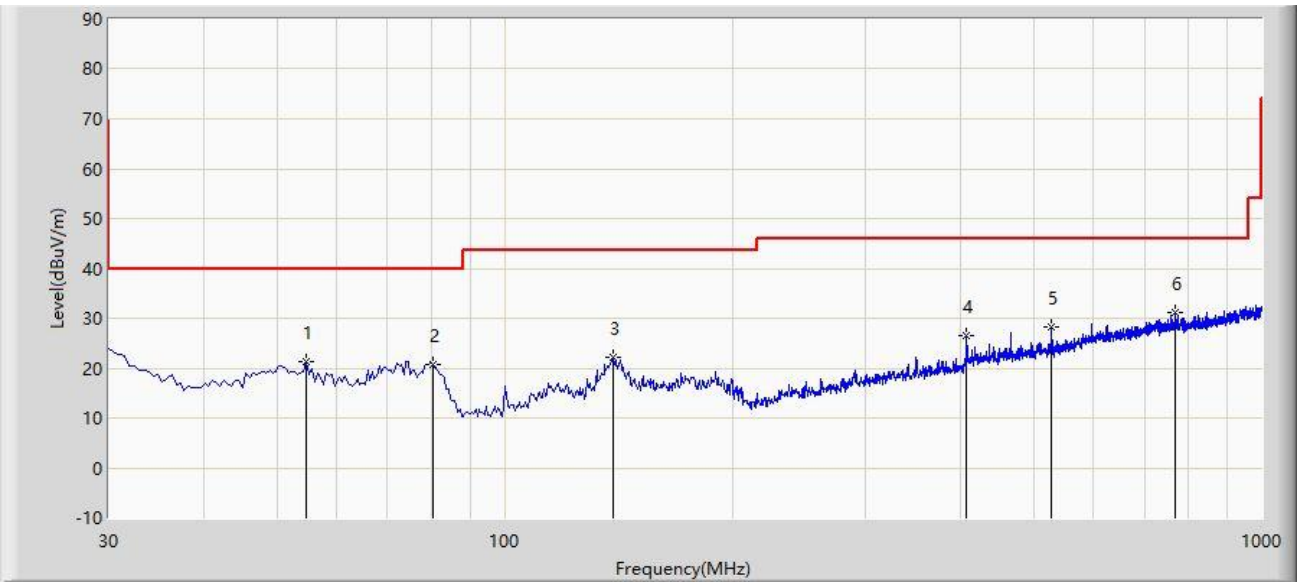
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			82.865	18.597	5.674	-21.403	40.000	12.922	PK
2			176.470	23.768	6.746	-19.732	43.500	17.022	PK
3			349.130	28.719	8.893	-17.281	46.000	19.826	PK
4			407.815	28.222	6.889	-17.778	46.000	21.333	PK
5		*	728.885	30.678	2.717	-15.322	46.000	27.961	PK
6			981.085	33.259	2.537	-20.741	54.000	30.721	PK

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: AC1	Time: 2020/09/09 - 17:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	



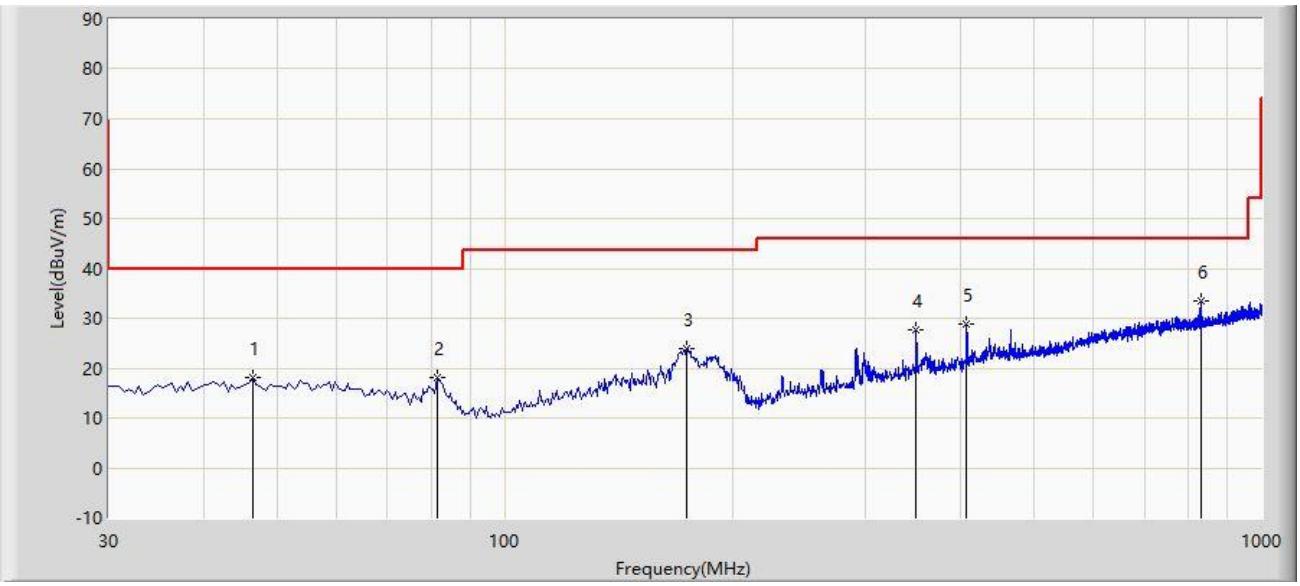
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			54.735	21.277	3.271	-18.723	40.000	18.006	PK
2			80.440	20.634	7.160	-19.366	40.000	13.474	PK
3			139.125	22.205	4.696	-21.295	43.500	17.509	PK
4			407.815	26.660	5.327	-19.340	46.000	21.333	PK
5			528.095	28.130	4.122	-17.870	46.000	24.008	PK
6		*	770.110	31.201	2.605	-14.799	46.000	28.596	PK

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: AC1	Time: 2020/09/09 - 17:31
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _30-1000MHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module-1280mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	



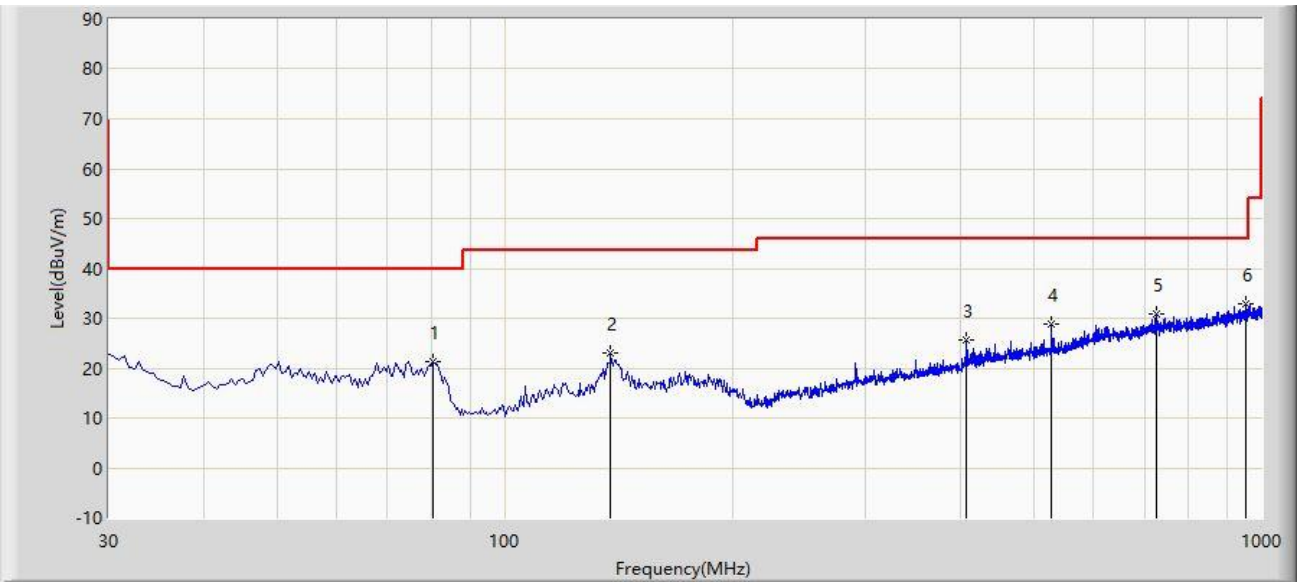
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			46.490	18.243	0.275	-21.757	40.000	17.968	PK
2			81.410	18.029	4.795	-21.971	40.000	13.234	PK
3			174.045	23.891	6.619	-19.609	43.500	17.272	PK
4			349.615	27.768	7.933	-18.232	46.000	19.835	PK
5			407.815	28.972	7.639	-17.028	46.000	21.333	PK
6		*	831.220	33.367	4.229	-12.633	46.000	29.138	PK

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: AC1	Time: 2020/09/09 - 17:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: Dillon Diao
Probe: AC1_VULB 9168 _30-1000MHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 1280mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			80.440	21.286	7.812	-18.714	40.000	13.474	PK
2			138.155	23.072	5.642	-20.428	43.500	17.430	PK
3			407.330	25.626	4.300	-20.374	46.000	21.326	PK
4			528.095	28.845	4.837	-17.155	46.000	24.008	PK
5			725.975	30.777	2.916	-15.223	46.000	27.861	PK
6		*	952.470	32.966	2.361	-13.034	46.000	30.605	PK

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

6.4. Radiated RestrictedBand Edge Measurement

6.4.1.Test Limit

For 15.205 Requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
[1] 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.025 - 8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660 - 1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123 - 138	2200 - 2300	14.47-14.5
8.291-8.294	149.9-150.05	2310–2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	([2])
13.36-13.41	--	--	--

For 15.407(b) Requirement:

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

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

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

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range

from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field Strength (μV/m)	Measured Distance (m)
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

For RSS-Gen Section 8.10requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 8.10 of RSS-Gen, must also comply with the radiated emission limits specified in Section 8.9.

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.009 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.525225	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125-4.128	167.72 - 173.2	14.47 - 14.5
4.17725-4.17775	240 - 285	15.35 - 16.2
4.20725-4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	--
8.37625 - 8.38675	1718.8 -1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 -2390	
12.51975 - 12.52025	2483.5 -2500	
12.57675 - 12.57725	2655 - 2900	
13.36 -13.41	3260 - 3267	
16.42 - 16.423	3332 -3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138		

All out of band emissions appearing in a restricted band as specified in Section 8.10of the RSS-Gen must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9			
Frequency (MHz)	Field Strength (μV/m)	Magnetic Field Strength (H-Field) (μA/m)	Measured Distance (m)
0.009 - 0.4901	--	6.37/F (F in kHz)	300
0.490 - 1.705	--	6.37/F (F in kHz)	30
1.705 - 30	--	0.08	30
30 - 88	100	--	3
88 - 216	150	--	3
216 - 960	200	--	3
Above 960	500	--	3

6.4.2.Test Procedure Used

KDB 789033 D02v02r01- Section G

6.4.3.Test Setting

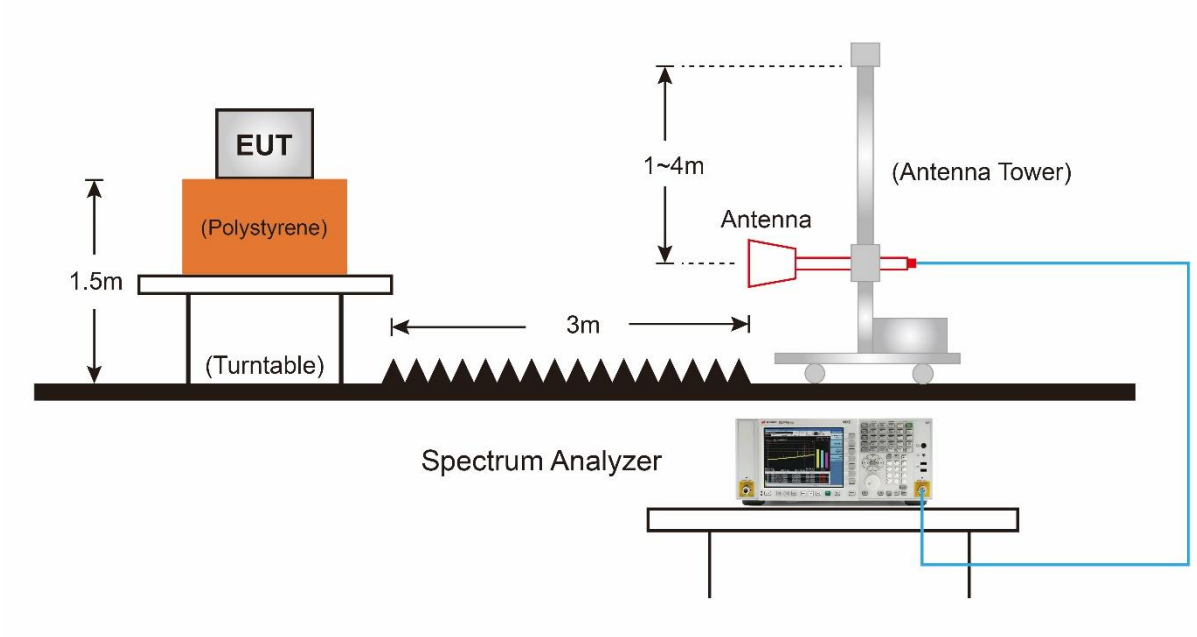
Peak Measurements above 1GHz

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 = 10Hz
4. If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration
5. Detector = Peak
6. Sweep time = Auto
7. Trace mode = Max hold
8. Trace was allowed to stabilize

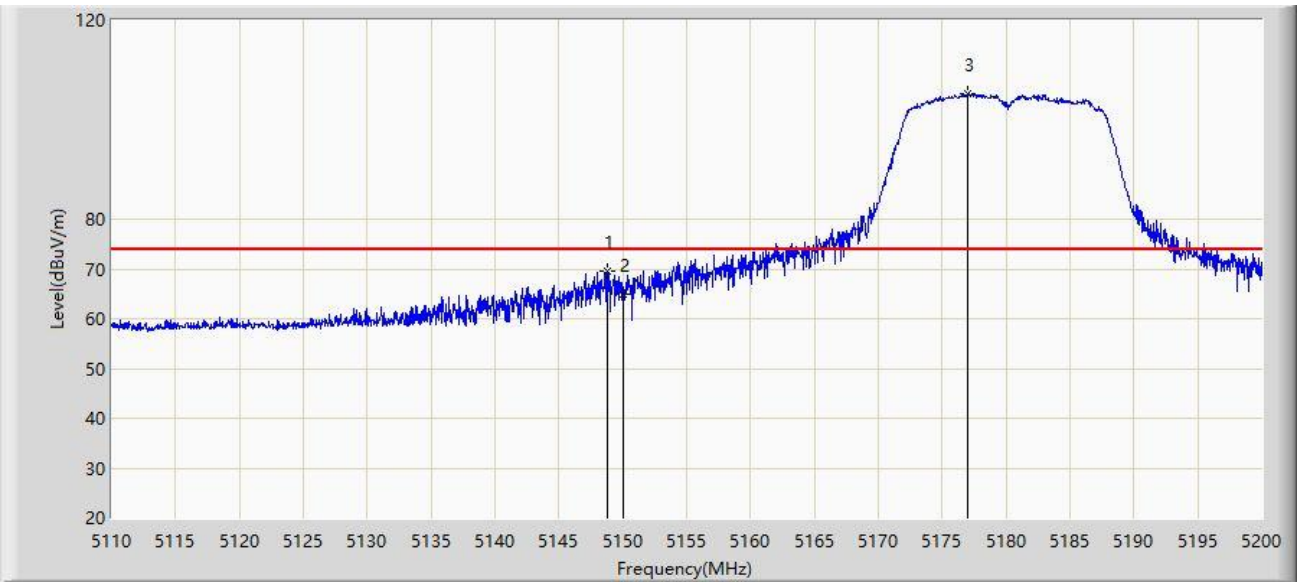
6.4.4.Test Setup



6.4.5.Test Result

150mm Antenna:

Site: AC1	Time: 2020/09/02 - 15:09
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz	

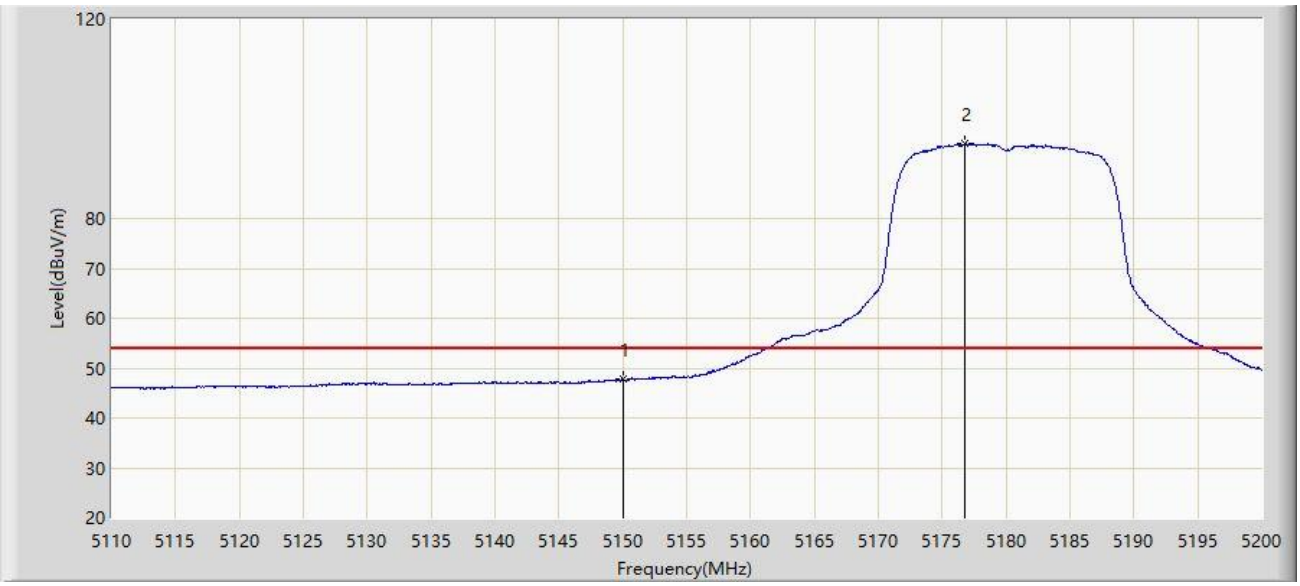


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5148.835	69.675	63.222	-4.325	74.000	6.454	PK
2			5150.000	64.819	58.367	-9.181	74.000	6.452	PK
3			5176.960	105.254	98.759	N/A	N/A	6.495	PK

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

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

Site: AC1	Time: 2020/09/02 - 15:13
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz	

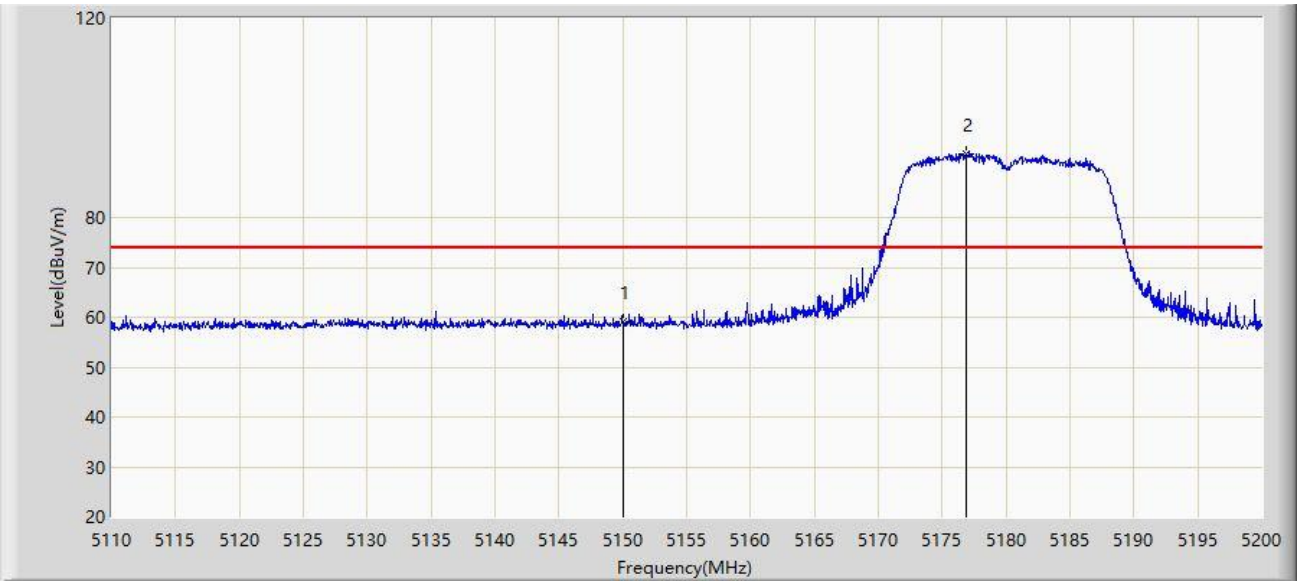


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5150.000	47.739	41.287	-6.261	54.000	6.452	AV
2			5176.780	95.067	88.574	N/A	N/A	6.493	AV

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

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

Site: AC1	Time: 2020/09/02 - 15:16
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz	

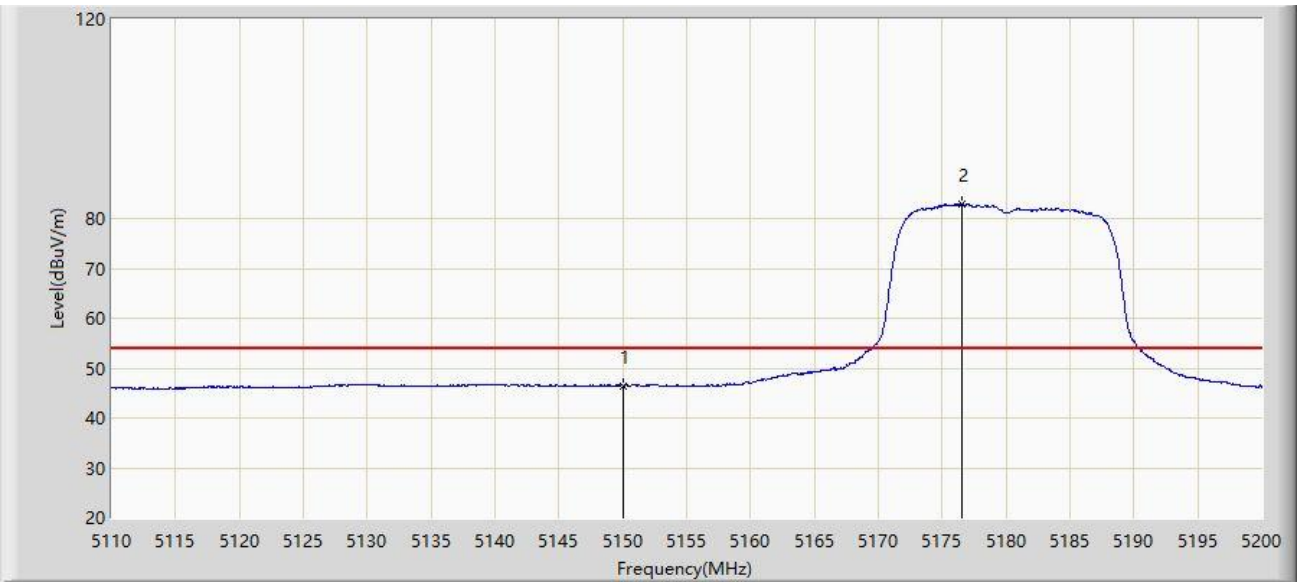


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5150.000	59.025	52.573	-14.975	74.000	6.452	PK
2			5176.915	92.853	86.359	N/A	N/A	6.495	PK

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

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

Site: AC1	Time: 2020/09/02 - 15:16
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz	

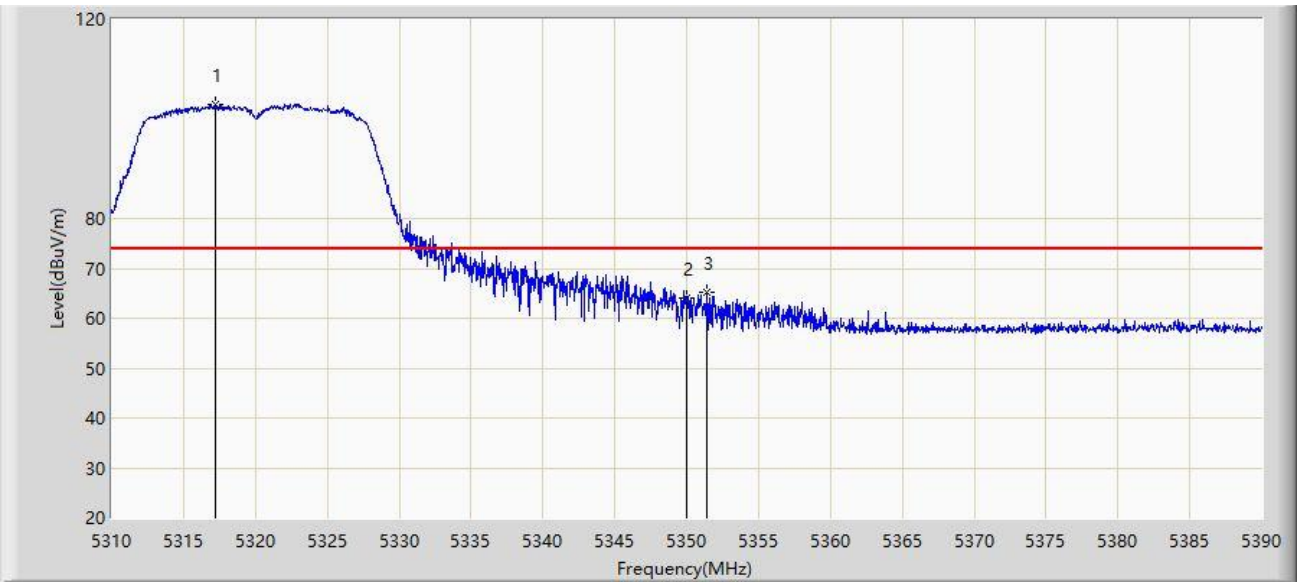


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5150.000	46.454	40.002	-7.546	54.000	6.452	AV
2			5176.555	82.923	76.431	N/A	N/A	6.492	AV

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

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

Site: AC1	Time: 2020/09/02 - 15:19
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz	

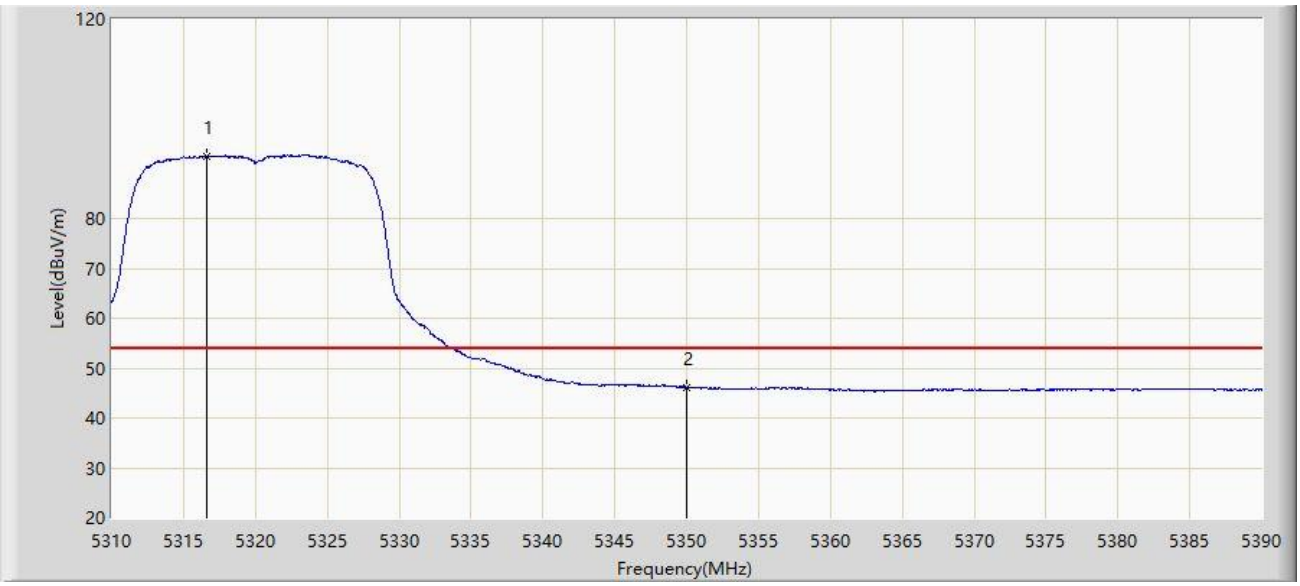


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5317.240	102.766	96.683	N/A	N/A	6.083	PK
2			5350.000	63.945	57.487	-10.055	74.000	6.458	PK
3		*	5351.360	65.248	58.833	-8.752	74.000	6.415	PK

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

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

Site: AC1	Time: 2020/09/02 - 15:22
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz	

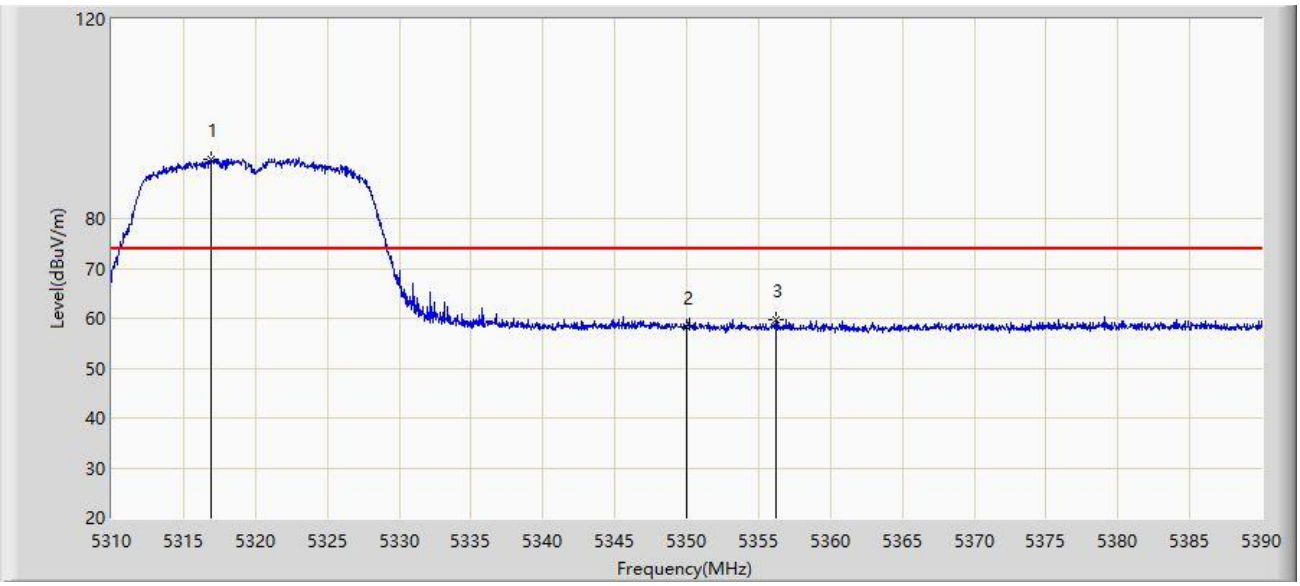


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5316.600	92.573	86.504	N/A	N/A	6.069	AV
2		*	5350.000	46.057	39.599	-7.943	54.000	6.458	AV

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

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

Site: AC1	Time: 2020/09/02 - 15:23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz	

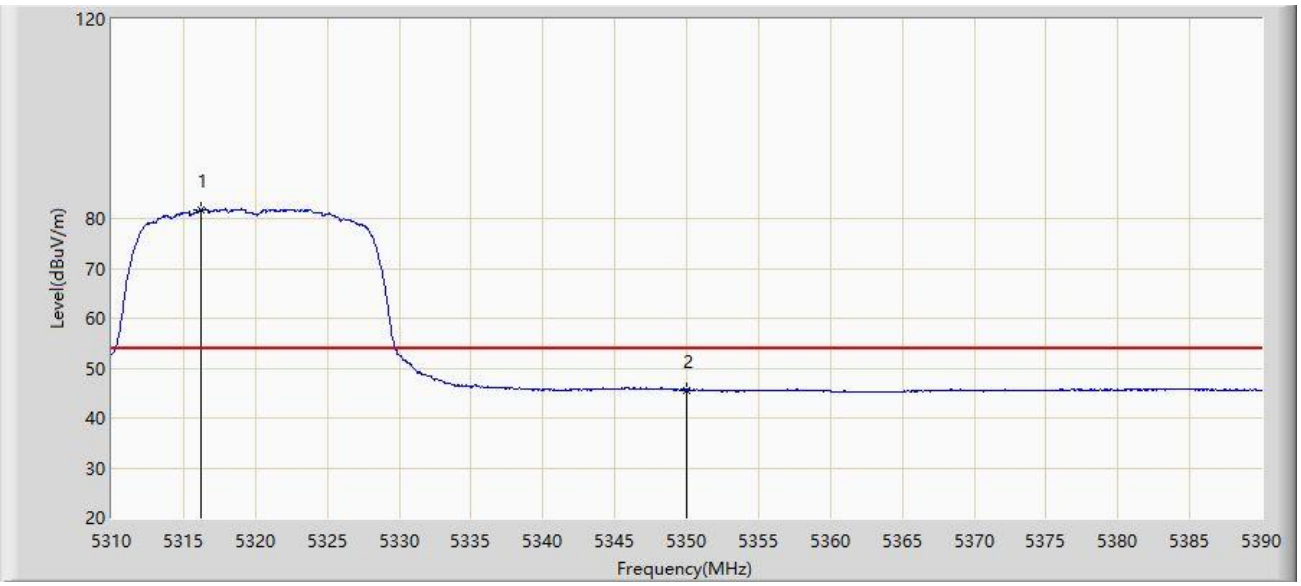


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5316.960	92.013	85.936	N/A	N/A	6.077	PK
2			5350.000	58.268	51.810	-15.732	74.000	6.458	PK
3		*	5356.200	59.709	53.423	-14.291	74.000	6.286	PK

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

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

Site: AC1	Time: 2020/09/02 - 15:23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz	

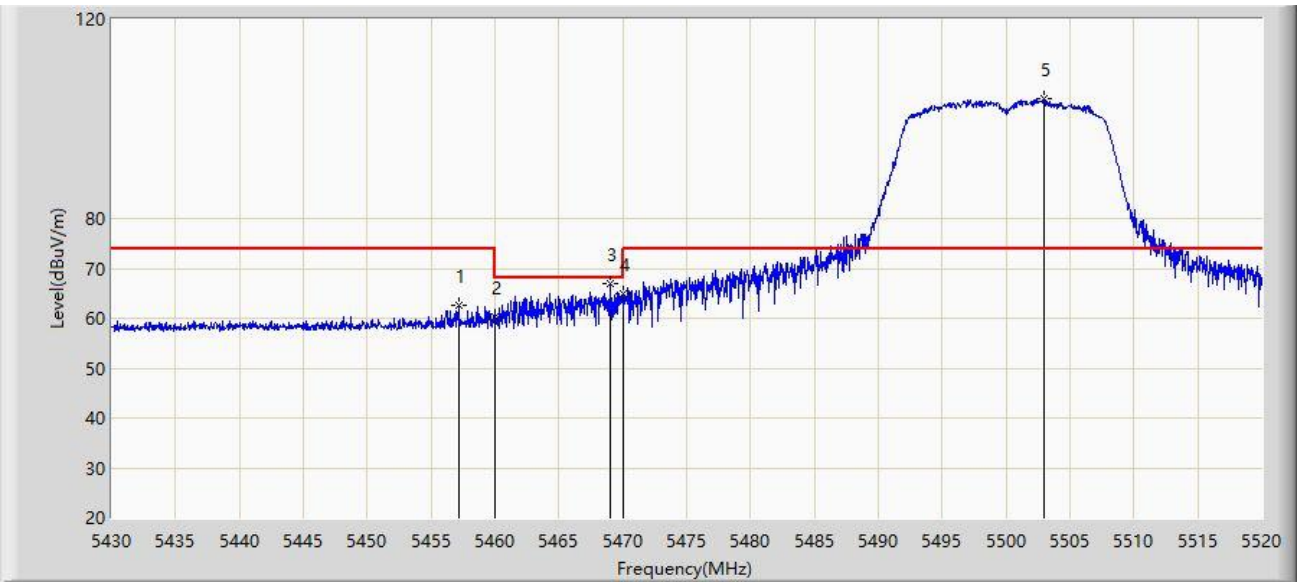


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5316.200	81.651	75.590	N/A	N/A	6.061	AV
2		*	5350.000	45.609	39.151	-8.391	54.000	6.458	AV

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

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

Site: AC1	Time: 2020/09/02 - 15:28
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz	

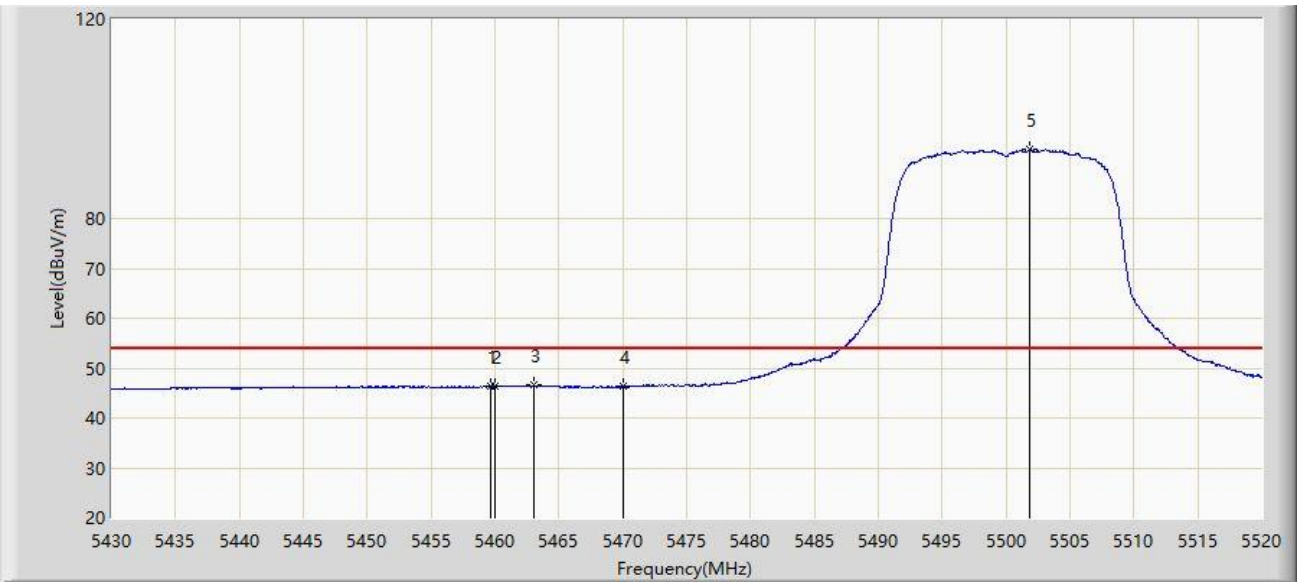


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5457.180	62.651	56.176	-11.349	74.000	6.474	PK
2			5460.000	60.277	53.791	-13.723	74.000	6.486	PK
3		*	5468.970	66.964	60.443	-1.236	68.200	6.521	PK
4			5470.000	64.844	58.319	-3.356	68.200	6.524	PK
5			5502.945	104.068	97.540	N/A	N/A	6.528	PK

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

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

Site: AC1	Time: 2020/09/02 - 15:30
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz	

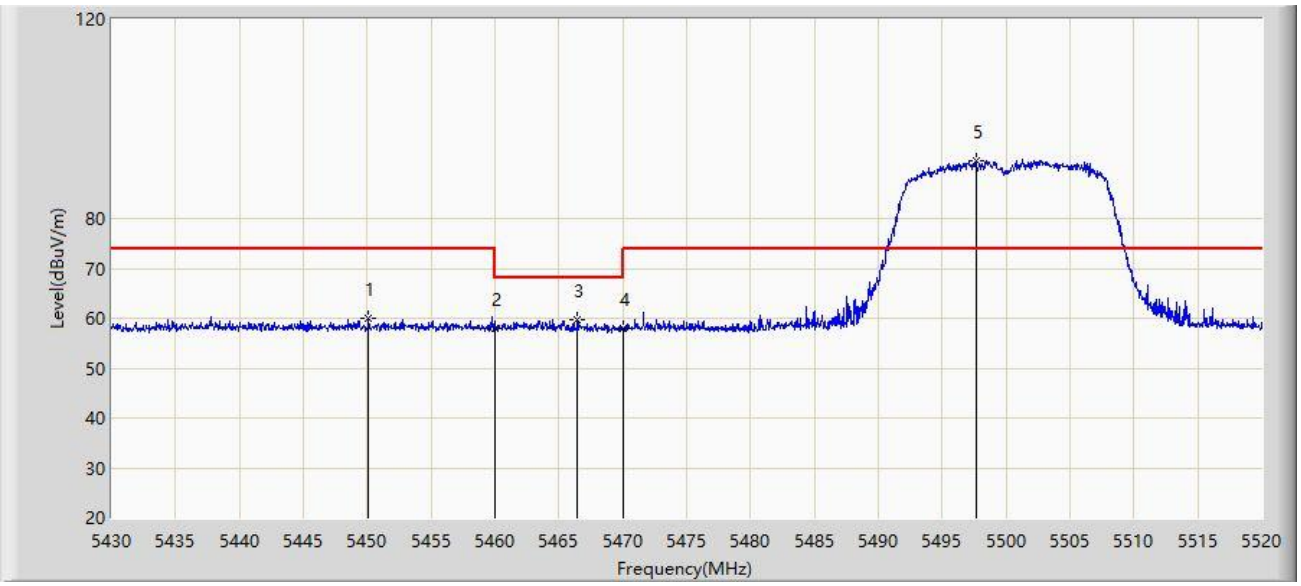


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.700	46.410	39.925	-7.590	54.000	6.485	AV
2			5460.000	46.390	39.904	-7.610	54.000	6.486	AV
3		*	5463.075	46.593	40.095	-7.407	54.000	6.497	AV
4			5470.000	46.342	39.817	-7.658	54.000	6.524	AV
5			5501.865	93.783	87.260	N/A	N/A	6.523	AV

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

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

Site: AC1	Time: 2020/09/02 - 15:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz	

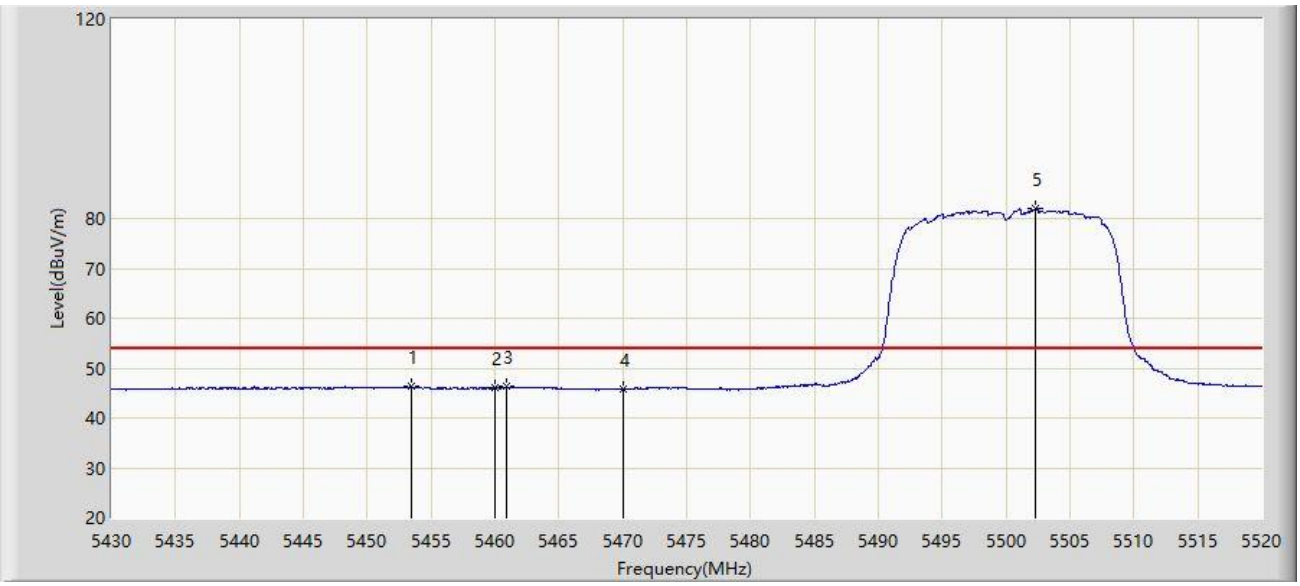


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5450.115	59.980	53.524	-14.020	74.000	6.456	PK
2			5460.000	58.111	51.625	-15.889	74.000	6.486	PK
3		*	5466.450	59.726	53.215	-8.474	68.200	6.511	PK
4			5470.000	58.085	51.560	-10.115	68.200	6.524	PK
5			5497.635	91.619	85.114	N/A	N/A	6.505	PK

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

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

Site: AC1	Time: 2020/09/02 - 15:32
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz	

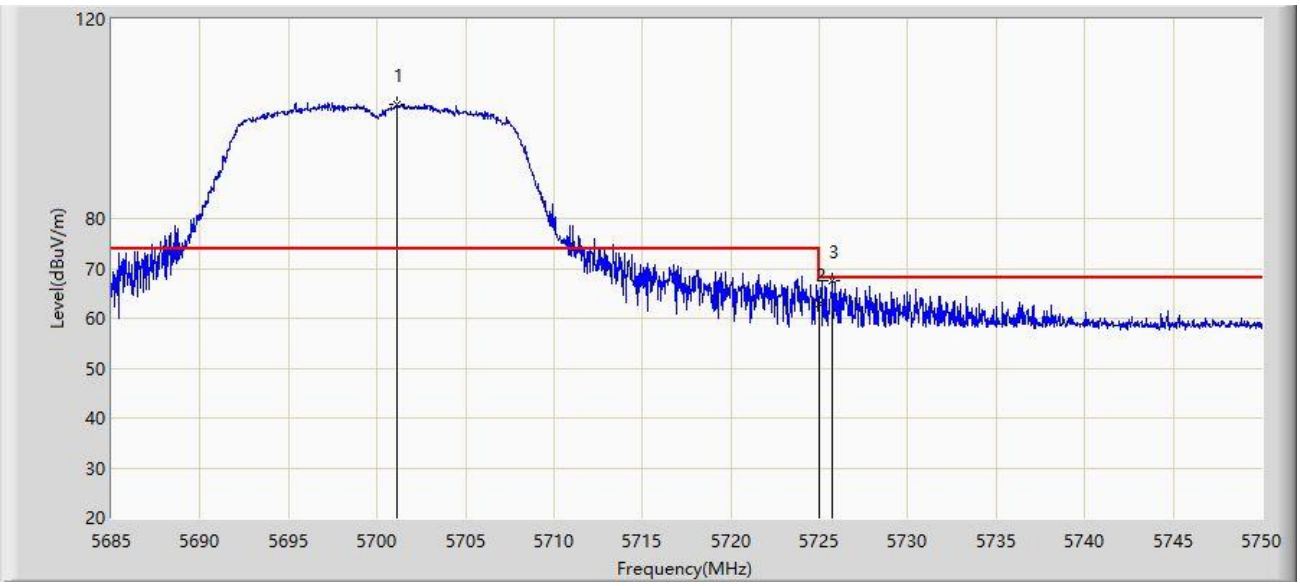


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.490	46.277	39.812	-7.723	54.000	6.465	AV
2			5460.000	46.119	39.633	-7.881	54.000	6.486	AV
3		*	5460.870	46.279	39.790	-7.721	54.000	6.489	AV
4			5470.000	45.795	39.270	-8.205	54.000	6.524	AV
5			5502.315	81.991	75.466	N/A	N/A	6.525	AV

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

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

Site: AC1	Time: 2020/09/09 - 15:05
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5700MHz	

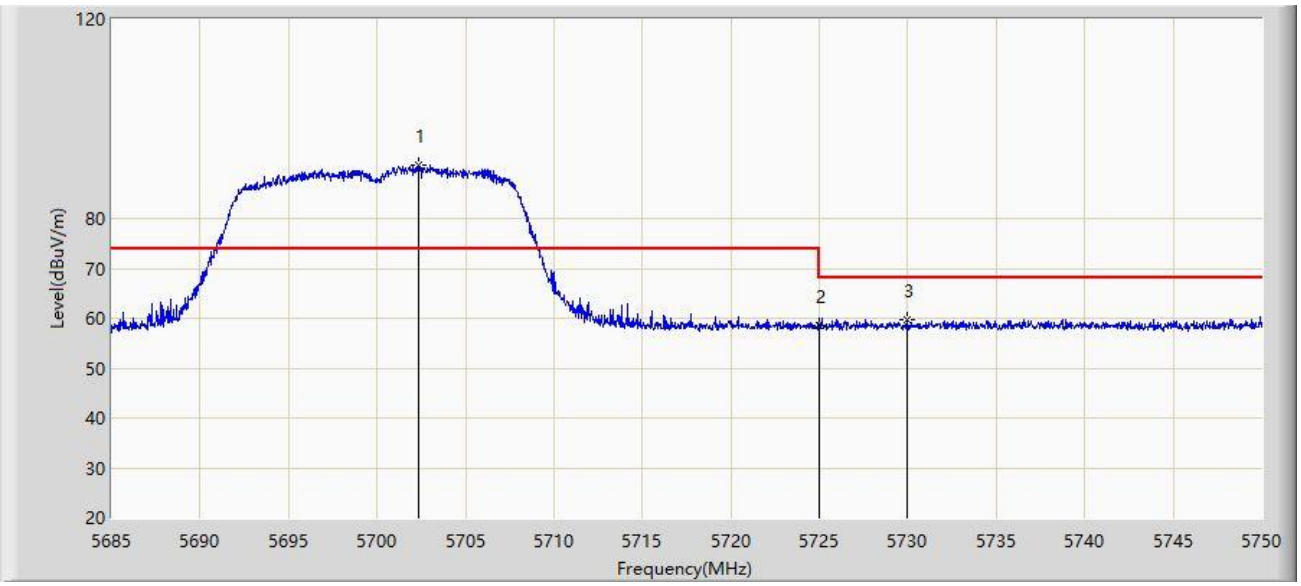


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5701.120	102.853	96.420	N/A	N/A	6.434	PK
2			5725.000	62.916	56.492	-5.284	68.200	6.424	PK
3		*	5725.723	67.644	61.205	-0.556	68.200	6.439	PK

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

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

Site: AC1	Time: 2020/09/09 - 15:10
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5700MHz	

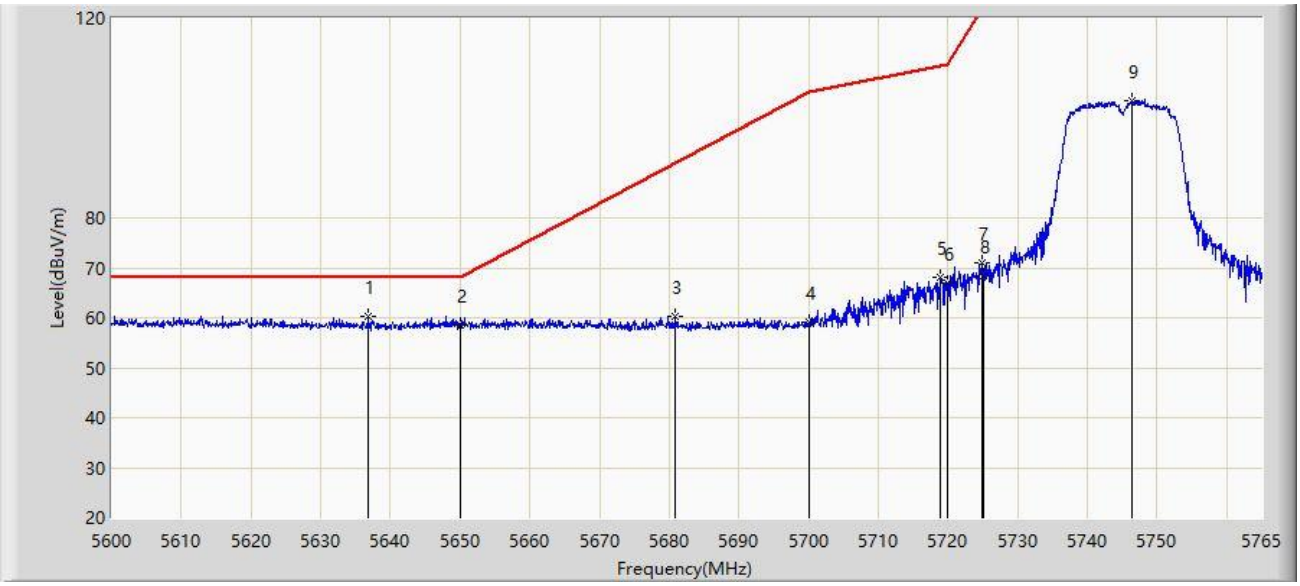


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5702.322	90.708	84.266	N/A	N/A	6.442	PK
2			5725.000	58.530	52.106	-9.670	68.200	6.424	PK
3		*	5729.980	59.613	53.094	-8.587	68.200	6.519	PK

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

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

Site: AC1	Time: 2020/09/02 - 16:15
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5745MHz	

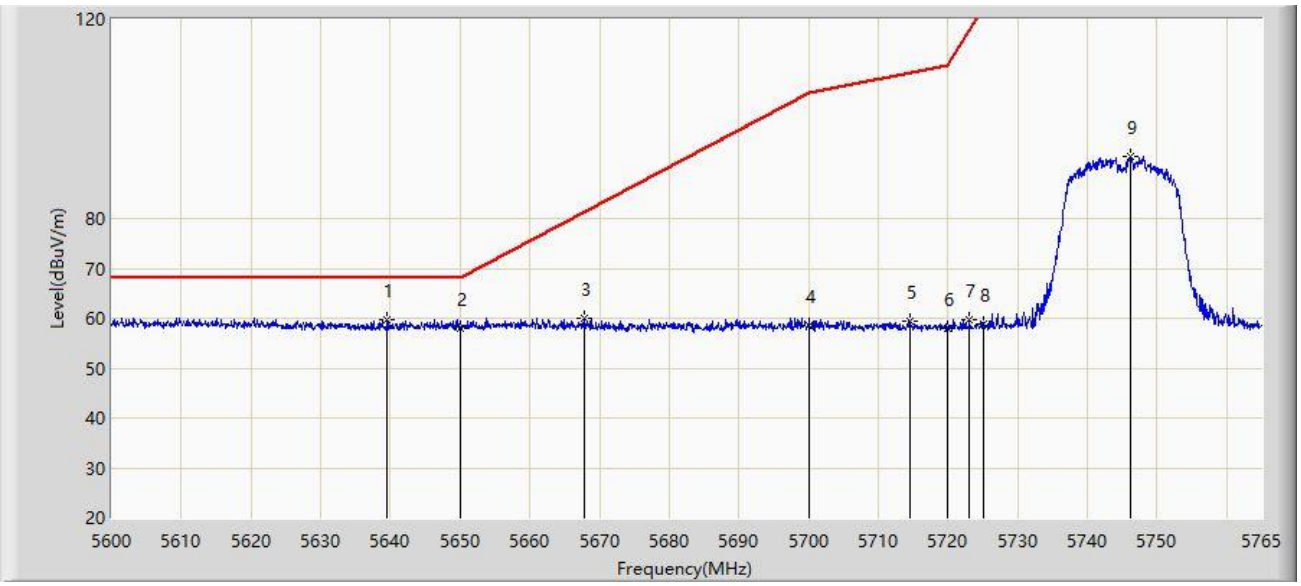


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5636.877	60.427	54.368	-7.773	68.200	6.059	PK
2			5650.000	58.547	52.288	-9.653	68.200	6.258	PK
3			5680.933	60.262	53.941	-30.867	91.129	6.320	PK
4			5700.000	59.037	52.612	-46.163	105.200	6.426	PK
5			5718.882	68.144	61.757	-42.344	110.487	6.387	PK
6			5720.000	66.992	60.607	-43.808	110.800	6.386	PK
7			5724.905	70.874	64.452	-51.110	121.983	6.421	PK
8			5725.000	68.504	62.080	-53.696	122.200	6.424	PK
9			5746.437	103.395	96.621	N/A	N/A	6.774	PK

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

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

Site: AC1	Time: 2020/09/02 - 16:18
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5745MHz	

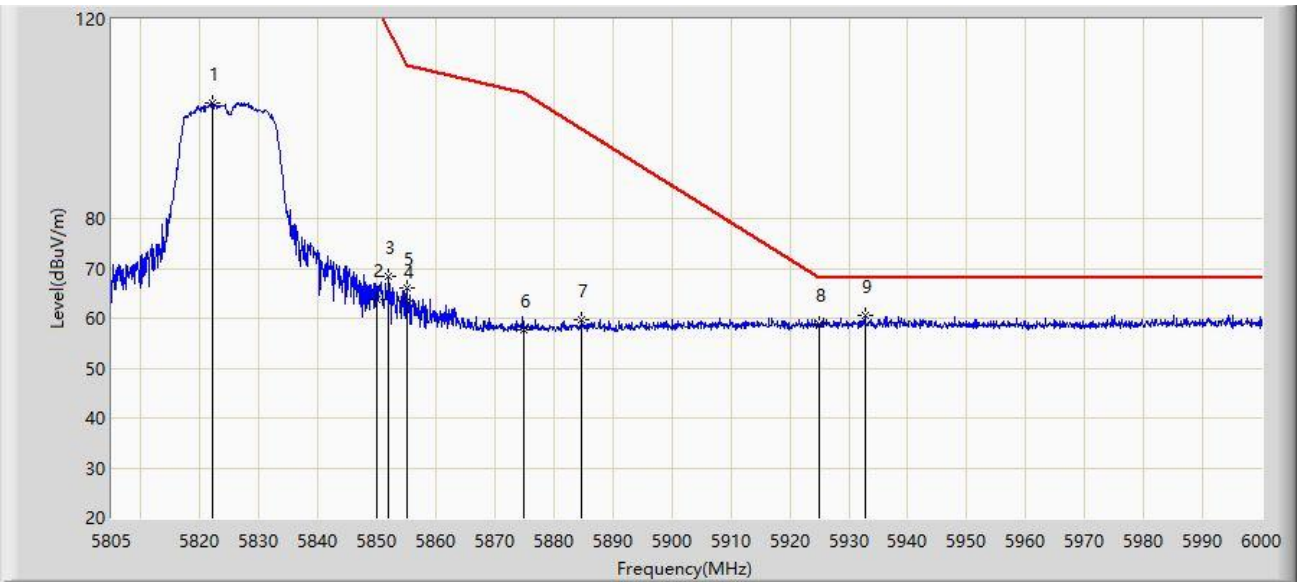


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.518	59.669	53.602	-8.531	68.200	6.067	PK
2			5650.000	57.912	51.653	-10.288	68.200	6.258	PK
3			5667.815	60.064	53.679	-21.357	81.421	6.385	PK
4			5700.000	58.646	52.221	-46.554	105.200	6.426	PK
5			5714.592	59.328	52.937	-49.960	109.288	6.390	PK
6			5720.000	58.018	51.633	-52.782	110.800	6.386	PK
7			5723.090	59.843	53.460	-58.004	117.846	6.382	PK
8			5725.000	58.976	52.552	-63.224	122.200	6.424	PK
9			5746.107	92.345	85.573	N/A	N/A	6.772	PK

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

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

Site: AC1	Time: 2020/09/02 - 16:20
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5825MHz	

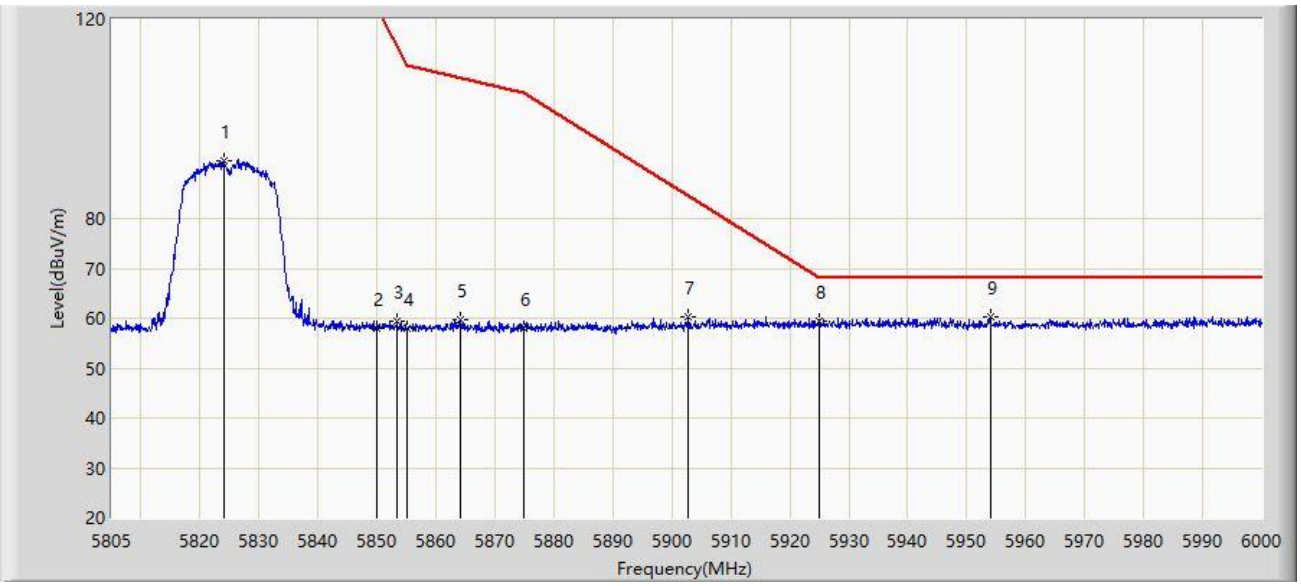


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5822.062	103.209	96.220	N/A	N/A	6.988	PK
2			5850.000	63.904	57.096	-58.296	122.200	6.808	PK
3			5851.995	68.497	61.684	-49.153	117.650	6.813	PK
4			5855.000	63.395	56.575	-47.405	110.800	6.820	PK
5			5855.115	66.116	59.296	-44.652	110.768	6.820	PK
6			5875.000	57.685	50.767	-47.515	105.200	6.918	PK
7			5884.755	59.724	52.791	-38.233	97.957	6.932	PK
8			5925.000	58.757	51.660	-9.443	68.200	7.097	PK
9		*	5932.725	60.646	53.471	-7.554	68.200	7.174	PK

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

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

Site: AC1	Time: 2020/09/02 - 16:24
Limit: FCC_Part15.407_Band Edge(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5825MHz	

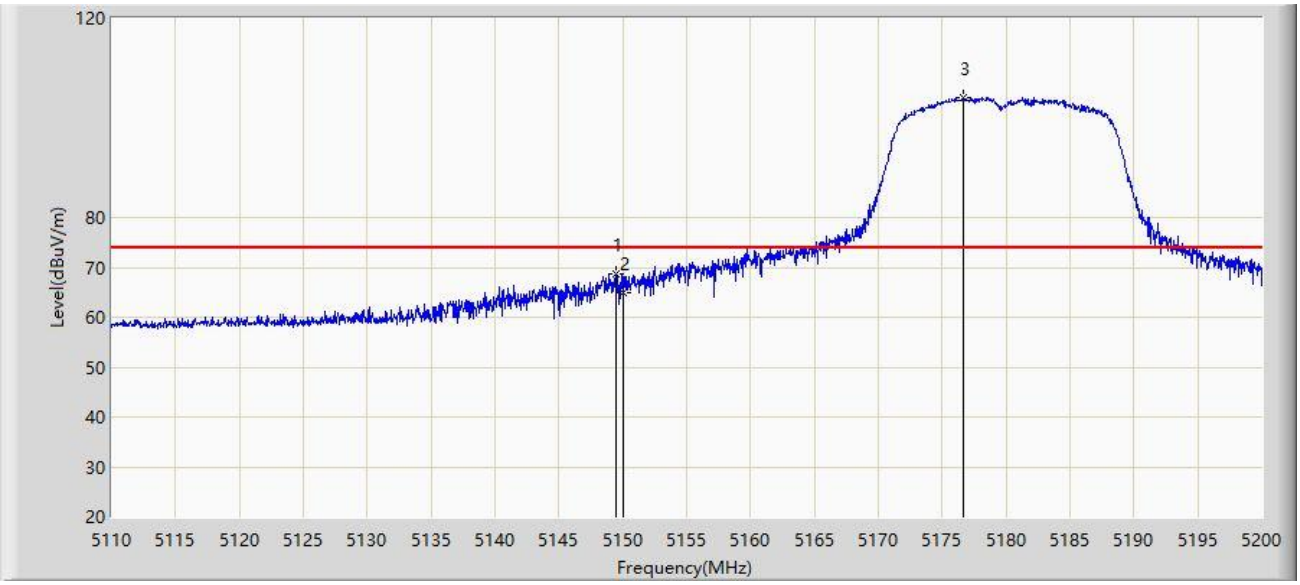


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.013	91.705	84.684	N/A	N/A	7.021	PK
2			5850.000	57.955	51.147	-64.245	122.200	6.808	PK
3			5853.360	59.420	52.604	-55.118	114.538	6.817	PK
4			5855.000	57.946	51.126	-52.854	110.800	6.820	PK
5			5864.085	59.625	52.762	-48.629	108.254	6.863	PK
6			5875.000	58.040	51.122	-47.160	105.200	6.918	PK
7			5902.695	60.312	53.246	-24.355	84.667	7.066	PK
8			5925.000	59.321	52.224	-8.879	68.200	7.097	PK
9		*	5953.980	60.183	53.142	-8.017	68.200	7.042	PK

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

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

Site: AC1	Time: 2020/09/02 - 16:27
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

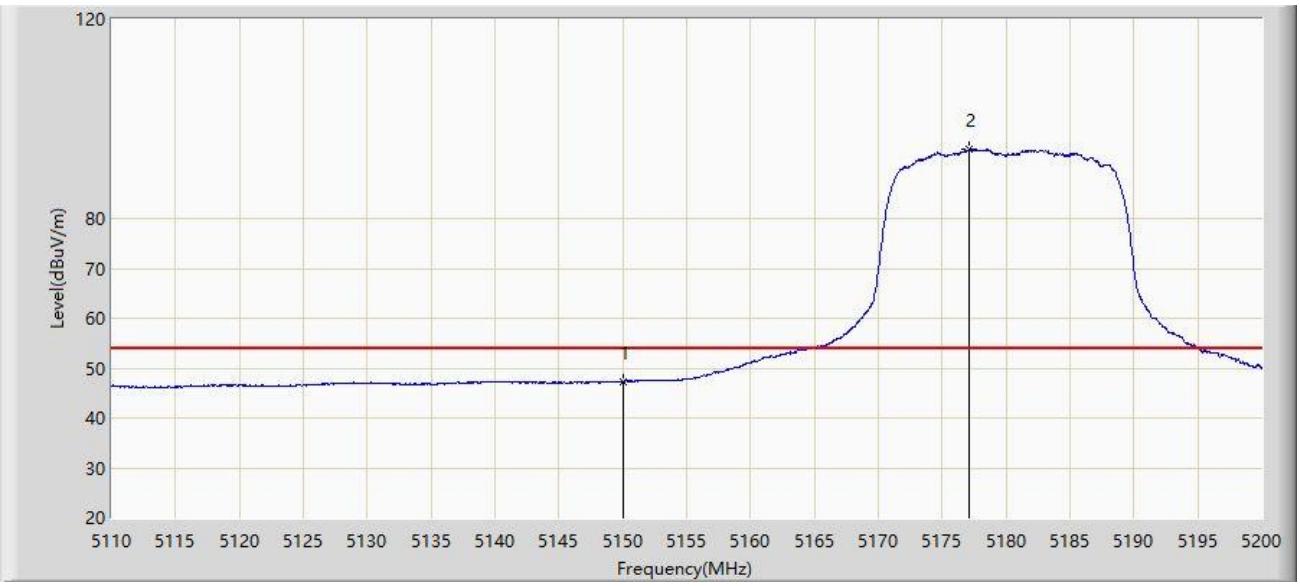


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5149.420	68.805	62.352	-5.195	74.000	6.453	PK
2			5150.000	64.965	58.513	-9.035	74.000	6.452	PK
3			5176.690	104.028	97.535	N/A	N/A	6.493	PK

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

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

Site: AC1	Time: 2020/09/02 - 17:20
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

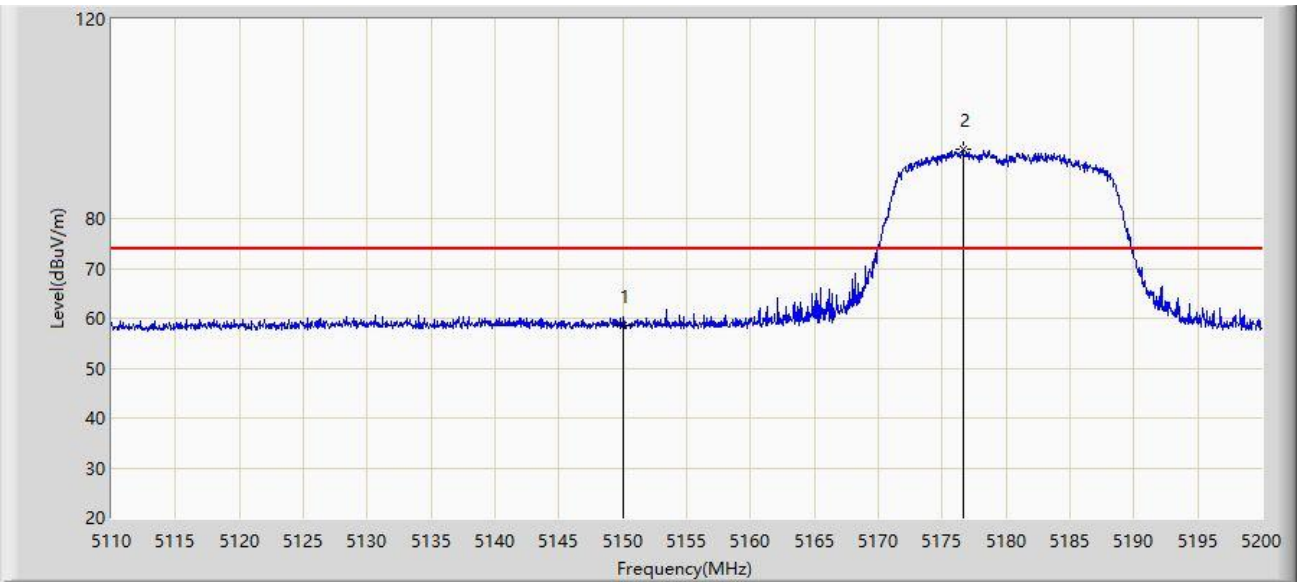


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5150.000	47.300	40.848	-6.700	54.000	6.452	AV
2			5177.140	93.848	87.352	N/A	N/A	6.495	AV

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

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

Site: AC1	Time: 2020/09/02 - 17:23
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

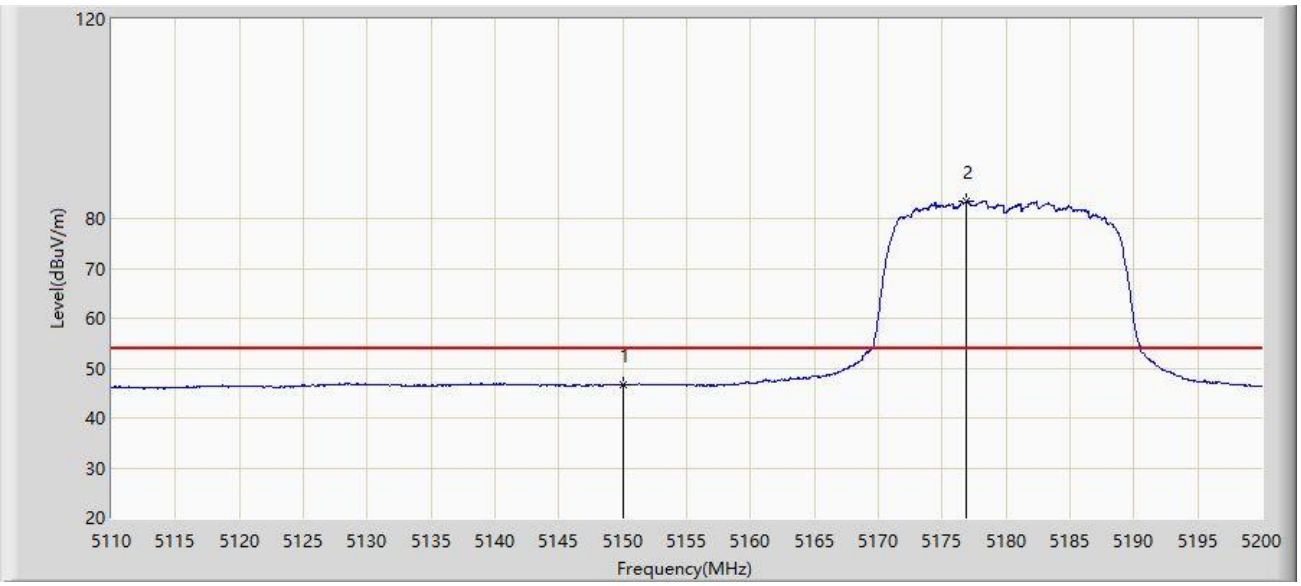


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5150.000	58.638	52.186	-15.362	74.000	6.452	PK
2			5176.600	93.769	87.277	N/A	N/A	6.492	PK

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

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

Site: AC1	Time: 2020/09/02 - 17:24
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz	

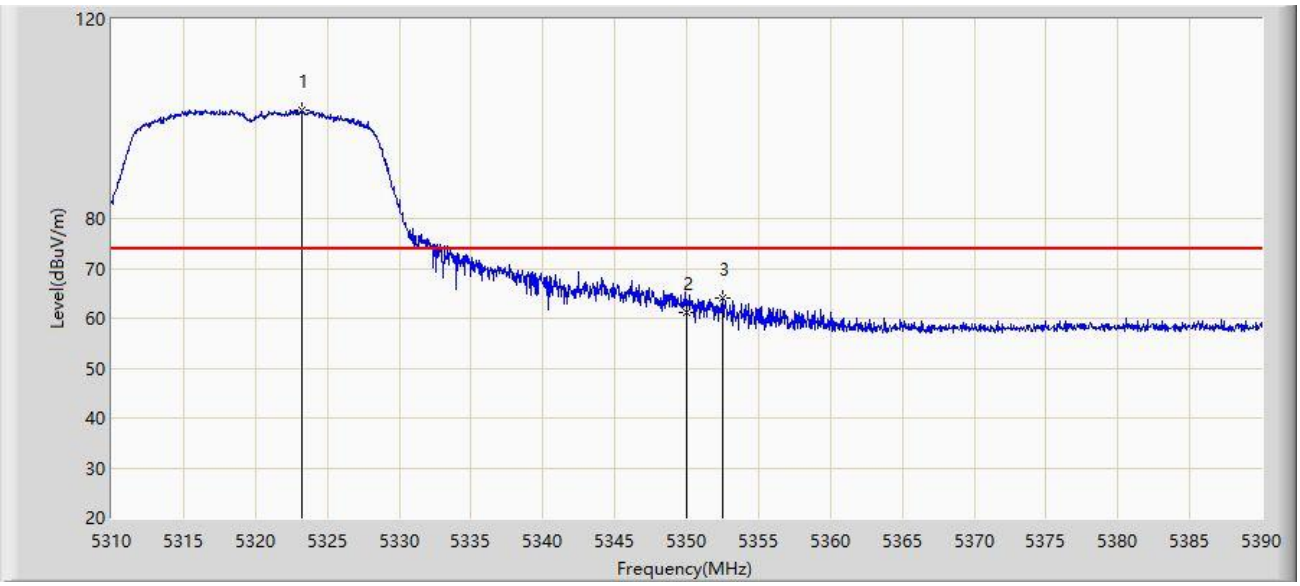


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5150.000	46.554	40.102	-7.446	54.000	6.452	AV
2			5176.825	83.530	77.036	N/A	N/A	6.493	AV

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

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

Site: AC1	Time: 2020/09/02 - 17:26
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz	

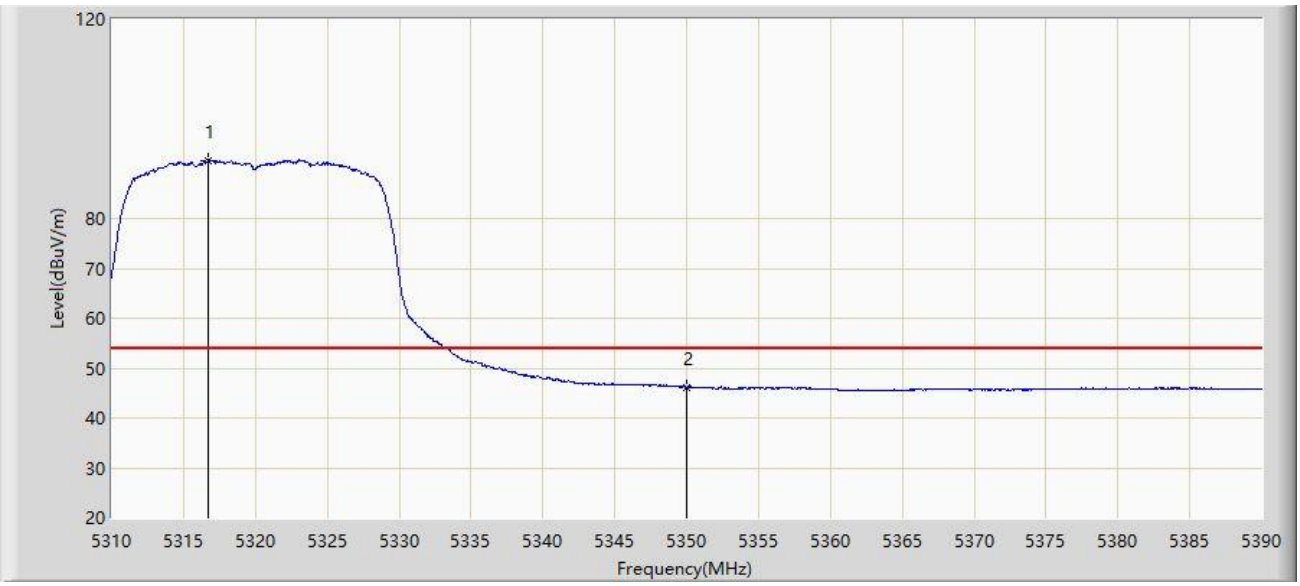


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5323.280	101.856	95.623	N/A	N/A	6.234	PK
2			5350.000	61.149	54.691	-12.851	74.000	6.458	PK
3		*	5352.520	64.098	57.717	-9.902	74.000	6.381	PK

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

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

Site: AC1	Time: 2020/09/02 - 17:28
Limit: FCC_Part15.209_RSE(3m)	Engineer: Buter Shi
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WLAN+ Bluetooth combo module- 150mm Antenna	Power: DC 3.3V
Test Mode: Transmit by 802.11n-HT20 at Channel 5320MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5316.720	91.664	85.592	N/A	N/A	6.071	AV
2		*	5350.000	46.231	39.773	-7.769	54.000	6.458	AV

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

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