MEASUREMENT REPORT

FCC PART 15.407 WLAN 802.11a/n

FCC ID	:	TK4WLE900VX
APPLICANT	:	Compex Systems Pte Ltd
Application Type	:	Class II Permissive Change
Product	:	802.11ac Dual Band Module
Model No.	:	WLE900VX, WLE900VX-I
Brand Name	:	COMPEX
FCC Classification	:	Unlicensed National Information Infrastructure (UNII)
FCC Rule Part(s)	:	Part 15 Subpart E (Section 15.407)
Test Procedure(s)	:	ANSI C63.10-2013, KDB 789033 D02v02r01
Test Date	:	March 08 ~ April 04, 2018

Reviewed By : Jame Yuan
(Jame Yuan)

Approved By : Marlin Chen
(Marlin Chen)

ACCREDITED
TESTING LABORATORY
CERTIFICATE #3628.01

Revision History

Report No.	Version	Description	Issue Date	Note
1801RSU027-U2	Rev. 01	Initial report	04-08-2018	Valid

CONTENTS

Description Page

§2.1033 General Information

Applicant:	Compex Systems Pte Ltd
Applicant Address:	No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651
Manufacturer:	Compex Systems Pte Ltd
Manufacturer Address:	No:9 Harrison Road, Harrison Industrial Building, #05-01, Singapore 369651
Test Site:	MRT Technology (Suzhou) Co., Ltd
Test Site Address:	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
MRT FCC Registration No.:	809388
Test Device Serial No.:	N/A ☐ Production ☒ Pre-Production ☐ Engineering
FCC Classification:	Unlicensed National Information Infrastructure (UNII)

Test Facility / Accreditations

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

- **MRT facility is a FCC registered (MRT Reg. No. 809388) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules.**
- **MRT facility is an IC registered (MRT Reg. No. 11384A-1) test laboratory with the site description on file at Industry Canada.**
- **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 American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications and Radio testing for FCC, Industry Canada, EU and TELEC Rules.**


Accredited Laboratory

A2LA has accredited

MRT TECHNOLOGY (SUZHOU) CO., LTD.

Suzhou, Jiangsu, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 6th day of September 2016.

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 3628.01
Valid to August 31, 2018

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

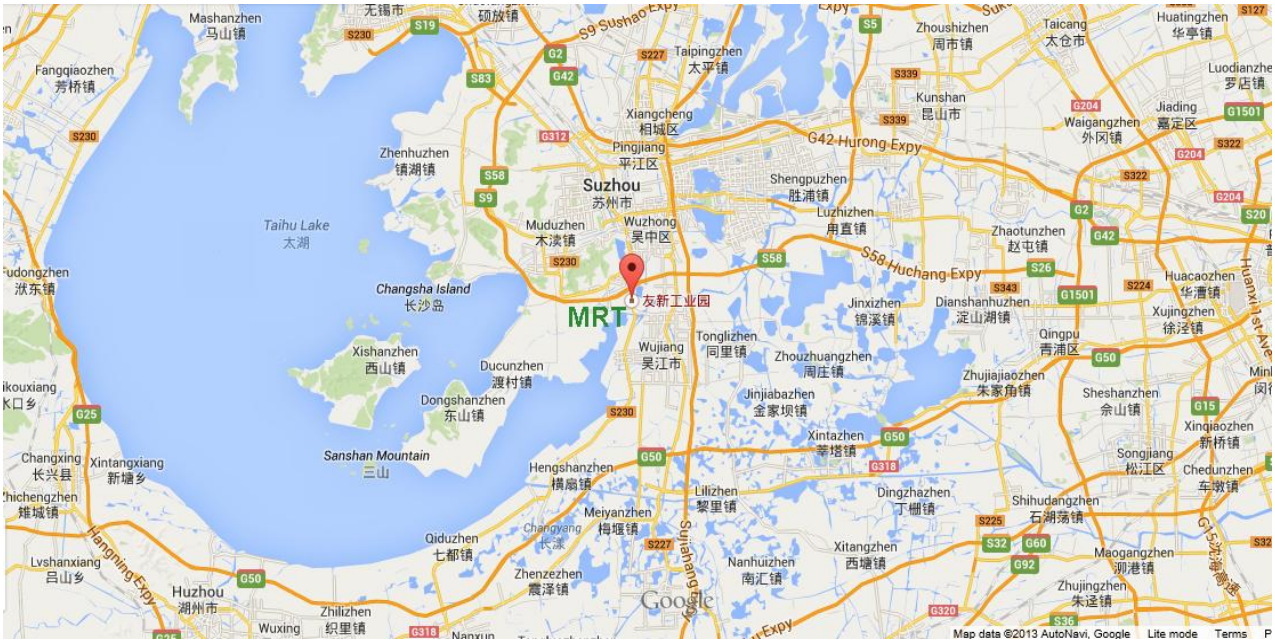
1. INTRODUCTION

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 Industry Canada 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 detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2009 on September 30, 2013.



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	802.11ac Dual Band Module
Model No.	WLE900VX, WLE900VX-I
Wi-Fi Specification	802.11a/b/g/n/ac

2.2. Product Specification Subjective to this Report

Frequency Range	For 802.11a/n-HT20: 5180~5320MHz, 5500~5700MHz, 5745~5825MHz For 802.11ac-VHT20: 5180~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40: 5190~5310MHz, 5510~5670MHz, 5755~5795MHz For 802.11ac-VHT40: 5190~5310MHz, 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 450Mbps 802.11ac: up to 1299.9Mbps

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

2.3. Operation Frequency / Channel list

802.11a/n-HT20

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	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

802.11ac-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

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
151	5755 MHz	159	5795 MHz	--	--

802.11ac-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

2.4. Description of Available Antennas

Original Antenna List

Antenna Type	Manufacturer	Tx Paths	Max Directional Gain (dBi)
Panel Antenna 1#	Compex Systems Pte Ltd	3	2.4GHz: 11.0
Panel Antenna 2#	Kenbotong Communication LTD	3	2.4GHz: 10.0, 5GHz: 10.0
Panel Antenna 3#	Smart Ant Inc	3	2.4GHz: 7.0, 5GHz: 7.0
Panel Antenna 4#	TAOGLAS Inc	3	2.4GHz: 4.5, 5GHz: 6.7
Panel Antenna 5#	Compex Systems Pte Ltd	3	2.4GHz: 5.0, 5GHz: 5.0
Panel Antenna 6#	Compex Systems Pte Ltd	3	2.4GHz: 5.0, 5GHz: 5.0
Omni Antenna 1#	Kunshan Wavelink Electronic Co., Ltd.	3	2.4GHz: 2.0, 5GHz: 2.0

New Antenna List

Antenna Type	Manufacturer	M/N	Max Directional Gain (dBi)
Omni Antenna 1#	Smart Ant Co., Ltd.	SAA05-220170	2.4GHz: 2.5, 5GHz: 5.0
Omni Antenna 2#	Smart Ant Co., Ltd.	SAA06-22096B	2.4GHz: 3.0, 5GHz: 6.0
Omni Antenna 3#	Smart Ant Co., Ltd.	SAA05-22042B	2.4GHz: 2.0, 5GHz: 2.0
Omni Antenna 4#	Smart Ant Co., Ltd.	SAA14-220150	2.4GHz: 5.0, 5GHz: 7.0
Omni Antenna 5#	Smart Ant Co., Ltd.	SAA06-220960	2.4GHz: 3.0, 5GHz: 6.0
Omni Antenna 6#	Smart Ant Co., Ltd.	SAA05-220420	2.4GHz: 2.0, 5GHz: 2.0
Omni Antenna 7#	Smart Ant Co., Ltd.	SAA04-22008C	2.4GHz: 4.5, 5GHz: 7.0

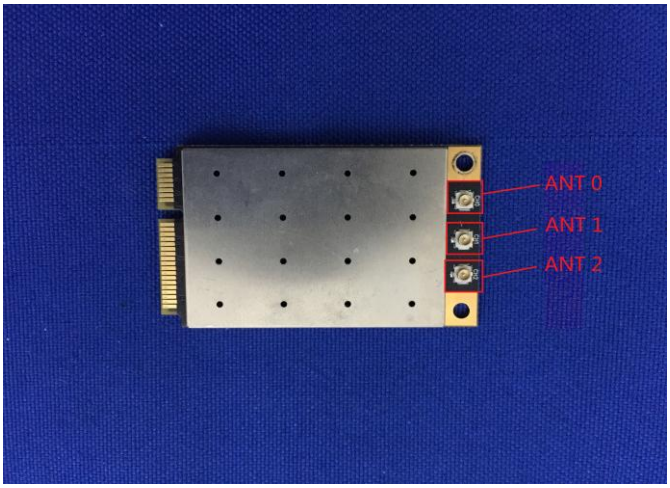
Note 1: The device didn't support transmit beam-forming mode and Cyclic Delay Diversity (CDD) mode, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.

Note: We selected the Omni Antenna 4# to perform the radiated emission testing.

2.5. Description of Antenna RF Port

--	2.4/5GHz Antenna RF Port		
	2.4/5GHz	2.4/5GHz	2.4/5GHz
Software Control Port	Ant 0	Ant 1	Ant 2

Antenna RF Port Plot



2.6. Test Mode

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n-HT20
	Mode 3: Transmit by 802.11n-HT40
	Mode 4: Transmit by 802.11ac-VHT20
	Mode 5: Transmit by 802.11ac-VHT40
	Mode 6: Transmit by 802.11ac-VHT80

2.7. Test Software

The test utility software used during testing were “ART2-GUI Version: 2.3” and “CART Version: 4.9”.

Final Power Parameter Value of the test software (Omni Antenna 4#)

Test Mode	Test Frequency	Power Parameter Value				
		Ant 0	Ant 1	Ant 2	Ant 0 + 1	Ant 0 + 1 + 2
802.11a	5180	18.0	18.0	20.0	Not Support	Not Support
	5220	20.0	19.0	20.0		
	5240	20.0	19.5	20.0		
	5260	20.0	20.0	20.0		
	5300	20.0	20.0	20.0		
	5320	18.5	18.5	20.0		
	5500	20.0	20.0	20.0		
	5600	20.0	20.0	20.0		
	5700	19.0	20.0	20.0		
	5745	16.5	20.0	20.0		
	5785	20.0	20.0	20.0		
	5825	20.0	20.0	20.0		
802.11n-HT20	5180	18.0	17.5	20.0	17.0	14.5
	5220	20.0	20.0	20.0	17.0	14.5
	5240	20.0	20.0	20.0	16.5	14.5
	5260	20.0	20.0	20.0	18.5	17.0
	5300	20.0	20.0	20.0	18.5	17.0
	5320	18.5	18.5	20.0	18.5	17.0
	5500	20.0	20.0	20.0	19.0	17.0
	5600	20.0	20.0	20.0	20.0	16.5
	5700	18.0	20.0	20.0	18.5	17.0
	5745	16.5	17.5	19.0	18.5	18.0
	5785	20.0	20.0	20.0	20.0	20.0
	5825	19.5	20.0	20.0	20.0	20.0

Test Mode	Test Frequency	Power Parameter Value				
		Ant 0	Ant 0	Ant 0	Ant 0	Ant 0
802.11n-HT40	5190	15.5	16.5	16.0	15.0	12.0
	5230	20.0	20.0	20.0	18.0	15.0
	5270	20.0	20.0	20.0	20.0	19.0
	5310	15.5	16.5	16.5	14.5	12.5
	5510	19.5	20.0	20.0	18.0	16.0
	5590	20.0	20.0	20.0	20.0	20.0
	5670	20.0	20.0	20.0	20.0	20.0
	5755	16.5	18.0	17.5	16.0	14.5
	5795	20.0	20.0	20.0	20.0	20.0
802.11ac-VHT20	5180	18.0	18.5	20.0	17.0	14.5
	5220	20.0	19.5	20.0	17.0	14.5
	5240	20.0	20.0	20.0	16.5	14.5
	5260	20.0	20.0	20.0	19.0	16.0
	5300	20.0	20.0	20.0	20.0	18.0
	5320	18.5	18.5	20.0	17.0	15.5
	5500	20.0	20.0	20.0	18.0	17.0
	5600	20.0	20.0	20.0	20.0	18.0
	5700	18.0	20.0	20.0	17.0	16.5
	5720	20.0	20.0	20.0	20.0	16.5
	5745	16.5	17.5	18.5	18.0	16.5
	5785	20.0	20.0	20.0	20.0	20.0
	5825	19.5	20.0	20.0	20.0	19.5
802.11ac-VHT40	5190	15.0	16.0	16.0	14.0	12.0
	5230	20.0	20.0	20.0	18.0	16.0
	5270	20.0	20.0	20.0	20.0	19.0
	5310	15.0	16.0	16.5	14.0	12.5
	5510	20.0	19.5	20.0	17.0	16.0
	5590	20.0	20.0	20.0	20.0	19.0
	5670	20.0	20.0	20.0	20.0	19.0
	5710	20.0	20.0	20.0	20.0	19.0
	5755	16.5	17.5	17.5	16.0	14.0
	5795	20.0	20.0	20.0	20.0	19.0

Test Mode	Test Frequency	Power Parameter Value				
		Ant 0	Ant 0	Ant 0	Ant 0	Ant 0
802.11ac-VHT80	5210	15.0	15.0	14.0	13.5	12.0
	5290	15.0	15.5	15.5	13.5	11.0
	5530	15.5	15.0	14.5	18.0	12.5
	5610	20.0	20.0	20.0	20.0	19.0
	5690	20.0	20.0	20.0	20.0	11.0
	5775	14.0	18.0	18.0	12.0	14.5

Note: The power setting was same as the original omni antenna 1#.

2.8. Test Configuration

The **802.11ac Dual Band Module** was tested per the guidance of KDB 789033 D02v02r01. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.

2.9. EMI Suppression Device(s)/Modifications

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

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 789033 D02v02r01 were used in the measurement of the **802.11ac Dual Band Module.**

Deviation from measurement procedure…….....None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable.
For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.
Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. TEST EQUIPMENT CALIBRATION DATE

Radiated Emission - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
PXA Signal Analyzer	Keysight	9030B	MRTSUE06395	1 year	2018/09/13
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2018/08/18
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2018/11/20
EXA Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2018/04/25
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2018/11/17
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2018/11/18
Broad Band Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06023	1 year	2018/10/21
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2018/12/14
Amplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2018/06/14
Thermohygrometer	Testo	608-H1	MRTSUE06403	1 year	2018/08/14
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06212	1 year	2018/05/10

Software	Version	Function
e3	V8.3.5	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.

Radiated Emission Measurement - AC1
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: 4.18dB 1GHz ~ 25GHz: 4.76dB

6. TEST RESULT

6.1. Summary

Company Name: **Compex Systems Pte Ltd**

FCC ID: **TK4WLE900VX**

Data Rate(s) Tested: **6Mbps ~ 54Mbps (a);**
6.5/7.2Mbps ~ 195/216.7Mbps (n-HT20MHz BW);
13.5/15Mbps ~ 405/450Mbps (n-HT40MHz BW);
6.5/7.2Mbps ~ 234/260.1Mbps (ac-VHT20MHz BW);
13.5/15Mbps ~ 540/600Mbps (ac-VHT40MHz BW);
29.3/32.5Mbps ~ 1170/1299.9Mbps (ac-VHT80MHz BW)

FCC Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(b)(1), (2), (3), (4)(i)	Undesirable Emissions	Detail see section 7.2	Radiated	Pass	Section 7.2 & 7.3
15.205, 15.209 15.407(b)(5), (6), (7)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209		Pass	

Note: All channels, modes, and modulations/data rates were investigated among all UNII bands. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.

6.2. Radiated Spurious Emission Measurement

6.2.1. Test Limit

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

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

6.2.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

6.2.3. Test Setting

Table 1 - RBW as a function of frequency

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

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

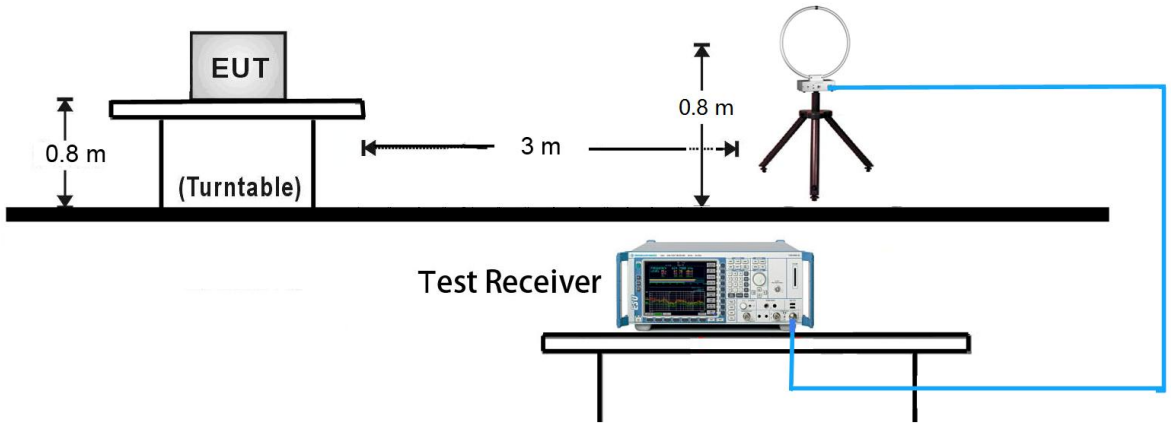
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

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

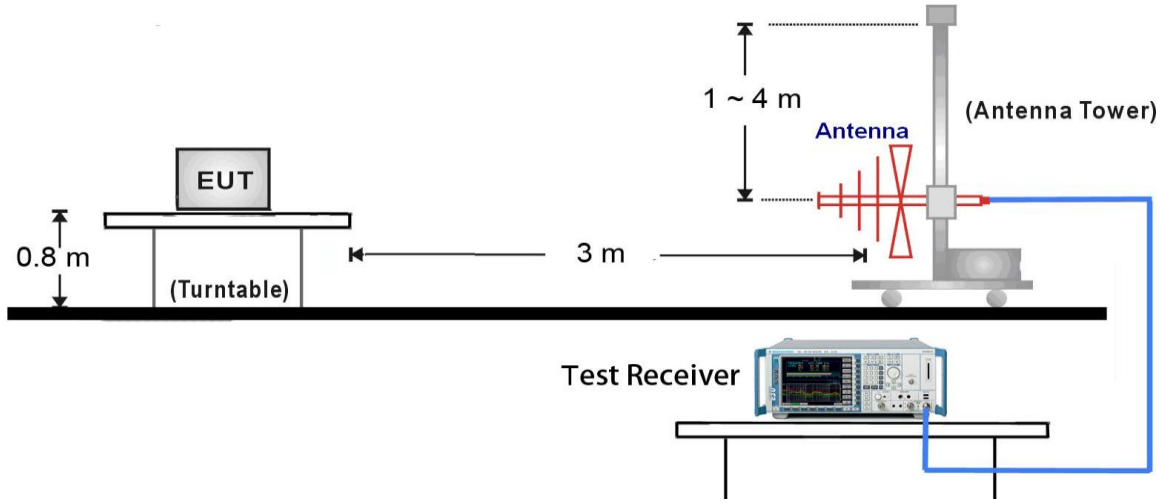
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.2.4. Test Setup

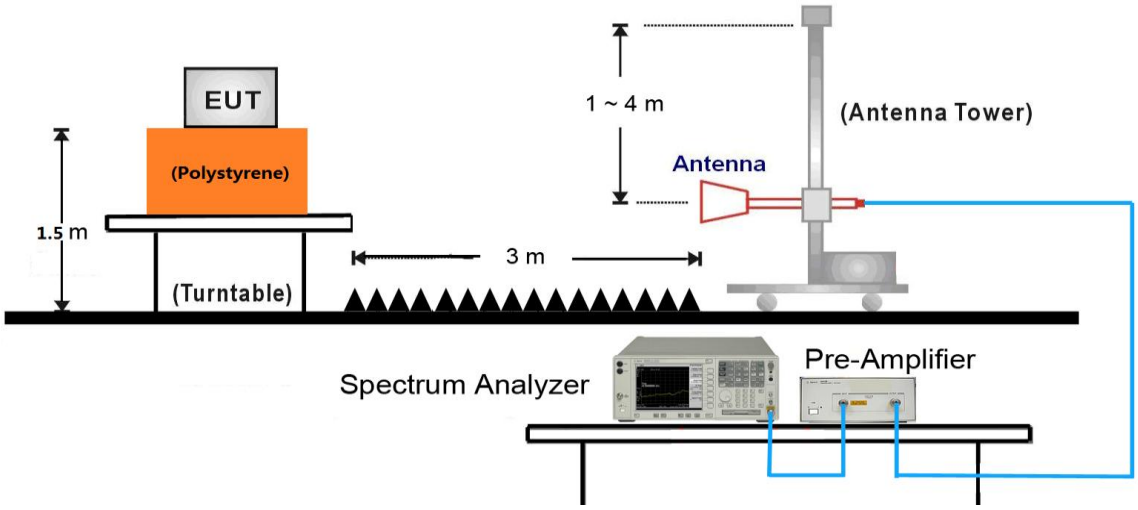
9kHz ~ 30MHz Test Setup:



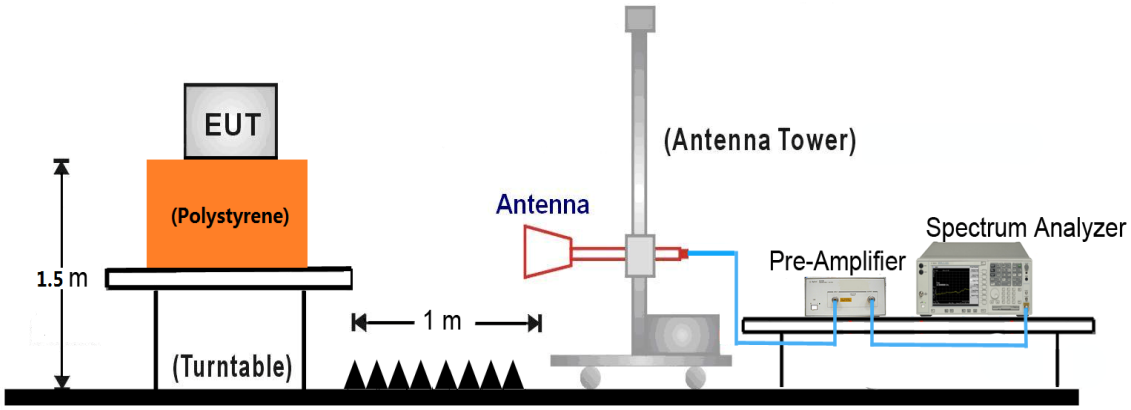
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



6.2.5. Test Result

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6389.0	36.6	9.2	45.8	68.2	-22.4	Peak	Horizontal
*	6907.5	49.4	10.8	60.2	68.2	-8.0	Peak	Horizontal
	7655.5	37.1	12.7	49.8	74.0	-24.2	Peak	Horizontal
	8199.5	37.1	13.1	50.2	74.0	-23.8	Peak	Horizontal
*	6482.5	36.1	9.9	46.0	68.2	-22.2	Peak	Vertical
*	6907.5	51.8	10.8	62.6	68.2	-5.6	Peak	Vertical
	7307.0	36.4	12.5	48.9	74.0	-25.1	Peak	Vertical
	10996.0	34.8	18.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6516.5	35.6	9.9	45.5	68.2	-22.7	Peak	Horizontal
*	6958.5	48.6	11.1	59.7	68.2	-8.5	Peak	Horizontal
	7545.0	36.2	13.0	49.2	74.0	-24.8	Peak	Horizontal
	9177.0	36.1	14.2	50.3	74.0	-23.7	Peak	Horizontal
*	6958.5	52.7	11.1	63.8	68.2	-4.4	Peak	Vertical
*	7944.5	36.2	13.5	49.7	68.2	-18.5	Peak	Vertical
	8208.0	36.4	13.0	49.4	74.0	-24.6	Peak	Vertical
	9134.5	35.1	13.9	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6984.0	48.4	11.2	59.6	68.2	-8.6	Peak	Horizontal
*	7842.5	35.5	13.3	48.8	68.2	-19.4	Peak	Horizontal
	8352.5	36.2	12.6	48.8	74.0	-25.2	Peak	Horizontal
	9160.0	35.5	14.1	49.6	74.0	-24.4	Peak	Horizontal
*	6984.0	53.0	11.2	64.2	68.2	-4.0	Peak	Vertical
*	7893.5	35.2	13.4	48.6	68.2	-19.6	Peak	Vertical
	9117.5	35.4	13.8	49.2	74.0	-24.8	Peak	Vertical
	9381.0	34.4	14.7	49.1	74.0	-24.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7009.5	47.4	11.3	58.7	68.2	-9.5	Peak	Horizontal
*	7842.5	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
	8233.5	36.6	13.0	49.6	74.0	-24.4	Peak	Horizontal
	9109.0	34.4	13.7	48.1	74.0	-25.9	Peak	Horizontal
*	7009.5	53.3	11.3	64.6	68.2	-3.6	Peak	Vertical
*	7936.0	36.0	13.5	49.5	68.2	-18.7	Peak	Vertical
	8046.5	36.9	13.7	50.6	74.0	-23.4	Peak	Vertical
	9168.5	35.9	14.1	50.0	74.0	-24.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	46.9	11.8	58.7	68.2	-9.5	Peak	Horizontal
*	7825.5	34.4	13.2	47.6	68.2	-20.6	Peak	Horizontal
	8242.0	36.9	13.0	49.9	74.0	-24.1	Peak	Horizontal
	9109.0	35.0	13.7	48.7	74.0	-25.3	Peak	Horizontal
*	7069.0	54.1	11.8	65.9	68.2	-2.3	Peak	Vertical
*	7961.5	34.8	13.5	48.3	68.2	-19.9	Peak	Vertical
	8463.0	34.2	12.7	46.9	74.0	-27.1	Peak	Vertical
	9134.5	34.5	13.9	48.4	74.0	-25.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	44.2	12.0	56.2	68.2	-12.0	Peak	Horizontal
*	7876.5	35.2	13.3	48.5	68.2	-19.7	Peak	Horizontal
	8250.5	36.1	12.9	49.0	74.0	-25.0	Peak	Horizontal
	9092.0	34.4	13.6	48.0	74.0	-26.0	Peak	Horizontal
*	7094.5	52.1	12.0	64.1	68.2	-4.1	Peak	Vertical
*	7885.0	36.0	13.4	49.4	68.2	-18.8	Peak	Vertical
	8335.5	36.4	12.6	49.0	74.0	-25.0	Peak	Vertical
	9049.5	35.1	13.4	48.5	74.0	-25.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
*	7927.5	37.6	13.5	51.1	68.2	-17.1	Peak	Horizontal
	8386.5	35.2	12.6	47.8	74.0	-26.2	Peak	Horizontal
	9134.5	34.9	13.9	48.8	74.0	-25.2	Peak	Horizontal
*	7162.5	35.9	12.5	48.4	68.2	-19.8	Peak	Vertical
*	8004.0	36.0	13.7	49.7	68.2	-18.5	Peak	Vertical
	8216.5	35.9	13.0	48.9	74.0	-25.1	Peak	Vertical
	9415.0	36.2	14.8	51.0	74.0	-23.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7205.0	35.9	12.6	48.5	68.2	-19.7	Peak	Horizontal
*	7936.0	37.4	13.5	50.9	68.2	-17.3	Peak	Horizontal
	8403.5	36.0	12.5	48.5	74.0	-25.5	Peak	Horizontal
	9092.0	34.2	13.6	47.8	74.0	-26.2	Peak	Horizontal
*	7154.0	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	8012.5	36.3	13.7	50.0	68.2	-18.2	Peak	Vertical
	8191.0	36.2	13.1	49.3	74.0	-24.7	Peak	Vertical
	9168.5	33.8	14.1	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	36.2	12.2	48.4	68.2	-19.8	Peak	Horizontal
*	7919.0	34.4	13.4	47.8	68.2	-20.4	Peak	Horizontal
	8267.5	36.6	12.8	49.4	74.0	-24.6	Peak	Horizontal
	9143.0	35.1	14.0	49.1	74.0	-24.9	Peak	Horizontal
*	7162.5	35.7	12.5	48.2	68.2	-20.0	Peak	Vertical
*	7927.5	35.4	13.5	48.9	68.2	-19.3	Peak	Vertical
	8199.5	36.1	13.1	49.2	74.0	-24.8	Peak	Vertical
	9134.5	34.0	13.9	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7052.0	36.9	11.8	48.7	68.2	-19.5	Peak	Horizontal
*	8012.5	35.8	13.7	49.5	68.2	-18.7	Peak	Horizontal
	8327.0	36.2	12.6	48.8	74.0	-25.2	Peak	Horizontal
	9185.5	35.9	14.2	50.1	74.0	-23.9	Peak	Horizontal
*	7179.5	35.9	12.5	48.4	68.2	-19.8	Peak	Vertical
*	7842.5	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
	9083.5	36.4	13.5	49.9	74.0	-24.1	Peak	Vertical
	10877.0	34.6	18.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7179.5	37.0	12.5	49.5	68.2	-18.7	Peak	Horizontal
*	7842.5	36.2	13.3	49.5	68.2	-18.7	Peak	Horizontal
	9347.0	35.2	14.7	49.9	74.0	-24.1	Peak	Horizontal
	10860.0	35.4	18.1	53.5	74.0	-20.5	Peak	Horizontal
*	7120.0	35.7	12.2	47.9	68.2	-20.3	Peak	Vertical
*	7902.0	36.0	13.4	49.4	68.2	-18.8	Peak	Vertical
	8208.0	36.3	13.0	49.3	74.0	-24.7	Peak	Vertical
	9177.0	35.4	14.2	49.6	74.0	-24.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	35.5	12.5	48.0	68.2	-20.2	Peak	Horizontal
*	7927.5	35.5	13.5	49.0	68.2	-19.2	Peak	Horizontal
	9194.0	36.4	14.3	50.7	74.0	-23.3	Peak	Horizontal
	10826.0	34.8	18.0	52.8	74.0	-21.2	Peak	Horizontal
*	7077.5	36.7	11.9	48.6	68.2	-19.6	Peak	Vertical
*	8004.0	35.8	13.7	49.5	68.2	-18.7	Peak	Vertical
	9075.0	35.4	13.5	48.9	74.0	-25.1	Peak	Vertical
	9449.0	35.5	14.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	50.8	10.8	61.6	68.2	-6.6	Peak	Horizontal
*	7953.0	36.8	13.5	50.3	68.2	-17.9	Peak	Horizontal
	9058.0	33.9	13.4	47.3	74.0	-26.7	Peak	Horizontal
	9381.0	36.7	14.7	51.4	74.0	-22.6	Peak	Horizontal
*	6907.5	54.8	10.8	65.6	68.2	-2.6	Peak	Vertical
*	8786.0	34.7	13.3	48.0	68.2	-20.2	Peak	Vertical
	9092.0	34.6	13.6	48.2	74.0	-25.8	Peak	Vertical
	10928.0	33.6	18.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	48.6	11.1	59.7	68.2	-8.5	Peak	Horizontal
*	7927.5	36.8	13.5	50.3	68.2	-17.9	Peak	Horizontal
	9049.5	35.3	13.4	48.7	74.0	-25.3	Peak	Horizontal
	10877.0	34.5	18.1	52.6	74.0	-21.4	Peak	Horizontal
*	6958.5	53.2	11.1	64.3	68.2	-3.9	Peak	Vertical
*	7978.5	37.5	13.6	51.1	68.2	-17.1	Peak	Vertical
	9049.5	34.7	13.4	48.1	74.0	-25.9	Peak	Vertical
	11336.0	36.3	17.6	53.9	74.0	-20.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6984.0	48.4	11.2	59.6	68.2	-8.6	Peak	Horizontal
*	8709.5	36.6	13.0	49.6	68.2	-18.6	Peak	Horizontal
	9058.0	35.4	13.4	48.8	74.0	-25.2	Peak	Horizontal
	9474.5	34.8	14.9	49.7	74.0	-24.3	Peak	Horizontal
*	6984.0	52.7	11.2	63.9	68.2	-4.3	Peak	Vertical
*	7944.5	37.3	13.5	50.8	68.2	-17.4	Peak	Vertical
	9151.5	36.3	14.1	50.4	74.0	-23.6	Peak	Vertical
	9364.0	35.4	14.7	50.1	74.0	-23.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7009.5	48.4	11.3	59.7	68.2	-8.5	Peak	Horizontal
*	7961.5	36.9	13.5	50.4	68.2	-17.8	Peak	Horizontal
	9100.5	36.8	13.7	50.5	74.0	-23.5	Peak	Horizontal
	9432.0	35.0	14.9	49.9	74.0	-24.1	Peak	Horizontal
*	7009.5	53.3	11.3	64.6	68.2	-3.6	Peak	Vertical
*	7859.5	36.2	13.3	49.5	68.2	-18.7	Peak	Vertical
	8310.0	37.3	12.6	49.9	74.0	-24.1	Peak	Vertical
	9381.0	35.4	14.7	50.1	74.0	-23.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	47.2	11.8	59.0	68.2	-9.2	Peak	Horizontal
*	7927.5	36.0	13.5	49.5	68.2	-18.7	Peak	Horizontal
	8199.5	36.6	13.1	49.7	74.0	-24.3	Peak	Horizontal
	9134.5	35.4	13.9	49.3	74.0	-24.7	Peak	Horizontal
*	7069.0	54.2	11.8	66.0	68.2	-2.2	Peak	Vertical
*	7953.0	36.4	13.5	49.9	68.2	-18.3	Peak	Vertical
	8310.0	36.8	12.6	49.4	74.0	-24.6	Peak	Vertical
	9092.0	35.8	13.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	45.3	12.0	57.3	68.2	-10.9	Peak	Horizontal
*	7893.5	36.3	13.4	49.7	68.2	-18.5	Peak	Horizontal
	9168.5	35.1	14.1	49.2	74.0	-24.8	Peak	Horizontal
	9423.5	35.3	14.9	50.2	74.0	-23.8	Peak	Horizontal
*	7094.5	54.3	12.0	66.3	68.2	-1.9	Peak	Vertical
*	7842.5	34.7	13.3	48.0	68.2	-20.2	Peak	Vertical
	9058.0	35.8	13.4	49.2	74.0	-24.8	Peak	Vertical
	9457.5	33.6	14.9	48.5	74.0	-25.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
*	7953.0	35.7	13.5	49.2	68.2	-19.0	Peak	Horizontal
	8361.0	36.1	12.6	48.7	74.0	-25.3	Peak	Horizontal
	9143.0	35.6	14.0	49.6	74.0	-24.4	Peak	Horizontal
*	7120.0	36.0	12.2	48.2	68.2	-20.0	Peak	Vertical
*	7953.0	34.8	13.5	48.3	68.2	-19.9	Peak	Vertical
	9151.5	35.4	14.1	49.5	74.0	-24.5	Peak	Vertical
	9381.0	33.5	14.7	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7230.5	36.2	12.7	48.9	68.2	-19.3	Peak	Horizontal
*	7817.0	36.4	13.2	49.6	68.2	-18.6	Peak	Horizontal
	9058.0	35.9	13.4	49.3	74.0	-24.7	Peak	Horizontal
	9457.5	34.2	14.9	49.1	74.0	-24.9	Peak	Horizontal
*	7103.0	36.3	12.1	48.4	68.2	-19.8	Peak	Vertical
*	7987.0	36.2	13.7	49.9	68.2	-18.3	Peak	Vertical
	9075.0	35.2	13.5	48.7	74.0	-25.3	Peak	Vertical
	9398.0	35.2	14.7	49.9	74.0	-24.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7128.5	36.0	12.3	48.3	68.2	-19.9	Peak	Horizontal
*	7902.0	34.4	13.4	47.8	68.2	-20.4	Peak	Horizontal
	8250.5	34.9	12.9	47.8	74.0	-26.2	Peak	Horizontal
	9032.5	33.9	13.4	47.3	74.0	-26.7	Peak	Horizontal
*	7111.5	36.4	12.2	48.6	68.2	-19.6	Peak	Vertical
*	7876.5	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
	9143.0	35.2	14.0	49.2	74.0	-24.8	Peak	Vertical
	9423.5	35.0	14.9	49.9	74.0	-24.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7970.0	36.6	13.6	50.2	68.2	-18.0	Peak	Horizontal
	9109.0	36.2	13.7	49.9	74.0	-24.1	Peak	Horizontal
	9321.5	34.8	14.7	49.5	74.0	-24.5	Peak	Horizontal
*	7120.0	35.7	12.2	47.9	68.2	-20.3	Peak	Vertical
*	7953.0	36.6	13.5	50.1	68.2	-18.1	Peak	Vertical
	9117.5	35.9	13.8	49.7	74.0	-24.3	Peak	Vertical
	9381.0	34.5	14.7	49.2	74.0	-24.8	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7162.5	36.4	12.5	48.9	68.2	-19.3	Peak	Horizontal
*	7961.5	35.8	13.5	49.3	68.2	-18.9	Peak	Horizontal
	9083.5	35.3	13.5	48.8	74.0	-25.2	Peak	Horizontal
	9457.5	34.7	14.9	49.6	74.0	-24.4	Peak	Horizontal
*	7188.0	37.1	12.5	49.6	68.2	-18.6	Peak	Vertical
*	7987.0	35.9	13.7	49.6	68.2	-18.6	Peak	Vertical
	9160.0	35.7	14.1	49.8	74.0	-24.2	Peak	Vertical
	9423.5	34.0	14.9	48.9	74.0	-25.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7086.0	35.9	11.9	47.8	68.2	-20.4	Peak	Horizontal
*	7876.5	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
	8420.5	35.3	12.6	47.9	74.0	-26.1	Peak	Horizontal
	9177.0	35.1	14.2	49.3	74.0	-24.7	Peak	Horizontal
*	7171.0	36.1	12.5	48.6	68.2	-19.6	Peak	Vertical
*	8012.5	36.1	13.7	49.8	68.2	-18.4	Peak	Vertical
	9194.0	33.6	14.3	47.9	74.0	-26.1	Peak	Vertical
	9381.0	36.0	14.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7247.5	35.7	12.7	48.4	68.2	-19.8	Peak	Horizontal
*	7876.5	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
	9100.5	35.7	13.7	49.4	74.0	-24.6	Peak	Horizontal
	9338.5	34.5	14.7	49.2	74.0	-24.8	Peak	Horizontal
*	7154.0	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	7842.5	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
	8191.0	37.1	13.1	50.2	74.0	-23.8	Peak	Vertical
	9389.5	33.5	14.7	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6916.0	41.2	10.9	52.1	68.2	-16.1	Peak	Horizontal
*	7910.5	34.8	13.4	48.2	68.2	-20.0	Peak	Horizontal
	8327.0	36.2	12.6	48.8	74.0	-25.2	Peak	Horizontal
	9389.5	36.2	14.7	50.9	74.0	-23.1	Peak	Horizontal
*	6916.0	46.0	10.9	56.9	68.2	-11.3	Peak	Vertical
*	7961.5	36.6	13.5	50.1	68.2	-18.1	Peak	Vertical
	9160.0	35.3	14.1	49.4	74.0	-24.6	Peak	Vertical
	9440.5	33.2	14.9	48.1	74.0	-25.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6975.5	48.2	11.2	59.4	68.2	-8.8	Peak	Horizontal
*	7987.0	34.8	13.7	48.5	68.2	-19.7	Peak	Horizontal
	8327.0	36.1	12.6	48.7	74.0	-25.3	Peak	Horizontal
	9126.0	35.4	13.9	49.3	74.0	-24.7	Peak	Horizontal
*	6975.5	52.0	11.2	63.2	68.2	-5.0	Peak	Vertical
*	7910.5	35.5	13.4	48.9	68.2	-19.3	Peak	Vertical
	8250.5	35.8	12.9	48.7	74.0	-25.3	Peak	Vertical
	9100.5	35.2	13.7	48.9	74.0	-25.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7026.5	49.0	11.5	60.5	68.2	-7.7	Peak	Horizontal
*	7961.5	36.8	13.5	50.3	68.2	-17.9	Peak	Horizontal
	8301.5	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
	9100.5	34.6	13.7	48.3	74.0	-25.7	Peak	Horizontal
*	7026.5	53.5	11.5	65.0	68.2	-3.2	Peak	Vertical
*	7842.5	35.7	13.3	49.0	68.2	-19.2	Peak	Vertical
	8029.5	36.5	13.7	50.2	74.0	-23.8	Peak	Vertical
	9117.5	35.9	13.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7077.5	41.5	11.9	53.4	68.2	-14.8	Peak	Horizontal
*	7953.0	34.9	13.5	48.4	68.2	-19.8	Peak	Horizontal
	8242.0	36.2	13.0	49.2	74.0	-24.8	Peak	Horizontal
	9049.5	34.3	13.4	47.7	74.0	-26.3	Peak	Horizontal
*	7077.5	47.4	11.9	59.3	68.2	-8.9	Peak	Vertical
*	7876.5	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
	8318.5	35.6	12.6	48.2	74.0	-25.8	Peak	Vertical
	9092.0	34.7	13.6	48.3	74.0	-25.7	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7230.5	37.0	12.7	49.7	68.2	-18.5	Peak	Horizontal
*	7842.5	34.5	13.3	47.8	68.2	-20.4	Peak	Horizontal
	8148.5	36.4	13.3	49.7	74.0	-24.3	Peak	Horizontal
	9151.5	35.5	14.1	49.6	74.0	-24.4	Peak	Horizontal
*	7162.5	36.2	12.5	48.7	68.2	-19.5	Peak	Vertical
*	7978.5	36.2	13.6	49.8	68.2	-18.4	Peak	Vertical
	8471.5	36.5	12.7	49.2	74.0	-24.8	Peak	Vertical
	9075.0	34.7	13.5	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7179.5	36.0	12.5	48.5	68.2	-19.7	Peak	Horizontal
*	7927.5	37.2	13.5	50.7	68.2	-17.5	Peak	Horizontal
	8259.0	36.6	12.9	49.5	74.0	-24.5	Peak	Horizontal
	9134.5	36.9	13.9	50.8	74.0	-23.2	Peak	Horizontal
*	7196.5	36.0	12.5	48.5	68.2	-19.7	Peak	Vertical
*	7851.0	36.3	13.3	49.6	68.2	-18.6	Peak	Vertical
	8140.0	35.6	13.4	49.0	74.0	-25.0	Peak	Vertical
	9092.0	34.8	13.6	48.4	74.0	-25.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	7868.0	36.3	13.3	49.6	68.2	-18.6	Peak	Horizontal
	8148.5	36.8	13.3	50.1	74.0	-23.9	Peak	Horizontal
	9100.5	36.1	13.7	49.8	74.0	-24.2	Peak	Horizontal
*	7086.0	36.1	11.9	48.0	68.2	-20.2	Peak	Vertical
*	8012.5	35.9	13.7	49.6	68.2	-18.6	Peak	Vertical
	8386.5	35.5	12.6	48.1	74.0	-25.9	Peak	Vertical
	9151.5	36.3	14.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	7919.0	36.4	13.4	49.8	68.2	-18.4	Peak	Horizontal
	8403.5	36.0	12.5	48.5	74.0	-25.5	Peak	Horizontal
	9049.5	35.4	13.4	48.8	74.0	-25.2	Peak	Horizontal
*	7128.5	35.7	12.3	48.0	68.2	-20.2	Peak	Vertical
*	7995.5	36.8	13.7	50.5	68.2	-17.7	Peak	Vertical
	8429.0	36.3	12.6	48.9	74.0	-25.1	Peak	Vertical
	9185.5	36.2	14.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	151
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
*	7120.0	36.0	12.2	48.2	68.2	-20.0	Peak	Horizontal
*	7868.0	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
	8276.0	35.3	12.8	48.1	74.0	-25.9	Peak	Horizontal
	9177.0	35.5	14.2	49.7	74.0	-24.3	Peak	Horizontal
*	7154.0	36.4	12.4	48.8	68.2	-19.4	Peak	Vertical
*	7893.5	36.8	13.4	50.2	68.2	-18.0	Peak	Vertical
	8318.5	35.8	12.6	48.4	74.0	-25.6	Peak	Vertical
	9168.5	33.7	14.1	47.8	74.0	-26.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	36.2	12.0	48.2	68.2	-20.0	Peak	Horizontal
*	7970.0	35.9	13.6	49.5	68.2	-18.7	Peak	Horizontal
	8199.5	35.1	13.1	48.2	74.0	-25.8	Peak	Horizontal
	9151.5	35.6	14.1	49.7	74.0	-24.3	Peak	Horizontal
*	7154.0	36.3	12.4	48.7	68.2	-19.5	Peak	Vertical
*	7936.0	34.3	13.5	47.8	68.2	-20.4	Peak	Vertical
	8276.0	34.9	12.8	47.7	74.0	-26.3	Peak	Vertical
	9109.0	35.2	13.7	48.9	74.0	-25.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6950.0	41.9	11.1	53.0	68.2	-15.2	Peak	Horizontal
*	7910.5	34.0	13.4	47.4	68.2	-20.8	Peak	Horizontal
	8386.5	34.9	12.6	47.5	74.0	-26.5	Peak	Horizontal
	9109.0	34.4	13.7	48.1	74.0	-25.9	Peak	Horizontal
*	6950.0	45.1	11.1	56.2	68.2	-12.0	Peak	Vertical
*	7944.5	36.1	13.5	49.6	68.2	-18.6	Peak	Vertical
	8352.5	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical
	9100.5	34.2	13.7	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7052.0	41.9	11.8	53.7	68.2	-14.5	Peak	Horizontal
*	8004.0	36.3	13.7	50.0	68.2	-18.2	Peak	Horizontal
	9041.0	33.6	13.4	47.0	74.0	-27.0	Peak	Horizontal
	9372.5	35.9	14.7	50.6	74.0	-23.4	Peak	Horizontal
*	7052.0	47.6	11.8	59.4	68.2	-8.8	Peak	Vertical
*	7842.5	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
	8165.5	34.5	13.3	47.8	74.0	-26.2	Peak	Vertical
	9092.0	34.0	13.6	47.6	74.0	-26.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	36.1	12.4	48.5	68.2	-19.7	Peak	Horizontal
*	7893.5	34.1	13.4	47.5	68.2	-20.7	Peak	Horizontal
	8250.5	36.5	12.9	49.4	74.0	-24.6	Peak	Horizontal
	9049.5	33.5	13.4	46.9	74.0	-27.1	Peak	Horizontal
*	7094.5	35.7	12.0	47.7	68.2	-20.5	Peak	Vertical
*	7842.5	35.8	13.3	49.1	68.2	-19.1	Peak	Vertical
	8463.0	35.6	12.7	48.3	74.0	-25.7	Peak	Vertical
	9117.5	35.6	13.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7128.5	36.0	12.3	48.3	68.2	-19.9	Peak	Horizontal
*	7834.0	36.8	13.2	50.0	68.2	-18.2	Peak	Horizontal
	9092.0	35.2	13.6	48.8	74.0	-25.2	Peak	Horizontal
	9423.5	33.4	14.9	48.3	74.0	-25.7	Peak	Horizontal
*	7137.0	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	7876.5	34.4	13.3	47.7	68.2	-20.5	Peak	Vertical
	8208.0	36.8	13.0	49.8	74.0	-24.2	Peak	Vertical
	9143.0	34.8	14.0	48.8	74.0	-25.2	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7205.0	35.9	12.6	48.5	68.2	-19.7	Peak	Horizontal
*	7944.5	36.0	13.5	49.5	68.2	-18.7	Peak	Horizontal
	9092.0	33.9	13.6	47.5	74.0	-26.5	Peak	Horizontal
	9381.0	34.4	14.7	49.1	74.0	-24.9	Peak	Horizontal
*	7137.0	34.9	12.4	47.3	68.2	-20.9	Peak	Vertical
*	7885.0	36.6	13.4	50.0	68.2	-18.2	Peak	Vertical
	9049.5	33.7	13.4	47.1	74.0	-26.9	Peak	Vertical
	9304.5	34.3	14.6	48.9	74.0	-25.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7213.5	35.6	12.6	48.2	68.2	-20.0	Peak	Horizontal
*	8004.0	36.5	13.7	50.2	68.2	-18.0	Peak	Horizontal
	8369.5	35.6	12.6	48.2	74.0	-25.8	Peak	Horizontal
	9100.5	35.2	13.7	48.9	74.0	-25.1	Peak	Horizontal
*	7128.5	35.6	12.3	47.9	68.2	-20.3	Peak	Vertical
*	7970.0	36.5	13.6	50.1	68.2	-18.1	Peak	Vertical
	8165.5	36.7	13.3	50.0	74.0	-24.0	Peak	Vertical
	9092.0	34.5	13.6	48.1	74.0	-25.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	41.0	10.8	51.8	68.2	-16.4	Peak	Horizontal
*	7230.5	35.2	12.7	47.9	68.2	-20.3	Peak	Horizontal
	8046.5	37.0	13.7	50.7	74.0	-23.3	Peak	Horizontal
	9092.0	34.7	13.6	48.3	74.0	-25.7	Peak	Horizontal
*	6907.5	43.4	10.8	54.2	68.2	-14.0	Peak	Vertical
*	7936.0	34.8	13.5	48.3	68.2	-19.9	Peak	Vertical
	8199.5	35.4	13.1	48.5	74.0	-25.5	Peak	Vertical
	9177.0	32.9	14.2	47.1	74.0	-26.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	39.9	11.1	51.0	68.2	-17.2	Peak	Horizontal
*	7953.0	34.3	13.5	47.8	68.2	-20.4	Peak	Horizontal
	8318.5	36.1	12.6	48.7	74.0	-25.3	Peak	Horizontal
	9049.5	34.0	13.4	47.4	74.0	-26.6	Peak	Horizontal
*	6958.5	42.8	11.1	53.9	68.2	-14.3	Peak	Vertical
*	7919.0	34.8	13.4	48.2	68.2	-20.0	Peak	Vertical
	8344.0	34.9	12.6	47.5	74.0	-26.5	Peak	Vertical
	9134.5	33.1	13.9	47.0	74.0	-27.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6984.0	37.7	11.2	48.9	68.2	-19.3	Peak	Horizontal
*	7961.5	35.4	13.5	48.9	68.2	-19.3	Peak	Horizontal
	8276.0	34.7	12.8	47.5	74.0	-26.5	Peak	Horizontal
	9092.0	33.3	13.6	46.9	74.0	-27.1	Peak	Horizontal
*	6984.0	42.1	11.2	53.3	68.2	-14.9	Peak	Vertical
*	7953.0	33.7	13.5	47.2	68.2	-21.0	Peak	Vertical
	8301.5	35.7	12.6	48.3	74.0	-25.7	Peak	Vertical
	9134.5	34.7	13.9	48.6	74.0	-25.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7247.5	33.4	12.7	46.1	68.2	-22.1	Peak	Horizontal
*	7919.0	35.1	13.4	48.5	68.2	-19.7	Peak	Horizontal
	8310.0	34.3	12.6	46.9	74.0	-27.1	Peak	Horizontal
	9126.0	35.3	13.9	49.2	74.0	-24.8	Peak	Horizontal
*	7009.5	41.9	11.3	53.2	68.2	-15.0	Peak	Vertical
*	8004.0	36.3	13.7	50.0	68.2	-18.2	Peak	Vertical
	8310.0	35.9	12.6	48.5	74.0	-25.5	Peak	Vertical
	9126.0	34.4	13.9	48.3	74.0	-25.7	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	36.0	12.5	48.5	68.2	-19.7	Peak	Horizontal
*	7876.5	34.9	13.3	48.2	68.2	-20.0	Peak	Horizontal
	8199.5	35.2	13.1	48.3	74.0	-25.7	Peak	Horizontal
	9134.5	34.0	13.9	47.9	74.0	-26.1	Peak	Horizontal
*	7069.0	40.3	11.8	52.1	68.2	-16.1	Peak	Vertical
*	7953.0	35.8	13.5	49.3	68.2	-18.9	Peak	Vertical
	8242.0	35.7	13.0	48.7	74.0	-25.3	Peak	Vertical
	9177.0	36.2	14.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7103.0	36.8	12.1	48.9	68.2	-19.3	Peak	Horizontal
*	7953.0	35.2	13.5	48.7	68.2	-19.5	Peak	Horizontal
	8327.0	34.9	12.6	47.5	74.0	-26.5	Peak	Horizontal
	9143.0	34.5	14.0	48.5	74.0	-25.5	Peak	Horizontal
*	7094.5	39.3	12.0	51.3	68.2	-16.9	Peak	Vertical
*	8012.5	35.2	13.7	48.9	68.2	-19.3	Peak	Vertical
	8344.0	35.8	12.6	48.4	74.0	-25.6	Peak	Vertical
	9083.5	35.5	13.5	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7213.5	36.1	12.6	48.7	68.2	-19.5	Peak	Horizontal
*	7876.5	34.0	13.3	47.3	68.2	-20.9	Peak	Horizontal
	8352.5	34.8	12.6	47.4	74.0	-26.6	Peak	Horizontal
	9160.0	35.5	14.1	49.6	74.0	-24.4	Peak	Horizontal
*	7120.0	36.2	12.2	48.4	68.2	-19.8	Peak	Vertical
*	7936.0	35.9	13.5	49.4	68.2	-18.8	Peak	Vertical
	8242.0	34.6	13.0	47.6	74.0	-26.4	Peak	Vertical
	9049.5	34.3	13.4	47.7	74.0	-26.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7230.5	35.9	12.7	48.6	68.2	-19.6	Peak	Horizontal
*	7842.5	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
	8157.0	36.6	13.3	49.9	74.0	-24.1	Peak	Horizontal
	9415.0	35.8	14.8	50.6	74.0	-23.4	Peak	Horizontal
*	7060.5	36.1	11.8	47.9	68.2	-20.3	Peak	Vertical
*	7205.0	34.6	12.6	47.2	68.2	-21.0	Peak	Vertical
	7468.5	39.3	12.9	52.2	74.0	-21.8	Peak	Vertical
	8140.0	35.9	13.4	49.3	74.0	-24.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	35.5	12.5	48.0	68.2	-20.2	Peak	Horizontal
*	7927.5	36.2	13.5	49.7	68.2	-18.5	Peak	Horizontal
	8191.0	36.5	13.1	49.6	74.0	-24.4	Peak	Horizontal
	9109.0	33.8	13.7	47.5	74.0	-26.5	Peak	Horizontal
*	7213.5	36.5	12.6	49.1	68.2	-19.1	Peak	Vertical
*	7902.0	35.2	13.4	48.6	68.2	-19.6	Peak	Vertical
	8233.5	36.9	13.0	49.9	74.0	-24.1	Peak	Vertical
	9160.0	35.8	14.1	49.9	74.0	-24.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7179.5	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7944.5	36.1	13.5	49.6	68.2	-18.6	Peak	Horizontal
	8191.0	36.8	13.1	49.9	74.0	-24.1	Peak	Horizontal
	9126.0	35.2	13.9	49.1	74.0	-24.9	Peak	Horizontal
*	7128.5	36.3	12.3	48.6	68.2	-19.6	Peak	Vertical
*	7978.5	35.9	13.6	49.5	68.2	-18.7	Peak	Vertical
	8140.0	36.7	13.4	50.1	74.0	-23.9	Peak	Vertical
	9143.0	35.3	14.0	49.3	74.0	-24.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	36.1	11.8	47.9	68.2	-20.3	Peak	Horizontal
*	7902.0	36.0	13.4	49.4	68.2	-18.8	Peak	Horizontal
	8310.0	35.7	12.6	48.3	74.0	-25.7	Peak	Horizontal
	9100.5	34.8	13.7	48.5	74.0	-25.5	Peak	Horizontal
*	7196.5	35.8	12.5	48.3	68.2	-19.9	Peak	Vertical
*	7791.5	36.2	13.1	49.3	68.2	-18.9	Peak	Vertical
	8080.5	36.1	13.7	49.8	74.0	-24.2	Peak	Vertical
	9134.5	34.1	13.9	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	7808.5	34.8	13.2	48.0	68.2	-20.2	Peak	Horizontal
	8199.5	36.4	13.1	49.5	74.0	-24.5	Peak	Horizontal
	9109.0	36.1	13.7	49.8	74.0	-24.2	Peak	Horizontal
*	7103.0	36.8	12.1	48.9	68.2	-19.3	Peak	Vertical
*	7953.0	36.3	13.5	49.8	68.2	-18.4	Peak	Vertical
	8208.0	36.7	13.0	49.7	74.0	-24.3	Peak	Vertical
	9049.5	34.8	13.4	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	39.7	10.8	50.5	68.2	-17.7	Peak	Horizontal
*	7919.0	33.8	13.4	47.2	68.2	-21.0	Peak	Horizontal
	8386.5	34.5	12.6	47.1	74.0	-26.9	Peak	Horizontal
	9049.5	35.0	13.4	48.4	74.0	-25.6	Peak	Horizontal
*	6907.5	42.1	10.8	52.9	68.2	-15.3	Peak	Vertical
*	7808.5	34.8	13.2	48.0	68.2	-20.2	Peak	Vertical
	8165.5	35.4	13.3	48.7	74.0	-25.3	Peak	Vertical
	9109.0	34.2	13.7	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	38.5	11.1	49.6	68.2	-18.6	Peak	Horizontal
*	7978.5	33.8	13.6	47.4	68.2	-20.8	Peak	Horizontal
	8276.0	34.4	12.8	47.2	74.0	-26.8	Peak	Horizontal
	9092.0	34.0	13.6	47.6	74.0	-26.4	Peak	Horizontal
*	6958.5	42.5	11.1	53.6	68.2	-14.6	Peak	Vertical
*	7859.5	35.4	13.3	48.7	68.2	-19.5	Peak	Vertical
	8429.0	35.7	12.6	48.3	74.0	-25.7	Peak	Vertical
	9083.5	35.3	13.5	48.8	74.0	-25.2	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7902.0	35.6	13.4	49.0	68.2	-19.2	Peak	Horizontal
	8199.5	34.5	13.1	47.6	74.0	-26.4	Peak	Horizontal
	9075.0	34.9	13.5	48.4	74.0	-25.6	Peak	Horizontal
*	6984.0	41.6	11.2	52.8	68.2	-15.4	Peak	Vertical
*	7808.5	34.9	13.2	48.1	68.2	-20.1	Peak	Vertical
	8310.0	33.9	12.6	46.5	74.0	-27.5	Peak	Vertical
	9143.0	34.6	14.0	48.6	74.0	-25.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7808.5	33.8	13.2	47.0	68.2	-21.2	Peak	Horizontal
	8140.0	35.0	13.4	48.4	74.0	-25.6	Peak	Horizontal
	9134.5	34.4	13.9	48.3	74.0	-25.7	Peak	Horizontal
*	7009.5	40.8	11.3	52.1	68.2	-16.1	Peak	Vertical
*	7808.5	33.3	13.2	46.5	68.2	-21.7	Peak	Vertical
	8131.5	34.6	13.4	48.0	74.0	-26.0	Peak	Vertical
	9049.5	33.7	13.4	47.1	74.0	-26.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	36.5	12.5	49.0	68.2	-19.2	Peak	Horizontal
*	7842.5	33.7	13.3	47.0	68.2	-21.2	Peak	Horizontal
	8284.5	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
	9177.0	34.9	14.2	49.1	74.0	-24.9	Peak	Horizontal
*	7069.0	39.4	11.8	51.2	68.2	-17.0	Peak	Vertical
*	7970.0	35.6	13.6	49.2	68.2	-19.0	Peak	Vertical
	8276.0	34.4	12.8	47.2	74.0	-26.8	Peak	Vertical
	9151.5	34.8	14.1	48.9	74.0	-25.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7077.5	35.8	11.9	47.7	68.2	-20.5	Peak	Horizontal
*	7995.5	35.2	13.7	48.9	68.2	-19.3	Peak	Horizontal
	8216.5	35.6	13.0	48.6	74.0	-25.4	Peak	Horizontal
	9151.5	35.1	14.1	49.2	74.0	-24.8	Peak	Horizontal
*	7094.5	38.4	12.0	50.4	68.2	-17.8	Peak	Vertical
*	7936.0	35.3	13.5	48.8	68.2	-19.4	Peak	Vertical
	8310.0	35.8	12.6	48.4	74.0	-25.6	Peak	Vertical
	9075.0	35.1	13.5	48.6	74.0	-25.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	36.4	12.4	48.8	68.2	-19.4	Peak	Horizontal
*	7936.0	36.4	13.5	49.9	68.2	-18.3	Peak	Horizontal
	8165.5	36.2	13.3	49.5	74.0	-24.5	Peak	Horizontal
	9109.0	36.2	13.7	49.9	74.0	-24.1	Peak	Horizontal
*	7128.5	36.6	12.3	48.9	68.2	-19.3	Peak	Vertical
*	7910.5	35.3	13.4	48.7	68.2	-19.5	Peak	Vertical
	8250.5	35.3	12.9	48.2	74.0	-25.8	Peak	Vertical
	9160.0	36.2	14.1	50.3	74.0	-23.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7001.0	36.3	11.2	47.5	68.2	-20.7	Peak	Horizontal
*	7910.5	35.1	13.4	48.5	68.2	-19.7	Peak	Horizontal
	8259.0	35.8	12.9	48.7	74.0	-25.3	Peak	Horizontal
	9075.0	34.9	13.5	48.4	74.0	-25.6	Peak	Horizontal
*	7086.0	35.8	11.9	47.7	68.2	-20.5	Peak	Vertical
*	7213.5	34.2	12.6	46.8	68.2	-21.4	Peak	Vertical
	7468.5	38.3	12.9	51.2	74.0	-22.8	Peak	Vertical
	8165.5	36.1	13.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	36.2	12.4	48.6	68.2	-19.6	Peak	Horizontal
*	7808.5	34.4	13.2	47.6	68.2	-20.6	Peak	Horizontal
	8165.5	35.1	13.3	48.4	74.0	-25.6	Peak	Horizontal
	9092.0	36.3	13.6	49.9	74.0	-24.1	Peak	Horizontal
*	7196.5	37.4	12.5	49.9	68.2	-18.3	Peak	Vertical
*	7876.5	35.9	13.3	49.2	68.2	-19.0	Peak	Vertical
	8250.5	37.2	12.9	50.1	74.0	-23.9	Peak	Vertical
	9015.5	34.2	13.4	47.6	74.0	-26.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	35.7	12.4	48.1	68.2	-20.1	Peak	Horizontal
*	7978.5	35.1	13.6	48.7	68.2	-19.5	Peak	Horizontal
	8318.5	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
	9049.5	33.9	13.4	47.3	74.0	-26.7	Peak	Horizontal
*	7222.0	36.2	12.7	48.9	68.2	-19.3	Peak	Vertical
*	7825.5	36.4	13.2	49.6	68.2	-18.6	Peak	Vertical
	8259.0	36.2	12.9	49.1	74.0	-24.9	Peak	Vertical
	9134.5	35.5	13.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	36.0	12.2	48.2	68.2	-20.0	Peak	Horizontal
*	7970.0	36.1	13.6	49.7	68.2	-18.5	Peak	Horizontal
	8267.5	34.4	12.8	47.2	74.0	-26.8	Peak	Horizontal
	9075.0	33.3	13.5	46.8	74.0	-27.2	Peak	Horizontal
*	7111.5	35.7	12.2	47.9	68.2	-20.3	Peak	Vertical
*	7970.0	35.4	13.6	49.0	68.2	-19.2	Peak	Vertical
	8199.5	35.4	13.1	48.5	74.0	-25.5	Peak	Vertical
	9092.0	33.9	13.6	47.5	74.0	-26.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	36.6	12.4	49.0	68.2	-19.2	Peak	Horizontal
*	7876.5	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
	8310.0	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
	9058.0	34.7	13.4	48.1	74.0	-25.9	Peak	Horizontal
*	7128.5	36.2	12.3	48.5	68.2	-19.7	Peak	Vertical
*	7834.0	35.6	13.2	48.8	68.2	-19.4	Peak	Vertical
	8199.5	34.9	13.1	48.0	74.0	-26.0	Peak	Vertical
	9092.0	34.4	13.6	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6805.5	36.8	10.3	47.1	68.2	-21.1	Peak	Horizontal
*	7944.5	35.9	13.5	49.4	68.2	-18.8	Peak	Horizontal
	8344.0	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
	9406.5	35.4	14.8	50.2	74.0	-23.8	Peak	Horizontal
*	7103.0	35.7	12.1	47.8	68.2	-20.4	Peak	Vertical
*	7902.0	36.2	13.4	49.6	68.2	-18.6	Peak	Vertical
	8148.5	36.3	13.3	49.6	74.0	-24.4	Peak	Vertical
	9049.5	34.5	13.4	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7213.5	35.4	12.6	48.0	68.2	-20.2	Peak	Horizontal
*	7817.0	34.4	13.2	47.6	68.2	-20.6	Peak	Horizontal
	8182.5	36.1	13.2	49.3	74.0	-24.7	Peak	Horizontal
	9049.5	34.4	13.4	47.8	74.0	-26.2	Peak	Horizontal
*	6916.0	39.0	10.9	49.9	68.2	-18.3	Peak	Vertical
*	7978.5	35.9	13.6	49.5	68.2	-18.7	Peak	Vertical
	8182.5	36.2	13.2	49.4	74.0	-24.6	Peak	Vertical
	9066.5	34.6	13.4	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7179.5	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7919.0	35.6	13.4	49.0	68.2	-19.2	Peak	Horizontal
	8199.5	34.4	13.1	47.5	74.0	-26.5	Peak	Horizontal
	9168.5	35.1	14.1	49.2	74.0	-24.8	Peak	Horizontal
*	6975.5	40.1	11.2	51.3	68.2	-16.9	Peak	Vertical
*	7817.0	35.8	13.2	49.0	68.2	-19.2	Peak	Vertical
	8259.0	36.7	12.9	49.6	74.0	-24.4	Peak	Vertical
	9143.0	35.2	14.0	49.2	74.0	-24.8	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	36.8	12.4	49.2	68.2	-19.0	Peak	Horizontal
*	7808.5	33.7	13.2	46.9	68.2	-21.3	Peak	Horizontal
	8352.5	35.8	12.6	48.4	74.0	-25.6	Peak	Horizontal
	9058.0	34.3	13.4	47.7	74.0	-26.3	Peak	Horizontal
*	7026.5	39.3	11.5	50.8	68.2	-17.4	Peak	Vertical
*	7936.0	35.5	13.5	49.0	68.2	-19.2	Peak	Vertical
	8242.0	35.9	13.0	48.9	74.0	-25.1	Peak	Vertical
	9109.0	34.1	13.7	47.8	74.0	-26.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
*	7995.5	35.0	13.7	48.7	68.2	-19.5	Peak	Horizontal
	8352.5	34.6	12.6	47.2	74.0	-26.8	Peak	Horizontal
	9168.5	34.5	14.1	48.6	74.0	-25.4	Peak	Horizontal
*	7035.0	35.0	11.6	46.6	68.2	-21.6	Peak	Vertical
*	7834.0	34.9	13.2	48.1	68.2	-20.1	Peak	Vertical
	8352.5	35.5	12.6	48.1	74.0	-25.9	Peak	Vertical
	9083.5	35.6	13.5	49.1	74.0	-24.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	34.8	12.2	47.0	68.2	-21.2	Peak	Horizontal
*	7970.0	35.7	13.6	49.3	68.2	-18.9	Peak	Horizontal
	8199.5	35.5	13.1	48.6	74.0	-25.4	Peak	Horizontal
	9134.5	34.0	13.9	47.9	74.0	-26.1	Peak	Horizontal
*	7128.5	35.8	12.3	48.1	68.2	-20.1	Peak	Vertical
*	7936.0	35.9	13.5	49.4	68.2	-18.8	Peak	Vertical
	8131.5	34.1	13.4	47.5	74.0	-26.5	Peak	Vertical
	9092.0	33.4	13.6	47.0	74.0	-27.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7213.5	35.7	12.6	48.3	68.2	-19.9	Peak	Horizontal
*	7919.0	36.3	13.4	49.7	68.2	-18.5	Peak	Horizontal
	8157.0	35.2	13.3	48.5	74.0	-25.5	Peak	Horizontal
	9134.5	34.0	13.9	47.9	74.0	-26.1	Peak	Horizontal
*	7205.0	35.4	12.6	48.0	68.2	-20.2	Peak	Vertical
*	7987.0	35.2	13.7	48.9	68.2	-19.3	Peak	Vertical
	8165.5	35.1	13.3	48.4	74.0	-25.6	Peak	Vertical
	9143.0	35.1	14.0	49.1	74.0	-24.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	35.5	12.2	47.7	68.2	-20.5	Peak	Horizontal
*	7953.0	36.2	13.5	49.7	68.2	-18.5	Peak	Horizontal
	8225.0	35.1	13.1	48.2	74.0	-25.8	Peak	Horizontal
	9092.0	35.0	13.6	48.6	74.0	-25.4	Peak	Horizontal
*	7077.5	36.0	11.9	47.9	68.2	-20.3	Peak	Vertical
*	7978.5	34.7	13.6	48.3	68.2	-19.9	Peak	Vertical
	8276.0	34.9	12.8	47.7	74.0	-26.3	Peak	Vertical
	9134.5	33.5	13.9	47.4	74.0	-26.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7001.0	35.5	11.2	46.7	68.2	-21.5	Peak	Horizontal
*	7817.0	35.3	13.2	48.5	68.2	-19.7	Peak	Horizontal
	8199.5	34.3	13.1	47.4	74.0	-26.6	Peak	Horizontal
	9092.0	33.5	13.6	47.1	74.0	-26.9	Peak	Horizontal
*	7205.0	34.9	12.6	47.5	68.2	-20.7	Peak	Vertical
*	8004.0	35.4	13.7	49.1	68.2	-19.1	Peak	Vertical
	8199.5	34.2	13.1	47.3	74.0	-26.7	Peak	Vertical
	9049.5	33.5	13.4	46.9	74.0	-27.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	151
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
*	7128.5	35.4	12.3	47.7	68.2	-20.5	Peak	Horizontal
*	8012.5	35.7	13.7	49.4	68.2	-18.8	Peak	Horizontal
	9049.5	33.5	13.4	46.9	74.0	-27.1	Peak	Horizontal
	9423.5	33.1	14.9	48.0	74.0	-26.0	Peak	Horizontal
*	7120.0	35.3	12.2	47.5	68.2	-20.7	Peak	Vertical
*	7868.0	34.8	13.3	48.1	68.2	-20.1	Peak	Vertical
	8420.5	34.3	12.6	46.9	74.0	-27.1	Peak	Vertical
	9168.5	33.8	14.1	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	34.9	12.2	47.1	68.2	-21.1	Peak	Horizontal
*	8004.0	35.3	13.7	49.0	68.2	-19.2	Peak	Horizontal
	8199.5	34.8	13.1	47.9	74.0	-26.1	Peak	Horizontal
	9083.5	34.5	13.5	48.0	74.0	-26.0	Peak	Horizontal
*	7188.0	35.5	12.5	48.0	68.2	-20.2	Peak	Vertical
*	7910.5	34.8	13.4	48.2	68.2	-20.0	Peak	Vertical
	8369.5	35.3	12.6	47.9	74.0	-26.1	Peak	Vertical
	9092.0	33.3	13.6	46.9	74.0	-27.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6950.0	36.5	11.1	47.6	68.2	-20.6	Peak	Horizontal
*	7876.5	34.2	13.3	47.5	68.2	-20.7	Peak	Horizontal
	8199.5	36.3	13.1	49.4	74.0	-24.6	Peak	Horizontal
	9066.5	34.6	13.4	48.0	74.0	-26.0	Peak	Horizontal
*	6950.0	38.2	11.1	49.3	68.2	-18.9	Peak	Vertical
*	7876.5	33.9	13.3	47.2	68.2	-21.0	Peak	Vertical
	8310.0	35.6	12.6	48.2	74.0	-25.8	Peak	Vertical
	9100.5	35.8	13.7	49.5	74.0	-24.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	35.3	12.5	47.8	68.2	-20.4	Peak	Horizontal
*	7893.5	34.7	13.4	48.1	68.2	-20.1	Peak	Horizontal
	8259.0	35.2	12.9	48.1	74.0	-25.9	Peak	Horizontal
	9092.0	33.3	13.6	46.9	74.0	-27.1	Peak	Horizontal
*	7052.0	36.9	11.8	48.7	68.2	-19.5	Peak	Vertical
*	7893.5	34.9	13.4	48.3	68.2	-19.9	Peak	Vertical
	8165.5	35.0	13.3	48.3	74.0	-25.7	Peak	Vertical
	9083.5	34.7	13.5	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6882.0	36.3	10.6	46.9	68.2	-21.3	Peak	Horizontal
*	7876.5	33.2	13.3	46.5	68.2	-21.7	Peak	Horizontal
	8293.0	33.9	12.7	46.6	74.0	-27.4	Peak	Horizontal
	9092.0	33.9	13.6	47.5	74.0	-26.5	Peak	Horizontal
*	7137.0	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	7876.5	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
	8191.0	36.7	13.1	49.8	74.0	-24.2	Peak	Vertical
	9151.5	35.2	14.1	49.3	74.0	-24.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	35.1	12.5	47.6	68.2	-20.6	Peak	Horizontal
*	7808.5	35.2	13.2	48.4	68.2	-19.8	Peak	Horizontal
	8284.5	34.4	12.7	47.1	74.0	-26.9	Peak	Horizontal
	9143.0	35.0	14.0	49.0	74.0	-25.0	Peak	Horizontal
*	7171.0	35.6	12.5	48.1	68.2	-20.1	Peak	Vertical
*	7987.0	34.4	13.7	48.1	68.2	-20.1	Peak	Vertical
	8276.0	34.7	12.8	47.5	74.0	-26.5	Peak	Vertical
	9066.5	34.6	13.4	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	7953.0	34.9	13.5	48.4	68.2	-19.8	Peak	Horizontal
	8403.5	34.6	12.5	47.1	74.0	-26.9	Peak	Horizontal
	9049.5	33.8	13.4	47.2	74.0	-26.8	Peak	Horizontal
*	7043.5	34.6	11.7	46.3	68.2	-21.9	Peak	Vertical
*	7910.5	34.0	13.4	47.4	68.2	-20.8	Peak	Vertical
	9143.0	34.6	14.0	48.6	74.0	-25.4	Peak	Vertical
	11123.5	33.6	17.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.5	34.8	11.7	46.5	68.2	-21.7	Peak	Horizontal
*	7842.5	33.8	13.3	47.1	68.2	-21.1	Peak	Horizontal
	8386.5	34.9	12.6	47.5	74.0	-26.5	Peak	Horizontal
	9134.5	33.6	13.9	47.5	74.0	-26.5	Peak	Horizontal
*	7179.5	36.1	12.5	48.6	68.2	-19.6	Peak	Vertical
*	7842.5	33.5	13.3	46.8	68.2	-21.4	Peak	Vertical
	8199.5	33.8	13.1	46.9	74.0	-27.1	Peak	Vertical
	9049.5	33.5	13.4	46.9	74.0	-27.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	44.3	10.8	55.1	68.2	-13.1	Peak	Horizontal
*	7842.5	34.0	13.3	47.3	68.2	-20.9	Peak	Horizontal
	8352.5	34.2	12.6	46.8	74.0	-27.2	Peak	Horizontal
	9100.5	33.2	13.7	46.9	74.0	-27.1	Peak	Horizontal
*	6907.5	44.7	10.8	55.5	68.2	-12.7	Peak	Vertical
*	8012.5	35.6	13.7	49.3	68.2	-18.9	Peak	Vertical
	8318.5	35.4	12.6	48.0	74.0	-26.0	Peak	Vertical
	9134.5	34.3	13.9	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	41.6	11.1	52.7	68.2	-15.5	Peak	Horizontal
*	7876.5	34.2	13.3	47.5	68.2	-20.7	Peak	Horizontal
	8140.0	35.6	13.4	49.0	74.0	-25.0	Peak	Horizontal
	9134.5	33.7	13.9	47.6	74.0	-26.4	Peak	Horizontal
*	6958.5	44.4	11.1	55.5	68.2	-12.7	Peak	Vertical
*	7919.0	33.5	13.4	46.9	68.2	-21.3	Peak	Vertical
	8029.5	33.7	13.7	47.4	74.0	-26.6	Peak	Vertical
	9381.0	33.8	14.7	48.5	74.0	-25.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6984.0	40.5	11.2	51.7	68.2	-16.5	Peak	Horizontal
*	7970.0	35.3	13.6	48.9	68.2	-19.3	Peak	Horizontal
	8310.0	35.0	12.6	47.6	74.0	-26.4	Peak	Horizontal
	9185.5	34.5	14.2	48.7	74.0	-25.3	Peak	Horizontal
*	6984.0	43.2	11.2	54.4	68.2	-13.8	Peak	Vertical
*	8004.0	36.1	13.7	49.8	68.2	-18.4	Peak	Vertical
	8335.5	35.5	12.6	48.1	74.0	-25.9	Peak	Vertical
	9100.5	33.6	13.7	47.3	74.0	-26.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7009.5	39.9	11.3	51.2	68.2	-17.0	Peak	Horizontal
*	8012.5	35.5	13.7	49.2	68.2	-19.0	Peak	Horizontal
	8310.0	33.8	12.6	46.4	74.0	-27.6	Peak	Horizontal
	9117.5	35.3	13.8	49.1	74.0	-24.9	Peak	Horizontal
*	7009.5	42.8	11.3	54.1	68.2	-14.1	Peak	Vertical
*	7927.5	35.7	13.5	49.2	68.2	-19.0	Peak	Vertical
	8310.0	34.8	12.6	47.4	74.0	-26.6	Peak	Vertical
	9134.5	33.2	13.9	47.1	74.0	-26.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	37.7	11.8	49.5	68.2	-18.7	Peak	Horizontal
*	7808.5	34.2	13.2	47.4	68.2	-20.8	Peak	Horizontal
	8267.5	34.0	12.8	46.8	74.0	-27.2	Peak	Horizontal
	9092.0	33.1	13.6	46.7	74.0	-27.3	Peak	Horizontal
*	7069.0	41.6	11.8	53.4	68.2	-14.8	Peak	Vertical
*	7834.0	33.2	13.2	46.4	68.2	-21.8	Peak	Vertical
	8352.5	34.1	12.6	46.7	74.0	-27.3	Peak	Vertical
	9058.0	33.0	13.4	46.4	74.0	-27.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.5	34.1	11.7	45.8	68.2	-22.4	Peak	Horizontal
*	7808.5	33.9	13.2	47.1	68.2	-21.1	Peak	Horizontal
	8276.0	34.8	12.8	47.6	74.0	-26.4	Peak	Horizontal
	9058.0	33.5	13.4	46.9	74.0	-27.1	Peak	Horizontal
*	7094.5	41.8	12.0	53.8	68.2	-14.4	Peak	Vertical
*	7851.0	33.5	13.3	46.8	68.2	-21.4	Peak	Vertical
	8403.5	33.8	12.5	46.3	74.0	-27.7	Peak	Vertical
	9092.0	34.4	13.6	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	33.9	12.4	46.3	68.2	-21.9	Peak	Horizontal
*	7893.5	34.6	13.4	48.0	68.2	-20.2	Peak	Horizontal
	8259.0	34.8	12.9	47.7	74.0	-26.3	Peak	Horizontal
	9066.5	33.6	13.4	47.0	74.0	-27.0	Peak	Horizontal
*	7162.5	35.9	12.5	48.4	68.2	-19.8	Peak	Vertical
*	7936.0	35.2	13.5	48.7	68.2	-19.5	Peak	Vertical
	8429.0	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical
	9117.5	34.1	13.8	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7086.0	35.5	11.9	47.4	68.2	-20.8	Peak	Horizontal
*	7868.0	33.7	13.3	47.0	68.2	-21.2	Peak	Horizontal
	8242.0	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
	9134.5	35.1	13.9	49.0	74.0	-25.0	Peak	Horizontal
*	7128.5	36.5	12.3	48.8	68.2	-19.4	Peak	Vertical
*	7995.5	35.5	13.7	49.2	68.2	-19.0	Peak	Vertical
	9109.0	34.6	13.7	48.3	74.0	-25.7	Peak	Vertical
	9389.5	32.7	14.7	47.4	74.0	-26.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7205.0	35.7	12.6	48.3	68.2	-19.9	Peak	Horizontal
*	7919.0	35.4	13.4	48.8	68.2	-19.4	Peak	Horizontal
	8454.5	35.1	12.7	47.8	74.0	-26.2	Peak	Horizontal
	9134.5	32.6	13.9	46.5	74.0	-27.5	Peak	Horizontal
*	7137.0	36.3	12.4	48.7	68.2	-19.5	Peak	Vertical
*	7859.5	34.8	13.3	48.1	68.2	-20.1	Peak	Vertical
	8293.0	34.8	12.7	47.5	74.0	-26.5	Peak	Vertical
	9151.5	35.1	14.1	49.2	74.0	-24.8	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7060.5	36.1	11.8	47.9	68.2	-20.3	Peak	Horizontal
*	8012.5	35.9	13.7	49.6	68.2	-18.6	Peak	Horizontal
	8361.0	36.2	12.6	48.8	74.0	-25.2	Peak	Horizontal
	9143.0	35.1	14.0	49.1	74.0	-24.9	Peak	Horizontal
*	7154.0	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
*	7944.5	35.1	13.5	48.6	68.2	-19.6	Peak	Vertical
	8216.5	35.4	13.0	48.4	74.0	-25.6	Peak	Vertical
	9092.0	35.9	13.6	49.5	74.0	-24.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7162.5	35.2	12.5	47.7	68.2	-20.5	Peak	Horizontal
*	7919.0	35.3	13.4	48.7	68.2	-19.5	Peak	Horizontal
	8174.0	35.2	13.2	48.4	74.0	-25.6	Peak	Horizontal
	9066.5	35.0	13.4	48.4	74.0	-25.6	Peak	Horizontal
*	7120.0	35.5	12.2	47.7	68.2	-20.5	Peak	Vertical
*	7910.5	34.5	13.4	47.9	68.2	-20.3	Peak	Vertical
	8378.0	35.5	12.6	48.1	74.0	-25.9	Peak	Vertical
	9117.5	34.4	13.8	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11a - Ant 2	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7179.5	35.2	12.5	47.7	68.2	-20.5	Peak	Horizontal
*	7842.5	35.2	13.3	48.5	68.2	-19.7	Peak	Horizontal
	8361.0	33.9	12.6	46.5	74.0	-27.5	Peak	Horizontal
	9092.0	34.2	13.6	47.8	74.0	-26.2	Peak	Horizontal
*	7069.0	35.3	11.8	47.1	68.2	-21.1	Peak	Vertical
*	8012.5	35.4	13.7	49.1	68.2	-19.1	Peak	Vertical
	8259.0	35.7	12.9	48.6	74.0	-25.4	Peak	Vertical
	9134.5	33.9	13.9	47.8	74.0	-26.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	43.9	10.8	54.7	68.2	-13.5	Peak	Horizontal
*	7885.0	34.5	13.4	47.9	68.2	-20.3	Peak	Horizontal
	8199.5	34.4	13.1	47.5	74.0	-26.5	Peak	Horizontal
	9083.5	34.0	13.5	47.5	74.0	-26.5	Peak	Horizontal
*	6907.5	44.9	10.8	55.7	68.2	-12.5	Peak	Vertical
*	7910.5	33.7	13.4	47.1	68.2	-21.1	Peak	Vertical
	8386.5	34.6	12.6	47.2	74.0	-26.8	Peak	Vertical
	9049.5	35.0	13.4	48.4	74.0	-25.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	40.8	11.1	51.9	68.2	-16.3	Peak	Horizontal
*	7927.5	33.6	13.5	47.1	68.2	-21.1	Peak	Horizontal
	8250.5	34.6	12.9	47.5	74.0	-26.5	Peak	Horizontal
	9100.5	34.2	13.7	47.9	74.0	-26.1	Peak	Horizontal
*	6958.5	43.9	11.1	55.0	68.2	-13.2	Peak	Vertical
*	10435.0	36.0	17.3	53.3	68.2	-14.9	Peak	Vertical
	11123.5	33.7	17.7	51.4	74.0	-22.6	Peak	Vertical
	11633.5	34.2	17.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6984.0	40.2	11.2	51.4	68.2	-16.8	Peak	Horizontal
*	7995.5	35.4	13.7	49.1	68.2	-19.1	Peak	Horizontal
	8454.5	34.9	12.7	47.6	74.0	-26.4	Peak	Horizontal
	11072.5	32.9	17.9	50.8	74.0	-23.2	Peak	Horizontal
*	6984.0	41.3	11.2	52.5	68.2	-15.7	Peak	Vertical
*	7970.0	35.2	13.6	48.8	68.2	-19.4	Peak	Vertical
	8199.5	37.0	13.1	50.1	74.0	-23.9	Peak	Vertical
	9092.0	33.5	13.6	47.1	74.0	-26.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7009.5	40.0	11.3	51.3	68.2	-16.9	Peak	Horizontal
*	7910.5	33.5	13.4	46.9	68.2	-21.3	Peak	Horizontal
	8080.5	36.5	13.7	50.2	74.0	-23.8	Peak	Horizontal
	11021.5	32.9	17.9	50.8	74.0	-23.2	Peak	Horizontal
*	7009.5	41.1	11.3	52.4	68.2	-15.8	Peak	Vertical
*	7910.5	34.8	13.4	48.2	68.2	-20.0	Peak	Vertical
	8276.0	35.2	12.8	48.0	74.0	-26.0	Peak	Vertical
	9109.0	35.4	13.7	49.1	74.0	-24.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	38.4	11.8	50.2	68.2	-18.0	Peak	Horizontal
*	7859.5	34.3	13.3	47.6	68.2	-20.6	Peak	Horizontal
	8242.0	34.7	13.0	47.7	74.0	-26.3	Peak	Horizontal
	9151.5	35.4	14.1	49.5	74.0	-24.5	Peak	Horizontal
*	7069.0	42.6	11.8	54.4	68.2	-13.8	Peak	Vertical
*	7910.5	34.7	13.4	48.1	68.2	-20.1	Peak	Vertical
	8361.0	35.2	12.6	47.8	74.0	-26.2	Peak	Vertical
	9092.0	33.0	13.6	46.6	74.0	-27.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	38.4	12.0	50.4	68.2	-17.8	Peak	Horizontal
*	7902.0	35.3	13.4	48.7	68.2	-19.5	Peak	Horizontal
	9092.0	34.1	13.6	47.7	74.0	-26.3	Peak	Horizontal
	10732.5	36.3	17.8	54.1	74.0	-19.9	Peak	Horizontal
*	7094.5	42.3	12.0	54.3	68.2	-13.9	Peak	Vertical
*	7987.0	34.2	13.7	47.9	68.2	-20.3	Peak	Vertical
	8208.0	35.0	13.0	48.0	74.0	-26.0	Peak	Vertical
	9066.5	36.3	13.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7060.5	35.3	11.8	47.1	68.2	-21.1	Peak	Horizontal
*	7902.0	35.2	13.4	48.6	68.2	-19.6	Peak	Horizontal
	8310.0	35.9	12.6	48.5	74.0	-25.5	Peak	Horizontal
	10877.0	35.5	18.1	53.6	74.0	-20.4	Peak	Horizontal
*	7179.5	35.1	12.5	47.6	68.2	-20.6	Peak	Vertical
*	7919.0	36.0	13.4	49.4	68.2	-18.8	Peak	Vertical
	8310.0	34.0	12.6	46.6	74.0	-27.4	Peak	Vertical
	9015.5	33.2	13.4	46.6	74.0	-27.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7043.5	36.3	11.7	48.0	68.2	-20.2	Peak	Horizontal
*	7987.0	35.8	13.7	49.5	68.2	-18.7	Peak	Horizontal
	8293.0	35.1	12.7	47.8	74.0	-26.2	Peak	Horizontal
	9134.5	33.8	13.9	47.7	74.0	-26.3	Peak	Horizontal
*	7077.5	35.8	11.9	47.7	68.2	-20.5	Peak	Vertical
*	7987.0	36.0	13.7	49.7	68.2	-18.5	Peak	Vertical
	8344.0	35.3	12.6	47.9	74.0	-26.1	Peak	Vertical
	9151.5	34.8	14.1	48.9	74.0	-25.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7103.0	36.3	12.1	48.4	68.2	-19.8	Peak	Horizontal
*	7919.0	34.5	13.4	47.9	68.2	-20.3	Peak	Horizontal
	8310.0	35.3	12.6	47.9	74.0	-26.1	Peak	Horizontal
	9049.5	33.6	13.4	47.0	74.0	-27.0	Peak	Horizontal
*	7111.5	34.5	12.2	46.7	68.2	-21.5	Peak	Vertical
*	8004.0	34.7	13.7	48.4	68.2	-19.8	Peak	Vertical
	8369.5	34.2	12.6	46.8	74.0	-27.2	Peak	Vertical
	9134.5	33.7	13.9	47.6	74.0	-26.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	36.0	12.5	48.5	68.2	-19.7	Peak	Horizontal
*	7970.0	34.7	13.6	48.3	68.2	-19.9	Peak	Horizontal
	8284.5	35.7	12.7	48.4	74.0	-25.6	Peak	Horizontal
	9100.5	35.1	13.7	48.8	74.0	-25.2	Peak	Horizontal
*	7120.0	35.8	12.2	48.0	68.2	-20.2	Peak	Vertical
*	7970.0	36.5	13.6	50.1	68.2	-18.1	Peak	Vertical
	8386.5	35.4	12.6	48.0	74.0	-26.0	Peak	Vertical
	10894.0	34.6	18.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7230.5	35.0	12.7	47.7	68.2	-20.5	Peak	Horizontal
*	7970.0	36.2	13.6	49.8	68.2	-18.4	Peak	Horizontal
	8267.5	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
	9381.0	35.0	14.7	49.7	74.0	-24.3	Peak	Horizontal
*	7128.5	35.4	12.3	47.7	68.2	-20.5	Peak	Vertical
*	7800.0	36.1	13.1	49.2	68.2	-19.0	Peak	Vertical
	8165.5	35.1	13.3	48.4	74.0	-25.6	Peak	Vertical
	9049.5	34.0	13.4	47.4	74.0	-26.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	35.6	12.2	47.8	68.2	-20.4	Peak	Horizontal
*	7995.5	35.8	13.7	49.5	68.2	-18.7	Peak	Horizontal
	8165.5	33.7	13.3	47.0	74.0	-27.0	Peak	Horizontal
	9049.5	34.1	13.4	47.5	74.0	-26.5	Peak	Horizontal
*	7128.5	34.9	12.3	47.2	68.2	-21.0	Peak	Vertical
*	7808.5	34.3	13.2	47.5	68.2	-20.7	Peak	Vertical
	8165.5	35.8	13.3	49.1	74.0	-24.9	Peak	Vertical
	9134.5	34.0	13.9	47.9	74.0	-26.1	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 2	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6941.5	36.9	11.1	48.0	68.2	-20.2	Peak	Horizontal
*	7868.0	35.5	13.3	48.8	68.2	-19.4	Peak	Horizontal
	8199.5	34.1	13.1	47.2	74.0	-26.8	Peak	Horizontal
	9134.5	35.1	13.9	49.0	74.0	-25.0	Peak	Horizontal
*	7162.5	35.4	12.5	47.9	68.2	-20.3	Peak	Vertical
*	7961.5	35.8	13.5	49.3	68.2	-18.9	Peak	Vertical
	8165.5	36.7	13.3	50.0	74.0	-24.0	Peak	Vertical
	9168.5	34.9	14.1	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6916.0	38.4	10.9	49.3	68.2	-18.9	Peak	Horizontal
*	7808.5	34.3	13.2	47.5	68.2	-20.7	Peak	Horizontal
	8029.5	36.9	13.7	50.6	74.0	-23.4	Peak	Horizontal
	9049.5	33.6	13.4	47.0	74.0	-27.0	Peak	Horizontal
*	6916.0	39.7	10.9	50.6	68.2	-17.6	Peak	Vertical
*	7868.0	36.3	13.3	49.6	68.2	-18.6	Peak	Vertical
	8344.0	36.4	12.6	49.0	74.0	-25.0	Peak	Vertical
	9134.5	34.2	13.9	48.1	74.0	-25.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6975.5	39.2	11.2	50.4	68.2	-17.8	Peak	Horizontal
*	7953.0	35.4	13.5	48.9	68.2	-19.3	Peak	Horizontal
	8318.5	34.2	12.6	46.8	74.0	-27.2	Peak	Horizontal
	9092.0	33.6	13.6	47.2	74.0	-26.8	Peak	Horizontal
*	6975.5	38.7	11.2	49.9	68.2	-18.3	Peak	Vertical
*	7851.0	33.0	13.3	46.3	68.2	-21.9	Peak	Vertical
	8242.0	35.1	13.0	48.1	74.0	-25.9	Peak	Vertical
	9151.5	34.5	14.1	48.6	74.0	-25.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7026.5	37.2	11.5	48.7	68.2	-19.5	Peak	Horizontal
*	7859.5	35.4	13.3	48.7	68.2	-19.5	Peak	Horizontal
	8242.0	36.3	13.0	49.3	74.0	-24.7	Peak	Horizontal
	9185.5	35.1	14.2	49.3	74.0	-24.7	Peak	Horizontal
*	7026.5	38.4	11.5	49.9	68.2	-18.3	Peak	Vertical
*	7961.5	34.9	13.5	48.4	68.2	-19.8	Peak	Vertical
	8276.0	34.0	12.8	46.8	74.0	-27.2	Peak	Vertical
	9092.0	34.1	13.6	47.7	74.0	-26.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	35.5	12.0	47.5	68.2	-20.7	Peak	Horizontal
*	7953.0	34.8	13.5	48.3	68.2	-19.9	Peak	Horizontal
	8267.5	36.5	12.8	49.3	74.0	-24.7	Peak	Horizontal
	9092.0	34.4	13.6	48.0	74.0	-26.0	Peak	Horizontal
*	7077.5	38.5	11.9	50.4	68.2	-17.8	Peak	Vertical
*	8004.0	34.2	13.7	47.9	68.2	-20.3	Peak	Vertical
	8437.5	35.3	12.7	48.0	74.0	-26.0	Peak	Vertical
	9151.5	34.9	14.1	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6933.0	35.6	11.1	46.7	68.2	-21.5	Peak	Horizontal
*	7851.0	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
	8259.0	35.2	12.9	48.1	74.0	-25.9	Peak	Horizontal
	9092.0	33.6	13.6	47.2	74.0	-26.8	Peak	Horizontal
*	7137.0	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	7961.5	35.3	13.5	48.8	68.2	-19.4	Peak	Vertical
	8310.0	35.1	12.6	47.7	74.0	-26.3	Peak	Vertical
	9160.0	34.2	14.1	48.3	74.0	-25.7	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7774.5	36.3	13.1	49.4	68.2	-18.8	Peak	Horizontal
	8242.0	34.4	13.0	47.4	74.0	-26.6	Peak	Horizontal
	9083.5	34.8	13.5	48.3	74.0	-25.7	Peak	Horizontal
*	7145.5	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	7834.0	36.6	13.2	49.8	68.2	-18.4	Peak	Vertical
	8174.0	35.7	13.2	48.9	74.0	-25.1	Peak	Vertical
	9126.0	34.9	13.9	48.8	74.0	-25.2	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7086.0	35.2	11.9	47.1	68.2	-21.1	Peak	Horizontal
*	7876.5	35.3	13.3	48.6	68.2	-19.6	Peak	Horizontal
	8335.5	34.7	12.6	47.3	74.0	-26.7	Peak	Horizontal
	9109.0	34.1	13.7	47.8	74.0	-26.2	Peak	Horizontal
*	7128.5	36.0	12.3	48.3	68.2	-19.9	Peak	Vertical
*	7842.5	33.7	13.3	47.0	68.2	-21.2	Peak	Vertical
	8055.0	35.8	13.7	49.5	74.0	-24.5	Peak	Vertical
	9168.5	35.1	14.1	49.2	74.0	-24.8	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	35.9	12.5	48.4	68.2	-19.8	Peak	Horizontal
*	7817.0	35.4	13.2	48.6	68.2	-19.6	Peak	Horizontal
	8174.0	35.1	13.2	48.3	74.0	-25.7	Peak	Horizontal
	9083.5	36.4	13.5	49.9	74.0	-24.1	Peak	Horizontal
*	7230.5	35.2	12.7	47.9	68.2	-20.3	Peak	Vertical
*	7953.0	34.8	13.5	48.3	68.2	-19.9	Peak	Vertical
	8242.0	34.5	13.0	47.5	74.0	-26.5	Peak	Vertical
	9024.0	35.9	13.4	49.3	74.0	-24.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	151
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
*	7230.5	35.1	12.7	47.8	68.2	-20.4	Peak	Horizontal
*	7808.5	34.4	13.2	47.6	68.2	-20.6	Peak	Horizontal
	8276.0	33.9	12.8	46.7	74.0	-27.3	Peak	Horizontal
	9109.0	34.3	13.7	48.0	74.0	-26.0	Peak	Horizontal
*	7069.0	35.4	11.8	47.2	68.2	-21.0	Peak	Vertical
*	7961.5	34.9	13.5	48.4	68.2	-19.8	Peak	Vertical
	8225.0	35.9	13.1	49.0	74.0	-25.0	Peak	Vertical
	9134.5	33.3	13.9	47.2	74.0	-26.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 2	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7111.5	34.6	12.2	46.8	68.2	-21.4	Peak	Horizontal
*	7978.5	35.5	13.6	49.1	68.2	-19.1	Peak	Horizontal
	8310.0	33.6	12.6	46.2	74.0	-27.8	Peak	Horizontal
	9015.5	33.4	13.4	46.8	74.0	-27.2	Peak	Horizontal
*	7154.0	35.3	12.4	47.7	68.2	-20.5	Peak	Vertical
*	7978.5	36.0	13.6	49.6	68.2	-18.6	Peak	Vertical
	8242.0	34.8	13.0	47.8	74.0	-26.2	Peak	Vertical
	9194.0	35.4	14.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6950.0	40.2	11.1	51.3	68.2	-16.9	Peak	Horizontal
*	7953.0	38.0	13.5	51.5	68.2	-16.7	Peak	Horizontal
	8395.0	36.2	12.5	48.7	74.0	-25.3	Peak	Horizontal
	9134.5	34.8	13.9	48.7	74.0	-25.3	Peak	Horizontal
*	6950.0	40.6	11.1	51.7	68.2	-16.5	Peak	Vertical
*	7910.5	33.7	13.4	47.1	68.2	-21.1	Peak	Vertical
	8216.5	36.3	13.0	49.3	74.0	-24.7	Peak	Vertical
	9143.0	35.0	14.0	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7001.0	37.3	11.2	48.5	68.2	-19.7	Peak	Horizontal
*	8004.0	36.9	13.7	50.6	68.2	-17.6	Peak	Horizontal
	8352.5	36.8	12.6	49.4	74.0	-24.6	Peak	Horizontal
	9491.5	35.2	15.0	50.2	74.0	-23.8	Peak	Horizontal
*	7052.0	39.8	11.8	51.6	68.2	-16.6	Peak	Vertical
*	7953.0	35.3	13.5	48.8	68.2	-19.4	Peak	Vertical
	8148.5	36.9	13.3	50.2	74.0	-23.8	Peak	Vertical
	9117.5	35.9	13.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7077.5	35.9	11.9	47.8	68.2	-20.4	Peak	Horizontal
*	7978.5	35.7	13.6	49.3	68.2	-18.9	Peak	Horizontal
	8395.0	33.9	12.5	46.4	74.0	-27.6	Peak	Horizontal
	9049.5	34.7	13.4	48.1	74.0	-25.9	Peak	Horizontal
*	7086.0	35.9	11.9	47.8	68.2	-20.4	Peak	Vertical
*	7910.5	35.3	13.4	48.7	68.2	-19.5	Peak	Vertical
	8165.5	35.0	13.3	48.3	74.0	-25.7	Peak	Vertical
	9381.0	33.5	14.7	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	36.5	11.8	48.3	68.2	-19.9	Peak	Horizontal
*	7944.5	35.4	13.5	48.9	68.2	-19.3	Peak	Horizontal
	8395.0	35.8	12.5	48.3	74.0	-25.7	Peak	Horizontal
	9092.0	34.2	13.6	47.8	74.0	-26.2	Peak	Horizontal
*	7154.0	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	7834.0	34.4	13.2	47.6	68.2	-20.6	Peak	Vertical
	8378.0	35.9	12.6	48.5	74.0	-25.5	Peak	Vertical
	9355.5	35.1	14.7	49.8	74.0	-24.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7111.5	35.2	12.2	47.4	68.2	-20.8	Peak	Horizontal
*	7910.5	34.0	13.4	47.4	68.2	-20.8	Peak	Horizontal
	8199.5	34.3	13.1	47.4	74.0	-26.6	Peak	Horizontal
	9134.5	34.8	13.9	48.7	74.0	-25.3	Peak	Horizontal
*	7145.5	35.9	12.4	48.3	68.2	-19.9	Peak	Vertical
*	7953.0	35.1	13.5	48.6	68.2	-19.6	Peak	Vertical
	8208.0	35.5	13.0	48.5	74.0	-25.5	Peak	Vertical
	9143.0	34.2	14.0	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 2	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7111.5	37.7	12.2	49.9	68.2	-18.3	Peak	Horizontal
*	8012.5	36.1	13.7	49.8	68.2	-18.4	Peak	Horizontal
	8225.0	37.5	13.1	50.6	74.0	-23.4	Peak	Horizontal
	9160.0	34.9	14.1	49.0	74.0	-25.0	Peak	Horizontal
*	7052.0	36.6	11.8	48.4	68.2	-19.8	Peak	Vertical
*	7842.5	35.2	13.3	48.5	68.2	-19.7	Peak	Vertical
	8242.0	34.1	13.0	47.1	74.0	-26.9	Peak	Vertical
	9143.0	35.2	14.0	49.2	74.0	-24.8	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	42.2	10.8	53.0	68.2	-15.2	Peak	Horizontal
*	7987.0	34.3	13.7	48.0	68.2	-20.2	Peak	Horizontal
	8182.5	35.4	13.2	48.6	74.0	-25.4	Peak	Horizontal
	11582.5	33.4	17.7	51.1	74.0	-22.9	Peak	Horizontal
*	6907.5	46.3	10.8	57.1	68.2	-11.1	Peak	Vertical
*	7885.0	34.1	13.4	47.5	68.2	-20.7	Peak	Vertical
	8029.5	35.3	13.7	49.0	74.0	-25.0	Peak	Vertical
	8454.5	35.3	12.7	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	37.2	11.1	48.3	68.2	-19.9	Peak	Horizontal
*	7978.5	37.0	13.6	50.6	68.2	-17.6	Peak	Horizontal
	8208.0	35.3	13.0	48.3	74.0	-25.7	Peak	Horizontal
	10945.0	34.2	18.3	52.5	74.0	-21.5	Peak	Horizontal
*	6958.5	44.2	11.1	55.3	68.2	-12.9	Peak	Vertical
*	7808.5	34.7	13.2	47.9	68.2	-20.3	Peak	Vertical
	8225.0	34.3	13.1	47.4	74.0	-26.6	Peak	Vertical
	10885.5	33.2	18.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.0	12.4	47.4	68.2	-20.8	Peak	Horizontal
*	7995.5	35.9	13.7	49.6	68.2	-18.6	Peak	Horizontal
	8352.5	34.9	12.6	47.5	74.0	-26.5	Peak	Horizontal
	10979.0	34.4	18.2	52.6	74.0	-21.4	Peak	Horizontal
*	6984.0	41.7	11.2	52.9	68.2	-15.3	Peak	Vertical
*	7851.0	33.3	13.3	46.6	68.2	-21.6	Peak	Vertical
	8361.0	34.8	12.6	47.4	74.0	-26.6	Peak	Vertical
	11463.5	32.2	17.8	50.0	74.0	-24.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7009.5	37.3	11.3	48.6	68.2	-19.6	Peak	Horizontal
*	7842.5	34.1	13.3	47.4	68.2	-20.8	Peak	Horizontal
	8208.0	34.0	13.0	47.0	74.0	-27.0	Peak	Horizontal
	9117.5	33.3	13.8	47.1	74.0	-26.9	Peak	Horizontal
*	7009.5	44.2	11.3	55.5	68.2	-12.7	Peak	Vertical
*	7970.0	33.5	13.6	47.1	68.2	-21.1	Peak	Vertical
	8174.0	34.3	13.2	47.5	74.0	-26.5	Peak	Vertical
	9449.0	33.7	14.9	48.6	74.0	-25.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	35.8	11.8	47.6	68.2	-20.6	Peak	Horizontal
*	7842.5	34.9	13.3	48.2	68.2	-20.0	Peak	Horizontal
	8284.5	35.9	12.7	48.6	74.0	-25.4	Peak	Horizontal
	9423.5	34.0	14.9	48.9	74.0	-25.1	Peak	Horizontal
*	7069.0	43.0	11.8	54.8	68.2	-13.4	Peak	Vertical
*	10596.5	37.1	17.6	54.7	68.2	-13.5	Peak	Vertical
	11395.5	33.8	17.7	51.5	74.0	-22.5	Peak	Vertical
	12194.5	34.8	17.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7086.0	35.1	11.9	47.0	68.2	-21.2	Peak	Horizontal
*	7961.5	35.6	13.5	49.1	68.2	-19.1	Peak	Horizontal
	8480.0	36.0	12.8	48.8	74.0	-25.2	Peak	Horizontal
	9092.0	34.3	13.6	47.9	74.0	-26.1	Peak	Horizontal
*	7094.5	40.3	12.0	52.3	68.2	-15.9	Peak	Vertical
*	7953.0	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
	8352.5	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical
	9109.0	34.7	13.7	48.4	74.0	-25.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	36.1	12.5	48.6	68.2	-19.6	Peak	Horizontal
*	7919.0	35.2	13.4	48.6	68.2	-19.6	Peak	Horizontal
	8463.0	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
	9075.0	34.5	13.5	48.0	74.0	-26.0	Peak	Horizontal
*	7188.0	35.3	12.5	47.8	68.2	-20.4	Peak	Vertical
*	7995.5	34.9	13.7	48.6	68.2	-19.6	Peak	Vertical
	8310.0	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical
	9058.0	34.1	13.4	47.5	74.0	-26.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7077.5	33.5	11.9	45.4	68.2	-22.8	Peak	Horizontal
*	7859.5	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
	8276.0	35.0	12.8	47.8	74.0	-26.2	Peak	Horizontal
	9440.5	33.4	14.9	48.3	74.0	-25.7	Peak	Horizontal
*	7137.0	35.1	12.4	47.5	68.2	-20.7	Peak	Vertical
*	7927.5	34.6	13.5	48.1	68.2	-20.1	Peak	Vertical
	8310.0	34.3	12.6	46.9	74.0	-27.1	Peak	Vertical
	9134.5	34.3	13.9	48.2	74.0	-25.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	34.7	12.2	46.9	68.2	-21.3	Peak	Horizontal
*	8004.0	35.8	13.7	49.5	68.2	-18.7	Peak	Horizontal
	8335.5	35.0	12.6	47.6	74.0	-26.4	Peak	Horizontal
	9092.0	34.1	13.6	47.7	74.0	-26.3	Peak	Horizontal
*	7222.0	35.2	12.7	47.9	68.2	-20.3	Peak	Vertical
*	7987.0	35.0	13.7	48.7	68.2	-19.5	Peak	Vertical
	8276.0	34.4	12.8	47.2	74.0	-26.8	Peak	Vertical
	9075.0	33.3	13.5	46.8	74.0	-27.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	144
Remark:	3. Average measurement was not performed if peak level lower than average limit. 4. 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
*	7120.0	34.7	12.2	46.9	68.2	-21.3	Peak	Horizontal
*	8012.5	36.0	13.7	49.7	68.2	-18.5	Peak	Horizontal
	8437.5	34.5	12.7	47.2	74.0	-26.8	Peak	Horizontal
	9364.0	35.0	14.7	49.7	74.0	-24.3	Peak	Horizontal
*	6967.0	35.9	11.1	47.0	68.2	-21.2	Peak	Vertical
*	7808.5	33.4	13.2	46.6	68.2	-21.6	Peak	Vertical
	8208.0	33.3	13.0	46.3	74.0	-27.7	Peak	Vertical
	9151.5	33.2	14.1	47.3	74.0	-26.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7162.5	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
*	7953.0	35.5	13.5	49.0	68.2	-19.2	Peak	Horizontal
	8199.5	34.4	13.1	47.5	74.0	-26.5	Peak	Horizontal
	9092.0	34.4	13.6	48.0	74.0	-26.0	Peak	Horizontal
*	7086.0	35.1	11.9	47.0	68.2	-21.2	Peak	Vertical
*	7970.0	34.7	13.6	48.3	68.2	-19.9	Peak	Vertical
	8310.0	34.8	12.6	47.4	74.0	-26.6	Peak	Vertical
	9134.5	34.4	13.9	48.3	74.0	-25.7	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	7987.0	35.2	13.7	48.9	68.2	-19.3	Peak	Horizontal
	8395.0	34.8	12.5	47.3	74.0	-26.7	Peak	Horizontal
	9049.5	33.5	13.4	46.9	74.0	-27.1	Peak	Horizontal
*	7171.0	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
*	7927.5	33.3	13.5	46.8	68.2	-21.4	Peak	Vertical
	8310.0	36.4	12.6	49.0	74.0	-25.0	Peak	Vertical
	9092.0	34.4	13.6	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7035.0	35.2	11.6	46.8	68.2	-21.4	Peak	Horizontal
*	7910.5	34.5	13.4	47.9	68.2	-20.3	Peak	Horizontal
	8352.5	34.5	12.6	47.1	74.0	-26.9	Peak	Horizontal
	9109.0	35.1	13.7	48.8	74.0	-25.2	Peak	Horizontal
*	7171.0	34.0	12.5	46.5	68.2	-21.7	Peak	Vertical
*	7851.0	34.2	13.3	47.5	68.2	-20.7	Peak	Vertical
	8327.0	34.5	12.6	47.1	74.0	-26.9	Peak	Vertical
	9134.5	35.1	13.9	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	35.6	12.2	47.8	68.2	-20.4	Peak	Horizontal
*	7885.0	35.5	13.4	48.9	68.2	-19.3	Peak	Horizontal
	8327.0	34.8	12.6	47.4	74.0	-26.6	Peak	Horizontal
	9151.5	35.6	14.1	49.7	74.0	-24.3	Peak	Horizontal
*	6916.0	38.7	10.9	49.6	68.2	-18.6	Peak	Vertical
*	7842.5	34.3	13.3	47.6	68.2	-20.6	Peak	Vertical
	8208.0	33.9	13.0	46.9	74.0	-27.1	Peak	Vertical
	9049.5	33.9	13.4	47.3	74.0	-26.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7171.0	35.3	12.5	47.8	68.2	-20.4	Peak	Horizontal
*	7876.5	34.3	13.3	47.6	68.2	-20.6	Peak	Horizontal
	8216.5	35.7	13.0	48.7	74.0	-25.3	Peak	Horizontal
	9075.0	35.5	13.5	49.0	74.0	-25.0	Peak	Horizontal
*	6975.5	42.1	11.2	53.3	68.2	-14.9	Peak	Vertical
*	7842.5	34.8	13.3	48.1	68.2	-20.1	Peak	Vertical
	8199.5	35.5	13.1	48.6	74.0	-25.4	Peak	Vertical
	9117.5	35.0	13.8	48.8	74.0	-25.2	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	36.1	12.5	48.6	68.2	-19.6	Peak	Horizontal
*	7817.0	35.6	13.2	48.8	68.2	-19.4	Peak	Horizontal
	8063.5	36.0	13.7	49.7	74.0	-24.3	Peak	Horizontal
	9092.0	34.5	13.6	48.1	74.0	-25.9	Peak	Horizontal
*	7026.5	39.7	11.5	51.2	68.2	-17.0	Peak	Vertical
*	7868.0	35.0	13.3	48.3	68.2	-19.9	Peak	Vertical
	8242.0	34.7	13.0	47.7	74.0	-26.3	Peak	Vertical
	9092.0	34.0	13.6	47.6	74.0	-26.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7103.0	35.4	12.1	47.5	68.2	-20.7	Peak	Horizontal
*	7876.5	34.8	13.3	48.1	68.2	-20.1	Peak	Horizontal
	8199.5	35.6	13.1	48.7	74.0	-25.3	Peak	Horizontal
	9058.0	34.4	13.4	47.8	74.0	-26.2	Peak	Horizontal
*	7077.5	37.6	11.9	49.5	68.2	-18.7	Peak	Vertical
*	7970.0	36.1	13.6	49.7	68.2	-18.5	Peak	Vertical
	8225.0	35.2	13.1	48.3	74.0	-25.7	Peak	Vertical
	9143.0	34.0	14.0	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6950.0	34.9	11.1	46.0	68.2	-22.2	Peak	Horizontal
*	7885.0	33.7	13.4	47.1	68.2	-21.1	Peak	Horizontal
	8174.0	33.4	13.2	46.6	74.0	-27.4	Peak	Horizontal
	9049.5	33.3	13.4	46.7	74.0	-27.3	Peak	Horizontal
*	7069.0	35.0	11.8	46.8	68.2	-21.4	Peak	Vertical
*	8004.0	35.5	13.7	49.2	68.2	-19.0	Peak	Vertical
	8463.0	33.4	12.7	46.1	74.0	-27.9	Peak	Vertical
	9049.5	34.0	13.4	47.4	74.0	-26.6	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7953.0	34.3	13.5	47.8	68.2	-20.4	Peak	Horizontal
	8199.5	35.0	13.1	48.1	74.0	-25.9	Peak	Horizontal
	9160.0	35.0	14.1	49.1	74.0	-24.9	Peak	Horizontal
*	7120.0	35.4	12.2	47.6	68.2	-20.6	Peak	Vertical
*	7876.5	34.9	13.3	48.2	68.2	-20.0	Peak	Vertical
	8361.0	34.8	12.6	47.4	74.0	-26.6	Peak	Vertical
	9134.5	33.7	13.9	47.6	74.0	-26.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7128.5	35.3	12.3	47.6	68.2	-20.6	Peak	Horizontal
*	7842.5	33.7	13.3	47.0	68.2	-21.2	Peak	Horizontal
	8199.5	34.5	13.1	47.6	74.0	-26.4	Peak	Horizontal
	9049.5	33.9	13.4	47.3	74.0	-26.7	Peak	Horizontal
*	7120.0	35.8	12.2	48.0	68.2	-20.2	Peak	Vertical
*	7842.5	33.5	13.3	46.8	68.2	-21.4	Peak	Vertical
	8276.0	34.8	12.8	47.6	74.0	-26.4	Peak	Vertical
	9092.0	34.0	13.6	47.6	74.0	-26.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7154.0	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	7910.5	34.0	13.4	47.4	68.2	-20.8	Peak	Horizontal
	8301.5	34.7	12.6	47.3	74.0	-26.7	Peak	Horizontal
	9100.5	33.9	13.7	47.6	74.0	-26.4	Peak	Horizontal
*	7120.0	35.4	12.2	47.6	68.2	-20.6	Peak	Vertical
*	7851.0	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
	8131.5	35.1	13.4	48.5	74.0	-25.5	Peak	Vertical
	9049.5	34.6	13.4	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	151
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
*	7171.0	34.5	12.5	47.0	68.2	-21.2	Peak	Horizontal
*	7876.5	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
	8199.5	35.2	13.1	48.3	74.0	-25.7	Peak	Horizontal
	9134.5	34.2	13.9	48.1	74.0	-25.9	Peak	Horizontal
*	7094.5	36.7	12.0	48.7	68.2	-19.5	Peak	Vertical
*	7885.0	34.0	13.4	47.4	68.2	-20.8	Peak	Vertical
	8327.0	34.7	12.6	47.3	74.0	-26.7	Peak	Vertical
	9049.5	32.7	13.4	46.1	74.0	-27.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7077.5	33.8	11.9	45.7	68.2	-22.5	Peak	Horizontal
*	7893.5	35.6	13.4	49.0	68.2	-19.2	Peak	Horizontal
	8310.0	34.1	12.6	46.7	74.0	-27.3	Peak	Horizontal
	9092.0	33.5	13.6	47.1	74.0	-26.9	Peak	Horizontal
*	7128.5	35.4	12.3	47.7	68.2	-20.5	Peak	Vertical
*	7851.0	33.4	13.3	46.7	68.2	-21.5	Peak	Vertical
	8335.5	35.1	12.6	47.7	74.0	-26.3	Peak	Vertical
	9143.0	33.8	14.0	47.8	74.0	-26.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7205.0	34.8	12.6	47.4	68.2	-20.8	Peak	Horizontal
*	7919.0	33.1	13.4	46.5	68.2	-21.7	Peak	Horizontal
	8335.5	34.3	12.6	46.9	74.0	-27.1	Peak	Horizontal
	9134.5	33.2	13.9	47.1	74.0	-26.9	Peak	Horizontal
*	6950.0	38.8	11.1	49.9	68.2	-18.3	Peak	Vertical
*	7953.0	33.7	13.5	47.2	68.2	-21.0	Peak	Vertical
	8369.5	34.3	12.6	46.9	74.0	-27.1	Peak	Vertical
	9160.0	33.5	14.1	47.6	74.0	-26.4	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	35.3	12.5	47.8	68.2	-20.4	Peak	Horizontal
*	7817.0	34.1	13.2	47.3	68.2	-20.9	Peak	Horizontal
	8310.0	34.3	12.6	46.9	74.0	-27.1	Peak	Horizontal
	9126.0	33.6	13.9	47.5	74.0	-26.5	Peak	Horizontal
*	7188.0	35.5	12.5	48.0	68.2	-20.2	Peak	Vertical
*	7910.5	33.5	13.4	46.9	68.2	-21.3	Peak	Vertical
	8352.5	34.9	12.6	47.5	74.0	-26.5	Peak	Vertical
	9075.0	35.5	13.5	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.3	12.4	47.7	68.2	-20.5	Peak	Horizontal
*	7927.5	34.1	13.5	47.6	68.2	-20.6	Peak	Horizontal
	8369.5	34.8	12.6	47.4	74.0	-26.6	Peak	Horizontal
	9143.0	34.6	14.0	48.6	74.0	-25.4	Peak	Horizontal
*	7077.5	35.2	11.9	47.1	68.2	-21.1	Peak	Vertical
*	7893.5	35.4	13.4	48.8	68.2	-19.4	Peak	Vertical
	8310.0	34.0	12.6	46.6	74.0	-27.4	Peak	Vertical
	9075.0	33.0	13.5	46.5	74.0	-27.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.5	12.4	47.9	68.2	-20.3	Peak	Horizontal
*	7953.0	33.8	13.5	47.3	68.2	-20.9	Peak	Horizontal
	8344.0	34.6	12.6	47.2	74.0	-26.8	Peak	Horizontal
	9092.0	33.0	13.6	46.6	74.0	-27.4	Peak	Horizontal
*	6967.0	33.2	11.1	44.3	68.2	-23.9	Peak	Vertical
*	7876.5	34.4	13.3	47.7	68.2	-20.5	Peak	Vertical
	8242.0	34.6	13.0	47.6	74.0	-26.4	Peak	Vertical
	9134.5	33.8	13.9	47.7	74.0	-26.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7077.5	33.2	11.9	45.1	68.2	-23.1	Peak	Horizontal
*	7910.5	33.8	13.4	47.2	68.2	-21.0	Peak	Horizontal
	8259.0	34.1	12.9	47.0	74.0	-27.0	Peak	Horizontal
	9168.5	34.4	14.1	48.5	74.0	-25.5	Peak	Horizontal
*	7137.0	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	7876.5	33.9	13.3	47.2	68.2	-21.0	Peak	Vertical
	8310.0	33.7	12.6	46.3	74.0	-27.7	Peak	Vertical
	9134.5	33.0	13.9	46.9	74.0	-27.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7162.5	35.1	12.5	47.6	68.2	-20.6	Peak	Horizontal
*	7902.0	33.3	13.4	46.7	68.2	-21.5	Peak	Horizontal
	8216.5	35.5	13.0	48.5	74.0	-25.5	Peak	Horizontal
	9049.5	33.9	13.4	47.3	74.0	-26.7	Peak	Horizontal
*	7213.5	35.8	12.6	48.4	68.2	-19.8	Peak	Vertical
*	7953.0	34.3	13.5	47.8	68.2	-20.4	Peak	Vertical
	8216.5	35.1	13.0	48.1	74.0	-25.9	Peak	Vertical
	9092.0	34.1	13.6	47.7	74.0	-26.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	43.7	10.8	54.5	68.2	-13.7	Peak	Horizontal
*	7919.0	34.6	13.4	48.0	68.2	-20.2	Peak	Horizontal
	8242.0	35.2	13.0	48.2	74.0	-25.8	Peak	Horizontal
	9160.0	35.4	14.1	49.5	74.0	-24.5	Peak	Horizontal
*	6907.5	48.1	10.8	58.9	68.2	-9.3	Peak	Vertical
*	7970.0	36.6	13.6	50.2	68.2	-18.0	Peak	Vertical
	8318.5	37.6	12.6	50.2	74.0	-23.8	Peak	Vertical
	9092.0	34.5	13.6	48.1	74.0	-25.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	43.2	11.1	54.3	68.2	-13.9	Peak	Horizontal
*	7910.5	35.2	13.4	48.6	68.2	-19.6	Peak	Horizontal
	8250.5	36.9	12.9	49.8	74.0	-24.2	Peak	Horizontal
	9100.5	35.6	13.7	49.3	74.0	-24.7	Peak	Horizontal
*	6958.5	47.6	11.1	58.7	68.2	-9.5	Peak	Vertical
*	7910.5	35.2	13.4	48.6	68.2	-19.6	Peak	Vertical
	8335.5	36.7	12.6	49.3	74.0	-24.7	Peak	Vertical
	9083.5	33.7	13.5	47.2	74.0	-26.8	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6984.0	42.0	11.2	53.2	68.2	-15.0	Peak	Horizontal
*	7876.5	35.5	13.3	48.8	68.2	-19.4	Peak	Horizontal
	8242.0	36.1	13.0	49.1	74.0	-24.9	Peak	Horizontal
	9092.0	33.9	13.6	47.5	74.0	-26.5	Peak	Horizontal
*	6984.0	47.4	11.2	58.6	68.2	-9.6	Peak	Vertical
*	7902.0	36.3	13.4	49.7	68.2	-18.5	Peak	Vertical
	8293.0	35.6	12.7	48.3	74.0	-25.7	Peak	Vertical
	9049.5	34.1	13.4	47.5	74.0	-26.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	52
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7009.5	43.5	11.3	54.8	68.2	-13.4	Peak	Horizontal
*	7842.5	34.8	13.3	48.1	68.2	-20.1	Peak	Horizontal
	8310.0	34.4	12.6	47.0	74.0	-27.0	Peak	Horizontal
	9083.5	35.8	13.5	49.3	74.0	-24.7	Peak	Horizontal
*	7009.5	49.5	11.3	60.8	68.2	-7.4	Peak	Vertical
*	10520.0	36.4	17.6	54.0	68.2	-14.2	Peak	Vertical
	11395.5	35.4	17.7	53.1	74.0	-20.9	Peak	Vertical
	11939.5	35.7	17.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	60
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7069.0	41.7	11.8	53.5	68.2	-14.7	Peak	Horizontal
*	10596.5	35.7	17.6	53.3	68.2	-14.9	Peak	Horizontal
	11633.5	35.3	17.6	52.9	74.0	-21.1	Peak	Horizontal
	12058.5	34.8	17.5	52.3	74.0	-21.7	Peak	Horizontal
*	7069.0	49.1	11.8	60.9	68.2	-7.3	Peak	Vertical
*	10596.5	38.4	17.6	56.0	68.2	-12.2	Peak	Vertical
	11480.5	35.7	17.8	53.5	74.0	-20.5	Peak	Vertical
	11863.0	34.9	17.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	64
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	38.2	12.0	50.2	68.2	-18.0	Peak	Horizontal
*	7910.5	35.6	13.4	49.0	68.2	-19.2	Peak	Horizontal
	8361.0	35.7	12.6	48.3	74.0	-25.7	Peak	Horizontal
	9092.0	33.5	13.6	47.1	74.0	-26.9	Peak	Horizontal
*	7094.5	45.8	12.0	57.8	68.2	-10.4	Peak	Vertical
*	8012.5	36.1	13.7	49.8	68.2	-18.4	Peak	Vertical
	8403.5	35.8	12.5	48.3	74.0	-25.7	Peak	Vertical
	9126.0	34.1	13.9	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	100
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	36.1	12.5	48.6	68.2	-19.6	Peak	Horizontal
*	7876.5	34.9	13.3	48.2	68.2	-20.0	Peak	Horizontal
	8267.5	35.3	12.8	48.1	74.0	-25.9	Peak	Horizontal
	9168.5	35.5	14.1	49.6	74.0	-24.4	Peak	Horizontal
*	7103.0	37.1	12.1	49.2	68.2	-19.0	Peak	Vertical
*	7808.5	34.9	13.2	48.1	68.2	-20.1	Peak	Vertical
	8352.5	36.7	12.6	49.3	74.0	-24.7	Peak	Vertical
	9092.0	34.5	13.6	48.1	74.0	-25.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	120
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	35.0	12.2	47.2	68.2	-21.0	Peak	Horizontal
*	7902.0	34.8	13.4	48.2	68.2	-20.0	Peak	Horizontal
	8276.0	35.5	12.8	48.3	74.0	-25.7	Peak	Horizontal
	11200.0	36.0	17.6	53.6	74.0	-20.4	Peak	Horizontal
*	7077.5	34.0	11.9	45.9	68.2	-22.3	Peak	Vertical
*	7910.5	34.8	13.4	48.2	68.2	-20.0	Peak	Vertical
	8310.0	34.2	12.6	46.8	74.0	-27.2	Peak	Vertical
	9092.0	34.7	13.6	48.3	74.0	-25.7	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	140
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.8	12.4	48.2	68.2	-20.0	Peak	Horizontal
*	7834.0	35.8	13.2	49.0	68.2	-19.2	Peak	Horizontal
	8242.0	35.7	13.0	48.7	74.0	-25.3	Peak	Horizontal
	10826.0	35.9	18.0	53.9	74.0	-20.1	Peak	Horizontal
*	7154.0	35.9	12.4	48.3	68.2	-19.9	Peak	Vertical
*	7995.5	35.9	13.7	49.6	68.2	-18.6	Peak	Vertical
	8131.5	36.6	13.4	50.0	74.0	-24.0	Peak	Vertical
	11412.5	35.2	17.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	144
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7162.5	37.0	12.5	49.5	68.2	-18.7	Peak	Horizontal
*	7910.5	35.4	13.4	48.8	68.2	-19.4	Peak	Horizontal
	8318.5	35.8	12.6	48.4	74.0	-25.6	Peak	Horizontal
	9160.0	34.8	14.1	48.9	74.0	-25.1	Peak	Horizontal
*	7188.0	36.2	12.5	48.7	68.2	-19.5	Peak	Vertical
*	7851.0	34.3	13.3	47.6	68.2	-20.6	Peak	Vertical
	8361.0	35.6	12.6	48.2	74.0	-25.8	Peak	Vertical
	9109.0	34.1	13.7	47.8	74.0	-26.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7222.0	34.3	12.7	47.0	68.2	-21.2	Peak	Horizontal
*	8012.5	36.0	13.7	49.7	68.2	-18.5	Peak	Horizontal
	8318.5	37.7	12.6	50.3	74.0	-23.7	Peak	Horizontal
	9168.5	35.0	14.1	49.1	74.0	-24.9	Peak	Horizontal
*	7077.5	35.0	11.9	46.9	68.2	-21.3	Peak	Vertical
*	7944.5	35.4	13.5	48.9	68.2	-19.3	Peak	Vertical
	8352.5	35.3	12.6	47.9	74.0	-26.1	Peak	Vertical
	9134.5	34.2	13.9	48.1	74.0	-25.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7196.5	36.1	12.5	48.6	68.2	-19.6	Peak	Horizontal
*	7842.5	35.9	13.3	49.2	68.2	-19.0	Peak	Horizontal
	8259.0	35.7	12.9	48.6	74.0	-25.4	Peak	Horizontal
	9083.5	34.5	13.5	48.0	74.0	-26.0	Peak	Horizontal
*	7145.5	36.5	12.4	48.9	68.2	-19.3	Peak	Vertical
*	7868.0	34.4	13.3	47.7	68.2	-20.5	Peak	Vertical
	8191.0	36.2	13.1	49.3	74.0	-24.7	Peak	Vertical
	11276.5	35.0	17.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 + 2	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7766.0	39.0	13.1	52.1	68.2	-16.1	Peak	Horizontal
*	8828.5	35.5	13.3	48.8	68.2	-19.4	Peak	Horizontal
	9406.5	34.6	14.8	49.4	74.0	-24.6	Peak	Horizontal
	10826.0	34.7	18.0	52.7	74.0	-21.3	Peak	Horizontal
*	7766.0	39.0	13.1	52.1	68.2	-16.1	Peak	Vertical
*	8667.0	35.7	12.9	48.6	68.2	-19.6	Peak	Vertical
	9109.0	35.7	13.7	49.4	74.0	-24.6	Peak	Vertical
	11174.5	34.8	17.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6916.0	40.2	10.9	51.1	68.2	-17.1	Peak	Horizontal
*	7944.5	35.1	13.5	48.6	68.2	-19.6	Peak	Horizontal
	8165.5	36.3	13.3	49.6	74.0	-24.4	Peak	Horizontal
	9092.0	34.4	13.6	48.0	74.0	-26.0	Peak	Horizontal
*	6916.0	42.9	10.9	53.8	68.2	-14.4	Peak	Vertical
*	7944.5	36.3	13.5	49.8	68.2	-18.4	Peak	Vertical
	8250.5	34.9	12.9	47.8	74.0	-26.2	Peak	Vertical
	9049.5	33.7	13.4	47.1	74.0	-26.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6975.5	39.4	11.2	50.6	68.2	-17.6	Peak	Horizontal
*	7919.0	34.4	13.4	47.8	68.2	-20.4	Peak	Horizontal
	8216.5	36.3	13.0	49.3	74.0	-24.7	Peak	Horizontal
	9083.5	36.0	13.5	49.5	74.0	-24.5	Peak	Horizontal
*	6975.5	44.9	11.2	56.1	68.2	-12.1	Peak	Vertical
*	7944.5	34.1	13.5	47.6	68.2	-20.6	Peak	Vertical
	8352.5	35.6	12.6	48.2	74.0	-25.8	Peak	Vertical
	9151.5	34.7	14.1	48.8	74.0	-25.2	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	54
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7026.5	40.5	11.5	52.0	68.2	-16.2	Peak	Horizontal
*	7902.0	34.9	13.4	48.3	68.2	-19.9	Peak	Horizontal
	8208.0	35.3	13.0	48.3	74.0	-25.7	Peak	Horizontal
	9151.5	35.0	14.1	49.1	74.0	-24.9	Peak	Horizontal
*	7026.5	47.7	11.5	59.2	68.2	-9.0	Peak	Vertical
*	7978.5	36.4	13.6	50.0	68.2	-18.2	Peak	Vertical
	8310.0	34.9	12.6	47.5	74.0	-26.5	Peak	Vertical
	9092.0	35.2	13.6	48.8	74.0	-25.2	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	62
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7239.0	35.8	12.7	48.5	68.2	-19.7	Peak	Horizontal
*	7868.0	36.1	13.3	49.4	68.2	-18.8	Peak	Horizontal
	8335.5	35.9	12.6	48.5	74.0	-25.5	Peak	Horizontal
	9049.5	34.1	13.4	47.5	74.0	-26.5	Peak	Horizontal
*	7077.5	40.2	11.9	52.1	68.2	-16.1	Peak	Vertical
*	7876.5	34.5	13.3	47.8	68.2	-20.4	Peak	Vertical
	8386.5	34.6	12.6	47.2	74.0	-26.8	Peak	Vertical
	9126.0	34.8	13.9	48.7	74.0	-25.3	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	102
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7137.0	35.9	12.4	48.3	68.2	-19.9	Peak	Horizontal
*	7910.5	34.7	13.4	48.1	68.2	-20.1	Peak	Horizontal
	8165.5	35.3	13.3	48.6	74.0	-25.4	Peak	Horizontal
	9134.5	35.2	13.9	49.1	74.0	-24.9	Peak	Horizontal
*	8012.5	36.2	13.7	49.9	68.2	-18.3	Peak	Vertical
*	8811.5	34.1	13.3	47.4	68.2	-20.8	Peak	Vertical
	9143.0	35.6	14.0	49.6	74.0	-24.4	Peak	Vertical
	11030.0	35.9	17.9	53.8	74.0	-20.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	118
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7111.5	35.2	12.2	47.4	68.2	-20.8	Peak	Horizontal
*	7825.5	35.0	13.2	48.2	68.2	-20.0	Peak	Horizontal
	8038.0	36.7	13.7	50.4	74.0	-23.6	Peak	Horizontal
	10783.5	34.6	17.9	52.5	74.0	-21.5	Peak	Horizontal
*	7145.5	36.0	12.4	48.4	68.2	-19.8	Peak	Vertical
*	7842.5	35.6	13.3	48.9	68.2	-19.3	Peak	Vertical
	8352.5	37.0	12.6	49.6	74.0	-24.4	Peak	Vertical
	9109.0	35.3	13.7	49.0	74.0	-25.0	Peak	Vertical

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

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

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

Product	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	134
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7111.5	36.1	12.2	48.3	68.2	-19.9	Peak	Horizontal
*	7919.0	36.7	13.4	50.1	68.2	-18.1	Peak	Horizontal
	8284.5	36.2	12.7	48.9	74.0	-25.1	Peak	Horizontal
	9134.5	34.4	13.9	48.3	74.0	-25.7	Peak	Horizontal
*	7154.0	35.2	12.4	47.6	68.2	-20.6	Peak	Vertical
*	7910.5	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
	8395.0	36.5	12.5	49.0	74.0	-25.0	Peak	Vertical
	9092.0	35.3	13.6	48.9	74.0	-25.1	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	142
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7035.0	34.6	11.6	46.2	68.2	-22.0	Peak	Horizontal
*	7851.0	35.8	13.3	49.1	68.2	-19.1	Peak	Horizontal
	8267.5	36.1	12.8	48.9	74.0	-25.1	Peak	Horizontal
	9092.0	34.7	13.6	48.3	74.0	-25.7	Peak	Horizontal
*	7137.0	36.2	12.4	48.6	68.2	-19.6	Peak	Vertical
*	7910.5	35.0	13.4	48.4	68.2	-19.8	Peak	Vertical
	8276.0	34.8	12.8	47.6	74.0	-26.4	Peak	Vertical
	9092.0	33.7	13.6	47.3	74.0	-26.7	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	151
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
*	7230.5	36.4	12.7	49.1	68.2	-19.1	Peak	Horizontal
*	7910.5	34.1	13.4	47.5	68.2	-20.7	Peak	Horizontal
	8403.5	35.1	12.5	47.6	74.0	-26.4	Peak	Horizontal
	9049.5	33.9	13.4	47.3	74.0	-26.7	Peak	Horizontal
*	7111.5	36.3	12.2	48.5	68.2	-19.7	Peak	Vertical
*	7927.5	36.4	13.5	49.9	68.2	-18.3	Peak	Vertical
	8437.5	36.8	12.7	49.5	74.0	-24.5	Peak	Vertical
	9092.0	33.9	13.6	47.5	74.0	-26.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 + 2	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	36.4	12.2	48.6	68.2	-19.6	Peak	Horizontal
*	7842.5	35.1	13.3	48.4	68.2	-19.8	Peak	Horizontal
	8242.0	35.4	13.0	48.4	74.0	-25.6	Peak	Horizontal
	9134.5	35.4	13.9	49.3	74.0	-24.7	Peak	Horizontal
*	7120.0	36.8	12.2	49.0	68.2	-19.2	Peak	Vertical
*	7808.5	34.2	13.2	47.4	68.2	-20.8	Peak	Vertical
	8276.0	34.7	12.8	47.5	74.0	-26.5	Peak	Vertical
	9134.5	35.5	13.9	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6950.0	40.1	11.1	51.2	68.2	-17.0	Peak	Horizontal
*	7953.0	35.9	13.5	49.4	68.2	-18.8	Peak	Horizontal
	8242.0	36.1	13.0	49.1	74.0	-24.9	Peak	Horizontal
	9049.5	34.6	13.4	48.0	74.0	-26.0	Peak	Horizontal
*	6950.0	43.7	11.1	54.8	68.2	-13.4	Peak	Vertical
*	7876.5	34.3	13.3	47.6	68.2	-20.6	Peak	Vertical
	8386.5	35.1	12.6	47.7	74.0	-26.3	Peak	Vertical
	9092.0	34.1	13.6	47.7	74.0	-26.3	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2	Test Channel:	58
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7188.0	35.8	12.5	48.3	68.2	-19.9	Peak	Horizontal
*	7919.0	35.1	13.4	48.5	68.2	-19.7	Peak	Horizontal
	8250.5	34.7	12.9	47.6	74.0	-26.4	Peak	Horizontal
	9049.5	34.3	13.4	47.7	74.0	-26.3	Peak	Horizontal
*	7052.0	42.7	11.8	54.5	68.2	-13.7	Peak	Vertical
*	7876.5	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
	8276.0	35.3	12.8	48.1	74.0	-25.9	Peak	Vertical
	9058.0	34.4	13.4	47.8	74.0	-26.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2	Test Channel:	106
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.2	12.4	47.6	68.2	-20.6	Peak	Horizontal
*	7953.0	34.8	13.5	48.3	68.2	-19.9	Peak	Horizontal
	8216.5	35.1	13.0	48.1	74.0	-25.9	Peak	Horizontal
	9117.5	34.9	13.8	48.7	74.0	-25.3	Peak	Horizontal
*	7094.5	35.9	12.0	47.9	68.2	-20.3	Peak	Vertical
*	7961.5	35.3	13.5	48.8	68.2	-19.4	Peak	Vertical
	8293.0	35.8	12.7	48.5	74.0	-25.5	Peak	Vertical
	9126.0	33.9	13.9	47.8	74.0	-26.2	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2	Test Channel:	122
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7120.0	34.1	12.2	46.3	68.2	-21.9	Peak	Horizontal
*	7876.5	34.6	13.3	47.9	68.2	-20.3	Peak	Horizontal
	8318.5	34.7	12.6	47.3	74.0	-26.7	Peak	Horizontal
	9049.5	34.5	13.4	47.9	74.0	-26.1	Peak	Horizontal
*	7179.5	36.4	12.5	48.9	68.2	-19.3	Peak	Vertical
*	7851.0	34.9	13.3	48.2	68.2	-20.0	Peak	Vertical
	8276.0	34.9	12.8	47.7	74.0	-26.3	Peak	Vertical
	9185.5	33.8	14.2	48.0	74.0	-26.0	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2	Test Channel:	138
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7179.5	36.2	12.5	48.7	68.2	-19.5	Peak	Horizontal
*	7868.0	33.6	13.3	46.9	68.2	-21.3	Peak	Horizontal
	8395.0	35.8	12.5	48.3	74.0	-25.7	Peak	Horizontal
	9134.5	33.3	13.9	47.2	74.0	-26.8	Peak	Horizontal
*	7188.0	35.5	12.5	48.0	68.2	-20.2	Peak	Vertical
*	7876.5	34.7	13.3	48.0	68.2	-20.2	Peak	Vertical
	8352.5	34.4	12.6	47.0	74.0	-27.0	Peak	Vertical
	9015.5	34.1	13.4	47.5	74.0	-26.5	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	802.11ac Dual Band Module	Temperature	23°C
Test Engineer	Kevin Ker	Relative Humidity	54 %
Test Site	AC1	Test Date	2018/03/28
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 + 2	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7145.5	36.0	12.4	48.4	68.2	-19.8	Peak	Horizontal
*	7961.5	36.4	13.5	49.9	68.2	-18.3	Peak	Horizontal
	8276.0	35.2	12.8	48.0	74.0	-26.0	Peak	Horizontal
	9134.5	34.1	13.9	48.0	74.0	-26.0	Peak	Horizontal
*	7205.0	35.8	12.6	48.4	68.2	-19.8	Peak	Vertical
*	7842.5	34.4	13.3	47.7	68.2	-20.5	Peak	Vertical
	8420.5	36.3	12.6	48.9	74.0	-25.1	Peak	Vertical
	9075.0	35.9	13.5	49.4	74.0	-24.6	Peak	Vertical

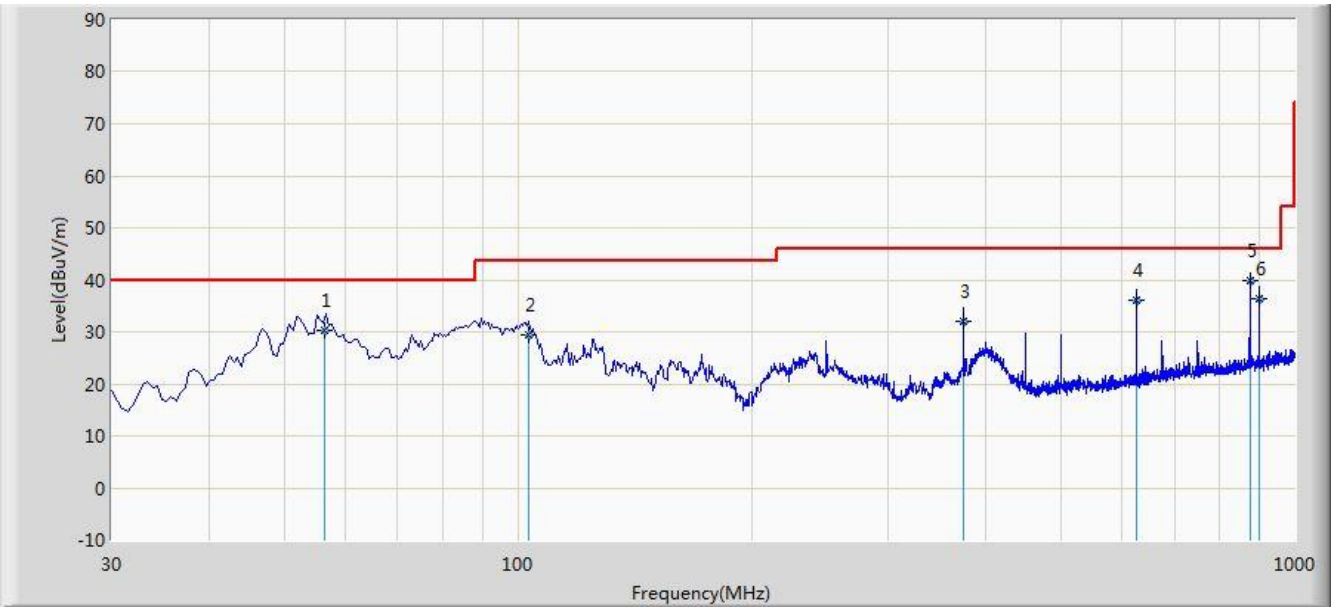
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2018/04/01 - 18:14
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Bacon Dong
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Worse Case Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz, Ant 0 + 1	



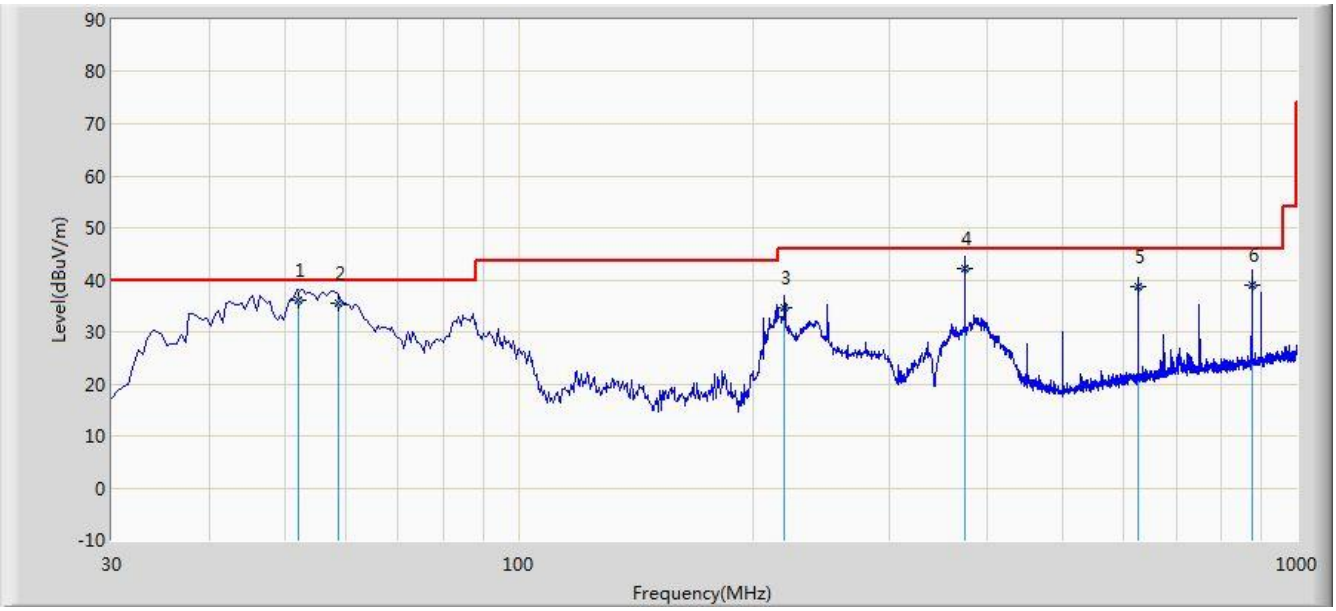
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			56.460	30.200	16.480	-9.800	40.000	13.720	QP
2			103.486	29.380	17.957	-14.120	43.500	11.423	QP
3			374.430	32.157	16.071	-13.843	46.000	16.086	QP
4			625.155	35.973	14.871	-10.027	46.000	21.102	QP
5		*	875.120	39.792	15.728	-6.208	46.000	24.064	QP
6			900.498	36.498	12.056	-9.502	46.000	24.442	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

Site: AC1	Time: 2018/04/01 - 18:16
Limit: FCC_Part15.109_RE(3m)_Class B	Engineer: Bacon Dong
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Worse Case Mode: Transmit by 802.11ac-VHT20 at Channel 5785MHz, Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			52.074	36.124	22.079	-3.876	40.000	14.045	QP
2			58.700	35.556	21.997	-4.444	40.000	13.559	QP
3			219.478	34.674	22.700	-11.326	46.000	11.973	QP
4		*	374.118	42.234	26.155	-3.766	46.000	16.079	QP
5			625.789	38.570	17.456	-7.430	46.000	21.115	QP
6			875.156	39.072	15.008	-6.928	46.000	24.065	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.

6.3. Radiated Restricted Band Edge Measurement

6.3.1. 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	8.25 - 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 - 156.525	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:

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 47 CFR must not exceed the limits shown in Table per Section 15.209.

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

6.3.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

6.3.3. Test Setting

Peak Measurements above 1GHz

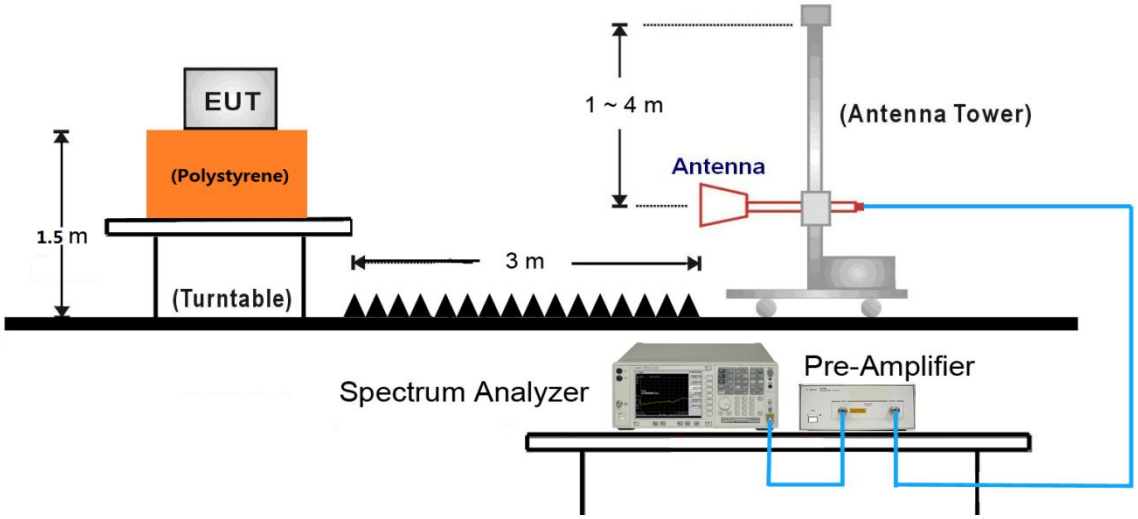
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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 ≤ RBW/100 (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is < 98%, set VBW ≥ 1/T.
4. Detector = Peak
5. Sweep time = auto
6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of 1/x, where x is the duty cycle.

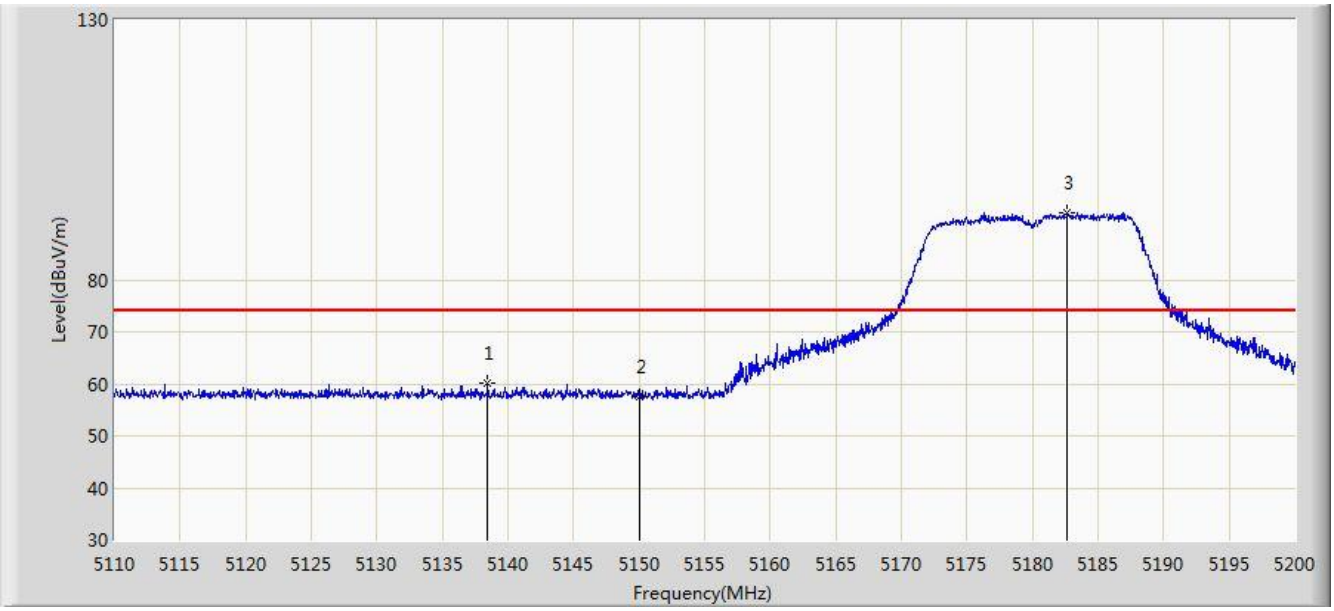
6.3.4. Test Setup

CDD Mode Test Setup:



6.3.5. Test Result

Site: AC1	Time: 2018/03/23 - 00:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

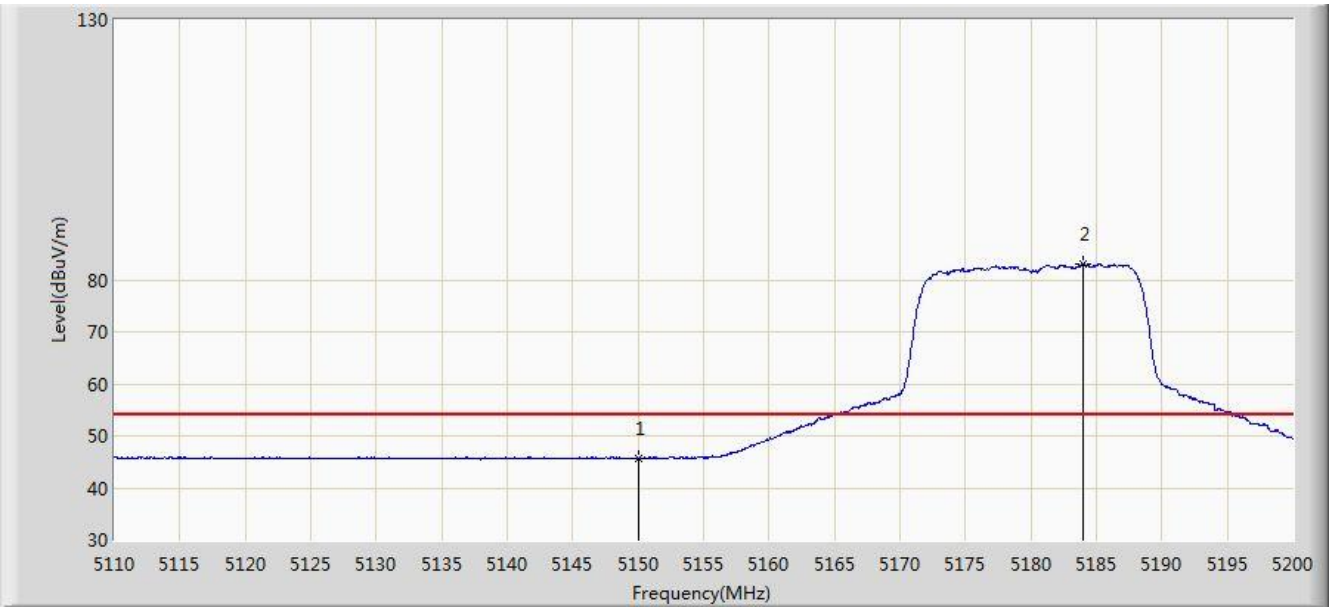


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.440	60.092	53.478	-13.908	74.000	6.614	PK
2			5150.000	57.533	50.971	-16.467	74.000	6.562	PK
3		*	5182.630	92.754	86.329	N/A	N/A	6.424	PK

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: 2018/03/23 - 00:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

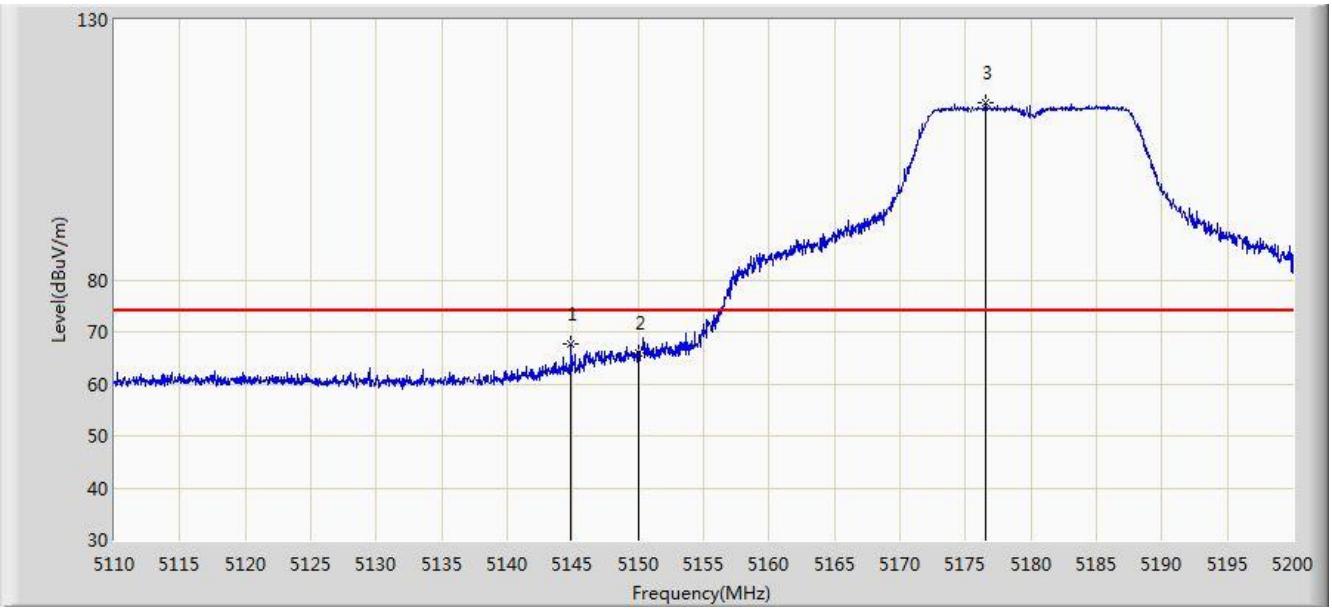


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.741	39.179	-8.259	54.000	6.562	AV
2		*	5184.025	83.121	76.705	N/A	N/A	6.416	AV

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: 2018/03/23 - 00:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

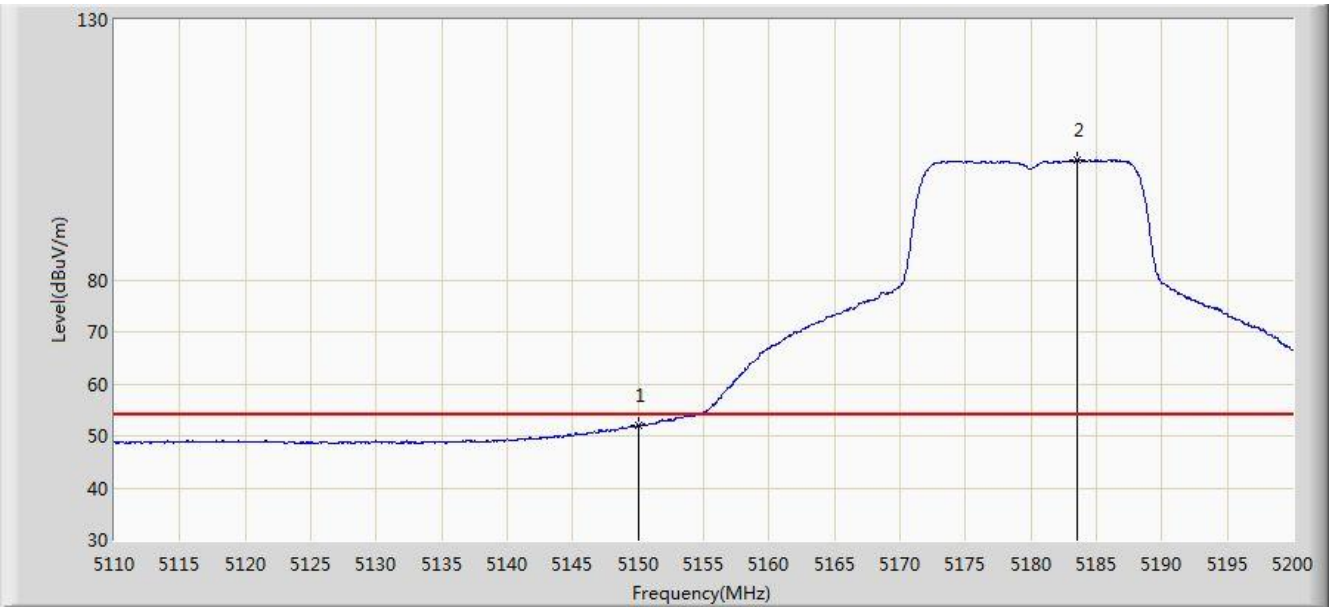


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.875	67.745	61.168	-6.255	74.000	6.577	PK
2			5150.000	65.963	59.401	-8.037	74.000	6.562	PK
3		*	5176.555	113.932	107.460	N/A	N/A	6.471	PK

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: 2018/03/23 - 00:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5180MHz, Ant 0	

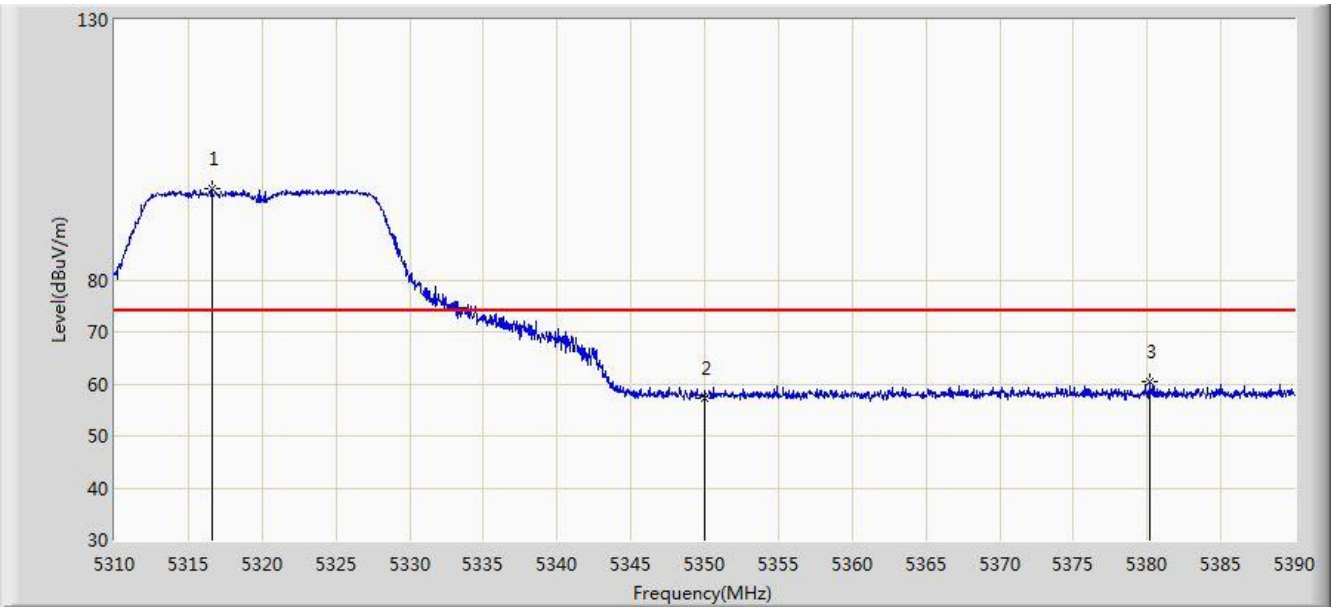


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.949	45.387	-2.051	54.000	6.562	AV
2		*	5183.575	103.166	96.747	N/A	N/A	6.419	AV

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: 2018/03/23 - 00:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

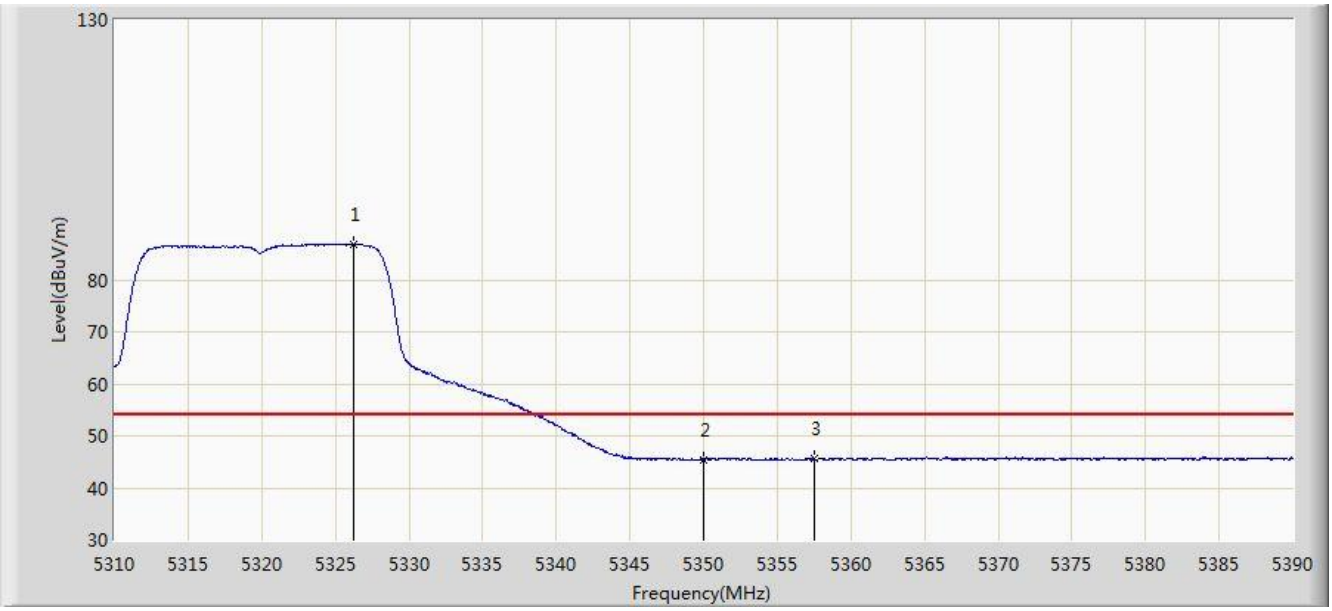


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.600	97.441	91.162	N/A	N/A	6.280	PK
2			5350.000	57.286	50.826	-16.714	74.000	6.460	PK
3			5380.200	60.347	53.803	-13.653	74.000	6.544	PK

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: 2018/03/23 - 00:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

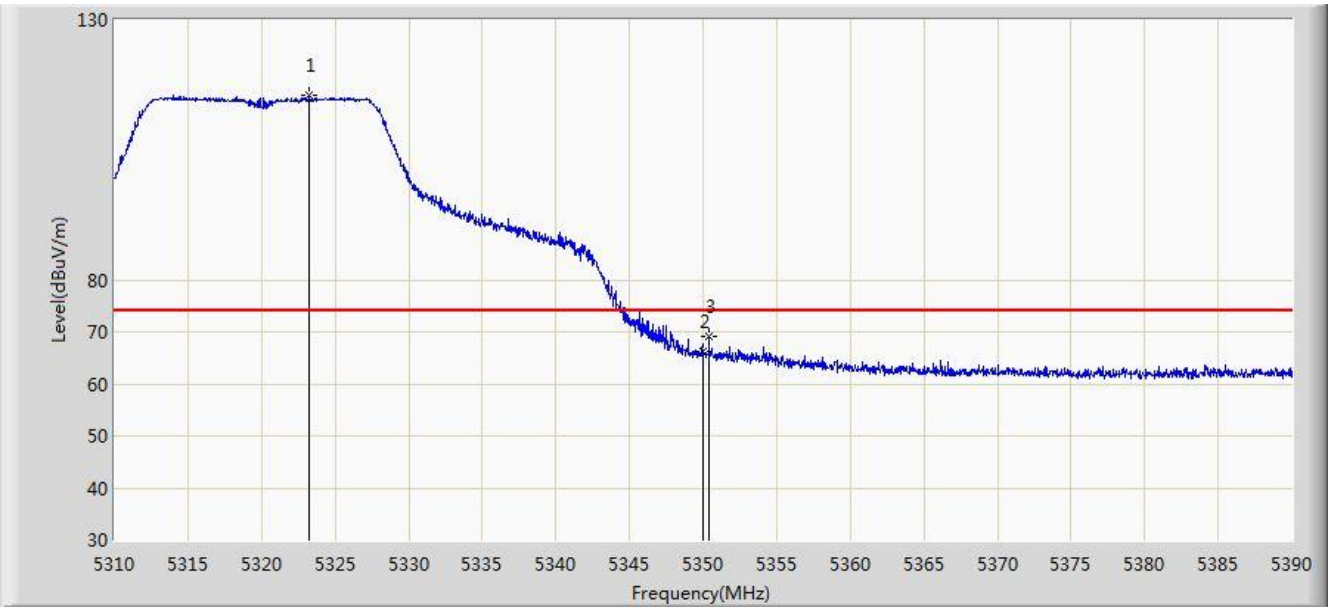


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5326.200	86.926	80.597	N/A	N/A	6.328	AV
2			5350.000	45.453	38.993	-8.547	54.000	6.460	AV
3			5357.480	45.699	39.209	-8.301	54.000	6.490	AV

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: 2018/03/23 - 00:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

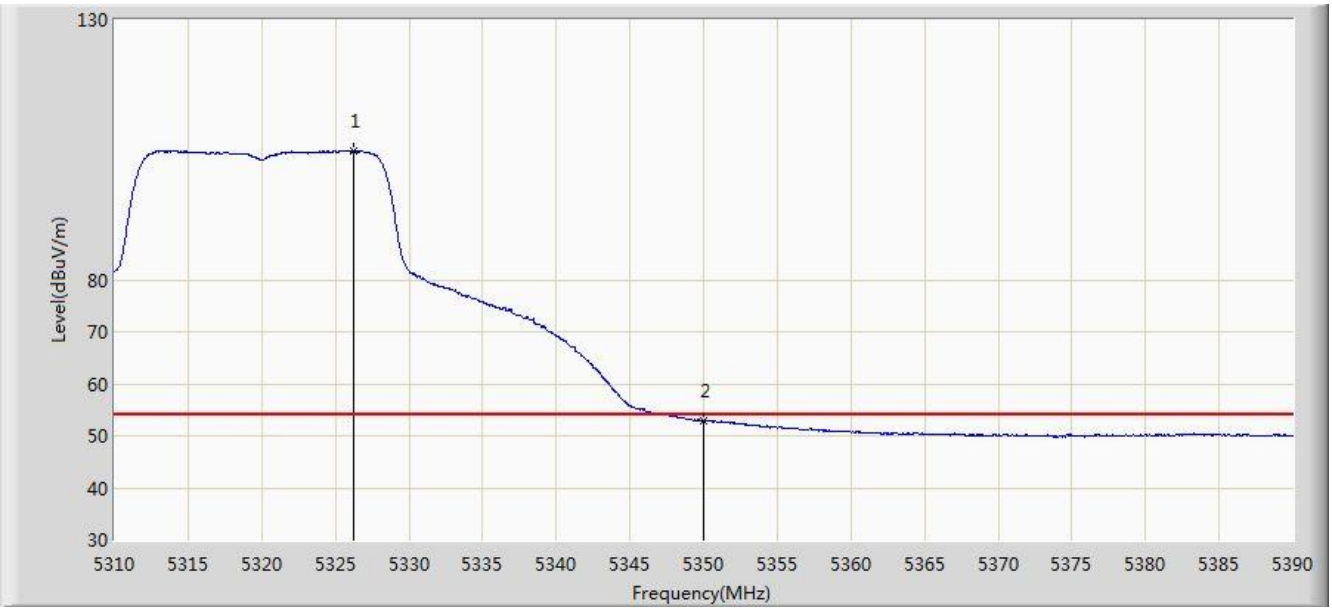


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.240	115.394	109.082	N/A	N/A	6.312	PK
2			5350.000	66.279	59.819	-7.721	74.000	6.460	PK
3			5350.400	69.217	62.755	-4.783	74.000	6.462	PK

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: 2018/03/23 - 00:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5320MHz, Ant 0	

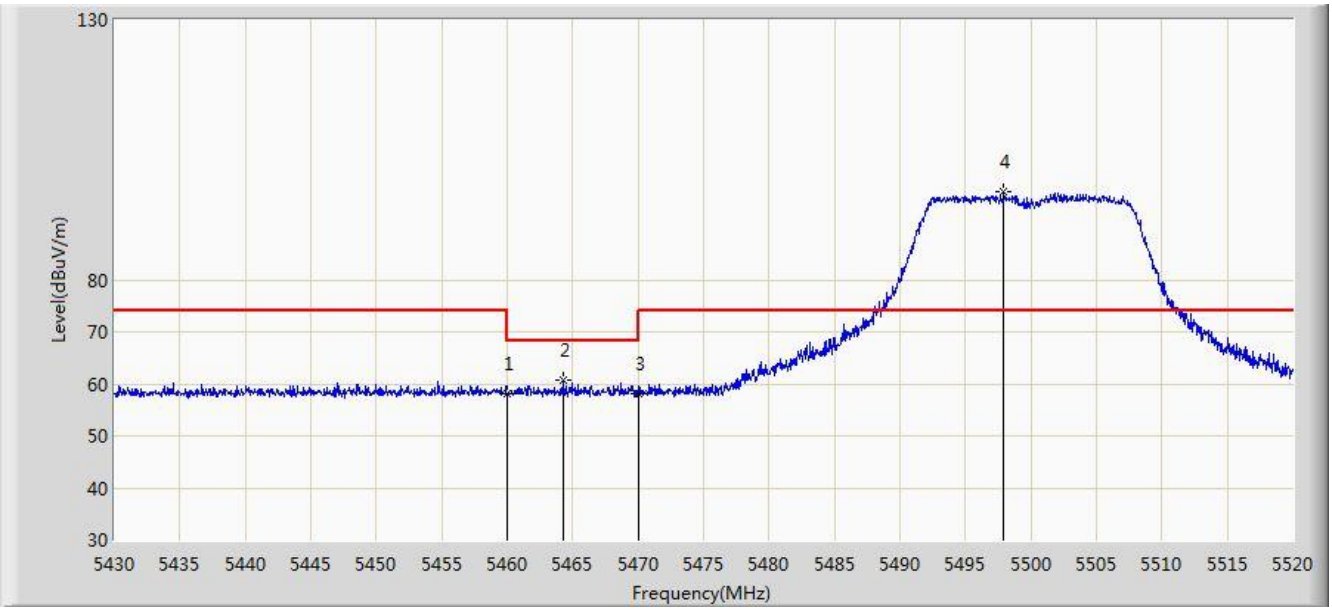


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5326.240	104.848	98.519	N/A	N/A	6.329	AV
2			5350.000	52.955	46.495	-1.045	54.000	6.460	AV

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: 2018/03/23 - 01:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

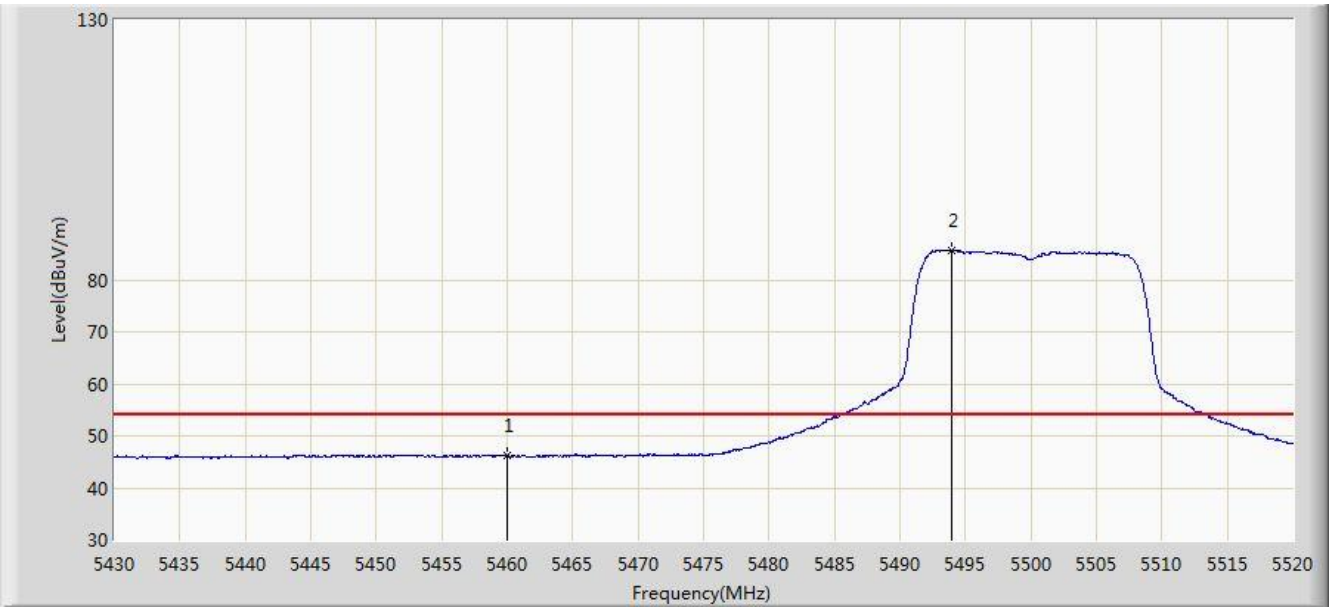


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	58.109	51.307	-15.891	74.000	6.802	PK
2			5464.290	60.653	53.833	-7.547	68.200	6.820	PK
3			5470.000	58.141	51.296	-10.059	68.200	6.845	PK
4		*	5497.950	96.901	90.078	N/A	N/A	6.823	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: 2018/03/23 - 01:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

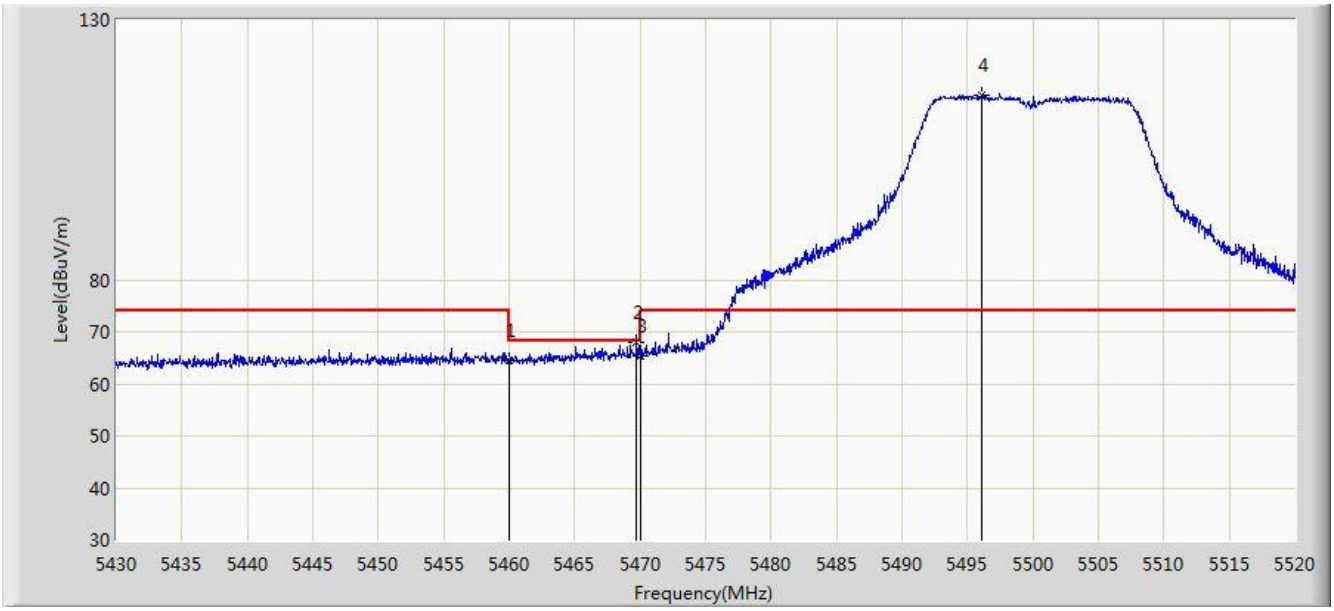


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.108	39.306	-7.892	54.000	6.802	AV
2		*	5493.945	85.681	78.852	N/A	N/A	6.830	AV

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: 2018/03/23 - 01:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

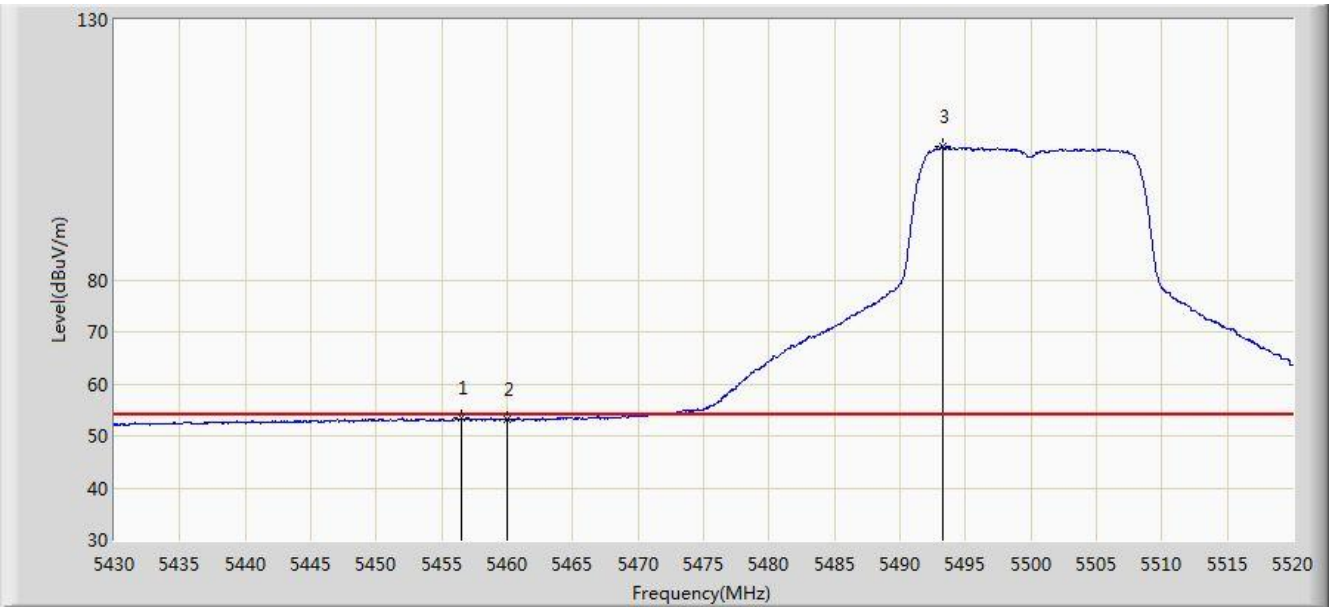


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	64.524	57.722	-9.476	74.000	6.802	PK
2			5469.690	68.031	61.187	-0.169	68.200	6.844	PK
3			5470.000	65.380	58.535	-2.820	68.200	6.845	PK
4		*	5496.105	115.601	108.775	N/A	N/A	6.826	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: 2018/03/23 - 01:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5500MHz, Ant 0	

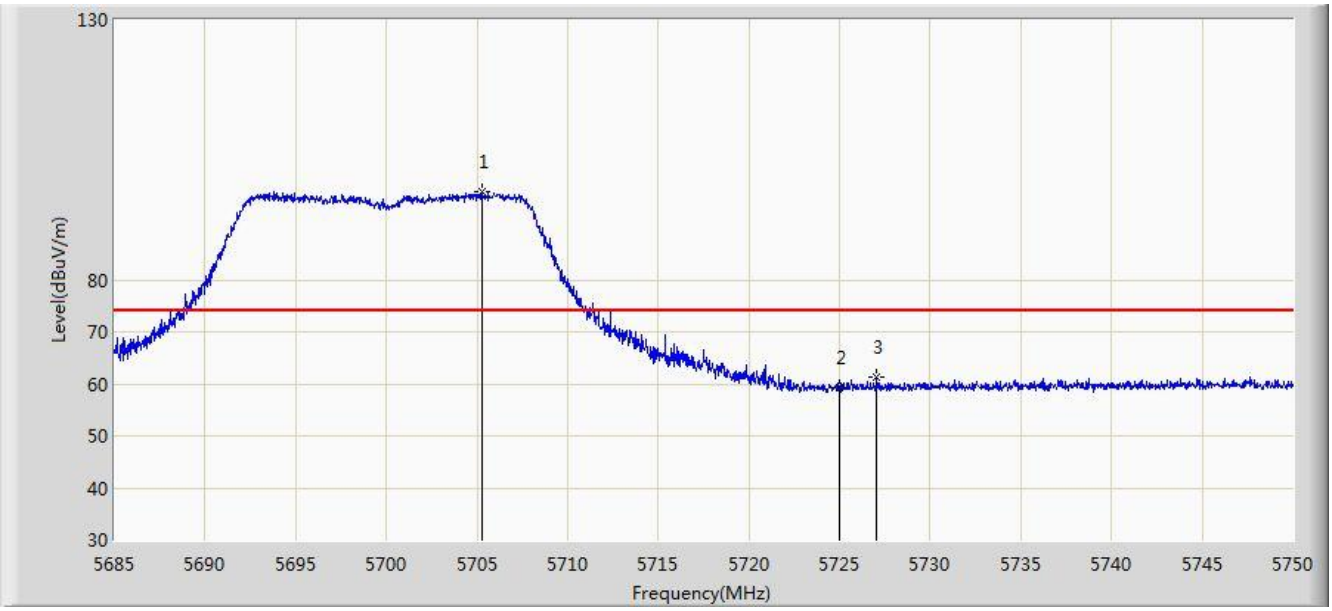


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.505	53.398	46.611	-0.602	54.000	6.786	AV
2			5460.000	53.090	46.288	-0.910	54.000	6.802	AV
3		*	5493.225	105.610	98.779	N/A	N/A	6.831	AV

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: 2018/03/23 - 01:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

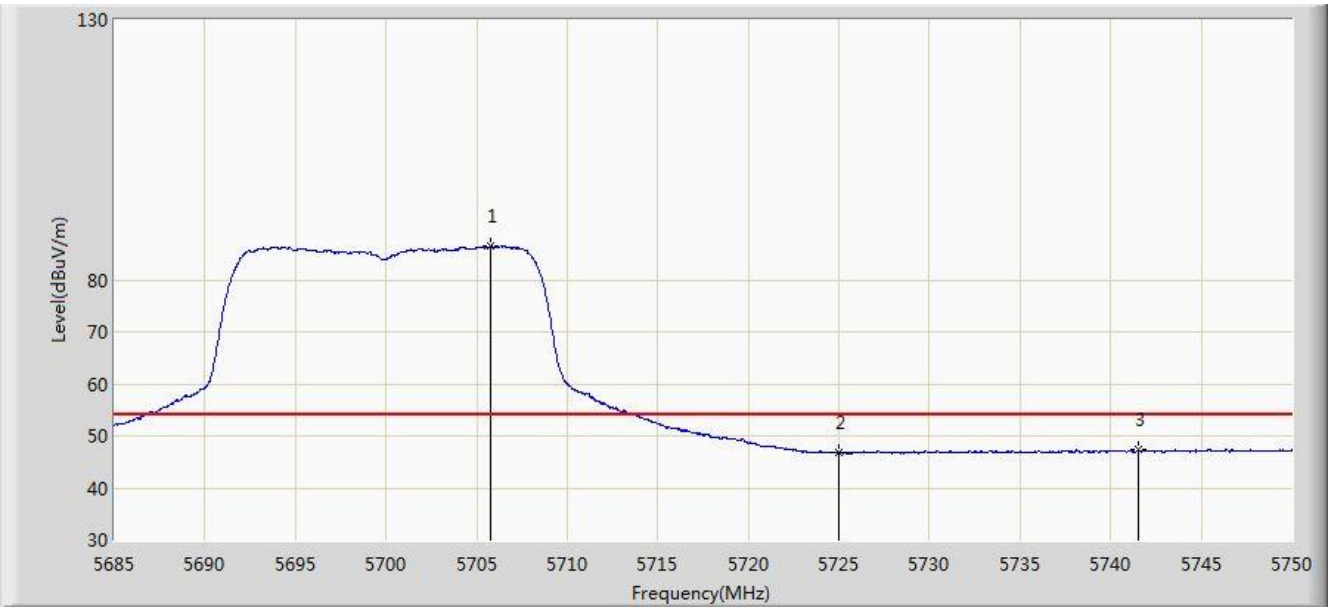


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5705.280	96.950	89.745	N/A	N/A	7.206	PK
2			5725.000	59.383	52.055	-14.617	74.000	7.328	PK
3			5727.055	61.223	53.885	-12.777	74.000	7.339	PK

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: 2018/03/23 - 01:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

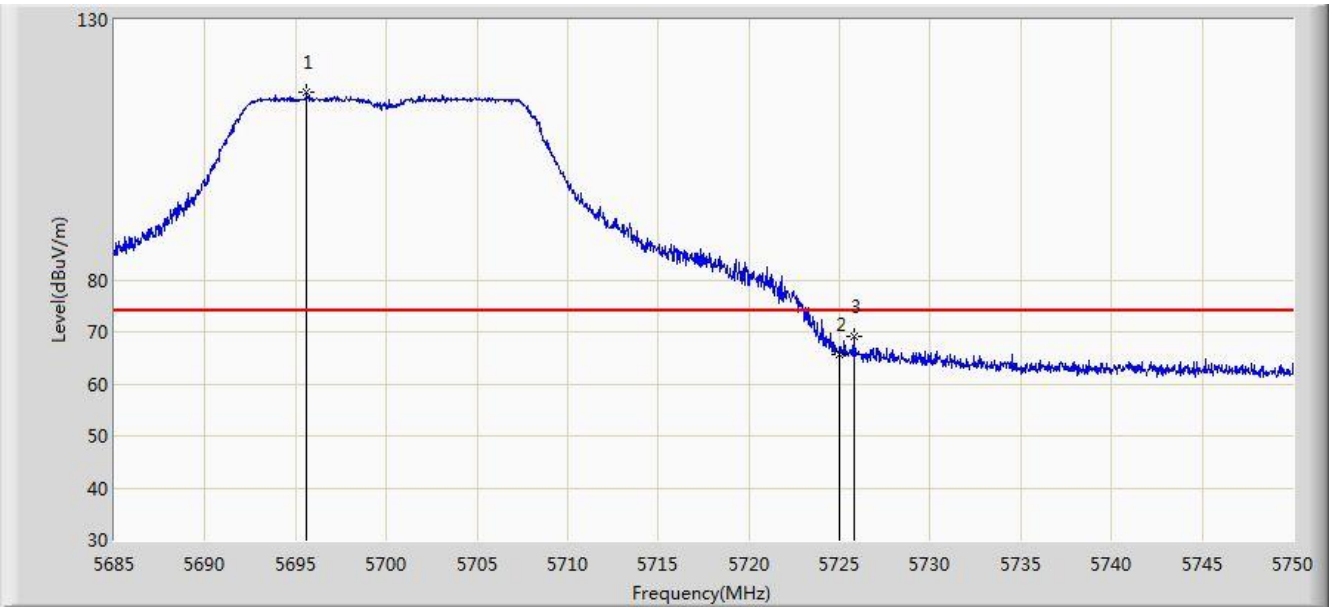


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5705.735	86.411	79.202	N/A	N/A	7.209	AV
2			5725.000	46.722	39.394	-7.278	54.000	7.328	AV
3			5741.550	47.247	39.849	-6.753	54.000	7.398	AV

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: 2018/03/23 - 01:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

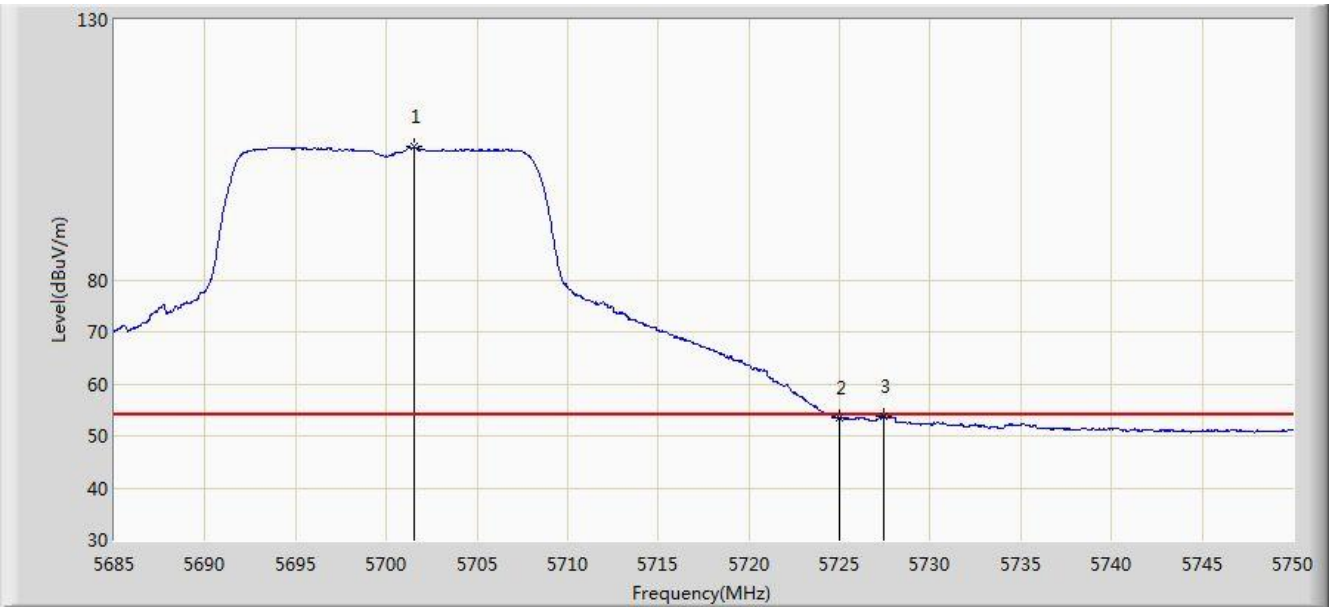


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.627	116.068	108.932	N/A	N/A	7.136	PK
2			5725.000	65.790	58.462	-8.210	74.000	7.328	PK
3			5725.788	69.099	61.766	-4.901	74.000	7.333	PK

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: 2018/03/23 - 01:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5700MHz, Ant 0	

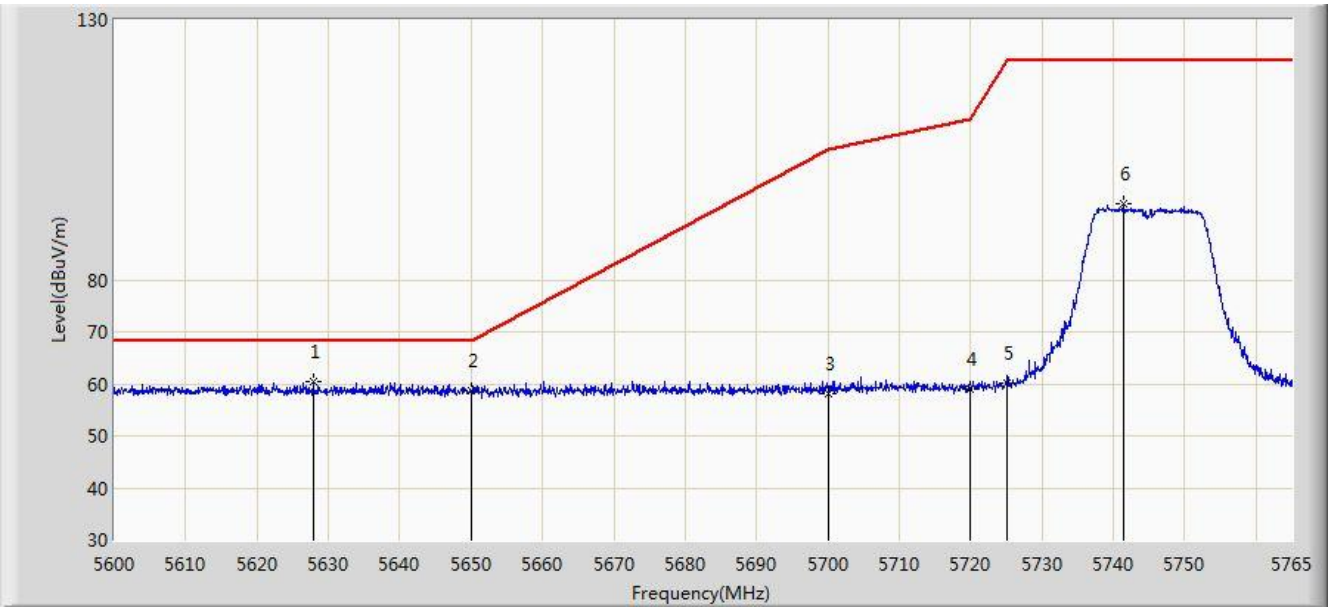


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.510	105.535	98.359	N/A	N/A	7.175	AV
2			5725.000	53.555	46.227	-0.445	54.000	7.328	AV
3			5727.478	53.695	46.355	-0.305	54.000	7.339	AV

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: 2018/03/23 - 02:02
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5745MHz, Ant 0	

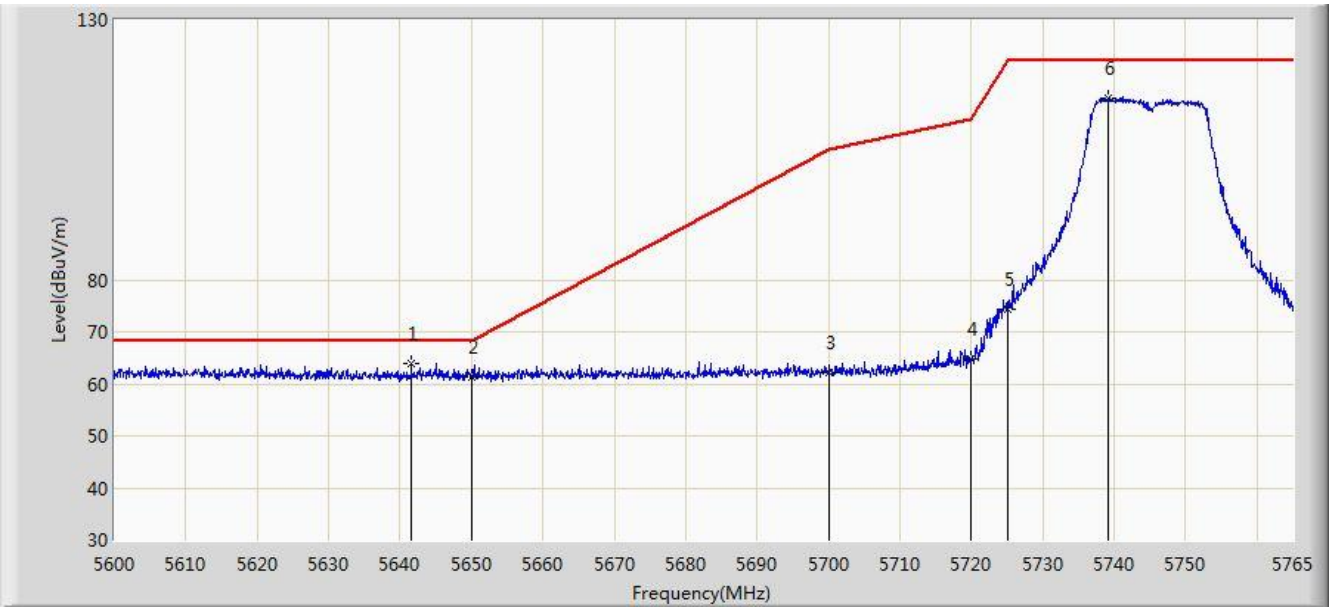


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5627.885	60.451	53.443	-7.749	68.200	7.008	PK
2			5650.000	58.552	51.547	-9.648	68.200	7.005	PK
3			5700.000	58.161	50.996	-47.039	105.200	7.165	PK
4			5720.000	59.033	51.734	-51.767	110.800	7.299	PK
5			5725.000	60.170	52.842	-62.030	122.200	7.328	PK
6			5741.405	94.665	87.268	N/A	N/A	7.398	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: 2018/03/23 - 01:34
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5745MHz, Ant 0	

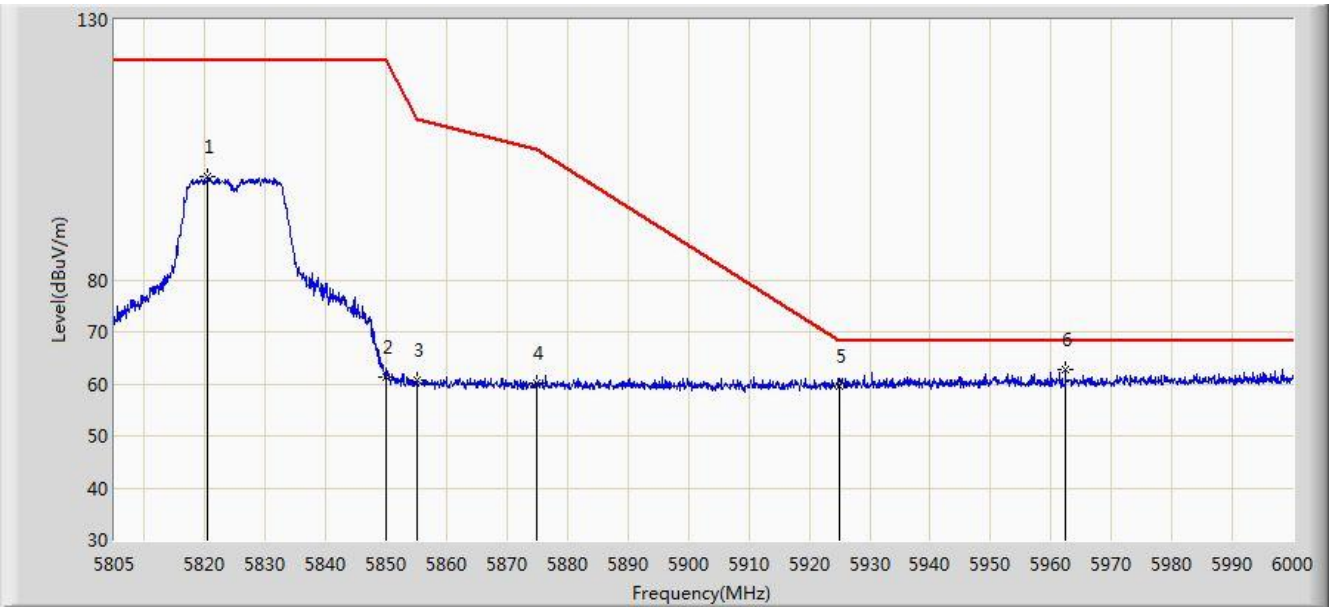


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5641.580	63.776	56.790	-4.424	68.200	6.987	PK
2			5650.000	61.386	54.381	-6.814	68.200	7.005	PK
3			5700.000	62.118	54.953	-43.082	105.200	7.165	PK
4			5720.000	64.695	57.396	-46.105	110.800	7.299	PK
5			5725.000	74.296	66.968	-47.904	122.200	7.328	PK
6			5739.178	115.007	107.618	N/A	N/A	7.388	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: 2018/03/23 - 02:09
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5825MHz, Ant 0	

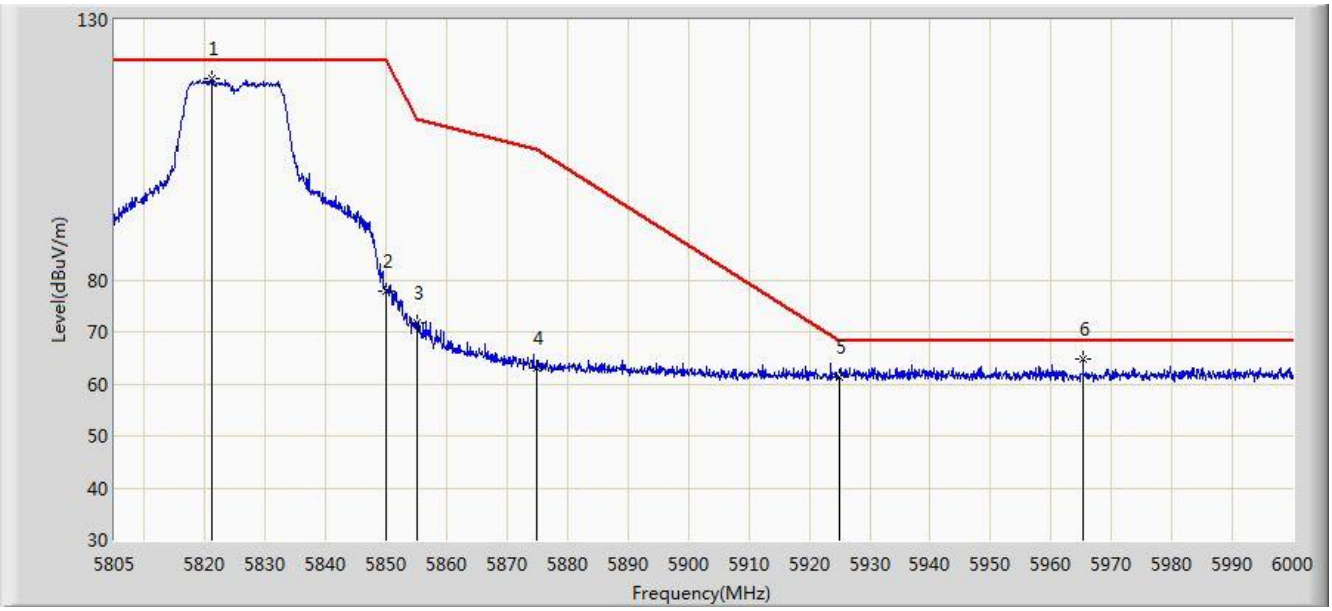


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5820.405	99.724	92.087	N/A	N/A	7.637	PK
2			5850.000	61.425	53.652	-60.775	122.200	7.774	PK
3			5855.000	60.690	52.914	-50.110	110.800	7.775	PK
4			5875.000	60.023	52.205	-45.177	105.200	7.818	PK
5			5925.000	59.563	51.744	-8.637	68.200	7.819	PK
6		*	5962.365	62.614	54.755	-5.586	68.200	7.859	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: 2018/03/23 - 02:06
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11a at Channel 5825MHz, Ant 0	

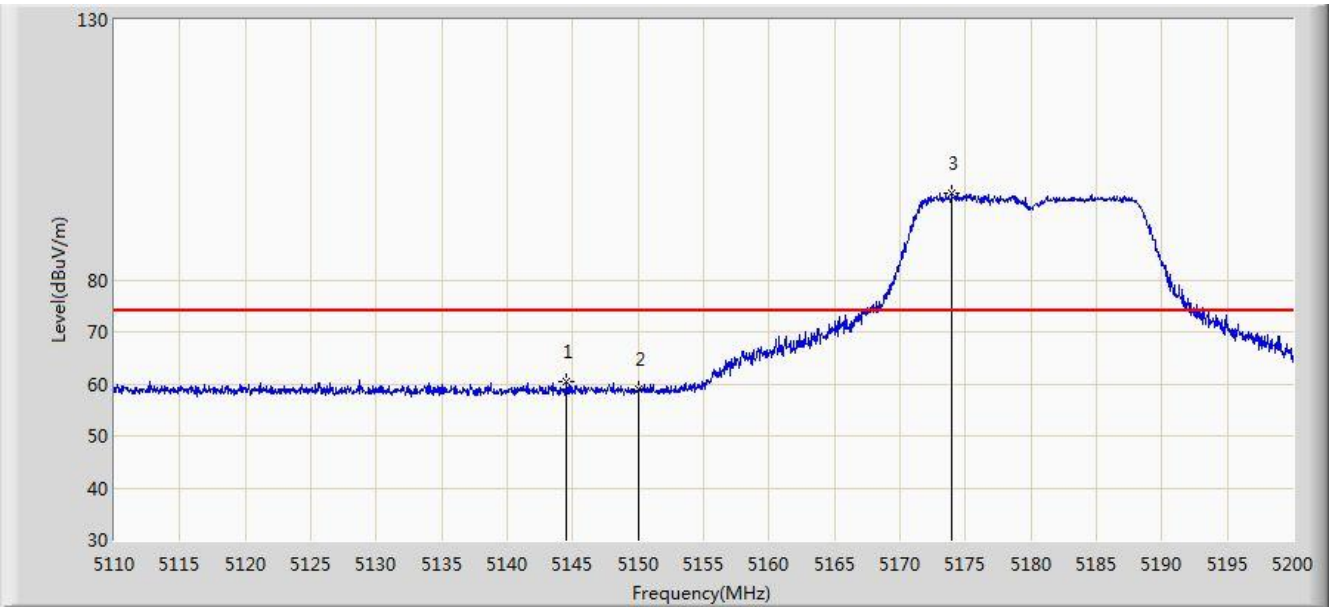


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.185	118.687	111.046	N/A	N/A	7.641	PK
2			5850.000	77.725	69.952	-44.475	122.200	7.774	PK
3			5855.000	71.791	64.015	-39.009	110.800	7.775	PK
4			5875.000	63.095	55.277	-42.105	105.200	7.818	PK
5			5925.000	61.175	53.356	-7.025	68.200	7.819	PK
6		*	5965.290	64.910	57.046	-3.290	68.200	7.864	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: 2018/03/23 - 02:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Ant 0	

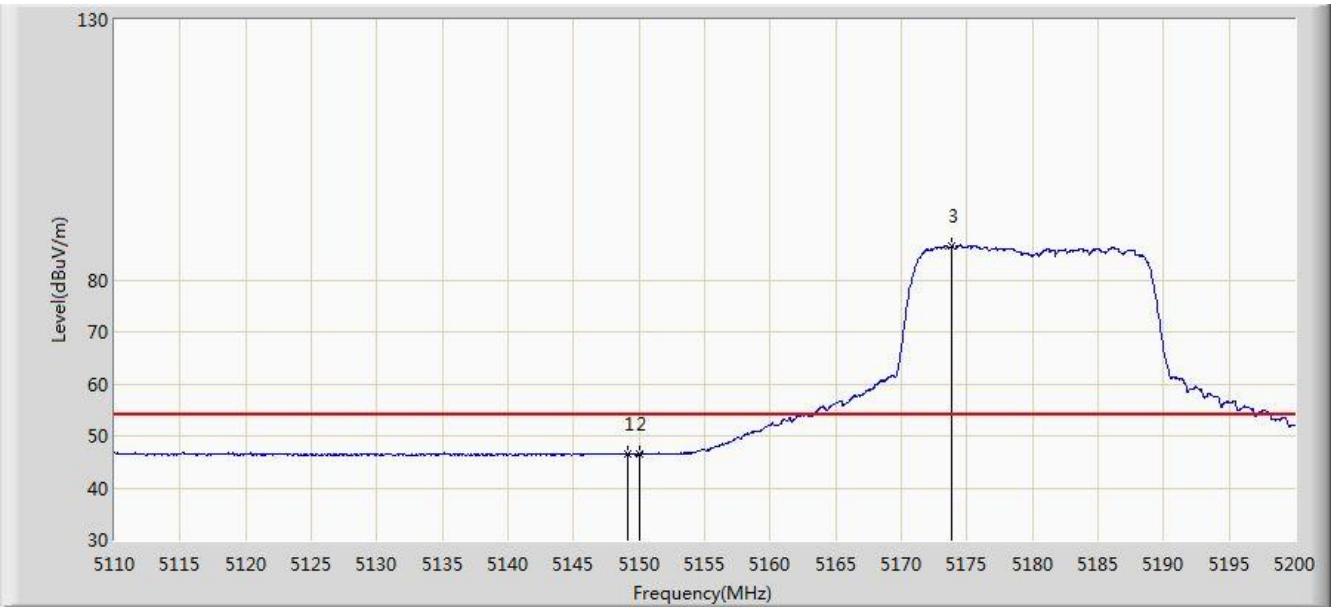


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.470	60.338	53.759	-13.662	74.000	6.579	PK
2			5150.000	59.058	52.496	-14.942	74.000	6.562	PK
3		*	5173.945	96.625	90.133	N/A	N/A	6.493	PK

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: 2018/03/23 - 02:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Ant 0	

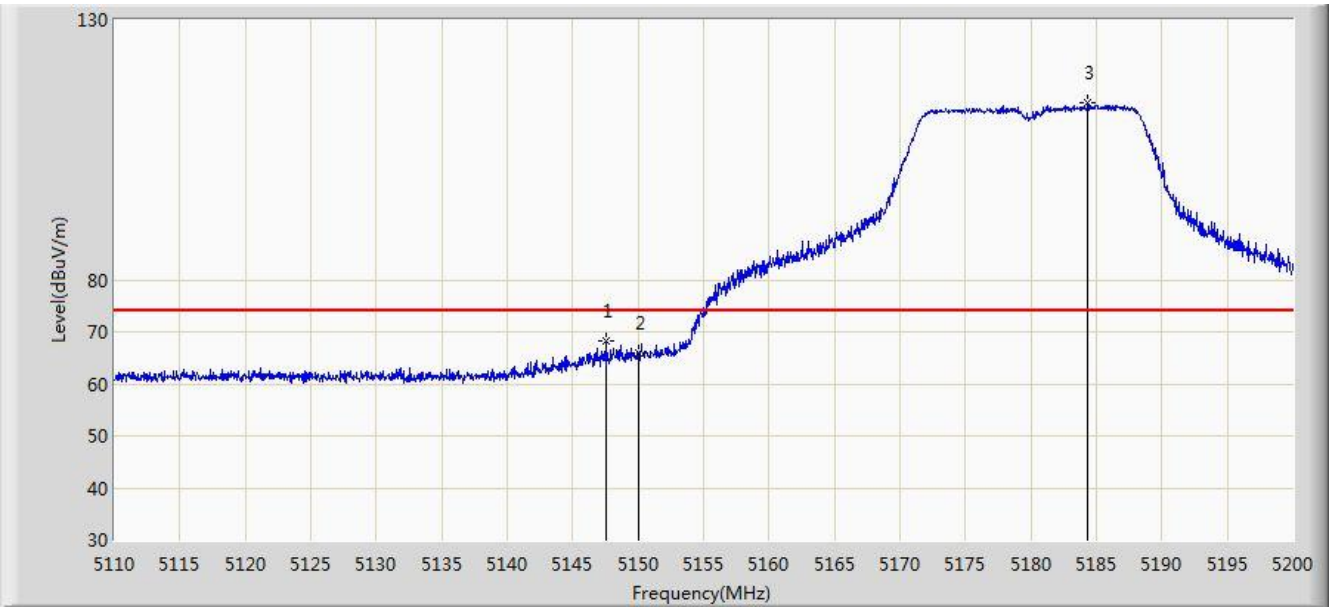


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.105	46.636	40.076	-7.364	54.000	6.560	AV
2			5150.000	46.462	39.900	-7.538	54.000	6.562	AV
3		*	5173.855	86.569	80.076	N/A	N/A	6.493	AV

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: 2018/03/23 - 02:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Ant 0	

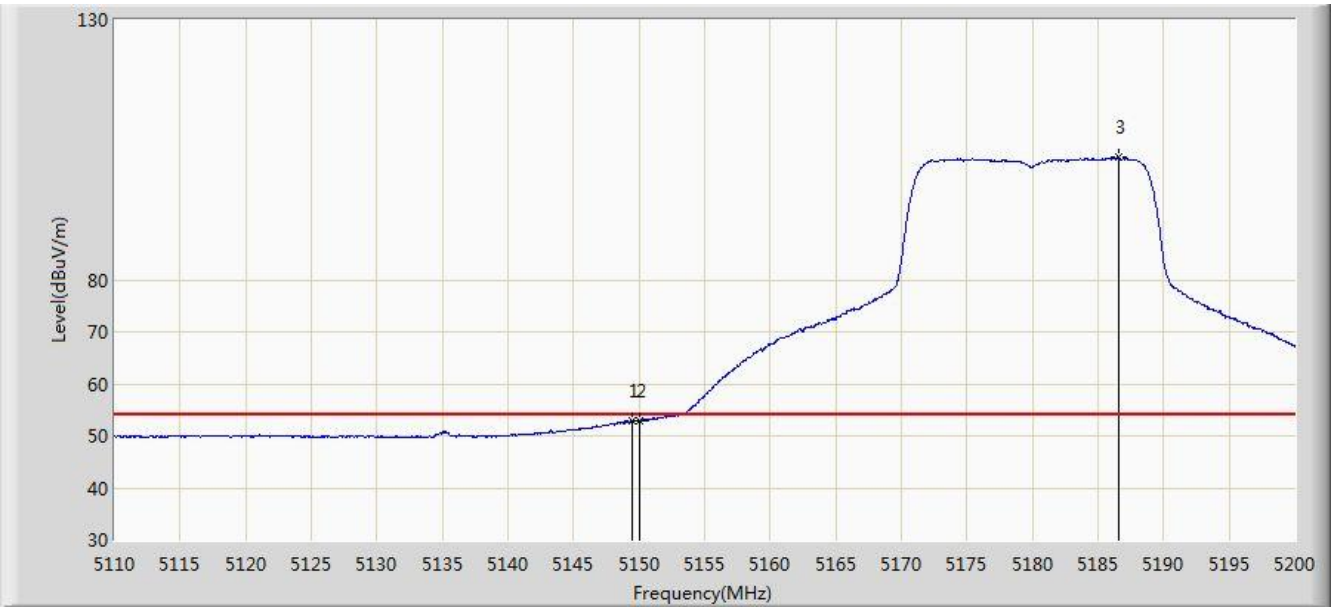


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.530	68.181	61.620	-5.819	74.000	6.561	PK
2			5150.000	65.950	59.388	-8.050	74.000	6.562	PK
3		*	5184.340	113.974	107.560	N/A	N/A	6.414	PK

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: 2018/03/23 - 02:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz, Ant 0	

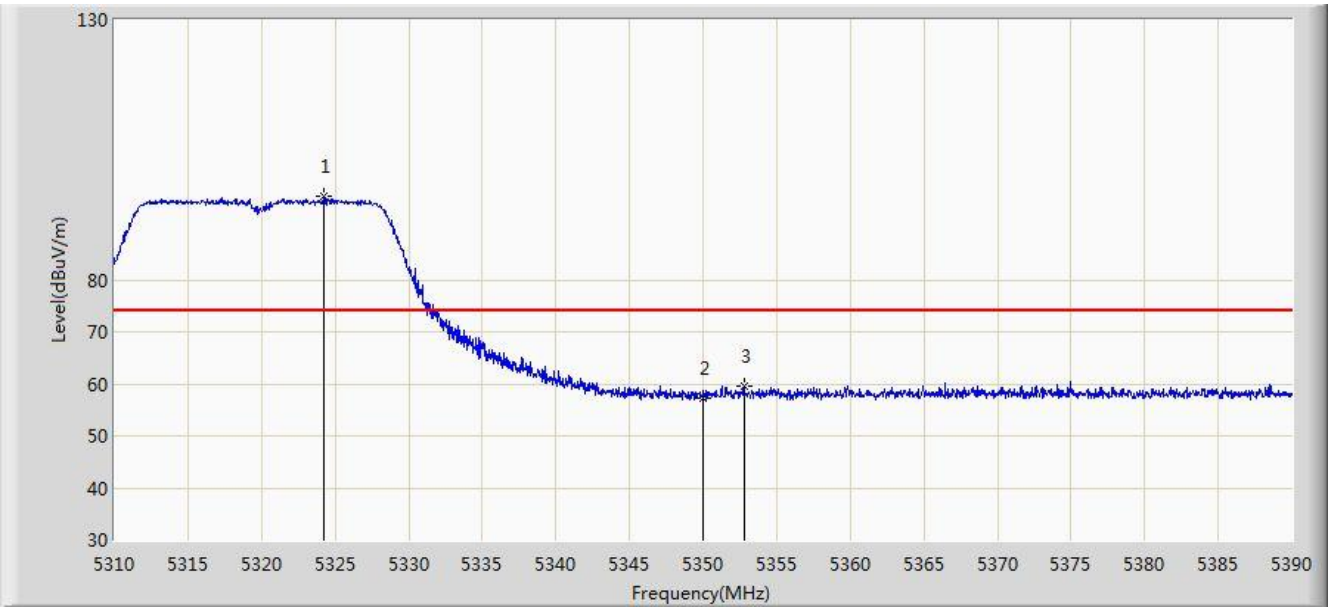


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.420	52.939	46.378	-1.061	54.000	6.561	AV
2			5150.000	52.810	46.248	-1.190	54.000	6.562	AV
3		*	5186.545	103.534	97.132	N/A	N/A	6.402	AV

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: 2018/03/23 - 02:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Ant 0	

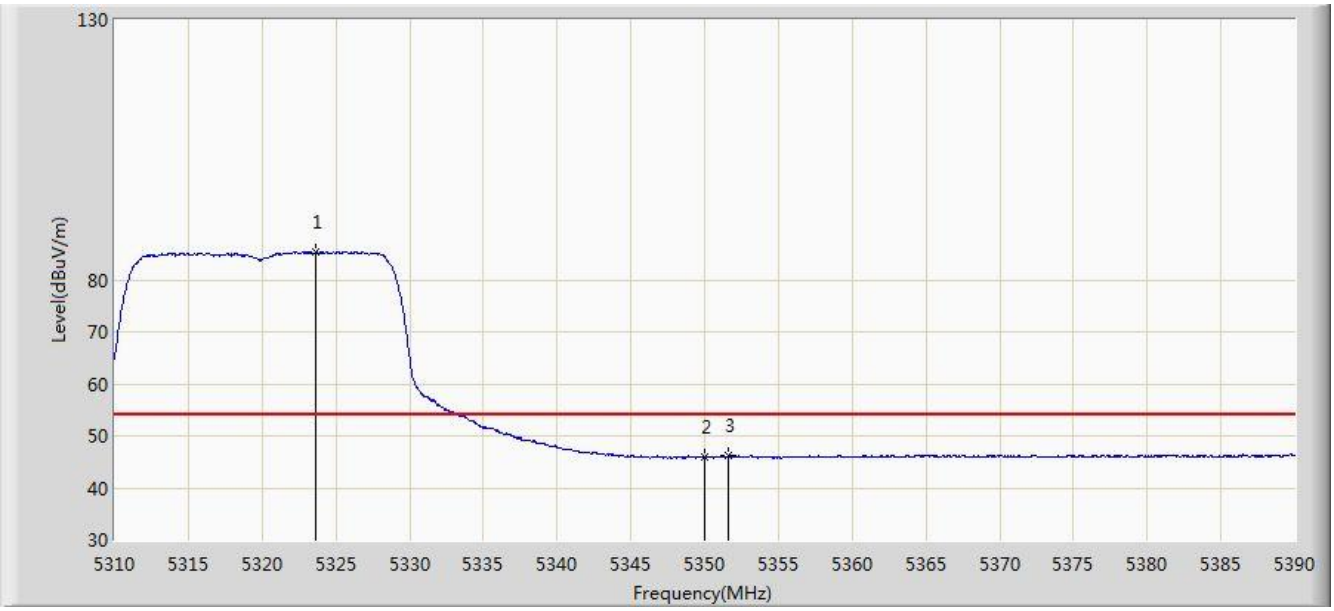


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.280	96.163	89.845	N/A	N/A	6.318	PK
2			5350.000	57.151	50.691	-16.849	74.000	6.460	PK
3			5352.800	59.668	53.195	-14.332	74.000	6.473	PK

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: 2018/03/23 - 02:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Ant 0	

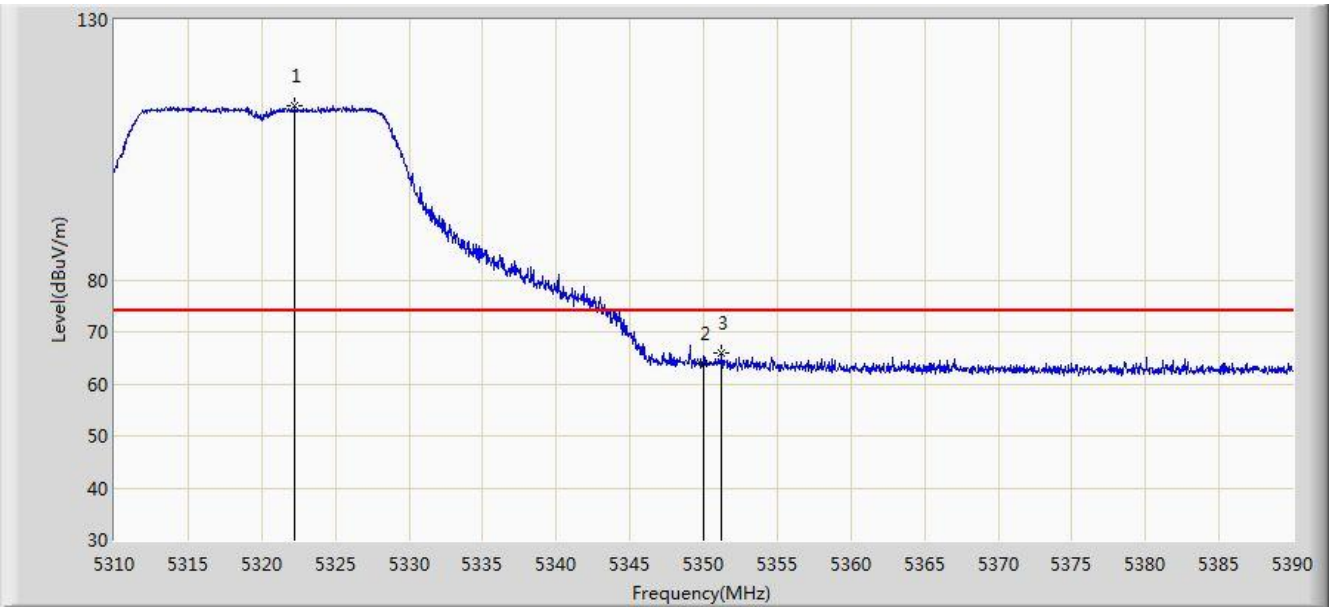


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5323.640	85.386	79.072	N/A	N/A	6.314	AV
2			5350.000	45.890	39.430	-8.110	54.000	6.460	AV
3			5351.640	46.195	39.726	-7.805	54.000	6.469	AV

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: 2018/03/23 - 02:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Ant 0	

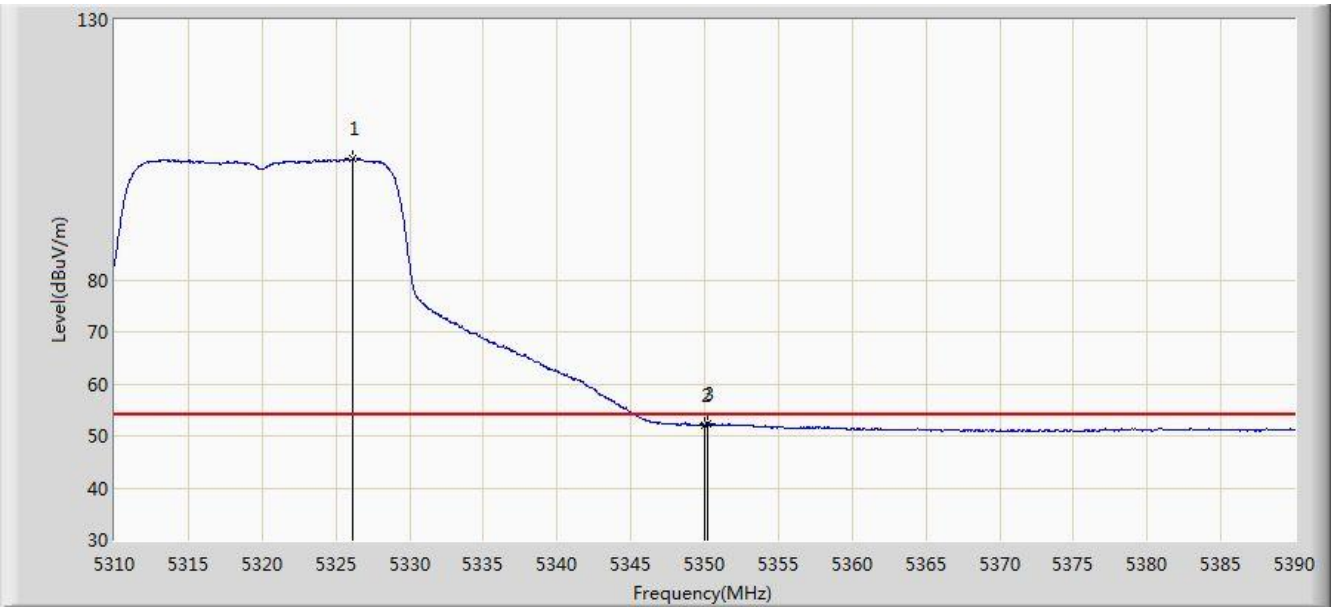


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.240	113.513	107.207	N/A	N/A	6.306	PK
2			5350.000	63.847	57.387	-10.153	74.000	6.460	PK
3			5351.200	65.969	59.503	-8.031	74.000	6.467	PK

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: 2018/03/23 - 02:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz, Ant 0	

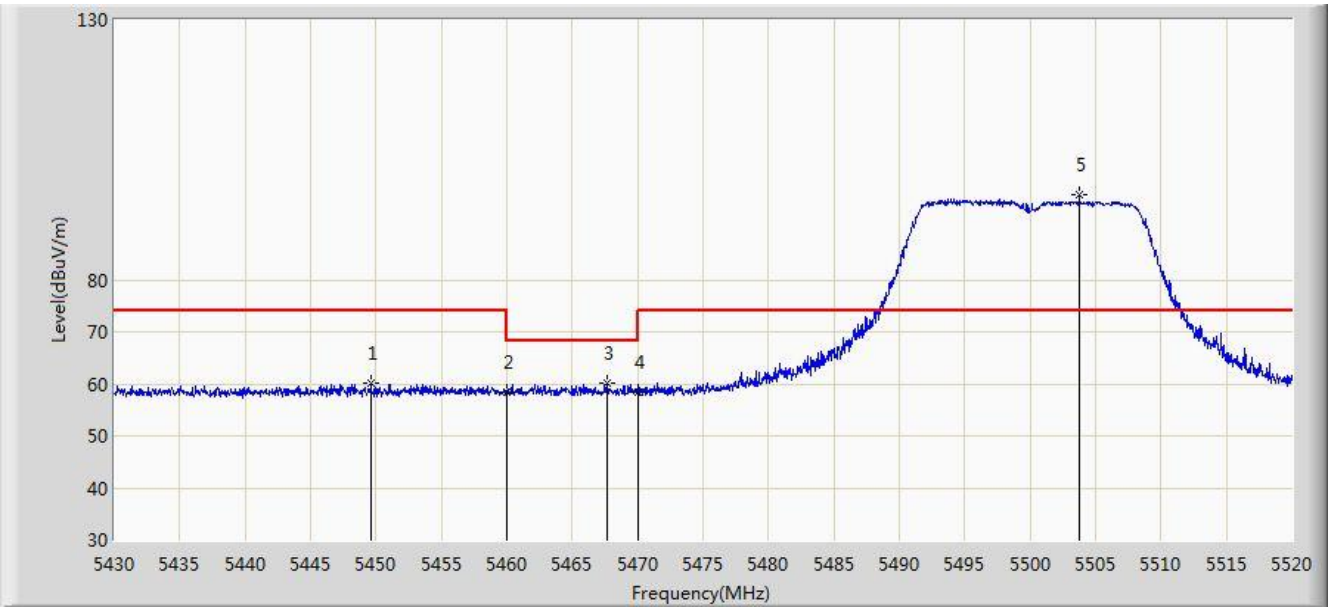


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5326.160	103.338	97.009	N/A	N/A	6.328	AV
2			5350.000	52.148	45.688	-1.852	54.000	6.460	AV
3			5350.160	52.255	45.794	-1.745	54.000	6.460	AV

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: 2018/03/23 - 02:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Ant 0	

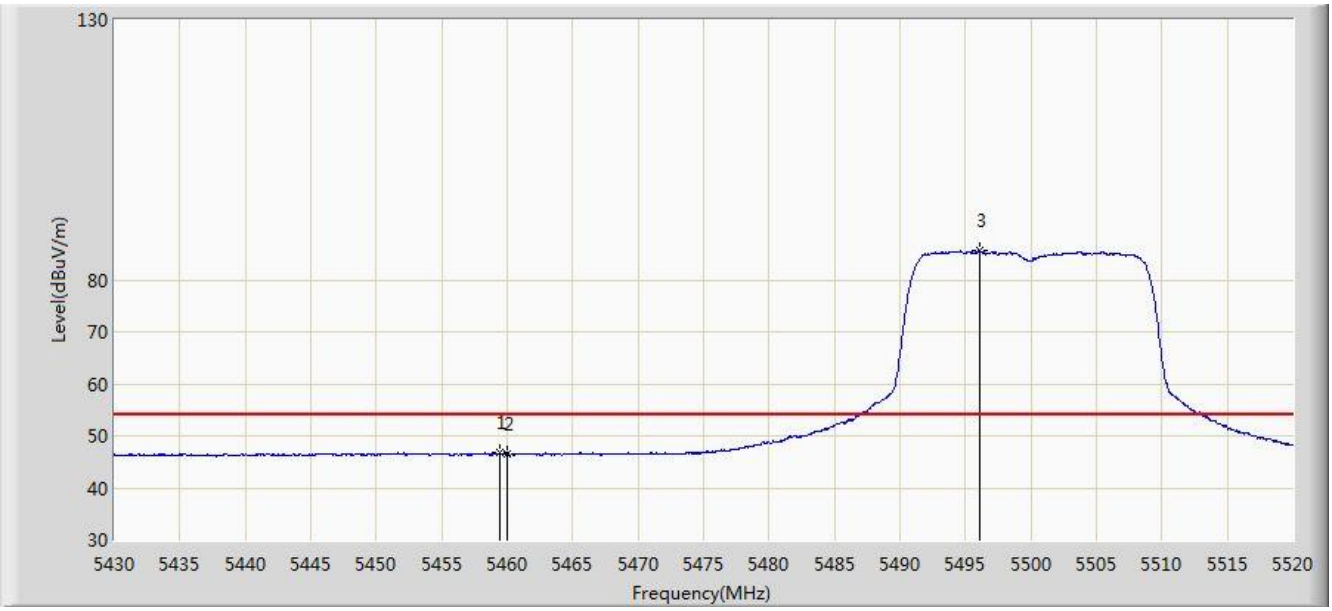


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.620	60.103	53.362	-13.897	74.000	6.741	PK
2			5460.000	58.477	51.675	-15.523	74.000	6.802	PK
3			5467.710	60.008	53.173	-8.192	68.200	6.835	PK
4			5470.000	58.280	51.435	-9.920	68.200	6.845	PK
5		*	5503.755	96.284	89.471	N/A	N/A	6.812	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: 2018/03/23 - 02:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Ant 0	

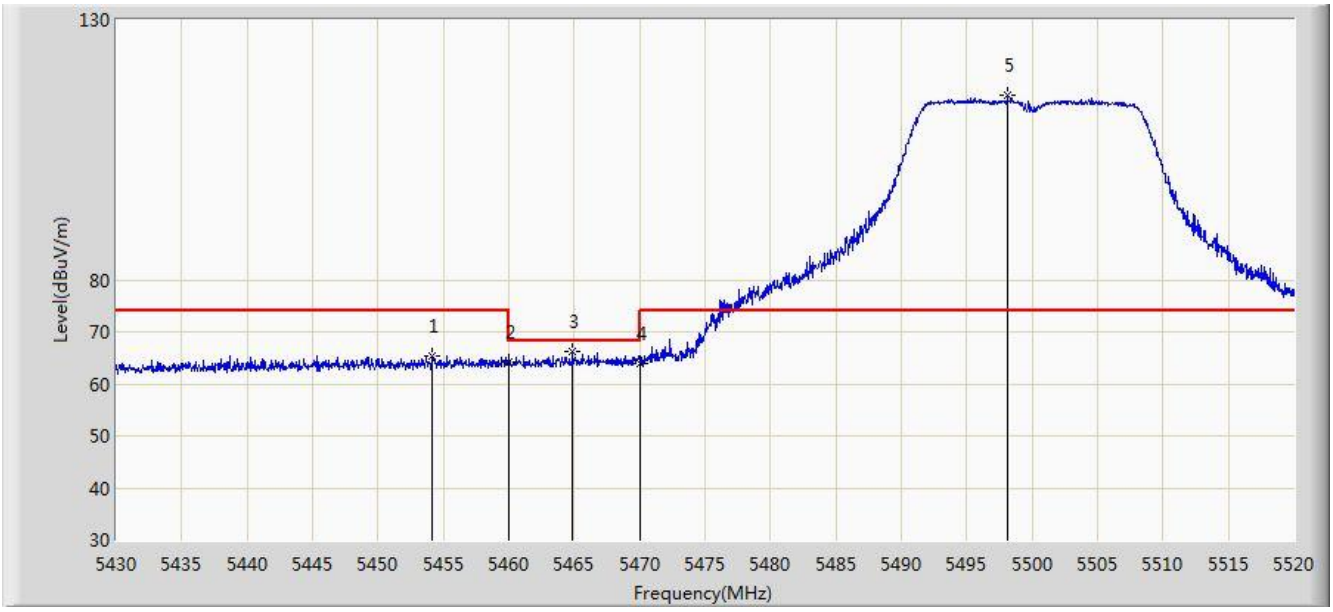


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.475	46.697	39.898	-7.303	54.000	6.799	AV
2			5460.000	46.435	39.633	-7.565	54.000	6.802	AV
3		*	5496.060	85.597	78.771	N/A	N/A	6.826	AV

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: 2018/03/23 - 02:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Ant 0	

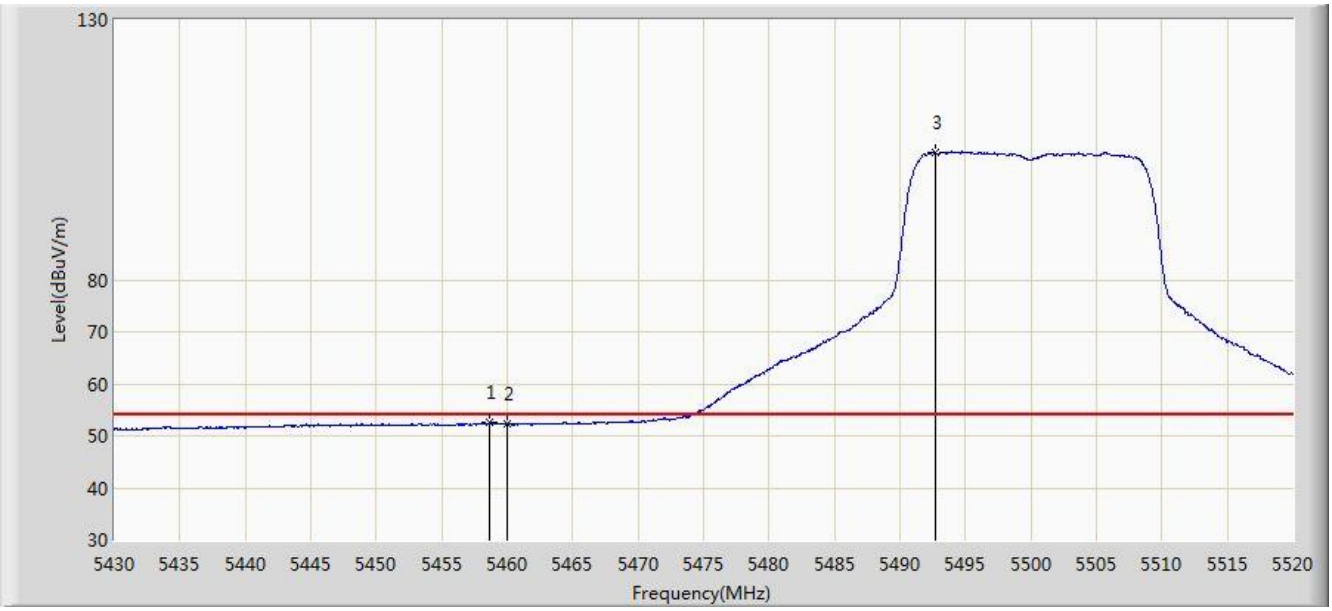


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.120	65.336	58.561	-8.664	74.000	6.775	PK
2			5460.000	64.284	57.482	-9.716	74.000	6.802	PK
3			5464.875	66.302	59.479	-1.898	68.200	6.823	PK
4			5470.000	64.011	57.166	-4.189	68.200	6.845	PK
5		*	5498.130	115.593	108.771	N/A	N/A	6.822	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: 2018/03/23 - 02:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz, Ant 0	

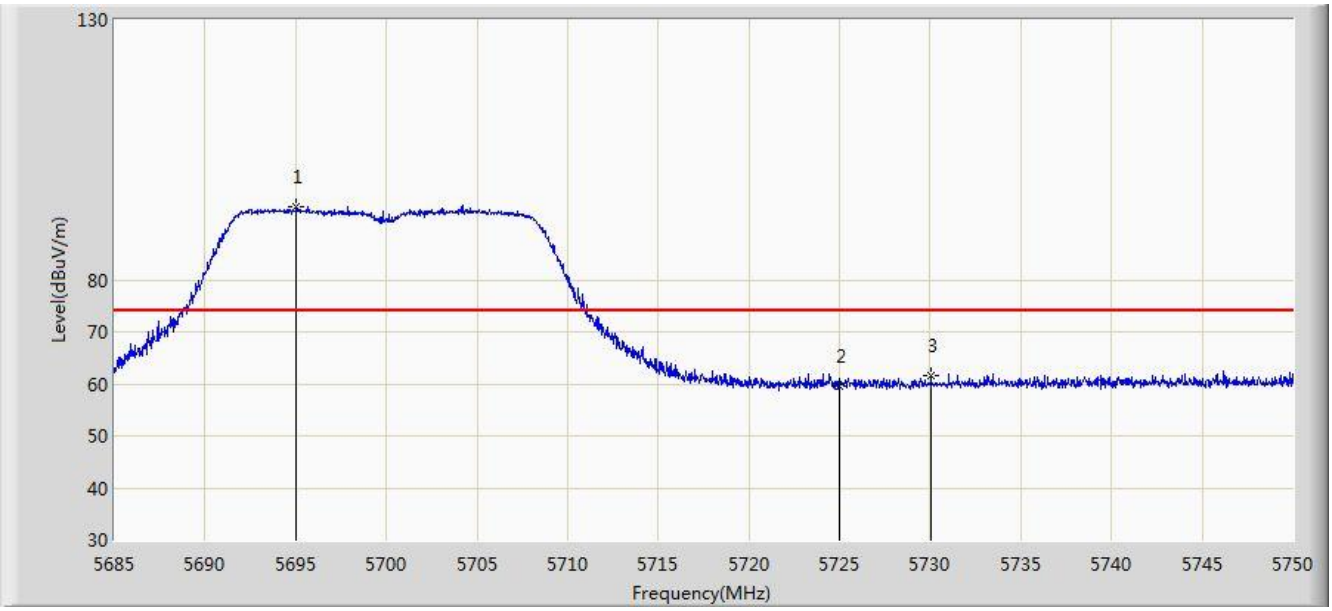


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.665	52.588	45.792	-1.412	54.000	6.796	AV
2			5460.000	52.326	45.524	-1.674	54.000	6.802	AV
3		*	5492.685	104.614	97.782	N/A	N/A	6.832	AV

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: 2018/03/23 - 03:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Ant 0	

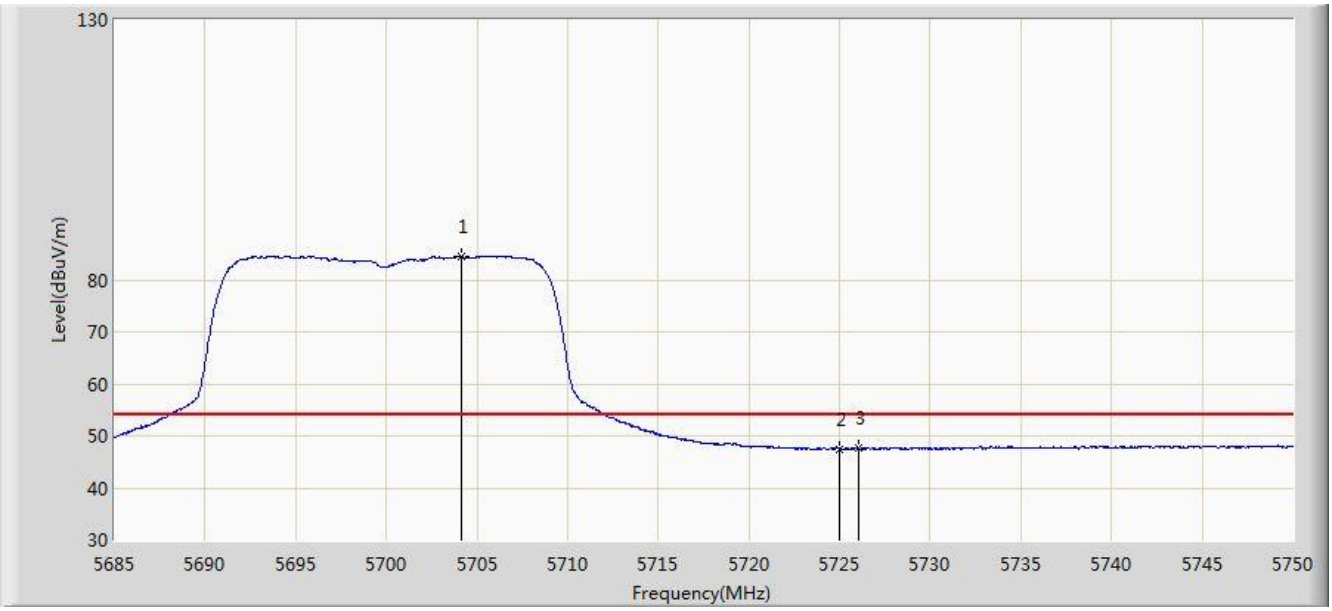


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.042	94.126	86.994	N/A	N/A	7.131	PK
2			5725.000	59.425	52.097	-14.575	74.000	7.328	PK
3			5730.045	61.703	54.352	-12.297	74.000	7.351	PK

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: 2018/03/23 - 03:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Ant 0	

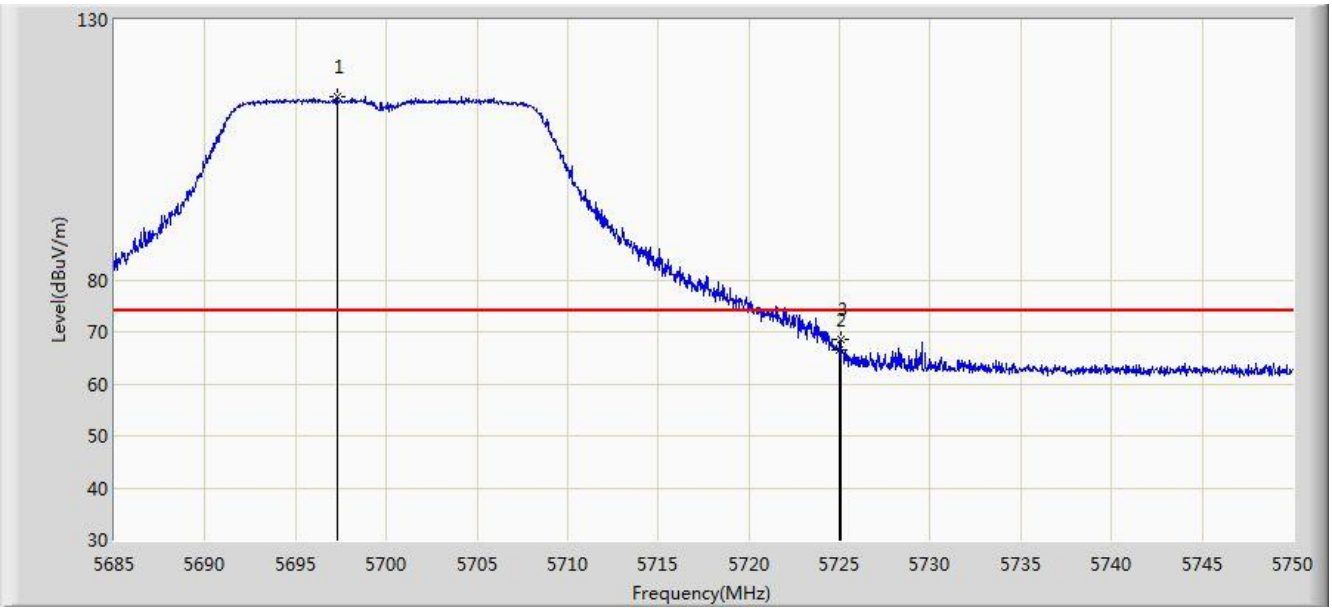


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5704.175	84.611	77.415	N/A	N/A	7.196	AV
2			5725.000	47.508	40.180	-6.492	54.000	7.328	AV
3			5726.015	47.767	40.433	-6.233	54.000	7.334	AV

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: 2018/03/23 - 03:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Ant 0	

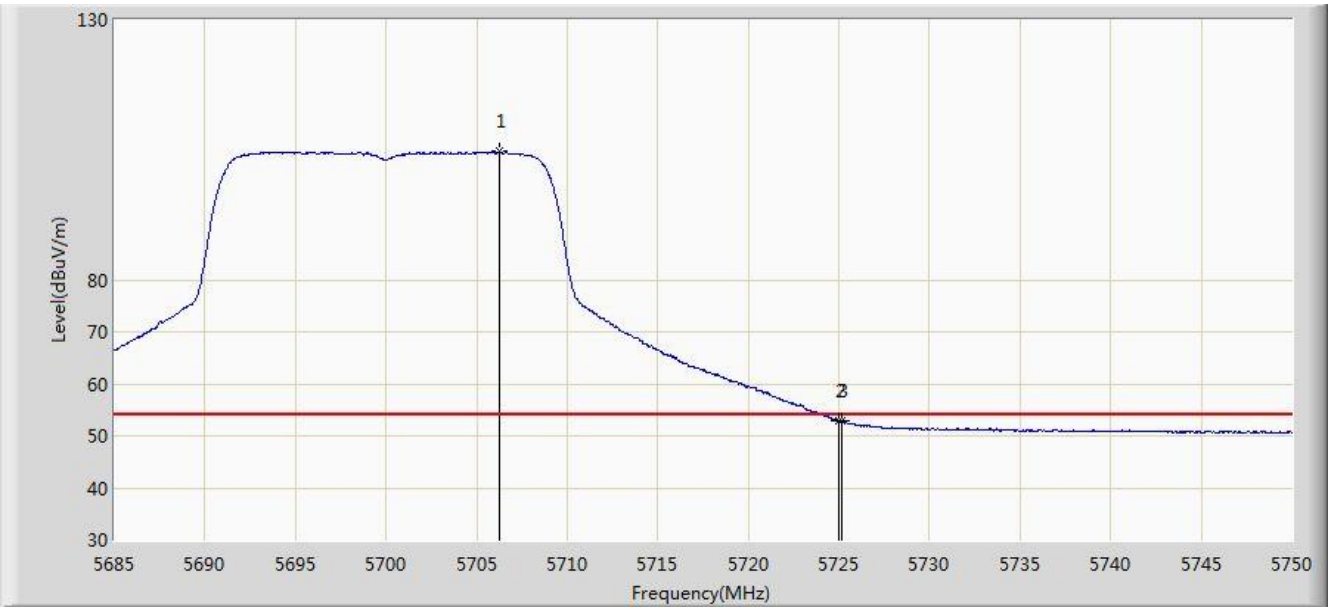


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.285	115.135	107.988	N/A	N/A	7.147	PK
2			5725.000	66.569	59.241	-7.431	74.000	7.328	PK
3			5725.040	68.420	61.092	-5.580	74.000	7.328	PK

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: 2018/03/23 - 03:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz, Ant 0	

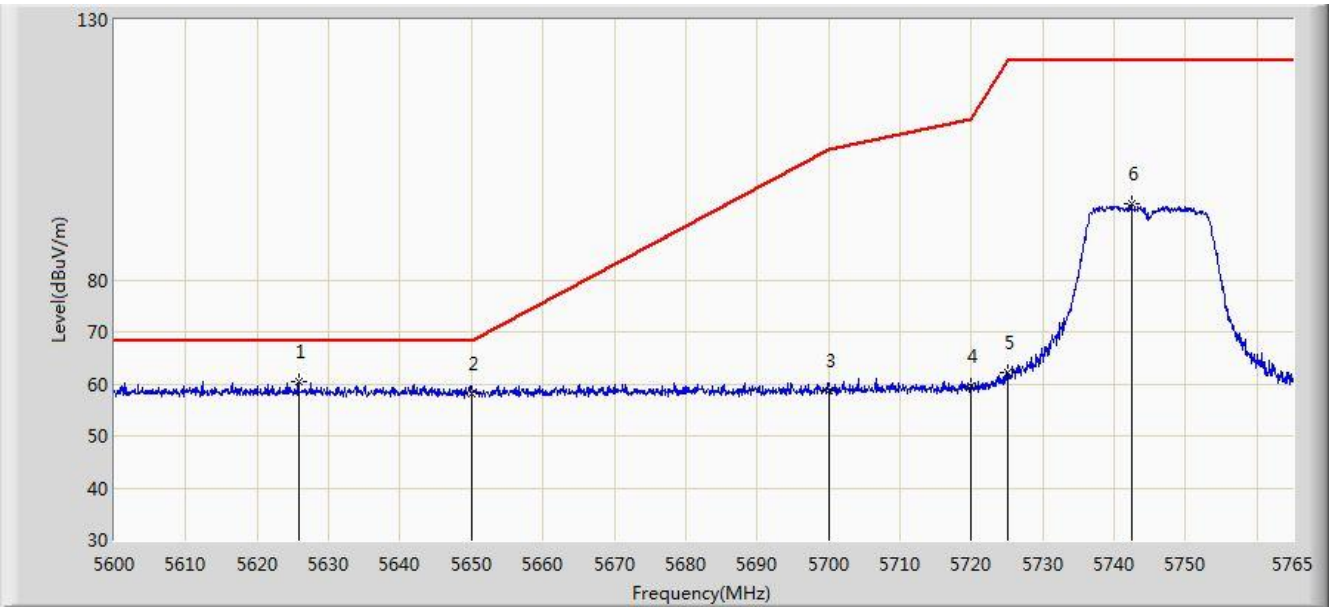


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5706.255	104.674	97.460	N/A	N/A	7.214	AV
2			5725.000	52.947	45.619	-1.053	54.000	7.328	AV
3			5725.138	53.041	45.712	-0.959	54.000	7.328	AV

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: 2018/03/23 - 03:13
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz, Ant 0	

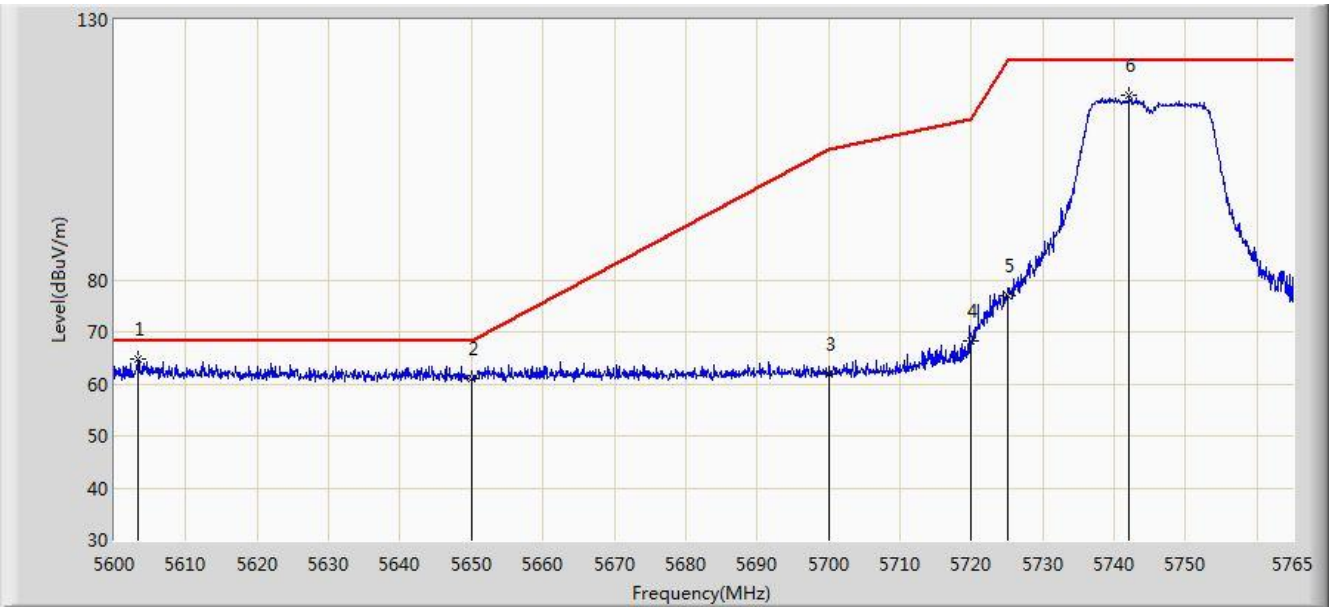


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5625.822	60.323	53.311	-7.877	68.200	7.012	PK
2			5650.000	57.976	50.971	-10.224	68.200	7.005	PK
3			5700.000	58.556	51.391	-46.644	105.200	7.165	PK
4			5720.000	59.465	52.166	-51.335	110.800	7.299	PK
5			5725.000	62.063	54.735	-60.137	122.200	7.328	PK
6			5742.395	94.496	87.095	N/A	N/A	7.401	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: 2018/03/23 - 03:10
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz, Ant 0	

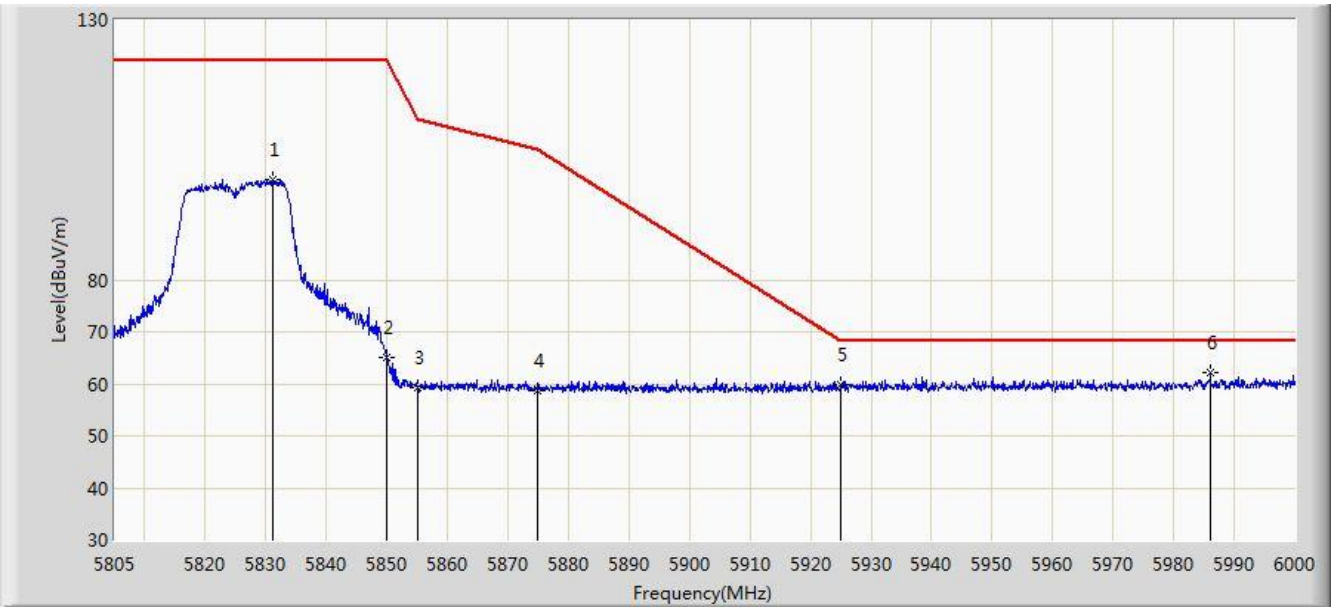


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5603.382	64.780	57.800	-3.420	68.200	6.980	PK
2			5650.000	61.140	54.135	-7.060	68.200	7.005	PK
3			5700.000	61.959	54.794	-43.241	105.200	7.165	PK
4			5720.000	68.249	60.950	-42.551	110.800	7.299	PK
5			5725.000	76.952	69.624	-45.248	122.200	7.328	PK
6			5742.147	115.428	108.028	N/A	N/A	7.399	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: 2018/03/23 - 03:18
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz, Ant 0	

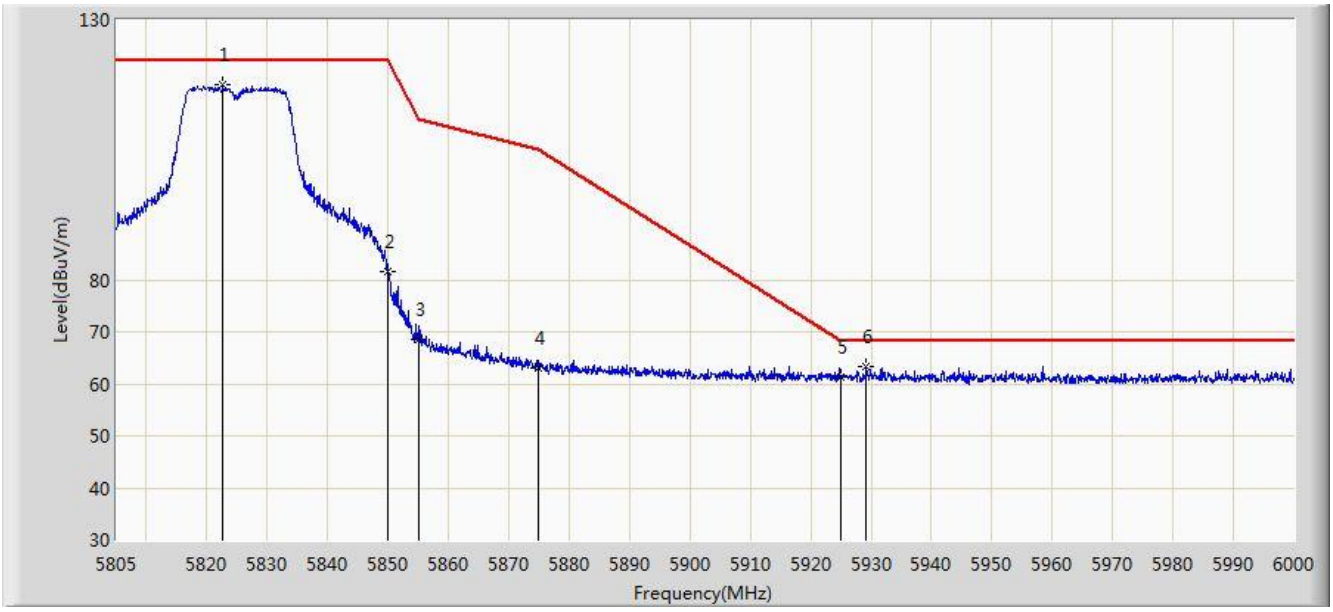


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5831.228	99.343	91.652	N/A	N/A	7.691	PK
2			5850.000	65.040	57.267	-57.160	122.200	7.774	PK
3			5855.000	59.292	51.516	-51.508	110.800	7.775	PK
4			5875.000	58.786	50.968	-46.414	105.200	7.818	PK
5			5925.000	59.756	51.937	-8.444	68.200	7.819	PK
6		*	5986.058	62.163	54.249	-6.037	68.200	7.915	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: 2018/03/23 - 03:16
Limit: FCC_Part15.407_RE(3m)_Bandedge	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz, Ant 0	

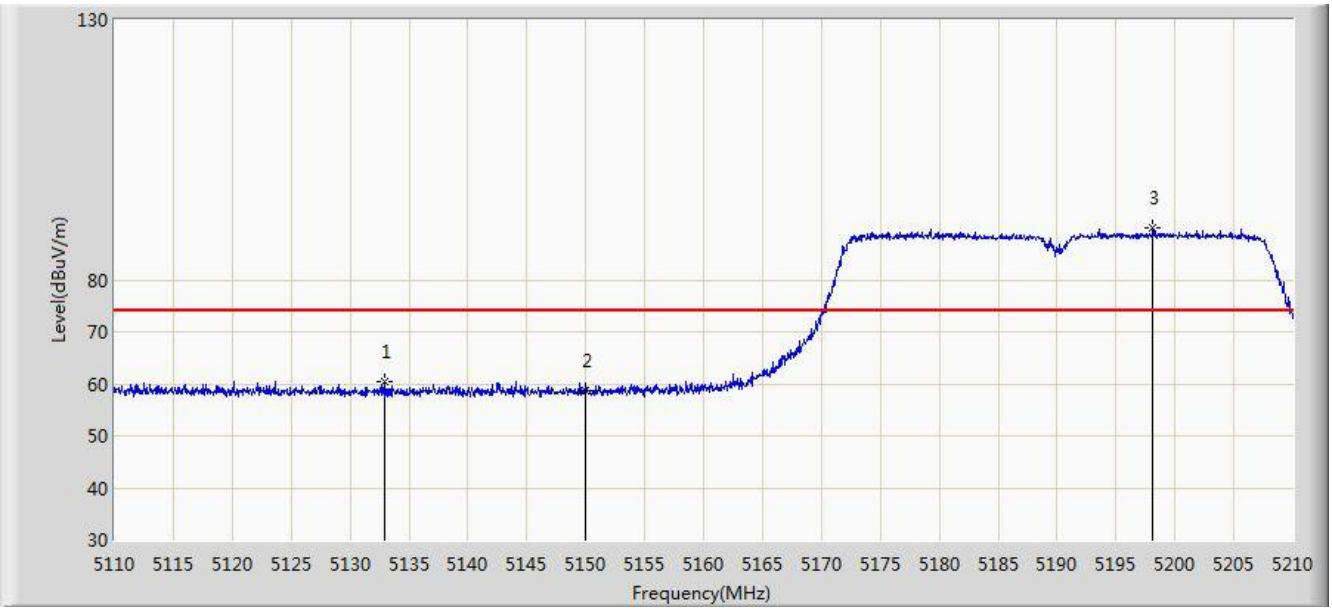


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5822.647	117.449	109.801	N/A	N/A	7.647	PK
2			5850.000	81.700	73.927	-40.500	122.200	7.774	PK
3			5855.000	68.600	60.824	-42.200	110.800	7.775	PK
4			5875.000	63.169	55.351	-42.031	105.200	7.818	PK
5			5925.000	61.423	53.604	-6.777	68.200	7.819	PK
6			5929.118	63.345	55.523	-4.855	68.200	7.822	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: 2018/03/23 - 03:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Ant 0	

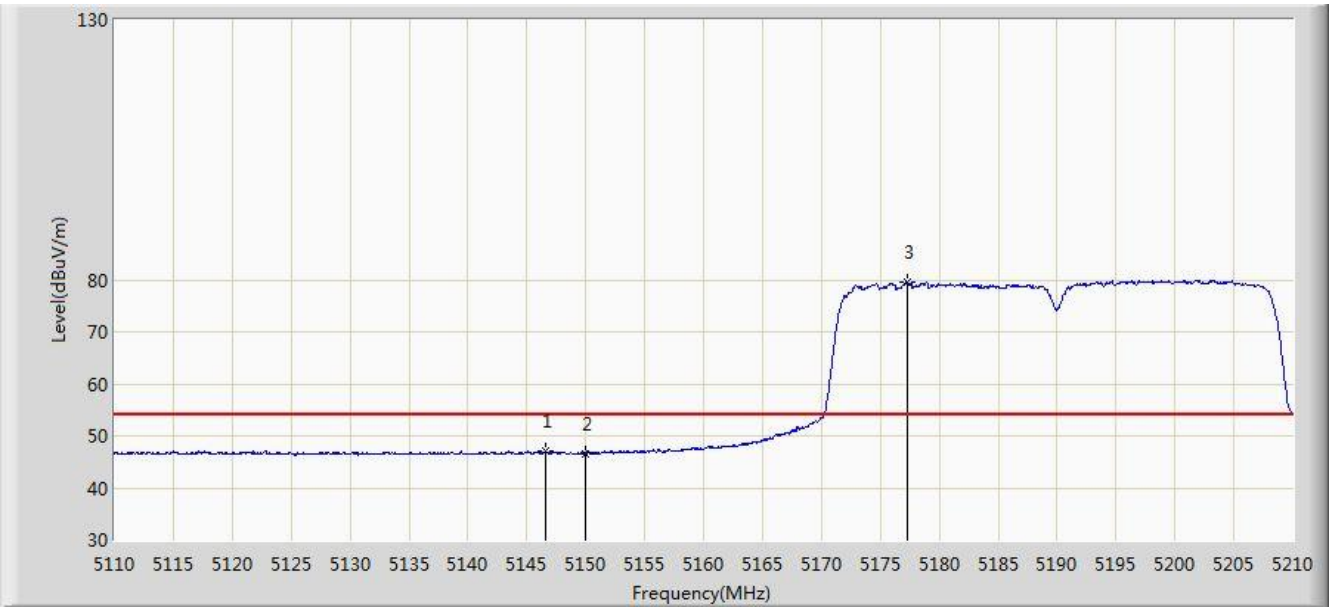


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5132.900	60.341	53.697	-13.659	74.000	6.643	PK
2			5150.000	58.760	52.198	-15.240	74.000	6.562	PK
3		*	5198.100	90.140	83.804	N/A	N/A	6.336	PK

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: 2018/03/23 - 03:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Ant 0	

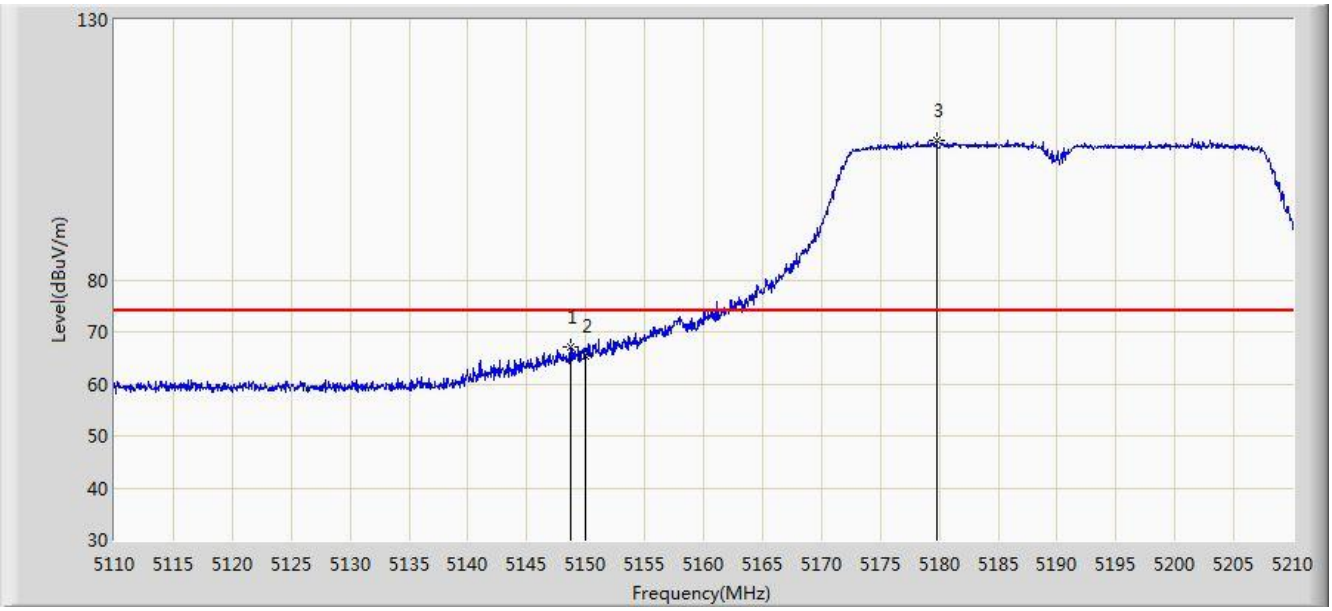


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.600	47.068	40.501	-6.932	54.000	6.567	AV
2			5150.000	46.639	40.077	-7.361	54.000	6.562	AV
3		*	5177.250	79.595	73.129	N/A	N/A	6.467	AV

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: 2018/03/23 - 03:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Ant 0	

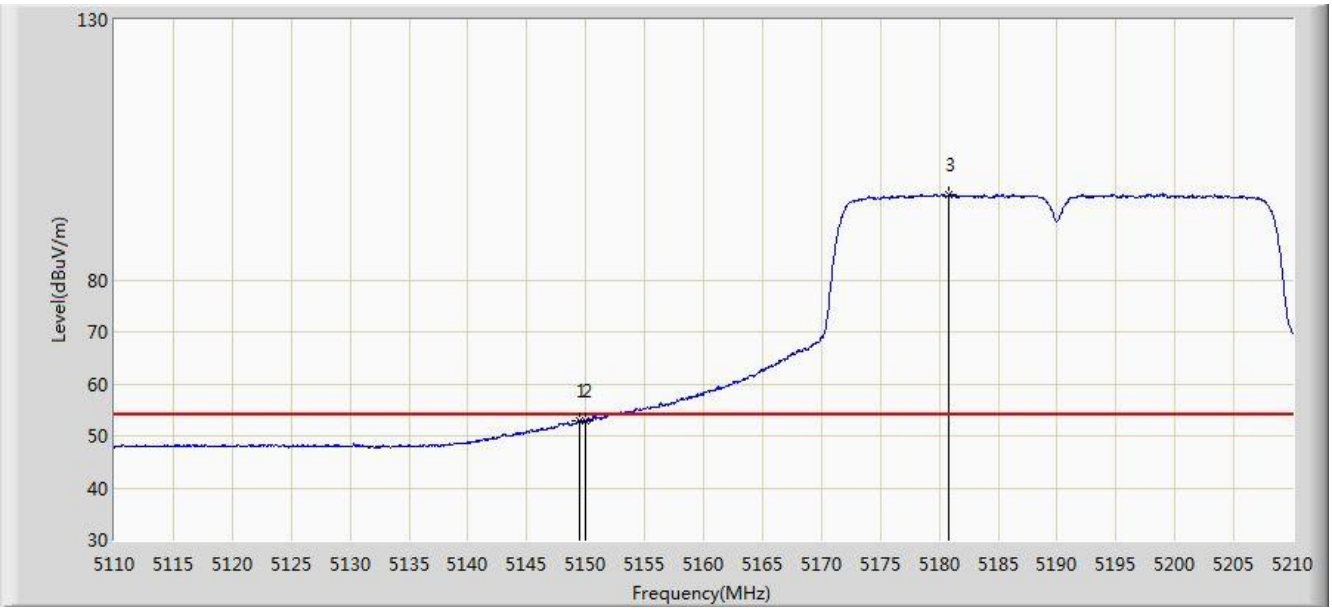


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.700	66.995	60.435	-7.005	74.000	6.560	PK
2			5150.000	65.371	58.809	-8.629	74.000	6.562	PK
3		*	5179.800	106.956	100.510	N/A	N/A	6.446	PK

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: 2018/03/23 - 03:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz, Ant 0	

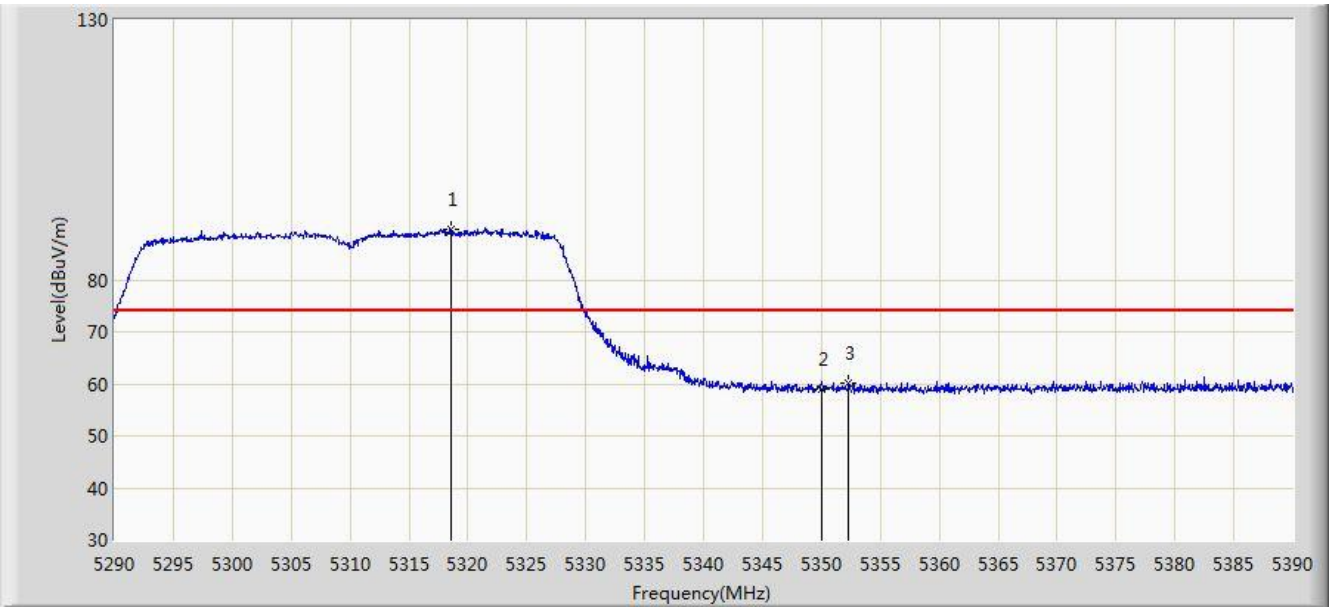


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.500	52.846	46.285	-1.154	54.000	6.561	AV
2			5150.000	52.824	46.262	-1.176	54.000	6.562	AV
3		*	5180.800	96.384	89.946	N/A	N/A	6.437	AV

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: 2018/03/23 - 04:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Ant 0	

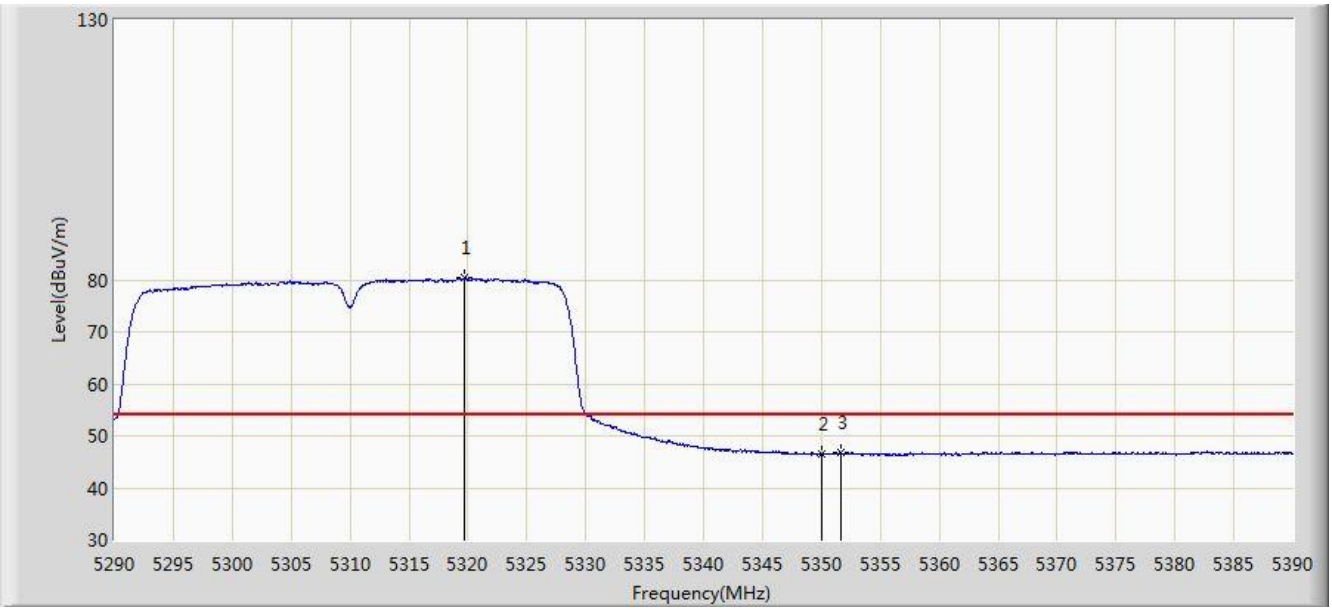


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.600	89.800	83.514	N/A	N/A	6.285	PK
2			5350.000	58.889	52.429	-15.111	74.000	6.460	PK
3			5352.300	60.204	53.732	-13.796	74.000	6.471	PK

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: 2018/03/23 - 04:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Ant 0	

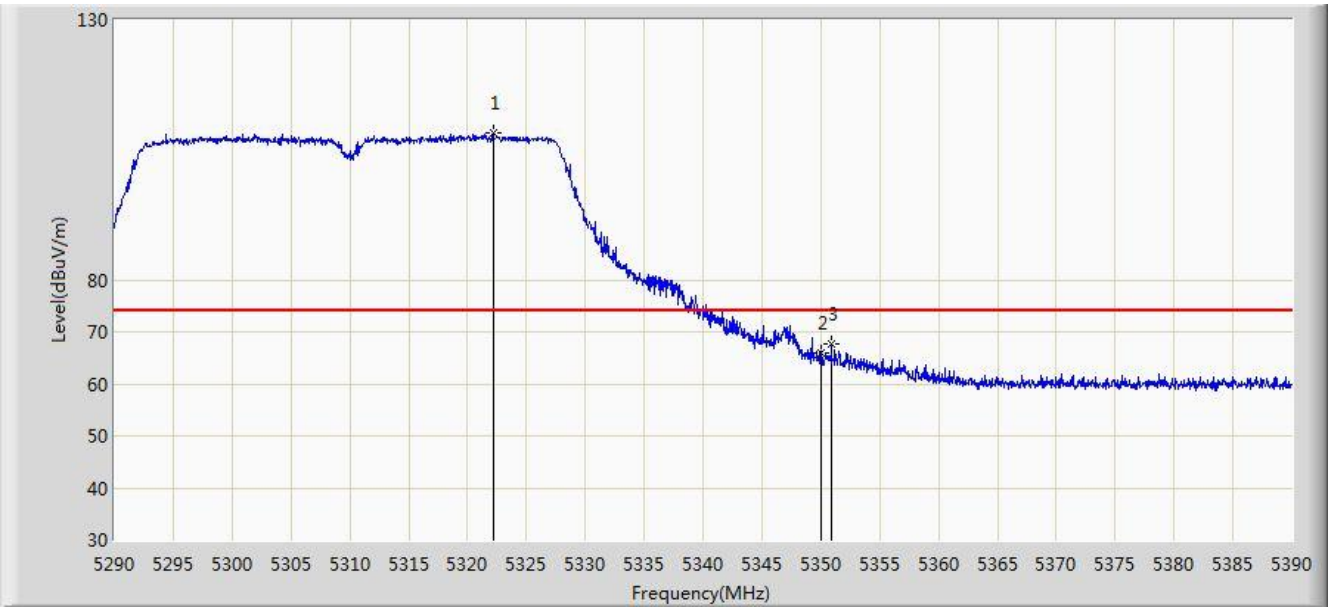


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.700	80.385	74.093	N/A	N/A	6.291	AV
2			5350.000	46.474	40.014	-7.526	54.000	6.460	AV
3			5351.650	46.782	40.313	-7.218	54.000	6.469	AV

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: 2018/03/23 - 04:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Ant 0	

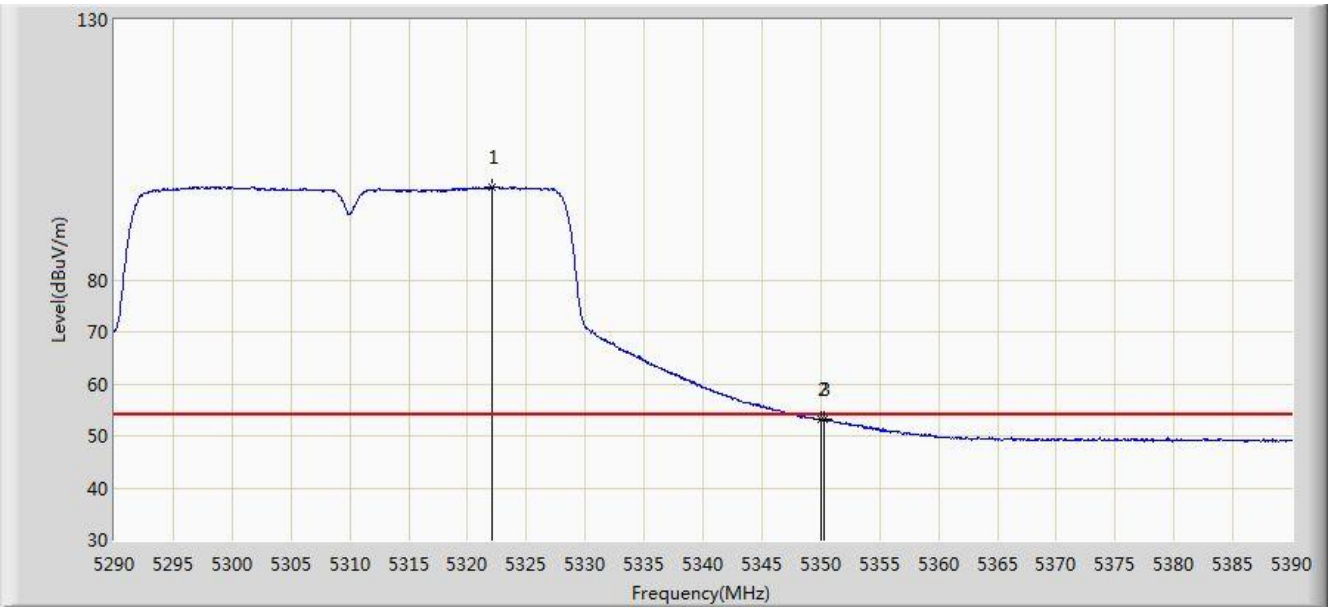


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.200	108.186	101.880	N/A	N/A	6.306	PK
2			5350.000	65.929	59.469	-8.071	74.000	6.460	PK
3			5350.900	67.606	61.141	-6.394	74.000	6.465	PK

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: 2018/03/23 - 04:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz, Ant 0	

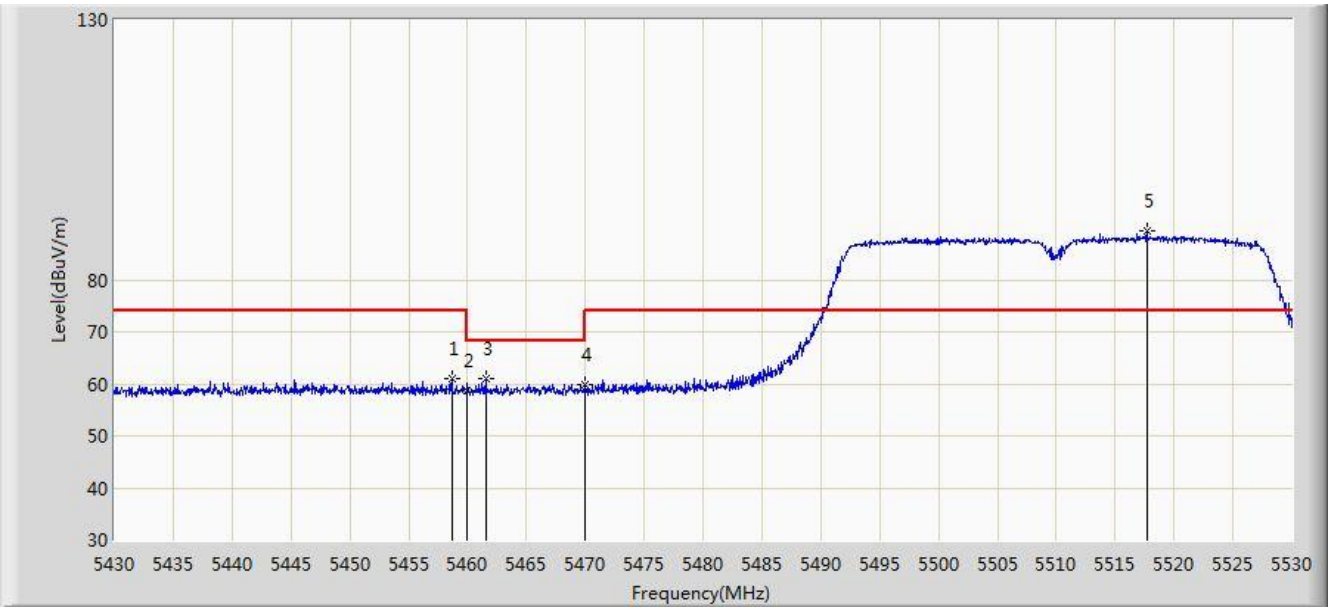


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.050	97.856	91.551	N/A	N/A	6.305	AV
2			5350.000	53.102	46.642	-0.898	54.000	6.460	AV
3			5350.250	53.251	46.790	-0.749	54.000	6.461	AV

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: 2018/03/23 - 04:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz, Ant 0	

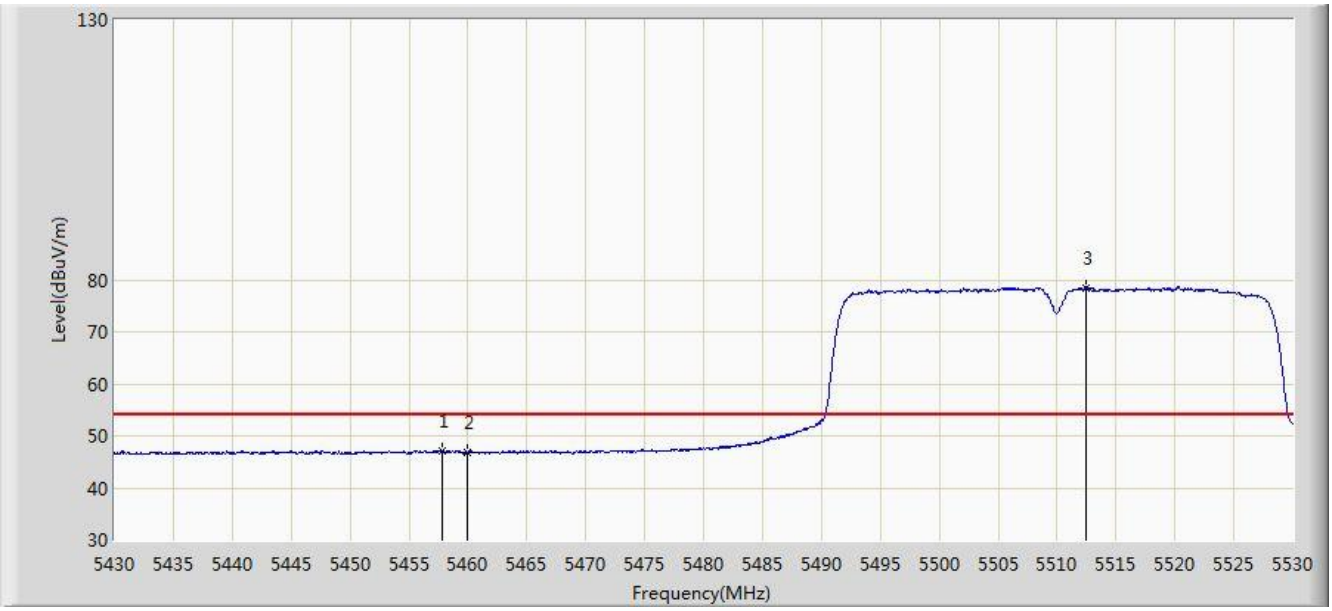


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.650	60.949	54.153	-13.051	74.000	6.796	PK
2			5460.000	58.631	51.829	-15.369	74.000	6.802	PK
3			5461.550	61.049	54.241	-7.151	68.200	6.809	PK
4			5470.000	59.744	52.899	-8.456	68.200	6.845	PK
5		*	5517.700	89.278	82.465	N/A	N/A	6.813	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: 2018/03/23 - 04:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 802.11ac Dual Band Module	Power: DC 3.3V
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz, Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5457.850	47.229	40.437	-6.771	54.000	6.793	AV
2			5460.000	46.861	40.059	-7.139	54.000	6.802	AV
3		*	5512.450	78.539	71.727	N/A	N/A	6.812	AV

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

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