



MEASUREMENT REPORT

FCC PART 15.247 / RSS-247 WLAN 802.11b/g/n

Report No.: YTC21113001-NJLZ-002-2

Report Version: V01

Issue Date: 01-10-2022

Applicant: Wallys Communications(SuZhou)Co.,LTD
Address: Room 2723,Le Jia building,Jia Rui Xiang No.8, Suzhou
Industrial Park, Suzhou, P.R. China
FCC ID: 2AG7VDR600VX
IC: 26861-DR600VX
Application Type: Certification
Product: Dual Band 11AC Wireless Module
Model No.: DR600VX, DR600VX-M
Trade Mark: /
FCC Classification: Digital Transmission System (DTS)
FCC Rule Part(s): Part 15 Subpart C (15.247)
IC Rule(s): RSS-247 Issue 2, RSS-GEN Issue 5
Test Procedure(s): ANSI C63.10-2013, KDB 558074 D01v05r02
Test Date: Dec 16 ~ Dec 26, 2021

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The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 558074 D01. Test results reported herein relate only to the item(s) tested.

The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by A2LA or any agency of the Government.

The test report shall not be reproduced except in full without the written approval of YTC Corporation.

Revision History

Report No.	Version	Description	Issue Date
YTC21113001-NJLZ-002-2	Rev. 01	/	01-10-2022

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§2.1033 General Information

Applicant:	Wallys Communications(SuZhou)Co.,LTD
Applicant Address:	Room 2723,Le Jia building,Jia Rui Xiang No.8, Suzhou Industrial Park, Suzhou, P.R. China
Manufacturer:	Wallys Communications(SuZhou)Co.,LTD
Manufacturer Address:	Room 2723,Le Jia building,Jia Rui Xiang No.8, Suzhou Industrial Park, Suzhou, P.R. China
Factory:	Wallys Communications(SuZhou)Co.,LTD
Factory Address:	Room 2723,Le Jia building,Jia Rui Xiang No.8, Suzhou Industrial Park, Suzhou, P.R. China
Test Site:	JIANGSU YANGTZE TESTING, CERTIFICATION AND INSPECTION CORPORATION
Test Site Address:	No.6-3, Xingzhi Road, Xingzhi Technology Park Xingang Economic Development Zone Nanjing City, Jiangsu Province, 210046, People's Republic of China
CAB ID:	CN0084
Test Device Serial No.:	☐ Production ☒ Pre-Production ☐ Engineering
FCC Classification:	Digital Transmission System (DTS)

1. INTRODUCTION

1.1. Scope

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

1.2. YTC Corporation Location

We, **YTC Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited/ accepted (audited or listed) by the following related bodies in compliance with ISO 17025 and specified testing scope:

USA : FCC, A2LA

The address and introduction of YTC Corporation's laboratories can be founded in our Web site: www.njjszx.com

If you have any comments, Please don't hesitate to contact us.

2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name:	Dual Band 11AC Wireless Module
Model Name:	DR600VX
Additional Model:	DR600VX-M
Model Description:	The differences of them are as follows: Model name.
Input Voltage Range:	DC 3.3V
Wi-Fi Specification:	802.11b/g/n-HT20/ n-HT40

2.2. Product Specification Subjective to this Report

Frequency Range:	802.11b/g/n-HT20: 2412 ~ 2462MHz 802.11n-HT40: 2422 ~ 2452MHz
Channel Number:	802.11b/g/n-HT20: 11 802.11n-HT40:7
Type of Modulation:	802.11b: DSSS 802.11g/n: OFDM
Data Rate:	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: MCS0~MCS7
Antenna Type:	Dual band Dipole Antenna
Antenna Gain:	2dBi

2.3. Operation Frequency / Channel List

802.11b/g/n-HT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz
04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz
10	2457 MHz	11	2462 MHz	--	--

802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2422 MHz	02	2427 MHz	03	2432 MHz
04	2437 MHz	05	2442 MHz	06	2447 MHz
07	2452 MHz	--	--	--	--

2.4. Description of Available Antennas

Antenna	Frequency Band (GHz)	Product Number	Tx Paths
Dipole antenna	2.4	DRDPA1209	2
	5		2

Antenna	Frequency Band (MHz)	Tx Paths	Per Chain Max Antenna Gain (dBi)		Beam Forming Directional Gain (dBi)	CDD Directional Gain (dBi)	
			Ant 0	Ant 1		For Power	For PSD
DRDPA1209	2412 ~2462	2	2	2	Nonsupport	2	5
	5150 ~ 5250	2	2	2	Nonsupport	2	5
	5725 ~ 5850	2	2	2	Nonsupport	2	5

Note:

Unequal Antenna gains, with equal transmit powers. For Antenna gains given by $G_1, G_2, \dots, G_N$ dBi transmit signals are correlated, then

- Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}]$ dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]
- Directional Gain = $10 \cdot \log[(10^{2/20} + 10^{2/20})^2 / 2] = 5$ dBi

2.5. Device Capabilities

This device contains the following capabilities:

2.4GHz WLAN (DTS)

Note: 2.4GHz WLAN (DTS) operation is possible in 20MHz&40MHz channel bandwidths. The maximum achievable duty cycle was determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz. The RBW and VBW were both greater than $50/T$, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are 100%.

2.6. Description of Test Software

The test utility software used during testing was “artgui”, and the power setting value is 11.

2.7. Test Mode

Test Mode	Mode 1: Transmit by 802.11b Ant 1
	Mode 2: Transmit by 802.11g Ant 1
	Mode 3: Transmit by 802.11n-HT20 Ant 1
	Mode 4: Transmit by 802.11n-HT40 Ant 1
	Mode 5: Transmit by 802.11b Ant 2
	Mode 6: Transmit by 802.11g Ant 2
	Mode 7: Transmit by 802.11n-HT20 Ant 2
	Mode 8: Transmit by 802.11n-HT40 Ant 2
	Mode 9: Transmit by 802.11b Ant 1+ Ant 2
	Mode 10: Transmit by 802.11g Ant 1+ Ant 2
	Mode 11: Transmit by 802.11n-HT20 Ant 1+ Ant 2
	Mode 12: Transmit by 802.11n-HT40 Ant 1+ Ant 2

2.8. Test Configuration

The EUT was tested per the guidance of KDB 558074 D01 v05r02. 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.

2.10. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase.

However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

RSP-100 Issue 11 Section 3

The manufacturer, importer or distributor shall meet the labelling requirements set out in this section for every unit:

- (i) prior to marketing in Canada, for products manufactured in Canada
- (ii) prior to importation into Canada, for imported products

For information regarding the e-labelling option, see Notice 2014-DRS1003. The label for the certified product represents the manufacturer's or importer's compliance with Innovation, Science and Economic Development Canada's (ISED) regulatory requirements.

Please see attachment for IC label and label location.

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 558074 D01 v05r02 were used in the measurement of the EUT.

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. The 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 1-25GHz 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. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the **Dual Band 11AC Wireless Module** uses a unique connector.

Antenna Type	Antenna Connector Type
Dual band Dipole Antenna	IPEX connector

5. TEST EQUIPMENT CALIBRATION DATE

Radiated Emission

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Bi-Log Antenna	R&S	HL562E	FWXGJC-2016-267-06	1 year	2022/03/30
Broadband Horn Antenna	R&S	HF907	FWXGJC-2016-267-07	1 year	2022/03/30
EMI Receiver	R&S	ESR26	FWXGJC-2016-267-01	1 year	2022/11/26
Pre-Amplifier	R&S	SCU-18D	FWXGJC-2016-267-05	1 year	2022/12/12
SHF-EHF Horn Antenna	Schwarzbeck	BBHA 9170	FWXGJC-2018-016	1 year	2022/06/04
EXA Signal Analyzer	Keysight	N9010B	FWXGJC-2018-010	1 year	2022/05/30
Thermohygrometer	Yuhuaze	HTC-1	FWXDA-2016-386	1 year	2022/12/27
Anechoic Chamber	Aimuke	EMCCT-3	FWXGJC-2016-270	3 year	2023/04/07

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	Keysight	N9010B	FWXGJC-2018-010	1 year	2022/05/30
RF Control Unit	Toncend	JS0806-2	FWXGJC-2018-013	1 year	2022/08/12
Thermohygrometer	Yuhuaze	HTC-1	FWXDA-2016-385	1 year	2022/12/27

Test Software	Manufacturer	Version	Asset No.	Function
EMI Test Software	tonscend	/	/	/

6. MEASUREMENT UNCERTAINTY

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

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 1.28dB
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 2.72dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 30MHz-1GHz: 1.00 dB 1GHz-26.5GHz: 1.30 dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.60dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.80dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2Uc(y)$): 0.20MHz

7. TEST RESULT

7.1. Summary

FCC Part Section(s)	RSS Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.247(a)(2)	RSS-247 [5.2]	6dB Bandwidth	$\geq 500\text{kHz}$	Conducted	Pass	Section 7.2
15.247(b)(3)	RSS-247 [5.4]	Output Power	$\leq 30\text{dBm}$		Pass	Section 7.3
15.247(e)	RSS-247 [5.2]	Power Spectral Density	$\leq 8\text{dBm}/3\text{kHz}$		Pass	Section 7.4
15.247(d)	RSS-247 [5.5]	Band Edge	$\geq 20\text{dBc}$		Pass	Section 7.5
15.247(d)	RSS-247 [5.5]	Out-of-Band Emissions	$\geq 20\text{dBc}$		Pass	Section 7.6
15.205 15.209	RSS GEN [8.9]	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209 (RSS GEN [8.9])	Radiated	Pass	Section 7.7
15.207	RSS GEN [8.8]	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits (RSS GEN [8.8])	AC Line Conducted	N/A	Section 7.8

Notes:

- 1) All modes of operation and data rates were investigated. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables and attenuators.

7.2. 6dB Bandwidth Measurement

7.2.1. Test Limit

The minimum permissible 6dB bandwidth is 500 kHz.

7.2.2. Test Procedure used

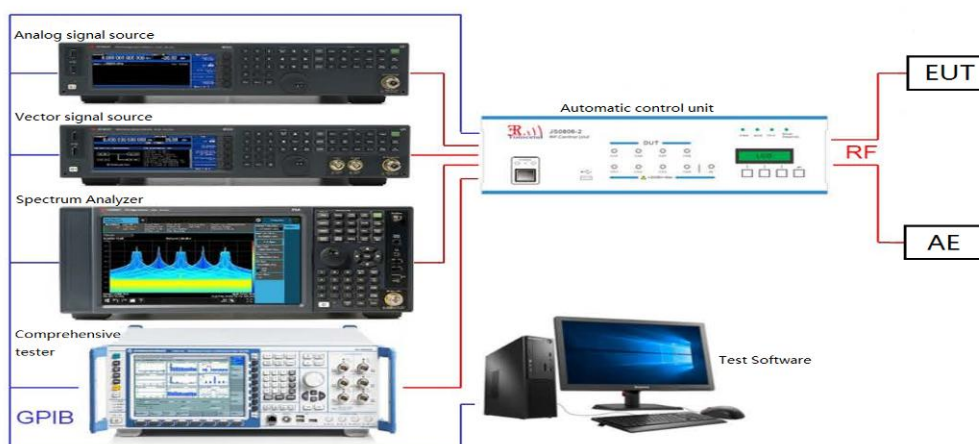
ANSI C63.10-2013 Section 11.8.2 Option 1

KDB 558074 D01 v05r02 – Section 8.2

7.2.3. Test Setting

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

7.2.4. Test Setup



7.2.5. Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	99%BW [MHz]	Verdict
11B	Ant1	2412	10.160	2406.880	2417.040	0.5	13.887	PASS
	Ant2	2412	10.160	2406.880	2417.040	0.5	13.923	PASS
	Ant1	2437	10.160	2431.880	2442.040	0.5	13.839	PASS
	Ant2	2437	10.160	2431.880	2442.040	0.5	13.831	PASS
	Ant1	2462	10.160	2456.880	2467.040	0.5	13.851	PASS
	Ant2	2462	10.160	2456.880	2467.040	0.5	13.882	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	16.856	PASS
	Ant2	2412	16.400	2403.760	2420.160	0.5	16.901	PASS
	Ant1	2437	16.400	2428.760	2445.160	0.5	16.886	PASS
	Ant2	2437	16.400	2428.760	2445.160	0.5	16.861	PASS
	Ant1	2462	16.400	2453.760	2470.160	0.5	16.806	PASS
	Ant2	2462	16.400	2453.760	2470.160	0.5	16.815	PASS
11N20SISO	Ant1	2412	17.360	2403.400	2420.760	0.5	17.953	PASS
	Ant2	2412	17.440	2403.360	2420.800	0.5	17.978	PASS
	Ant1	2437	17.360	2428.400	2445.760	0.5	17.925	PASS
	Ant2	2437	17.360	2428.400	2445.760	0.5	17.922	PASS
	Ant1	2462	17.600	2453.160	2470.760	0.5	18.000	PASS
	Ant2	2462	17.600	2453.160	2470.760	0.5	17.958	PASS
11N40SISO	Ant1	2422	35.840	2404.320	2440.160	0.5	36.434	PASS
	Ant2	2422	35.600	2404.320	2439.920	0.5	36.409	PASS
	Ant1	2437	35.600	2419.320	2454.920	0.5	36.338	PASS
	Ant2	2437	35.440	2419.320	2454.760	0.5	36.383	PASS
	Ant1	2452	35.600	2434.000	2469.600	0.5	36.408	PASS
	Ant2	2452	35.520	2434.320	2469.840	0.5	36.326	PASS
11B-CDD	Ant1	2412	10.160	2406.880	2417.040	0.5	13.836	PASS
	Ant2	2412	10.160	2406.880	2417.040	0.5	13.914	PASS
	Ant1	2437	10.160	2431.880	2442.040	0.5	13.860	PASS
	Ant2	2437	10.160	2431.880	2442.040	0.5	13.853	PASS
	Ant1	2462	10.160	2456.880	2467.040	0.5	13.874	PASS
	Ant2	2462	10.160	2456.880	2467.040	0.5	13.881	PASS
11G-CDD	Ant1	2412	16.400	2403.760	2420.160	0.5	16.852	PASS
	Ant2	2412	16.400	2403.760	2420.160	0.5	16.791	PASS
	Ant1	2437	16.400	2428.760	2445.160	0.5	16.859	PASS

	Ant2	2437	16.400	2428.760	2445.160	0.5	16.755	PASS
	Ant1	2462	16.400	2453.760	2470.160	0.5	16.882	PASS
	Ant2	2462	16.400	2453.760	2470.160	0.5	16.711	PASS
11N20MIMO	Ant1	2412	17.360	2403.400	2420.760	0.5	17.937	PASS
	Ant2	2412	17.360	2403.400	2420.760	0.5	17.989	PASS
	Ant1	2437	17.360	2428.400	2445.760	0.5	17.952	PASS
	Ant2	2437	17.000	2428.760	2445.760	0.5	18.009	PASS
	Ant1	2462	17.240	2453.160	2470.400	0.5	17.922	PASS
	Ant2	2462	16.640	2453.760	2470.400	0.5	17.869	PASS
11N40MIMO	Ant1	2422	35.840	2404.320	2440.160	0.5	36.327	PASS
	Ant2	2422	35.840	2404.320	2440.160	0.5	36.535	PASS
	Ant1	2437	35.280	2419.320	2454.600	0.5	36.343	PASS
	Ant2	2437	35.840	2419.320	2455.160	0.5	36.631	PASS
	Ant1	2452	35.280	2434.320	2469.600	0.5	36.421	PASS
	Ant2	2452	35.200	2434.400	2469.600	0.5	36.436	PASS

Note1: Test Plots see Appendix A1&A2.

7.3. Output Power Measurement

7.3.1. Test Limit

The maximum peak conducted output power is 1 Watt (FCC).

The maximum peak conducted output power shall not exceed 1 W, The e.i.r.p. shall not exceed 4 W (IC).

7.3.2. Test Procedure Used

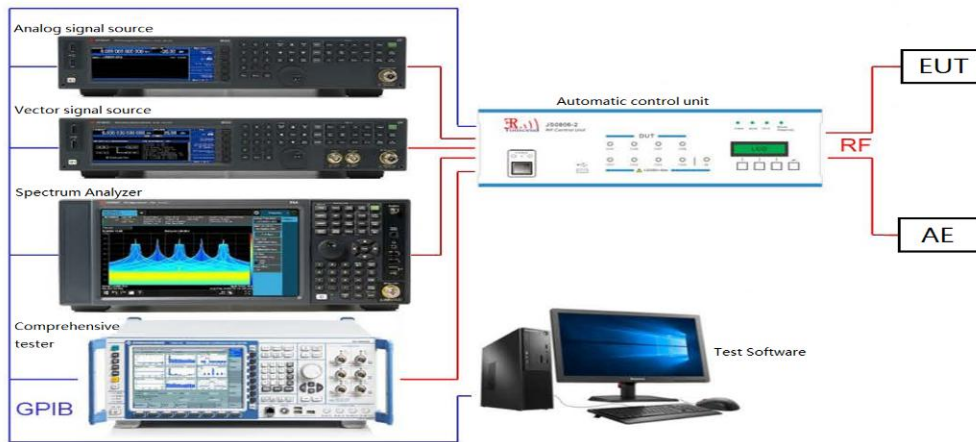
ANSI C63.10-2013 – Section 11.9.1.2

KDB 558074 D01 v05r02 – Section 8.3.1.2

7.3.3. Test Setting

- 1.Set the RBW = 1 MHz.
- 2.Set the VBW $\geq [3 \times \text{RBW}]$.
- 3.Set the span $\geq [1.5 \times \text{DTS bandwidth}]$.
- 4.Detector = peak.
- 5.Sweep time = auto couple.
- 6.Trace mode = max hold.
- 7.Allow trace to fully stabilize.

7.3.4. Test Setup



7.3.5. Test Result of Output Power/E.I.R.P

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

N _{TX}	Data Rate (Mbps)	
	802.11b	802.11g
1	1	6
1	2	9
1	5.5	12
1	11	18
1	--	24
1	--	36
1	--	48
1	--	54

N _{TX}	MCS Index for 802.11n	Data Rate (Mbps)			
		20MHz Bandwidth		40MHz Bandwidth	
		800ns GI	400ns GI	800ns GI	400ns GI
1	0	6.5	7.2	13.5	15.0
1	1	13.0	14.4	27.0	30.0
1	2	19.5	21.7	40.5	45.0
1	3	26.0	28.9	54.0	60.0
1	4	39.0	43.3	81.0	90.0
1	5	52.0	57.8	108.0	120.0
1	6	58.5	65.0	121.5	135.0
1	7	65.0	72.2	135.0	150.0

Note: Power output test was verified over all data rates of each mode shown as above, and then choose the maximum power output (yellow marker) for final test of each channel.

Test Mode	Antenna	Channel	Power	Limit[dBm]	E.I.R.P	Limit[dBm]	Verdict
11B	Ant1	2412	15.62	≤30	17.62	≤36	PASS
	Ant2	2412	15.02	≤30	17.02	≤36	PASS
	Ant1	2437	15.63	≤30	17.63	≤36	PASS
	Ant2	2437	14.53	≤30	16.53	≤36	PASS
	Ant1	2462	14.94	≤30	16.94	≤36	PASS
	Ant2	2462	13.88	≤30	15.88	≤36	PASS
11G	Ant1	2412	14.89	≤30	16.89	≤36	PASS
	Ant2	2412	14.47	≤30	16.47	≤36	PASS
	Ant1	2437	15.09	≤30	17.09	≤36	PASS
	Ant2	2437	13.91	≤30	15.91	≤36	PASS
	Ant1	2462	14.30	≤30	16.3	≤36	PASS
	Ant2	2462	13.23	≤30	15.23	≤36	PASS
11N20SISO	Ant1	2412	14.85	≤30	16.85	≤36	PASS
	Ant2	2412	14.33	≤30	16.33	≤36	PASS
	Ant1	2437	15.00	≤30	17	≤36	PASS
	Ant2	2437	13.72	≤30	15.72	≤36	PASS
	Ant1	2462	14.33	≤30	16.33	≤36	PASS
	Ant2	2462	13.07	≤30	15.07	≤36	PASS
11N40SISO	Ant1	2422	14.67	≤30	16.67	≤36	PASS
	Ant2	2422	14.95	≤30	16.95	≤36	PASS
	Ant1	2437	14.73	≤30	16.73	≤36	PASS
	Ant2	2437	14.30	≤30	16.3	≤36	PASS
	Ant1	2452	14.40	≤30	16.4	≤36	PASS
	Ant2	2452	13.99	≤30	15.99	≤36	PASS
11B-CDD	Ant1	2412	14.39	≤30	16.39	≤36	PASS
	Ant2	2412	14.83	≤30	16.83	≤36	PASS
	total	2412	17.6	≤30	19.6	≤36	PASS
	Ant1	2437	14.31	≤30	16.31	≤36	PASS
	Ant2	2437	14.24	≤30	16.24	≤36	PASS
	total	2437	17.3	≤30	19.3	≤36	PASS
	Ant1	2462	13.43	≤30	15.43	≤36	PASS
	Ant2	2462	13.31	≤30	15.31	≤36	PASS
	total	2462	16.4	≤30	18.4	≤36	PASS
11G-CDD	Ant1	2412	14.06	≤30	16.06	≤36	PASS
	Ant2	2412	15.11	≤30	17.11	≤36	PASS
	total	2412	17.6	≤30	19.6	≤36	PASS

	Ant1	2437	14.17	≤ 30	16.17	≤ 36	PASS
	Ant2	2437	14.37	≤ 30	16.37	≤ 36	PASS
	total	2437	17.3	≤ 30	19.3	≤ 36	PASS
	Ant1	2462	13.33	≤ 30	15.33	≤ 36	PASS
	Ant2	2462	13.48	≤ 30	15.48	≤ 36	PASS
	total	2462	16.4	≤ 30	18.4	≤ 36	PASS
11N20MIMO	Ant1	2412	14.07	≤ 30	16.07	≤ 36	PASS
	Ant2	2412	14.80	≤ 30	16.8	≤ 36	PASS
	total	2412	17.5	≤ 30	19.5	≤ 36	PASS
	Ant1	2437	14.11	≤ 30	16.11	≤ 36	PASS
	Ant2	2437	13.90	≤ 30	15.9	≤ 36	PASS
	total	2437	17.0	≤ 30	19.0	≤ 36	PASS
	Ant1	2462	13.30	≤ 30	15.3	≤ 36	PASS
	Ant2	2462	12.98	≤ 30	14.98	≤ 36	PASS
	total	2462	16.2	≤ 30	18.2	≤ 36	PASS
11N40MIMO	Ant1	2422	13.87	≤ 30	15.87	≤ 36	PASS
	Ant2	2422	14.36	≤ 30	16.36	≤ 36	PASS
	total	2422	17.1	≤ 30	19.1	≤ 36	PASS
	Ant1	2437	13.60	≤ 30	15.6	≤ 36	PASS
	Ant2	2437	13.74	≤ 30	15.74	≤ 36	PASS
	total	2437	16.7	≤ 30	18.7	≤ 36	PASS
	Ant1	2452	13.34	≤ 30	15.34	≤ 36	PASS
	Ant2	2452	13.28	≤ 30	15.28	≤ 36	PASS
	total	2452	16.3	≤ 30	18.3	≤ 36	PASS

Note1: Test Plots see Appendix B.

7.4. Power Spectral Density Measurement

7.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

7.4.2. Test Procedure Used

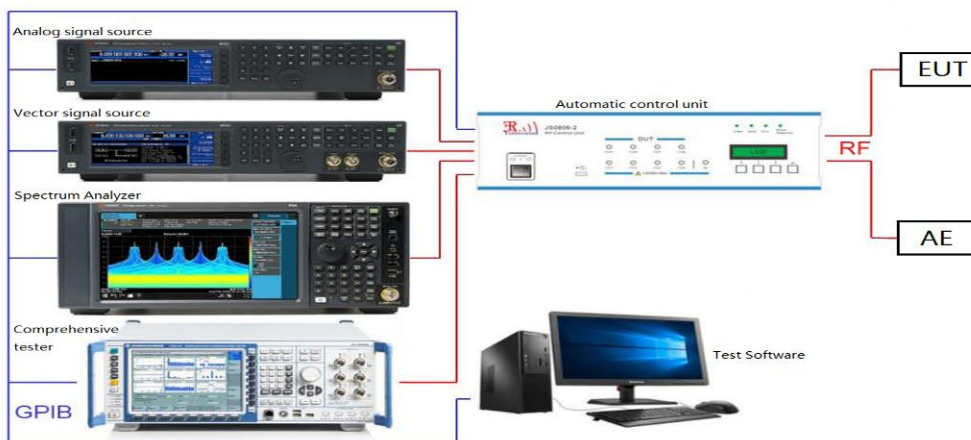
KDB 558074 D01 v05r02 - Section 8.4

ANSI C63.10 – Section 11.10.2

7.4.3. Test Setting

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq [3 \times \text{RBW}]$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.

7.4.4. Test Setup



7.4.5. Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.28	≤8	PASS
	Ant2	2412	-4.99	≤8	PASS
	Ant1	2437	-4.62	≤8	PASS
	Ant2	2437	-5.21	≤8	PASS
	Ant1	2462	-5.45	≤8	PASS
	Ant2	2462	-6.03	≤8	PASS
11G	Ant1	2412	-10.8	≤8	PASS
	Ant2	2412	-11.88	≤8	PASS
	Ant1	2437	-9.9	≤8	PASS
	Ant2	2437	-12.19	≤8	PASS
	Ant1	2462	-12.03	≤8	PASS
	Ant2	2462	-12.27	≤8	PASS
11N20SISO	Ant1	2412	-12.01	≤8	PASS
	Ant2	2412	-11.23	≤8	PASS
	Ant1	2437	-11.58	≤8	PASS
	Ant2	2437	-11.67	≤8	PASS
	Ant1	2462	-12.52	≤8	PASS
	Ant2	2462	-13.91	≤8	PASS
11N40SISO	Ant1	2422	-14.79	≤8	PASS
	Ant2	2422	-13.56	≤8	PASS
	Ant1	2437	-14.08	≤8	PASS
	Ant2	2437	-14.58	≤8	PASS
	Ant1	2452	-14.42	≤8	PASS
	Ant2	2452	-14.72	≤8	PASS
11B-CDD	Ant1	2412	-5.52	≤8	PASS
	Ant2	2412	-5.64	≤8	PASS
	total	2412	-2.57	≤8	PASS
	Ant1	2437	-5.52	≤8	PASS
	Ant2	2437	-5.71	≤8	PASS
	total	2437	-2.60	≤8	PASS
	Ant1	2462	-7.13	≤8	PASS
	Ant2	2462	-7.5	≤8	PASS
	total	2462	-4.30	≤8	PASS
11G-CDD	Ant1	2412	-11.45	≤8	PASS

	Ant2	2412	-11.3	≤8	PASS
	total	2412	-8.36	≤8	PASS
	Ant1	2437	-11.95	≤8	PASS
	Ant2	2437	-11.68	≤8	PASS
	total	2437	-8.80	≤8	PASS
	Ant1	2462	-13.24	≤8	PASS
	Ant2	2462	-13.1	≤8	PASS
	total	2462	-10.16	≤8	PASS
11N20MIMO	Ant1	2412	-12.59	≤8	PASS
	Ant2	2412	-10.95	≤8	PASS
	total	2412	-8.68	≤8	PASS
	Ant1	2437	-11.88	≤8	PASS
	Ant2	2437	-11.82	≤8	PASS
	total	2437	-8.84	≤8	PASS
	Ant1	2462	-13.81	≤8	PASS
	Ant2	2462	-12.73	≤8	PASS
	total	2462	-10.23	≤8	PASS
11N40MIMO	Ant1	2422	-14.12	≤8	PASS
	Ant2	2422	-14.76	≤8	PASS
	total	2422	-11.42	≤8	PASS
	Ant1	2437	-15.7	≤8	PASS
	Ant2	2437	-15.27	≤8	PASS
	total	2437	-12.47	≤8	PASS
	Ant1	2452	-15.88	≤8	PASS
	Ant2	2452	-16.39	≤8	PASS
	total	2452	-13.12	≤8	PASS

Note1: Test Plots see Appendix C.

7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

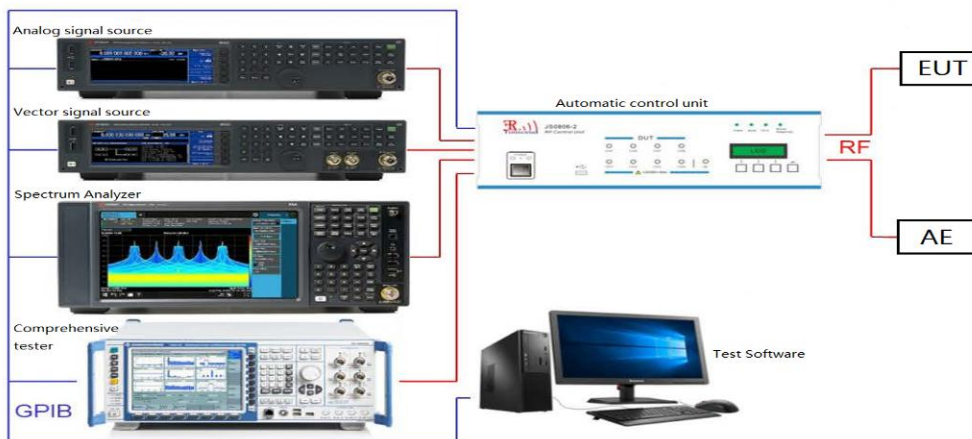
KDB 558074 D01 v05r02 - Section 8.5 & Section 8.6

ANSI C63.10 – Section 11.11&11.12

7.5.3. Test Setting

- (a) Set the center frequency and span to encompass frequency range to be measured
- (b) RBW = 100kHz
- (c) VBW = 300kHz
- (d) Detector = Peak
- (e) Trace mode = max hold
- (f) Sweep time = auto couple
- (g) The trace was allowed to stabilize

7.5.4. Test Setup



7.5.5. Test Result(Conducted Spurious Emission)

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.68	6.68	---	PASS
			30~1000	6.68	-62.37	≤-13.32	PASS
			1000~26500	6.68	-48.6	≤-13.32	PASS
	Ant2	2412	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-61.26	≤-16.8	PASS
			1000~26500	3.21	-52.53	≤-16.8	PASS
	Ant1	2437	Reference	3.89	3.89	---	PASS
			30~1000	3.89	-61.09	≤-16.12	PASS
			1000~26500	3.89	-52.7	≤-16.12	PASS
	Ant2	2437	Reference	2.69	2.69	---	PASS
			30~1000	2.69	-62.61	≤-17.31	PASS
			1000~26500	2.69	-53.54	≤-17.31	PASS
	Ant1	2462	Reference	3.02	3.02	---	PASS
			30~1000	3.02	-62.01	≤-16.98	PASS
			1000~26500	3.02	-53.54	≤-16.98	PASS
	Ant2	2462	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-62.16	≤-17.97	PASS
			1000~26500	2.03	-53.14	≤-17.97	PASS
11G	Ant1	2412	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-61.06	≤-18.04	PASS
			1000~26500	1.96	-52.91	≤-18.04	PASS
	Ant2	2412	Reference	-3.57	-3.57	---	PASS
			30~1000	-3.57	-61.2	≤-23.57	PASS
			1000~26500	-3.57	-52.68	≤-23.57	PASS
	Ant1	2437	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-62.06	≤-22.71	PASS
			1000~26500	-2.71	-51.49	≤-22.71	PASS
	Ant2	2437	Reference	-3.90	-3.90	---	PASS
			30~1000	-3.90	-61.84	≤-23.9	PASS
			1000~26500	-3.90	-53.32	≤-23.9	PASS
	Ant1	2462	Reference	-3.80	-3.80	---	PASS
			30~1000	-3.80	-61.72	≤-23.8	PASS
			1000~26500	-3.80	-52.98	≤-23.8	PASS
	Ant2	2462	Reference	-4.90	-4.90	---	PASS

			30~1000	-4.90	-61.59	≤ -24.9	PASS
			1000~26500	-4.90	-52.8	≤ -24.9	PASS
11N20SISO	Ant1	2412	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-61.55	≤ -22.92	PASS
			1000~26500	-2.92	-52.41	≤ -22.92	PASS
	Ant2	2412	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-61.39	≤ -23.58	PASS
			1000~26500	-3.58	-53	≤ -23.58	PASS
	Ant1	2437	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-61.55	≤ -22.78	PASS
			1000~26500	-2.78	-53.12	≤ -22.78	PASS
	Ant2	2437	Reference	-4.24	-4.24	---	PASS
			30~1000	-4.24	-61.58	≤ -24.24	PASS
			1000~26500	-4.24	-53.76	≤ -24.24	PASS
	Ant1	2462	Reference	-3.76	-3.76	---	PASS
			30~1000	-3.76	-62.17	≤ -23.76	PASS
			1000~26500	-3.76	-49.73	≤ -23.76	PASS
	Ant2	2462	Reference	-5.38	-5.38	---	PASS
			30~1000	-5.38	-61.26	≤ -25.38	PASS
			1000~26500	-5.38	-53.29	≤ -25.38	PASS
11N40SISO	Ant1	2422	Reference	-5.58	-5.58	---	PASS
			30~1000	-5.58	-62.29	≤ -25.58	PASS
			1000~26500	-5.58	-53.21	≤ -25.58	PASS
	Ant2	2422	Reference	-5.29	-5.29	---	PASS
			30~1000	-5.29	-61.89	≤ -25.29	PASS
			1000~26500	-5.29	-53.44	≤ -25.29	PASS
	Ant1	2437	Reference	-6.03	-6.03	---	PASS
			30~1000	-6.03	-61.99	≤ -26.03	PASS
			1000~26500	-6.03	-52.69	≤ -26.03	PASS
	Ant2	2437	Reference	-5.98	-5.98	---	PASS
			30~1000	-5.98	-61.94	≤ -25.98	PASS
			1000~26500	-5.98	-53.37	≤ -25.98	PASS
	Ant1	2452	Reference	-6.68	-6.68	---	PASS
			30~1000	-6.68	-61.27	≤ -26.68	PASS
			1000~26500	-6.68	-52.35	≤ -26.68	PASS
	Ant2	2452	Reference	-6.82	-6.82	---	PASS
			30~1000	-6.82	-61.69	≤ -26.82	PASS

			1000~26500	-6.82	-53.41	≤ -26.82	PASS
11B-CDD	Ant1	2412	Reference	3.66	3.66	---	PASS
			30~1000	3.66	-61.87	≤ -16.34	PASS
			1000~26500	3.66	-52.77	≤ -16.34	PASS
	Ant2	2412	Reference	3.25	3.25	---	PASS
			30~1000	3.25	-61.84	≤ -16.75	PASS
			1000~26500	3.25	-46.13	≤ -16.75	PASS
	Ant1	2437	Reference	2.56	2.56	---	PASS
			30~1000	2.56	-61.83	≤ -17.44	PASS
			1000~26500	2.56	-53.17	≤ -17.44	PASS
	Ant2	2437	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-61.52	≤ -17.32	PASS
			1000~26500	2.68	-53.02	≤ -17.32	PASS
	Ant1	2462	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-62.03	≤ -18.31	PASS
			1000~26500	1.69	-53.02	≤ -18.31	PASS
	Ant2	2462	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-62.16	≤ -18.48	PASS
			1000~26500	1.52	-52.95	≤ -18.48	PASS
11G-CDD	Ant1	2412	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-61.98	≤ -23.56	PASS
			1000~26500	-3.56	-52.97	≤ -23.56	PASS
	Ant2	2412	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-61.82	≤ -22.73	PASS
			1000~26500	-2.73	-52.93	≤ -22.73	PASS
	Ant1	2437	Reference	-3.71	-3.71	---	PASS
			30~1000	-3.71	-61.8	≤ -23.71	PASS
			1000~26500	-3.71	-52.95	≤ -23.71	PASS
	Ant2	2437	Reference	-3.28	-3.28	---	PASS
			30~1000	-3.28	-62.12	≤ -23.28	PASS
			1000~26500	-3.28	-52.96	≤ -23.28	PASS
	Ant1	2462	Reference	-4.84	-4.84	---	PASS
			30~1000	-4.84	-61.55	≤ -24.84	PASS
			1000~26500	-4.84	-53.67	≤ -24.84	PASS
	Ant2	2462	Reference	-4.32	-4.32	---	PASS
			30~1000	-4.32	-62.58	≤ -24.32	PASS
			1000~26500	-4.32	-53.74	≤ -24.32	PASS

11N20MIMO	Ant1	2412	Reference	-3.76	-3.76	---	PASS
			30~1000	-3.76	-62.29	≤ -23.76	PASS
			1000~26500	-3.76	-52.54	≤ -23.76	PASS
	Ant2	2412	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-61.85	≤ -22.54	PASS
			1000~26500	-2.54	-52.91	≤ -22.54	PASS
	Ant1	2437	Reference	-3.75	-3.75	---	PASS
			30~1000	-3.75	-61.6	≤ -23.75	PASS
			1000~26500	-3.75	-53.06	≤ -23.75	PASS
	Ant2	2437	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-62.31	≤ -23.29	PASS
			1000~26500	-3.29	-52.62	≤ -23.29	PASS
	Ant1	2462	Reference	-4.54	-4.54	---	PASS
			30~1000	-4.54	-62.6	≤ -24.54	PASS
			1000~26500	-4.54	-52.95	≤ -24.54	PASS
	Ant2	2462	Reference	-4.79	-4.79	---	PASS
			30~1000	-4.79	-61.05	≤ -24.79	PASS
			1000~26500	-4.79	-52.84	≤ -24.79	PASS
11N40MIMO	Ant1	2422	Reference	-6.70	-6.70	---	PASS
			30~1000	-6.70	-60.42	≤ -26.7	PASS
			1000~26500	-6.70	-53.5	≤ -26.7	PASS
	Ant2	2422	Reference	-6.05	-6.05	---	PASS
			30~1000	-6.05	-62.09	≤ -26.05	PASS
			1000~26500	-6.05	-53.21	≤ -26.05	PASS
	Ant1	2437	Reference	-7.02	-7.02	---	PASS
			30~1000	-7.02	-62.06	≤ -27.02	PASS
			1000~26500	-7.02	-52.47	≤ -27.02	PASS
	Ant2	2437	Reference	-6.90	-6.90	---	PASS
			30~1000	-6.90	-61.75	≤ -26.9	PASS
			1000~26500	-6.90	-53.3	≤ -26.9	PASS
	Ant1	2452	Reference	-7.57	-7.57	---	PASS
			30~1000	-7.57	-61.91	≤ -27.57	PASS
			1000~26500	-7.57	-53.05	≤ -27.57	PASS
	Ant2	2452	Reference	-7.37	-7.37	---	PASS
			30~1000	-7.37	-62.02	≤ -27.37	PASS
			1000~26500	-7.37	-53.29	≤ -27.37	PASS

Note1: Test Plots see Appendix D1.

7.5.6. Test Result(Band edge)

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.71	-37.32	≤-13.29	PASS
	Ant2	Low	2412	3.32	-46.48	≤-16.68	PASS
	Ant1	High	2462	3.04	-49.64	≤-16.96	PASS
	Ant2	High	2462	2.05	-49.26	≤-17.95	PASS
11G	Ant1	Low	2412	2.07	-32.66	≤-17.93	PASS
	Ant2	Low	2412	-3.66	-37.32	≤-23.66	PASS
	Ant1	High	2462	-3.58	-49.7	≤-23.58	PASS
	Ant2	High	2462	-4.90	-49.21	≤-24.9	PASS
11N20SISO	Ant1	Low	2412	-3.05	-35.52	≤-23.05	PASS
	Ant2	Low	2412	-3.69	-36.44	≤-23.69	PASS
	Ant1	High	2462	-3.54	-48.6	≤-23.54	PASS
	Ant2	High	2462	-5.07	-49.82	≤-25.07	PASS
11N40SISO	Ant1	Low	2422	-6.07	-39.15	≤-26.07	PASS
	Ant2	Low	2422	-6.94	-39.55	≤-26.94	PASS
	Ant1	High	2452	-6.47	-49.09	≤-26.47	PASS
	Ant2	High	2452	-6.77	-49.19	≤-26.77	PASS
11B-CDD	Ant1	Low	2412	3.47	-44.64	≤-16.53	PASS
	Ant2	Low	2412	2.80	-46.32	≤-17.2	PASS
	Ant1	High	2462	1.58	-49.83	≤-18.42	PASS
	Ant2	High	2462	1.74	-49.24	≤-18.26	PASS
11G-CDD	Ant1	Low	2412	-3.70	-39.03	≤-23.7	PASS
	Ant2	Low	2412	-2.64	-37.47	≤-22.64	PASS
	Ant1	High	2462	-4.66	-49.52	≤-24.66	PASS
	Ant2	High	2462	-4.99	-49.67	≤-24.99	PASS
11N20MIMO	Ant1	Low	2412	-3.71	-36.12	≤-23.71	PASS
	Ant2	Low	2412	-3.29	-34.95	≤-23.29	PASS
	Ant1	High	2462	-4.47	-49.14	≤-24.47	PASS
	Ant2	High	2462	-4.52	-49.15	≤-24.52	PASS
11N40MIMO	Ant1	Low	2422	-6.90	-38.74	≤-26.9	PASS
	Ant2	Low	2422	-6.68	-37.41	≤-26.68	PASS
	Ant1	High	2452	-7.40	-48.04	≤-27.4	PASS
	Ant2	High	2452	-7.33	-49.03	≤-27.33	PASS

Note1: Test Plots see Appendix D2.

7.6. Radiated Spurious Emission Measurement

7.6.1. 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

7.6.2. Test Procedure Used

ANSI C63.10-2013 – Section 6.6.4.3

7.6.3. Test Setting

Peak Field Strength Measurements

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

Table 1 - RBW as a function of frequency

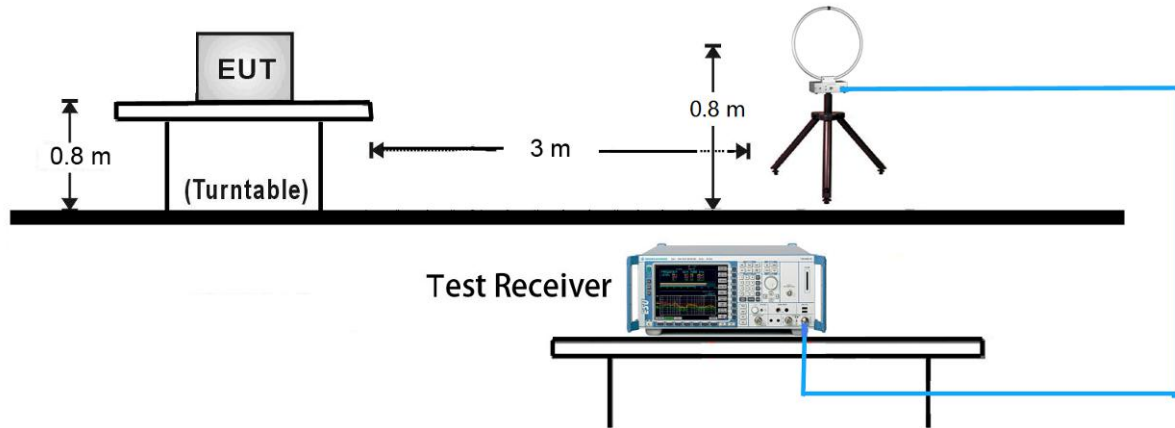
Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

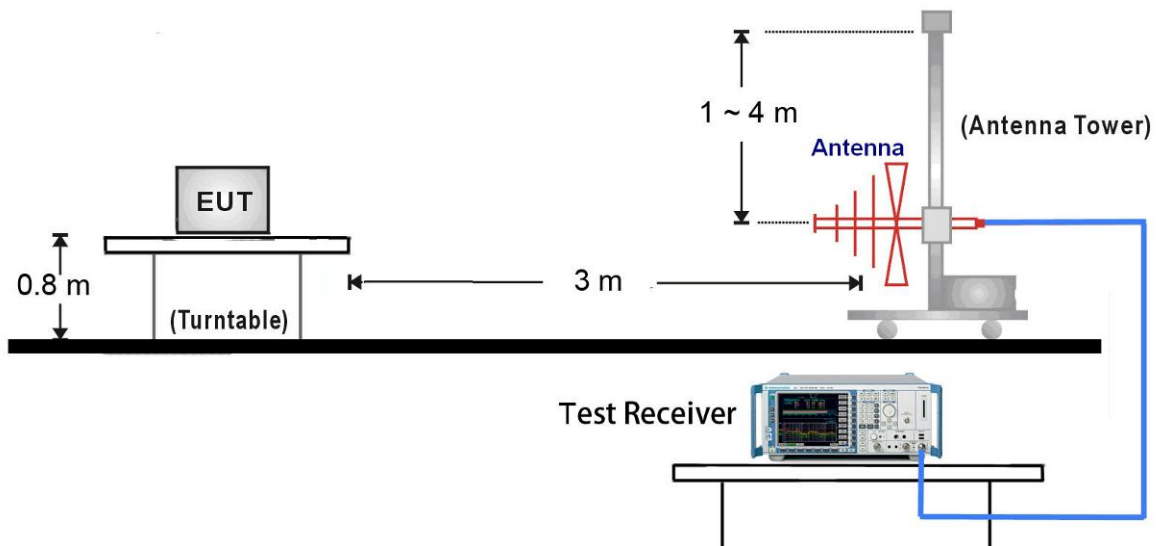
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be $\geq 2 \times \text{span} / \text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.6.4. Test Setup

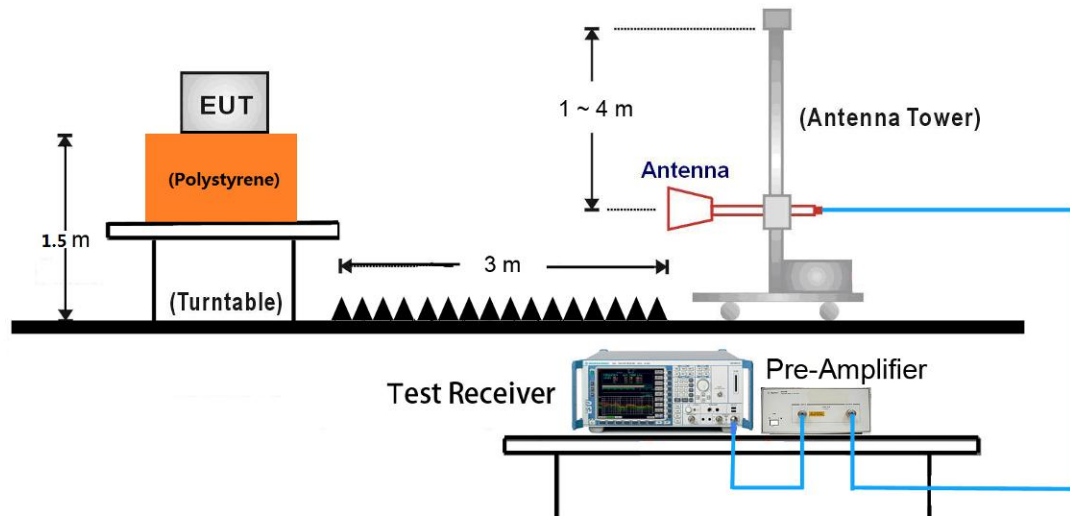
9kHz ~ 30MHz Test Setup:



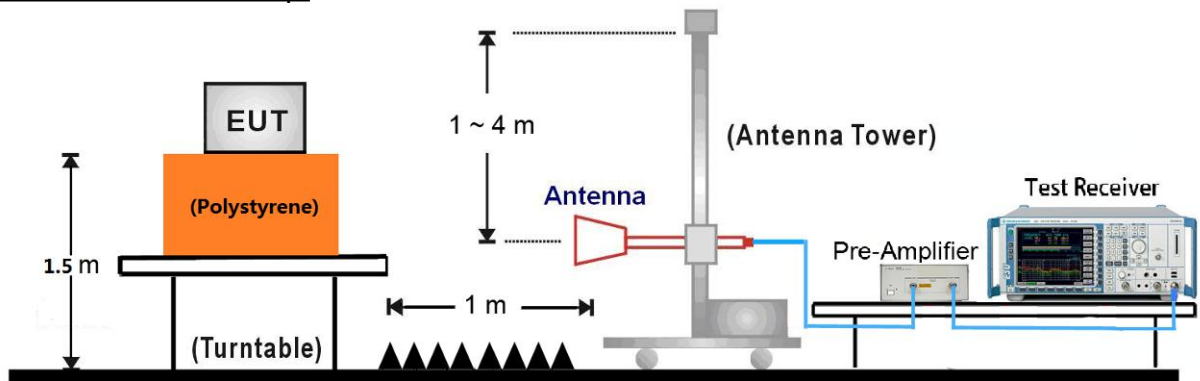
30MHz ~ 1GHz Test Setup:



1GHz ~ 18GHz Test Setup:



18GHz ~ 25GHz Test Setup:



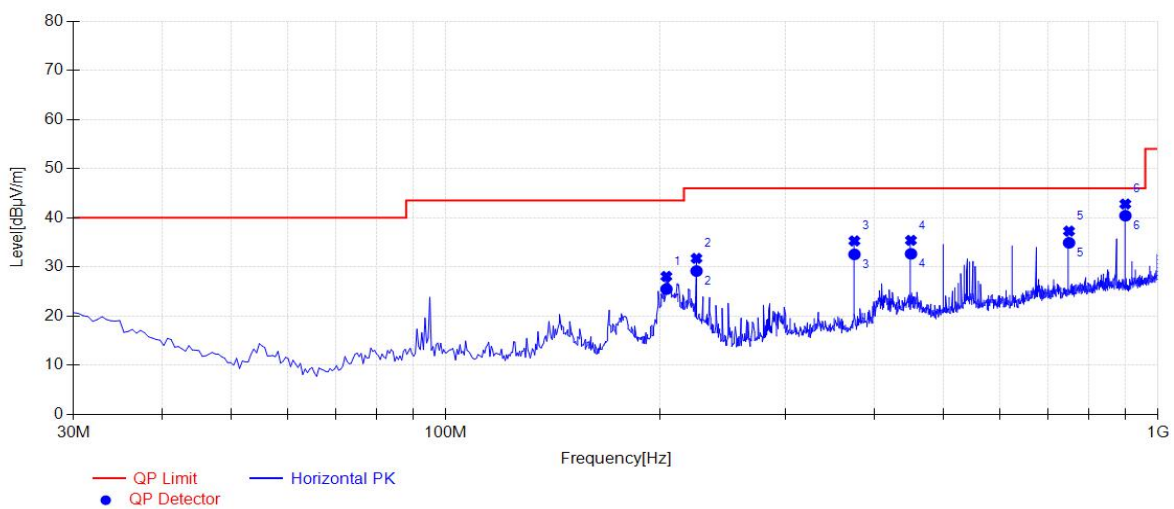
7.6.5. Test Result

The worst case of Radiated Emission Below 1GHz:

30MHz – 1GHz Test Data

EUT:	Dual Band 11AC Wireless Module	Polarity:	Horizontal
Model:	DR600VX	SN:	N/A
Mode:	Transmit by 802.11b at Channel 2412MHz	Voltage:	120V/60Hz
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia

Test Graph



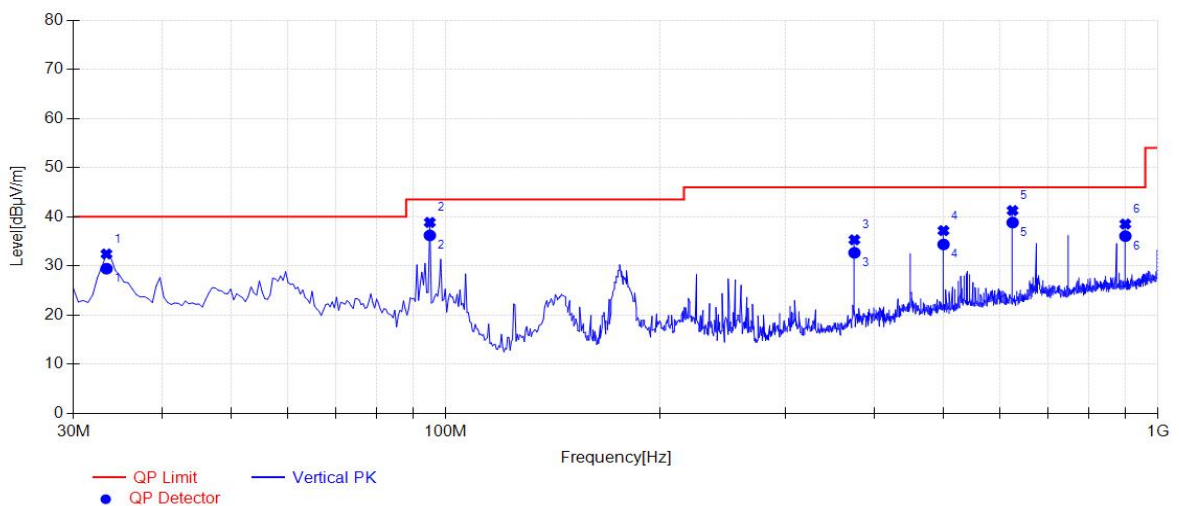
Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	204.115	9.85	25.50	43.50	18.00	100	0	Horizontal
2	224.970	10.63	29.17	46.00	16.83	100	0	Horizontal
3	374.835	15.33	32.56	46.00	13.44	100	239	Horizontal
4	450.010	17.60	32.67	46.00	13.33	100	260	Horizontal
5	750.225	22.67	34.91	46.00	11.09	100	166	Horizontal
6	900.090	23.87	40.43	46.00	5.57	100	180	Horizontal

Note 1: 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), therefore no data appear in the report.

EUT:	Dual Band 11AC Wireless	Polarity:	Vertical
Model:	DR600VX	SN:	N/A
Mode:	Transmit by 802.11b at Channel 2412MHz	Voltage:	120V/60Hz
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia

Test Graph



Final Data List

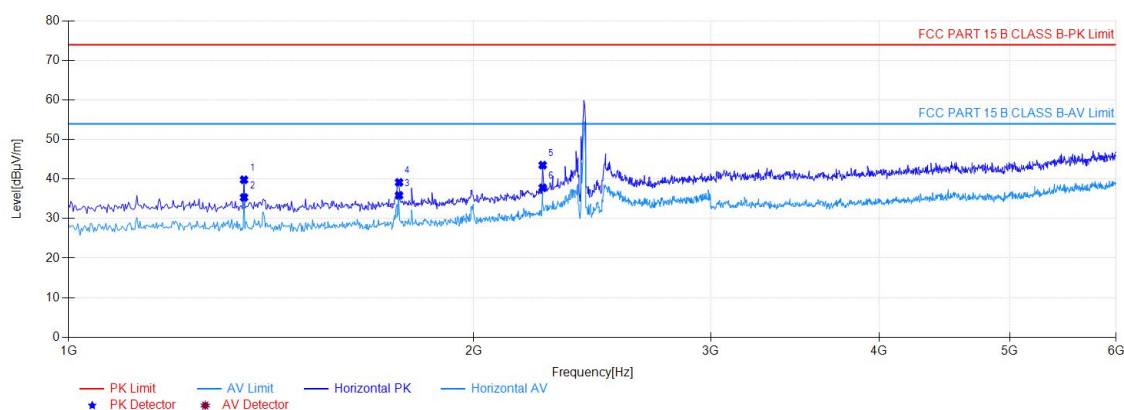
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	33.3950	17.99	29.45	40.00	10.55	100	325	Vertical
2	94.9900	10.61	36.22	43.50	7.28	100	54	Vertical
3	374.835	15.33	32.68	46.00	13.32	100	207	Vertical
4	499.965	18.92	34.38	46.00	11.62	100	134	Vertical
5	625.095	20.70	38.83	46.00	7.17	100	162	Vertical
6	900.090	23.87	36.08	46.00	9.92	200	204	Vertical

Note 1: 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), therefore no data appear in the report.

The worst case of Radiated Emission Above 1GHz:

Test Mode:	802.11b - Ant 1	Test Date:	2021-12-26
Test Channel:	01	Test Engineer:	Amos Xia
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 6-25GHz, there is not show in the report.		

Test Graph

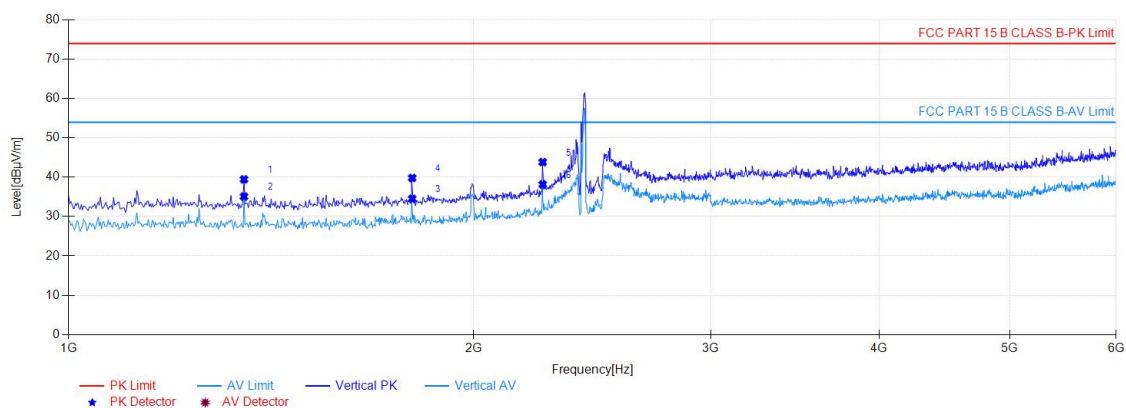


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1350.00	39.83	-3.76	74.00	34.17	100	334	Horizontal
2	1350.00	35.35	-3.76	54.00	18.65	100	334	Horizontal
3	1760.00	35.89	-2.63	54.00	18.11	100	13	Horizontal
4	1760.00	39.17	-2.63	74.00	34.83	100	13	Horizontal
5	2250.00	43.52	-0.31	74.00	30.48	100	240	Horizontal
6	2250.00	37.80	-0.31	54.00	16.20	100	240	Horizontal

Test Mode:	802.11b - Ant 1	Test Date:	2021-12-26
Test Channel:	01	Test Engineer:	Amos Xia
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 6-25GHz, there is not show in the report.		

Test Graph

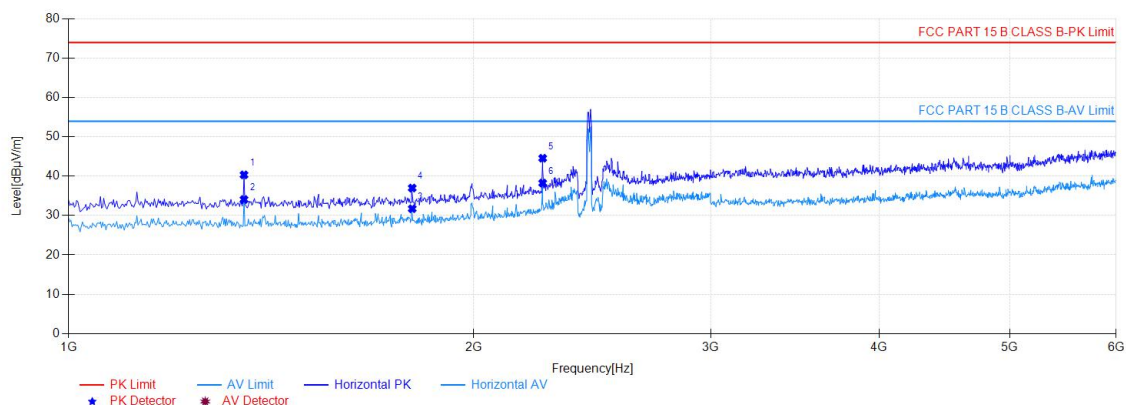


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1350.00	39.45	-3.76	74.00	34.55	100	125	Vertical
2	1350.00	35.09	-3.76	54.00	18.91	100	125	Vertical
3	1800.00	34.52	-2.39	54.00	19.48	100	125	Vertical
4	1800.00	39.81	-2.39	74.00	34.19	100	179	Vertical
5	2250.00	43.84	-0.31	74.00	30.16	100	68	Vertical
6	2250.00	38.16	-0.31	54.00	15.84	100	68	Vertical

Test Mode:	802.11b - Ant 1	Test Date:	2021-12-26
Test Channel:	06	Test Engineer:	Amos Xia
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 6-25GHz, there is not show in the report.		

Test Graph

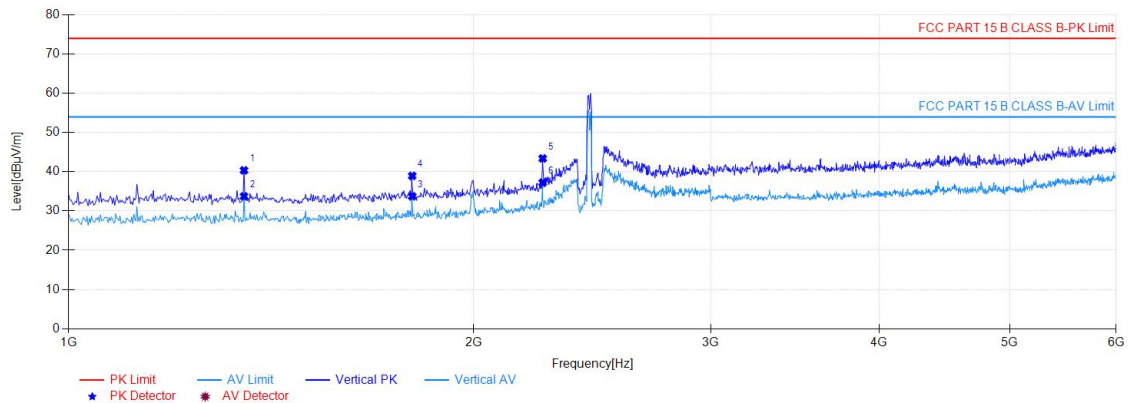


Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1350.00	40.35	-3.76	74.00	33.65	100	318	Horizontal
2	1350.00	34.08	-3.76	54.00	19.92	100	318	Horizontal
3	1800.00	31.74	-2.39	54.00	22.26	100	134	Horizontal
4	1800.00	37.00	-2.39	74.00	37.00	100	126	Horizontal
5	2250.00	44.58	-0.31	74.00	29.42	100	254	Horizontal
6	2250.00	38.26	-0.31	54.00	15.74	100	254	Horizontal

Test Mode:	802.11b - Ant 1	Test Date:	2021-12-26
Test Channel:	06	Test Engineer:	Amos Xia
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 6-25GHz, there is not show in the report.		

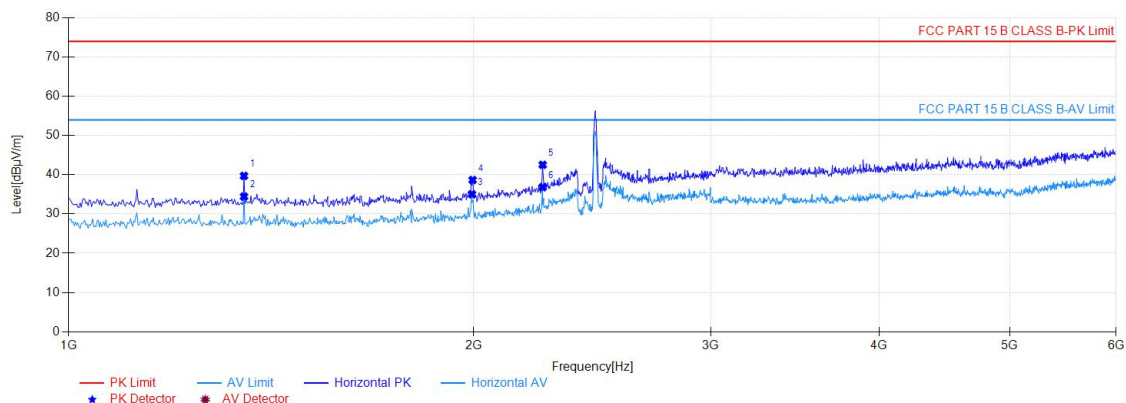
Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1350.00	40.37	-3.76	74.00	33.63	100	130	Vertical
2	1350.00	33.74	-3.76	54.00	20.26	100	130	Vertical
3	1800.00	33.75	-2.39	54.00	20.25	100	114	Vertical
4	1800.00	38.96	-2.39	74.00	35.04	100	123	Vertical
5	2250.00	43.40	-0.31	74.00	30.60	100	82	Vertical
6	2250.00	37.23	-0.31	54.00	16.77	100	75	Vertical

Test Mode:	802.11b - Ant 1	Test Date:	2021-12-26
Test Channel:	11	Test Engineer:	Amos Xia
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 6-25GHz, there is not show in the report.		

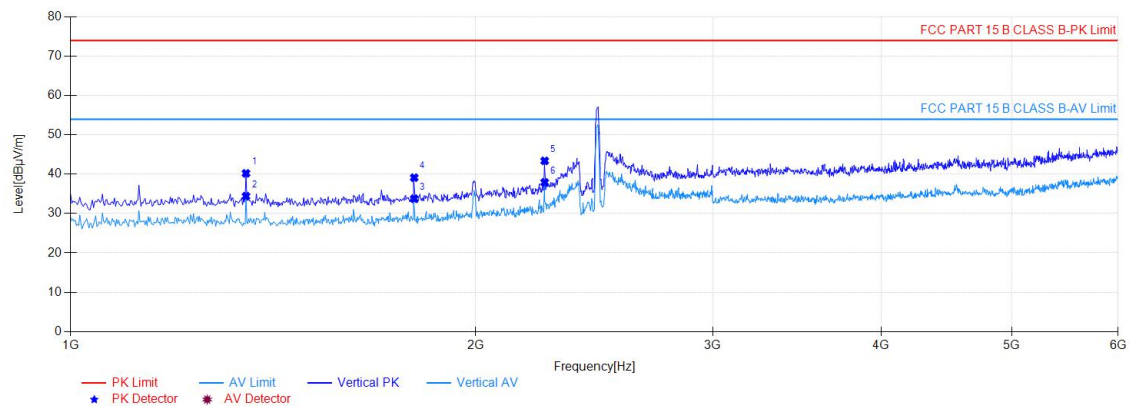
Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1350.00	39.72	-3.76	74.00	34.28	100	356	Horizontal
2	1350.00	34.45	-3.76	54.00	19.55	100	343	Horizontal
3	1994.00	35.03	-1.75	54.00	18.97	100	281	Horizontal
4	1996.00	38.67	-1.74	74.00	35.33	100	107	Horizontal
5	2250.00	42.55	-0.31	74.00	31.45	100	243	Horizontal
6	2250.00	36.85	-0.31	54.00	17.15	100	250	Horizontal

Test Mode:	802.11b - Ant 1	Test Date:	2021-12-26
Test Channel:	11	Test Engineer:	Amos Xia
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 6-25GHz, there is not show in the report.		

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1350.00	40.22	-3.76	74.00	33.78	100	132	Vertical
2	1350.00	34.41	-3.76	54.00	19.59	100	132	Vertical
3	1800.00	33.77	-2.39	54.00	20.23	100	125	Vertical
4	1800.00	39.13	-2.39	74.00	34.87	100	125	Vertical
5	2250.00	43.40	-0.31	74.00	30.60	100	63	Vertical
6	2250.00	37.92	-0.31	54.00	16.08	100	63	Vertical

7.7. Radiated Restricted Band Edge Measurement

7.7.1. 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	--	--	--

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [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

For RSS-Gen Section 8.10 requirement:

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

Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.009 - 0.110	240 - 285	9.0 - 9.2
2.1735 - 2.1905	322 - 335.4	9.3 - 9.5
3.020 - 3.026	399.9 - 410	10.6 - 12.7
4.125 - 4.128	608 - 614	13.25 - 13.4
4.17725 - 4.17775	960 - 1427	14.47 - 14.5
4.20725 - 4.20775	1435 - 1626.5	15.35 - 16.2
5.677 - 5.683	1645.5 - 1646.5	17.7 - 21.4
6.215 - 6.218	1660 - 1710	22.01 - 23.12
6.26775 - 6.26825	1718.8 -1722.2	23.6 - 24.0
6.31175 - 6.31225	2200 - 2300	31.2 - 31.8
8.291 - 8.294	2310 -2390	36.43 - 36.5
8.362 - 8.366	2655 - 2900	Above 38.6
8.37625 - 8.38675	3260 - 3267	--
8.41425 - 8.41475	3332 -3339	
12.29 - 12.293	334.5 - 3358	
12.51975 - 12.52025	3500 - 4400	
12.57675 - 12.57725	4500 - 5150	
13.36 -13.41	5350 - 5460	
16.42 - 16.423	7250 - 7750	
16.69475 - 16.69525	8025 - 8500	
16.80425 - 16.80475	--	
25.5 - 25.67		
37.5 - 38.25		
73 - 74.6		
74.8 - 75.2		
108 - 138		
156.52475 - 156.525225		
156.7 - 156.9		

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

RSS-Gen Section 8.9		
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

7.7.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.7.3. Test Setting

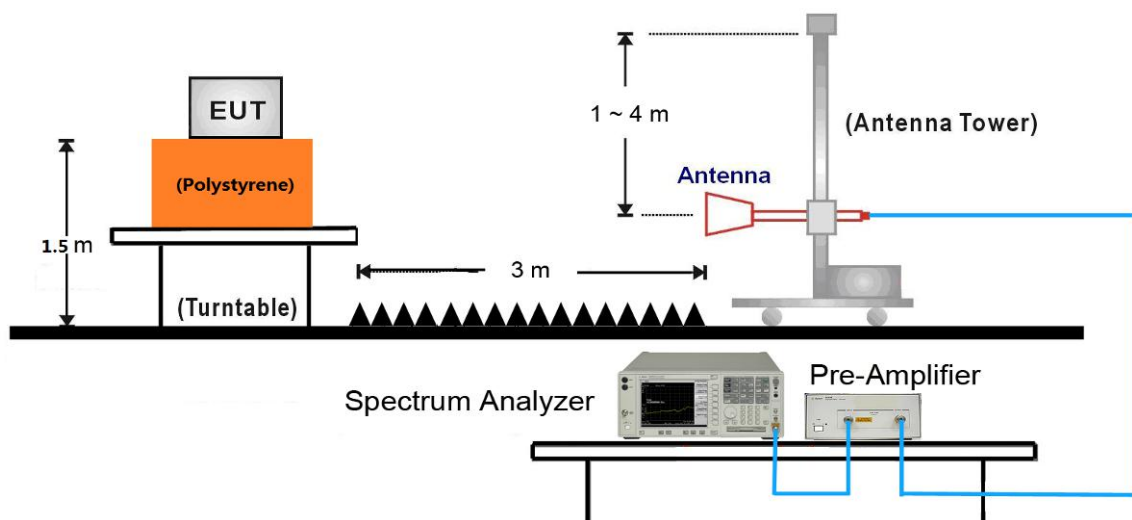
Peak Field Strength Measurements

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 Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Power Average (RMS)
5. Number of sweep point = 2001 (Number of sweep points must be $\geq 2 \times \text{span} / \text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

7.7.4. Test Setup



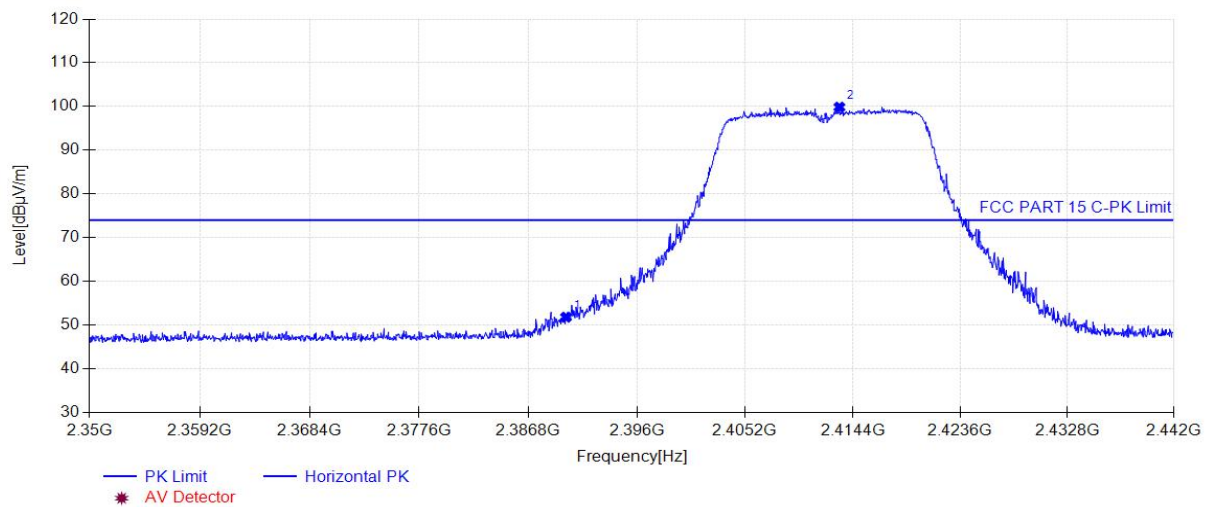
Note: This item was performed with the WIFI antenna connected.

7.7.5. Test Result

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant1		

Start of Test:2021-12-23 15:56:29

Test Graph

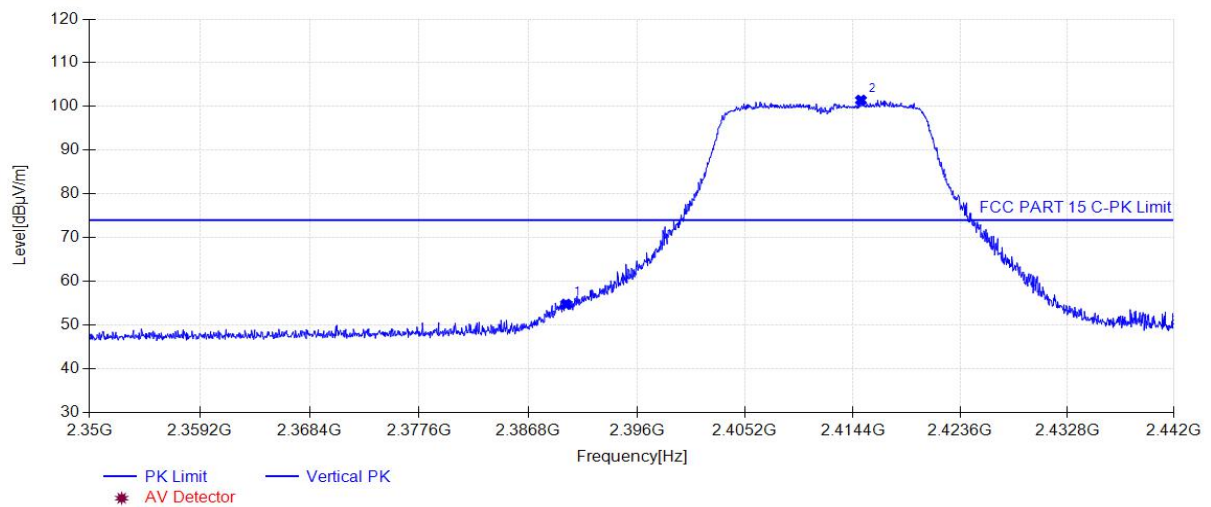


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	51.80	34.25	74.00	22.20	160	263	Horizontal
2	2413.25	99.87	34.38	74.00	-25.87	160	263	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant1		

Start of Test:2021-12-23 15:57:21

Test Graph

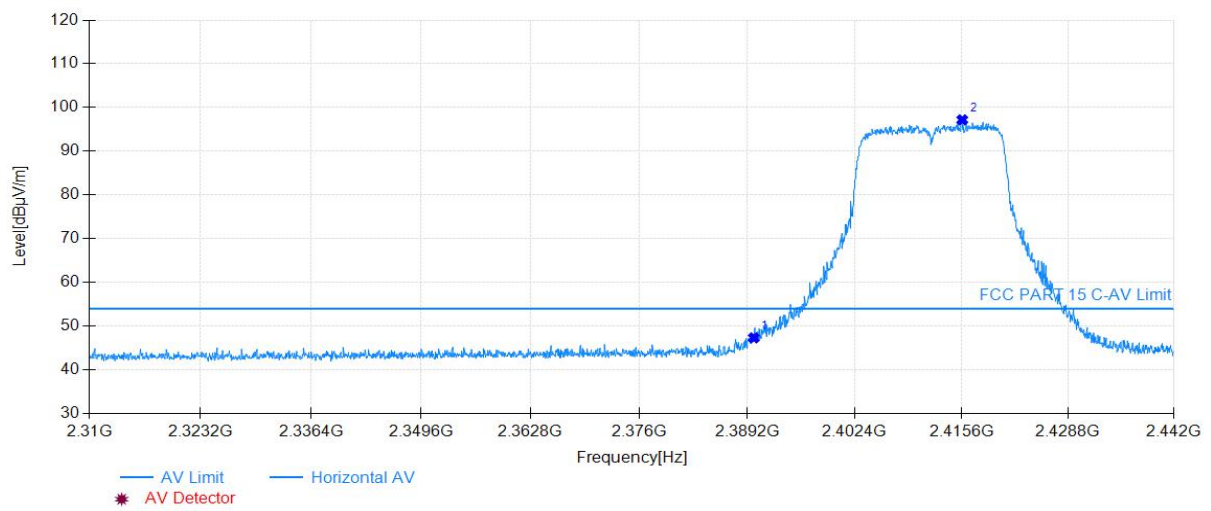


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	54.76	34.25	74.00	19.24	160	223	Vertical
2	2415.09	101.45	34.40	74.00	-27.45	160	245	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant1		

Start of Test:2021-12-23 15:58:26

Test Graph

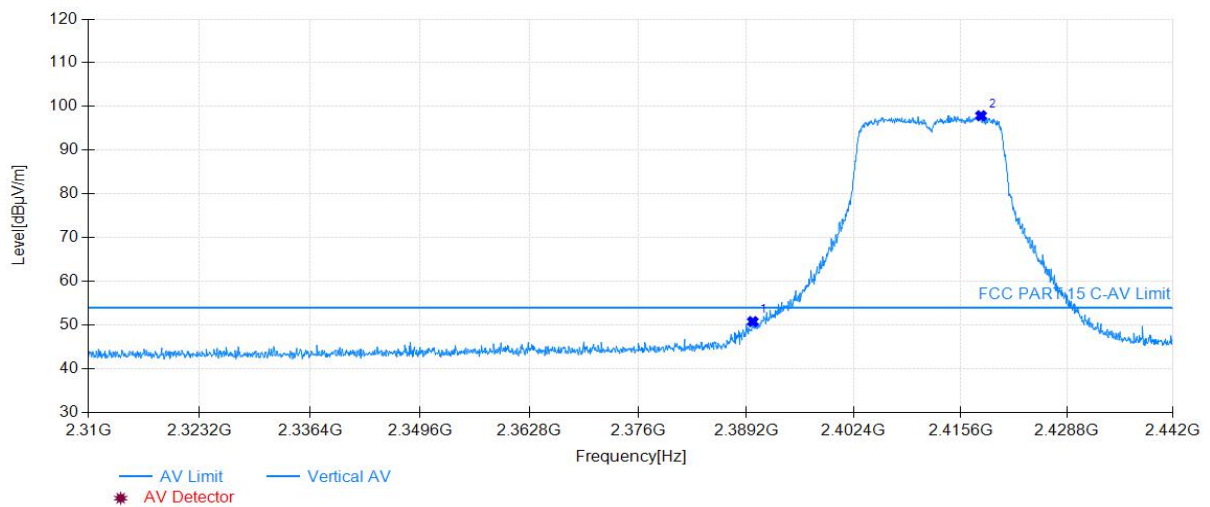


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	47.29	34.25	54.00	6.71	160	241	Horizontal
2	2415.66	97.18	34.40	54.00	-43.18	160	262	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant1		

Start of Test:2021-12-23 15:59:18

Test Graph

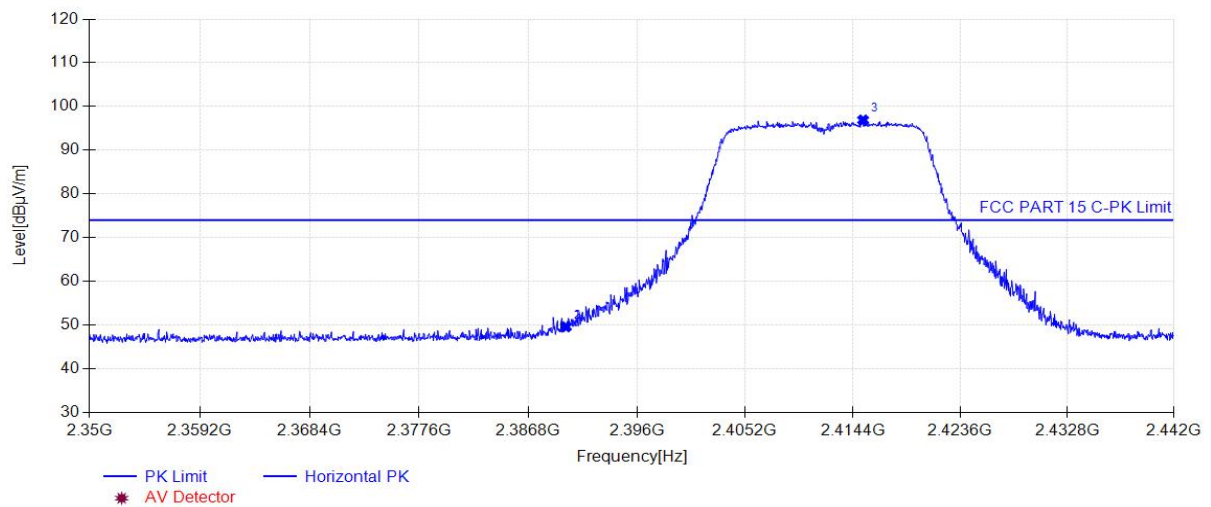


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	50.79	34.25	54.00	3.21	160	263	Vertical
2	2418.10	97.89	34.42	54.00	-43.89	160	256	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant2		

Start of Test:2021-12-23 16:01:40

Test Graph

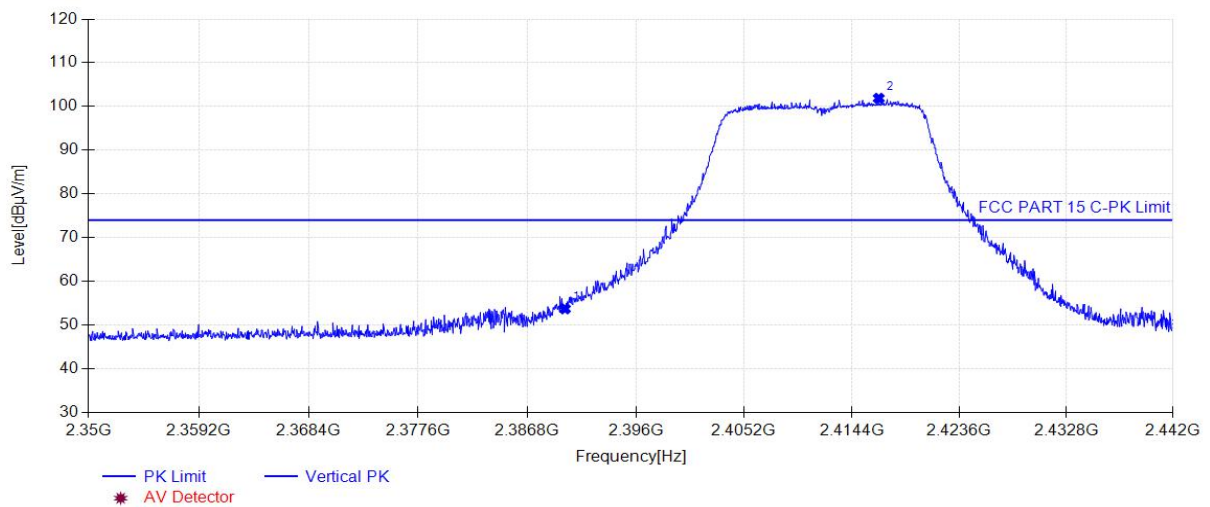


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	49.59	34.25	74.00	24.41	160	79	Horizontal
3	2415.27	96.91	34.40	74.00	-22.91	160	92	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant2		

Start of Test:2021-12-23 16:02:33

Test Graph

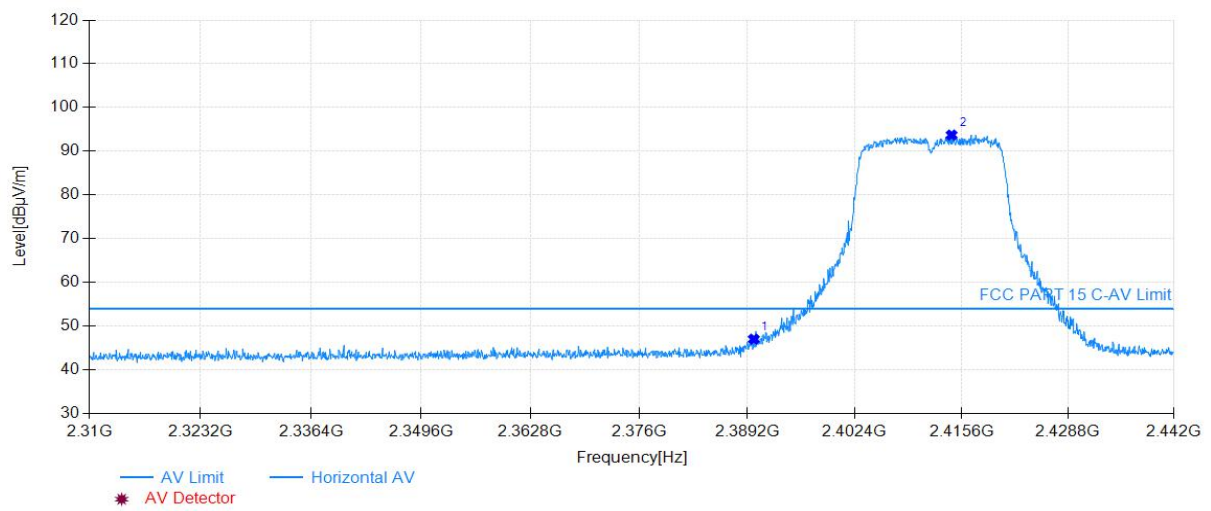


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	53.71	34.25	74.00	20.29	160	44	Vertical
2	2416.70	101.89	34.41	74.00	-27.89	160	338	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant2		

Start of Test:2021-12-23 16:03:36

Test Graph

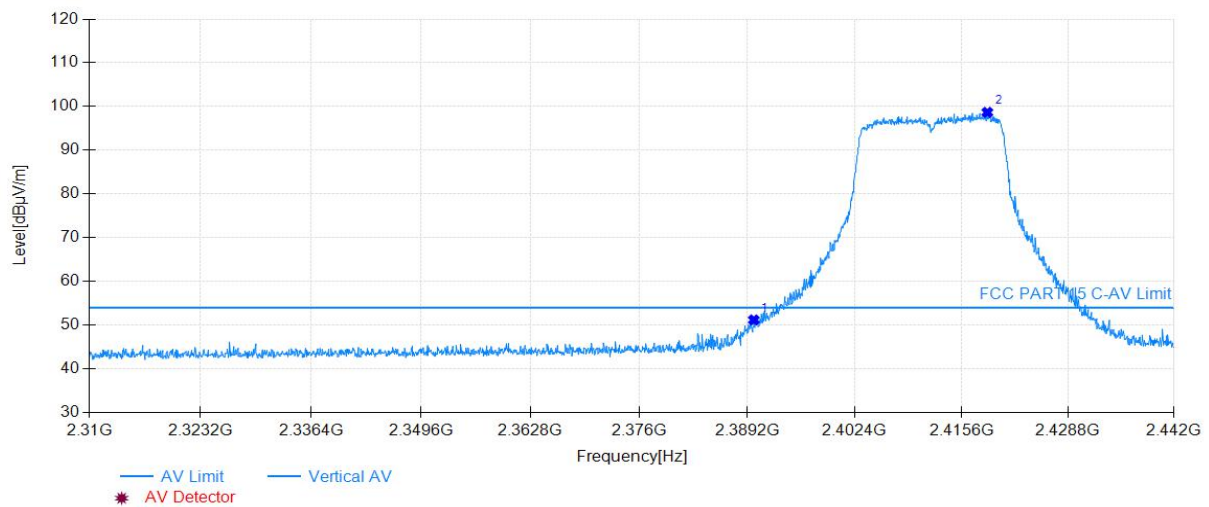


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	47.00	34.25	54.00	7.00	160	124	Horizontal
2	2414.34	93.70	34.39	54.00	-39.70	160	131	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant2		

Start of Test:2021-12-23 16:04:29

Test Graph

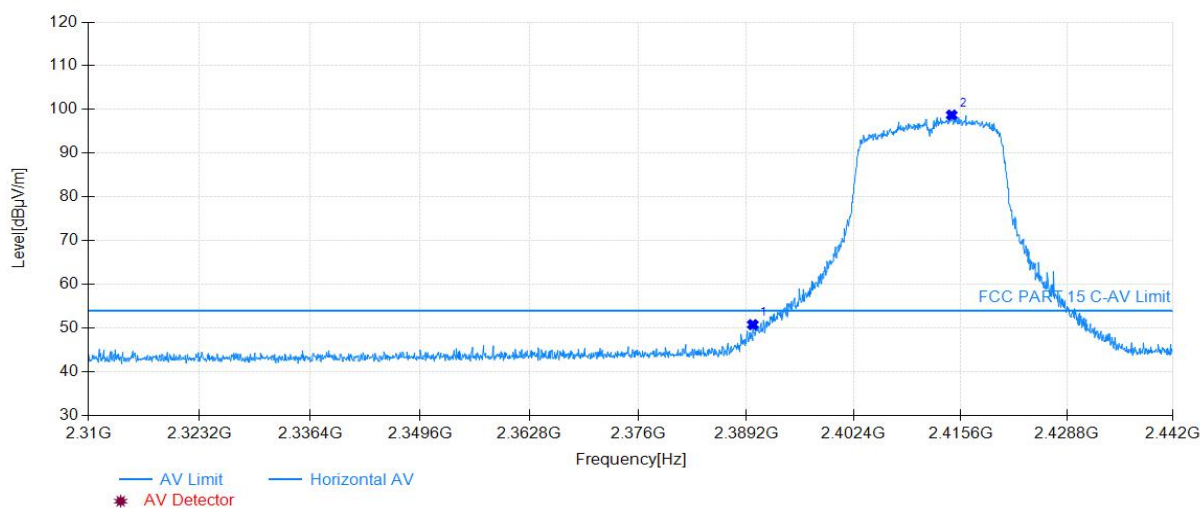


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	51.16	34.25	54.00	2.84	160	325	Vertical
2	2418.76	98.66	34.42	54.00	-44.66	160	332	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant1+ Ant 2		

Start of Test:2021-12-23 15:51:49

Test Graph

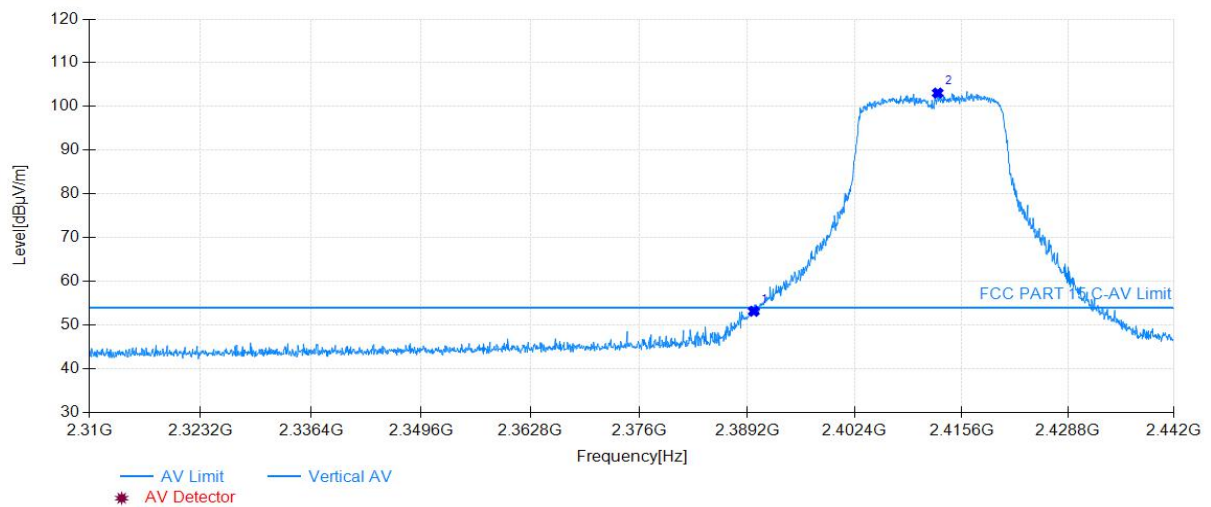


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	50.78	34.25	54.00	3.22	160	124	Horizontal
2	2414.47	98.74	34.39	54.00	-44.74	160	256	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2412MHz Ant1+ Ant 2		

Start of Test:2021-12-23 15:52:41

Test Graph

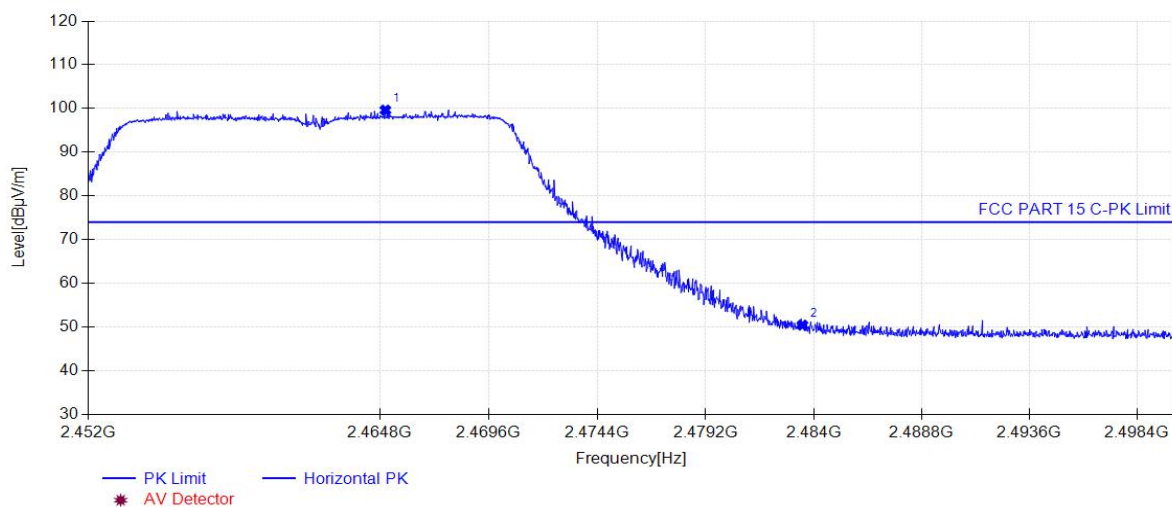


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	53.15	34.25	54.00	0.85	160	69	Vertical
2	2412.63	103.08	34.38	54.00	-49.08	160	329	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1		

Start of Test:2021-12-24 09:20:18

Test Graph

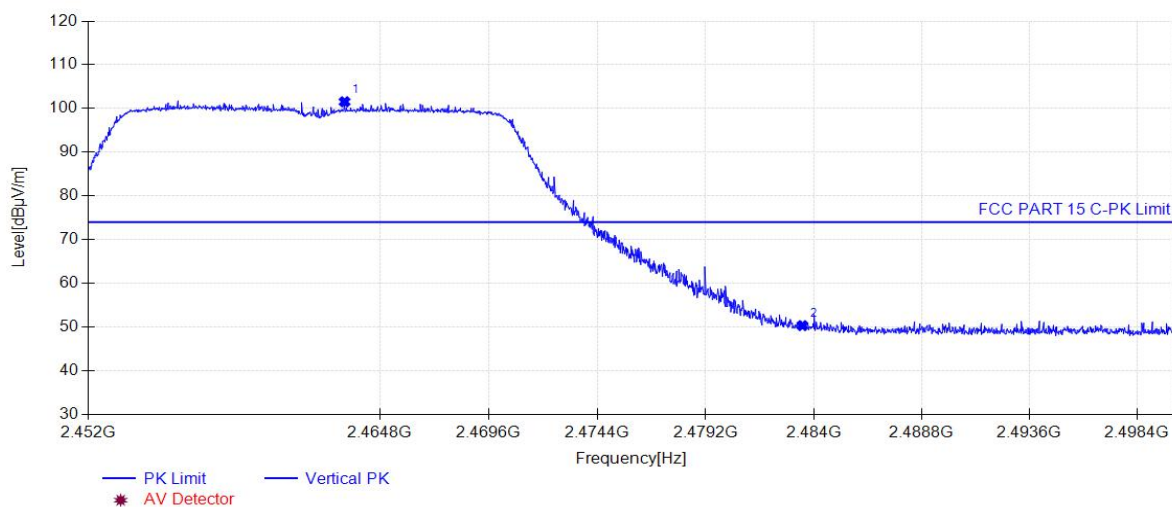


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2465.05	99.64	34.63	74.00	-25.64	160	257	Horizontal
2	2483.50	50.44	34.65	74.00	23.56	160	264	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1		

Start of Test:2021-12-24 09:21:11

Test Graph

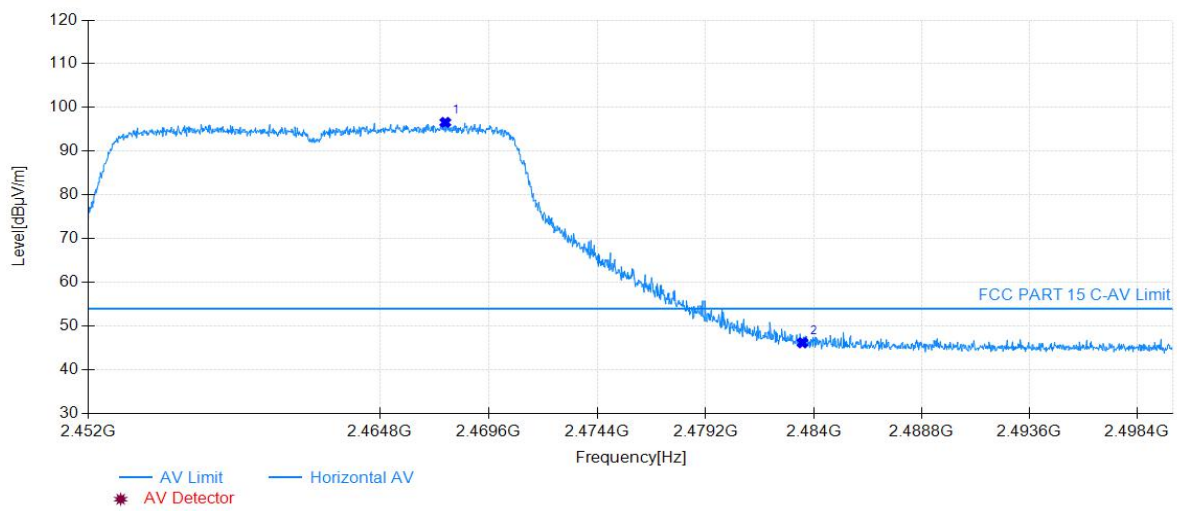


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2463.25	101.55	34.63	74.00	-27.55	160	336	Vertical
2	2483.50	50.33	34.65	74.00	23.67	160	351	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1		

Start of Test:2021-12-24 09:22:15

Test Graph

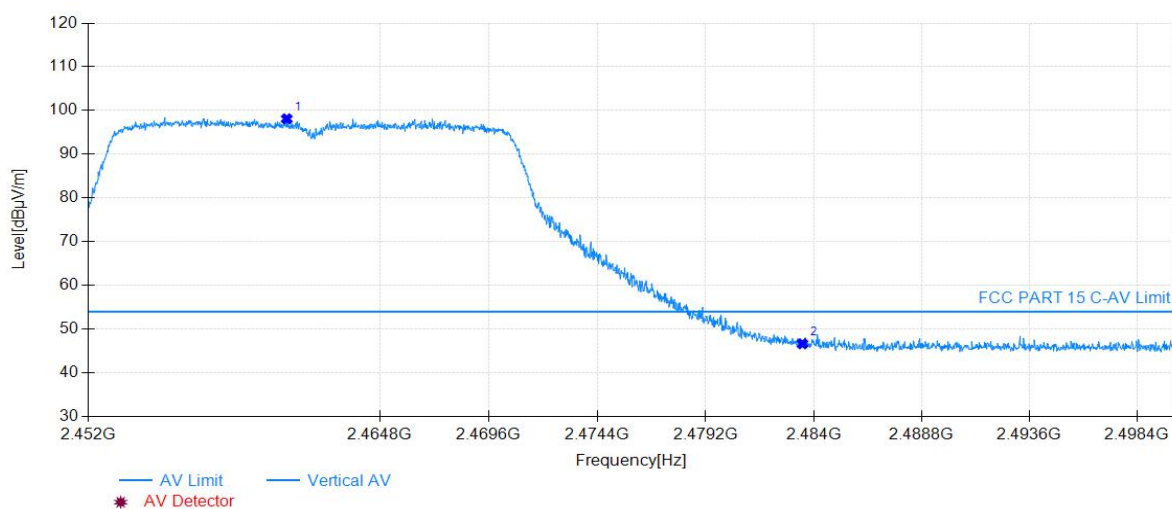


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.69	96.59	34.63	54.00	-42.59	160	257	Horizontal
2	2483.50	46.17	34.65	54.00	7.83	160	257	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1		

Start of Test:2021-12-24 09:23:08

Test Graph

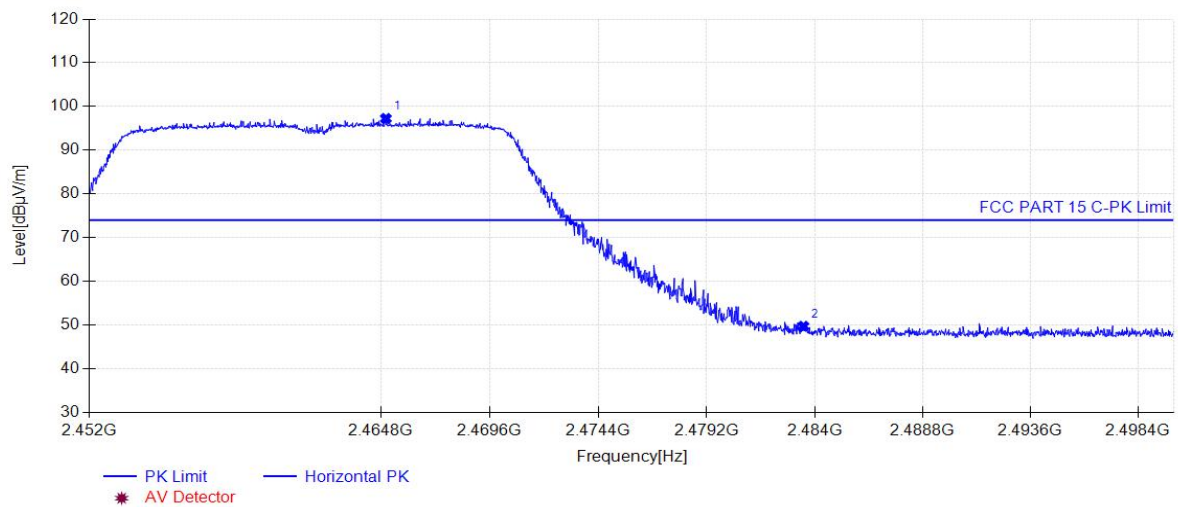


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2460.71	98.09	34.63	54.00	-44.09	160	331	Vertical
2	2483.50	46.63	34.65	54.00	7.37	160	357	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant2		

Start of Test:2021-12-24 09:24:26

Test Graph

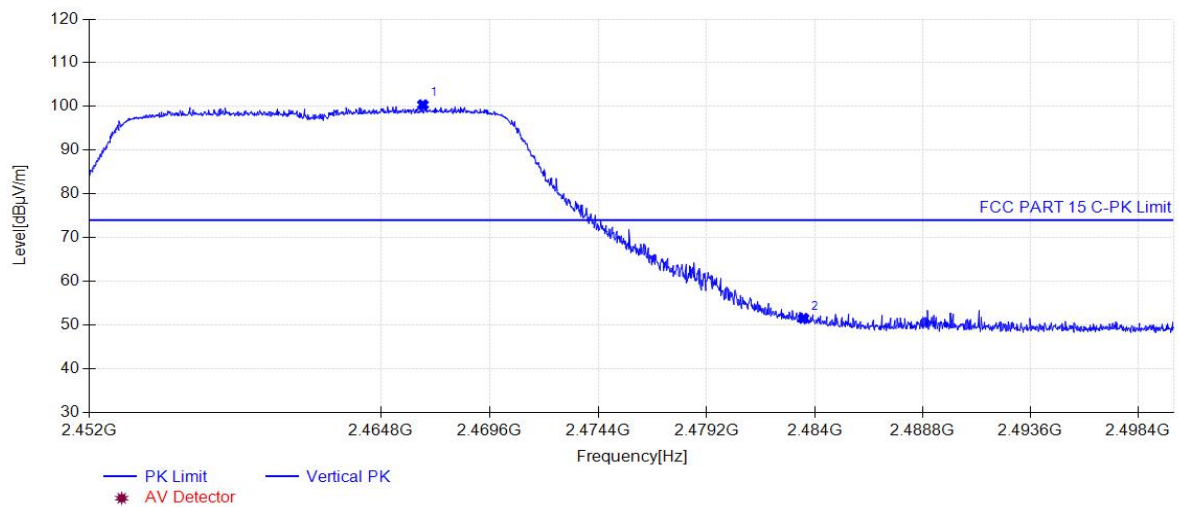


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2465.03	97.26	34.63	74.00	-23.26	160	94	Horizontal
2	2483.50	49.72	34.65	74.00	24.28	160	116	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant2		

Start of Test:2021-12-24 09:25:19

Test Graph

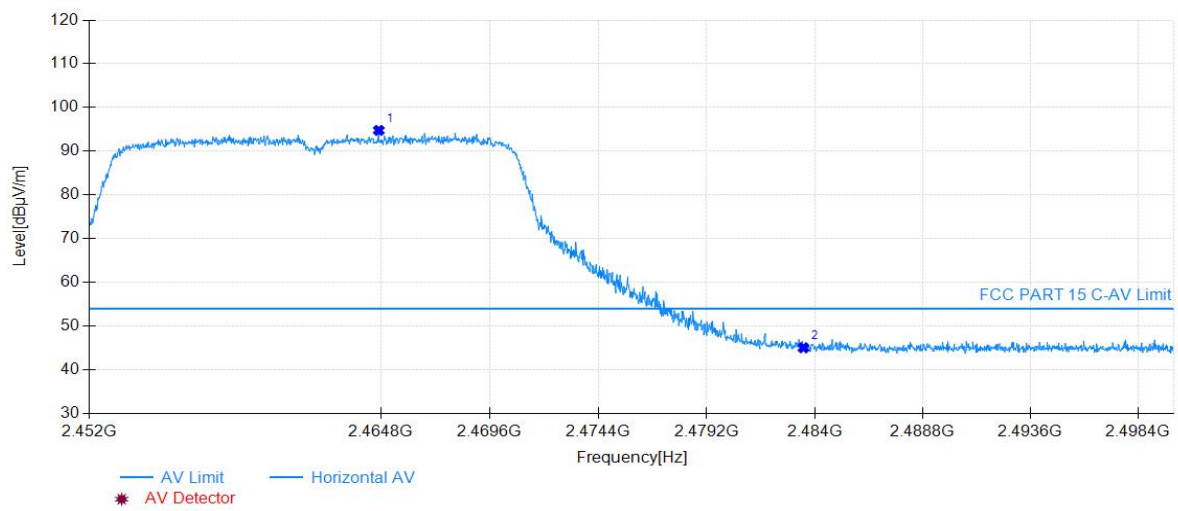


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2466.66	100.41	34.63	74.00	-26.41	160	132	Vertical
2	2483.50	51.55	34.65	74.00	22.45	160	88	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant2		

Start of Test:2021-12-24 09:27:03

Test Graph

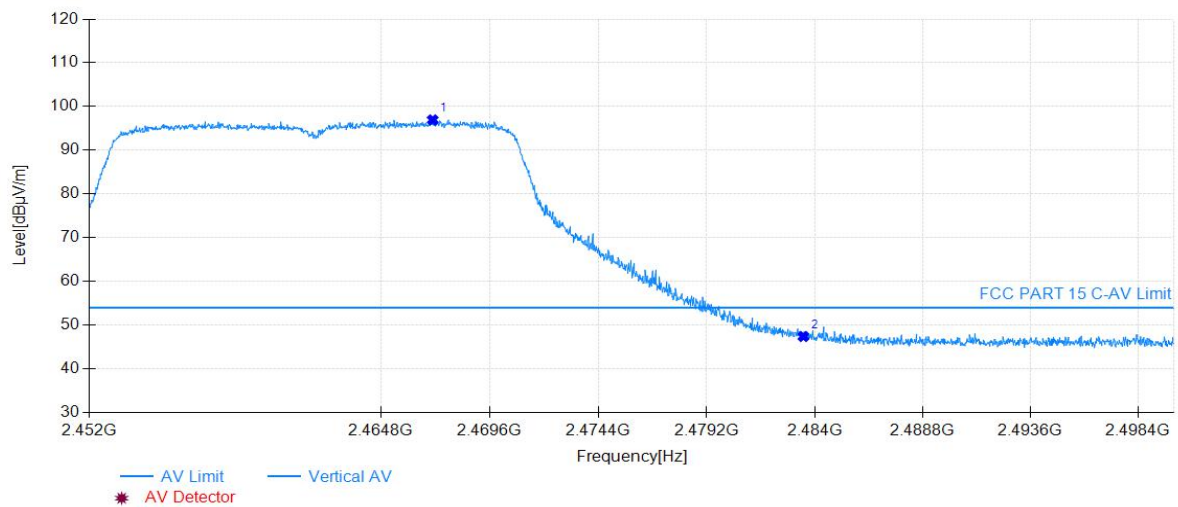


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2464.72	94.77	34.63	54.00	-40.77	160	108	Horizontal
2	2483.50	45.03	34.65	54.00	8.97	160	289	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant2		

Start of Test:2021-12-24 09:27:56

Test Graph

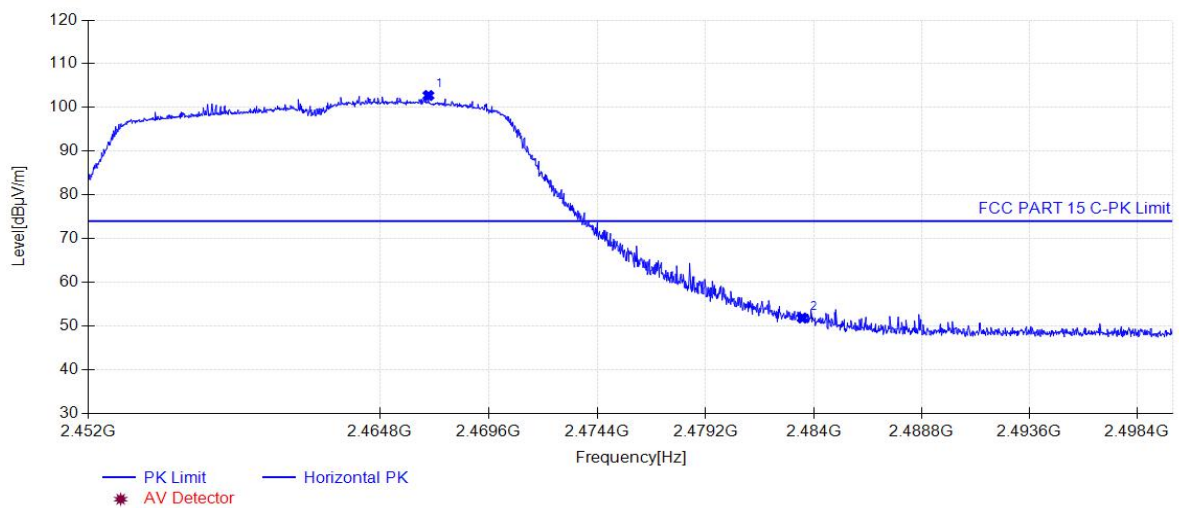


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.09	96.94	34.63	54.00	-42.94	160	139	Vertical
2	2483.50	47.38	34.65	54.00	6.62	160	139	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:32:24

Test Graph

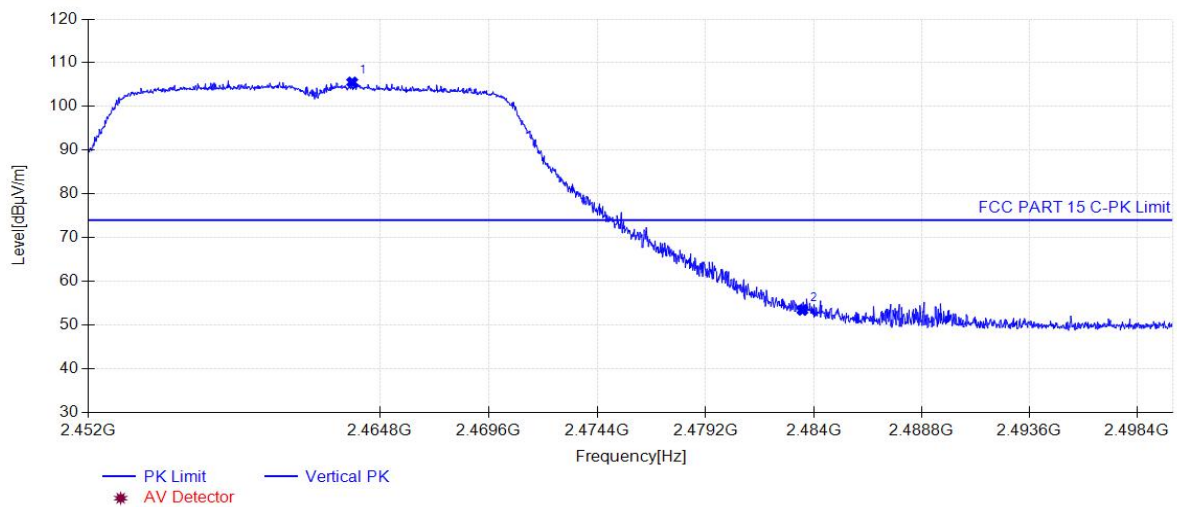


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2466.95	102.75	34.63	74.00	-28.75	160	260	Horizontal
2	2483.50	51.84	34.65	74.00	22.16	160	253	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:33:16

Test Graph

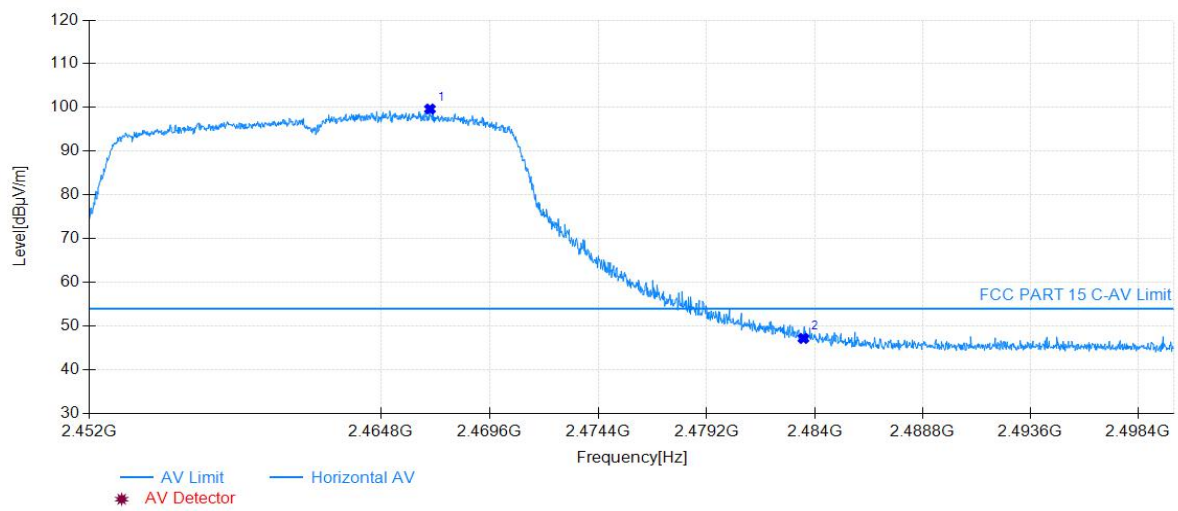


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2463.59	105.58	34.63	74.00	-31.58	160	328	Vertical
2	2483.50	53.41	34.65	74.00	20.59	160	1	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:34:25

Test Graph

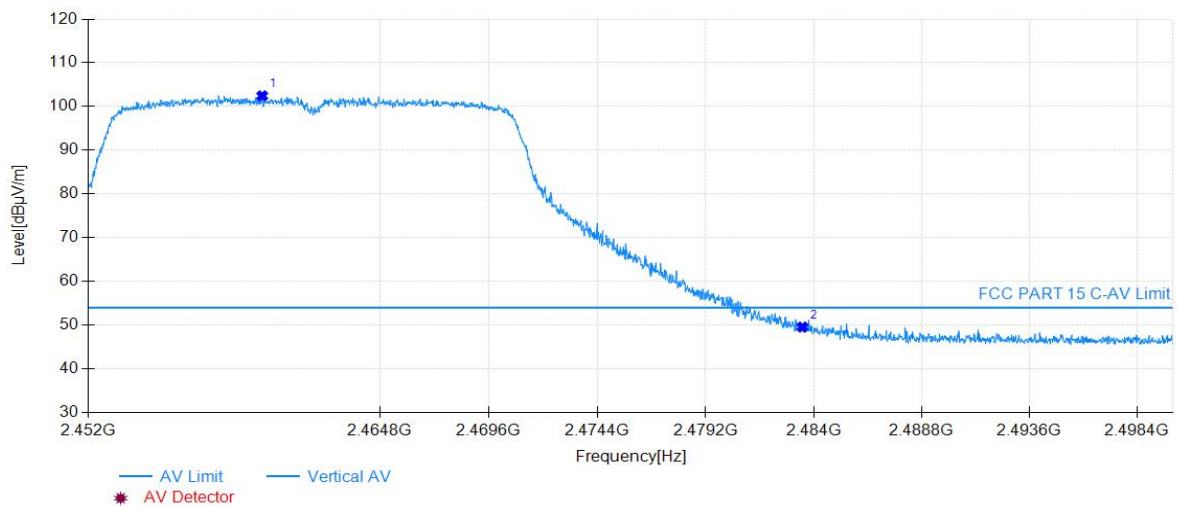


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2466.97	99.66	34.63	54.00	-45.66	160	256	Horizontal
2	2483.50	47.18	34.65	54.00	6.82	160	256	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N20 at Channel 2462MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:35:17

Test Graph

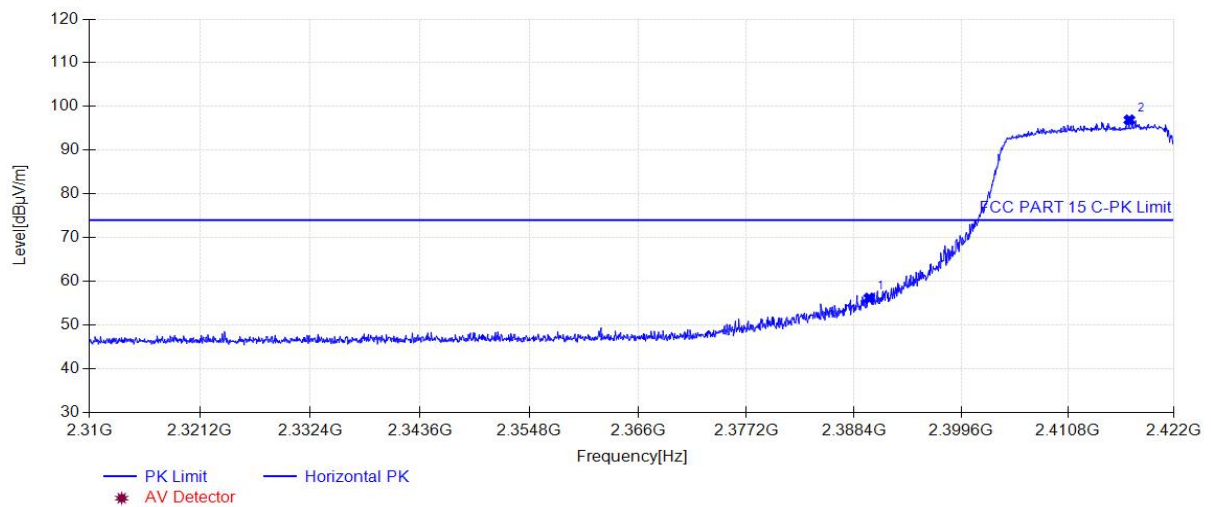


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2459.63	102.44	34.63	54.00	-48.44	160	330	Vertical
2	2483.50	49.54	34.65	54.00	4.46	160	357	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1		

Start of Test:2021-12-23 17:19:52

Test Graph

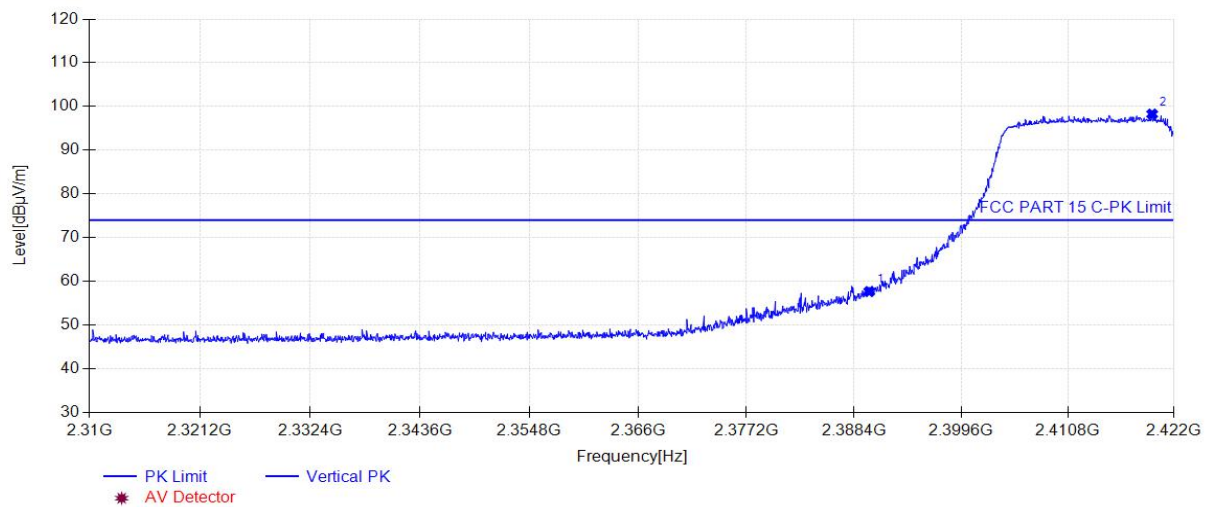


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	56.17	34.25	74.00	17.83	160	221	Horizontal
2	2417.29	96.92	34.41	74.00	-22.92	160	257	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1		

Start of Test:2021-12-23 17:20:44

Test Graph

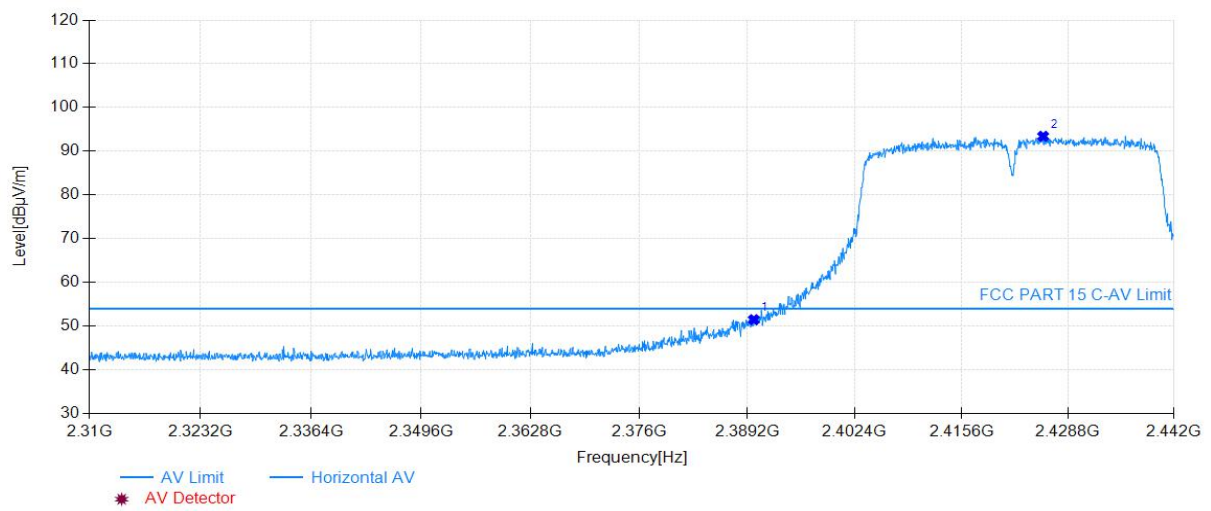


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	57.66	34.25	74.00	16.34	160	360	Vertical
2	2419.70	98.27	34.43	74.00	-24.27	160	255	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1		

Start of Test:2021-12-23 17:21:56

Test Graph

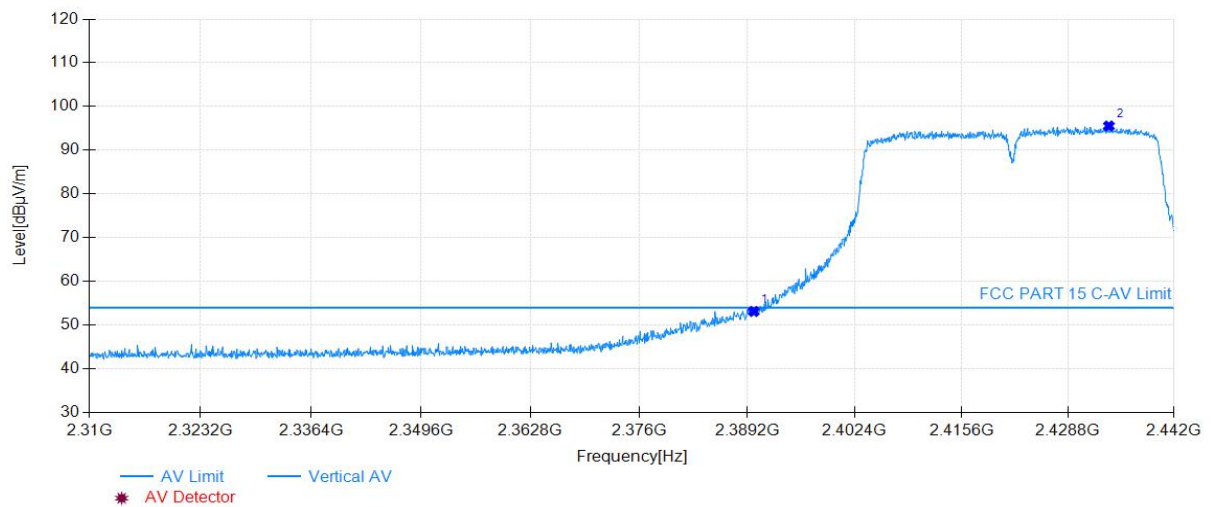


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	51.45	34.25	54.00	2.55	160	255	Horizontal
2	2425.69	93.42	34.46	54.00	-39.42	160	255	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1		

Start of Test:2021-12-23 17:22:49

Test Graph

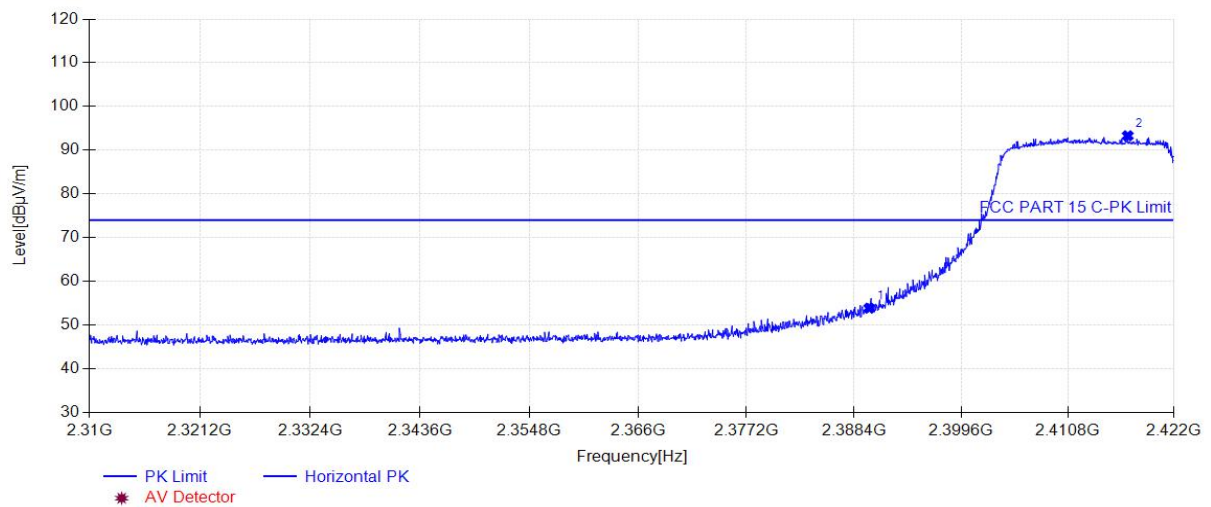


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	53.11	34.25	54.00	0.89	160	10	Vertical
2	2433.88	95.55	34.52	54.00	-41.55	160	338	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant2		

Start of Test:2021-12-23 17:15:20

Test Graph

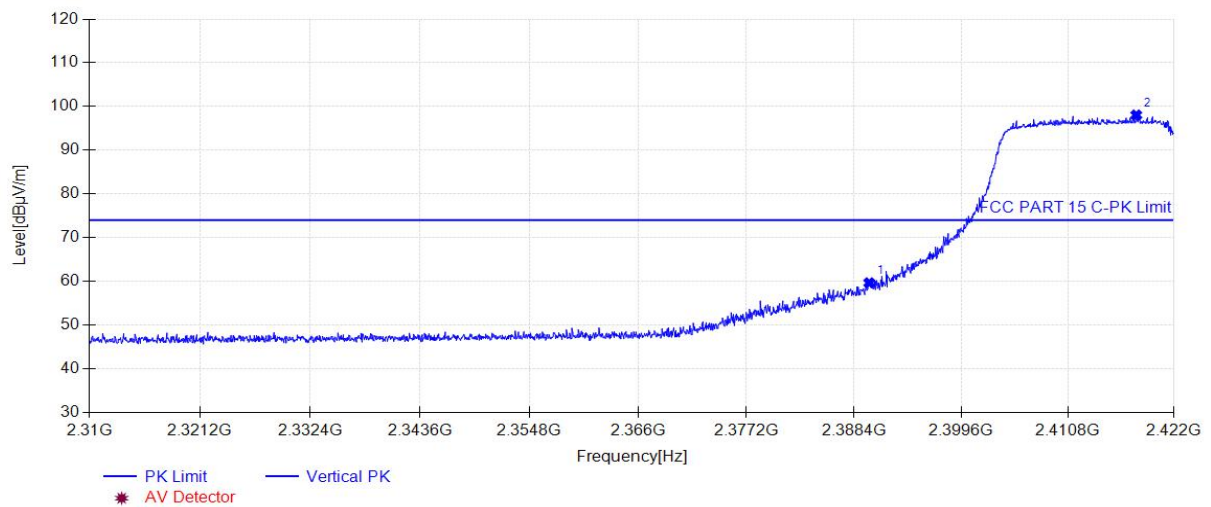


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	53.86	34.25	74.00	20.14	160	140	Horizontal
2	2417.12	93.31	34.41	74.00	-19.31	160	133	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant2		

Start of Test:2021-12-23 17:16:13

Test Graph

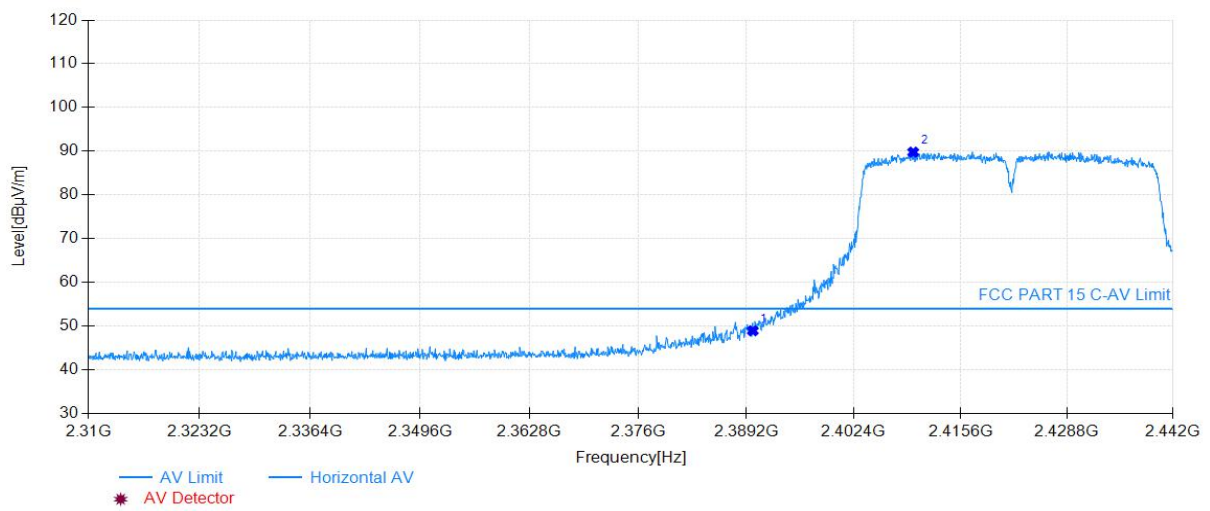


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	59.66	34.25	74.00	14.34	160	90	Vertical
2	2418.02	98.05	34.42	74.00	-24.05	160	337	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant2		

Start of Test:2021-12-23 17:17:29

Test Graph

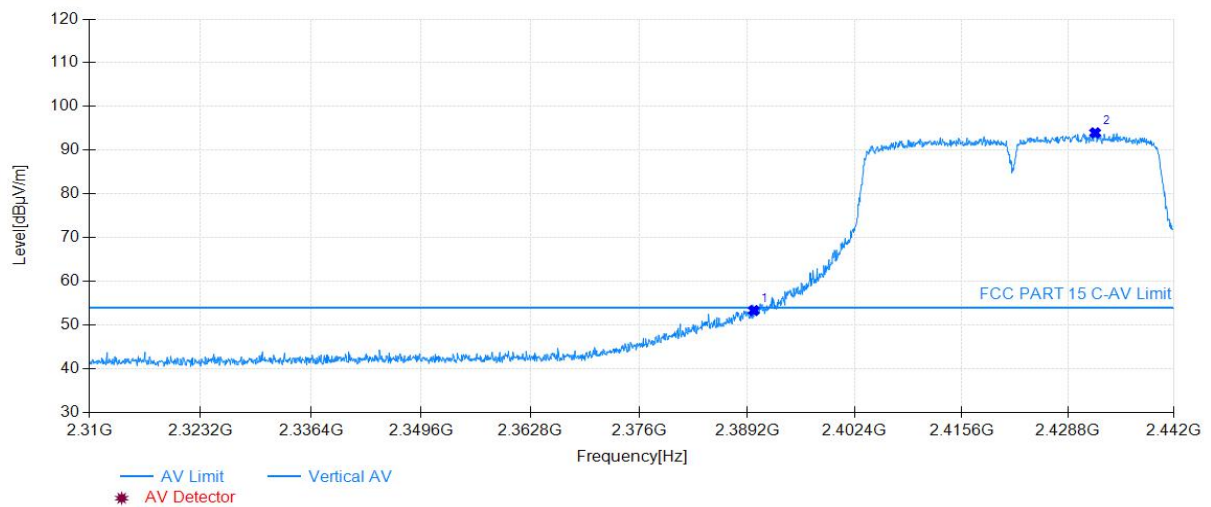


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	48.92	34.25	54.00	5.08	160	130	Horizontal
2	2409.72	89.79	34.36	54.00	-35.79	160	136	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant2		

Start of Test:2021-12-23 17:18:22

Test Graph

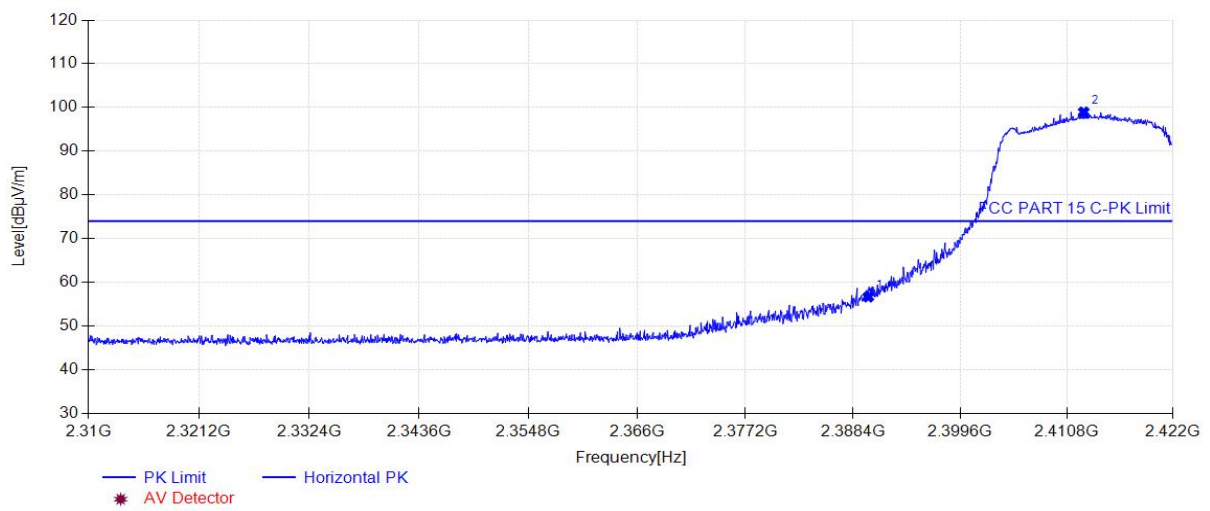


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	53.32	34.25	54.00	0.68	160	39	Vertical
2	2432.16	93.99	34.51	54.00	-39.99	160	147	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1+ Ant 2		

Start of Test:2021-12-23 17:07:52

Test Graph

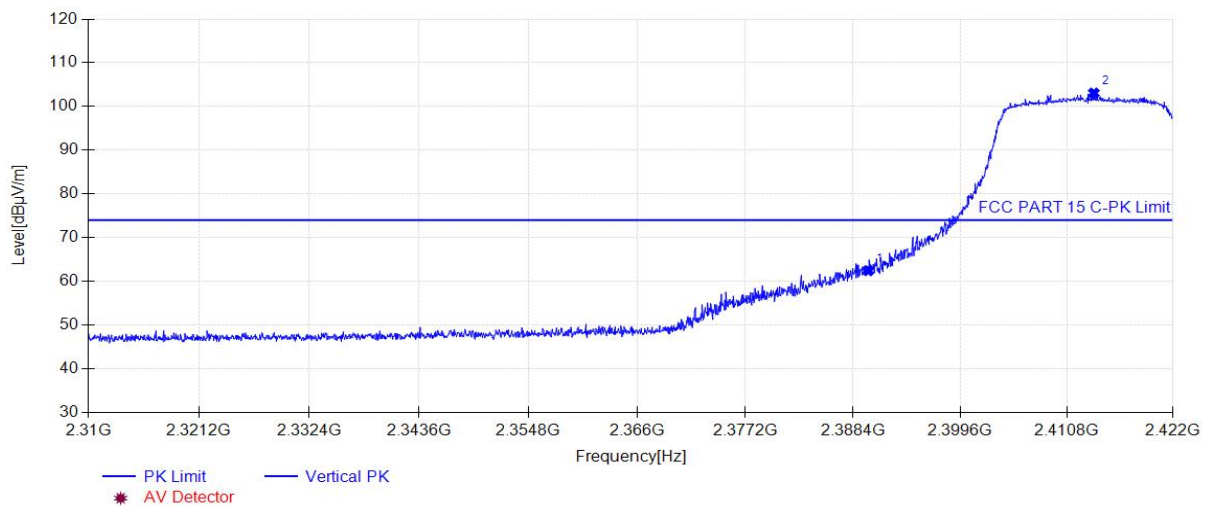


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	56.65	34.25	74.00	17.35	160	130	Horizontal
2	2412.59	98.98	34.38	74.00	-24.98	160	255	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1+ Ant 2		

Start of Test:2021-12-23 17:08:45

Test Graph

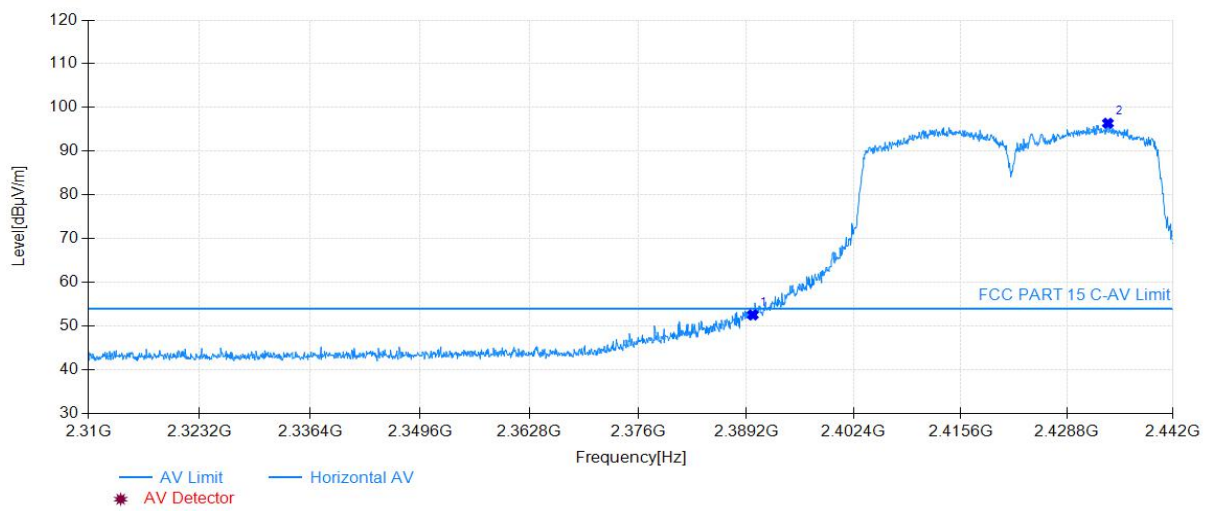


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	62.44	34.25	74.00	11.56	160	325	Vertical
2	2413.65	103.08	34.39	74.00	-29.08	160	333	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1+ Ant 2		

Start of Test:2021-12-23 17:10:08

Test Graph

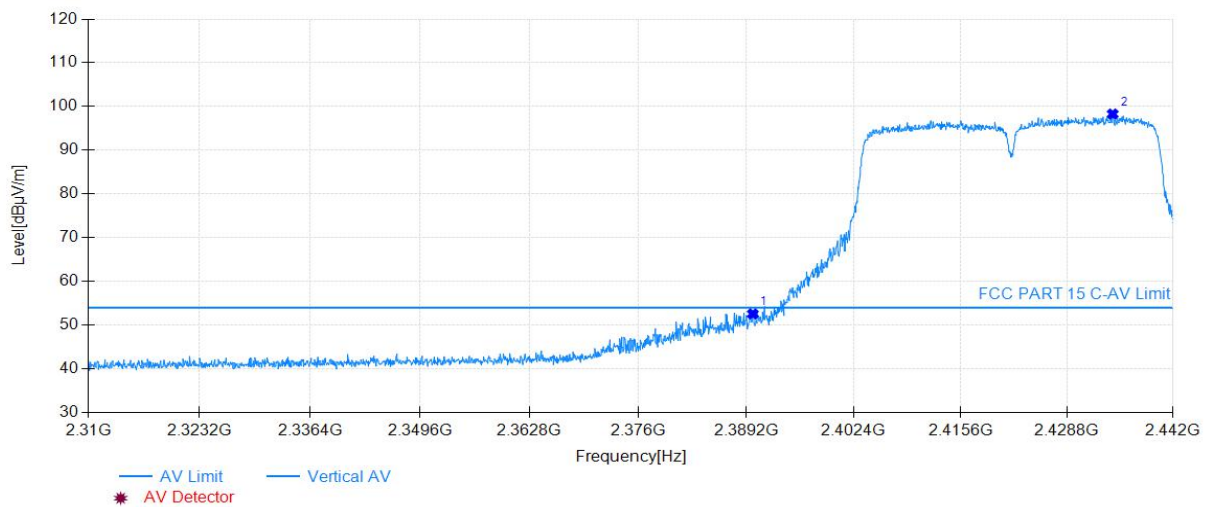


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	52.56	34.25	54.00	1.44	160	123	Horizontal
2	2433.88	96.40	34.52	54.00	-42.40	160	257	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2422MHz Ant1+ Ant 2		

Start of Test:2021-12-23 17:11:00

Test Graph

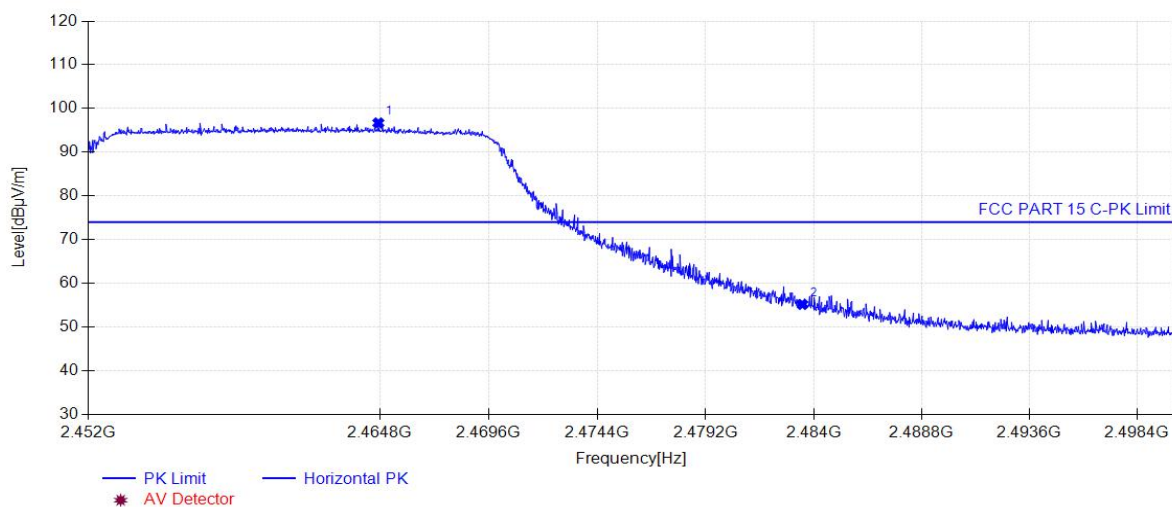


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2390.00	52.55	34.25	54.00	1.45	160	45	Vertical
2	2434.47	98.28	34.52	54.00	-44.28	160	327	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1		

Start of Test:2021-12-23 17:31:52

Test Graph

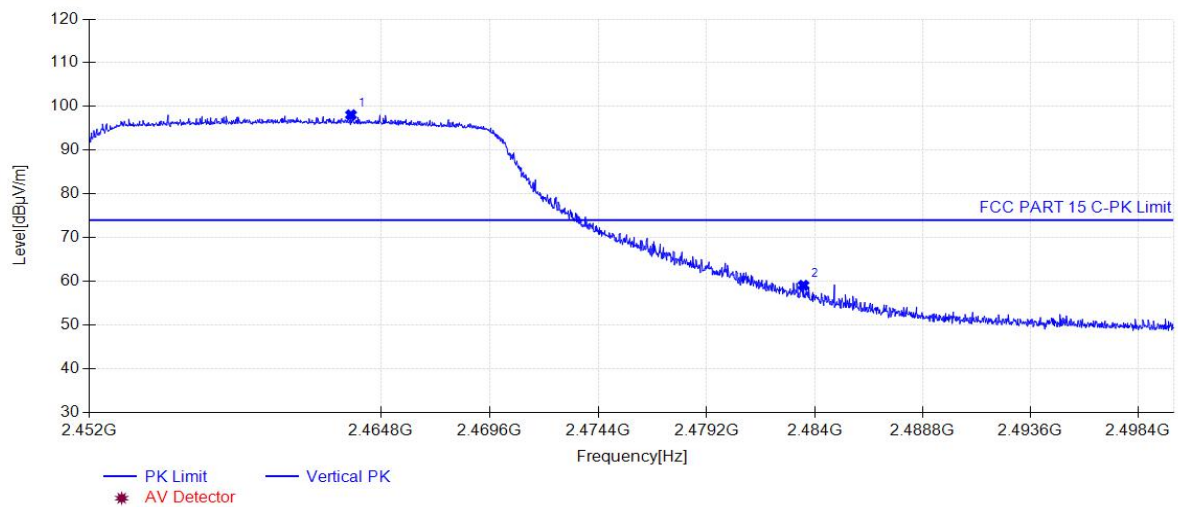


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2464.74	96.70	34.63	74.00	-22.70	160	256	Horizontal
2	2483.50	55.17	34.65	74.00	18.83	160	256	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1		

Start of Test:2021-12-23 17:32:45

Test Graph

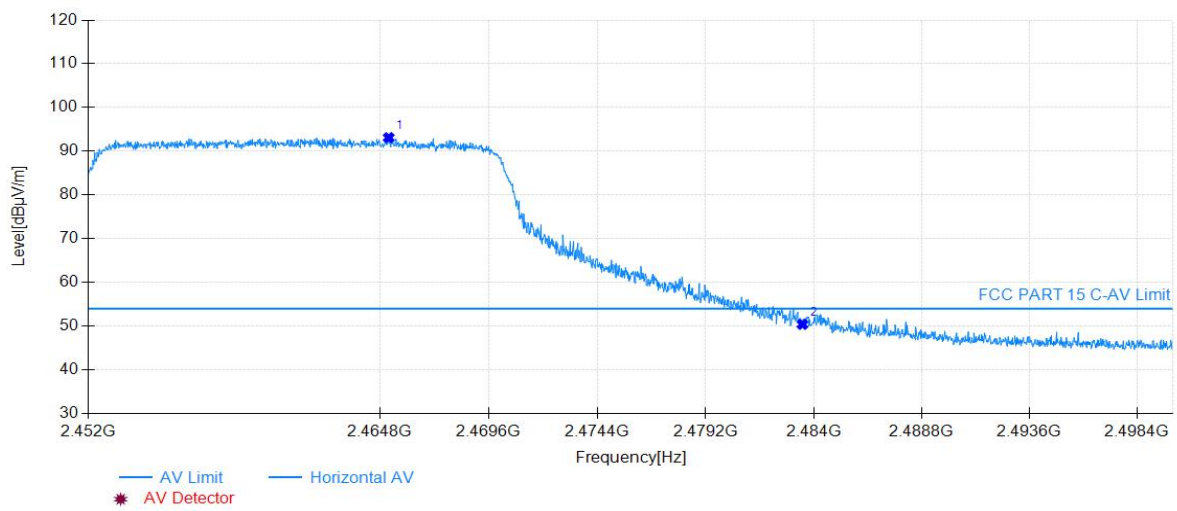


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2463.49	98.09	34.63	74.00	-24.09	160	257	Vertical
2	2483.50	59.08	34.65	74.00	14.92	160	323	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1		

Start of Test:2021-12-23 17:33:51

Test Graph

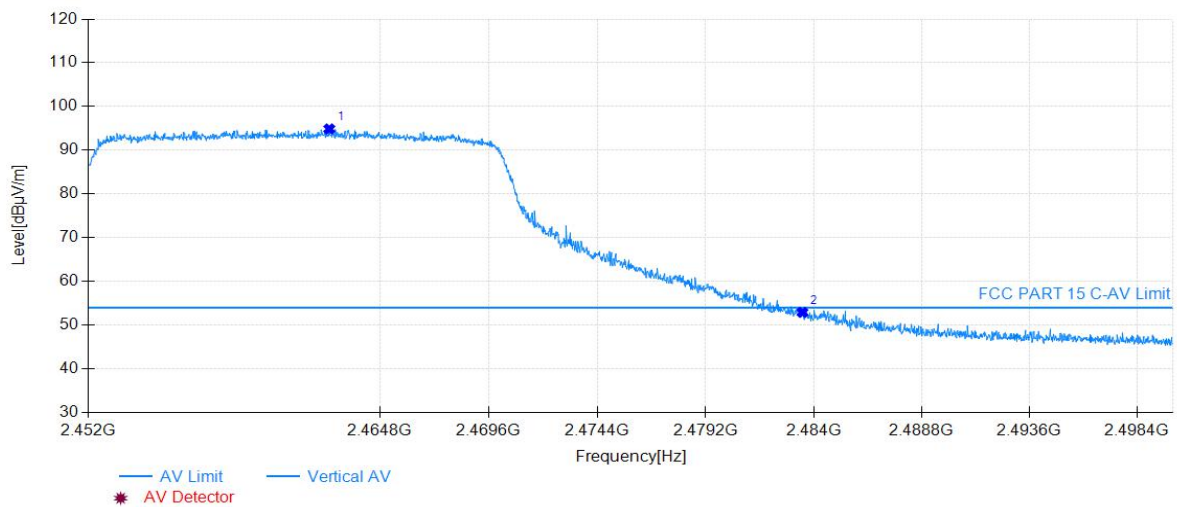


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2465.20	93.11	34.63	54.00	-39.11	160	254	Horizontal
2	2483.50	50.38	34.65	54.00	3.62	160	247	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1		

Start of Test:2021-12-23 17:34:43

Test Graph

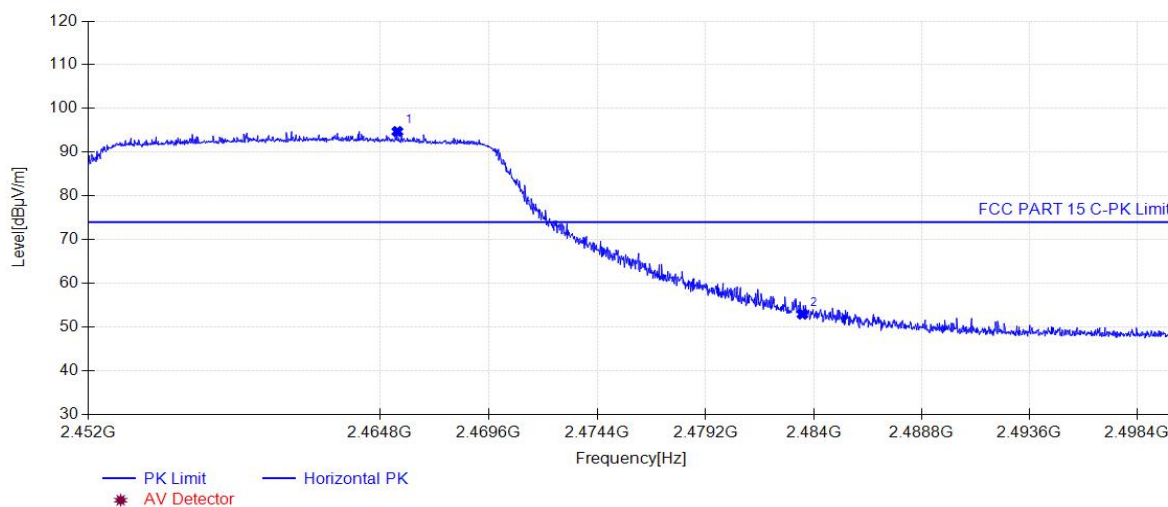


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.58	94.87	34.63	54.00	-40.87	160	256	Vertical
2	2483.50	52.89	34.65	54.00	1.11	160	321	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant2		

Start of Test:2021-12-24 09:09:33

Test Graph

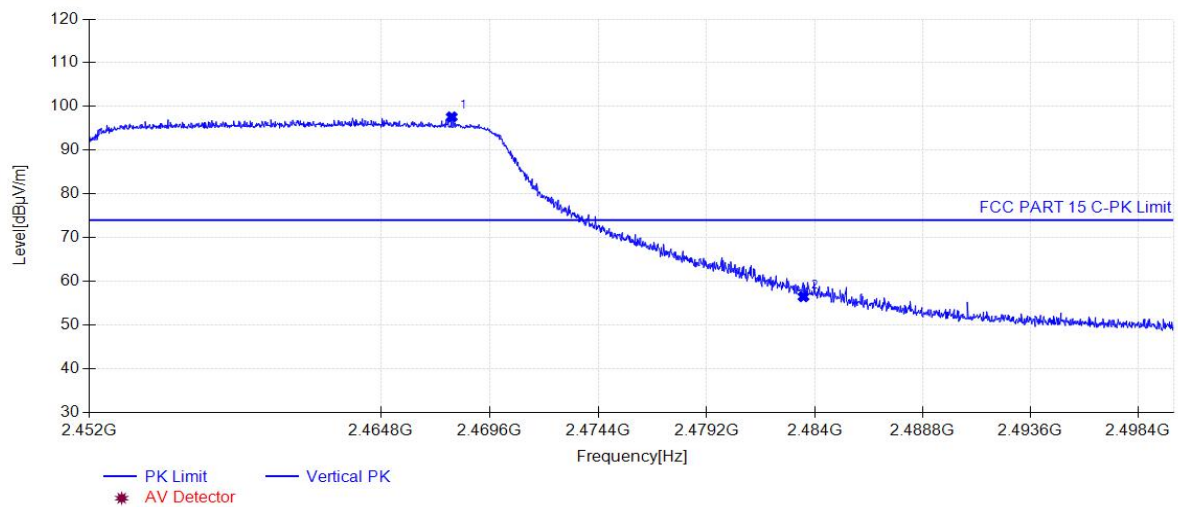


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2465.58	94.74	34.63	74.00	-20.74	160	105	Horizontal
2	2483.50	52.95	34.65	74.00	21.05	160	105	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant2		

Start of Test:2021-12-24 09:10:44

Test Graph

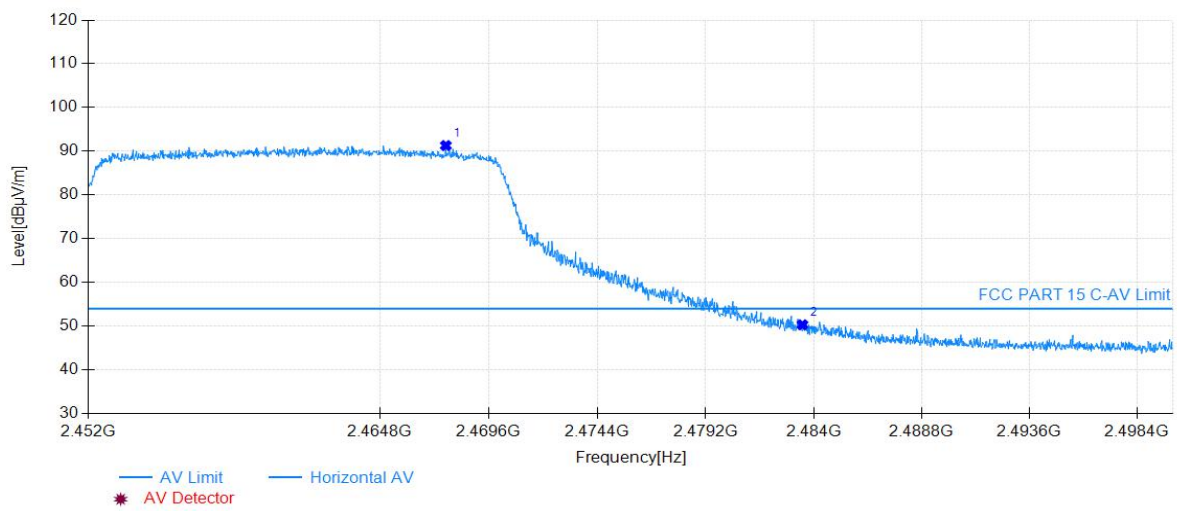


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.93	97.62	34.63	74.00	-23.62	160	34	Vertical
2	2483.50	56.48	34.65	74.00	17.52	160	318	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant2		

Start of Test:2021-12-24 09:12:14

Test Graph

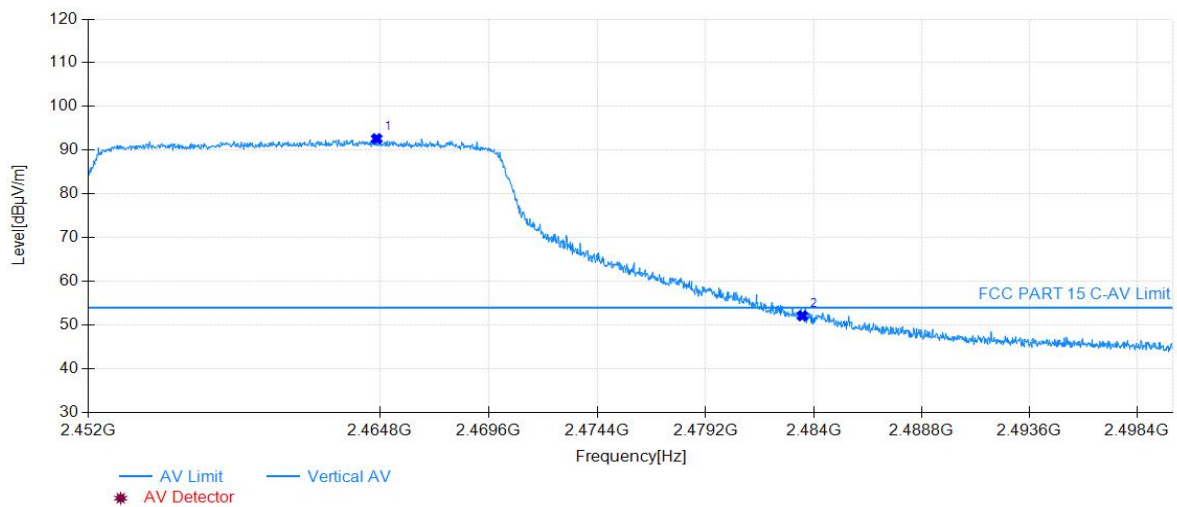


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2467.72	91.30	34.63	54.00	-37.30	160	104	Horizontal
2	2483.50	50.29	34.65	54.00	3.71	160	104	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant2		

Start of Test:2021-12-24 09:13:06

Test Graph

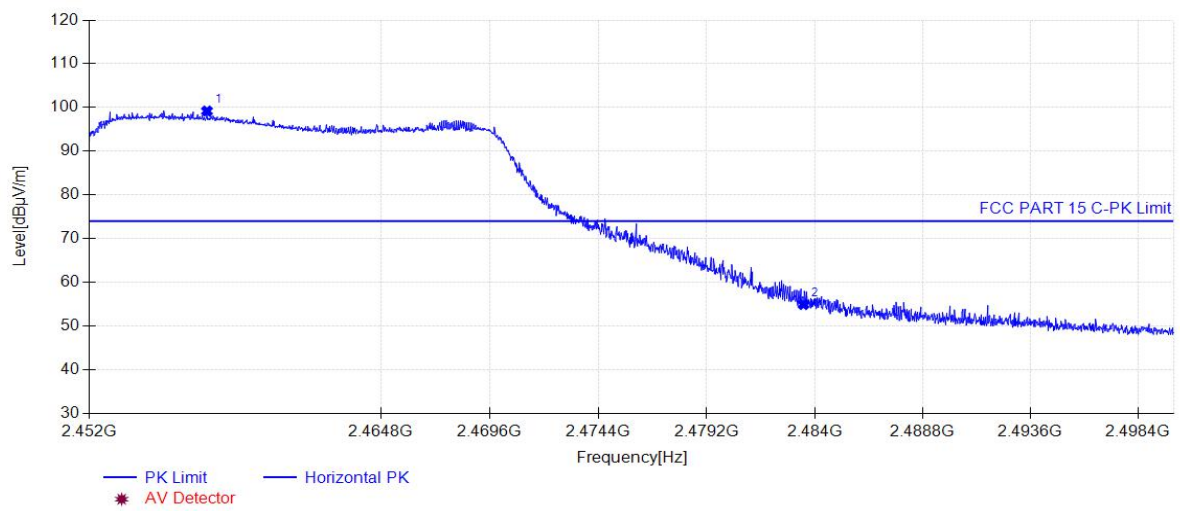


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2464.67	92.64	34.63	54.00	-38.64	160	143	Vertical
2	2483.50	52.11	34.65	54.00	1.89	160	328	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:15:09

Test Graph

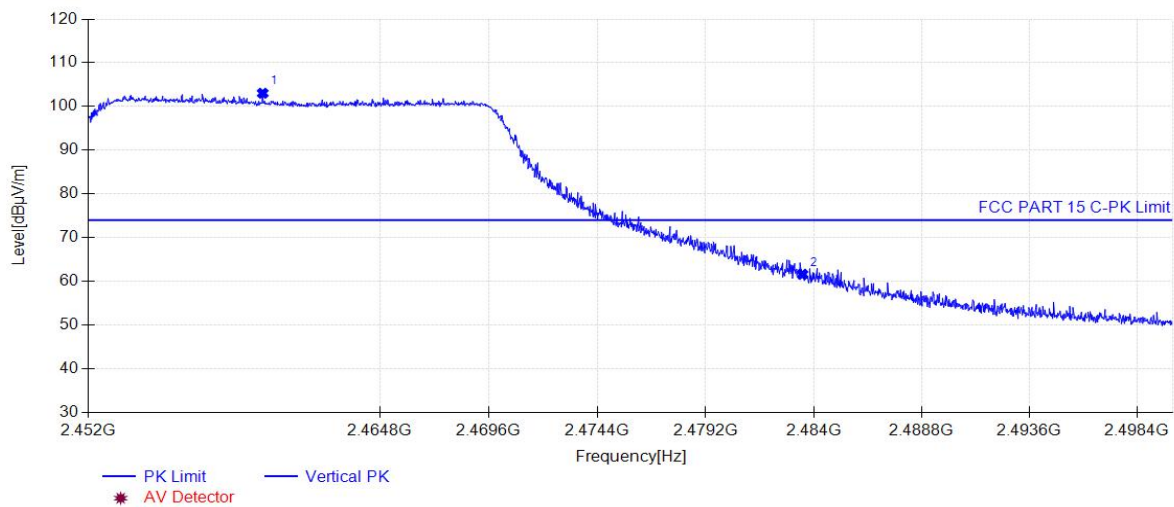


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2457.16	99.19	34.63	74.00	-25.19	160	250	Horizontal
2	2483.50	54.93	34.65	74.00	19.07	160	272	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:16:02

Test Graph

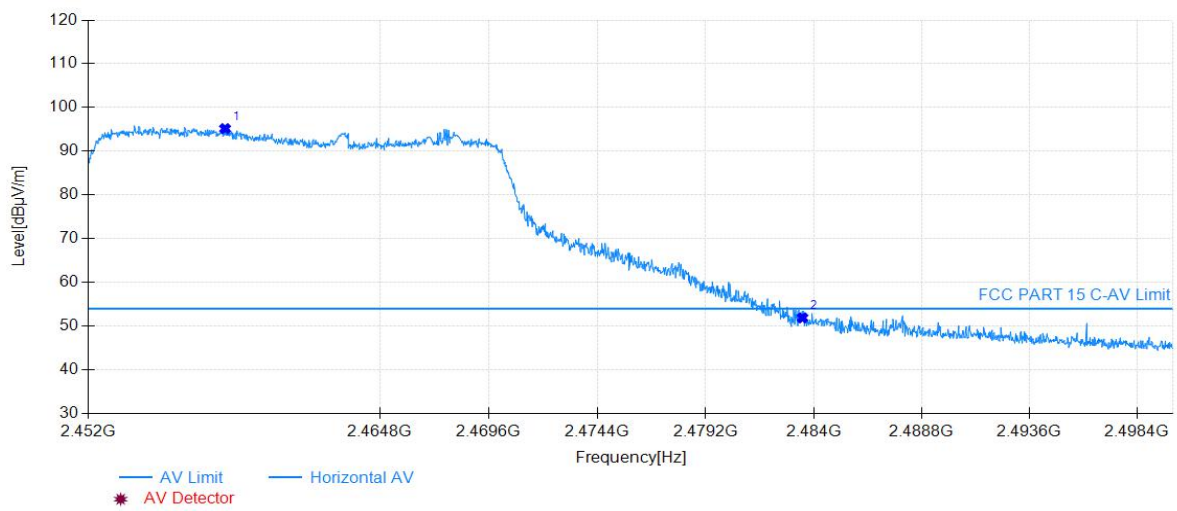


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2459.65	103.04	34.63	74.00	-29.04	160	320	Vertical
2	2483.50	61.61	34.65	74.00	12.39	160	350	Vertical

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:17:15

Test Graph

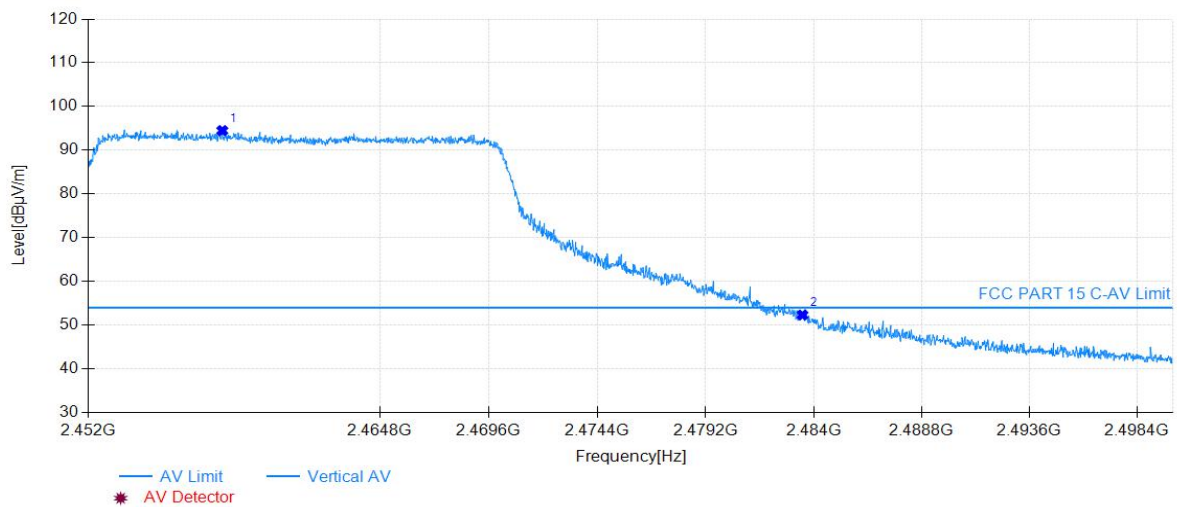


Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2458.00	95.16	34.63	54.00	-41.16	160	256	Horizontal
2	2483.50	51.88	34.65	54.00	2.12	160	264	Horizontal

Project Information			
EUT:	Dual Band 11AC Wireless Module	Model:	DR600VX
SN:	N/A	Voltage:	DC 3.3V
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia
Remark:	Transmit by 802.11N40 at Channel 2452MHz Ant1+ Ant 2		

Start of Test:2021-12-24 09:18:08

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2457.88	94.49	34.63	54.00	-40.49	160	314	Vertical
2	2483.50	52.30	34.65	54.00	1.70	160	307	Vertical

7.8. AC Conducted Emissions Measurement

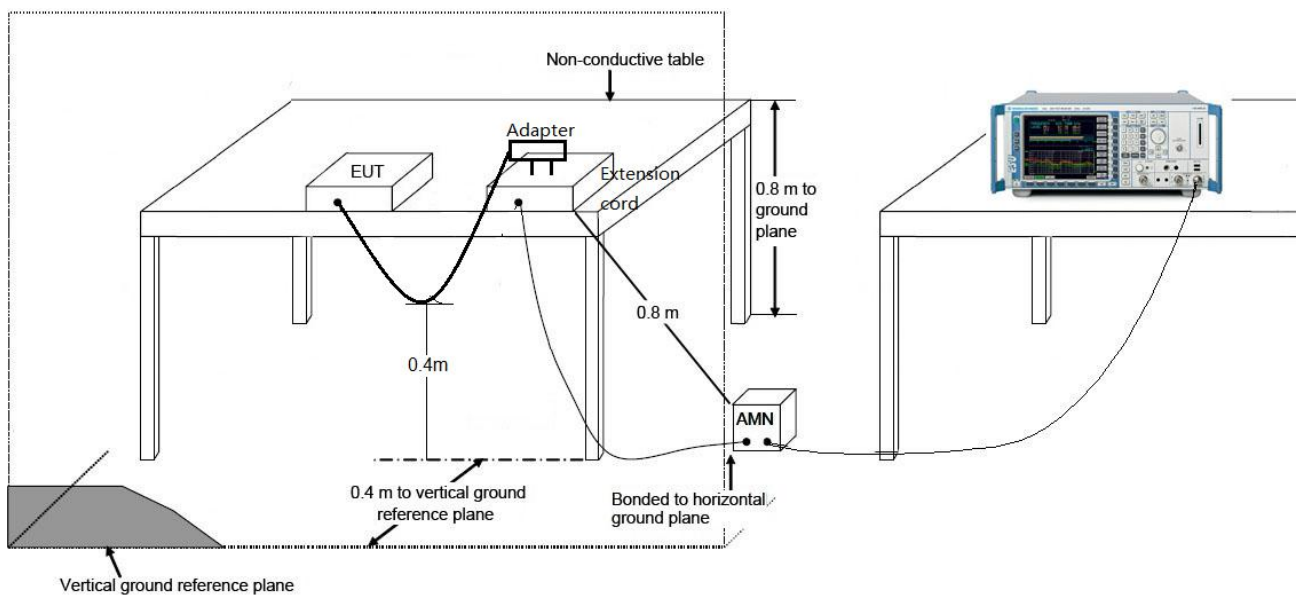
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3. Test Result

EUT is powered by DC Source, not applicable.

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **Dual Band 11AC Wireless Module** is in compliance with Part 15C of the FCC Rules and IC Rules.

_____ The End _____