

# FCC REPORT

## (WIFI)

**Applicant:** General Procurement, INC.

**Address of Applicant:** 800 E Dyer Road Santa Ana, Ca 92705Santa Ana, CA 92705  
United States

### Equipment Under Test (EUT)

**Product Name:** 3G smartphone

**Model No.:** A26062K, UW6009K, VR6031

**Trade mark:** HYUNDAI

**FCC ID:** S94A26062K

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247

**Date of sample receipt:** 02 May, 2017

**Date of Test:** 03 May, to 12 May, 2017

**Date of report issued:** 15 May, 2017

**Test Result:** PASS\*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang  
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

## 2 Version

Version No.	Date	Description
00	15 May, 2017	Original

**Tested by:**

Zora Lee

**Date:**

15 May, 2017

**Test Engineer**

**Reviewed by:**

Carry Chen

**Date:**

15 May, 2017

**Project Engineer**

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## 4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

*Pass: The EUT complies with the essential requirements in the standard.*

## 5 General Information

### 5.1 Client Information

Applicant:	General Procurement, INC.
Address of Applicant:	800 E Dyer Road Santa Ana, Ca 92705Santa Ana, CA 92705United States
Manufacturer/Factory:	General Procurement, INC.
Address of Manufacturer/Factory:	800 E Dyer Road Santa Ana, Ca 92705Santa Ana, CA 92705United States

### 5.2 General Description of E.U.T.

Product Name:	3G smartphone
Model No.:	A26062K, UW6009K, VR6031
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20)) 2422MHz~2452MHz (802.11n(H40))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20) 7 for 802.11n(H40)
Channel separation:	5MHz
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	Internal Antenna
Antenna gain:	-0.4dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V-2500mAh
AC adapter:	Model: TPA-46B050100UU Input: AC100-240V 50/60Hz 0.2A Output: DC 5.0V, 1000mA
Remark:	The No.: A26062K, UW6009K, VR6031 were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being Model name.

**Operation Frequency each of channel For 802.11b/g/n(H20)**

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

**Operation Frequency each of channel For 802.11n(H40)**

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
		4	2427MHz	7	2442MHz		
		5	2432MHz	8	2447MHz		
3	2422MHz	6	2437MHz	9	2452MHz		

**Note:**

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

802.11b/802.11g/802.11n (H20)

Channel	Frequency
The lowest channel	2412MHz
The middle channel	2437MHz
The Highest channel	2462MHz

802.11n (H40)

Channel	Frequency
The lowest channel	2422MHz
The middle channel	2437MHz
The Highest channel	2452MHz

### 5.3 Test environment and mode

<b>Operating Environment:</b>	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
<b>Test mode:</b>	
Operation mode	Keep the EUT in continuous transmitting with modulation
The sample was placed 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:										
<b>Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.</b>										
<table border="1"> <thead> <tr> <th>Mode</th><th>Data rate</th></tr> </thead> <tbody> <tr> <td>802.11b</td><td>1Mbps</td></tr> <tr> <td>802.11g</td><td>6Mbps</td></tr> <tr> <td>802.11n(H20)</td><td>6.5Mbps</td></tr> <tr> <td>802.11n(H40)</td><td>13.5Mbps</td></tr> </tbody> </table>	Mode	Data rate	802.11b	1Mbps	802.11g	6Mbps	802.11n(H20)	6.5Mbps	802.11n(H40)	13.5Mbps
Mode	Data rate									
802.11b	1Mbps									
802.11g	6Mbps									
802.11n(H20)	6.5Mbps									
802.11n(H40)	13.5Mbps									

#### Final Test Mode:

According to ANSI C63.4 standards, the test results are both the “worst case” and “worst setup” 1Mbps for 802.11b, 6Mbps for 802.11g, 6.5Mbps for 802.11n(H20) and 13.5 Mbps for 802.11n(H40). Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

### 5.4 Measurement Uncertainty

Items	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 30MHz)	2.14 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	4.24 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	4.35 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	4.44 dB (k=2)
Radiated Emission (18GHz ~ 26.5GHz)	4.56 dB (k=2)

### 5.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 817957**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

- IC - Registration No.: 10106A-1**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- CNAS - Registration No.: CNAS L6048**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of

testing. The Registration No. is CNAS L6048.

## **5.6 Laboratory Location**

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282

Fax: +86-755-23116366

## 5.7 Test Instruments list

Radiated Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	02-25-2017	02-24-2018
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	02-25-2017	02-24-2018
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	02-25-2017	02-24-2018
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	02-25-2017	02-24-2018
6	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	02-25-2017	02-24-2018
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	02-25-2017	02-24-2018
8	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	02-25-2017	02-24-2018
9	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	02-25-2017	02-24-2018
10	Loop antenna	Laplace instrument	RF300	EMC0701	02-25-2017	02-24-2018
11	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
12	Coaxial Cable	N/A	N/A	CCIS0018	02-25-2017	02-24-2018
13	Coaxial Cable	N/A	N/A	CCIS0020	02-25-2017	02-24-2018

Conducted Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	08-23-2014	08-22-2017
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	02-25-2017	02-24-2018
3	LISN	CHASE	MN2050D	CCIS0074	02-25-2017	02-24-2018
4	Coaxial Cable	CCIS	N/A	CCIS0086	02-25-2017	02-24-2018
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

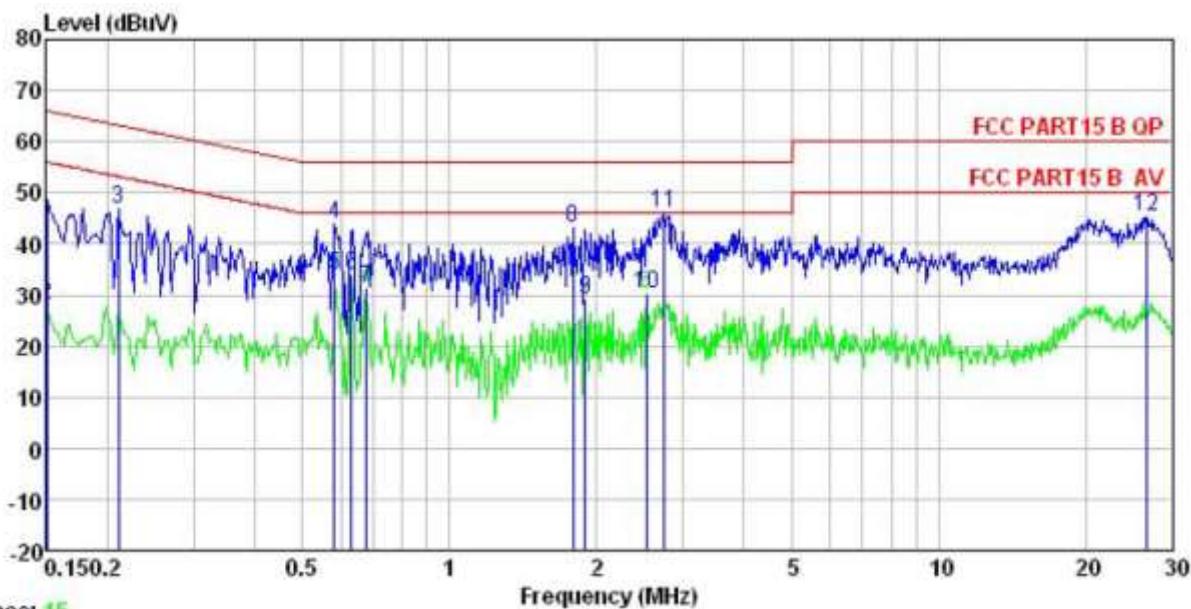
## 6 Test results and Measurement Data

### 6.1 Antenna requirement:

<b>Standard requirement:</b>	FCC Part 15 C Section 15.203 /247(c)
<p><b>15.203 requirement:</b> <i>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</i></p>	
<p><b>15.247(c) (1)(i) requirement:</b> <i>(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.</i></p>	
<b>E.U.T Antenna:</b>	
<p>The WiFi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is -0.4 dBi.</p>	
	

## 6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15.207		
Test Method:	ANSI C63.4: 2014		
Test Frequency Range:	150 kHz to 30 MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9 kHz, VBW=30 kHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
* Decreases with the logarithm of the frequency.			
Test procedure	<ol style="list-style-type: none"> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.</li> </ol>		
Test setup:	<p>Reference Plane</p> <p>LISN</p> <p>AUX Equipment</p> <p>E.U.T</p> <p>Test table/Insulation plane</p> <p>EMI Receiver</p> <p>Filter</p> <p>AC power</p> <p>40cm</p> <p>80cm</p> <p>Remark E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</p>		
Test Instruments:	Refer to section 5.6 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		

**Measurement Data:****Neutral:**

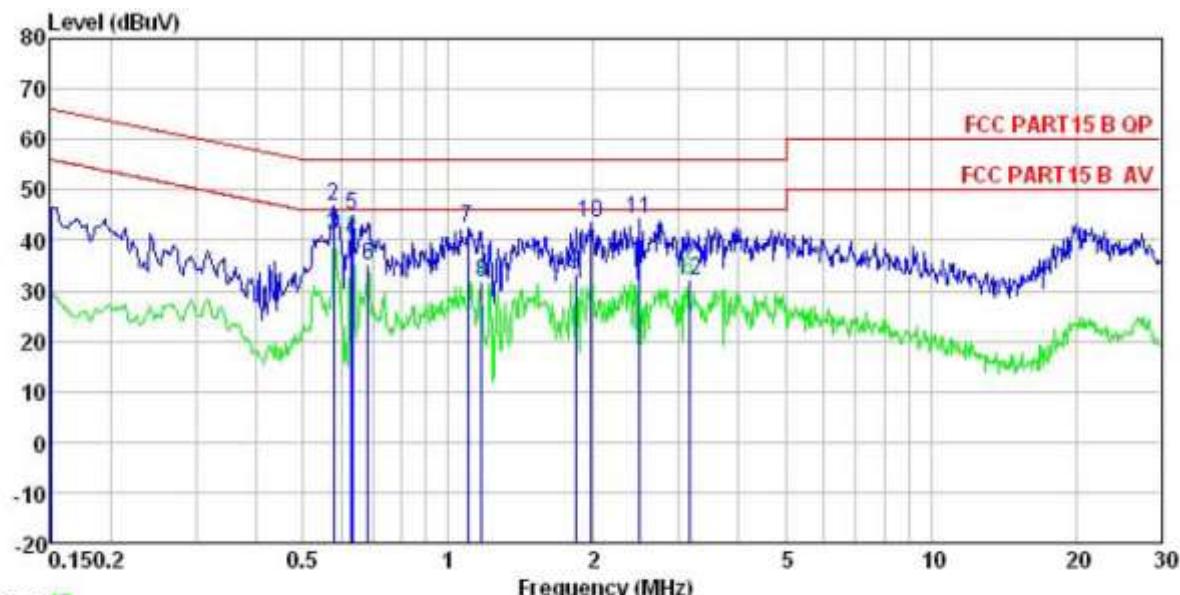
Site : CCIS Shielding Room  
 Condition : FCC PART15 B QP LISN NEUTRAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test Mode : WIFI mode  
 Power Rating : AC 120/60Hz  
 Environment : Temp: 23 °C Humi:56% Atmos:101KPa  
 Test Engineer: Zora  
 Remark :

Freq	Read	LISN	Cable	Limit	Over	Remark
	MHz	Level	Factor			
	MHz	dBuV	dB	dB	dBuV	dB
1	0.150	37.90	0.12	10.78	48.80	66.00 -17.20 QP
2	0.150	16.93	0.12	10.78	27.83	56.00 -28.17 Average
3	0.211	35.89	0.16	10.76	46.81	63.18 -16.37 QP
4	0.582	32.89	0.28	10.77	43.94	56.00 -12.06 QP
5	0.582	22.83	0.28	10.77	33.88	46.00 -12.12 Average
6	0.630	22.89	0.30	10.77	33.96	46.00 -12.04 Average
7	0.675	20.31	0.32	10.77	31.40	46.00 -14.60 Average
8	1.790	31.83	0.26	10.95	43.04	56.00 -12.96 QP
9	1.898	17.95	0.26	10.95	29.16	46.00 -16.84 Average
10	2.527	18.96	0.29	10.94	30.19	46.00 -15.81 Average
11	2.736	34.65	0.30	10.93	45.88	56.00 -10.12 QP
12	26.699	34.22	0.26	10.87	45.35	60.00 -14.65 QP

**Notes:**

1. An initial pre-scan was performed on the live and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Cable Loss.

Line:



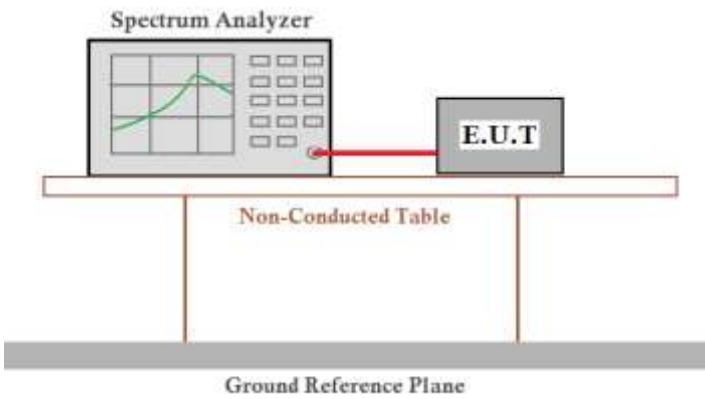
Site : CCIS Shielding Room  
 Condition : FCC PART15 B QP LISN LINE  
 EUT : 3G smartphone  
 Model : A26062K  
 Test Mode : WIFI mode  
 Power Rating : AC 120/60Hz  
 Environment : Temp: 23 °C Huni:56% Atmos:101KPa  
 Test Engineer: Zora  
 Remark :

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	35.60	0.14	10.78	46.52	66.00	-19.48	QP
2	0.579	35.62	0.27	10.77	46.66	56.00	-9.34	QP
3	0.579	29.87	0.27	10.77	40.91	46.00	-5.09	Average
4	0.630	28.98	0.30	10.77	40.05	46.00	-5.95	Average
5	0.634	33.97	0.30	10.77	45.04	56.00	-10.96	QP
6	0.683	23.79	0.31	10.77	34.87	46.00	-11.13	Average
7	1.100	31.23	0.27	10.88	42.38	56.00	-13.62	QP
8	1.172	20.48	0.27	10.89	31.64	46.00	-14.36	Average
9	1.839	21.94	0.31	10.95	33.20	46.00	-12.80	Average
10	1.970	32.01	0.32	10.96	43.29	56.00	-12.71	QP
11	2.487	33.02	0.33	10.94	44.29	56.00	-11.71	QP
12	3.156	20.66	0.33	10.91	31.90	46.00	-14.10	Average

Notes:

- An initial pre-scan was performed on the live and neutral lines with peak detector.
- Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- Final Level =Receiver Read level + LISN Factor + Cable Loss.

### 6.3 Conducted Output Power

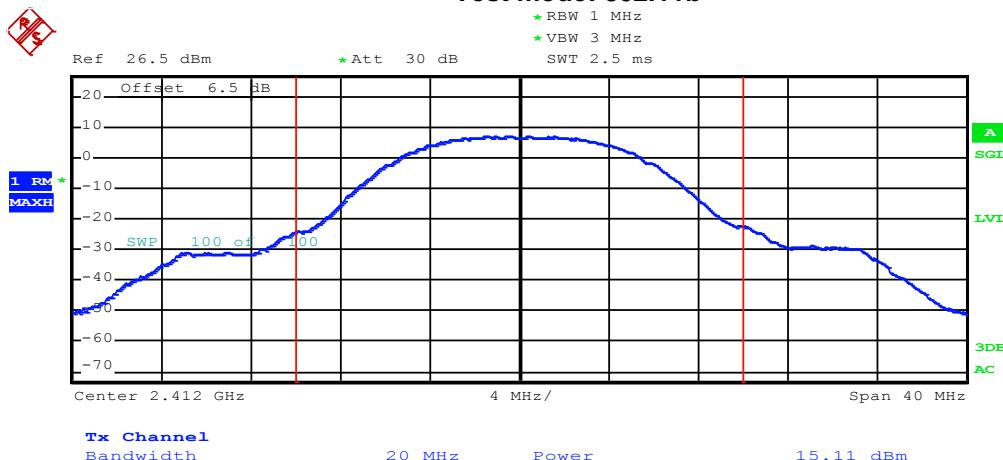
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2013 and KDB558074v03r05 section 9.2.2.2
Limit:	30dBm
Test setup:	 <p>The diagram illustrates the test setup for conducted output power. A Spectrum Analyzer is connected to the E.U.T (Equipment Under Test) via a cable. The E.U.T is placed on a Non-Conducted Table. The entire assembly sits on a Ground Reference Plane.</p>
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

#### Measurement Data:

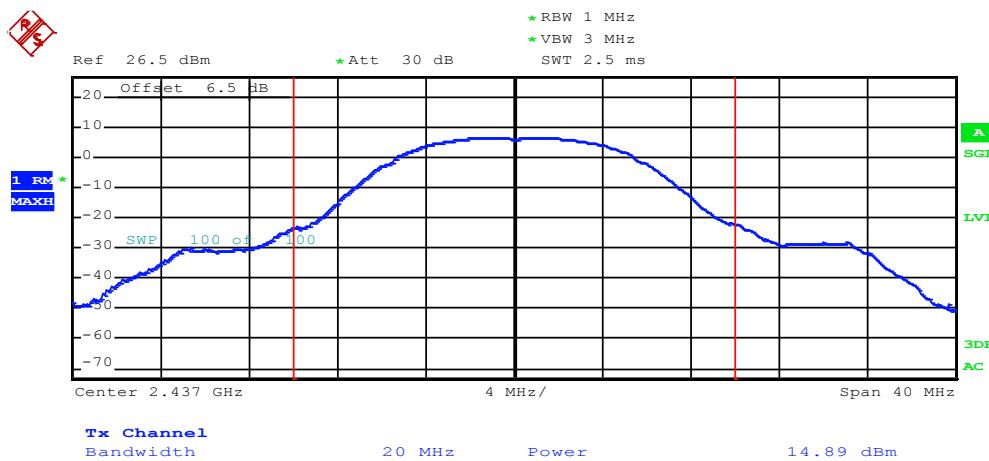
Test CH	Maximum Conducted Output Power (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	15.11	12.56	12.23	12.23	30.00	Pass
Middle	14.89	13.18	12.63	12.45		
Highest	15.10	13.37	12.93	12.48		

Test plot as follows:

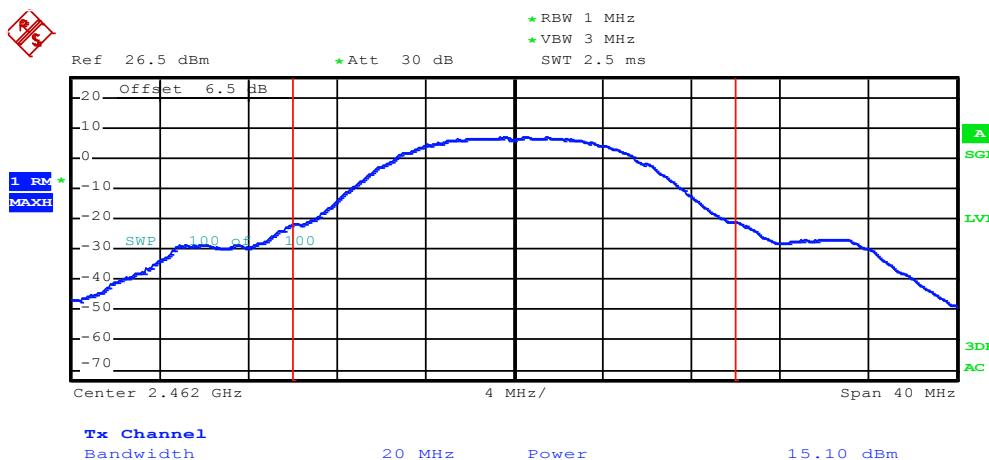
**Test mode: 802.11b**



Lowest channel

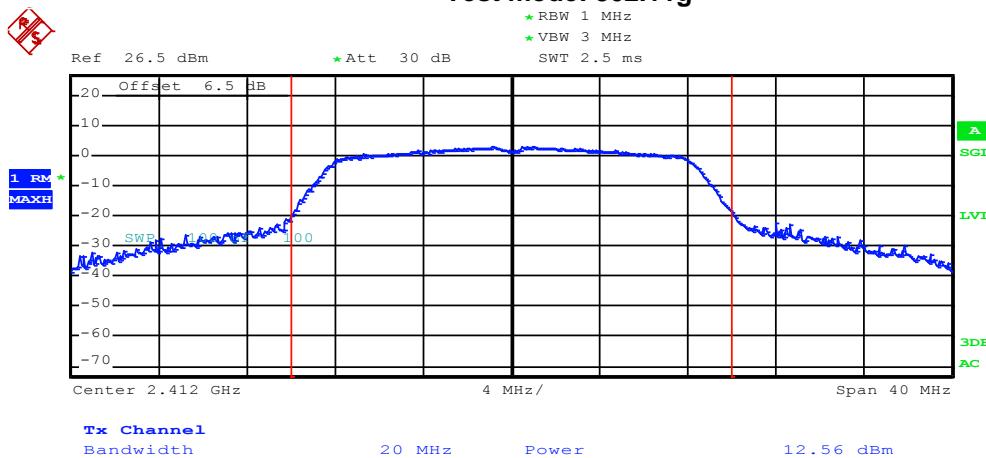


Middle channel

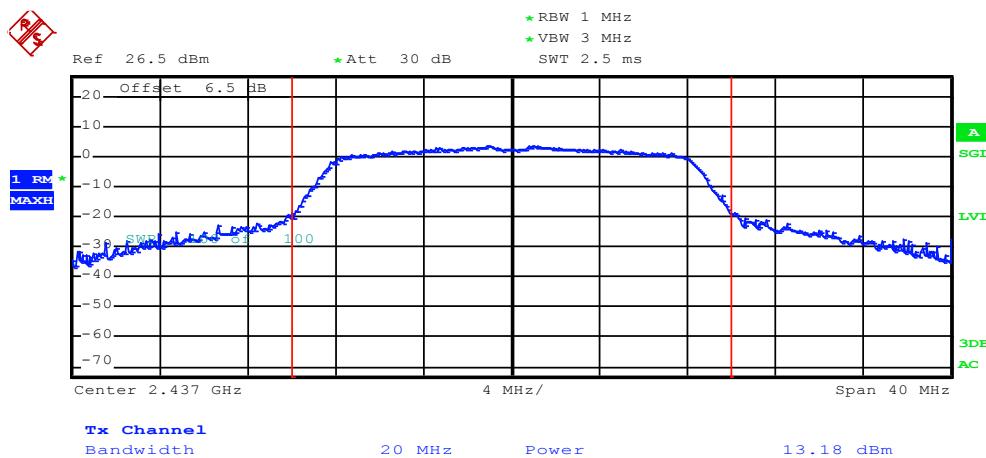


Highest channel

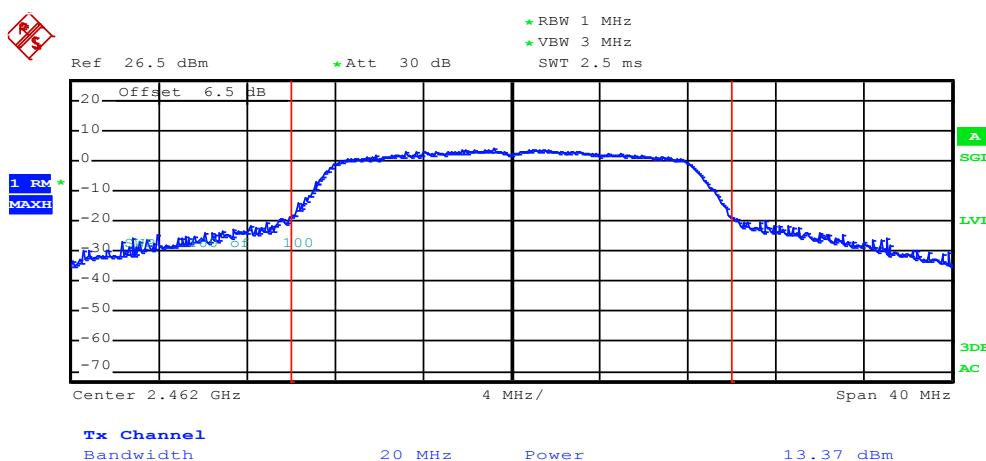
### Test mode: 802.11g



### Lowest channel

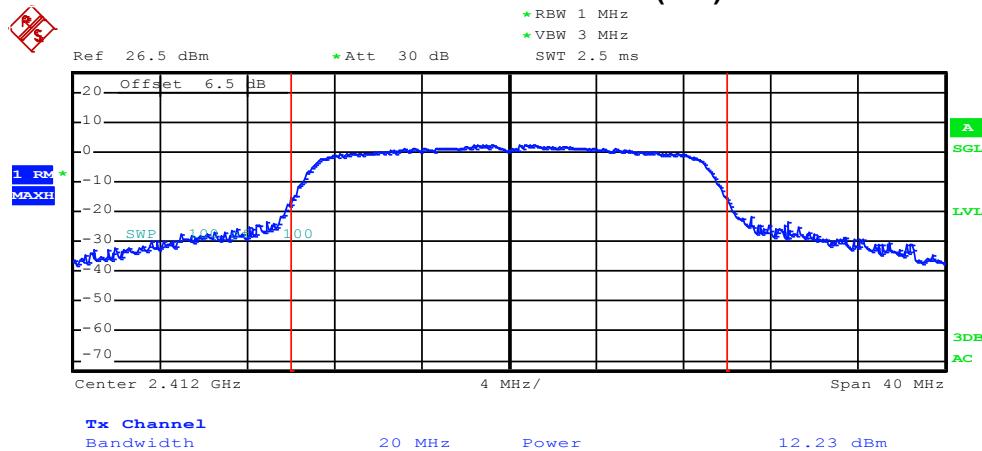


### Middle channel

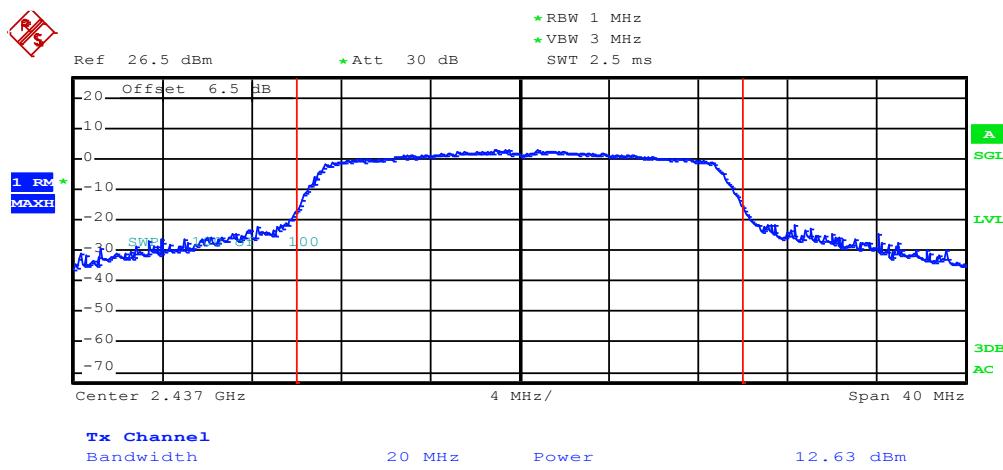


### Highest channel

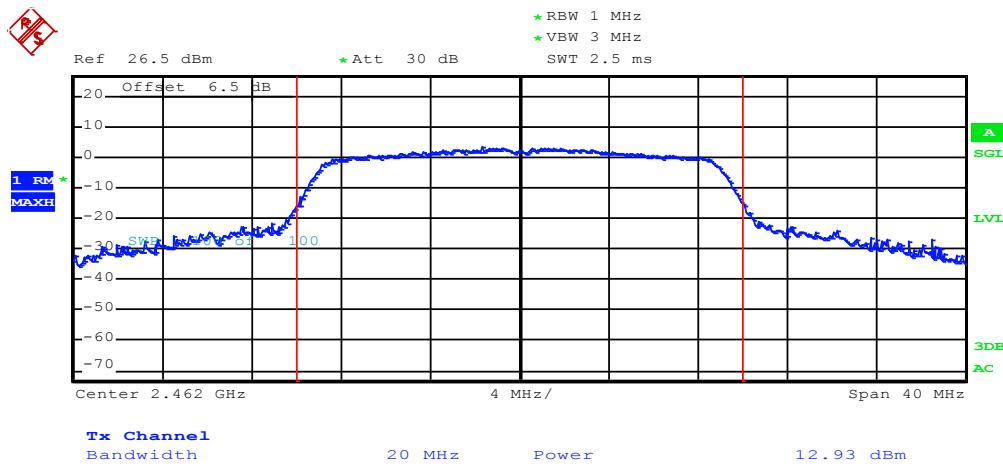
### Test mode: 802.11n(H20)



### Lowest channel

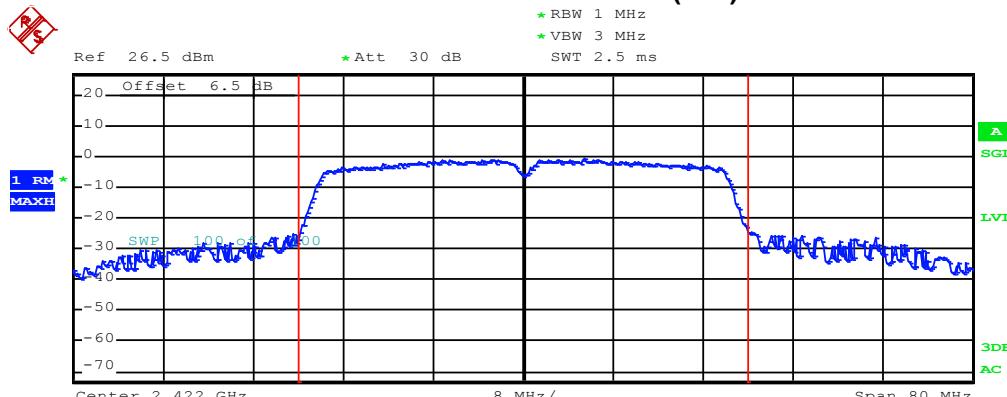


### Middle channel

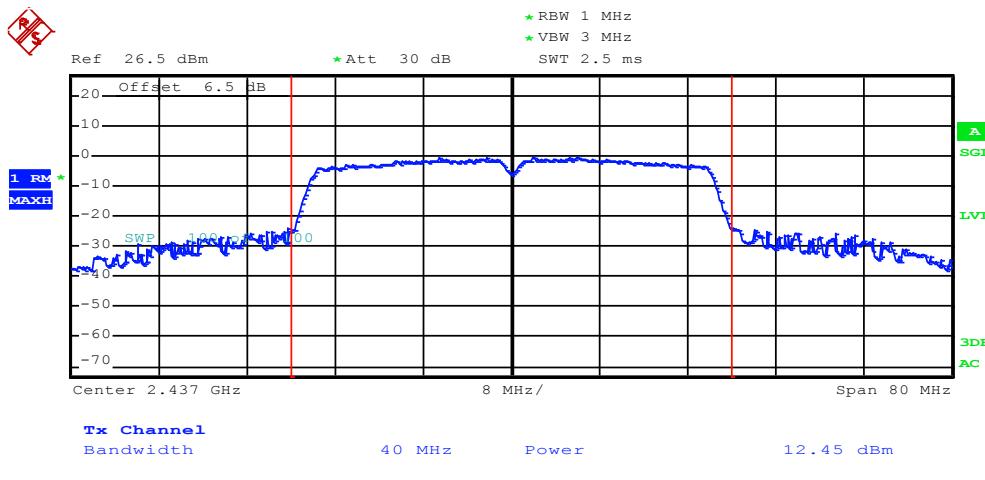


### Highest channel

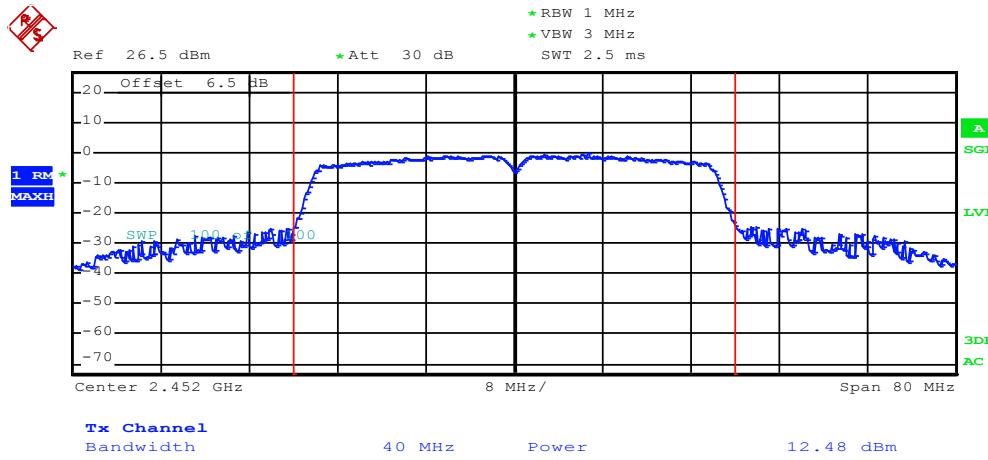
**Test mode: 802.11n(H40)**



Lowest channel

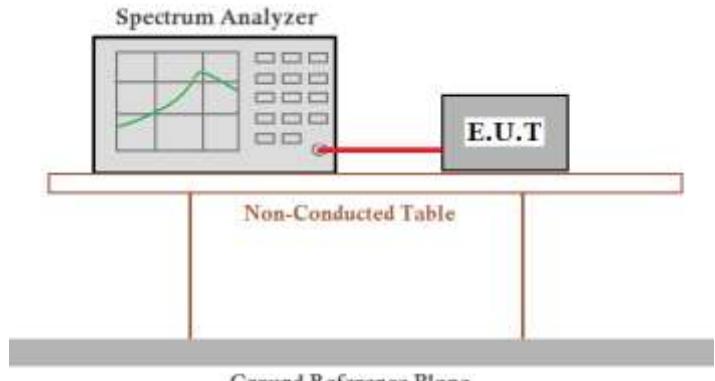


Middle channel



Highest channel

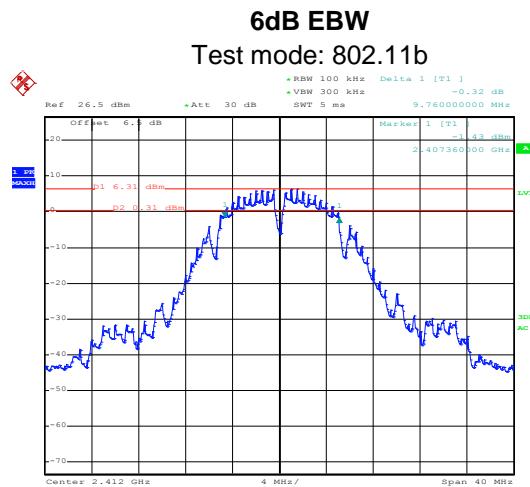
## 6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2013 and KDB558074v03r05 section 8.1
Limit:	>500kHz
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is positioned at the top left, displaying a green waveform on its screen. A red cable connects the analyzer to a gray rectangular box labeled 'E.U.T' (Equipment Under Test) located to its right. This entire assembly rests on a light-colored rectangular table labeled 'Non-Conducted Table'. Below the table is a thick horizontal bar labeled 'Ground Reference Plane'.</p>
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

### Measurement Data:

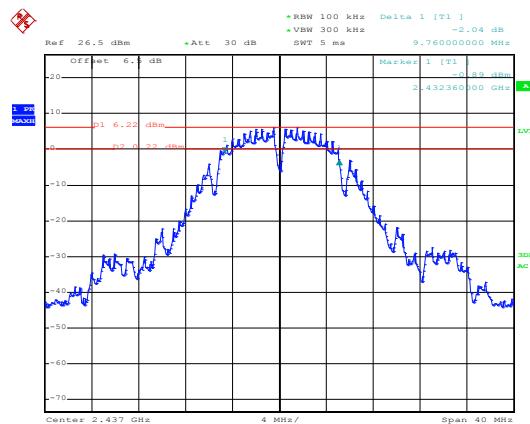
Test CH	6dB Emission Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	9.76	15.36	15.28	35.68	>500	Pass
Middle	9.76	15.52	17.12	35.52		
Highest	10.24	15.84	15.44	35.52		
Test CH	99% Occupy Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	13.04	16.48	17.60	36.00	N/A	N/A
Middle	13.28	16.48	17.68	36.00		
Highest	13.44	16.56	17.68	36.00		

Test plot as follows:



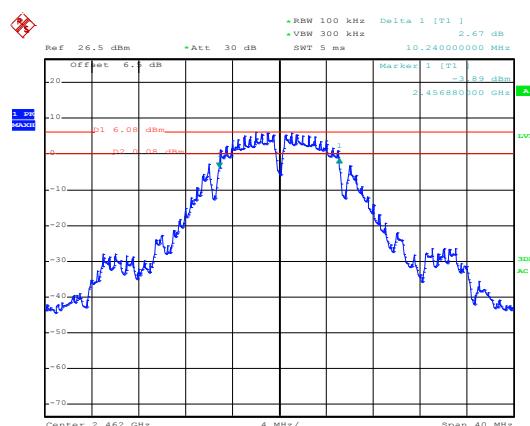
Date: 6.MAY.2017 19:28:40

### Lowest channel



Date: 6.MAY.2017 19:25:12

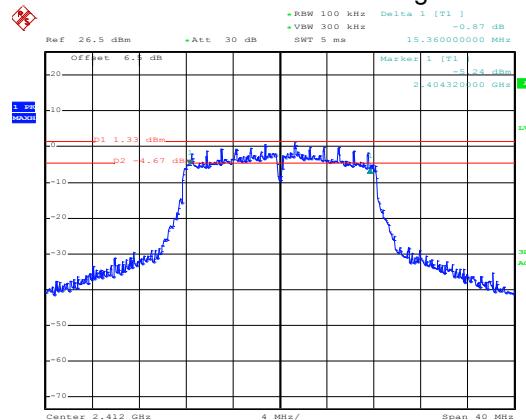
### Middle channel



Date: 6.MAY.2017 19:26:03

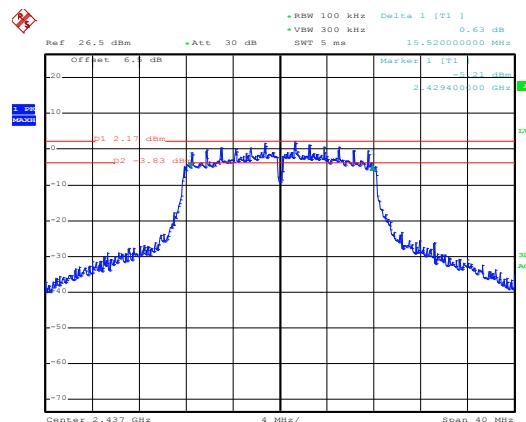
### Highest channel

## Test mode: 802.11g



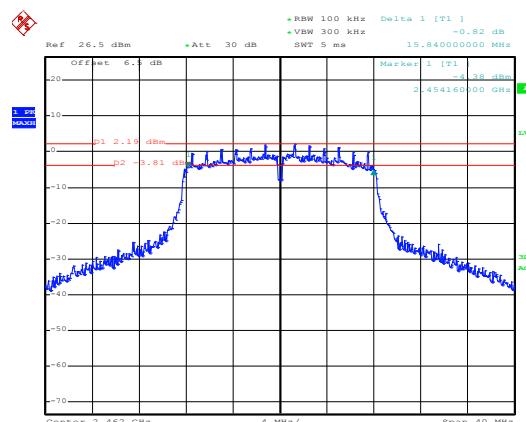
Date: 6.MAY.2017 19:30:04

## Lowest channel



Date: 6.MAY.2017 19:31:14

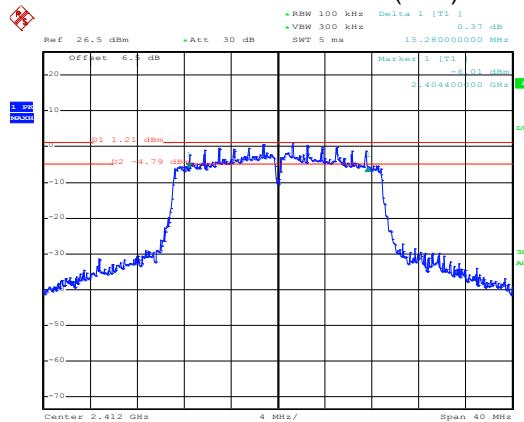
## Middle channel



Date: 6.MAY.2017 19:32:33

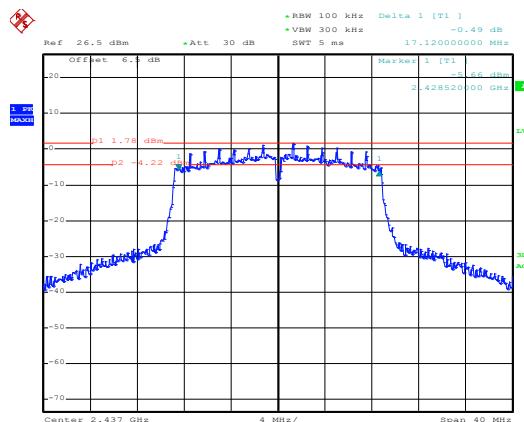
## Highest channel

Test mode: 802.11n(H20)



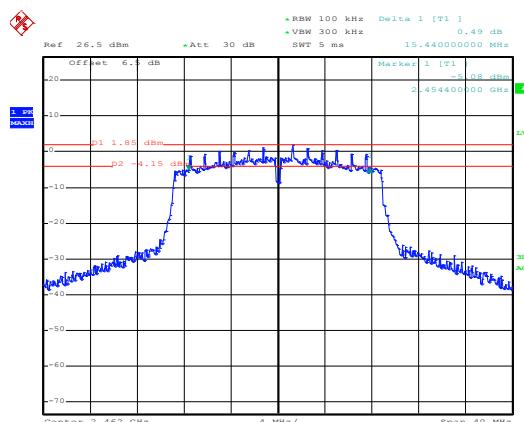
Date: 6.MAY.2017 19:33:41

Lowest channel



Date: 6.MAY.2017 19:36:37

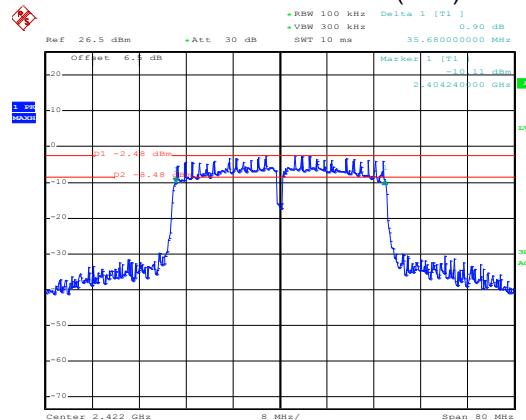
Middle channel



Date: 6.MAY.2017 19:37:49

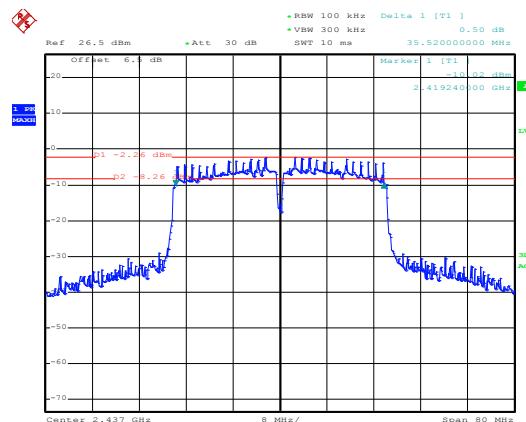
Highest channel

Test mode: 802.11n(H40)



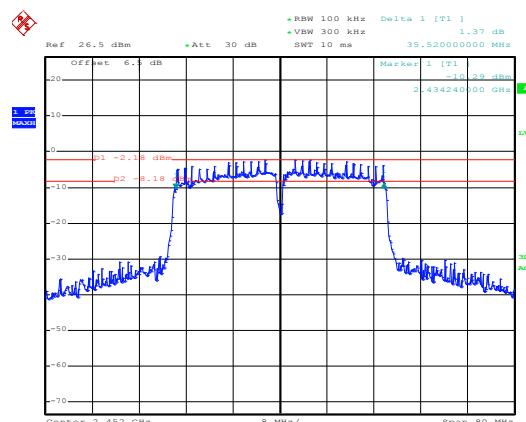
Date: 6.MAY.2017 19:38:59

Lowest channel



Date: 6.MAY.2017 19:39:52

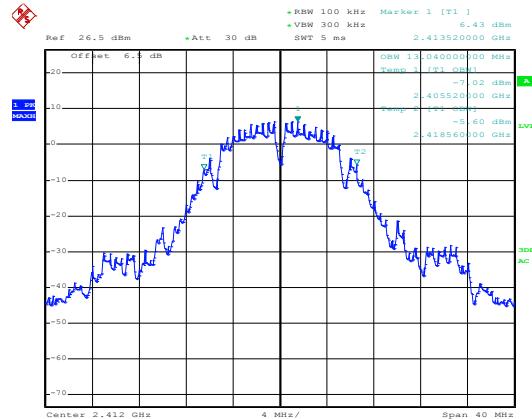
Middle channel



Date: 6.MAY.2017 19:40:50

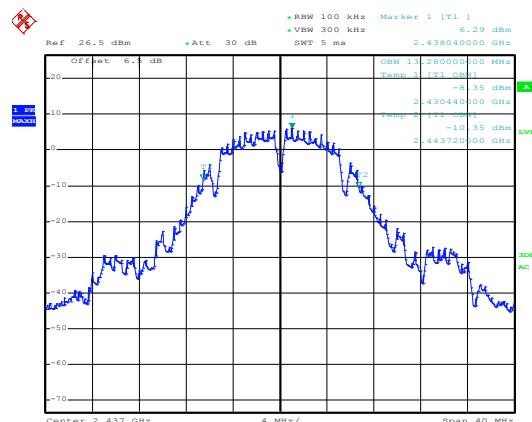
Highest channel

**99% OBW**  
Test mode: 802.11b



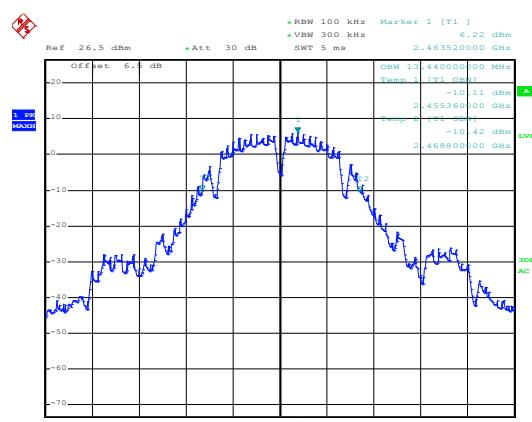
Date: 6.MAY.2017 19:19:55

**Lowest channel**



Date: 6.MAY.2017 19:20:08

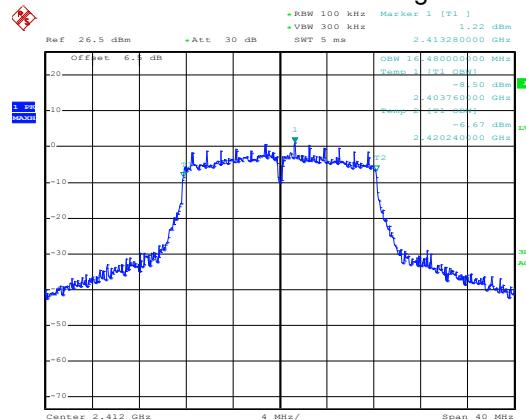
**Middle channel**



Date: 6.MAY.2017 19:20:22

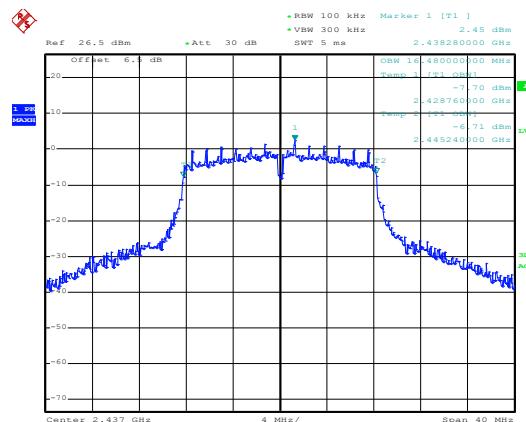
**Highest channel**

Test mode: 802.11g



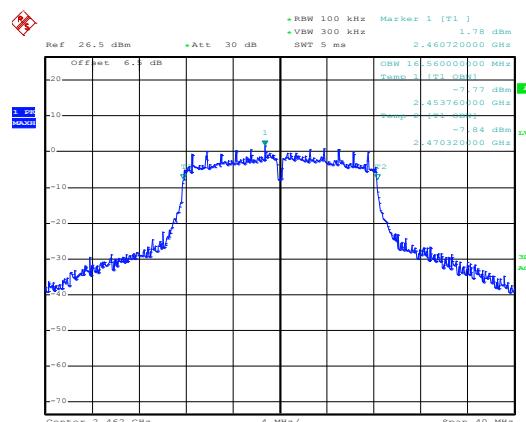
Date: 6.MAY.2017 19:20:46

Lowest channel



Date: 6.MAY.2017 19:21:06

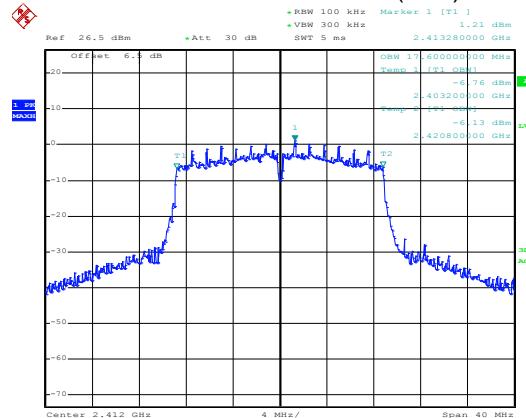
Middle channel



Date: 6.MAY.2017 19:21:28

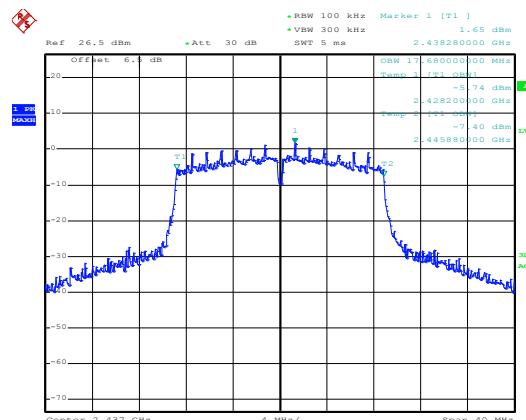
Highest channel

## Test mode: 802.11n(H20)



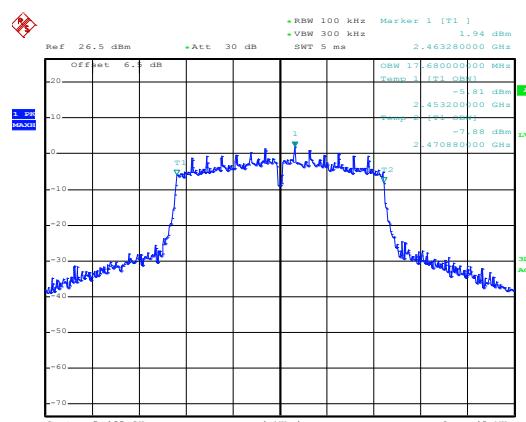
Date: 6.MAY.2017 19:21:54

## Lowest channel



Date: 6.MAY.2017 19:22:20

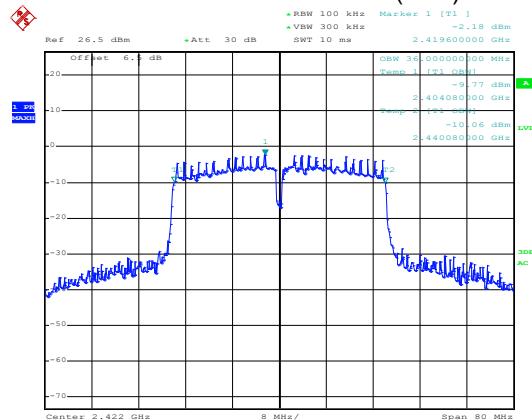
## Middle channel



Date: 6.MAY.2017 19:23:02

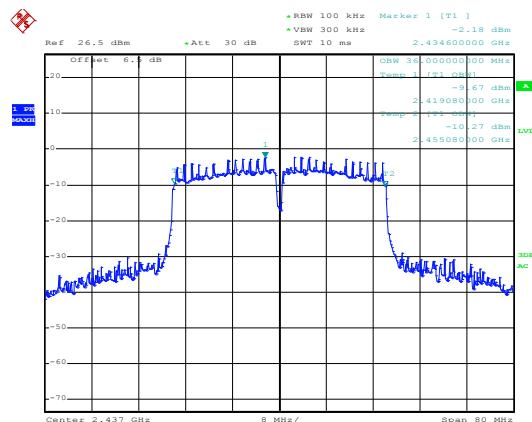
## Highest channel

Test mode: 802.11n(H40)



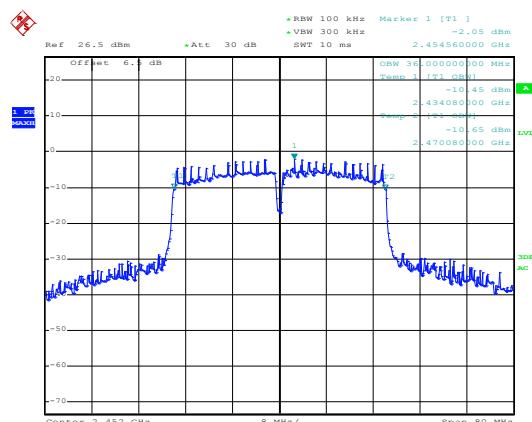
Date: 6.MAY.2017 19:19:30

Lowest channel



Date: 6.MAY.2017 19:19:05

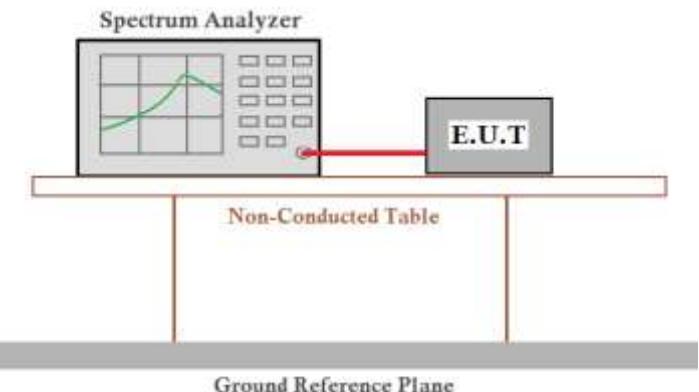
Middle channel



Date: 6.MAY.2017 19:18:42

Highest channel

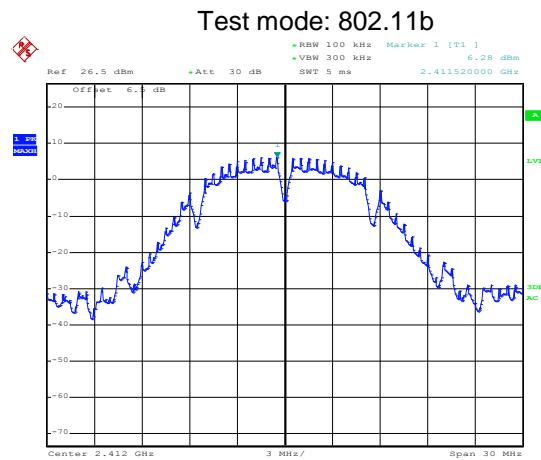
## 6.5 Power Spectral Density

Test Requirement:	FCC Part 15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB558074v03r05 section 10.2
Limit:	8dBm
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is positioned at the top left, displaying a signal waveform on its screen. A red cable connects the analyzer to a rectangular box labeled 'E.U.T' (Equipment Under Test) located to its right. This setup rests on a horizontal surface labeled 'Non-Conducted Table'. Below the table is a thick grey bar labeled 'Ground Reference Plane'.</p>
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

### Measurement Data:

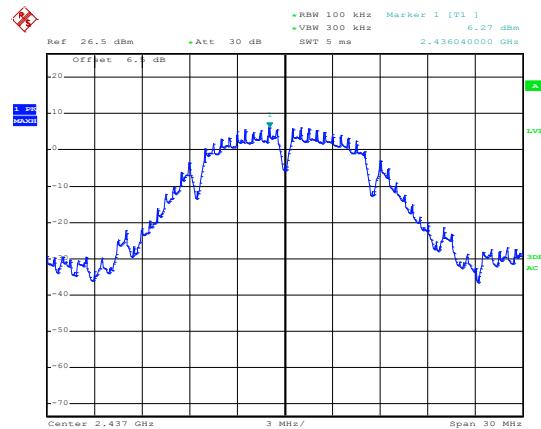
Test CH	Power Spectral Density (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	6.28	1.13	1.14	-2.14	8.00	Pass
Middle	6.27	2.18	1.53	-2.18		
Highest	6.54	2.32	1.74	-2.02		

**Test plot as follows:**



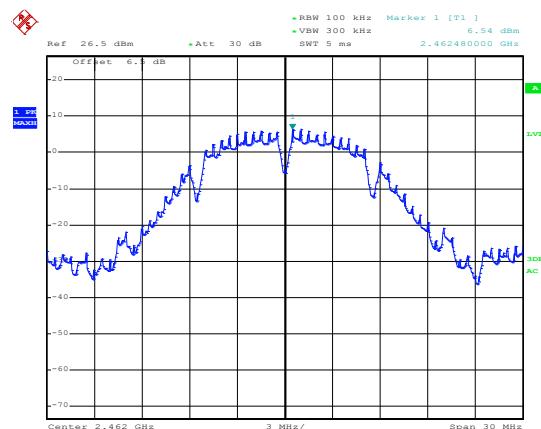
Date: 6.MAY.2017 19:10:00

### Lowest channel



Date: 6.MAY.2017 19:10:16

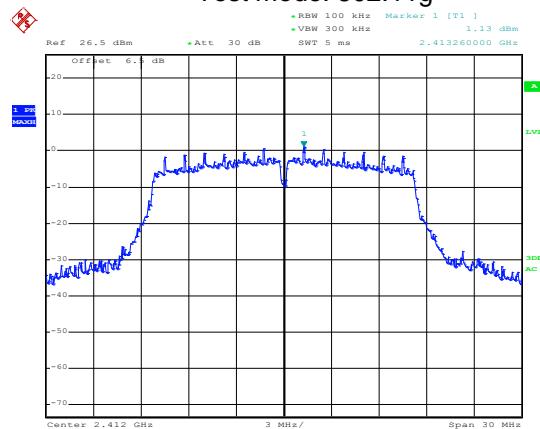
### Middle channel



Date: 6.MAY.2017 19:10:30

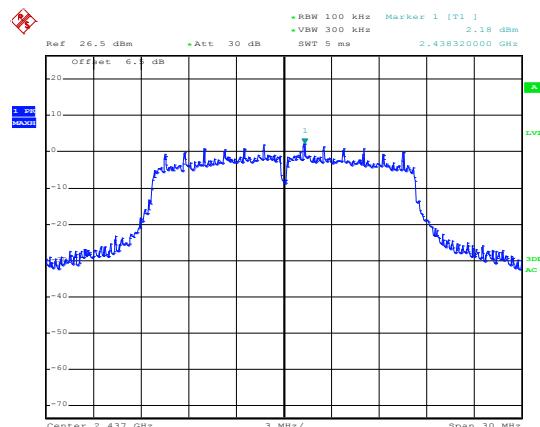
### Highest channel

Test mode: 802.11g



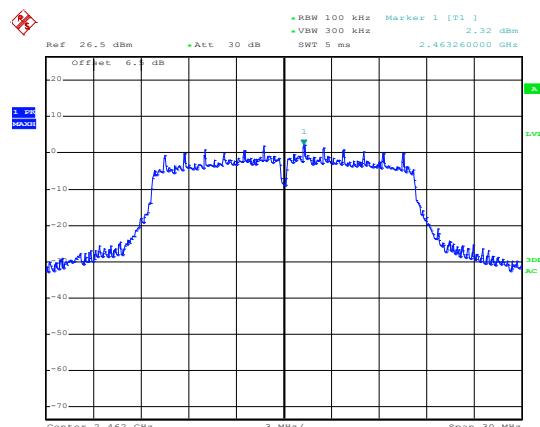
Date: 6.MAY.2017 19:11:22

Lowest channel



Date: 6.MAY.2017 19:14:58

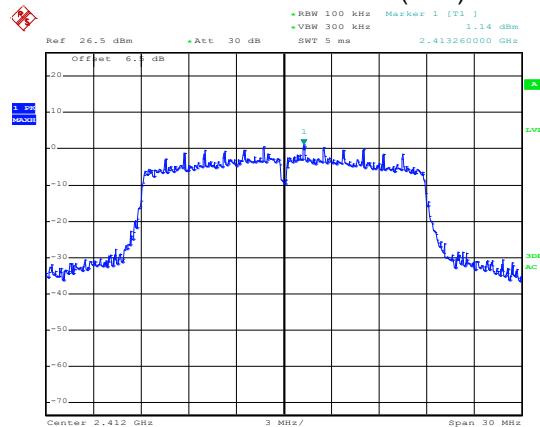
Middle channel



Date: 6.MAY.2017 19:15:21

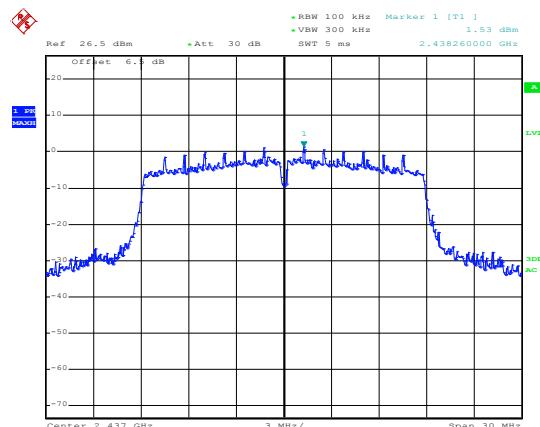
Highest channel

Test mode: 802.11n(H20)



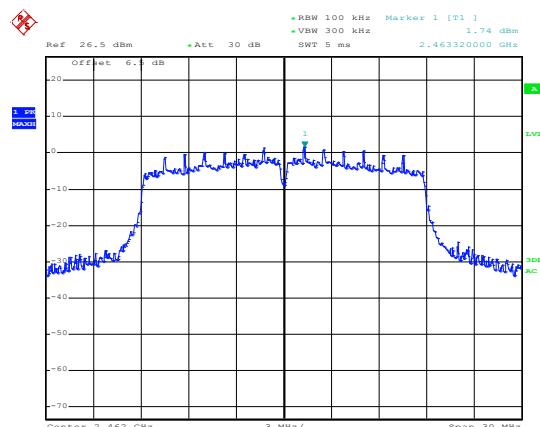
Date: 6.MAY.2017 19:16:02

Lowest channel



Date: 6.MAY.2017 19:16:27

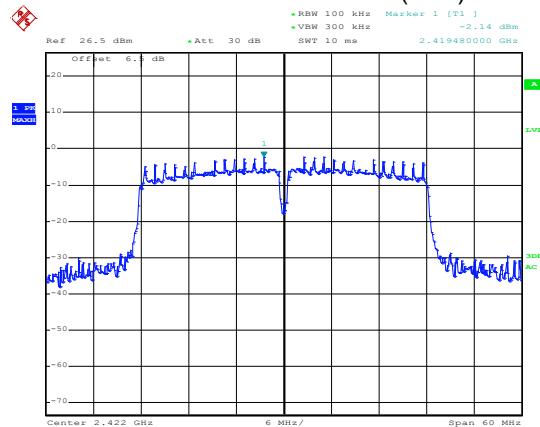
Middle channel



Date: 6.MAY.2017 19:16:51

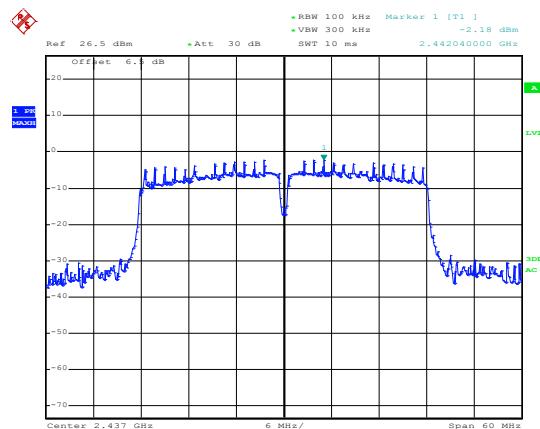
Highest channel

Test mode: 802.11n(H40)



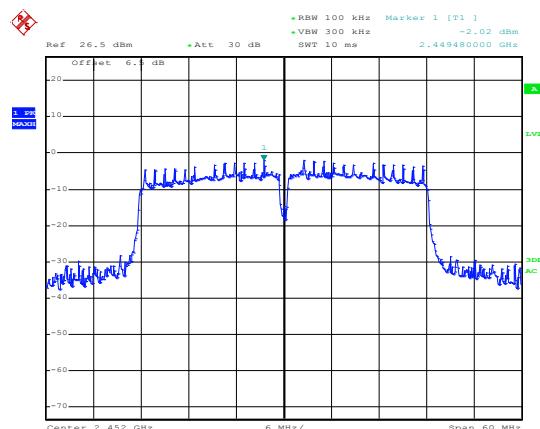
Date: 6.MAY.2017 19:17:30

Lowest channel



Date: 6.MAY.2017 19:17:52

Middle channel

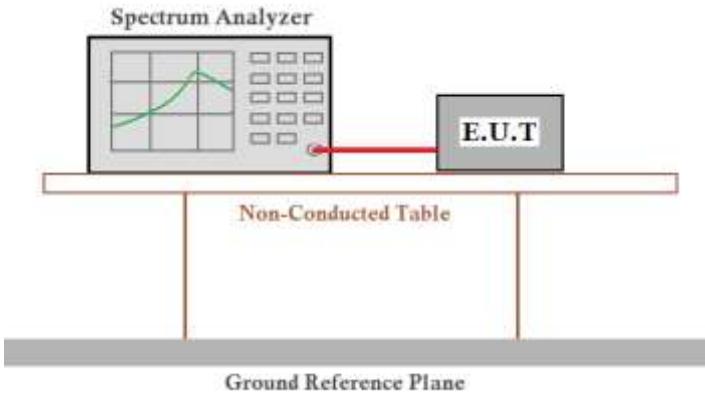


Date: 6.MAY.2017 19:18:13

Highest channel

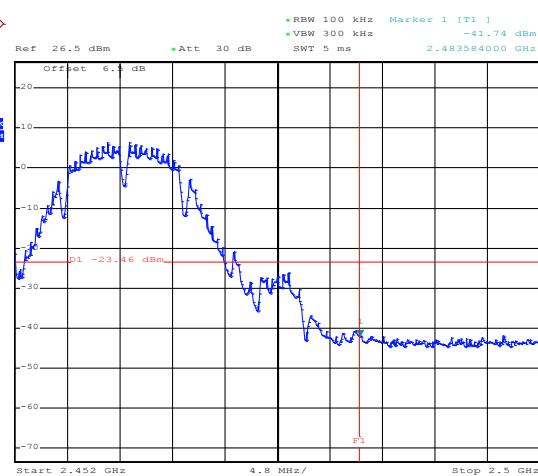
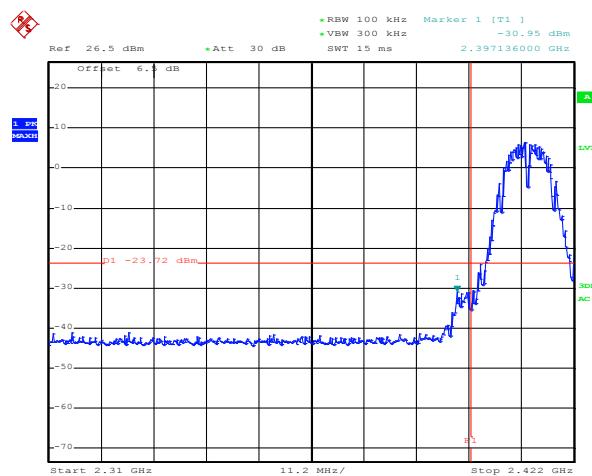
## 6.6 Band Edge

### 6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074v03r05 section 13
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

802.11b



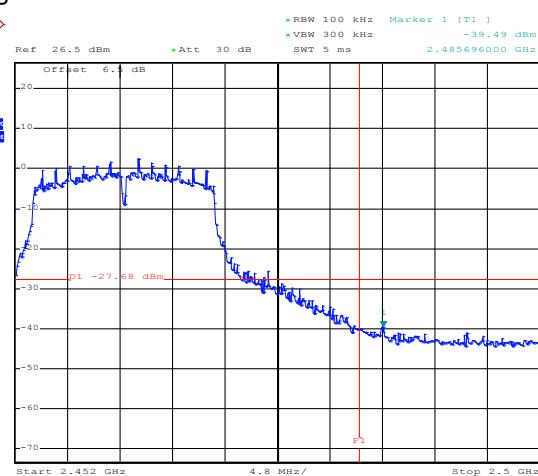
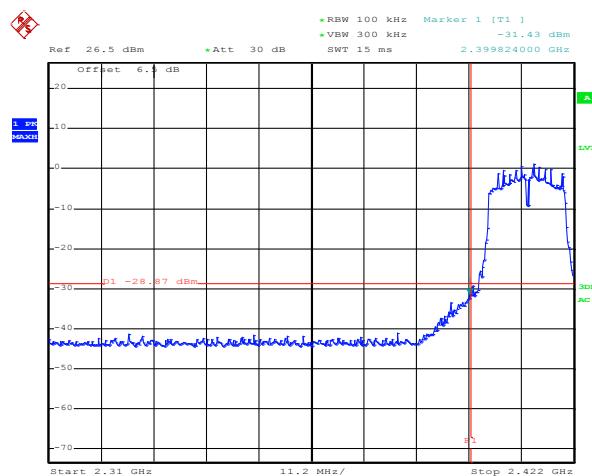
Date: 6.MAY.2017 19:42:24

Lowest channel

Date: 6.MAY.2017 19:49:20

Highest channel

802.11g



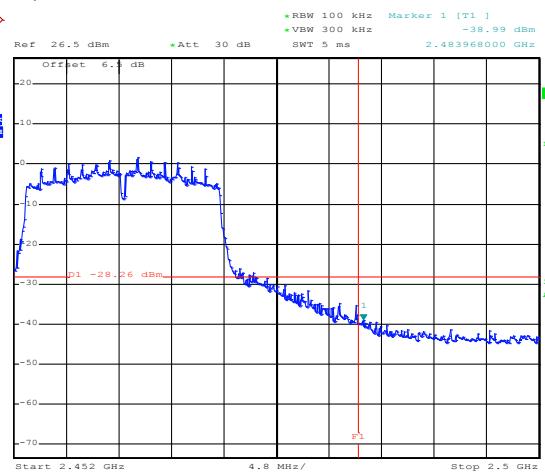
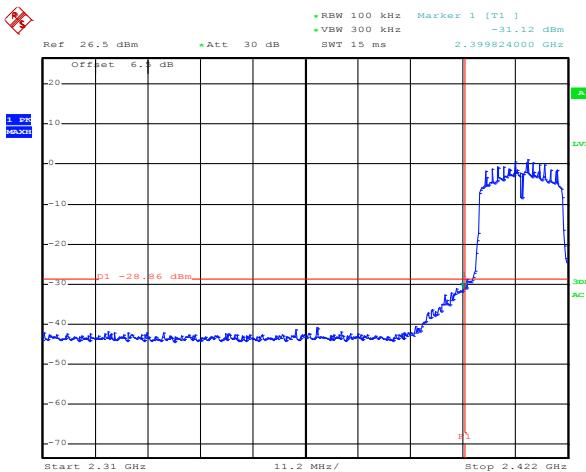
Date: 6.MAY.2017 19:43:08

Lowest channel

Date: 6.MAY.2017 19:50:13

Highest channel

### 802.11n(H20)



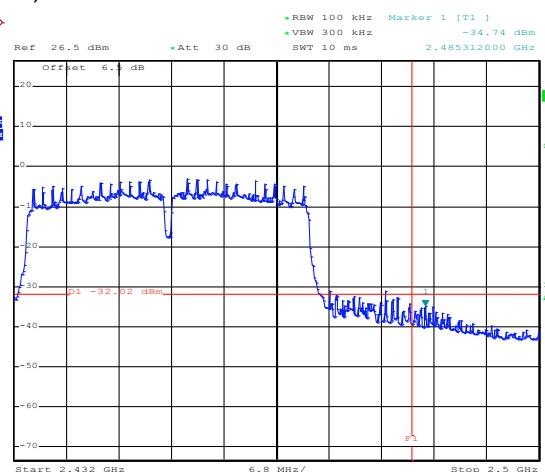
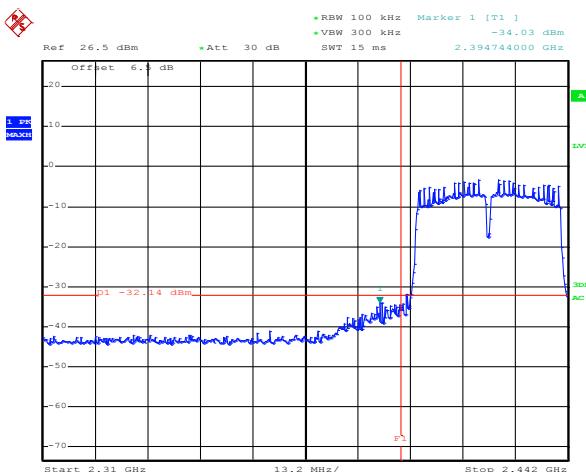
Date: 6.MAY.2017 19:44:00

Lowest channel

Date: 6.MAY.2017 19:51:01

Highest channel

### 802.11n(H40)



Date: 6.MAY.2017 19:46:43

Lowest channel

Date: 6.MAY.2017 19:48:15

Highest channel

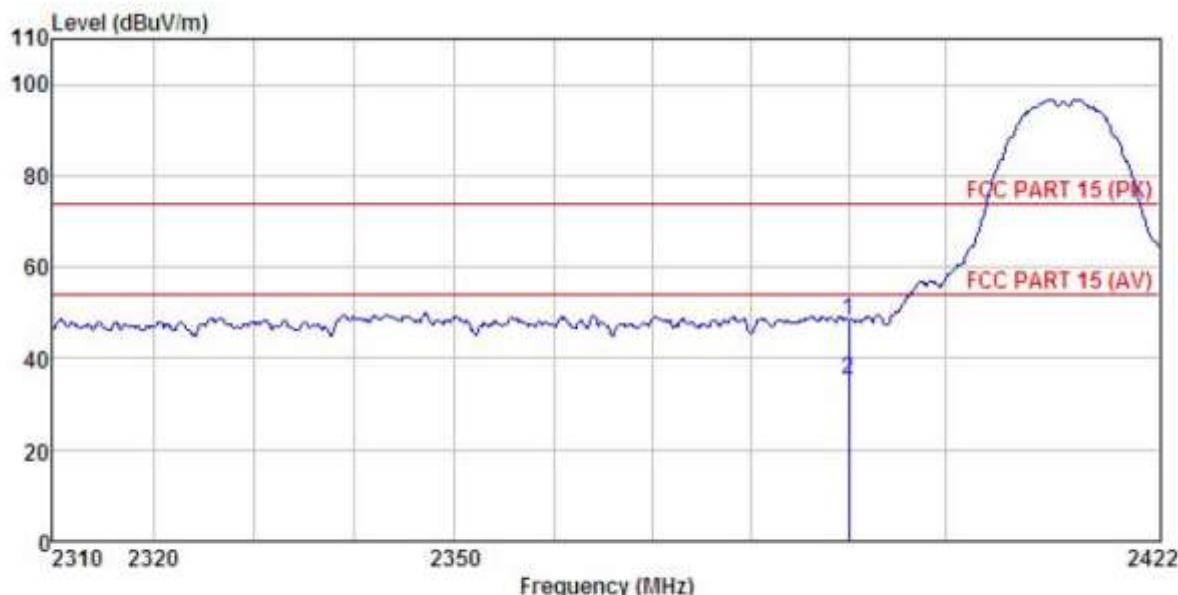
## 6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205								
Test Method:	ANSI C63.10: 2013 and KDB 558074v03r05 section 12.1								
Test Frequency Range:	2.3GHz to 2.5GHz								
Test site:	Measurement Distance: 3m								
Receiver setup:	Frequency	Detector	RBW	VBW	Remark				
	Above 1GHz	Peak	1MHz	3MHz	Peak Value				
Limit:	Frequency	Limit (dBuV/m @ 3m)		Remark					
	Above 1GHz	54.00		Average Value					
		74.00		Peak Value					
Test Procedure:	<ol style="list-style-type: none"> <li>The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> </ol>								
Test setup:									
Test Instruments:	Refer to section 5.6 for details								
Test mode:	Refer to section 5.3 for details								
Test results:	Passed								

## 802.11b

Test channel: Lowest

Horizontal:



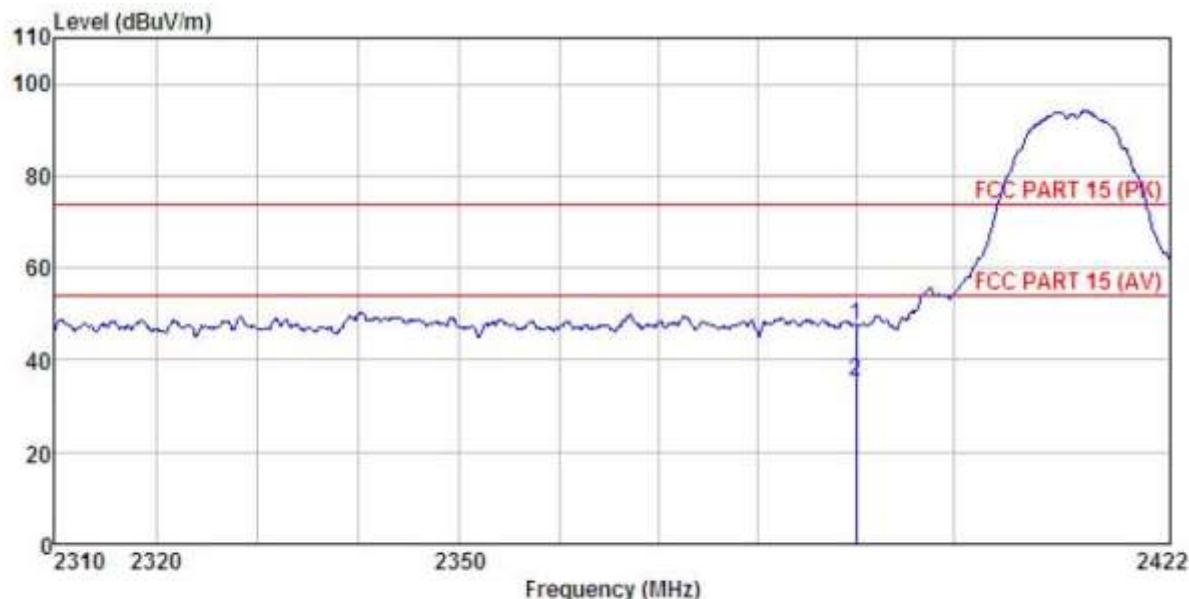
Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : B-L Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

Freq	Read	Antenna	Cable	Preampl	Limit	Over	Remark
	Level	Factor	Loss	Factor	Level	Line	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2390.000	19.93	23.68	4.69	0.00	48.30	74.00	-25.70 Peak
2 2390.000	7.13	23.68	4.69	0.00	35.50	54.00	-18.50 Average

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : B-L Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

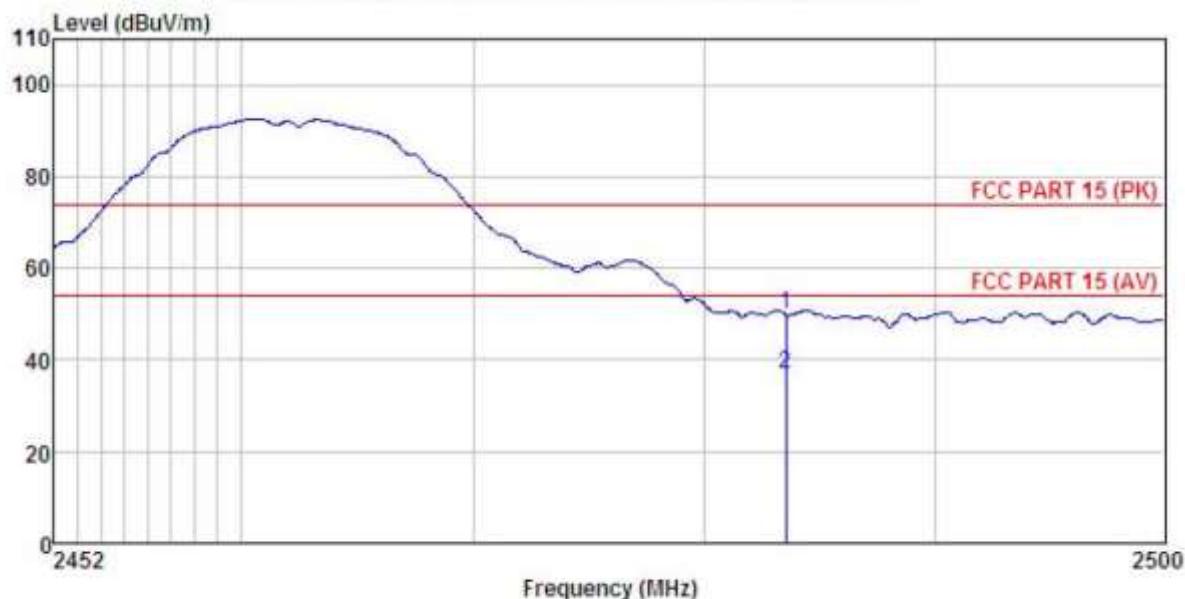
	ReadAntenna Freq	Cable Level	Preamp Factor	Limit Loss Factor	Over Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	19.22	23.68	4.69	0.00	47.59	74.00	-26.41	Peak
2	2390.000	7.11	23.68	4.69	0.00	35.48	54.00	-18.52	Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

**Test channel: Highest**

Horizontal:



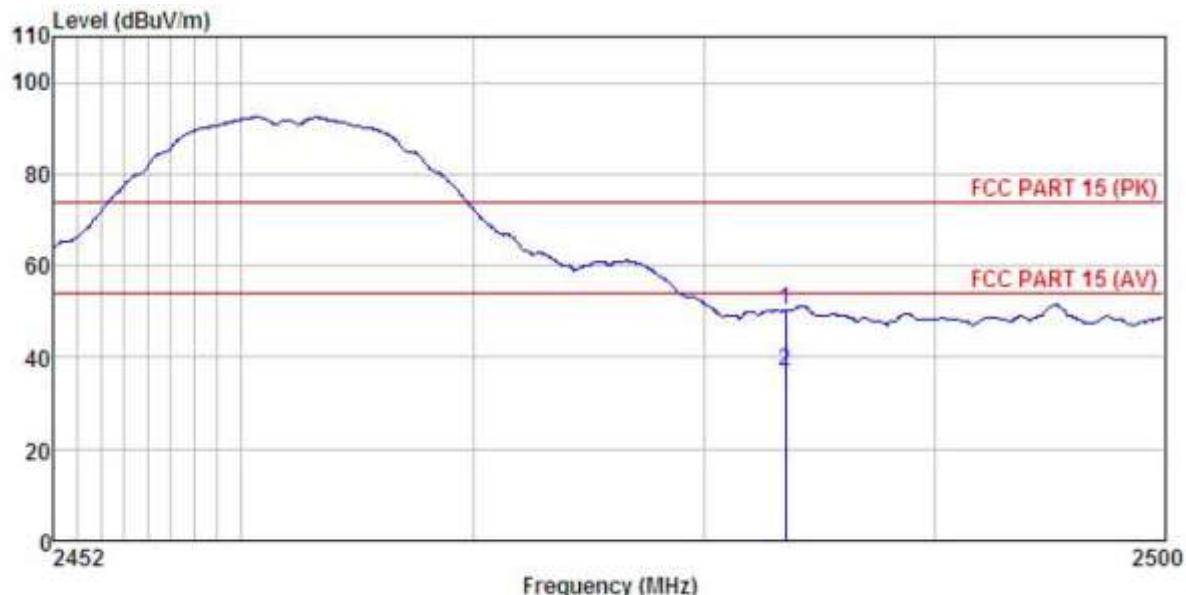
Site : 3m chamber  
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
EUT : 3G smartphone  
Model : A26062K  
Test mode : B-H Mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Huni:55%  
Test Engineer: Zora  
REMARK :

Freq	ReadAntenna		Cable	Preamp	Limit	Over	Remark	
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit
1	2483.500	21.49	23.70	4.81	0.00	50.00	74.00	-24.00 Peak
2	2483.500	8.42	23.70	4.81	0.00	36.93	54.00	-17.07 Average

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : B-H Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

Freq	ReadAntenna	Cable	Preamp	Limit	Over	Remark	
	Level	Factor	Loss	Level	Line		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2483.500	21.92	23.70	4.81	0.00	50.43	74.00	-23.57 Peak
2 2483.500	8.39	23.70	4.81	0.00	36.90	54.00	-17.10 Average

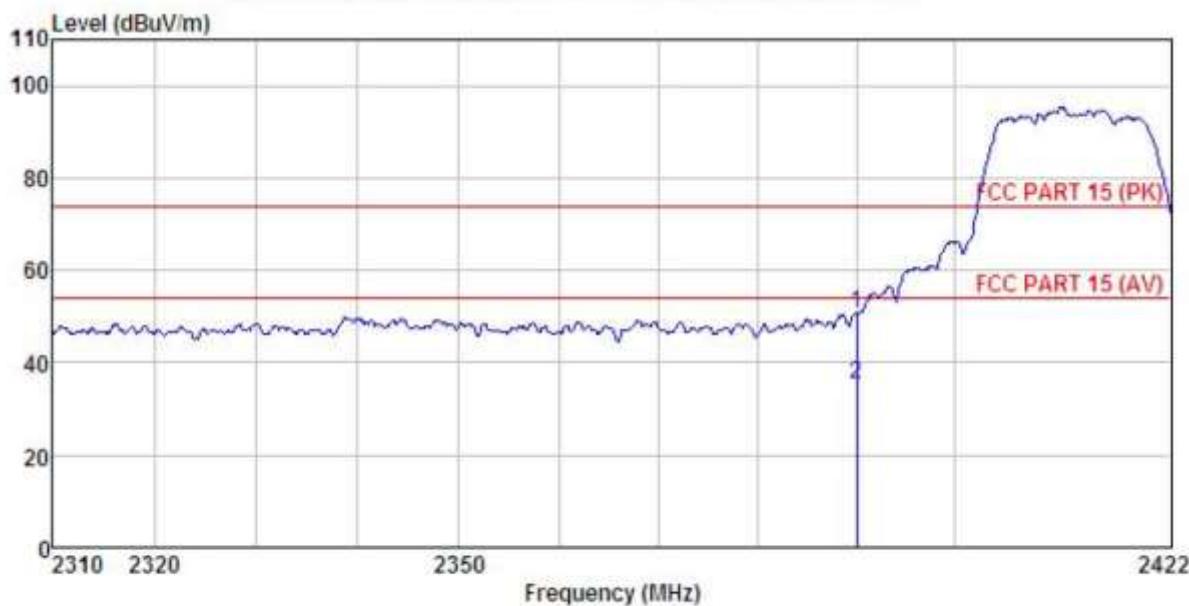
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 802.11g

Test channel: Lowest

Horizontal:



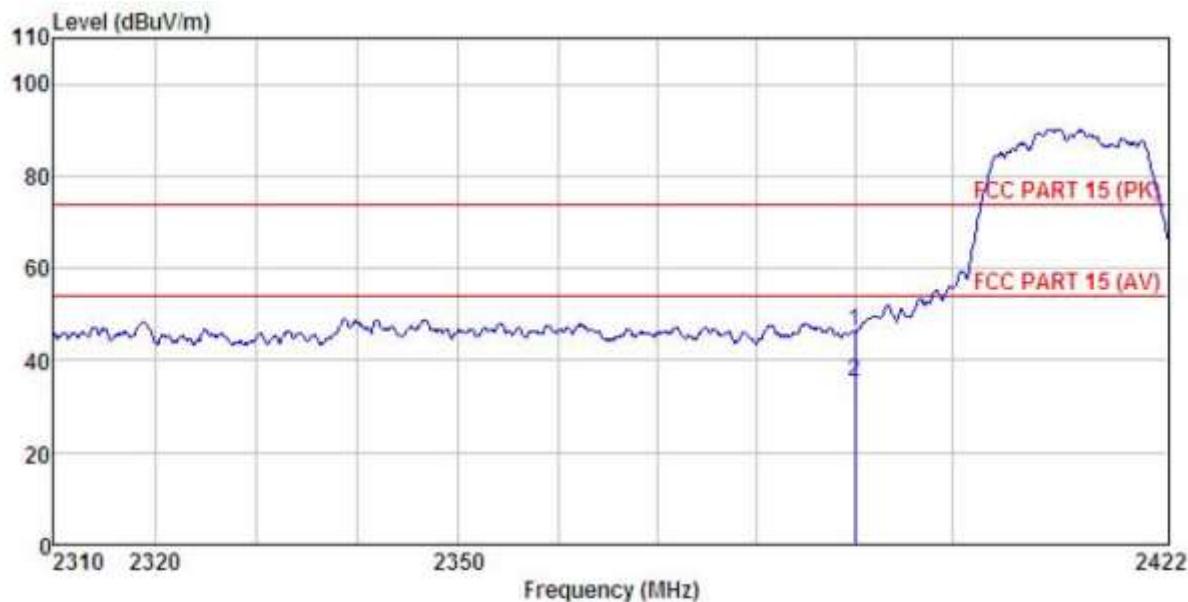
Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : G-L Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

Freq	Read	Antenna	Cable	Preampl	Limit	Over	Remark
	Freq	Level	Factor	Loss	Factor	Line	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB
1	2390.000	22.47	23.68	4.69	0.00	50.84	74.00 -23.16 Peak
2	2390.000	7.15	23.68	4.69	0.00	35.52	54.00 -18.48 Average

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : G-L Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

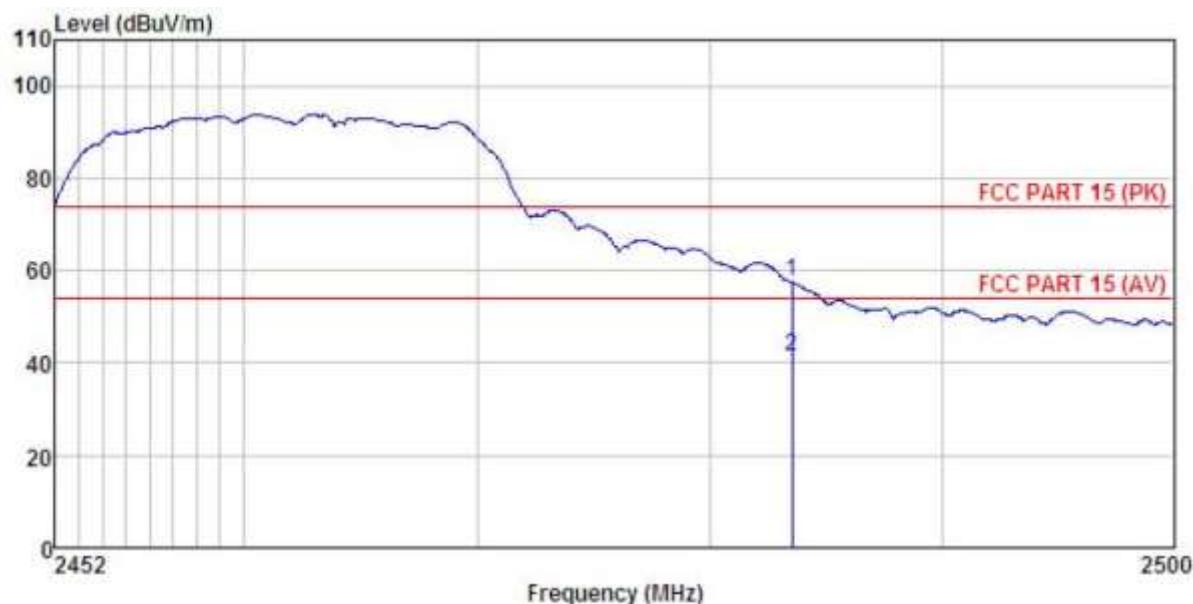
	ReadAntenna Freq	Cable Level	Preamp Factor	Limit Loss	Line Factor	Over Level	Over Line	Over Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	17.95	23.68	4.69	0.00	46.32	74.00	-27.68 Peak
2	2390.000	7.07	23.68	4.69	0.00	35.44	54.00	-18.56 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

**Test channel: Highest**

Horizontal:



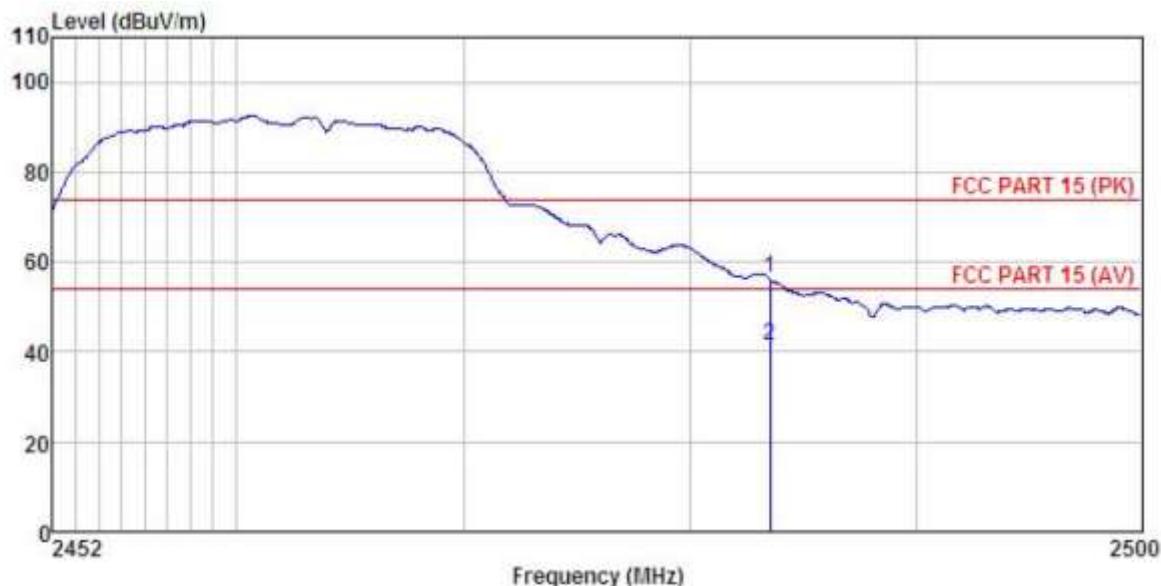
Site : 3m chamber  
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
EUT : 3G smartphone  
Model : A26062K  
Test mode : G-H Mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Huni:55%  
Test Engineer: Zora  
REMARK :

	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	29.10	23.70	4.81	0.00	57.61	74.00 -16.39 Peak
2	2483.500	13.08	23.70	4.81	0.00	41.59	54.00 -12.41 Average

*Remark:*

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : G-H Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

Freq	ReadAntenna		Cable Preamp		Limit Level	Over Line	Limit	Remark
	MHz	dBuV	dB/m	dB				
1	2483.500	27.84	23.70	4.81	0.00	56.35	74.00	-17.65 Peak
2	2483.500	13.04	23.70	4.81	0.00	41.55	54.00	-12.45 Average

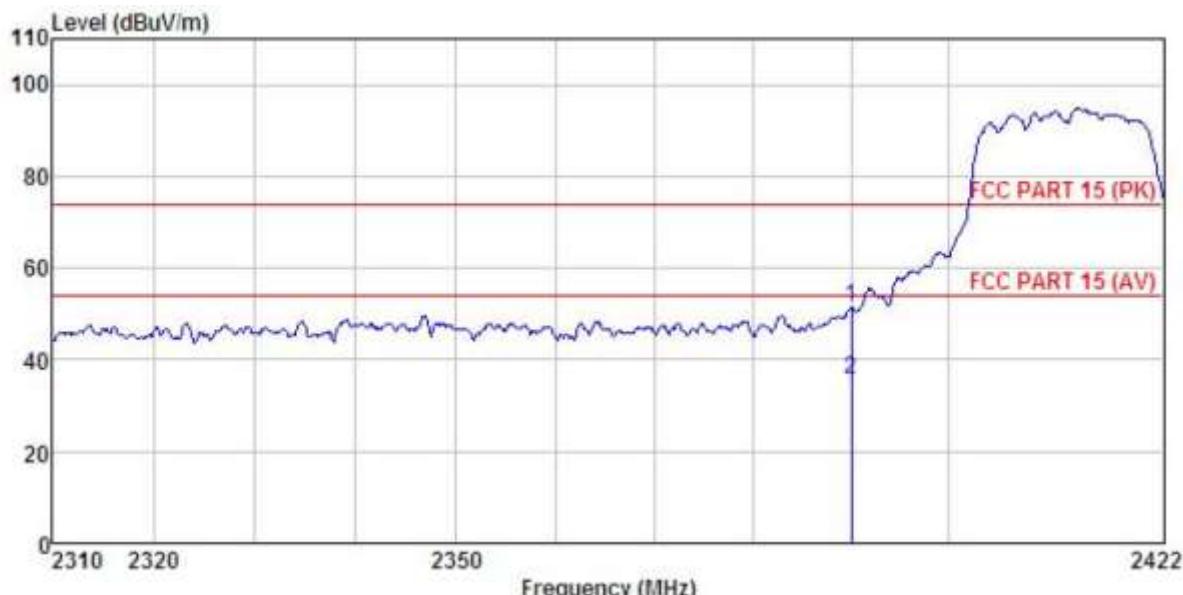
Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 802.11n (H20)

Test channel: Lowest

Horizontal:



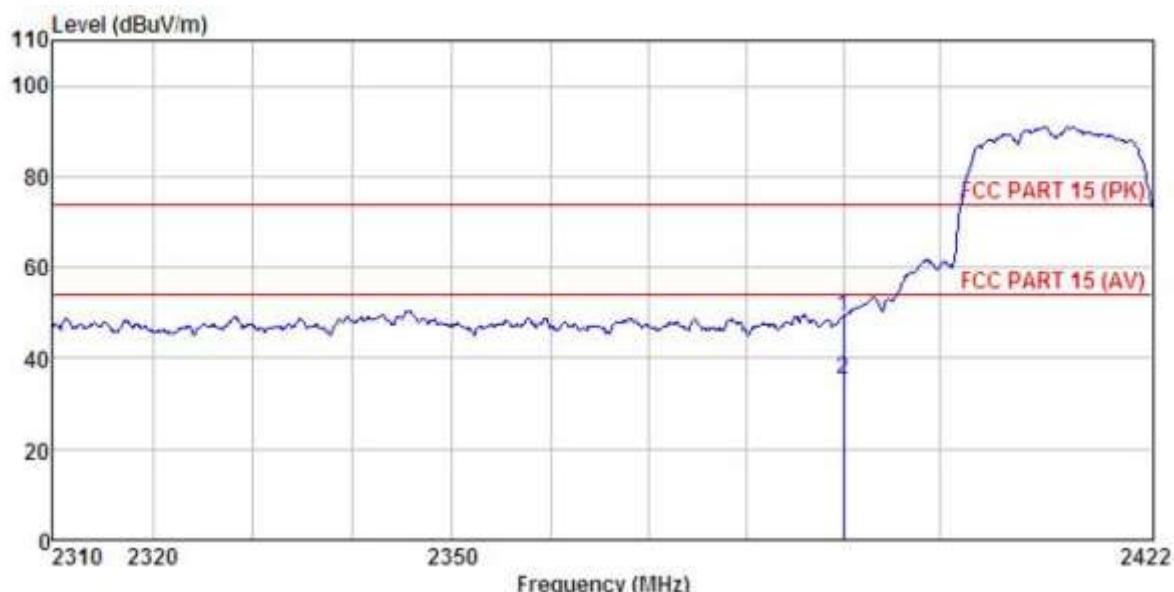
Site : 3m chamber  
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
EUT : 3G smartphone  
Model : A26062K  
Test mode : N20-L Mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Huni:55%  
Test Engineer: Zora  
REMARK :

Freq	Read	Antenna	Cable	Preampl	Limit	Over	Remark
	Level	Factor	Loss	Factor	Level	Line	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2390.000	23.04	23.68	4.69	0.00	51.41	74.00	-22.59 Peak
2 2390.000	7.21	23.68	4.69	0.00	35.58	54.00	-18.42 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : N20-L Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Humi:55%  
 Test Engineer: Zora  
 REMARK :

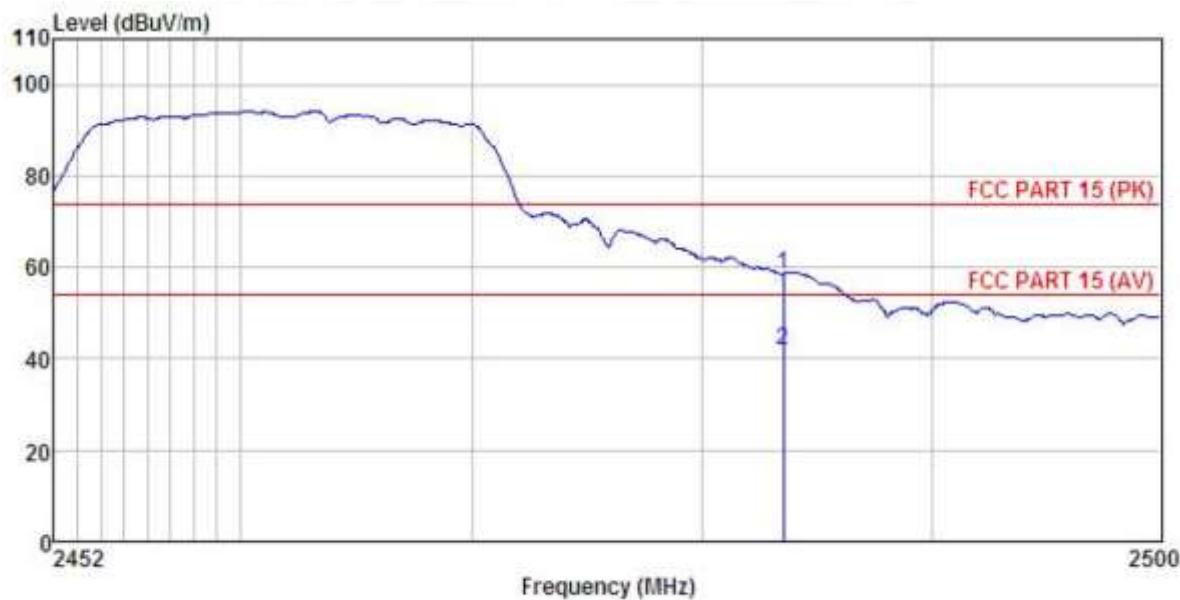
Freq	ReadAntenna	Cable	Preamp	Limit	Over	Remark		
	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2390.000	20.93	23.68	4.69	0.00	49.30	74.00	-24.70 Peak
2	2390.000	7.12	23.68	4.69	0.00	35.49	54.00	-18.51 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

**Test channel: Highest**

Horizontal:



Site : 3m chamber

Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL

EUT : 3G smartphone

Model : A26062K

Test mode : N20-H Mode

Power Rating : AC 120V/60Hz

Environment : Temp:25.5°C Huni:55%

Test Engineer: Zora

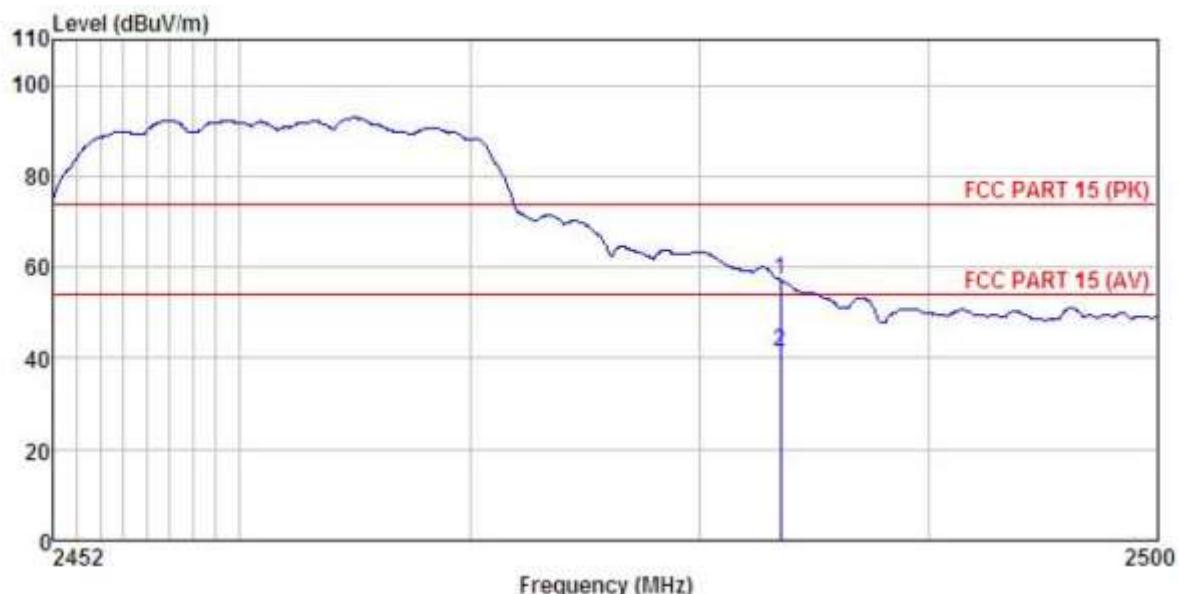
REMARK :

Freq	ReadAntenna	Cable	Preamp	Limit	Over	Remark	
	Level	Factor	Loss				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2483.500	30.07	23.70	4.81	0.00	58.58	74.00 -15.42 Peak
2	2483.500	13.10	23.70	4.81	0.00	41.61	54.00 -12.39 Average

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : N20-H Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

Freq	Read	Antenna	Cable	Preamp	Limit	Over	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	
1	2483.500	28.88	23.70	4.81	0.00	57.39	74.00 -16.61 Peak
2	2483.500	13.03	23.70	4.81	0.00	41.54	54.00 -12.46 Average

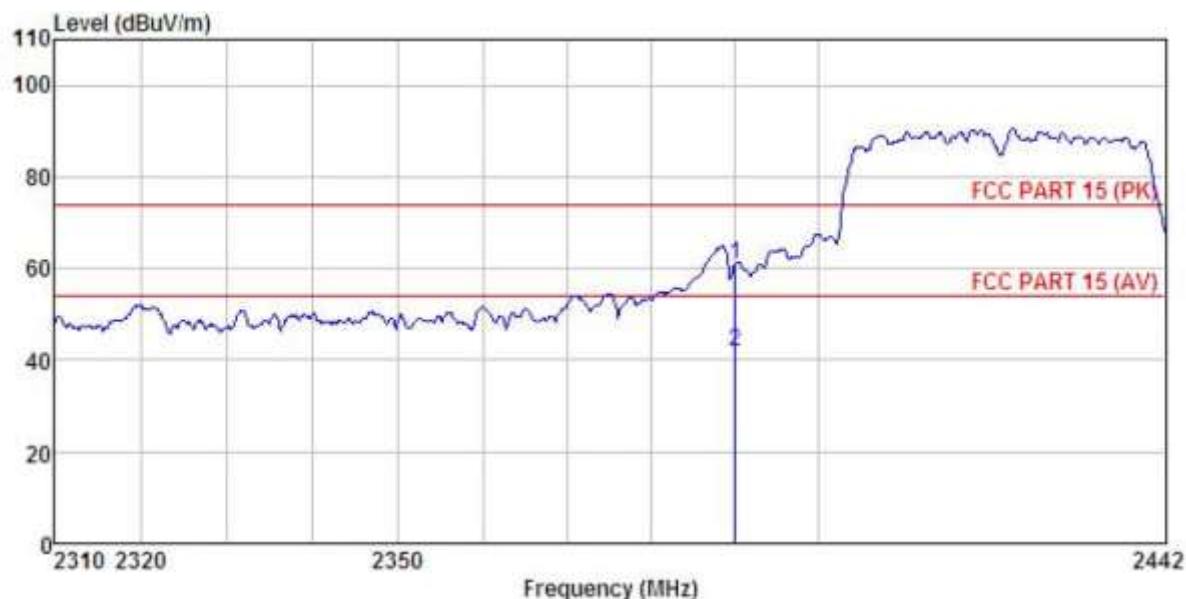
Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

## 802.11n (H40)

Test channel: Lowest

Horizontal:



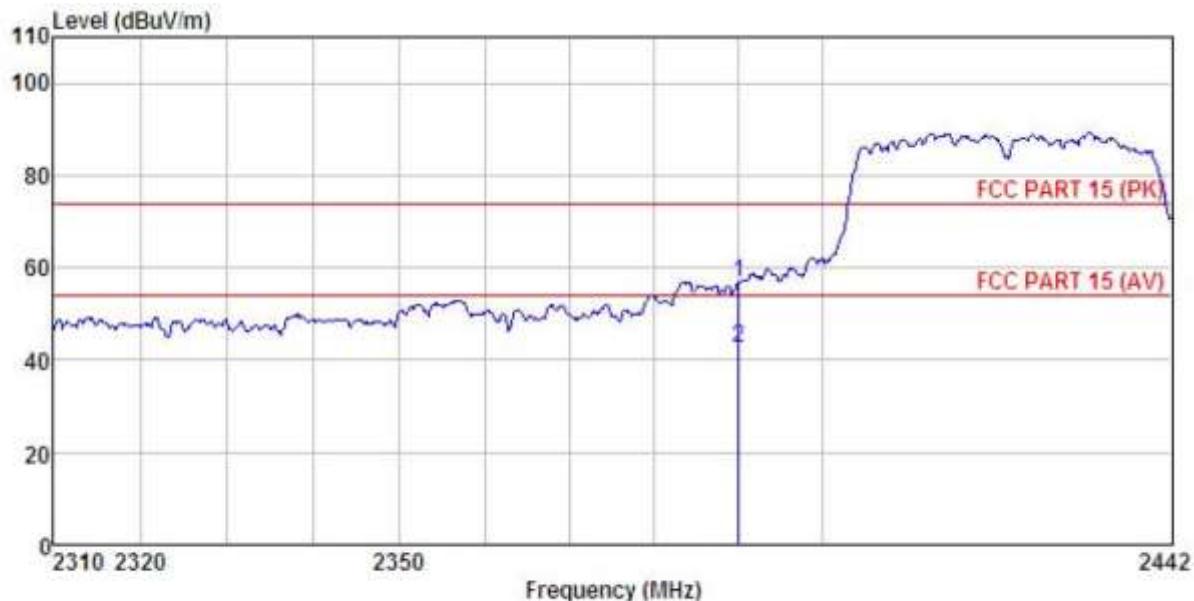
Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : N40-L Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

Freq	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Remark
	Freq	Level Factor	Cable Loss	Preamp Factor			
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2390.000	32.72	23.68	4.69	0.00	61.09	74.00	-12.91 Peak
2 2390.000	13.56	23.68	4.69	0.00	41.93	54.00	-12.07 Average

Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : N40-L Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

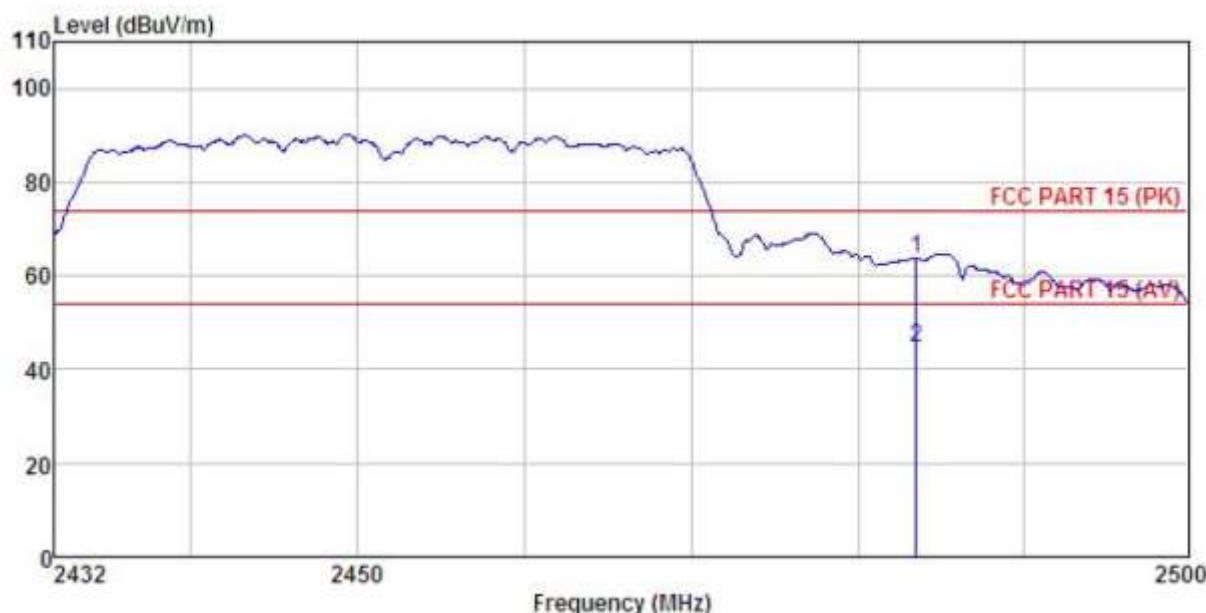
Freq	ReadAntenna Level		Cable Preamp Loss		Limit Level	Over Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB				
1	2390.000	28.37	23.68	4.69	0.00	56.74	74.00	-17.26 Peak
2	2390.000	14.11	23.68	4.69	0.00	42.48	54.00	-11.52 Average

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

**Test channel: Highest**

Horizontal:



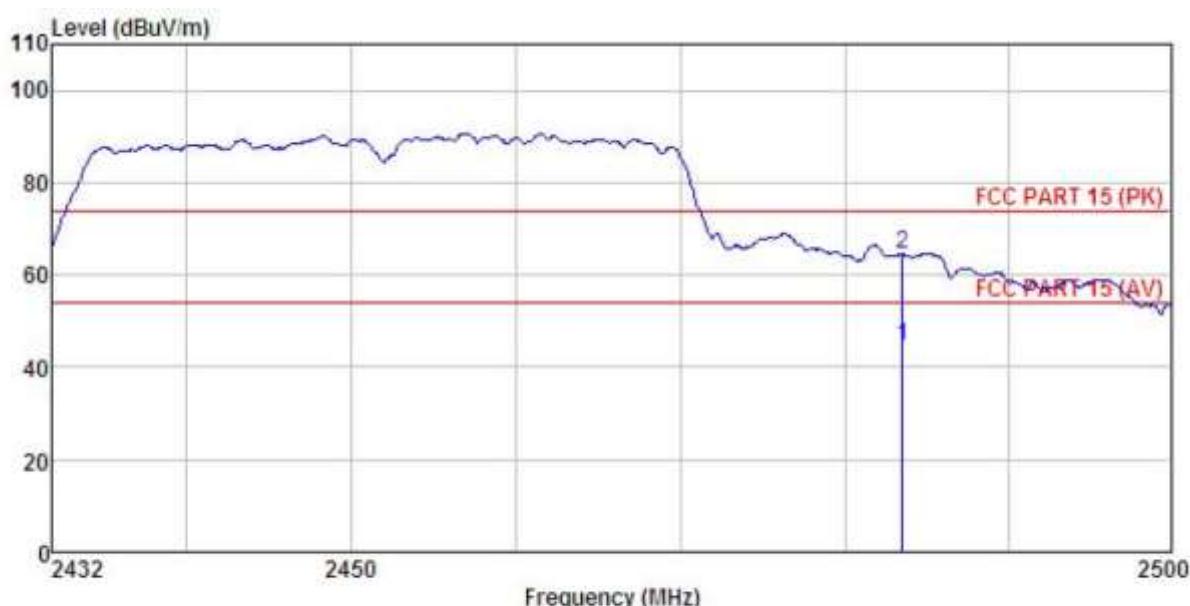
Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL.  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : N40-H Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

Freq	Read	Antenna	Cable	Preamp	Limit		Over	Remark
	Freq	Level	Factor	Loss	Factor	Level	Line	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	35.33	23.70	4.81	0.00	63.84	74.00	-10.16 Peak
2	2483.500	16.23	23.70	4.81	0.00	44.74	54.00	-9.26 Average

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL  
 EUT : 3G smartphone  
 Model : A26062K  
 Test mode : N40-H Mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp:25.5°C Huni:55%  
 Test Engineer: Zora  
 REMARK :

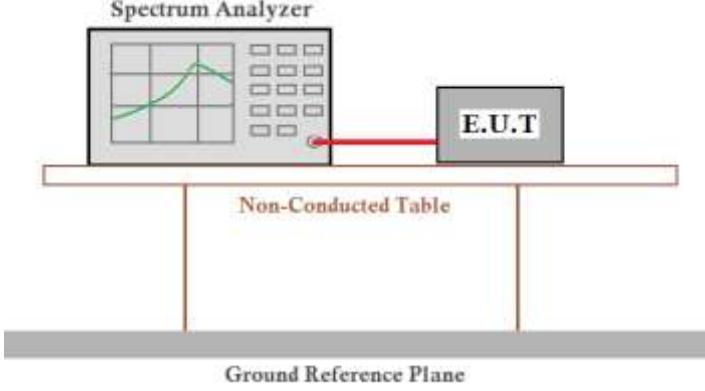
Freq	Read	Antenna	Cable	Preamp	Limit	Over	Remark
	Freq	Level	Factor	Loss	Factor	Line	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 2483.500	16.11	23.70	4.81	0.00	44.62	54.00	-9.38 Average
2 2483.509	36.07	23.70	4.81	0.00	64.58	74.00	-9.42 Peak

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

## 6.7 Spurious Emission

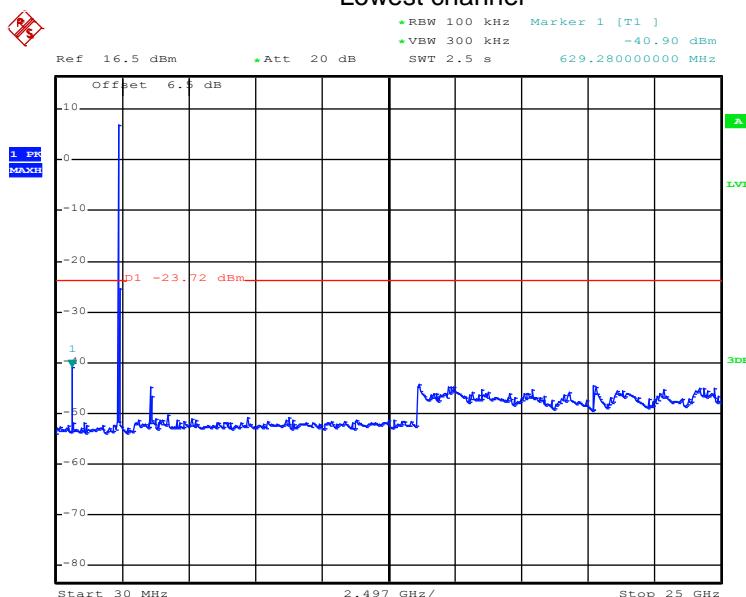
### 6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074v03r05 section 11
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.
Test setup:	
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plot as follows:

**Test mode: 802.11b**

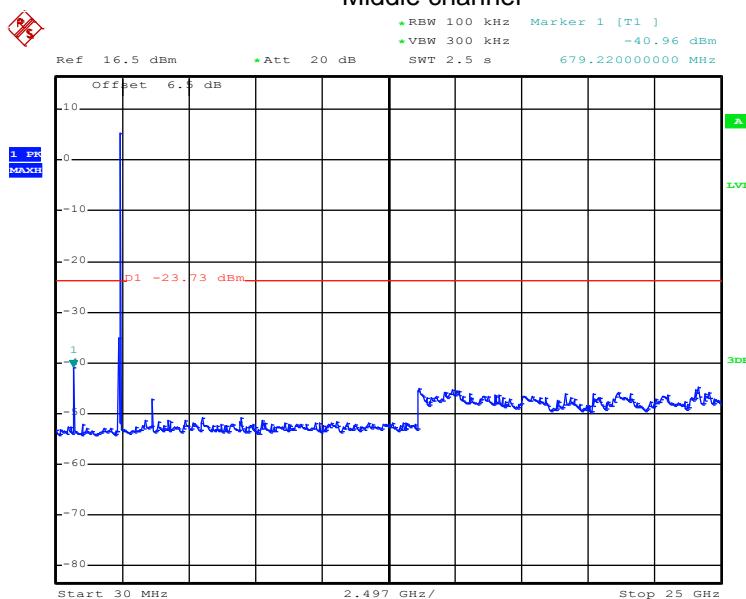
**Lowest channel**



Date: 8.MAY.2017 09:46:55

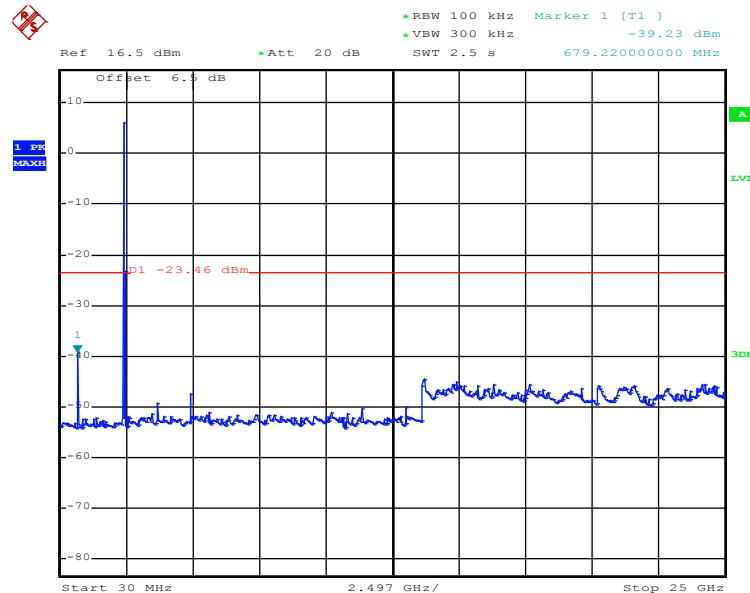
30MHz~25GHz

**Middle channel**



Date: 8.MAY.2017 09:47:26

30MHz~25GHz

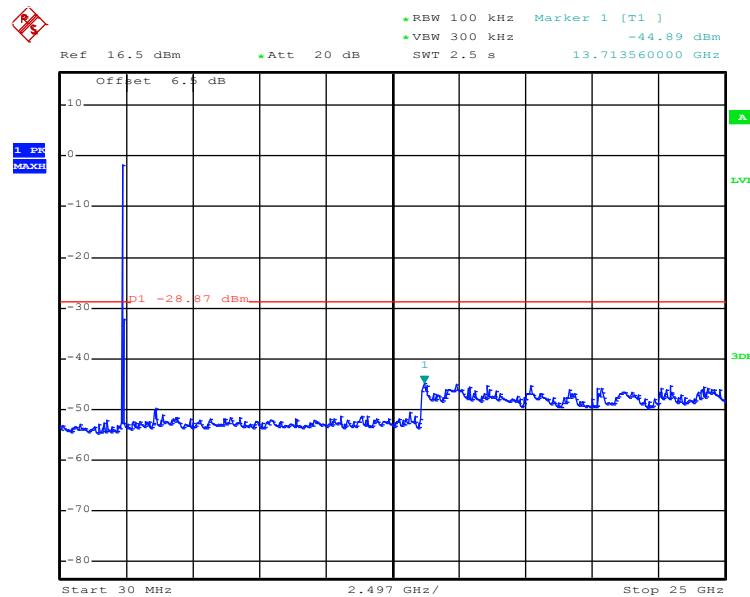
**Highest channel**

Date: 8.MAY.2017 09:48:05

30MHz~25GHz

**Test mode: 802.11g**

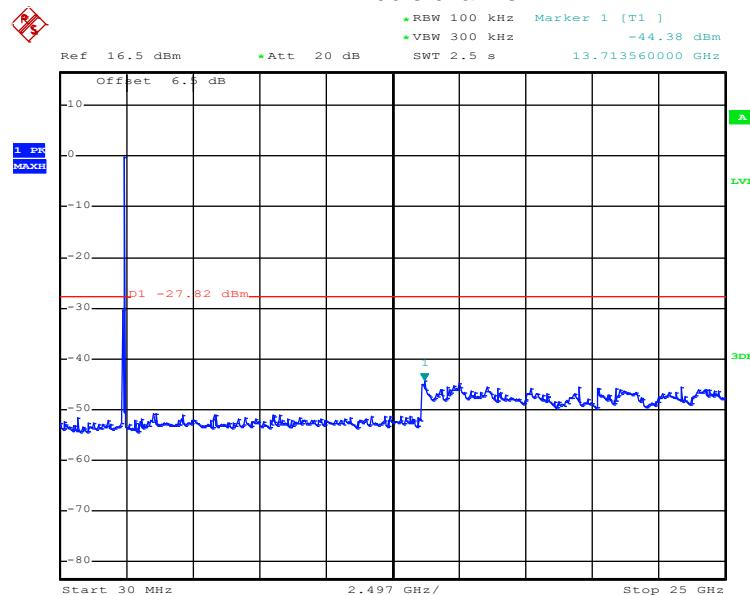
Lowest channel



Date: 8.MAY.2017 09:48:33

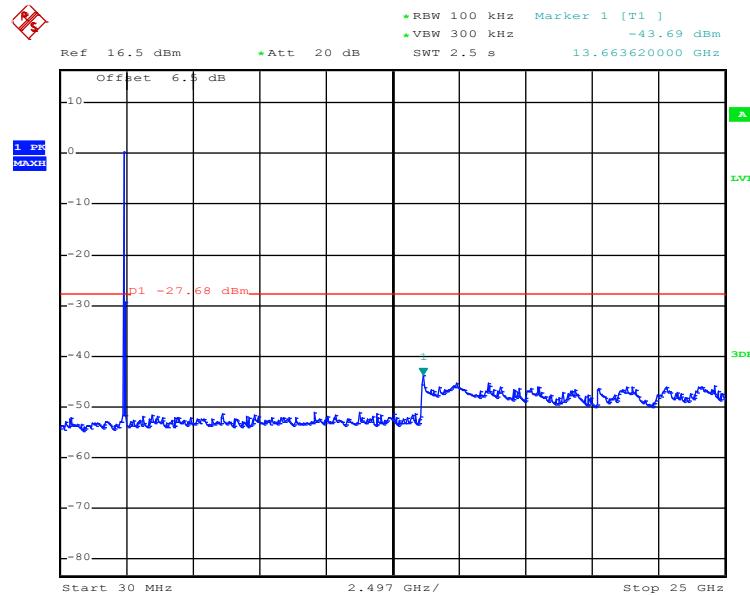
30MHz~25GHz

**Middle channel**



Date: 8.MAY.2017 09:50:54

30MHz~25GHz

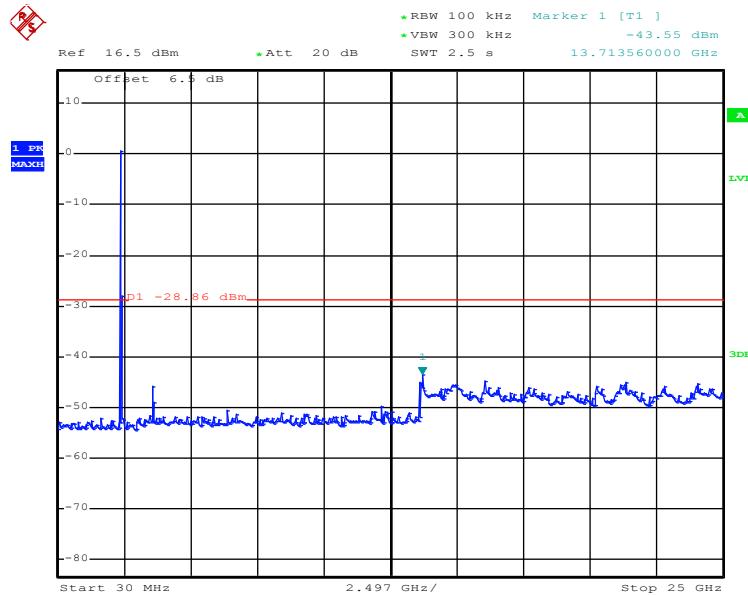
**Highest channel**

Date: 8.MAY.2017 09:51:27

30MHz~25GHz

**Test mode: 802.11n(H20)**

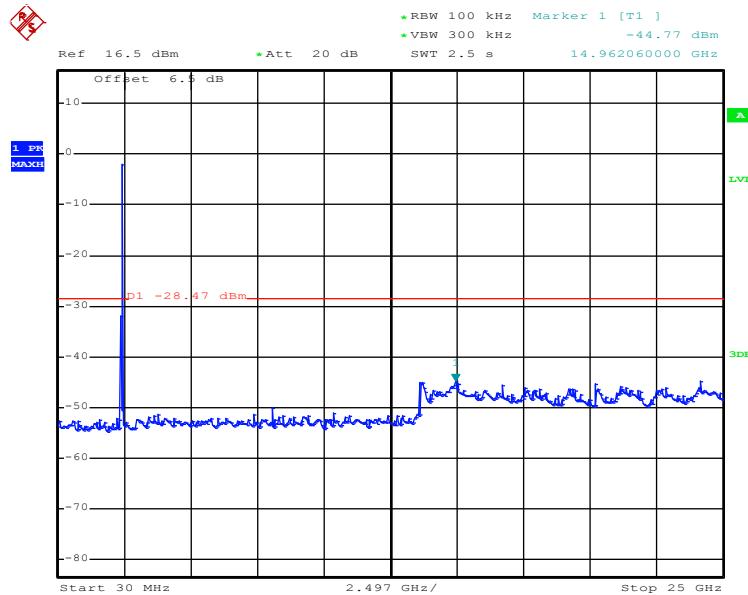
Lowest channel



Date: 8.MAY.2017 09:52:14

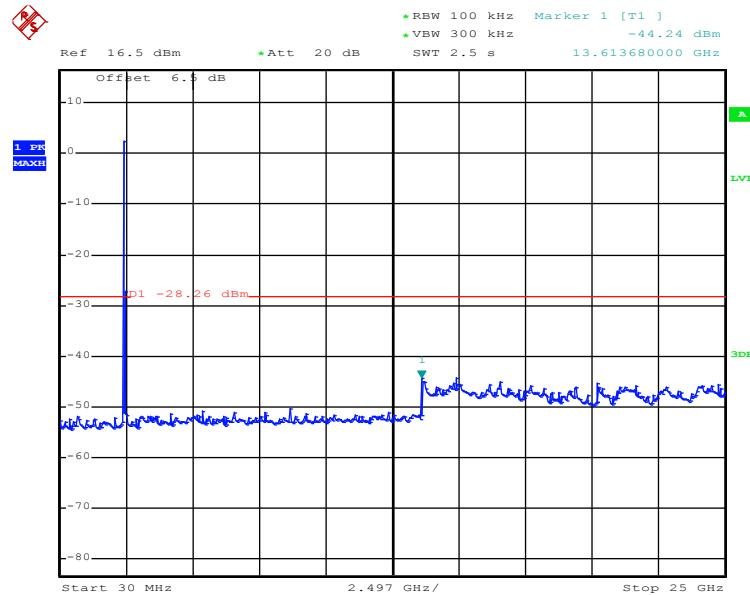
30MHz~25GHz

**Middle channel**



Date: 8.MAY.2017 09:52:52

30MHz~25GHz

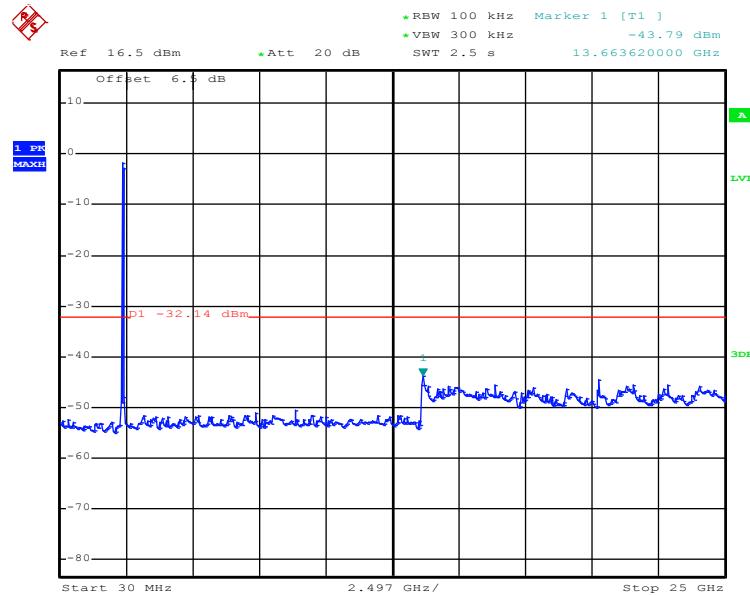
**Highest channel**

Date: 8.MAY.2017 09:54:27

30MHz~25GHz

**Test mode: 802.11n(H40)**

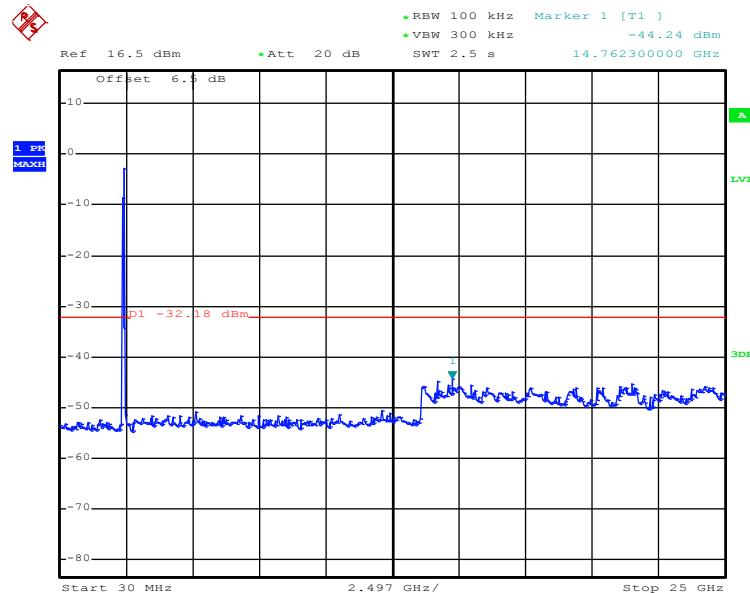
Lowest channel



Date: 8.MAY.2017 09:55:13

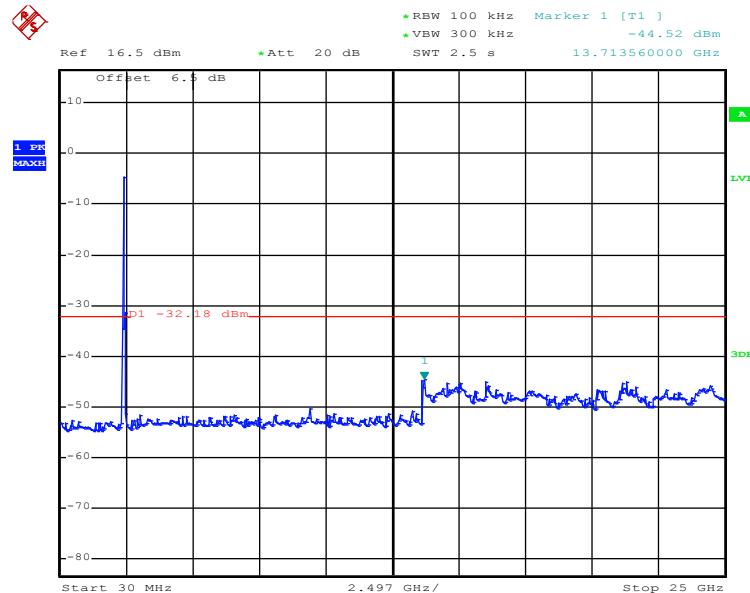
30MHz~25GHz

**Middle channel**



Date: 8.MAY.2017 09:56:13

30MHz~25GHz

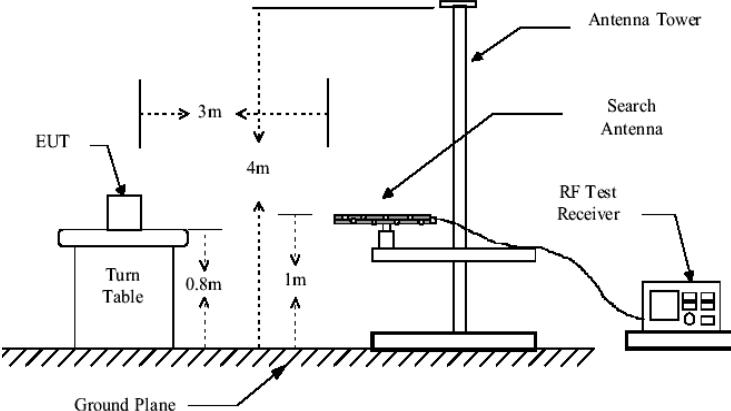
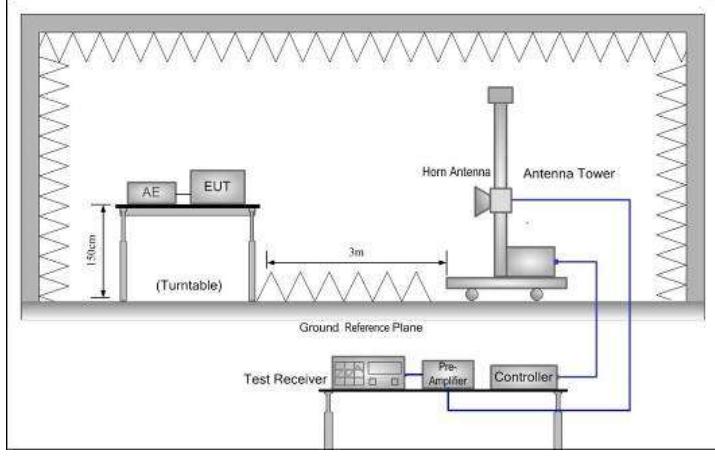
**Highest channel**

Date: 8.MAY.2017 09:56:46

30MHz~25GHz

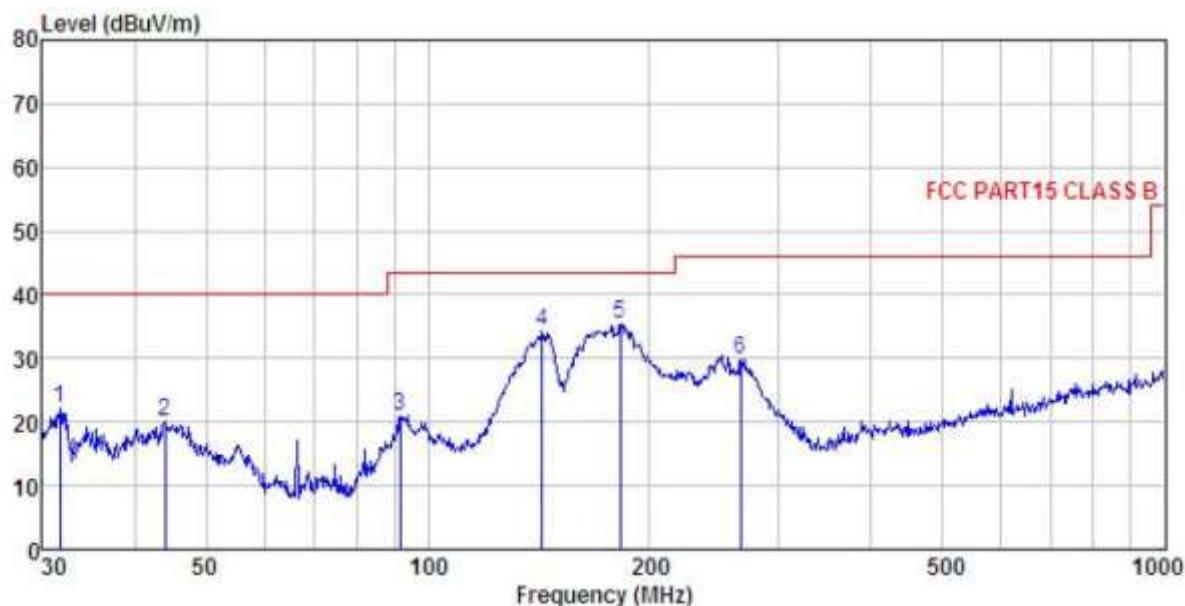
### 6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
Limit:	RMS	1MHz	3MHz	Average	Average Value
	Frequency	Limit (dBuV/m @3m)		Remark	
	30MHz-88MHz	40.0		Quasi-peak Value	
	88MHz-216MHz	43.5		Quasi-peak Value	
	216MHz-960MHz	46.0		Quasi-peak Value	
	960MHz-1GHz	54.0		Quasi-peak Value	
Test Procedure:	Above 1GHz	54.0		Average Value	
		74.0		Peak Value	
<ol style="list-style-type: none"> <li>The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> </ol>					

<p>Test setup:</p>	<p>Below 1GHz</p>  <p>Above 1GHz</p> 
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	<ol style="list-style-type: none"> <li>1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.</li> <li>2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.</li> </ol>

**Below 1GHz**

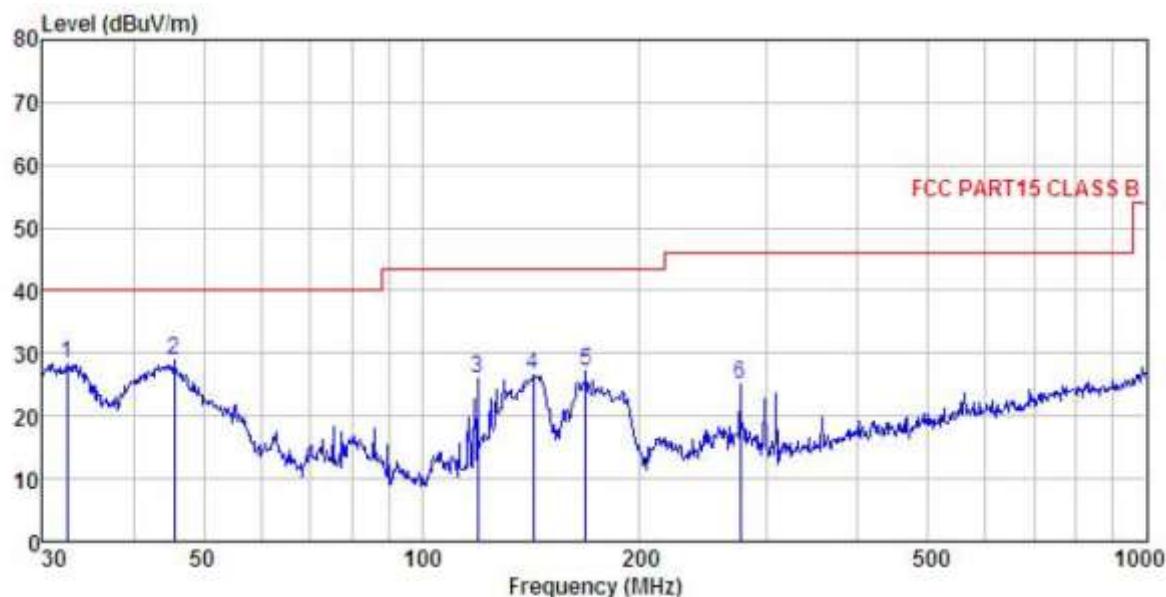
Horizontal:



Site : 3m chamber  
Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL  
EUT : 3G smartphone  
Model : A26062K  
Test mode : WIFI Mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5°C Huni:55%  
Test Engineer: Zora  
REMARK :

Freq MHz	ReadAntenna Level	Cable Factor	Preamp Loss	Limit Line dBuV/m	Over Limit dB	Remark
	dBuV	dB/m	dB			
1 31.620	38.33	13.06	0.85	29.97	22.27	40.00 -17.73 QP
2 43.966	31.14	17.60	1.26	29.87	20.13	40.00 -19.87 QP
3 91.816	40.14	8.35	2.03	29.56	20.96	43.50 -22.54 QP
4 142.824	49.59	11.41	2.43	29.26	34.17	43.50 -9.33 QP
5 182.559	52.19	9.32	2.75	28.95	35.31	43.50 -8.19 QP
6 265.676	43.58	11.95	2.85	28.51	29.87	46.00 -16.13 QP

Vertical:



Site : 3m chamber  
Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL  
EUT : 3G smartphone  
Model : A26062K  
Test mode : WIFI Mode  
Power Rating : AC 120V/60Hz  
Environment : Temp:25.5'C Huni:55%  
Test Engineer: Zora  
REMARK :

Freq	ReadAntenna	Cable	Preamp	Limit	Over	Remark
	Level	Factor	Loss			
MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB
1	32.406	43.86	13.58	0.91	29.97	28.38 40.00 -11.62 QP
2	45.535	40.19	17.28	1.29	29.86	28.90 40.00 -11.10 QP
3	119.436	41.46	11.72	2.16	29.39	25.95 43.50 -17.55 QP
4	142.324	42.05	11.49	2.43	29.26	26.71 43.50 -16.79 QP
5	168.414	43.70	9.81	2.64	29.06	27.09 43.50 -16.41 QP
6	275.157	38.51	12.15	2.87	28.49	25.04 46.00 -20.96 QP

**Above 1GHz**

Test mode: 802.11b			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	50.49	36.06	6.81	41.82	51.54	74.00	-22.46	Vertical
4824.00	51.30	36.06	6.81	41.82	52.35	74.00	-21.65	Horizontal
Test mode: 802.11b			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	44.67	36.06	6.81	41.82	45.72	54.00	-8.28	Vertical
4824.00	45.56	36.06	6.81	41.82	46.61	54.00	-7.39	Horizontal

Test mode: 802.11b			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	48.54	36.32	6.85	41.84	49.87	74.00	-24.13	Vertical
4874.00	46.65	36.32	6.85	41.84	47.98	74.00	-26.02	Horizontal
Test mode: 802.11b			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	41.55	36.32	6.85	41.84	42.88	54.00	-11.12	Vertical
4874.00	40.29	36.32	6.85	41.84	41.62	54.00	-12.38	Horizontal

Test mode: 802.11b			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	50.92	36.58	6.89	41.86	52.53	74.00	-21.47	Vertical
4924.00	49.67	36.58	6.89	41.86	51.28	74.00	-22.72	Horizontal
Test mode: 802.11b			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	43.67	36.58	6.89	41.86	45.28	54.00	-8.72	Vertical
4924.00	41.28	36.58	6.89	41.86	42.89	54.00	-11.11	Horizontal

**Remark:**

1. Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode: 802.11g			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	49.63	36.06	6.81	41.82	50.68	74.00	-23.32	Vertical
4824.00	50.14	36.06	6.81	41.82	51.19	74.00	-22.81	Horizontal
Test mode: 802.11g			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	42.68	36.06	6.81	41.82	43.73	54.00	-10.27	Vertical
4824.00	43.53	36.06	6.81	41.82	44.58	54.00	-9.42	Horizontal

Test mode: 802.11g			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	48.77	36.32	6.85	41.84	50.10	74.00	-23.90	Vertical
4874.00	47.91	36.32	6.85	41.84	49.24	74.00	-24.76	Horizontal
Test mode: 802.11g			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	41.57	36.32	6.85	41.84	42.90	54.00	-11.10	Vertical
4874.00	41.36	36.32	6.85	41.84	42.69	54.00	-11.31	Horizontal

Test mode: 802.11g			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	49.68	36.58	6.89	41.86	51.29	74.00	-22.71	Vertical
4924.00	49.34	36.58	6.89	41.86	50.95	74.00	-23.05	Horizontal
Test mode: 802.11g			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	41.58	36.58	6.89	41.86	43.19	54.00	-10.81	Vertical
4924.00	41.26	36.58	6.89	41.86	42.87	54.00	-11.13	Horizontal

## Remark:

- Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	49.52	36.06	6.81	41.82	50.57	74.00	-23.43	Vertical
4824.00	49.95	36.06	6.81	41.82	51.00	74.00	-23.00	Horizontal
Test mode: 802.11n(H20)			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4824.00	41.57	36.06	6.81	41.82	42.62	54.00	-11.38	Vertical
4824.00	41.69	36.06	6.81	41.82	42.74	54.00	-11.26	Horizontal

Test mode: 802.11n(H20)			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	48.67	36.32	6.85	41.84	50.00	74.00	-24.00	Vertical
4874.00	48.80	36.32	6.85	41.84	50.13	74.00	-23.87	Horizontal
Test mode: 802.11n(H20)			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	40.29	36.32	6.85	41.84	41.62	54.00	-12.38	Vertical
4874.00	40.41	36.32	6.85	41.84	41.74	54.00	-12.26	Horizontal

Test mode: 802.11n(H20)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	49.55	36.58	6.89	41.86	51.16	74.00	-22.84	Vertical
4924.00	48.86	36.58	6.89	41.86	50.47	74.00	-23.53	Horizontal
Test mode: 802.11n(H20)			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4924.00	41.20	36.58	6.89	41.86	42.81	54.00	-11.19	Vertical
4924.00	40.13	36.58	6.89	41.86	41.74	54.00	-12.26	Horizontal

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.

Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4844.00	48.57	36.06	6.81	41.82	49.62	74.00	-24.38	Vertical
4844.00	48.62	36.06	6.81	41.82	49.67	74.00	-24.33	Horizontal
Test mode: 802.11n(H40)			Test channel: Lowest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4844.00	40.16	36.06	6.81	41.82	41.21	54.00	-12.79	Vertical
4844.00	40.08	36.06	6.81	41.82	41.13	54.00	-12.87	Horizontal

Test mode: 802.11n(H40)			Test channel: Middle			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	48.39	36.32	6.85	41.84	49.72	74.00	-24.28	Vertical
4874.00	48.57	36.32	6.85	41.84	49.90	74.00	-24.10	Horizontal
Test mode: 802.11n(H40)			Test channel: Middle			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4874.00	39.97	36.32	6.85	41.84	41.30	54.00	-12.70	Vertical
4874.00	40.15	36.32	6.85	41.84	41.48	54.00	-12.52	Horizontal

Test mode: 802.11n(H40)			Test channel: Highest			Remark: Peak		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	48.62	36.45	6.87	41.85	50.09	74.00	-23.91	Vertical
4904.00	48.21	36.45	6.87	41.85	49.68	74.00	-24.32	Horizontal
Test mode: 802.11n(H40)			Test channel: Highest			Remark: Average		
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polar.
4904.00	40.41	36.45	6.87	41.85	41.88	54.00	-12.12	Vertical
4904.00	40.35	36.45	6.87	41.85	41.82	54.00	-12.18	Horizontal

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.