

# Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCIS15120096203

# **FCC REPORT**

(WIFI)

Applicant: Grand Electronics, INC

Address of Applicant: 11650 Brentcross Dr Tomball, TX 77377, United States

**Equipment Under Test (EUT)** 

Product Name: Tablet

Model No.: K1, King10, K1x, K1x plus, K-pad

Trade mark: NeuTab, neutab.

FCC ID: 2AGNKK1

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

Date of sample receipt: 15 Dec., 2015

**Date of Test:** 15 Dec., 2015 to 12 Jan., 2016

Date of report issued: 12 Jan., 2016

Test Result: PASS\*

#### 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 theCCISproduct 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 orfalsification 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.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.





# 2 Version

Version No.	Date	Description
00	12 Jan., 2016	Original

Tested by: Zora Lee 12 Jan., 2016

Test Engineer

Reviewed by: Date: 12 Jan., 2016

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:	Grand Electronics, INC
Address of Applicant:	11650 Brentcross Dr Tomball, TX 77377,United States
Manufacturer:	GRAND ELECTRI-TECH GLOBAL TRADING LIMITED
Address of Manufacturer:	UNIT 04, 7/F, BRIGHT WAY TOWER, NO. 33 MONG KOK ROAD, KOWLOON, HK.
Factory:	SHENZHEN JRAY HIGH TECHNOLOGYCO., LTD
Address of Factory:	1-4F, PerfectSciencePark, Shang Hang Lang, Big Wave, Longhua, Baoan Shenzhen

# 5.2 General Description of E.U.T.

	_
Product Name:	Tablet
Model No.:	K1, King10, K1x, K1x plus, K-pad
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:	2.0 dBi
AC adapter:	Model: HT-003-050200 Input:100-240V AC, 50/60Hz 0.35A Max Output: 5V DC Max2000mA
Power supply:	Rechargeable Li-ion Battery DC3.7V-4500mAh
Remark:	The model No.: K1, King10, K1x, K1x plus, K-pad were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being different 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	Channel Frequency Channel Frequency Channel Frequency Channel Frequency								
4 2427MHz 7 2442MHz									
5 2432		2432MHz	8	2447MHz					
3	2422MHz	6	2437MHz	9	2452MHz	Z			

#### 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



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#### 5.3 Test environment andmode

Operating Environment:	Operating Environment:				
Temperature:	24.0 °C				
Humidity:	54 % RH				
Atmospheric Pressure:	1010 mbar				
Test mode:					
Operation mode	Keep the EUT in continuous transmitting with modulation				

The sample was placed 0.8m 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:

#### Per-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

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 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.

### 5.5 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

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366





### 5.6 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	03-28-2015	03-28-2016	
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	03-28-2015	03-28-2016	
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2015	03-31-2016	
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2015	03-31-2016	
6	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2015	03-31-2016	
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2015	03-31-2016	
8	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	03-28-2015	03-28-2016	
9	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	03-28-2015	03-28-2016	
10	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2015	03-31-2016	

Cond	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	03-28-2015	03-28-2016		
3	LISN	CHASE	MN2050D	CCIS0074	03-28-2015	03-28-2016		
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2015	03-31-2016		
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		



### 6 Test results and Measurement Data

## **6.1 Antenna requirement:**

Standard requirement: FCC Part15 C Section 15.203 /247(c)

15.203 requirement:

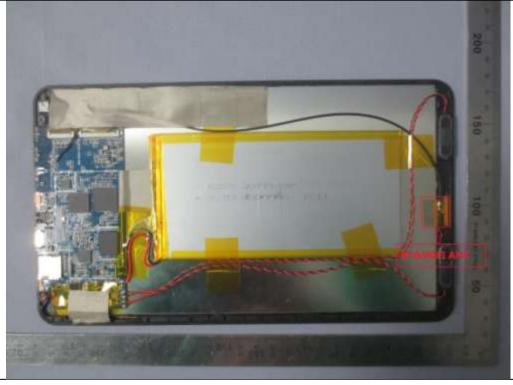
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively forfixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBiprovided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

#### E.U.T Antenna:

The WiFi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 2.0dBi.







# 6.2 Conducted Emission

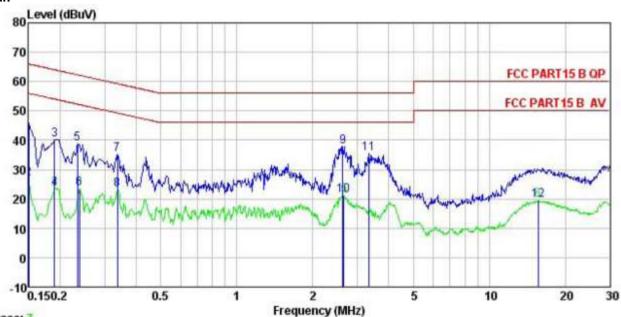
Test Method: ANSI C63.4: 2009 TestFrequencyRange: 150kHz to 30MHz Class / Severity: Class B Receiver setup: RBW=9kHz, VBW=30kHz Limit: Frequency range (MHz)  0.15-0.5 66 to 56° 56 to 46° 0.5-5 56 46 5-30 60 50 * Decreases with the logarithm of the frequency.  Test procedure  1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), whichprovides a 50ohm/50uH coupling impedance for the measuring equipment.  2. 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).  3. 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: 2009 on conducted measurement.  Test setup:  Reference Plane  Reference Plane  LISN  AUX  EUST Equipment Linder Test LISN Line Impedance Stabilization Network Test instruments: Refer to section 5.6 for details  Refer to section 5.3 for details  Test mode: Refer to section 5.3 for details						
TestFrequencyRange: 150kHz to 30MHz  Class / Severity: Class B  Receiver setup: RBW=9kHz, VBW=30kHz  Limit: Frequency range (MHz)	Test Requirement:	FCC Part15 C Section 15.207				
Class / Severity:  Receiver setup:  RBW=9kHz, VBW=30kHz  Limit:  Frequency range (MHz)  Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 50 60 50 *Decreases with the logarithm of the frequency.  1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), whichprovides a 500hm/50UH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50UH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs).  3. 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: 2009 on conducted measurement.  Test setup:  Reference Plane  LISN Line impedence Stabilization Network  Test uncertainty:  Test Uncertainty:  Refer to section 5.6 for details  Refer to section 5.3 for details	Test Method:	ANSI C63.4: 2009				
Receiver setup:    RBW=9kHz, VBW=30kHz	TestFrequencyRange:	150kHz to 30MHz				
Limit:    Frequency range (MHz)	Class / Severity:	Class B				
Test setup:    Frequency range (MHz)	Receiver setup:	RBW=9kHz, VBW=30kHz				
1. Test procedure  1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), whichprovides a 500nm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 500nm/50uH coupling impedance for the measuring equipment.  3. 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: 2009 on conducted measurement.  Test setup:  Reference Plane  LISN  Test setup:  Reference Plane  LISN  Test uncertainty:  Test Uncertainty:  Refer to section 5.6 for details  Test mode:  Refer to section 5.3 for details	Limit:	Fraguency range (MHz)	dBuV)			
Decreases with the logarithm of the frequency.		, , ,				
Test procedure  1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), whichprovides a 50ohm/50uH coupling impedance for the measuring equipment.  2. 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).  3. 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: 2009 on conducted measurement.  Test setup:  Reference Plane  Reference Plane  Reference Plane  LISN  Filter  AC power  LISN  Filter  AC power  Restable/Insulation plane  Restable/Insulation Network  Test table height=0 8m  Test Uncertainty:  Refer to section 5.6 for details  Refer to section 5.3 for details						
Test procedure  1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), whichprovides a 500hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs).  3. 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: 2009 on conducted measurement.  Test setup:  Reference Plane  Reference Plane  Reference Plane  LISN Line impedence Stabilization Network Test table height=0 &m  Test Uncertainty: ±3.28 c  Test Instruments: Refer to section 5.6 for details  Refer to section 5.3 for details						
1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), whichprovides a 500hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs).  3. 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: 2009 on conducted measurement.  Test setup:  Reference Plane  Remark  E.U.T. Equipment Under Test  LISN Une Impedance Stabilization Network  Test table height=0 8m  Test Uncertainty:  Refer to section 5.6 for details  Refer to section 5.3 for details				50		
Test Uncertainty:  Test Instruments:  Refer to section 5.3 for details  Refer to section 5.3 for details  Refer to section 5.3 for details		<ul> <li>a line impedance stabilization 500hm/50uH coupling implements.</li> <li>The peripheral devices at through a LISN that provious with 500hm termination. (test setup and photograph)</li> <li>Both sides of A.C. line are interference. In order to fit positions of equipment are changed according to AN measurement.</li> </ul>	ation network (L.I.S.N.) pedance for the measure also connected to the des a 50ohm/50uH corplease refer to the blocks).  The checked for maximum at the maximum emisted all of the interface corpless.	), whichprovides a uring equipment. The main power upling impedance tock diagram of the m conducted sion, the relative ables must be		
Test Instruments: Refer to section 5.6 for details  Test mode: Refer to section 5.3 for details	rest setup.	AUX Equipment  Test table/Insulation pla  Remark E.U.T. Equipment Under Test LISN Line Impedence Stabilization	U.T EMI Receiver	er — AC power		
Test mode: Refer to section 5.3 for details	Test Uncertainty:			±3.28 dB		
	Test Instruments:					
Test results: Passed	Test mode:					
	Test results:	Passed				

#### **Measurement Data**





#### Neutral:



Trace: 7 Site

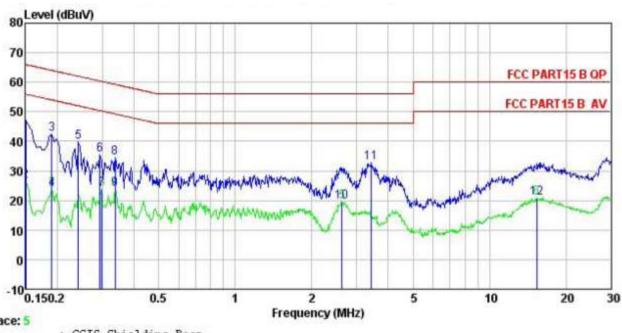
: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

EUT : Tablet Model : K1 Power Rating: AC120/60Hz
Environment: Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: Zora
Remark: Test Mode : Wifi mode

Nemark.	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu₹	<u>dB</u>	₫₿	dBu₹	dBu₹	<u>d</u> B	
1	0.150	34.82	0.25	10.78	45.85	66.00	-20.15	QP
2	0.150	15.73	0.25	10.78	26.76	56.00	-29.24	Average
1 2 3 4 5 6 7 8 9	0.190	29.26	0.25	10.76	40.27	64.02	-23.75	QP
4	0.190	12.53	0.25	10.76	23.54	54.02	-30.48	Average.
5	0.234	27.86	0.25	10.75	38.86	62.30	-23.44	QP
6	0.238	12.45	0.25	10.75	23.45	52.17	-28.72	Average
7	0.337	24.31	0.26	10.73	35.30	59.27	-23.97	QP
8	0.337	12.13	0.26	10.73	23.12	49.27	-26.15	Average
9	2.636	26.50	0.29	10.93	37.72	56.00	-18.28	QP
10	2.650	9.84	0.29	10.93	21.06	46.00	-24.94	Average
11	3.328	24.14	0.29	10.91	35.34	56.00	-20.66	QP
12	15.635	8.31	0.25	10.91	19.47	50.00	-30.53	Average



#### Line:



Trace: 5 Site

: CCIS Shielding Room : FCC PART15 B QP LISN LINE Condition

EUT : Tablet : K1 Model Test Mode : Wifi mode

Power Rating: AC120/60Hz Environment: Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: Zora

Kemark	Freq	Read Level	LISN Factor	Cable Loss		Limit Line	Over Limit	Remark	
	MHz	dBu∛	₫₿	₫B	dBu∀	dBu√			
1	0.150	36.16	0.27	10.78	47.21	66.00	-18.79	QP	
2	0.150	15.50	0.27	10.78	26.55	56.00	-29.45	Average	
3	0.190	31.41	0.28	10.76	42.45	64.02	-21.57	QP	
1 2 3 4 5 6 7 8 9	0.190	12.79	0.28	10.76	23.83	54.02	-30.19	Average	
5	0.242	28.79	0.27	10.75	39.81	62.04	-22, 23	QP	
6	0.294	24.62	0.26	10.74	35.62	60.41	-24.79	QP	
7	0.299	12.91	0.26	10.74	23.91	50.28	-26.37	Average	
8	0.337	23.55	0.27	10.73	34.55	59.27	-24.72	QP	
9	0.337	12.91	0.27	10.73	23.91	49.27	-25.36	Average	
10	2.636	8.25	0.27	10.93	19.45	46.00	-26.55	Average	
11	3.436	21.59	0.28	10.91	32.78	56.00	-23.22	QP	
12	15.307	9.74	0.32	10.90	20.96	50.00	-29.04	Average	
12	15.307	9.74	0.32	10.90	20.96	50.00	-29.04	Averag	ge

#### 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 peakemission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss



# **6.3 Conducted Output Power**

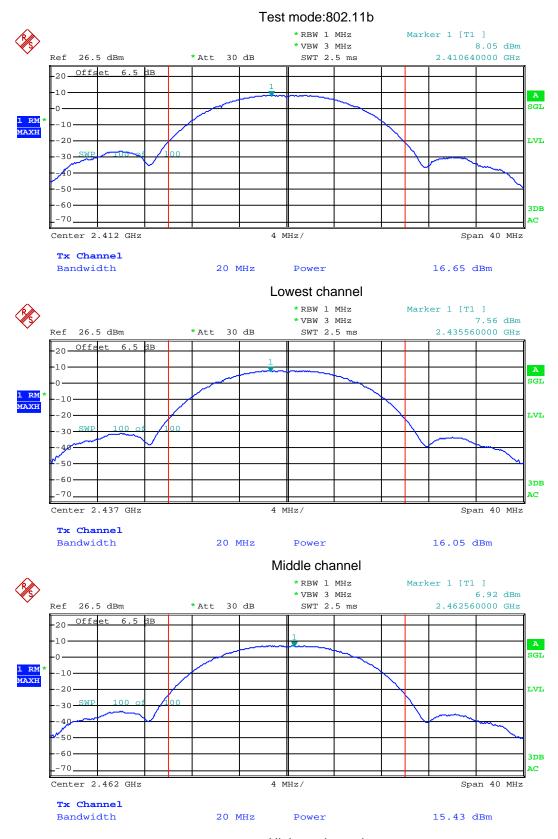
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)	
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 9.2.2	
Limit:	30dBm	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.6 for details	
Test mode:	Refer to section 5.3 for details	
Test results:	Passed	

#### Measurement Data

Test CH	Ма	ximum Conduct	Limit(dBm)	Result		
1631 011	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBin)	Mesuit
Lowest	16.65	13.91	13.15	11.97		
Middle	16.05	13.37	12.48	11.59	30.00	Pass
Highest	15.43	12.78	11.95	11.27		

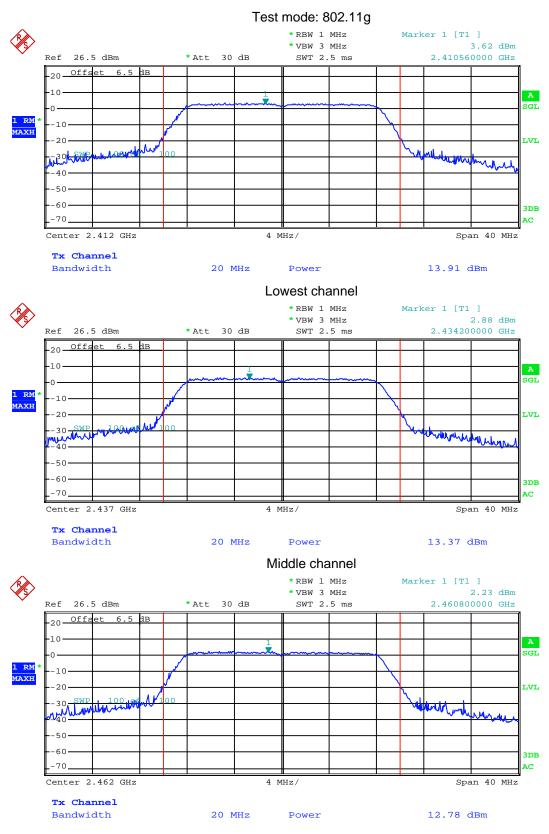
Test plot as follows:





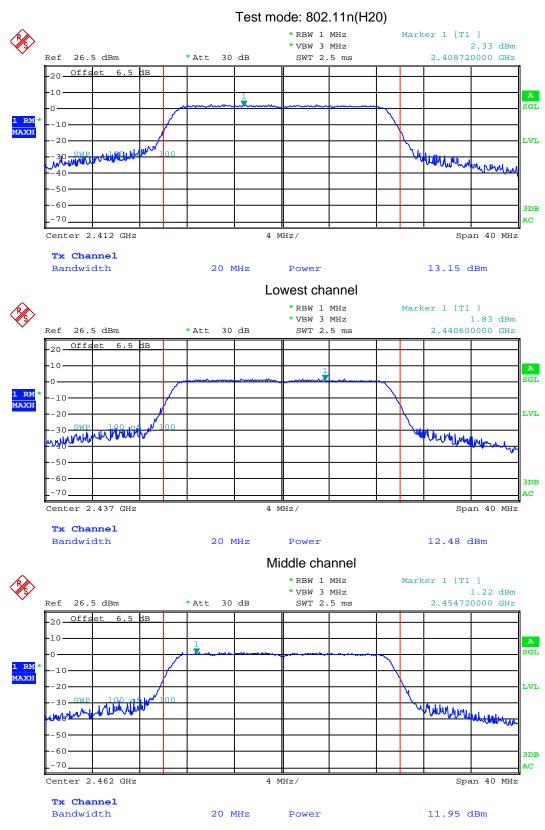
Highest channel





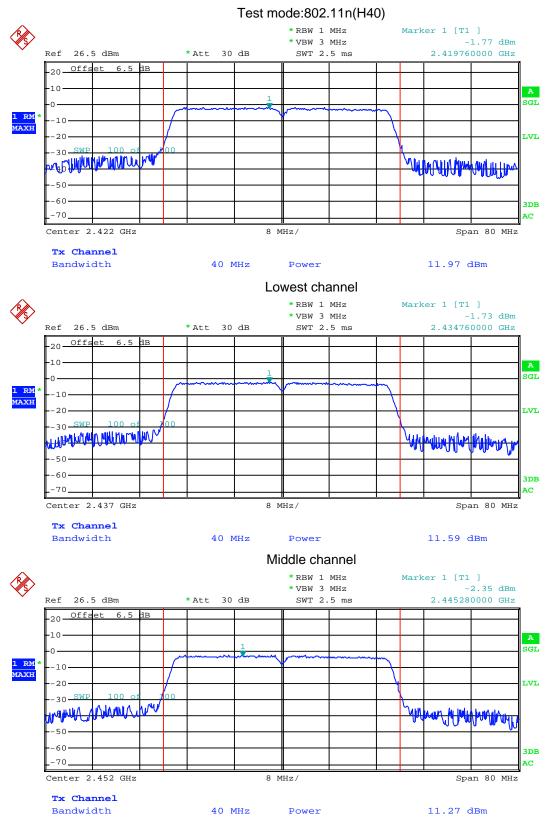
Highest channel





Highest channel





Highest channel



# 6.4 Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 8.1
Limit:	>500kHz
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane
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	Limit(kHz)	Result		
1031 011	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Liiiii(Ki iz)	result
Lowest	10.32	16.64	17.76	36.64		
Middle	10.24	16.64	17.84	36.80	>500	Pass
Highest	10.24	16.64	17.76	36.64		

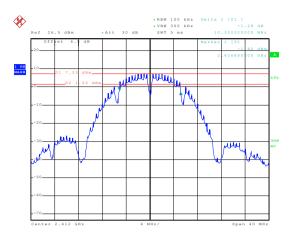
Test CH		99%Occupy	Limit(kHz)	Result		
1031011	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Liiiii(Ki iz)	result
Lowest	14.72	16.64	17.76	36.16		
Middle	14.48	16.56	17.68	36.16	N/A	N/A
Highest	14.56	16.64	17.76	36.16		

Test plot as follows:



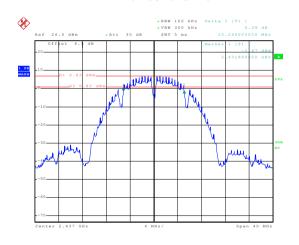
#### 6dB EBW

#### Test mode: 802.11b



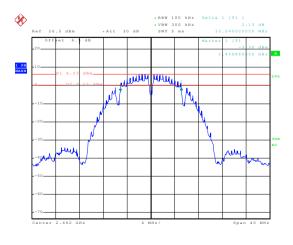
Date: 21.DEC.2015 10:00:40

#### Lowest channel



Date: 21.DEC.2015 10:02:05

#### Middle channel

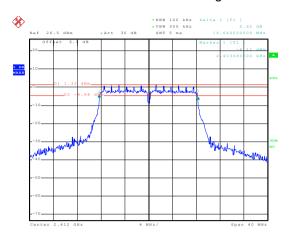


Date: 21.DEC.2015 10:03:11

Highest channel

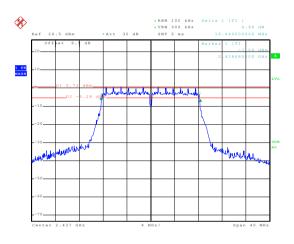


#### Test mode: 802.11g



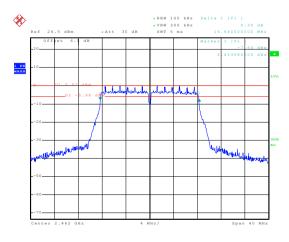
Date: 21.DEC.2015 10:07:32

#### Lowest channel



Date: 21.DEC.2015 10:08:40

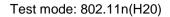
#### Middle channel

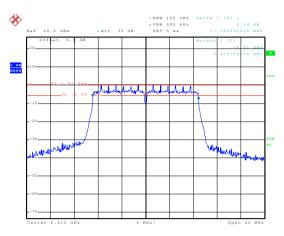


Date: 21.DEC.2015 10:10:44

Highest channel

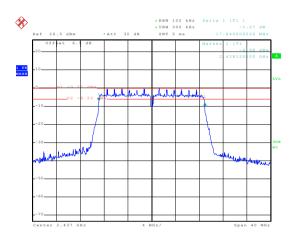






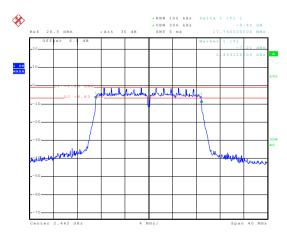
Date: 21.DEC.2015 10:13:07

#### Lowest channel



Date: 21.DEC.2015 10:14:36

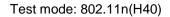
#### Middle channel

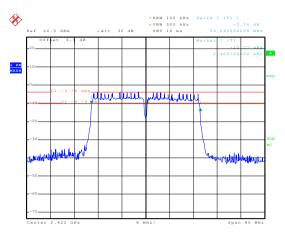


Date: 21.DEC.2015 10:17:10

Highest channel

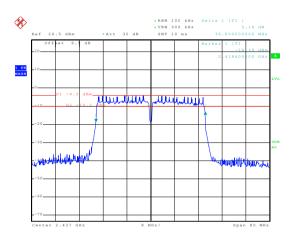






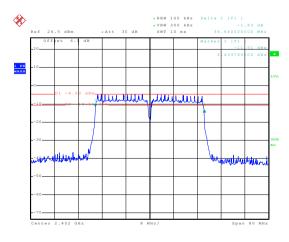
Date: 21.DEC.2015 10:18:29

#### Lowest channel



Date: 21.DEC.2015 10:19:22

#### Middle channel



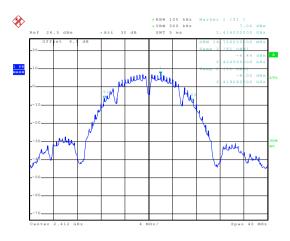
Date: 21.DEC.2015 10:20:19

Highest channel



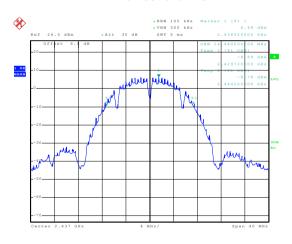
#### 99% OBW

#### Test mode: 802.11b



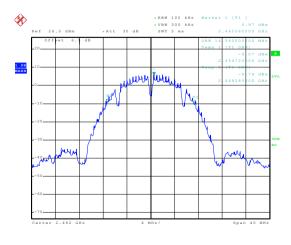
Date: 21.DEC.2015 10:05:48

#### Lowest channel



Date: 21.DEC.2015 10:05:21

#### Middle channel

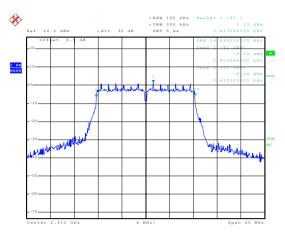


Date: 21.DEC.2015 10:04:50

Highest channel

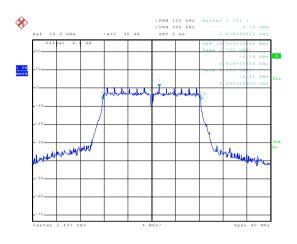


#### Test mode: 802.11g



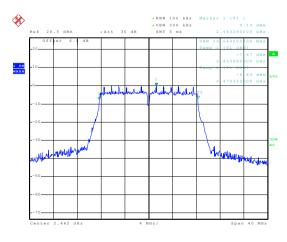
Date: 21.DEC.2015 10:06:27

#### Lowest channel



Date: 21.DEC.2015 10:09:04

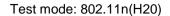
#### Middle channel

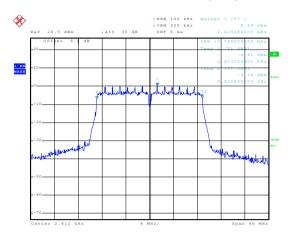


Date: 21.DEC.2015 10:09:36

Highest channel

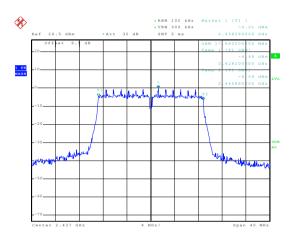






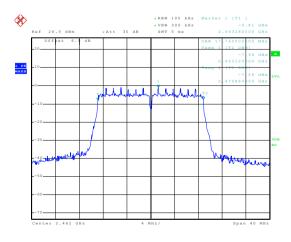
Date: 21.DEC.2015 10:11:48

#### Lowest channel



Date: 21.DEC.2015 10:15:03

#### Middle channel

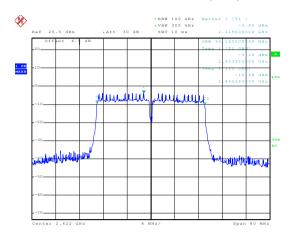


Date: 21.DEC.2015 10:16:17

Highest channel

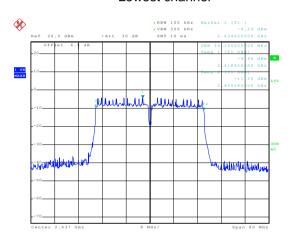


#### Test mode: 802.11n(H40)



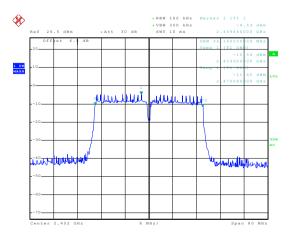
Date: 21.DEC.2015 10:21:34

#### Lowest channel



Date: 21.DEC.2015 10:21:10

#### Middle channel



Date: 21.DEC.2015 10:20:49

Highest channel



# 6.5 Power Spectral Density

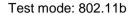
Test Requirement:	FCC Part15 C Section 15.247 (e)	
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 10.2	
Limit:	8dBm	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.6 for details	
Test mode:	Refer to section 5.3 for details	
Test results:	Passed	

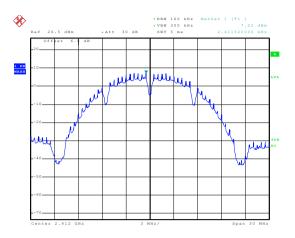
### Measurement Data

Test CH		Power Spec	Limit(dBm)	Result		
1631 011	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBin)	Nesuit
Lowest	7.22	1.22	0.26	-3.71		
Middle	6.76	0.53	-0.33	-4.09	8.00	Pass
Highest	5.97	0.07	-0.89	-4.43		

Test plot as follows:

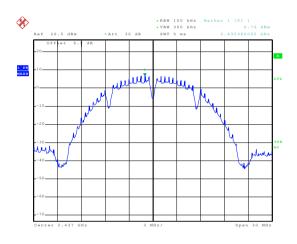






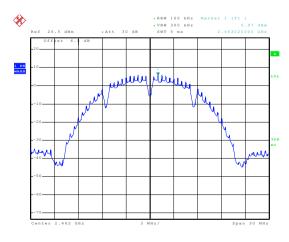
Date: 21.DEC.2015 10:24:37

#### Lowest channel



Date: 21.DEC.2015 10:23:20

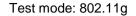
#### Middle channel

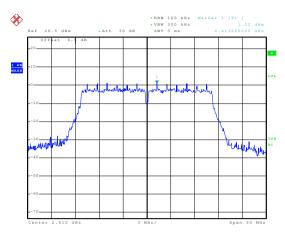


Date: 21.DEC.2015 10:23:48

Highest channel

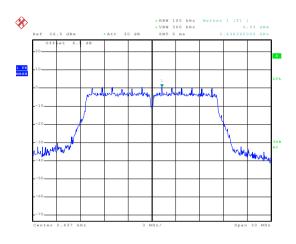






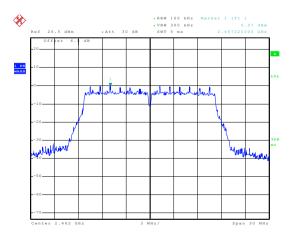
Date: 21.DEC.2015 10:24:59

#### Lowest channel



Date: 21.DEC.2015 10:25:22

#### Middle channel

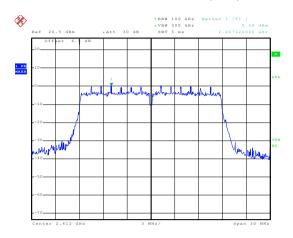


Date: 21.DEC.2015 10:25:47

Highest channel

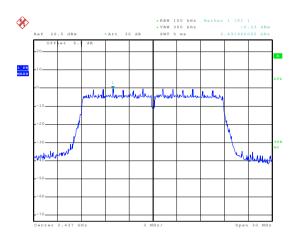


#### Test mode: 802.11n(H20)



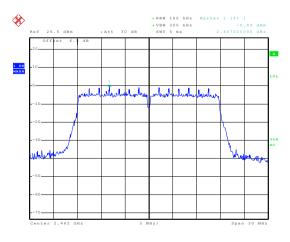
Date: 21.DEC.2015 10:26:14

#### Lowest channel



Date: 21.DEC.2015 10:26:38

#### Middle channel

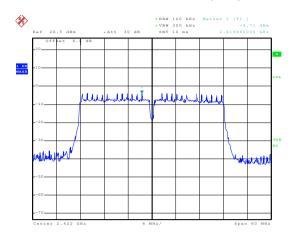


Date: 21.DEC.2015 10:27:10

Highest channel

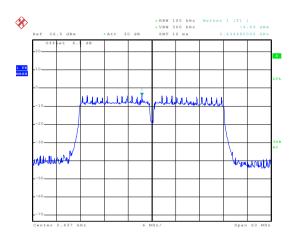


#### Test mode: 802.11n(H40)



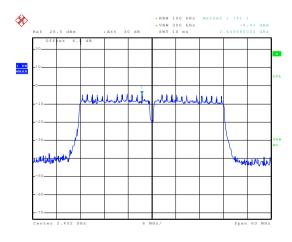
Date: 21.DEC.2015 10:27:46

#### Lowest channel



Date: 21.DEC.2015 10:28:09

#### Middle channel



Date: 21.DEC.2015 10:28:39

Highest channel





# 6.6 Band Edge

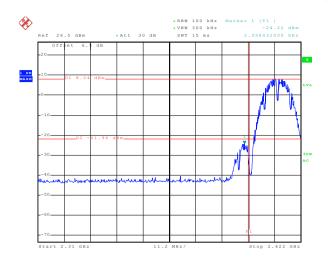
#### 6.6.1 Conducted Emission Method

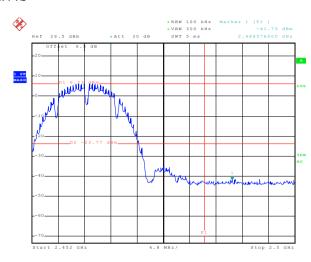
Test Requirement:	FCC Part15 C Section 15.247 (d)		
Test Method:	ANSI C63.10:2009 and KDB558074v03r03 section 13		
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spreadspectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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: 18.DEC.2015 10:58:32

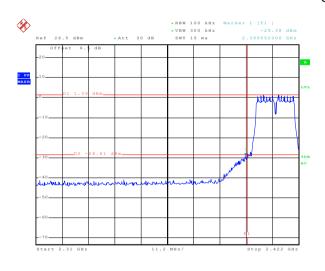
Lowest channel

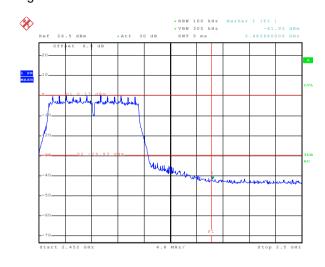
Highest channel

#### 802.11g

Date: 21.DEC.2015 10:34:37

Date: 21.DEC.2015 10:33:33





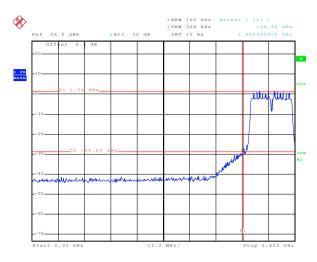
Date: 18.DEC.2015 11:01:57

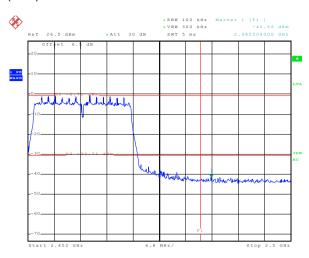
Lowest channel

Highest channel



#### 802.11n(H20)





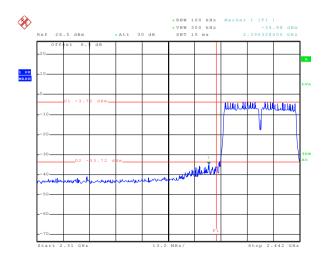
Date: 18.DEC.2015 11:04:16

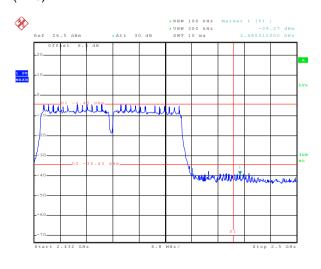
Lowest channel

Date: 21.DEC.2015 10:32:14

Highest channel

#### 802.11n(H40)





Date: 18.DEC.2015 11:06:54

Lowest channel

Date: 21.DRC.2015 10:30:46

Highest channel



### 6.6.2 Radiated Emission Method

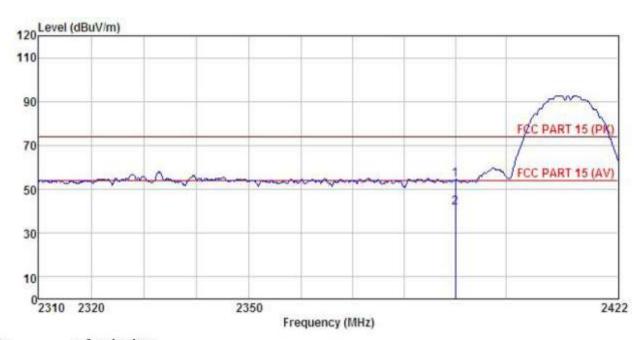
todetermine the position of the highest radiation.  2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.  3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.  4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.  5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.  6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not		- IIIOU							
Test site: Measurement Distance: 3m  Receiver setup:    Frequency	Test Requirement:	FCC Part15 C Section 15.209 and 15.205							
Test site: Measurement Distance: 3m    Receiver setup:   Frequency	Test Method:	ANSI C63.10: 2009and KDB 558074v03r03 section 12.1							
Frequency   Detector   RBW   VBW   Remark   Above 1GHz   Peak   1MHz   3MHz   Peak Value   RMS   1MHz   3MHz   Average Value   RMS   1MHz   3MHz   Average Value   State   Above 1GHz   Frequency   Limit (dBuV/m @3m)   Remark   Above 1GHz   74.00   Peak Value   Above 1GHz   74.00   Peak Value   Test Procedure:   1. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation.   2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.   3. 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.   4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatable-was turned from 0 degrees to 360 degrees to find the maximum reading.   5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.   6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one sing peak, quasipeak or average method as specified andthen reported in a data sheet.   Test setup:   Test setup:   Test Instruments:   Refer to section 5.6 for details   Refer to section 5.6 for details	TestFrequencyRange:								
Frequency   Detector   RBW   VBW   Remark   Peak Value   Peak Value   RMS   1MHz   3MHz   Average Value	Test site:								
Limit:    Frequency	Receiver setup:								
Limit:    Frequency		Frequency							
Limit:    Frequency		Above 1GHz							
Frequency Limit (dBuV/m @3m) Remark Above 1GHz 74.00 Average Value 74.00 Peak Value 74.00 Peak Value 74.00 Peak Value 74.00 Peak Value 1. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower. 3. 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. 4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas tuned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasipeak or average method as specified andthen reported in a data sheet.  Test setup:	129		RIVIS	1MHZ	3IVIHZ	Average value			
Test Procedure:  1. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation.  2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.  3. 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.  4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.  5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.  6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasipeak or average method as specified andthen reported in a data sheet.  Test setup:	Limit:	Freque	ncv	Limit (dBuV	/m @3m)	Remark			
Test Procedure:  1. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation.  2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.  3. 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.  4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.  5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.  6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasipeak or average method as specified andthen reported in a data sheet.  Test setup:  Refer to section 5.6 for details				\					
the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation.  2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.  3. 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.  4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.  5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.  6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasipeak or average method as specified andthen reported in a data sheet.  Test setup:  Refer to section 5.6 for details		Above 1	GHZ						
Test Instruments:  Refer to section 5.6 for details		<ol> <li>the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, whichwas 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 thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas 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 SpecifiedBandwidth with Maximum Hold Mode.</li> <li>If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasipeak or average method as specified andthen reported in a data</li> </ol>							
		(Turnisible)  Graund Seleverus Plene							
Test mode: Refer to section 5.3 for details	Test Instruments:	Refer to section 5.6 for details							
	Test mode:	Refer to section 5.3 for details							
Test results: Passed	Test results:	Passed							



#### 802.11b

Test channel:Lowest

Horizontal:



Site

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

: Tablet EUT

Model : K1

Test mode : Wifi-b-L Mode Power Rating : AC 120V/60Hz

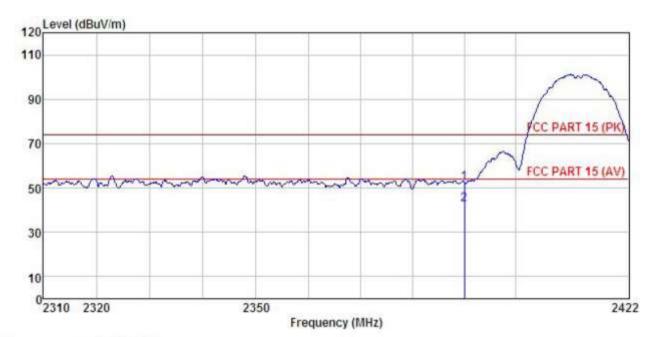
Environment: Temp: 25.5°C Huni: 55% Test Engineer: Zora REMARK

iron/	an .								
		ReadAntenna		Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu₹	−dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	20.11	27.58	6.63	0.00	54.32	74.00	-19.68	Peak
2	2390 000	7 37	27.58	6 63	0.00	41.58	54 00	-12.42	Average

#### Remark:

- 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.





Site

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

EUT : Tablet Model : K1

Test mode : Wifi-b-L Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora REMARK :

n		Read	Antenna	Cable	Preamp		Limit	Over	
	Freq		Factor						
	MHz	dBu∜	dB/m	₫B	−−−dB	dBuV/m	dBuV/m	dB	
95	2390.000						74.00 54.00		Peak Average

#### Remark:

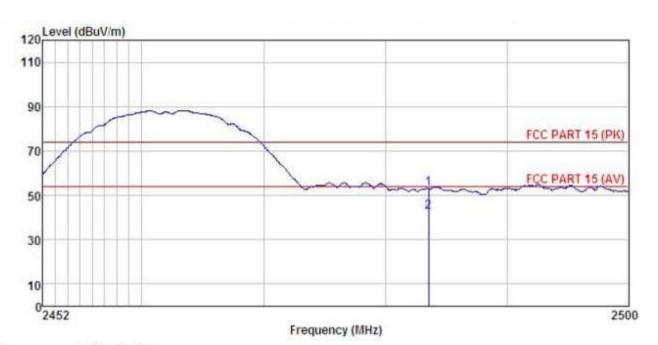
2

- Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor 1.
- 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

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

EUT : Tablet : K1 Model

Test mode : Wifi-b-H Mode Power Rating : AC 120V/60Hz

Environment : Temp:25.5°C Huni:55% Test Engineer: Zora REMARK :

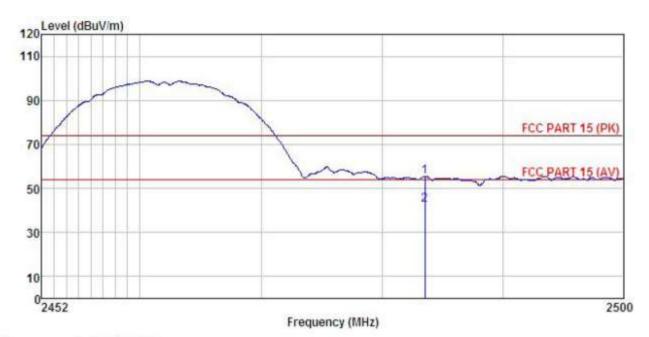
Ą.	KK :								
		Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∀	dB/m	₫B	₫B	dBuV/m	dBuV/m	₫B	
	2483.500	18.64	27.52	6.85	0.00	53.01	74.00	-20.99	Peak
	2483.500	8.17	27.52	6.85	0.00	42.54	54.00	-11.46	Average

#### Remark:

1 2

- 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.





Site

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

: Tablet EUT : K1 Model

: Wifi-b-H Mode Test mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55% Test Engineer: Zora

REMAR

9,	KK :	Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq						Line	Limit	Remark
	MHz	dBu₹	dB/m	₫B	dB	dBuV/m	dBuV/m	<u>dB</u>	
	2483,500					55.42 42.61			

### Remark:

- 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.

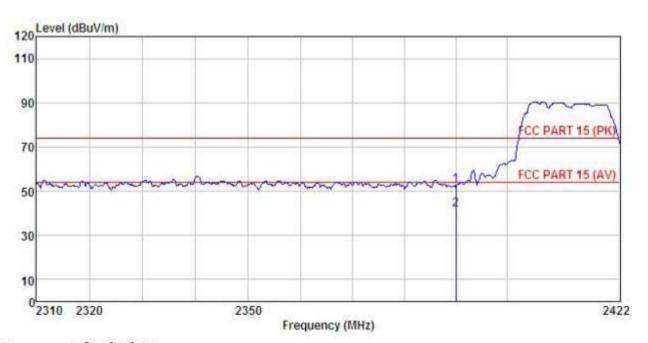




#### 802.11g

Test channel:Lowest

Horizontal:



Site : 3m chamber

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

: Tablet EUT Model : K1

Test mode : Wifi-g-L Mode Power Rating : AC 120V/60Hz

Environment : Temp:25.5°C Huni:55% Test Engineer: Zora REMARK :

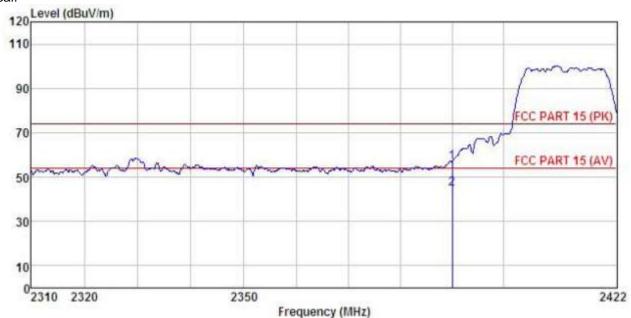
EMAR	v :	Read	Antenna	Cable	Preamp		Limit	Over	
	Freq								Remark
	MHz	dBu∜	dB/m	dB	₫B	dBuV/m	dBuV/m	dB	
1 2	2390,000 2390,000					52.75 41.67			Peak Average

#### 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.







Site : 3m chamber

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

EUT : Tablet

Model : K1

Test mode : Wifi-g-L Mode Power Rating : AC 120V/60Hz

Environment : Temp:25.5°C Huni:55% Test Engineer: Zora REMARK :

	44.								
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	dB/m	₫B	₫B	dBuV/m	dBuV/m	₫₿	
1 2	2390.000								Peak Average

#### Remark:

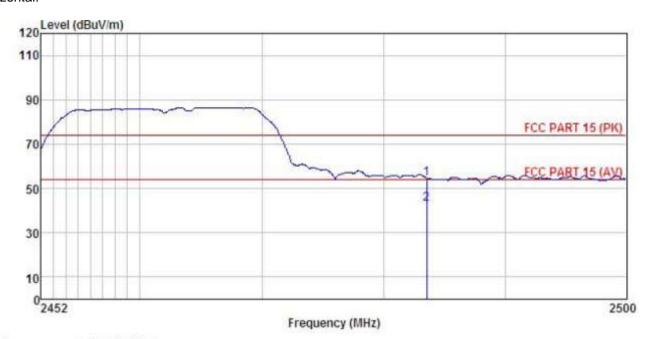
- Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor 1.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





#### Test channel: Highest

#### Horizontal:



Site : 3m chamber

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

EUT : Tablet : K1 Model

Test mode : Wifi-g-H Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora

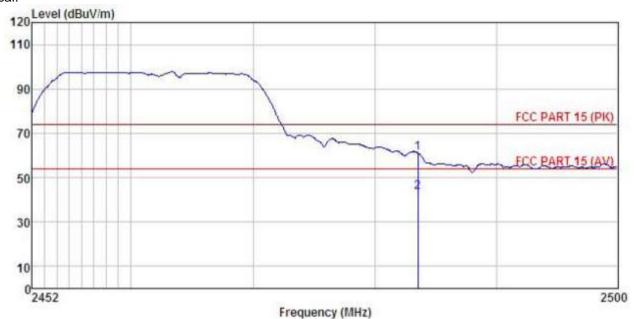
REMA

A	RK :								
	NATION AND ADDRESS OF THE PARTY		Ant enna						
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	₫B	₫B	dBuV/m	dBuV/m	₫B	
	2483.500	20.14	27.52	6.85	0.00	54.51	74.00	-19.49	Peak
	2483, 500	8.41	27.52	6.85	0.00	42.78	54.00	-11.22	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.





Site

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

: Tablet EUT Model : K1

Test mode : Wifi-g-H Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora REMARK :

BLAIL.	•	Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq		Factor					12 14 24 25	
	MHz	dBu∜	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 2	2483.500 2483.500								

#### Remark:

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

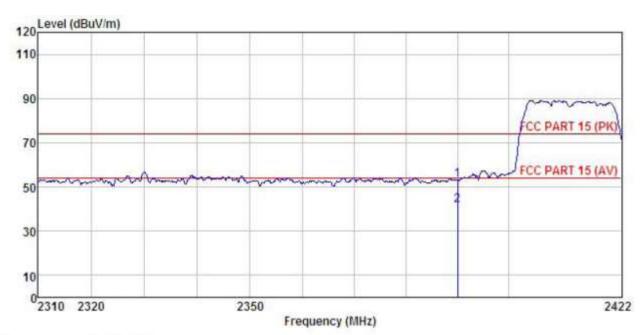




#### 802.11n (H20)

Test channel:Lowest

#### Horizontal:



Site

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

: Tablet EUT

Model : K1

Test mode : Wifi-n20-L Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora REMARK :

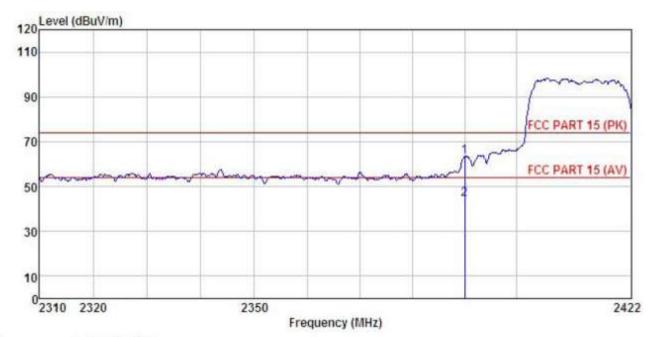
-	iui .	Read	Antenna	Cable	Presmo		Limit	Over	
	Freq		Factor						
	MHz	dBu∀	${\overline{dB}/\overline{m}}$	dB	dB	dBuV/m	dBuV/m	<u>dB</u>	
99	2390,000 2390,000							-21.02 -12.38	Peak Average

#### Remark:

1 2

- 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.





Site : 3m chamber

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

: Tablet : K1 EUT Model

Test mode : Wifi-n20-L Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55% Test Engineer: Zora

REMARK

		Read	Antenna	ntenna Cable			Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	—dBu∜	dB/m	<u>dB</u>	dB	dBuV/m	dBuV/m	dB	
1	2390.000								Peak

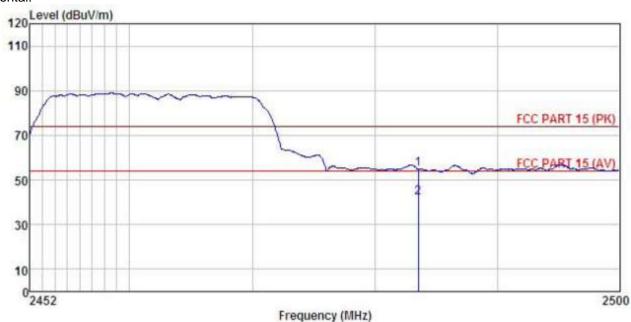
#### Remark:

- 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:



: 3m chamber

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

EUT : Tablet

Model : K1

: Wifi-n20-H Mode Test mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

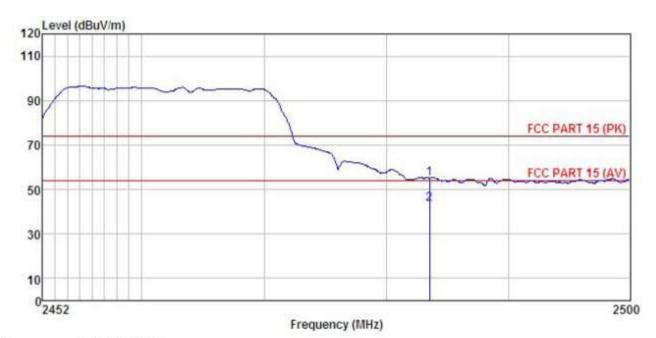
Test Engineer: Zora REMARK :

ALAJR.		Read.	Antenna	Cable	Preamp		Limit	Over	
	Freq		Factor						
	MHz	dBu₹	dB/m	dB	₫B	dBuV/m	dBuV/m	dB	
1	2483.500					54.95			
2	2483.500	7.88	27.52	6.85	0.00	42.25	54.00	-11.75	Average

#### Remark:

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





Site

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

EUT : Tablet Model : K1

Test mode : Wifi-n20-H Mode Power Rating : AC 120V/60Hz

Environment: Temp: 25.5°C Huni: 55%

Test Engineer: Zora REMARK :

W								
90 92 8200		ånt enna				Limit		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBu₹	dB/m	dB	₫B	dBuV/m	dBuV/m	dB	
2483,500 2483,500		The second secon	6.85 6.85		54.97 43.18			Peak 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. 2.

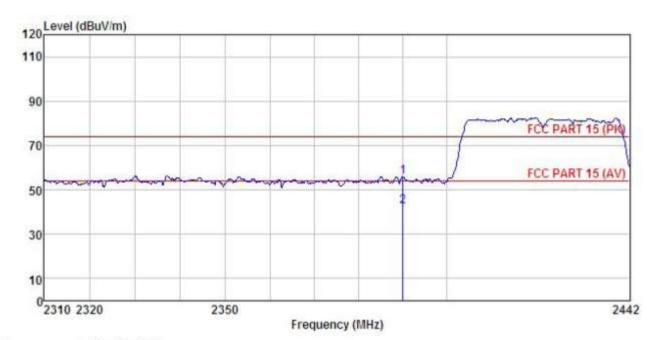




#### 802.11n (H40)

Test channel:Lowest

#### Horizontal:



Site : 3m chamber

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

EUI : Tablet

Model : K1

Test mode : Wifi-n40-L Mode Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora

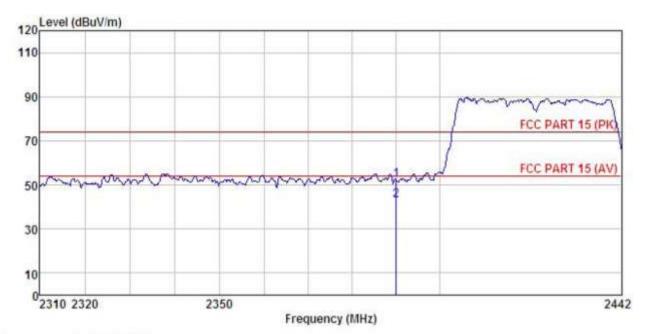
REMARK

		Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	₫B	dBuV/m	dBuV/m	dB	
1 2	2390.000 2390.000								

# 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.





Site : 3m chamber

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

EUT : Tablet

: K1 Model

Test mode : Wifi-n40-L Mode Power Rating: AC 120V/60Hz Environment: Temp:25.5°C Huni:55% Test Engineer: Zora

REMARK

ARI		Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq		Factor				77.77		
-	MHz	dBu∛	dB/m	₫B	₫B	dBuV/m	dBuV/m	dB	
	2390.000		27.58	6.63	0.00				Peak

# Remark:

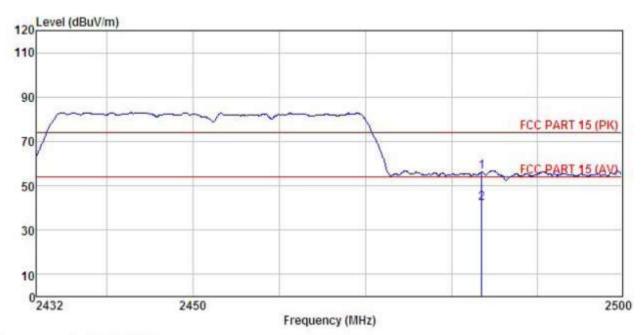
- Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor 1.
- The emission levels of other frequencies are very lower than the limit and not show in test report.





#### Test channel: Highest

#### Horizontal:



Site : 3m chamber

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

: Tablet EUT : K1 Model

Test mode : Wifi-n40-H Mode Power Rating : AC 120V/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: Zora

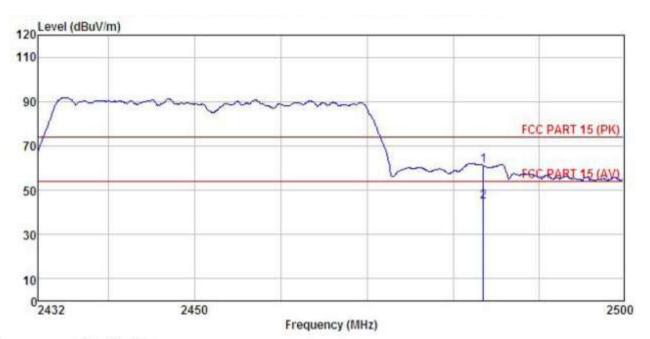
REMA

A.	RK :								
	Freq		Antenna Factor				Limit Line		
	MHz	—dBu₹	dB/m	dB	āB	$\overline{dBuV/m}$	dBu∀/m	<u>dB</u>	
	2483,500 2483,500		27.52 27.52		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		74.00 54.00		Peak 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.





Site

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

: Tablet EUT Model : K1

Test mode : Wifi-n40-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	Remark
MHz	₫₿uѶ	─dB/m	dB	₫B	dBuV/m	dBuV/m	₫₿	
2483, 500 2483, 500								

### Remark:

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



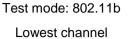
# 6.7 Spurious Emission

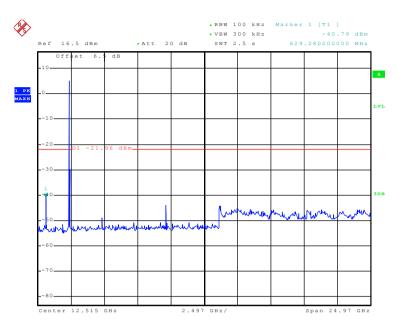
# 6.7.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2009 and KDB558074 section 11
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spreadspectrum 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.
Test setup:	
	Spectrum Analyzer
	Non-Conducted Table
	Ground Reference Plane
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:



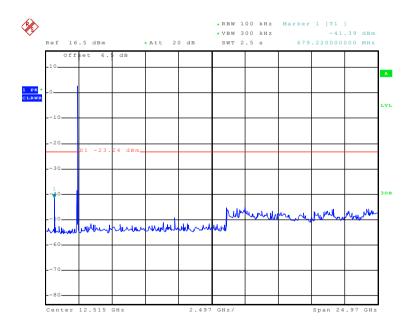




Date: 14.DEC.2015 08:37:46

#### 30MHz~25GHz

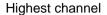
# Middle channel

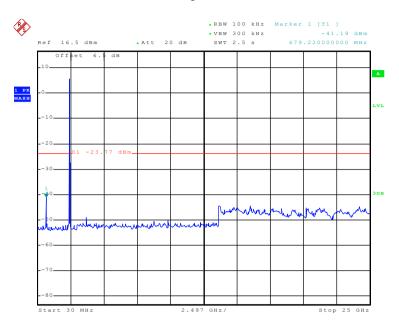


Date: 14.DEC.2015 08:38:54

30MHz~25GHz





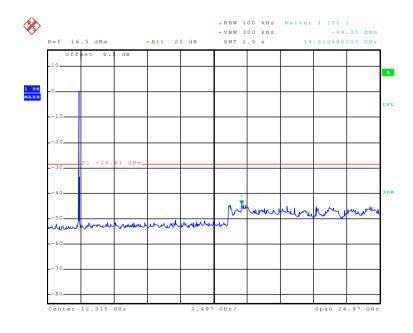


Date: 14.DEC.2015 08:37:00

30MHz~25GHz

Test mode: 802.11g

Lowest channel

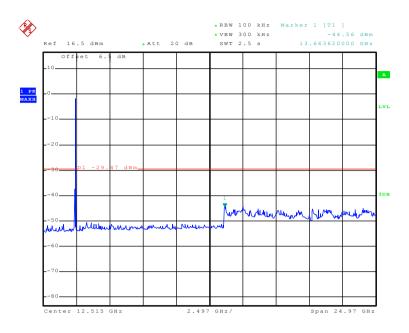


Date: 14.DEC.2015 08:39:40

30MHz~25GHz



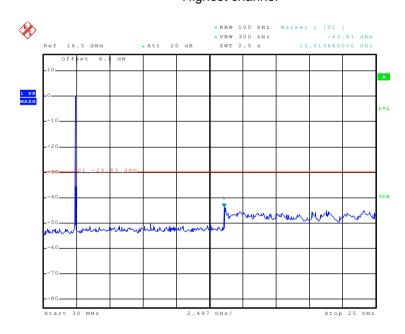
#### Middle channel



Date: 14.DEC.2015 08:40:31

# 30MHz~25GHz

# Highest channel

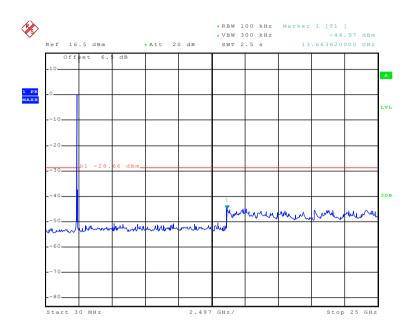


Date: 14.DEC.2015 08:41:24

30MHz~25GHz



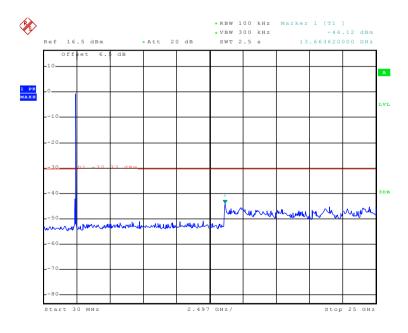
Test mode: 802.11n(H20) Lowest channel



Date: 14.DEC.2015 08:42:25

30MHz~25GHz

#### Middle channel

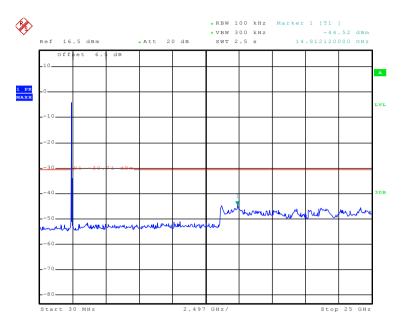


Date: 14.DEC.2015 08:43:13

30MHz~25GHz



# Highest channel

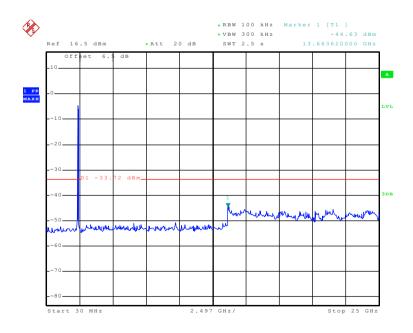


Date: 14.DEC.2015 08:44:29

30MHz~25GHz

Test mode: 802.11n(H40)

# Lowest channel

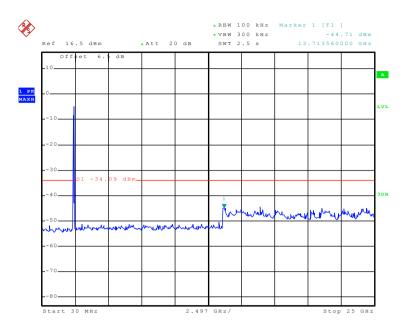


Date: 14.DEC.2015 08:45:26

30MHz~25GHz



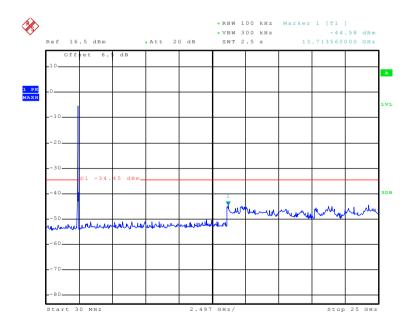
#### Middle channel



Date: 14.DEC.2015 08:46:27

# 30MHz~25GHz

# Highest channel



Date: 14.DEC.2015 08:47:23

30MHz~25GHz



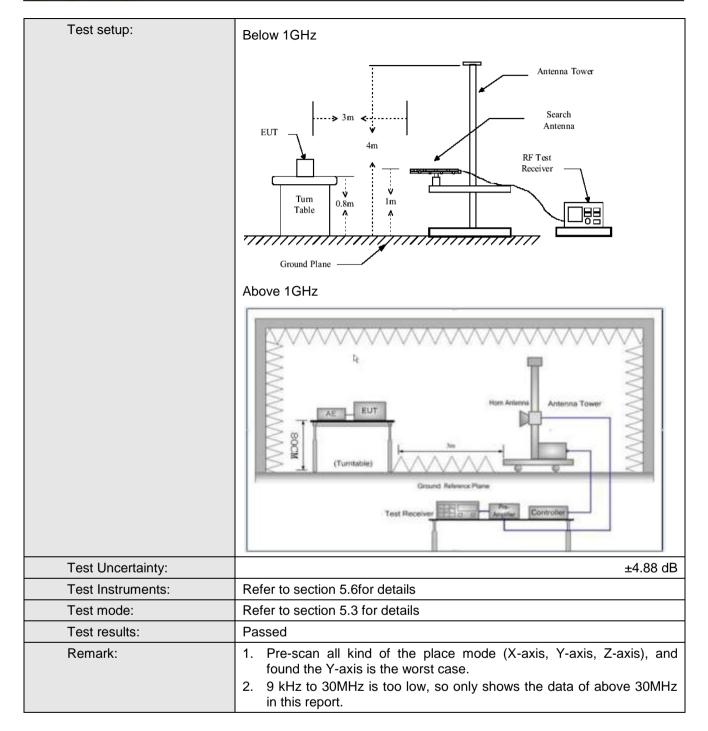


# 6.7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C	Section 15.20	9 and 15.205						
Test Method:	ANSI C63.10:2009 9kHz to 25GHz								
TestFrequencyRange:									
Test site:	Measurement Distance: 3m  Frequency Detector RBW VBW Remark								
Receiver setup:	Frequency Detector RBW VBW Remark  30MHz-1GHz Quasi-peak 120KHz 300KHz Quasi-peak Value								
·	30MHz-1GHz Quasi-peak 120KHz 300KHz Quasi-peak Value								
	Above 1GHz Peak 1MHz 3MHz Peak Value								
	Above 1GHz RMS 1MHz 3MHz Average Value								
Limit:	Freque	ncy	Limit (dBuV	/m @3m)	Remark				
	30MHz-88MHz 40.0 Quasi-peak Valu								
	88MHz-216MHz 43.5 Quasi-peak Value								
	216MHz-960MHz 46.0 Quasi-peak Value								
	960MHz-1GHz 54.0 Quasi-peak Value								
	Above 1GHz 54.0 Average Value								
			74.0		Peak Value e 0.8 meters above				
Test Procedure:	the ground todetermin  2. The EUT vantenna, vantenna, vantenna, vantenna, vanten in the ground Both horiz make the result of find the specified East of the limitspoof the EUT have 10dE	dat a 3 meter let the position was set 3 met whichwas mo ma height is was to determine ontal and verneasurement suspected emberthe antered the rotatable maximum reserver systems and width with sion level of ecified, then wouldbe reparagin wou	chamber. The n of the highesters away from unted on the to raried from once the maximur tical polarization. The Europe was turned from the ewas turned from the EUT in peatesting could borted. Otherwold bere-tested	table was rest radiation. In the interfect op of a variate meter to fund a value of the constant of the a value of the constant of the a value of the constant of the available of the constant of the constan	otated 360 degrees				





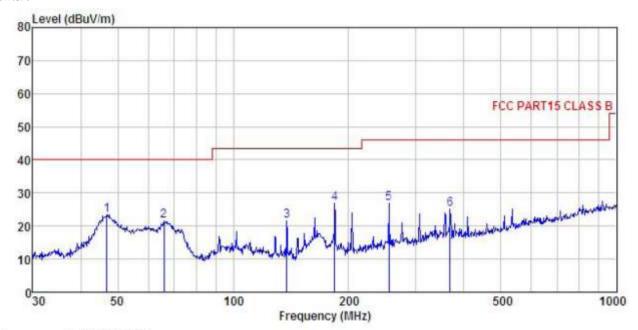






#### **Below 1GHz**

Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL : Tablet Condition

EUT Mode1 : K1 Test mode : Wifi Mode Power Rating : AC 120V/60Hz

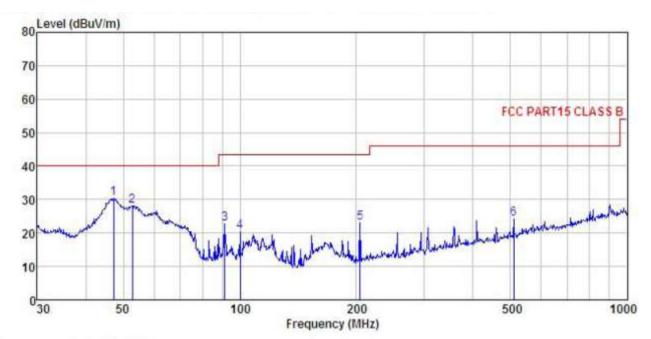
Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Zora REMARK

	Freq		Antenna Factor				Limit Line		
-	MHz	dBu∜	dB/m	₫B	₫B	dBuV/m	dBuV/m	d₿	**********
1	46.830	39.10	70.70.70.70.70.70	m 15 70 7 3 17 17 1		23. 27			
1 2 3 4 5	137.903	41,36	8.35	1.25	29.28		43.50	-21.82	QP
5			10.00 12.06		28. 94 28. 53	26. 73	43.50		7.0
6	368.112	37.22	14.49	2.01	28.64	25.08	46.00	-20.92	QP







Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL Condition

: Tablet EUT : K1 Model

: Wifi Mode Test mode Power Rating : AC 120V/60Hz

Environment : Temp:25.5°C Huni:55% Test Engineer: Zora REMARK :

Freq						Limit Line		Remark
MHz	dBu∛	$-\overline{dB/m}$	āB	<u>dB</u>	dBuV/m	dBuV/m	dB	
47.160	46.18	13.42	0.58	29.84	30.34	40.00	-9.66	QP
52.760	44.15	13.14	0.63	29.81	28.11	40.00	-11.89	QP
91.495	39.19	12.24	0.92	29.56	22.79	43.50	-20.71	QP
100.229	35.97	13.11	0.96	29.53	20.51	43.50	-22.99	QP
204.238	39.74	10.70	1.40	28.80	23.04	43.50	-20.46	QP
510.044	34.01	16.79	2.43	28.98	24.25	46.00	-21.75	QP
	MHz 47.160 52.760 91.495 100.229 204.238	Freq Level  MHz dBuV  47.160 46.18 52.760 44.15 91.495 39.19 100.229 35.97 204.238 39.74	Freq Level Factor  MHz dBuV dB/m  47.160 46.18 13.42 52.760 44.15 13.14 91.495 39.19 12.24 100.229 35.97 13.11 204.238 39.74 10.70	Freq Level Factor Loss  MHz dBuV dB/m dB  47.160 46.18 13.42 0.58 52.760 44.15 13.14 0.63 91.495 39.19 12.24 0.92 100.229 35.97 13.11 0.96 204.238 39.74 10.70 1.40	MHz         dBuV         dB/m         dB         dB           47.160         46.18         13.42         0.58         29.84           52.760         44.15         13.14         0.63         29.81           91.495         39.19         12.24         0.92         29.56           100.229         35.97         13.11         0.96         29.53           204.238         39.74         10.70         1.40         28.80	MHz dBuV dB/m dB dB dBuV/m 47.160 46.18 13.42 0.58 29.84 30.34 52.760 44.15 13.14 0.63 29.81 28.11 91.495 39.19 12.24 0.92 29.56 22.79 100.229 35.97 13.11 0.96 29.53 20.51 204.238 39.74 10.70 1.40 28.80 23.04	MHz         dBuV         dB/m         dB         dB         dB         dBuV/m         dBuV/m         dBuV/m           47.160         46.18         13.42         0.58         29.84         30.34         40.00           52.760         44.15         13.14         0.63         29.81         28.11         40.00           91.495         39.19         12.24         0.92         29.56         22.79         43.50           100.229         35.97         13.11         0.96         29.53         20.51         43.50           204.238         39.74         10.70         1.40         28.80         23.04         43.50	Freq Level Factor Loss Factor Level Line Limit  MHz dBuV dB/m dB dB dBuV/m dBuV/m dB  47.160 46.18 13.42 0.58 29.84 30.34 40.00 -9.66 52.760 44.15 13.14 0.63 29.81 28.11 40.00 -11.89 91.495 39.19 12.24 0.92 29.56 22.79 43.50 -20.71 100.229 35.97 13.11 0.96 29.53 20.51 43.50 -22.99 204.238 39.74 10.70 1.40 28.80 23.04 43.50 -20.46





#### **Above 1GHz**

Test mode: 80	02.11b		Test char	nnel: Lowest		Remark: Peak			
Frequency	Read	Antenna	Cable	Preamp	Level	Limit Line	Over	Dalas	
(MHz)	Level (dBuV)	Factor (dB/m)	Loss (dB)	Factor (dB)	(dBuV/m)	(dBuV/m)	Limit (dB)	Polar.	
4824.00	47.72	31.54	10.58	40.22	49.62	74.00	-24.38	Vertical	
4824.00	46.85	31.54	10.58	40.22	48.75	74.00	-25.25	Horizontal	
Test mode: 80	02.11b		Test char	nnel: Lowest		Remark: Ave	erage		
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	38.36	31.54	10.58	40.22	40.26	54.00	-13.74	Vertical	
4824.00	37.17	31.54	10.58	40.22	39.07	54.00	-14.93	Horizontal	

Test mode: 80	02.11b		Test char	nnel: 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	45.43	31.57	10.64	40.15	47.49	74.00	-26.51	Vertical
4874.00	47.70	31.57	10.64	40.15	49.76	74.00	-24.24	Horizontal
Test mode: 80	02.11b		Test char	nnel: Middle		Remark: Ave	rage	
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	36.25	31.57	10.64	40.15	38.31	54.00	-15.69	Vertical
4874.00	38.51	31.57	10.64	40.15	40.57	54.00	-13.43	Horizontal

Test mode: 80	02.11b		Test char	nnel: 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	46.98	31.61	10.70	40.08	49.21	74.00	-24.79	Vertical
4924.00	47.32	31.61	10.70	40.08	49.55	74.00	-24.45	Horizontal
Test mode: 80	02.11b		Test char	nnel: Highest		Remark: Ave	rage	
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	37.48	31.61	10.70	40.08	39.71	54.00	-14.29	Vertical
4924.00	38.10	31.61	10.70	40.08	40.33	54.00	-13.67	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.

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Test mode: 80	)2.11g		Test char	nel: 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	46.82	31.54	10.58	40.22	48.72	74.00	-25.28	Vertical
4824.00	46.04	31.54	10.58	40.22	47.94	74.00	-26.06	Horizontal
Test mode: 80	02.11g		Test char	nel: Lowest		Remark: Ave	rage	
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	37.41	31.54	10.58	40.22	39.31	54.00	-14.69	Vertical
4824.00	36.58	31.54	10.58	40.22	38.48	54.00	-15.52	Horizontal

Test mode: 80	02.11g		Test char	nel: 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	46.46	31.57	10.64	40.15	48.52	74.00	-25.48	Vertical	
4874.00	47.52	31.57	10.64	40.15	49.58	74.00	-24.42	Horizontal	
Test mode: 80	02.11g		Test channel: Middle			Remark: Ave	rage		
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	37.61	31.57	10.64	40.15	39.67	54.00	-14.33	Vertical	
4874.00	38.59	31.57	10.64	40.15	40.65	54.00	-13.35	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	47.60	31.61	10.70	40.08	49.83	74.00	-24.17	Vertical	
4924.00	47.21	31.61	10.70	40.08	49.44	74.00	-24.56	Horizontal	
Test mode: 80	02.11g		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	38.77	31.61	10.70	40.08	41.00	54.00	-13.00	Vertical	
4924.00	38.15	31.61	10.70	40.08	40.38	54.00	-13.62	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(H20)			Test channel: Lowest			Remark: Peak			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	LimitLine (dBuV/m)	Over Limit (dB)	Polar.	
4824.00	46.13	31.54	10.58	40.22	48.03	74.00	-25.97	Vertical	
4824.00	47.52	31.54	10.58	40.22	49.42	74.00	-24.58	Horizontal	
Test mode: 80	02.11n(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	37.41	31.54	10.58	40.22	39.31	54.00	-14.69	Vertical	
4824.00	37.98	31.54	10.58	40.22	39.88	54.00	-14.12	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	47.05	31.57	10.64	40.15	49.11	74.00	-24.89	Vertical	
4874.00	47.55	31.57	10.64	40.15	49.61	74.00	-24.39	Horizontal	
Test mode: 80	02.11n(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	38.46	31.57	10.64	40.15	40.52	54.00	-13.48	Vertical	
4874.00	38.80	31.57	10.64	40.15	40.86	54.00	-13.14	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	47.92	31.61	10.70	40.08	50.15	74.00	-23.85	Vertical	
4924.00	48.21	31.61	10.70	40.08	50.44	74.00	-23.56	Horizontal	
Test mode: 80	02.11n(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	38.44	31.61	10.70	40.08	40.67	54.00	-13.33	Vertical	
4924.00	39.01	31.61	10.70	40.08	41.24	54.00	-12.76	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	47.25	31.55	10.61	40.19	49.22	74.00	-24.78	Vertical	
4844.00	46.73	31.55	10.61	40.19	48.70	74.00	-25.30	Horizontal	
Test mode: 80	02.11n(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	37.59	31.55	10.61	40.19	39.56	54.00	-14.44	Vertical	
4844.00	37.97	31.55	10.61	40.19	39.94	54.00	-14.06	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	48.11	31.57	10.64	40.15	50.17	74.00	-23.83	Vertical	
4874.00	47.06	31.57	10.64	40.15	49.12	74.00	-24.88	Horizontal	
Test mode: 80	02.11n(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	38.44	31.57	10.64	40.15	40.50	54.00	-13.50	Vertical	
4874.00	38.52	31.57	10.64	40.15	40.58	54.00	-13.42	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	47.81	31.59	10.67	40.10	49.97	74.00	-24.03	Vertical	
4904.00	48.03	31.59	10.67	40.10	50.19	74.00	-23.81	Horizontal	
Test mode: 80	02.11n(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	37.12	31.59	10.67	40.10	39.28	54.00	-14.72	Vertical	
4904.00	38.66	31.59	10.67	40.10	40.82	54.00	-13.18	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.