

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCIS15050029703

FCC REPORT (WIFI)

Applicant: SENWA MEXICO,S.A.DE C.V

Av. Javier Barros Sierra 540, Torre I, Planta 5; COL. LOMAS

Address of Applicant: DE SANTA FE DELEGACION ALVARO OBREGON C.P.

01210 MEXICO, DISTRITO FEDERAL

Equipment Under Test (EUT)

Product Name: Smart Phone

Model No.: V705B

Trade mark: SENWA

FCC ID: 2AAA6-V705B

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

Date of sample receipt: 11 May, 2015

Date of Test: 12 May, to 27 May, 2015

Date of report issued: 28 May, 2015

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 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.

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^{*} In the configuration tested, the EUT complied with the standards specified above.





Version

Version No.	Date	Description
00	28 May, 2015	Original

Luna Gao Report Clerk Prepared by: Date: 28 May, 2015

Date: Reviewed by: 28 May, 2015

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:	SENWA MEXICO,S.A.DE C.V
Address of Applicant:	Av. Javier Barros Sierra 540, Torre I, Planta 5; COL. LOMAS DE SANTA FE DELEGACION ALVARO OBREGON C.P. 01210 MEXICO, DISTRITO FEDERAL
Manufacturer:	MEGAUN GROUP
Address of Manufacturer:	Room 315, HKUST SZ IER Building, No, 9 Yuexing 1 st RD, South Area, Hi-tech Park, Nanshan, Shenzhen, P.R.C

5.2 General Description of E.U.T.

Product Name:	Smart Phone
Model No.:	V705B
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20)
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:	2.6 dBi
AC adapter:	Input:100-240V AC,50/60Hz 0.15A Output:5V DC MAX 0.5A
Power supply:	Rechargeable Li-ion Battery DC3.7V-1200mAh





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							

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



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5.3 Test environment and mode

Operating Environment:			
Temperature: 24.0 °C			
Humidity:	54 % RH		
Atmospheric Pressure: 1010 mbar			
Test mode:			
Operation 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

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 802.11p, 6.5Mbps for 802.11n(H20). Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.



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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





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 Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	03-28-2015	03-28-2016
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	03-28-2015	03-28-2016
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
5	Amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2015	03-31-2016
6	Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2015	03-31-2016
7	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2015	03-31-2016
8	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2015	03-31-2016
9	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A
10	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A
11	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP	CCIS0023	03-28-2015	03-28-2016
12	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	03-28-2015	03-28-2016
13	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2015	03-31-2016
14	Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	03-28-2015	03-28-2016
15	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	04-08-2015	04-08-2016

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	11-10-2012	11-09-2015	
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 Part 15 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 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.

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 2.6 dBi.







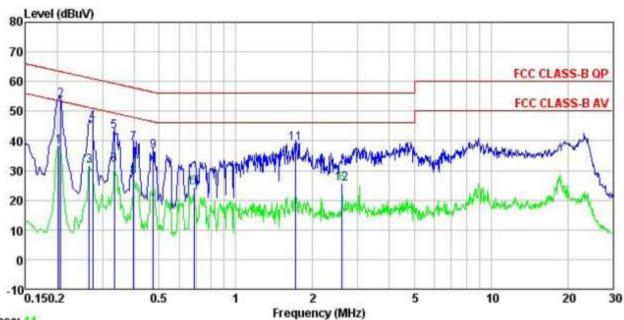
6.2 Conducted Emission

Test Requirement:	FCC Part 15 C Section 15.207	FCC Part 15 C Section 15.207			
Test Method:	ANSI C63.4: 2009				
Test Frequency Range:	150 kHz to 30 MHz				
Class / Severity:	Class B	Class B			
Receiver setup:	RBW=9 kHz, VBW=30 kHz				
Limit:		Limit (c	dBuV)		
	Frequency range (MHz)	Quasi-peak Average			
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	5-30	60	50		
Test procedure	* Decreases with the logarithm1. The E.U.T and simulators				
	 a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. 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). 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: 2003 on conducted measurement. 				
Test setup:	LISN 40cm	80cm LISN Filt	er — AC power		
	Remark E.U.T. Equipment Under Test LISN Line Impedence Stabilization Test table height=0.8m				
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	;			

Measurement Data



Neutral:



Trace: 11

Site

: CCIS Shielding Room : FCC CLASS-B QP LISN NEUTRAL : 297RF Condition

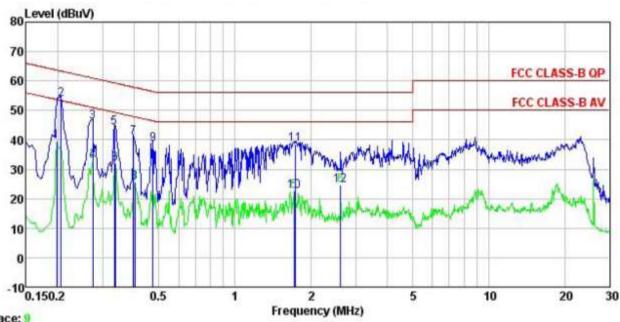
Pro EUT : Smart Phone : V705B Model Test Mode : WIFI mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: Carey

Remark

Nemaik	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu₹	dB	₫B	dBu₹	dBu₹	dB	
1	0.202	27.20	0.25	10.76	38.21			Average
2	0.206	42.76	0.25	10.76	53.77	63.36	-9.59	QP
3	0.266	20.50	0.26	10.75	31.51	51.25	-19.74	Average
4	0.274	35.23	0.26	10.74	46.23	60.98	-14.75	QP
5	0.334	32.12	0.26	10.73	43.11	59.35	-16.24	QP
6	0.334	20.82	0.26	10.73	31.81	49.35	-17.54	Average
7	0.398	28.22	0.25	10.72	39.19		-18.71	
1 2 3 4 5 6 7 8 9	0.398	17.03	0.25	10.72	28.00	47.90	-19.90	Average
9	0.474	25.30	0.28	10.75	36.33	56.45	-20.12	QP
10	0.686	13.18	0.19	10.77	24.14	46.00	-21.86	Average
11	1.716	28.01	0.27	10.94	39.22		-16.78	
12	2.608	14.42	0.29	10.93	25.64			Average



Line:



Trace: 9 Site

: CCIS Shielding Room : FCC CLASS-B QP LISN LINE : 297RF Condition

Pro EUT : Smart Phone : V705B Model : WIFI mode Test Mode Power Rating : AC 120V/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: Carey

Remark

emark		Read	LISN	Cable		Limit	Over	
	Freq		Factor	Loss	Level	Line		Remark
	MHz	dBu₹	<u>dB</u>	₫B	dBu₹	dBu₹	₫₿	
1	0.198	28.52	0.28	10.76	39.56	53.71	-14.15	Average
2	0.206	42.67	0.28	10.76	53.71	63.36	-9.65	QP
2 3 4 5 6 7 8 9	0.274	35.03	0.26	10.74	46.03	60.98	-14.95	QP
4	0.274	21.97	0.26	10.74	32.97	50.98	-18.01	Average
5	0.334	33.26	0.27	10.73	44.26		-15.09	
6	0.337	20.69	0.27	10.73	31.69	49.27	-17.58	Average
7	0.398	29.73	0.28	10.72	40.73	57.90	-17.17	QP
8	0.402	14.37	0.28	10.72	25.37	47.81	-22.44	Average
9	0.474	27.58	0.29	10.75	38.62	56.45	-17.83	QP
10	1.707	11.29	0.26	10.94	22.49	46.00	-23.51	Average
11	1.734	27.33	0.26	10.94	38.53	56.00	-17.47	QP
12	2.608	13.35	0.27	10.93	24.55	46.00	-21.45	Average

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



6.3 Conducted Output Power

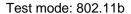
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)				
Test Method:	ANSI C63.4:2009 and KDB558074				
Limit:	30dBm				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.6 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				
Remark:	Test method refer to KDB558074 (DTS Measure Guidance) section 8.2, option 1.				

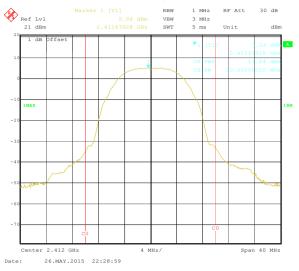
Measurement Data

Test CH	Maximum (Conducted Output Po	Line (4/ dD ms)	Decult		
1001 011	802.11b	802.11g	Limit(dBm)	Result		
Lowest	13.64	4.18	1.71			
Middle	13.33	4.44	1.83	30.00	Pass	
Highest	13.39	4.81	1.94			

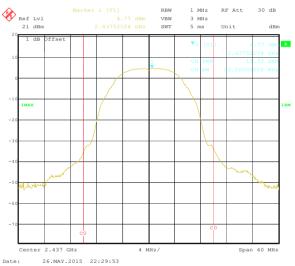
Test plot as follows:



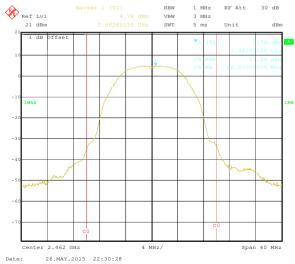




Lowest channel

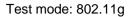


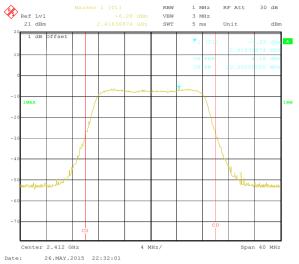
Middle channel



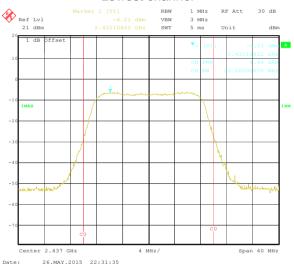
Highest channel



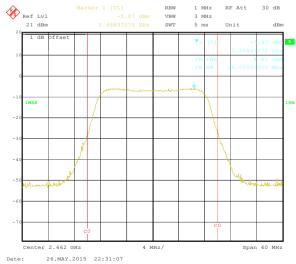




Lowest channel



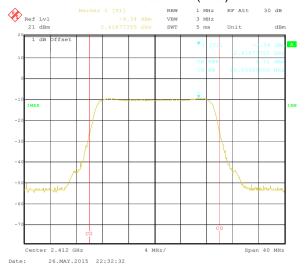
Middle channel



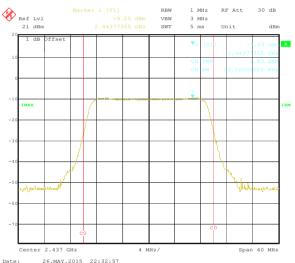
Highest channel



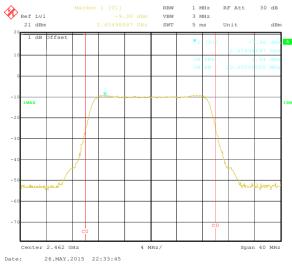
Test mode: 802.11n(H20)



Lowest channel



Middle channel



Highest channel



6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)				
Test Method:	ANSI C63.4:2003 and KDB558074				
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

T . 011	6dB	1	Result			
Test CH	802.11b	Limit(kHz)				
Lowest	10.26	16.51	17.64			
Middle	10.26	16.67	17.72	>500	Pass	
Highest	10.26	16.51	17.80			

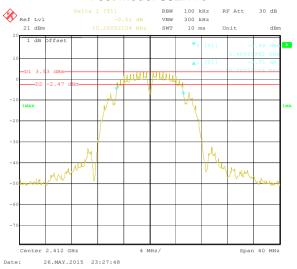
T O	99%					
Test CH	802.11b 802.11g 802.11n(H20)		Limit(kHz)	Result		
Lowest	12.83	16.35	17.64			
Middle	12.83 16.51		17.64	N/A	N/A	
Highest	12.67	16.35	17.64			

Test plot as follows:

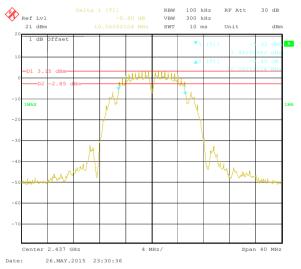


6dB EBW

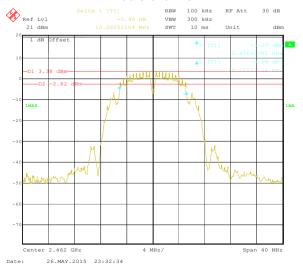
Test mode: 802.11b



Lowest channel

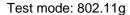


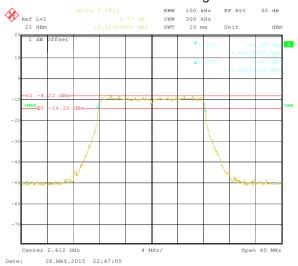
Middle channel



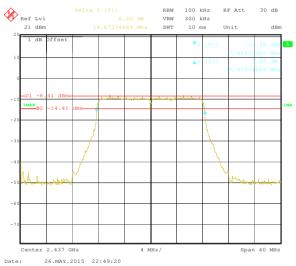
Highest channel



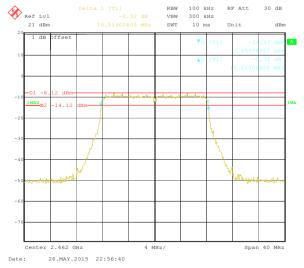




Lowest channel



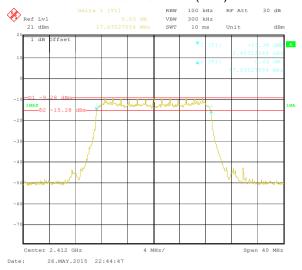
Middle channel



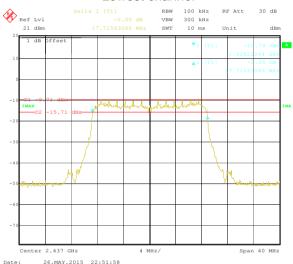
Highest channel



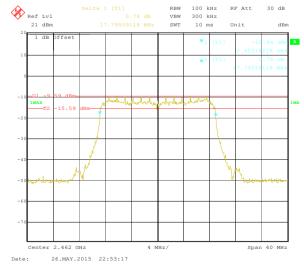
Test mode: 802.11n(H20)



Lowest channel



Middle channel

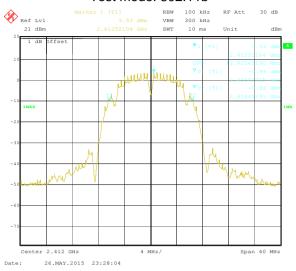


Highest channel

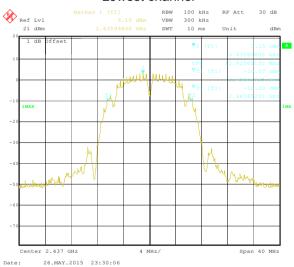


99% **OBW**

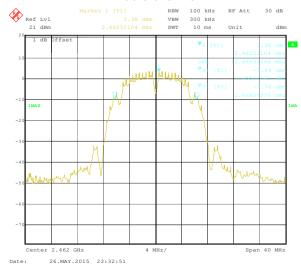
Test mode: 802.11b



Lowest channel

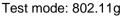


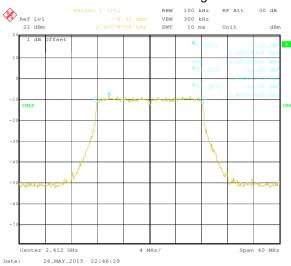
Middle channel



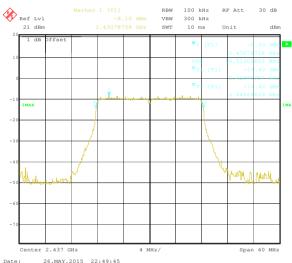
Highest channel



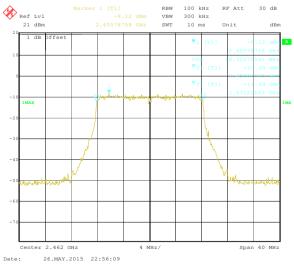




Lowest channel



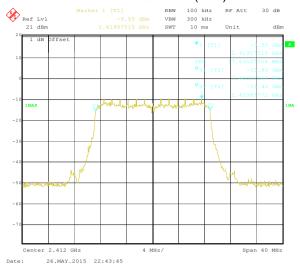
Middle channel



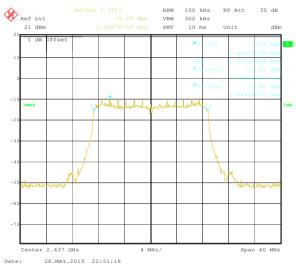
Highest channel



Test mode: 802.11n(H20)



Lowest channel



Middle channel



Highest channel



6.5 Power Spectral Density

Test Requirement:	FCC Part 15 C Section 15.247 (e)					
Test Method:	ANSI C63.4:2009 and KDB558074					
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					

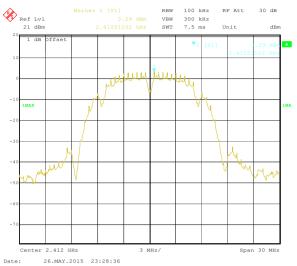
Measurement Data

T . O. I	Pow	ver Spectral Density	1: ://ID \	.		
Test CH	802.11b 802.11g 802.11n(H20)			Limit(dBm)	Result	
Lowest	3.29	-8.24	-9.63			
Middle	3.37	-8.09	-9.67	8.00	Pass	
Highest	3.40	-8.09	-9.64			

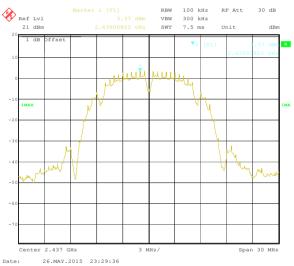
Test plot as follows:



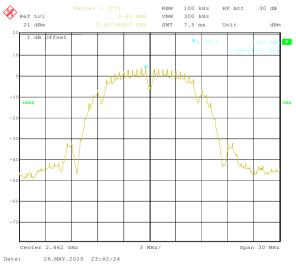




Lowest channel

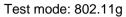


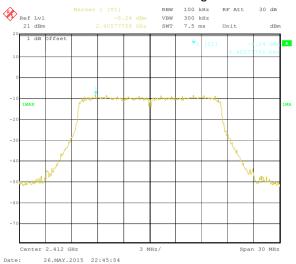
Middle channel



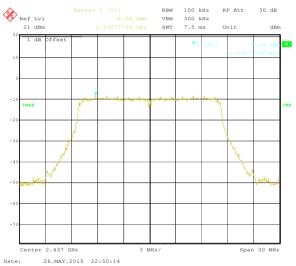
Highest channel



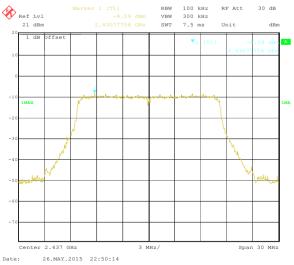




Lowest channel



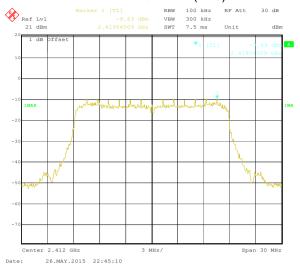
Middle channel



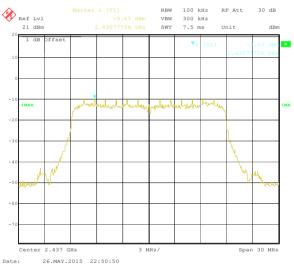
Highest channel



Test mode: 802.11n(H20)



Lowest channel



Middle channel



Highest channel





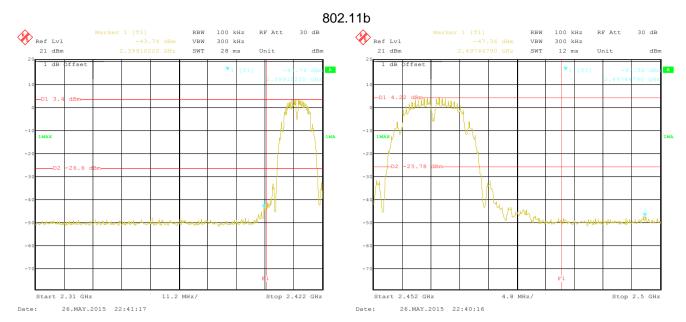
6.6 Band Edge

6.6.1 Conducted Emission Method

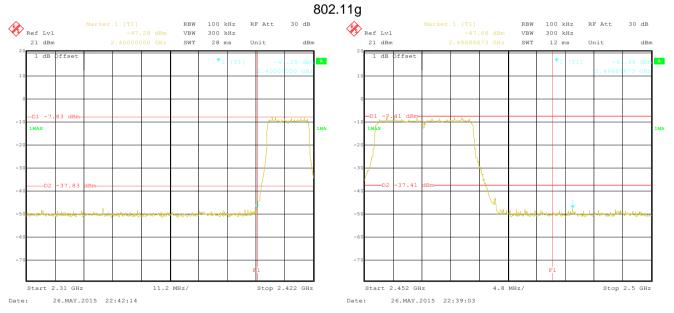
Test Requirement:	FCC Part 15 C Section 15.247 (d)				
Test Method:	ANSI C63.4:2009 and KDB558074				
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall 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:	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				

Test plot as follows:





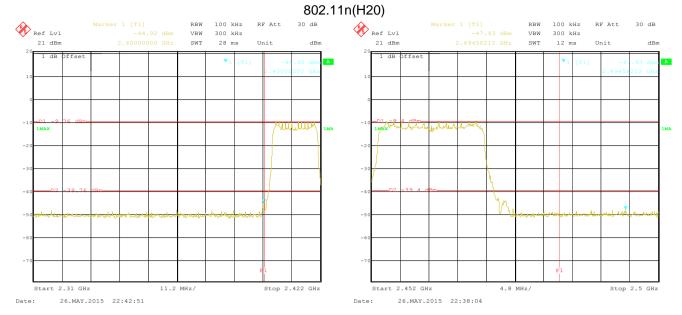
Lowest channel Highest channel



Lowest channel Highest channel







Lowest channel Highest channel





6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205							
Test Method:	ANSI C63.4: 2009							
Test Frequency Range:	2.3GHz to 2.5GHz							
Test site:	Measurement [
	Frequency	Detector	RBW	VBW	Remark			
Receiver setup:		Peak	1MHz	3MHz	Peak Value			
	Above 1GHz	Peak	1MHz	10Hz	Average Value			
Limit:	Freque		Limit (dBuV		Remark			
Ziiiii.		·	54.0		Average Value			
	Above 1	GHZ	74.0	0	Peak Value			
Test setup:	the ground to determine 2. The EUT wantenna, watower. 3. The antendathe ground Both horizon make the result of find the 5. The test-result of find the 5. If the emist the limit spoof the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to determine the secondary of the EUT have 10dE peak or avanteed to dete	I at a 3 meterne the position was set 3 meterne which was more than the ight is will be received the rota tab maximum receiver systems and width with sion level of the rota tab maximum receiver systems and width with sion level of the rota tab maximum receiver systems and width with sion level of the rota tab maximum receiver systems and width with sion level of the rotal tab maximum receiver systems and width with sion level of the rotal tab maximum receiver systems and with the rotal tab maximum receiver systems.	camber. The on of the higher ters away from ounted on the framed from one of the maximum tical polarization. The EU ona was turned ading. The Maximum Fithe EUT in peatesting could ported. Otherwood of the counter of	table was ast radiation. The interference of a variation of the analysis of the emitted of the interference of the	rence-receiving lable-height antenna our meters above the field strength. Intenna are set to anged to its worst from 1 meter to 4 rees to 360 degrees			
Test Instruments:	Refer to section 5.6 for details							
Test mode:	Refer to section 5.3 for details							
Test results:	Passed							

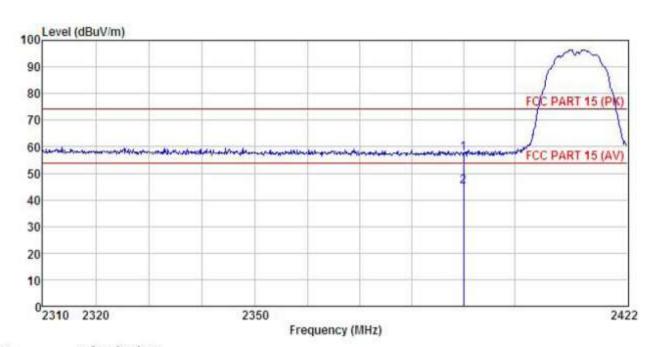




802.11b

Test channel: Lowest

Horizontal:



Site

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

Pro : 297RF

: Smart Phone EUT : V705B Model Test mode : B-L Mode Power Rating : AC120/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Carey REMARK

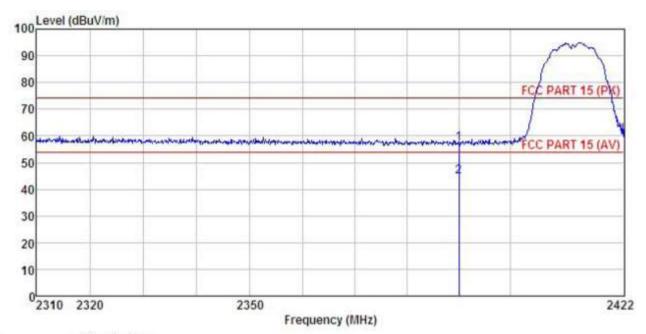
HU M.									
			Antenna						
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∜	dB/m	dB	dB	dBu√/m	$\overline{dBuV/m}$	<u>dB</u>	
1	2390.000	23.18	27.58	6.63	0.00	57.39	74.00	-16.61	Peak
2	2390, 000	10.64	27, 58	6, 63	0.00	44.85	54.00	-9.15	Average

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.



Vertical:



Site : 3m chamber

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

Pro : 297RF EUT : Smart Phone : V705B Model Test mode : B-L Mode Power Rating : AC120/60Hz

Environment : Temp: 25.5°C Huni:55%

Test Engineer: Carey REMARK :

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line		
MHz	dBu∀	dB/m	dB	dB	dBuV/m	dBuV/m	d₿	
2390.000								

Remark:

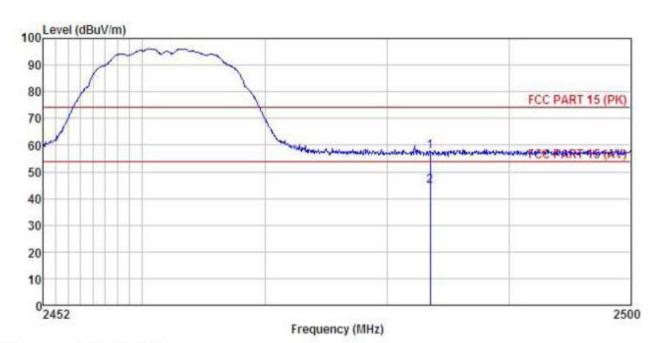
- Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Test channel: Highest

Horizontal:



Site

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

Pro : 297RF EUT : Smart Phone : V705B Model

Test mode : B-H Mode Power Rating : AC120/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Carey

REMARK

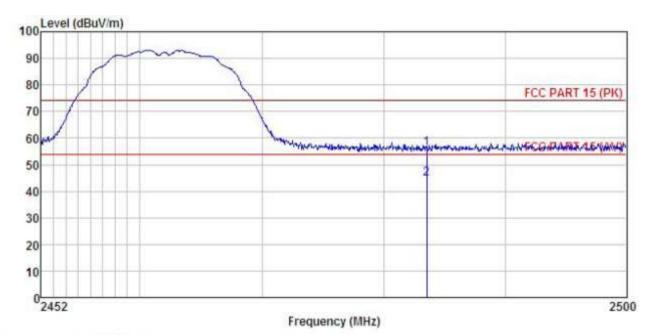
ck :	Read	Antenna	Cable	Preamn		Limit	0ver	
Freq		Factor					10.00 TO 10.00	Remark
MHz	dBu∜	dB/m	₫B	−−−dB	dBuV/m	dBuV/m	₫B	
2483.500 2483.500					57.58 44.81			Peak Average

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.



Vertical:



Site

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

: 297RF Pro : Smart Phone : V705B EUT Model Test mode : B-H Mode Power Rating : AC120/60Hz Environment : Temp:25.5°C

Huni:55%

Test Engineer: Carey

REMAR

IRK :	: Readântenna			Presmo		Limit	Over	
Freq								Remark
MHz	dBu∀	dB/m	₫B	dB	dBuV/m	dBuV/m	₫B	
2483.500 2483.500		27.52		0.00				Peak Average

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.

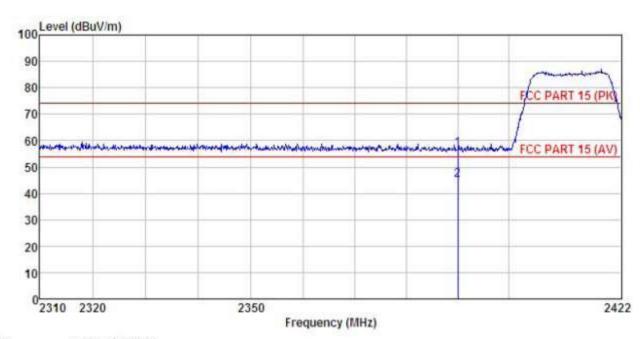




802.11g

Test channel: Lowest

Horizontal:



: 3m chamber Site

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

: 297RF Pro

EUT Smart Phone V705B Model : G-L Mode Test mode Power Rating : AC120/60Hz

Environment : Temp: 25.5°C Huni:55%

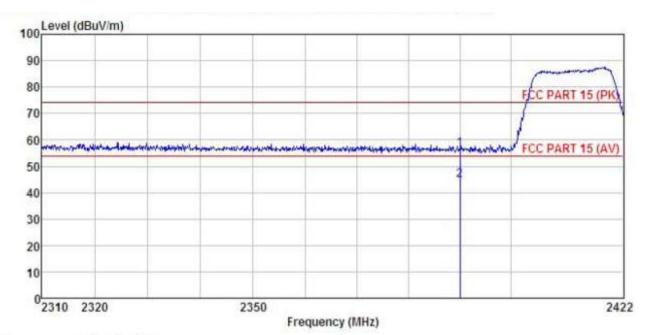
Test Engineer: Carey REMARK :

EMME	TV :								
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	
	MHz	dBu₹	dB/m	₫B	₫₿	dBuV/m	dBuV/m	dB	
1 2	2390.000 2390.000								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

: 297RF Pro

EUT : Smart Phone : V705B Model Test mode : G-L Mode Power Rating : AC120/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Carey

REMARK

	Road	Ant enna	Cable	Draamn		Limit	Ottor	
Freq		Factor						
MHz	dBu∛	dB/m	dB	<u>dB</u>	dBuV/m	dBuV/m	dB	
2390.000 2390.000								

Remark:

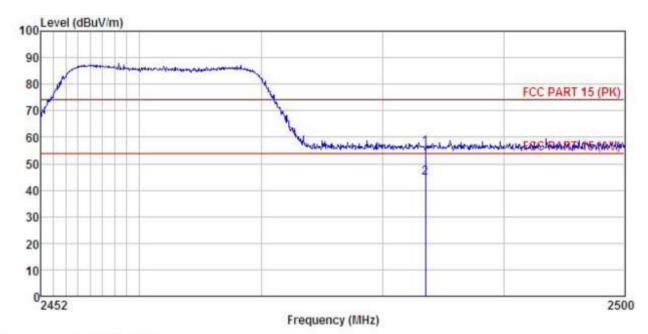
- Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.





Test channel: Highest

Horizontal:



Site

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

: 297RF Pro : Smart Phone : V705B EUT Model Test mode : G-H Mode Power Rating: AC120/60Hz

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

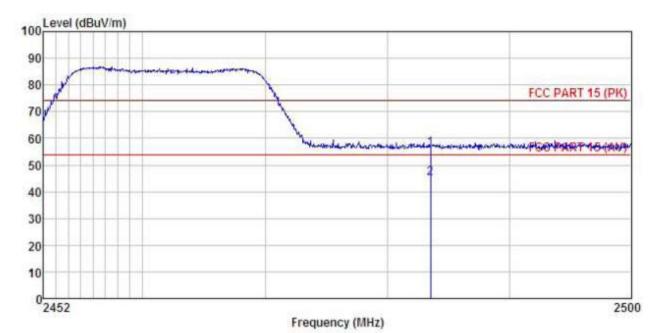
ш	: 4								
		Read	Antenna	Cable Preamp			Limit Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∀	dB/m	d₿	d₿	dBuV/m	dBuV/m	d₿	
	2483.500					56.24			
	2483.500	10.44	27.52	6.85	0.00	44.81	54.00	-9.19	Average

Remark:

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

: 297RF Pro EUT : Smart Phone Model : V705B Test mode : G-H Mode Power Rating : AC120/60Hz

Huni:55% Environment : Temp: 25.5°C

Test Engineer: Carey REMARK

u	CK :	Read	Antenna	Cable	Preamo		Limit	Over	
	Freq								Remark
	MHz	dBu∜	dB/m	dB	₫B	dBuV/m	dBuV/m	₫B	
	2483.500 2483.500								Peak Average

Remark:

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.

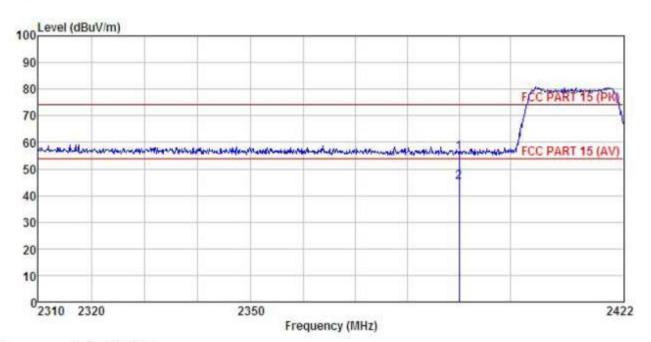




802.11n (H20)

Test channel: Lowest

Horizontal:



Site : 3m chamber

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

: 297RF Pro

EUT : Smart Phone : V705B Model : N20-L Mode Test mode Power Rating : AC120/60Hz

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Carey REMARK

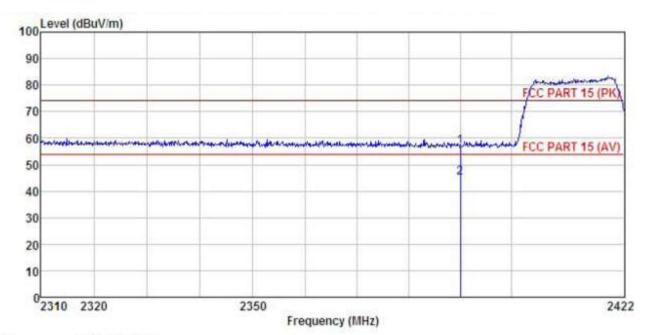
MAN		Read	Antenna	Cable	Preamp		Limit	Over	
	Freq		Factor						Remark
	MHz	dBu₹	-dB/m	dB	dB	dBu√/m	dBuV/m	₫B	****
1	2390,000			6.63				-17.97	Peak Average

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

Pro : 297RF

EUT : Smart Phone : V705B Model Test mode : N20-L Mode Power Rating : AC120/60Hz

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

Al	CK :	Read	Antenna	Cable	Preamp		Limit	Over	
	Freq		Factor				Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	<u>dB</u>	
	2390.000	E-100 CO. 100 CO.	27.58					-17.16 -9.12	Peak

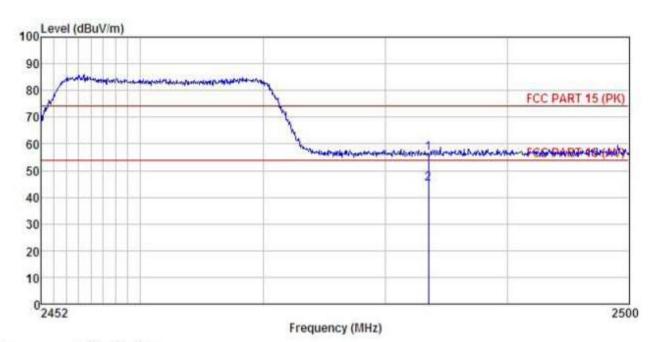
Remark:

- 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:



Site : 3m chamber

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

Pro : 297RF

EUT : Smart Phone
Model : V705B
Test mode : N20-H Mode

Power Rating : AC120/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: Carey

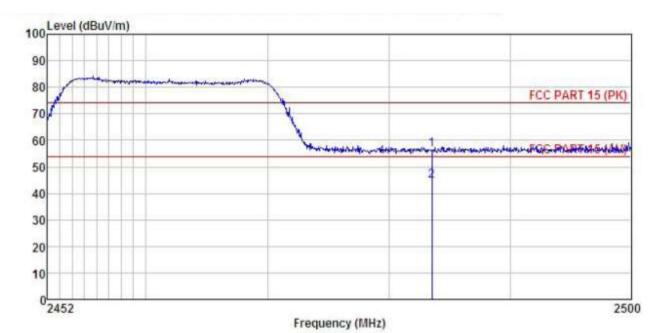
REMARK

THAN	TU .								
	Freq		Antenna Factor				Limit Line		Remark
	MHz	dBu∜	dB/m	d₿	₫B	dBuV/m	dBuV/m	−−−dB	
1 2	2483.500 2483.500								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 : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL : 297RF Condition

Pro

: Smart Phone EUT : V705B Model Test mode : N20-H Mode Power Rating : AC120/60Hz

Environment : Temp: 25.5°C Huni:55%

Test Engineer: Carey

REMARK

K :								
	ReadAnt enna							
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBu∜	dB/m	₫B	₫B	dBu√/m	dBuV/m	₫B	
2483.500								Peak

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.



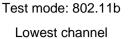
6.7 Spurious Emission

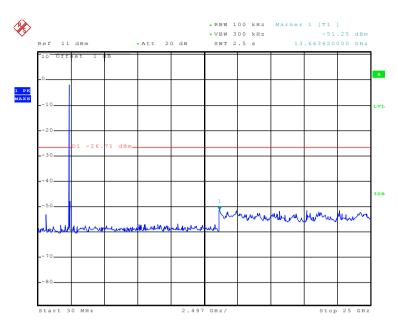
6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)							
Test Method:	ANSI C63.4:2009 and KDB558074							
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. Spectrum Analyzer E.U.T							
Test setup:								
	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:



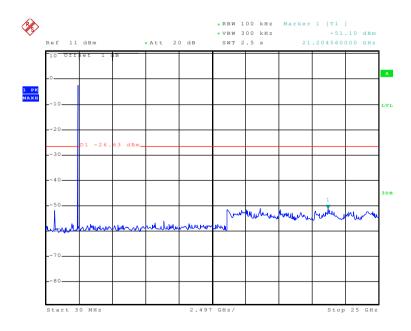




Date: 26.MAY.2015 23:12:42

30MHz~25GHz

Middle channel

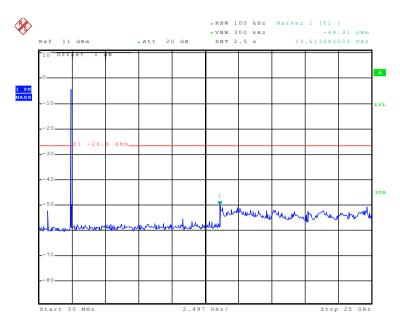


Date: 26.MAY.2015 23:13:11

30MHz~25GHz



Highest channel

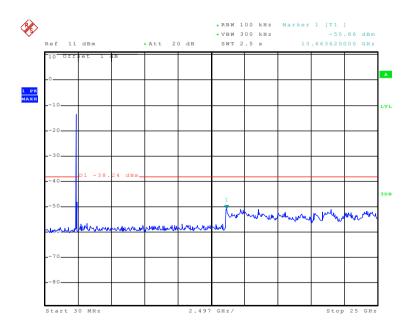


Date: 26.MAY.2015 23:13:34

30MHz~25GHz

Test mode: 802.11g

Lowest channel

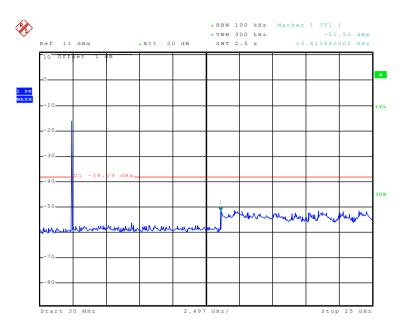


Date: 26.MAY.2015 23:16:15

30MHz~25GHz



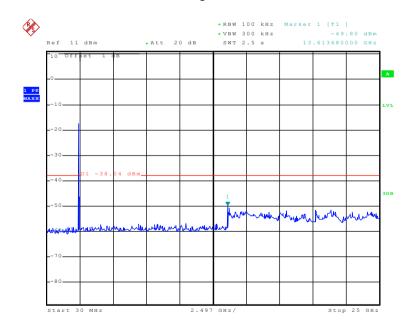
Middle channel



Date: 26.MAY.2015 23:15:45

30MHz~25GHz

Highest channel

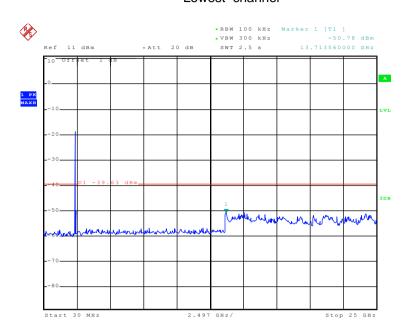


Date: 26.MAY.2015 23:15:21

30MHz~25GHz



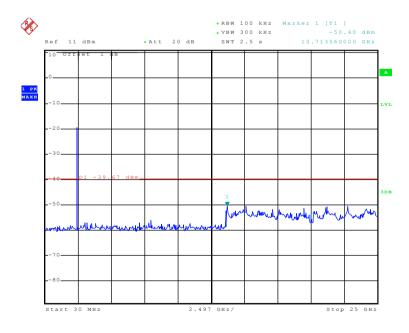
Test mode: 802.11n(H20) Lowest channel



Date: 26.MAY.2015 23:16:52

30MHz~25GHz

Middle channel

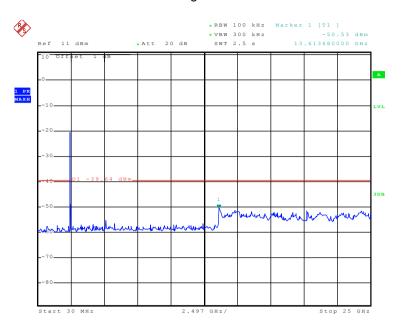


Date: 26.MAY.2015 23:17:13

30MHz~25GHz



Highest channel



Date: 26.MAY.2015 23:17:46

30MHz~25GHz



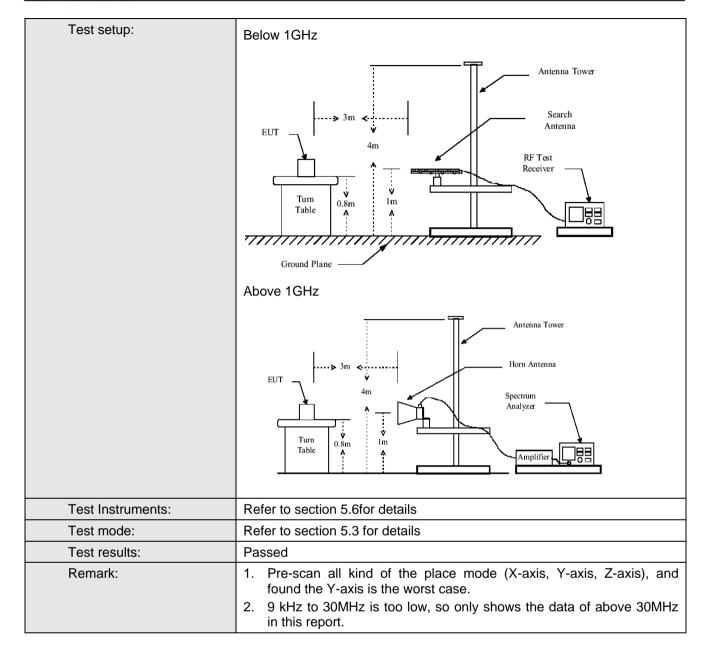


6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205							
Test Method:	ANSI C63.4:200)9						
Test Frequency Range:	9KHz to 25GHz							
Test site:	Measurement D	istance: 3m						
Receiver setup:								
·	Frequency Detector RBW VBW Remark							
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value			
	Above 1GHz	Peak	1MHz	3MHz	Peak Value			
	710000 10112	Peak	1MHz	10Hz	Average Value			
Limit:								
	Freque		Limit (dBuV		Remark			
	30MHz-8		40.0		Quasi-peak Value			
	88MHz-21		43.5		Quasi-peak Value			
	216MHz-9		46.0		Quasi-peak Value			
	960MHz-	TGHZ	54.0 54.0		Quasi-peak Value			
	Above 1	GHz	74.0		Average Value Peak Value			
Test Procedure:	the ground to determin 2. The EUT wantenna, wantenna, wantenna and the ground Both horizon make the make the make and to find the store in the ground to find the store in the	at a 3 meter of the position was set 3 meter which was mountained and vertice the position of	the top of a reamber. The too of the highests away from the don't he maximum cal polarizations was turned was turned was turned was turned was turned was turned was set to P Maximum He EUT in peasiting could borted. Otherwise re-tested	otating table able was ro st radiation. In the interfer op of a variate meter to for value of the ons of the art to heights from 0 degreak Detect old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0 degree old Mode. The was arrar to heights from 0	e 0.8 meters above tated 360 degrees rence-receiving able-height antenna our meters above te field strength. Intenna are set to anged to its worst from 1 meter to 4 ees to 360 degrees			





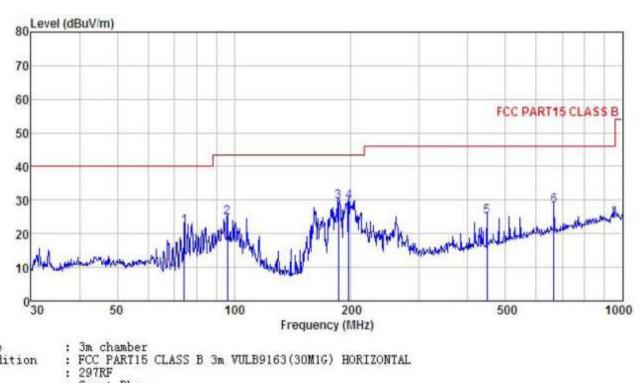






Below 1GHz

Horizontal:



Site

Condition

Pro Smart Phone EUT : V705B Model Test mode : WIFI Mode Power Rating : AC120/60Hz

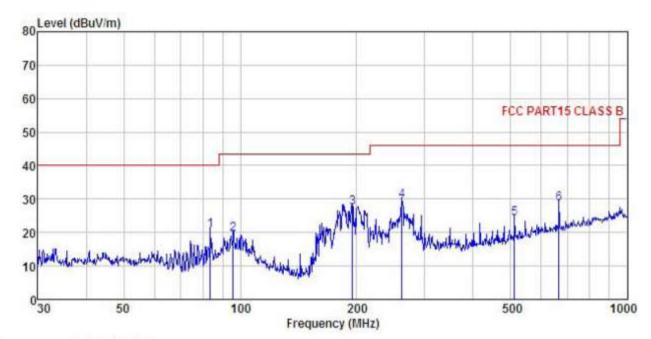
Environment : Temp: 25.5°C Huni:55%

Test Engineer: Carey REMARK :

AAAMA									
	Freq			a Cable Loss			Limit Line		
-	MHz	dBu√	dB/m	₫B	₫B	dBuV/m	dBuV/m	dB	
1	74.396	43.27	7.87	0.82	29.68	22.28	40.00	-17.72	QP
2	96.099	40.60	12.90	0.94	29.55	24.89	43.50	-18.61	QP
3	185.788	46.97	10.16	1.36	28.93	29.56	43.50	-13.94	QP
4	197.200	46.57	10.57	1.38	28.85	29.67	43.50	-13.83	QP
5	447.982	36.12	15.57	2.25	28.87	25.07	46.00	-20.93	QP
6	665.804	35.61	18.69	2.83	28.74	28.39	46.00	-17.61	QP







Site

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

297RF Pro EUT Smart Phone Model : V705B

Test mode : WIFI Mode Power Rating : AC120/60Hz

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

RE

EMARK	:								
	Freq		Antenna Factor				Limit Line	Over Limit	
-	MHz	dBu∜	dB/m	₫₿	dB	dBuV/m	dBuV/m	₫₿	
1	83.816	39.42	9.87	0.87	29.61	20.55	40.00	-19.45	QP
2	95.762	35.28	12.90	0.93	29.55	19.56	43.50	-23.94	QP
2	195.137	44.29	10.57	1.37	28.86	27.37	43.50	-16.13	QP
4	261.975	44.15	12.13	1.66	28.52	29.42	46.00	-16.58	QP
5	511.835	34.00	16.84	2.43	28.99	24.28	46.00	-21.72	QP
6	665.804	35.77	18.69	2.83	28.74	28.55	46.00	-17.45	QP





Above 1GHz

Test mode: 80	02.11b		Test char	nnel: 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	48.94	31.53	8.90	40.24	49.13	74.00	-24.87	Vertical	
4824.00	49.68	31.53	8.90	40.24	49.87	74.00	-24.13	Horizontal	
Test mode: 80	02.11b		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	40.82	31.53	8.90	40.24	41.01	54.00	-12.99	Vertical	
4824.00	46.52	31.53	8.90	40.24	46.71	54.00	-7.29	Horizontal	

Test mode: 8	02.11b		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	45.25	31.58	8.98	40.15	45.66	74.00	-28.34	Vertical	
4874.00	44.27	31.58	8.98	40.15	44.68	74.00	-29.32	Horizontal	
Test mode: 8	02.11b		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	36.88	31.58	8.98	40.15	37.29	54.00	-16.71	Vertical	
4874.00	40.35	31.58	8.98	40.15	40.76	54.00	-13.24	Horizontal	

Test mode: 80	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	48.89	31.69	9.08	40.03	49.63	74.00	-24.37	Vertical	
4924.00	51.75	31.69	9.08	40.03	52.49	74.00	-21.51	Horizontal	
Test mode: 80	02.11b		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	44.16	31.69	9.08	40.03	44.90	54.00	-9.10	Vertical	
4924.00	48.21	31.69	9.08	40.03	48.95	54.00	-5.05	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: 80	02.11g		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	44.17	31.53	8.90	40.24	44.36	74.00	-29.64	Vertical
4824.00	44.42	31.53	8.90	40.24	44.61	74.00	-29.39	Horizontal
Test mode: 80	02.11g		Test channel: 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	39.99	31.53	8.90	40.24	40.18	54.00	-13.82	Vertical
4824.00	38.55	31.53	8.90	40.24	38.74	54.00	-15.26	Horizontal

Test mode: 80	02.11g		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	43.78	31.58	8.98	40.15	44.19	74.00	-29.81	Vertical	
4874.00	45.27	31.58	8.98	40.15	45.68	74.00	-28.32	Horizontal	
Test mode: 80	02.11g		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	37.95	31.58	8.98	40.15	38.36	54.00	-15.64	Vertical	
4874.00	40.19	31.58	8.98	40.15	40.60	54.00	-13.40	Horizontal	

Test mode: 8	02.11g		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	44.10	31.69	9.08	40.03	44.84	74.00	-29.16	Vertical	
4924.00	44.16	31.69	9.08	40.03	44.90	74.00	-29.10	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	39.14	31.69	9.08	40.03	39.88	54.00	-14.12	Vertical	
4924.00	39.53	31.69	9.08	40.03	40.27	54.00	-13.73	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: 80	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	43.68	31.53	8.90	40.24	43.87	74.00	-30.13	Vertical	
4824.00	43.82	31.53	8.90	40.24	44.01	74.00	-29.99	Horizontal	
Test mode: 80	02.11n(H20)		Test char	inel: 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	36.57	31.53	8.90	40.24	36.76	54.00	-17.24	Vertical	
4824.00	37.53	31.53	8.90	40.24	37.72	54.00	-16.28	Horizontal	

Test mode: 8	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	42.61	31.58	8.98	40.15	43.02	74.00	-30.98	Vertical	
4874.00	42.95	31.58	8.98	40.15	43.36	74.00	-30.64	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	35.66	31.58	8.98	40.15	36.07	54.00	-17.93	Vertical	
4874.00	36.45	31.58	8.98	40.15	36.86	54.00	-17.14	Horizontal	

Test mode: 80	02.11n(H20)		Test char	nel: 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	44.36	31.69	9.08	40.03	45.10	74.00	-28.90	Vertical	
4924.00	44.00	31.69	9.08	40.03	44.74	74.00	-29.26	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	37.15	31.69	9.08	40.03	37.89	54.00	-16.11	Vertical	
4924.00	36.83	31.69	9.08	40.03	37.57	54.00	-16.43	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.