

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCIS14070052103

FCC REPORT (WIFI)

Applicant: HI-SKY INTERNATIONAL S.A.S

Address of Applicant: Via 40 NO.54-58 Oficina 4 Parque Industrial La Maria,

Barranquilla, Colombia

Equipment Under Test (EUT)

Product Name: Smart Phone

Model No.: MIGHTY

Trade mark: Hi Sky

FCC ID: 2AAIWMIGHTY

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

Date of sample receipt: 03 Jul., 2014

Date of Test: 03 Jul., to 29 Jul., 2014

Date of report issued: 29 Jul., 2014

Test Result: PASS *

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

Authorized Signature:



Bruce Zhang Laboratory Manager

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

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

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2 Version

Version No.	Date	Description
00	29 Jul., 2014	Original

Prepared by: Date: 29 Jul., 2014

Report Clerk

Reviewed by: Date: 29 Jul., 2014

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:	HI-SKY INTERNATIONAL S.A.S	
Address of Applicant:	Via 40 NO.54-58 Oficina 4 Parque Industrial La Maria, Barranquilla, Colombia	
Manufacturer :	Shenzhen Kleadtone Technology Co., Limited	
Address of Manufacturer:	Room B201,Garden City Cyber Port,NO.1079 Nanhai Road Nanshan District Shenzhen,China	

5.2 General Description of E.U.T.

	,
Product Name:	Smart Phone
Model No.:	MIGHTY
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:	-4.5 dBi
AC adapter:	MODEL:MIGHTY Input: AC 100-240V 50/60Hz 0.15A Output: DC 5V, 1000mA
Power supply:	Rechargeable Li-ion Battery DC3.7V-1900mAh



Operation Frequency each of channel For 802.11b/g/n(H20)								
Channel Frequency Channel Frequency Channel Frequency Channel Frequency								
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz	
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz	
3	2422MHz	6	2437MHz	9	2452MHz			

Operation Frequency each of channel For 802.11n(H40)								
Channel Frequency Channel Frequency Channel Frequency Channel Frequency								
		4	2427MHz	7	2442MHz			
		5	2432MHz	8	2447MHz			
3	2422MHz	6	2437MHz	9	2452MHz			

Note:

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

802.11b/802.11g/802.11n (H20)

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

802.11n (H40)

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



5.3 Test environment and mode

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 802.11p, 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



5.6 Test Instruments list

Radia	ated 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	July 09 2014	July 08 2015
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	Jun., 25 2014	Jun., 24 2015
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	Jun., 25 2014	Jun., 24 2015
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
5	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2014	Mar. 31 2015
6	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2014	Mar. 31 2015
7	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2014	Mar. 31 2015
8	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2014	Mar. 31 2015
9	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2014	Mar. 31 2015
10	Amplifier(10kHz- 1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2014	Mar. 31 2015
11	Amplifier(1GHz- 18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	July 09 2014	July 08 2015
12	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2014	Mar. 31 2015
13	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2014	Mar. 29 2015
14	Printer	HP	HP LaserJet P1007	N/A	N/A	N/A
15	Positioning Controller	UC	UC3000	CCIS0015	N/A	N/A
16	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP	CCIS0023	Jun., 25 2014	Jun., 24 2015
17	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	Apr 01 2014	Mar. 31 2015
18	Loop antenna	Laplace instrument	RF300	EMC0701	Aug. 12 2013	Aug. 11 2014
19	Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	Jun., 25 2014	Jun., 24 2015
20	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	Jun., 25 2014	Jun., 24 2015

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	July 09 2014	July 08 2015	
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	Jun., 25 2014	Jun., 24 2015	
3	LISN	CHASE	MN2050D	CCIS0074	Apr 01 2014	Mar. 31 2015	
4	Coaxial Cable	CCIS	N/A	CCIS0086	Apr. 01 2014	Mar. 31 2015	
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 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 antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is -4.5 dBi.





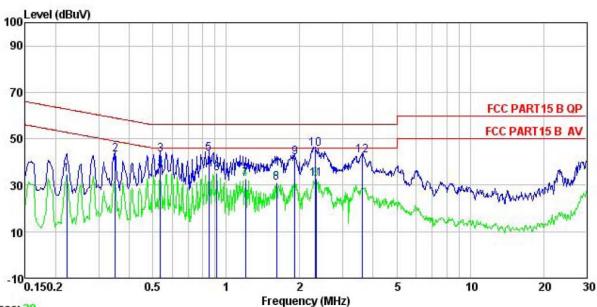
6.2 Conducted Emission

Test Requirement:	FCC Part15 C Section 15.207				
Test Method:	ANSI C63.4: 2003				
Test Frequency Range:	150 kHz to 30 MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9 kHz, VBW=30 kHz				
Limit:	F(1411)	Limit (c	BuV)		
	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 logarithm				
	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment. 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		er — AC power		
	Refer to section 5.6 for details				
Test Instruments:	Refer to section 5.6 for details				
Test Instruments: Test mode:	Refer to section 5.6 for details Refer to section 5.3 for details				

Measurement Data



Neutral:



Trace: 29

Site

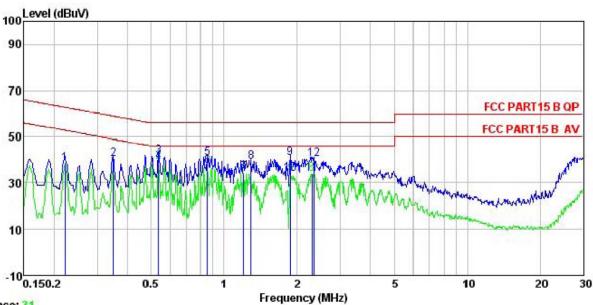
: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

Job No. : 521RF : Smartphone : MIGHTY EUT Model Test Mode : WIFI Mode
Power Rating : AC120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: Carey

	Freq	Read Level	LISN Factor		Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	<u>dB</u>		dBu∀	dBu∇	<u>dB</u>	
1	0.222	23.82	0.25	10.75	34.82	52.74	-17.92	Average
2	0.350	32.27	0.25	10.73	43.25	58.96	-15.71	QP
3	0.538	32.16	0.27	10.76	43.19	56.00	-12.81	QP
4	0.538	25.07	0.27	10.76	36.10	46.00	-9.90	Average
1 2 3 4 5 6 7 8 9	0.848	32.68	0.20	10.82	43.70	56.00	-12.30	QP
6	0.914	24.18	0.21	10.84	35.23	46.00	-10.77	Average
7	1.197	21.35	0.24	10.89	32.48	46.00	-13.52	Average
8	1.610	19.70	0.27	10.93	30.90	46.00	-15.10	Average
9	1.908	30.89	0.29	10.95	42.13	56.00	-13.87	QP
10	2.321	34.19	0.29	10.94	45.42	56.00	-10.58	QP
11	2.334	21.19	0.29	10.94	32.42	46.00	-13.58	Average
12	3.623	31.60	0.29	10.90	42.79	56.00	-13.21	QP



Line:



Trace: 31

: CCIS Shielding Room : FCC PART15 B QP LISN LINE : 521RF Site Condition

Job No. : Smartphone : MIGHTY EUT Model Test Mode : WIFI Mode Power Rating : AC120V/60Hz

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

.050	Freq	Read	LISN Factor		Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	₫B	₫B	dBu₹	dBu∜	₫B	
1	0.222	27. 25	0.27	10.75	38.27			Average
2	0.350	29.46	0.27	10.73	40.46	58.96	-18.50	QP
3	0.538	30.56	0.28	10.76	41.60	56.00	-14.40	QP
2 3 4 5	0.538	27.98	0.28	10.76	39.02	46.00	-6.98	Average
	0.853	29.67	0.24	10.83	40.74	56.00	-15.26	QP
6	0.853	26.05	0.24	10.83	37.12	46.00	-8.88	Average
7	1.203	23.02	0.25	10.89	34.16	46.00	-11.84	Average
6 7 8 9	1.296	27.96	0.25	10.90	39.11	56.00	-16.89	QP
9	1.868	29.56	0.26	10.95	40.77	56.00	-15.23	QP
10	1.878	22.56	0.26	10.95	33.77	46.00	-12.23	Average
11	2, 297	22.69	0.26	10.95	33.90	46.00	-12.10	Average
12	2.334	29.14	0.26	10.94	40.34		-15.66	

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

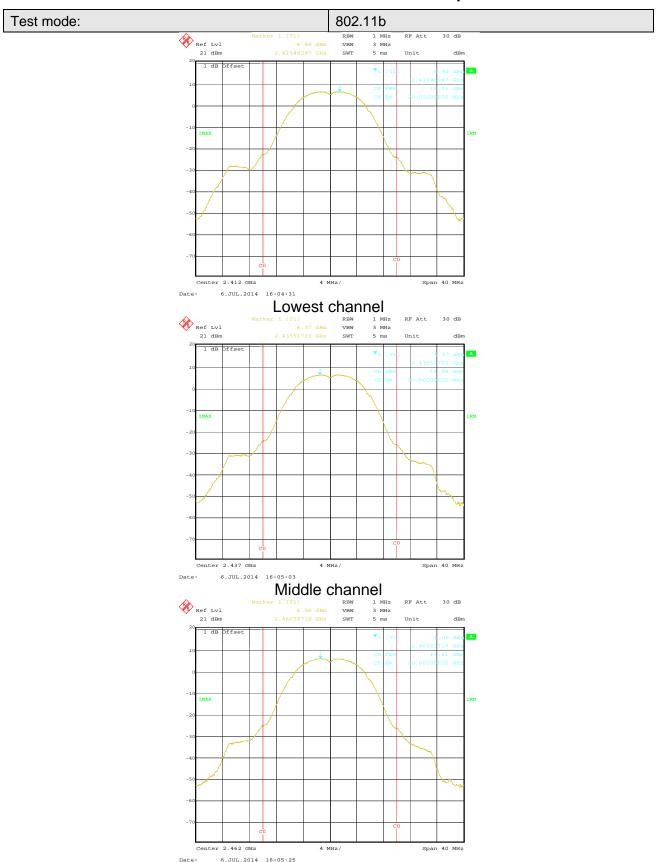
Test Requirement:	FCC Part15 C Section 15.247 (b)(3)		
Test Method:	ANSI C63.4:2003 and KDB558074		
Limit:	30dBm		
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane		
Test Instruments:	Refer to section 5.6 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		
Remark:	Test method refer to KDB558074 (DTS Measure Guidance) section 8.2, option 1.		

Measurement Data

T (O) I	Max	kimum Conduct	1.1 - 24/ ID \	D !!		
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBm)	Result
Lowest	15.11	10.48	9.45	8.94		
Middle	14.98	9.96	8.94	8.88	30.00	Pass
Highest	14.61	9.13	8.16	8.38		

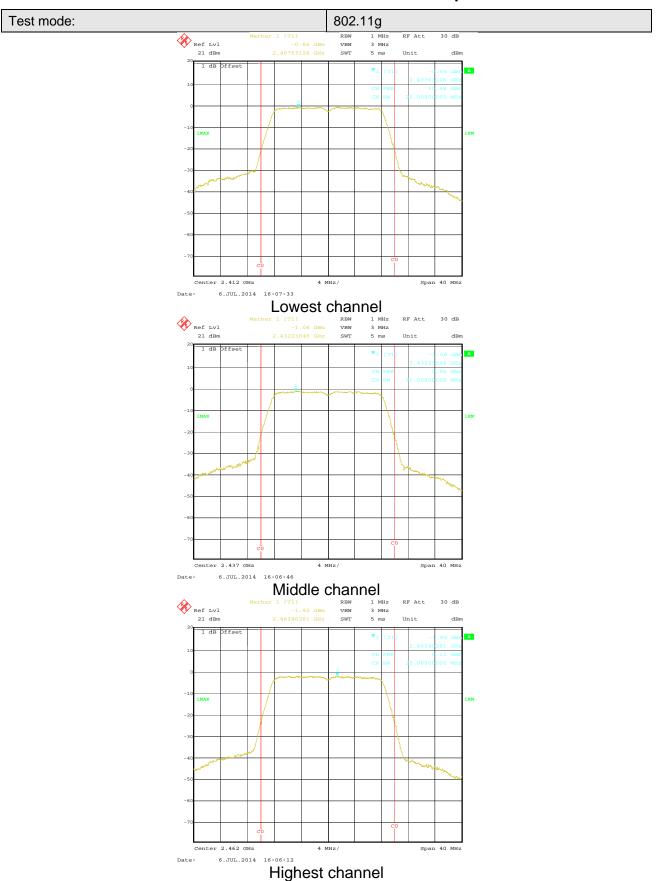
Test plot as follows:



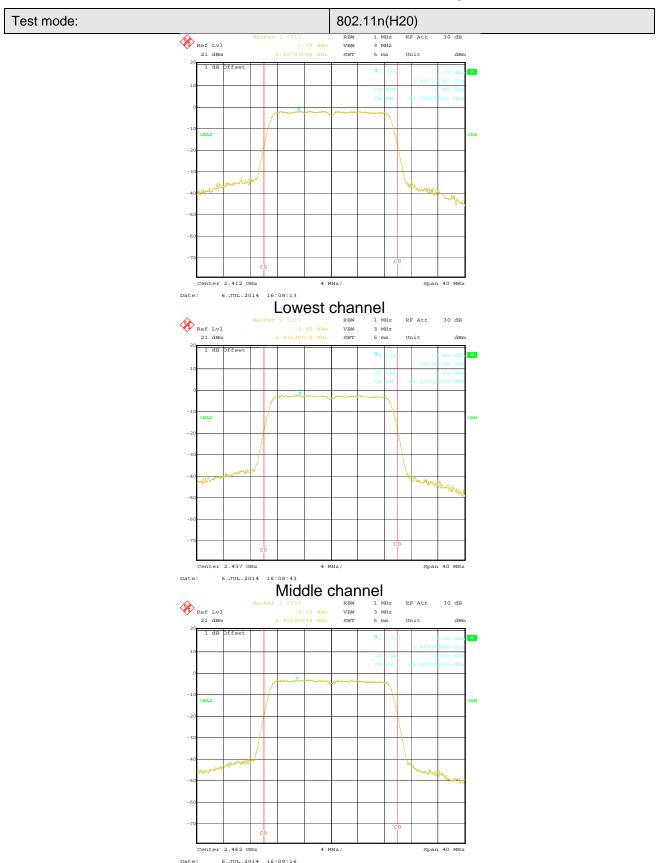


Highest channel



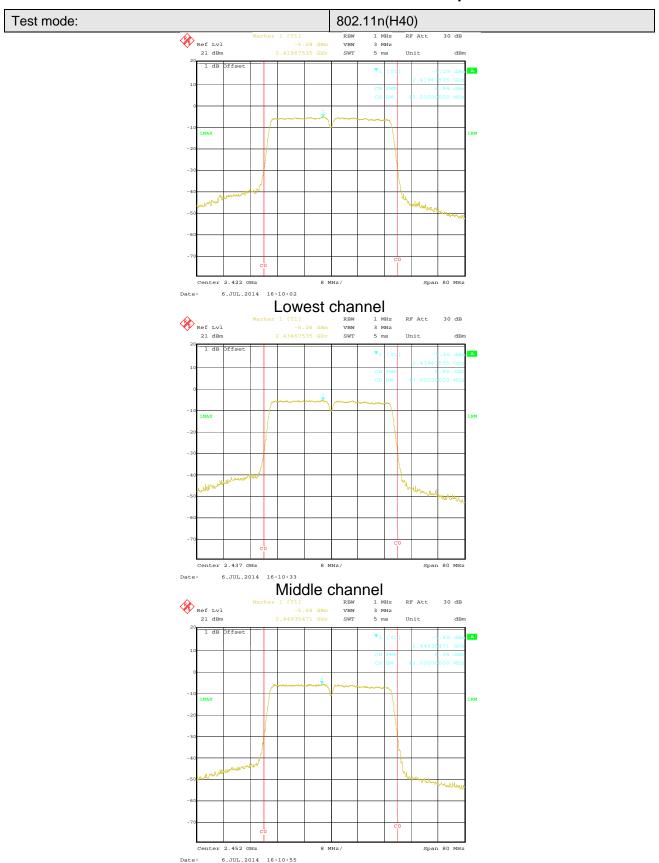






Highest channel





Highest channel



6.4 Occupy Bandwidth

Test Requirement:	FCC Part15 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		

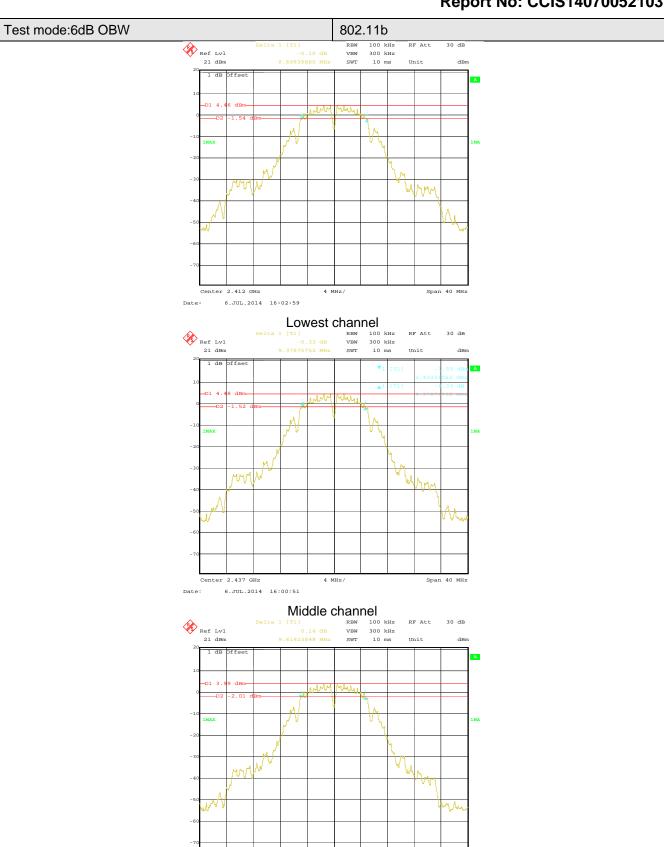
Measurement Data

T . O.L.		6dB Emission	11 2/111	Б		
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(kHz)	Result
Lowest	9.70	16.75	17.96	36.71		
Middle	9.38	16.75	17.96	36.71	>500	Pass
Highest	9.62	16.75	17.96	36.71		

	99% Occupy Bandwidth (MHz)					
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(kHz)	Result
Lowest	13.07	16.59	17.80	36.23		
Middle	12.99	16.59	17.72	36.23	N/A	N/A
Highest	12.91	16.59	17.72	36.23		

Test plot as follows:



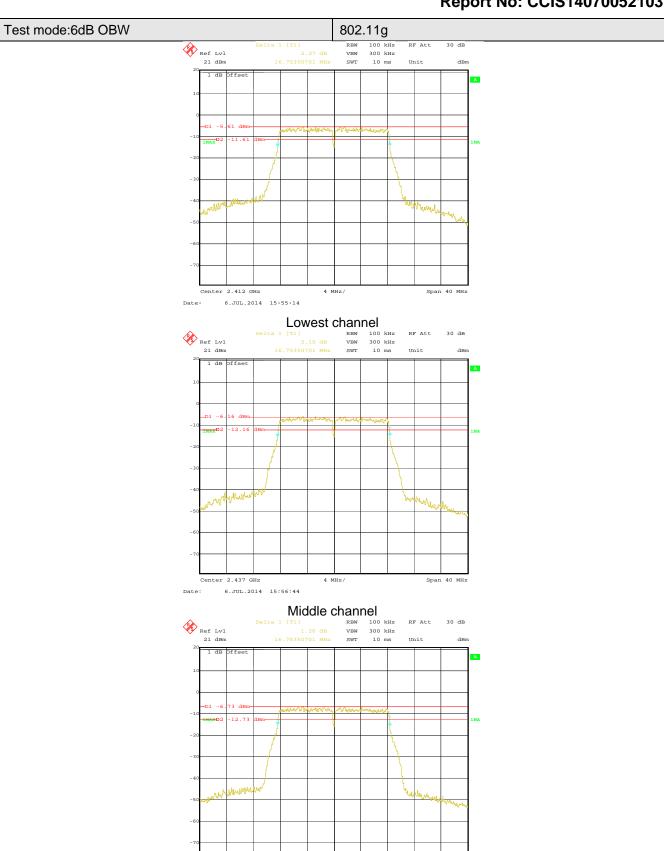


Highest channel

Center 2.462 GHz

6.JUL.2014 15:59:30



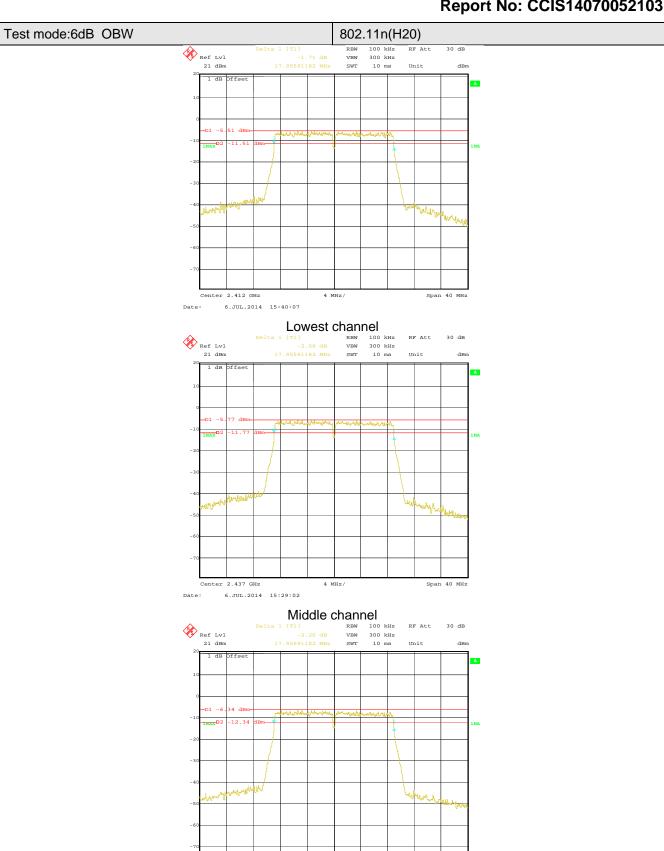


Highest channel

Center 2.462 GHz

6.JUL.2014 15:58:28



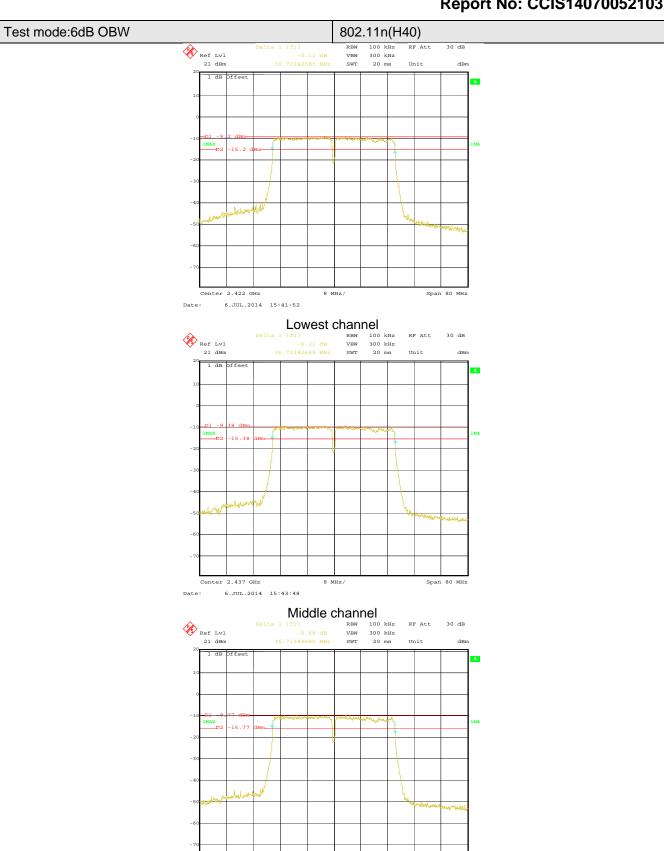


Highest channel

Center 2.462 GHz

6.JUL.2014 15:27:41



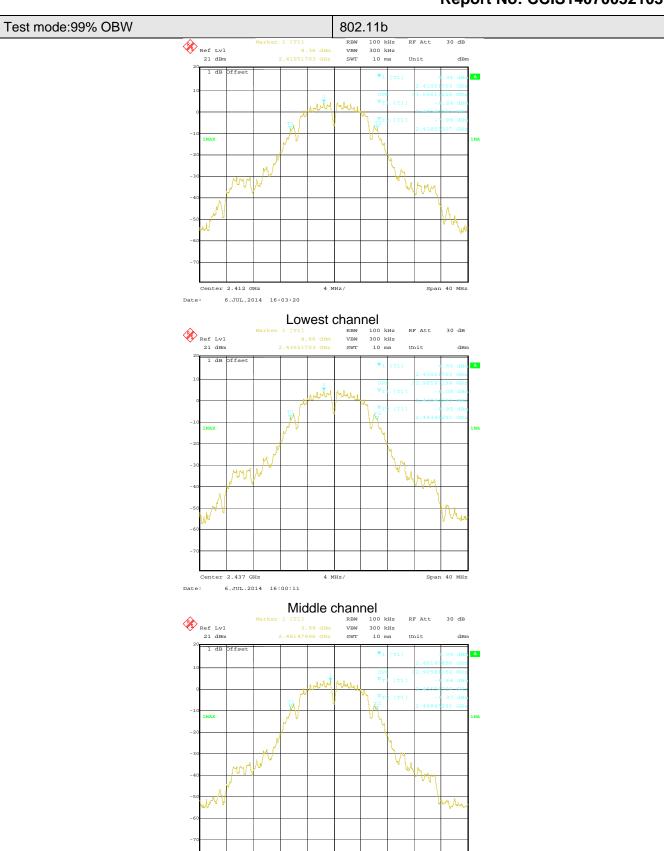


Highest channel

Center 2.452 GHz

6.JUL.2014 15:44:52



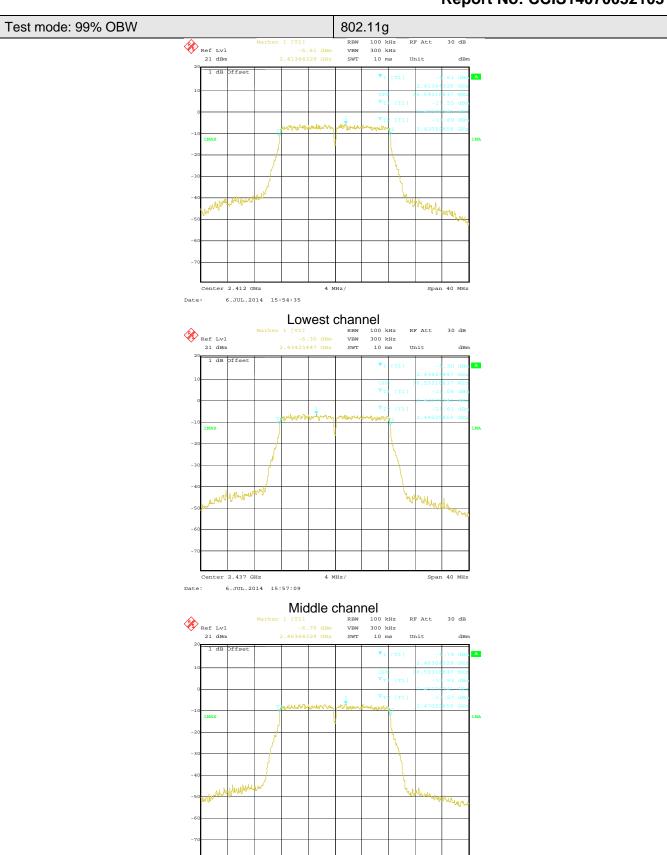


Highest channel

Center 2.462 GHz

6.JUL.2014 15:59:47

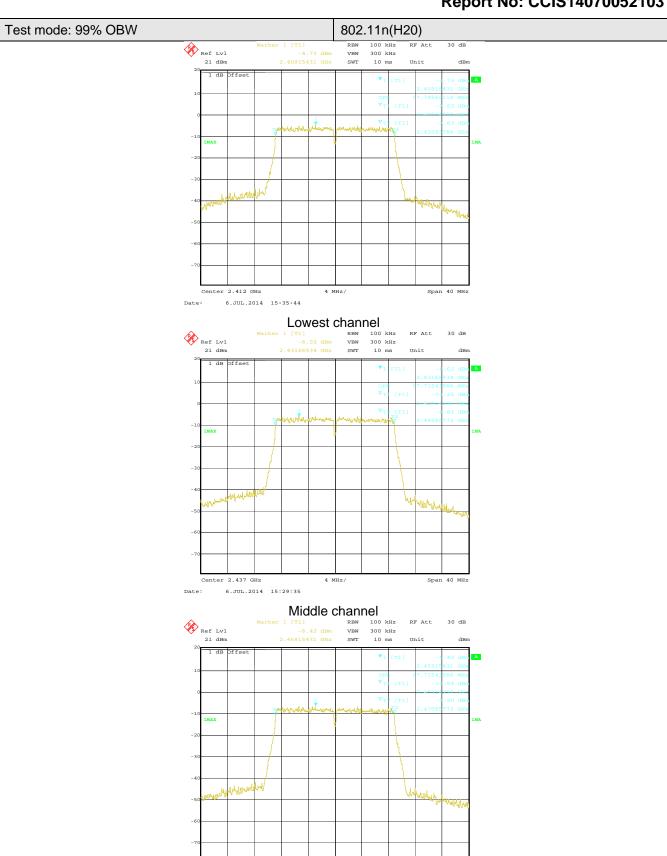




Center 2.462 GHz

6.JUL.2014 15:57:57

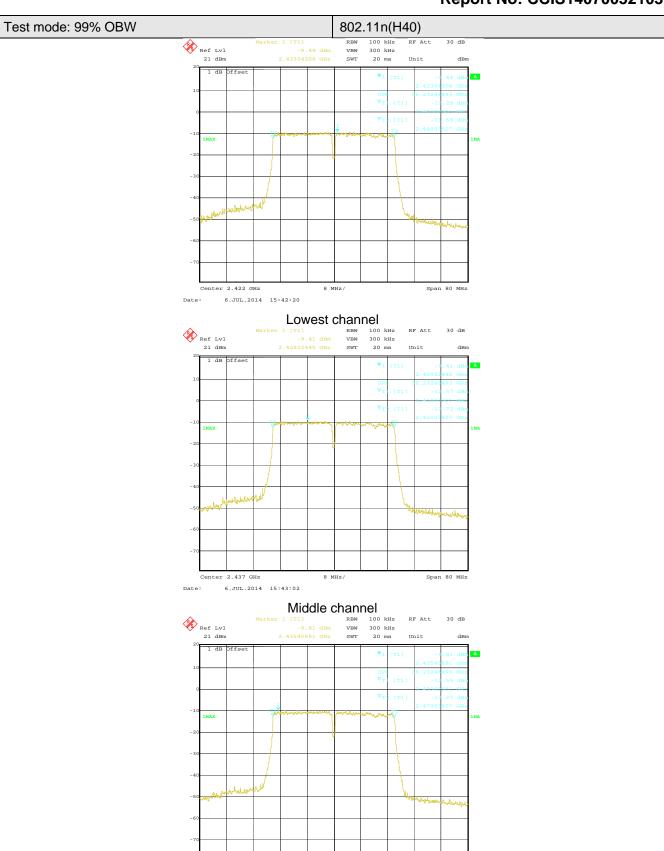




Center 2.462 GHz

6.JUL.2014 15:25:38





Highest channel

Center 2.452 GHz

6.JUL.2014 15:46:02



6.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)		
Test Method:	ANSI C63.4:2003 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		

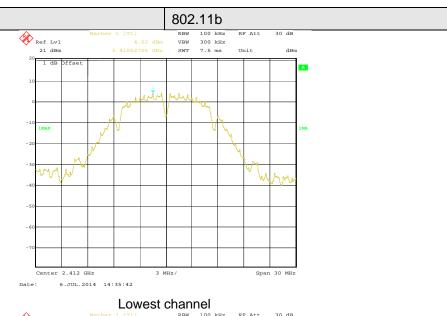
Measurement Data

T (011		Power Spec	l: ://ID)	D 1		
Test CH	802.11b	802.11g	802.11n(H20)	802.11n(H40)	Limit(dBm)	Result
Lowest	4.02	-4.10	-5.23	-8.54		
Middle	3.86	-4.37	-5.55	-9.17	8.00	Pass
Highest	3.23	-5.53	-6.39	-9.26		

Test plot as follows:



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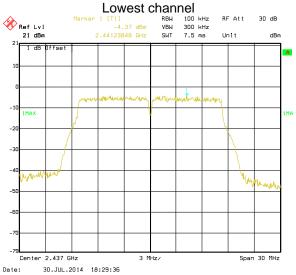


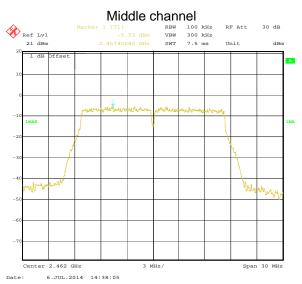
Highest channel



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Highest channel



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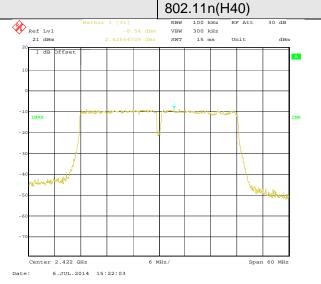


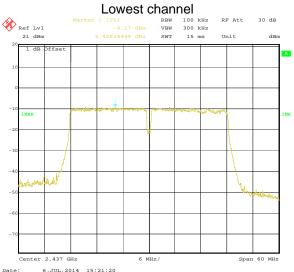


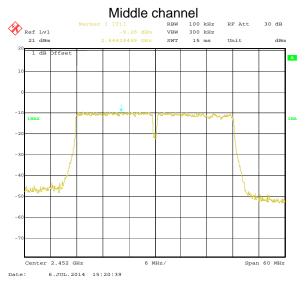
Highest channel



Report No: CCIS14070052103







Highest channel



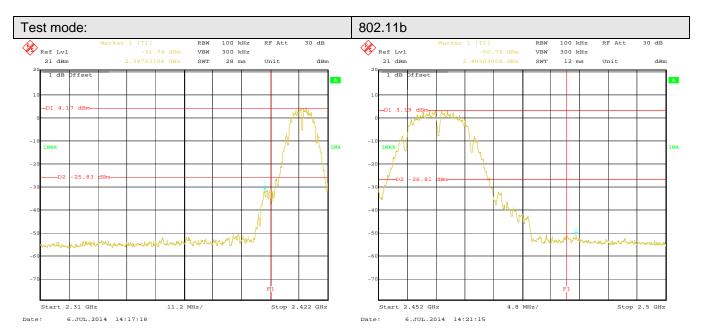
6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)		
Test Method:	ANSI C63.4:2003 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		

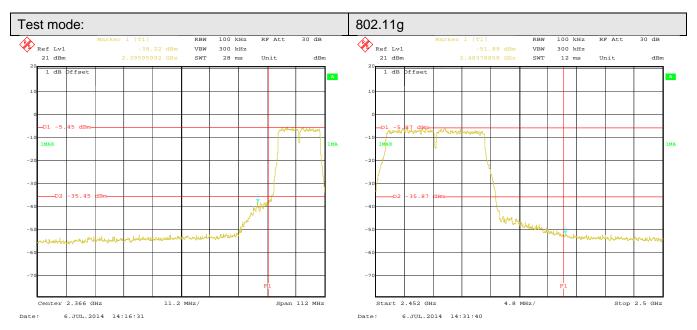
Test plot as follows:





Lowest channel

Highest channel



Lowest channel

Highest channel





Lowest channel

Highest channel



Lowest channel

Highest channel



6.6.2 Radiated Emission Method

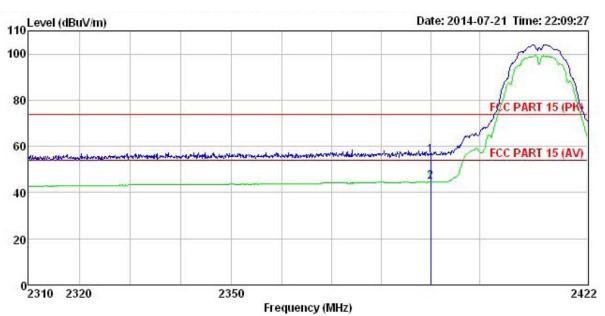
Test Requirement:	FCC Part15 C S	Section 15.209	and 15.205				
Test Method:	ANSI C63.4: 2003						
Test Frequency Range:	2.3GHz to 2.5GHz						
Test site:	Measurement Distance: 3m						
Receiver setup:	Frequency Above 1GHz	Detector Peak	RBW 1MHz	VBW 3MHz	Remark Peak Value Average Value		
Limit:		Peak 1MHz 10Hz					
Lifflit.	Freque Above 1		Limit (dBuV/ 54.0	0	Remark Average Value		
Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 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. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi- 						
Test setup:	Sheet. Antenna Tower Horn Antenna Spectrum Analyzer Turn Table Amplifier						
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 VULB9163(30M1G) HORIZONTAL Condition

Pro

: 521RF : Smartphone EUT : MIGHTY Model Test mode : B-L mode Power Rating : 120V/60Hz

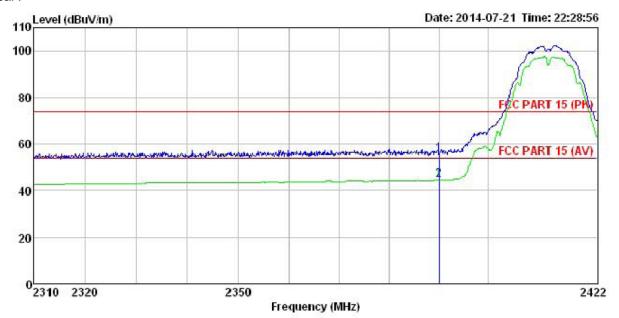
Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Carey REMARK :

Liiunu	8		ReadAntenna Cable Pre Level Factor Loss Fac						Remark	
-	MHz	dBu∀	dB/m	₫B	<u>dB</u>	dBuV/m	dBuV/m	dB		
1 2	2390.000 2390.000				0.00 0.00				Peak Average	



Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m VULB9163(30M1G) VERTICAL : 521RF Condition

Pro : Smartphone : MIGHTY EUT Model Test mode : B-L mode

Power Rating: 120V/60Hz Environment: Temp:25.5°C Huni:55%

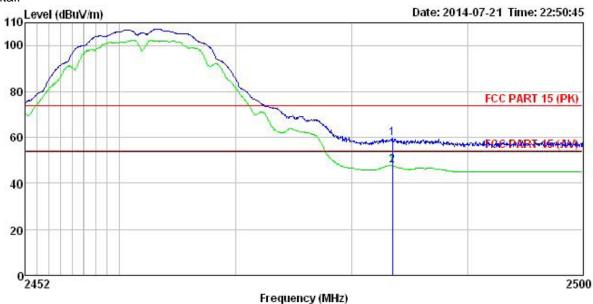
Test Engineer: Carey REMARK :

							Limit Level Line L		Remark
-	MHz	dBu₹	<u>dB</u> /m	<u>dB</u>	<u>d</u> B	dBuV/m	dBuV/m	<u>d</u> B	
	2390.000 2390.000						74.00 54.00		Peak Average



Test channel: Highest

Horizontal:



Site

: 3m chamber : FCC PART 15 (PK) 3m VULB9163(30M1G) HORIZONTAL : 521RF Condition

Pro : Smartphone : MIGHTY EUT Model Test mode : B-H mode

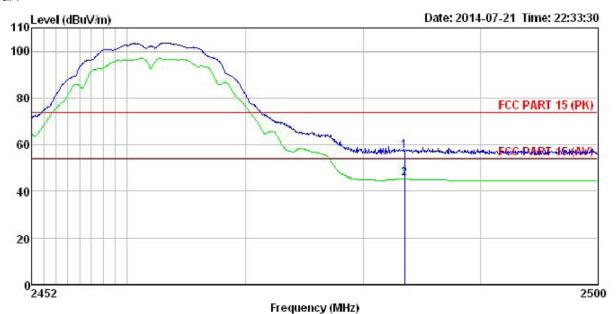
Power Rating: 120V/60Hz Environment: Temp:25.5°C Huni:55%

Test Engineer: Carey REMARK :

נתמו	n :									
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark	
-	MHz	dBu∜	dB/m	<u>dB</u>	<u>dB</u>	dBuV/m	dBuV/m	dB		
83	2483.500	22.45	31.55	5.70	0.00	59.70	74.00	-14.30	Peak	
)	2483, 500	10.45	31, 55	5, 70	0.00	47.70	54,00	-6.30	Average	



Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m VULB9163(30M1G) VERTICAL : 521RF Condition

Pro : Smartphone EUT : MIGHTY Model Test mode : B-H mode
Power Rating : 120V/60Hz
Environment : Temp: 25.5°C Huni: 55%

Test Engineer: Carey

יונטונים		Read	Antenna	Cable	Preamn		Limit	Over	
	Freq		Factor						Remark
3	MHz	dBu∜	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	19.94	31.55	5.70	0.00	57.19	74.00	-16.81	Peak
2	2483.500	8.26	31.55	5.70	0.00	45.51	54.00	-8.49	Average