

# FCC REPORT (WIFI)

**Applicant:** GNJ Manufacturing Inc.

**Address of Applicant:** 205 Ansin Blvd Hallandale Beach, FL 33009, USA

## Equipment Under Test (EUT)

**Product Name:** Smart Phone-CHIC MINI Series

**Model No.:** CAPHG22-01, CAPHG22-02

**Trade mark:** CellAllure

**FCC ID:** 2AAE9CAPHG22-0X

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

**Date of sample receipt:** 30 Dec., 2014

**Date of Test:** 31 Dec., 2014 to 09 Jan., 2015

**Date of report issued:** 09 Jan., 2015

**Test Result:** PASS\*

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

Authorized Signature:



Bruce Zhang  
Laboratory Manager

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

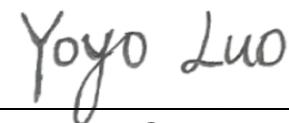
This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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

## 2 Version

Version No.	Date	Description
00	09 Jan., 2015	Original

**Prepared by:**



**Date:**

09 Jan., 2015

**Report Clerk**

**Reviewed by:**



**Date:**

09 Jan., 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:	GNJ Manufacturing Inc.
Address of Applicant:	205 Ansin Blvd Hallandale Beach, FL 33009, USA
Manufacturer/Factory:	GNJ Manufacturing Inc. china
Address of Manufacturer/Factory:	4/F, Blk A, No.48 Industrial Park, ZhongKai HiTech Zone, HuiZhou City, GuangDong Province

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

Product Name:	Smart Phone-CHIC MINI Series
Model No.:	CAPHG22-01, CAPHG22-02
Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20)) 2422MHz~2452MHz (802.11n(H40))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20) 7 for 802.11n(H40)
Channel separation:	5MHz
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	Internal Antenna
Antenna gain:	-0.5 dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V-1380mAh
AC adapter:	Model: ODL-018 Input:110-240V AC, 50/60Hz 0.5A Output:5V DC, 1000mA

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

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

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

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

Note:

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

802.11b/802.11g/802.11n (H20)

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

802.11n (H40)

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

### 5.3 Test environment and mode

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

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

#### Final Test Mode:

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

## 5.4 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

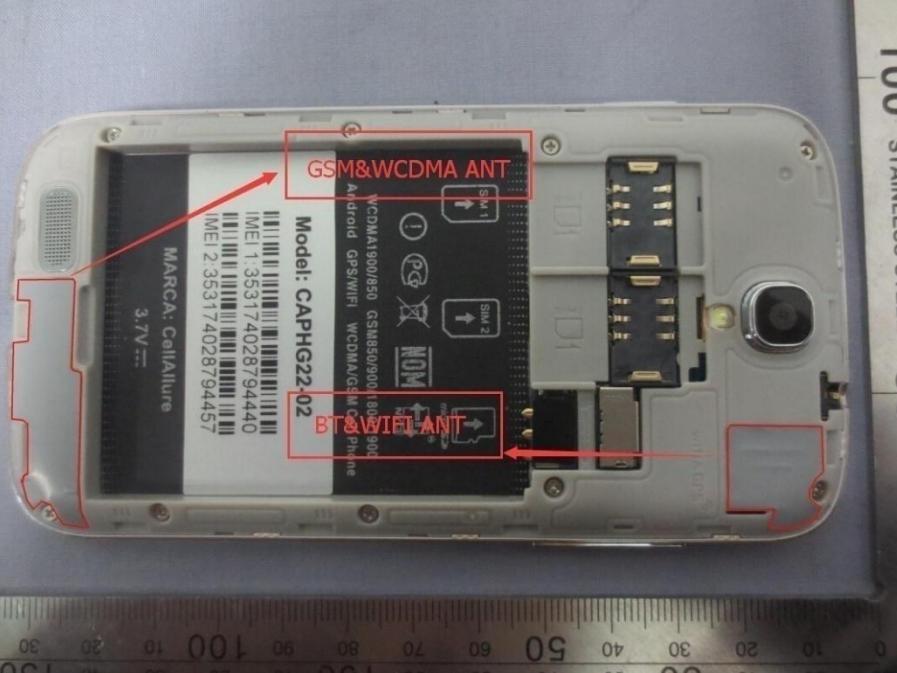
## 5.6 Test Instruments list

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	04-19-2014	04-19-2015
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	04-19-2014	04-19-2015
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
5	Amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2014	04-01-2015
6	Amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	06-09-2014	06-08-2015
7	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2014	03-31-2015
8	Horn Antenna	ETS-LINDGREN	3160	GTS217	03-30-2014	03-29-2015
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	04-19-2014	04-19-2015
12	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	04-01-2014	03-31-2015
13	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2014	03-31-2015
14	Universal radio communication tester	Rhode & Schwarz	CMU200	CCIS0069	05-29-2014	05-28-2015
15	Signal Analyzer	Rohde & Schwarz	FSIQ3	CCIS0088	04-19-2014	04-19-2015

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	10-10-2012	10-09-2015
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	04-10-2014	04-10-2015
3	LISN	CHASE	MN2050D	CCIS0074	04-10-2014	04-10-2015
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2014	03-31-2015
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 Part 15 C Section 15.203 /247(c)
15.203 requirement: <i>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</i>	
15.247(c) (1)(i) requirement: <i>(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.</i>	
E.U.T Antenna:	<p>The WiFi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is -0.5 dBi.</p> 

## 6.2 Conducted Emission

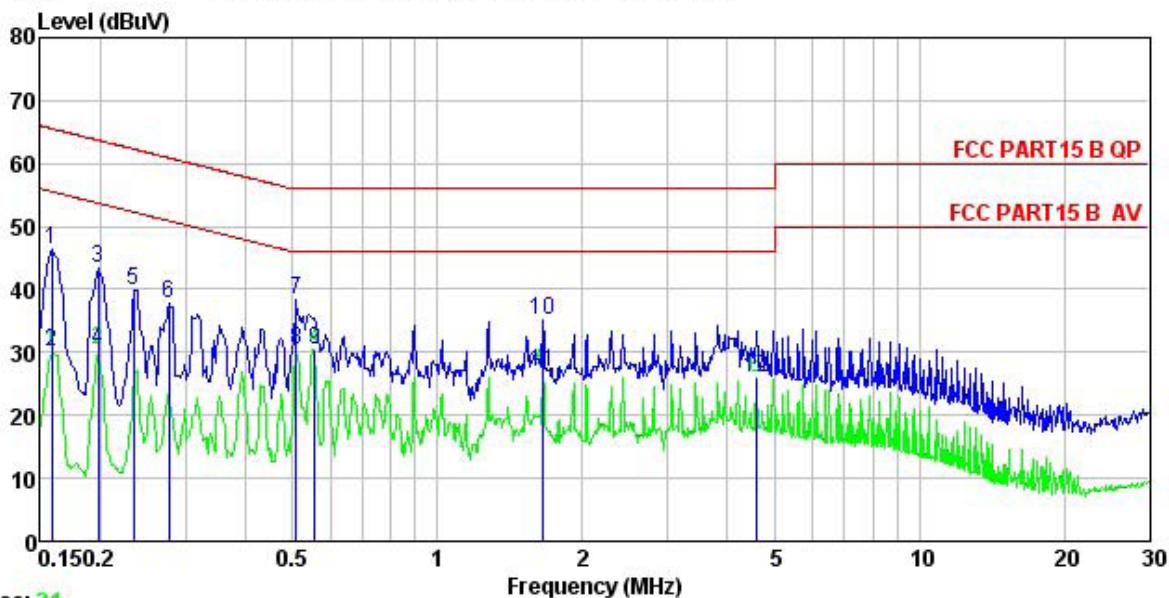
Test Requirement:	FCC Part 15 C Section 15.207		
Test Method:	ANSI C63.4: 2003		
Test Frequency Range:	150 kHz to 30 MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9 kHz, VBW=30 kHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50

\* Decreases with the logarithm of the frequency.

Test procedure	- 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:	Reference Plane  LISN  40cm  80cm  AUX Equipment  E.U.T  Test table/Insulation plane  EMI Receiver  Filter  AC power  Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m		
Test Instruments:	Refer to section 5.6 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Passed		

### Measurement Data

## Neutral:

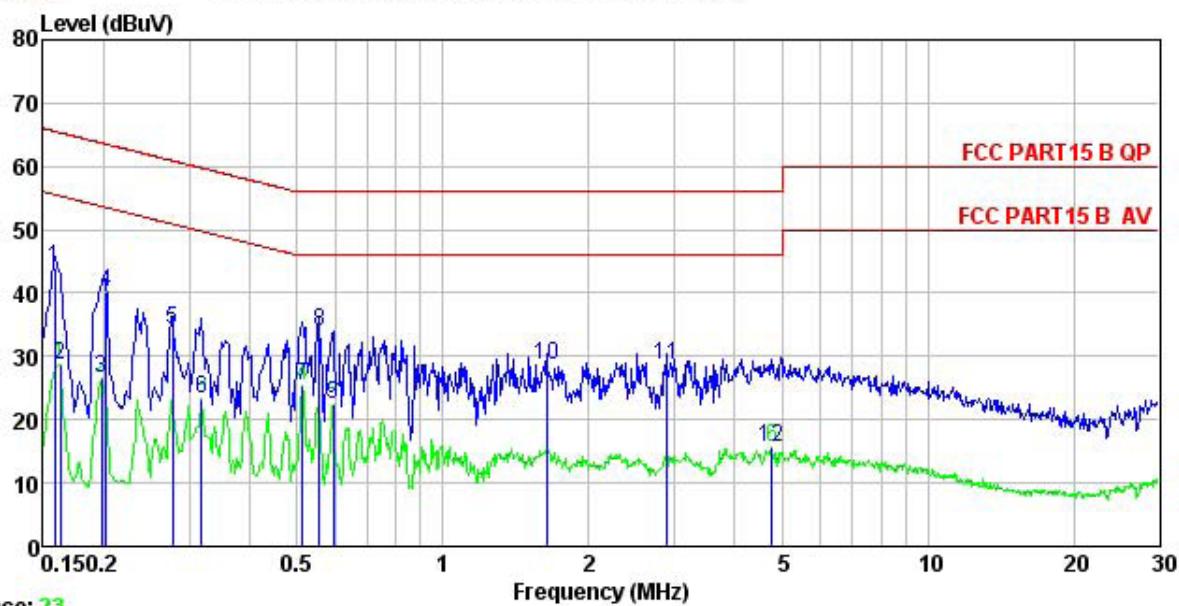


Trace: 21

Site : CCIS Shielding Room  
Condition : FCC PART15 B QP LISN NEUTRAL  
EUT : Smart Phone  
Model : CAPHG22-01/02  
Test Mode : Wifi mode  
Power Rating : AC 120/60Hz  
Environment : Temp: 23 °C Humi:56% Atmos:101KPa  
Test Engineer: MT  
Remark :

Freq	Read	LISN	Cable	Limit	Over	Remark	
	MHz	Level	Factor	Loss	Level	Line	Limit
1	0.158	35.40	0.25	10.78	46.43	65.56	-19.13 QP
2	0.158	19.22	0.25	10.78	30.25	55.56	-25.31 Average
3	0.198	32.43	0.25	10.76	43.44	63.71	-20.27 QP
4	0.198	19.34	0.25	10.76	30.35	53.71	-23.36 Average
5	0.234	28.85	0.25	10.75	39.85	62.30	-22.45 QP
6	0.277	26.65	0.26	10.74	37.65	60.90	-23.25 QP
7	0.510	27.27	0.28	10.76	38.31	56.00	-17.69 QP
8	0.510	19.36	0.28	10.76	30.40	46.00	-15.60 Average
9	0.555	19.41	0.26	10.77	30.44	46.00	-15.56 Average
10	1.654	23.90	0.27	10.94	35.11	56.00	-20.89 QP
11	1.654	15.67	0.27	10.94	26.88	46.00	-19.12 Average
12	4.574	14.82	0.28	10.87	25.97	46.00	-20.03 Average

Line:



Trace: 23

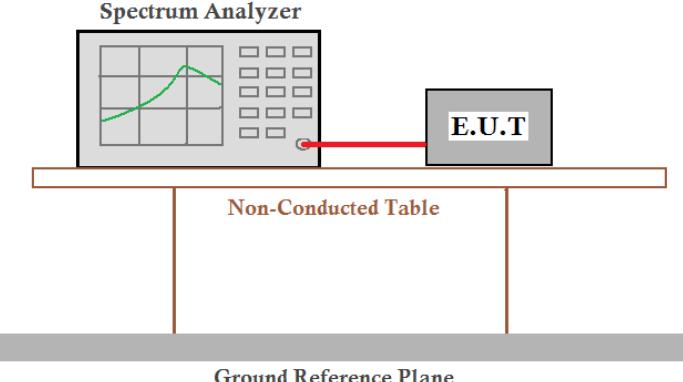
Site : CCIS Shielding Room  
 Condition : FCC PART15 B QP LISN LINE  
 EUT : Smart Phone  
 Model : CAPHG22-01/02  
 Test Mode : Wifi mode  
 Power Rating : AC 120V/60Hz  
 Environment : Temp: 23 °C Humi:56% Atmos:101KPa  
 Test Engineer: MT  
 Remark :

	Freq	Read Level	LISN Factor	Cable Loss	Limit Level	Over Line Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB
1	0.158	32.81	0.27	10.78	43.86	65.56	-21.70 QP
2	0.162	17.61	0.27	10.77	28.65	55.34	-26.69 Average
3	0.198	15.53	0.28	10.76	26.57	53.71	-27.14 Average
4	0.202	29.24	0.28	10.76	40.28	63.54	-23.26 QP
5	0.277	23.33	0.26	10.74	34.33	60.90	-26.57 QP
6	0.318	12.39	0.26	10.74	23.39	49.75	-26.36 Average
7	0.513	14.42	0.28	10.76	25.46	46.00	-20.54 Average
8	0.555	22.98	0.27	10.77	34.02	56.00	-21.98 QP
9	0.595	11.52	0.25	10.77	22.54	46.00	-23.46 Average
10	1.636	17.32	0.26	10.93	28.51	56.00	-27.49 QP
11	2.884	17.31	0.27	10.92	28.50	56.00	-27.50 QP
12	4.772	4.48	0.29	10.86	15.63	46.00	-30.37 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

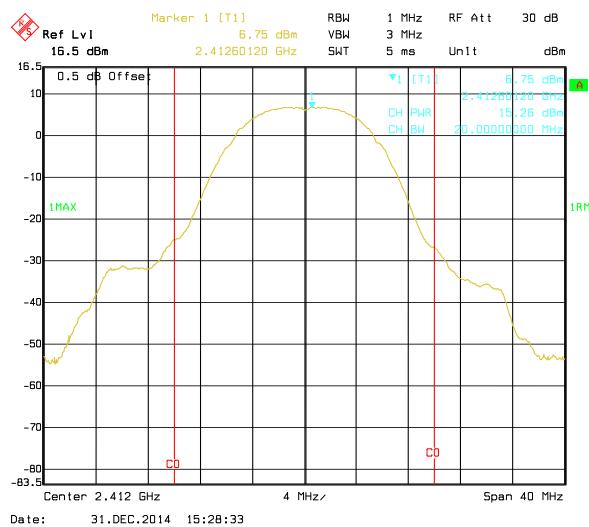
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	30dBm
Test setup:	 <p>The diagram illustrates the test setup for conducted output power. A Spectrum Analyzer is connected to the E.U.T (Equipment Under Test) via a coaxial cable. The E.U.T is placed on a Non-Conducted Table. The entire assembly sits on a Ground Reference Plane.</p>
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	Test method refer to KDB558074 (DTS Measure Guidance) section 8.2, option 1.

#### Measurement Data

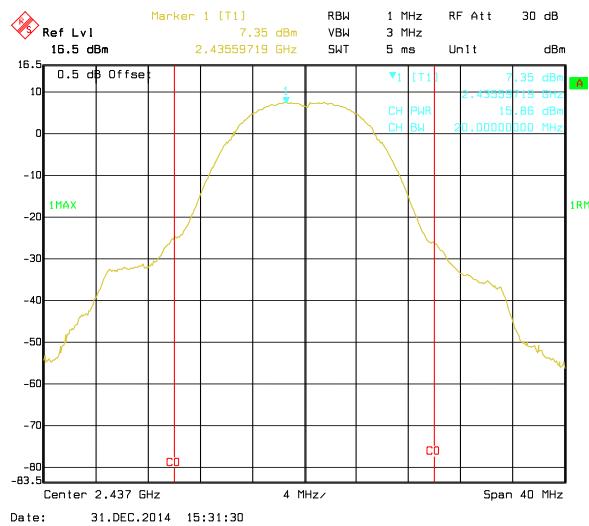
Test CH	Maximum Conducted Output Power (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	15.26	11.36	11.46	10.47	30.00	Pass
Middle	15.85	14.17	14.17	12.90		
Highest	16.14	12.31	12.70	11.01		

Test plot as follows:

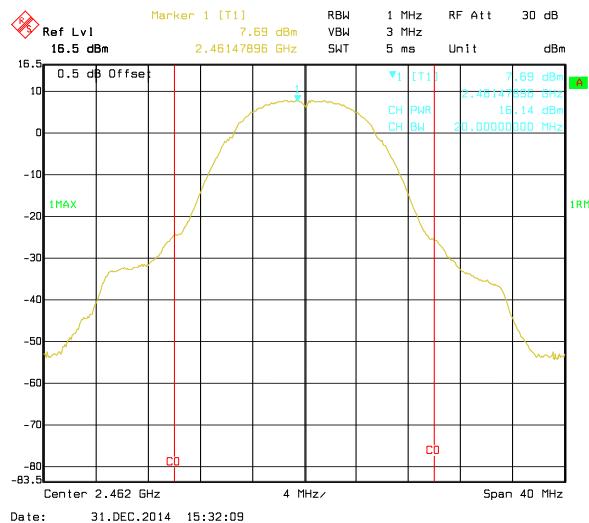
Test mode: 802.11b



Lowest channel

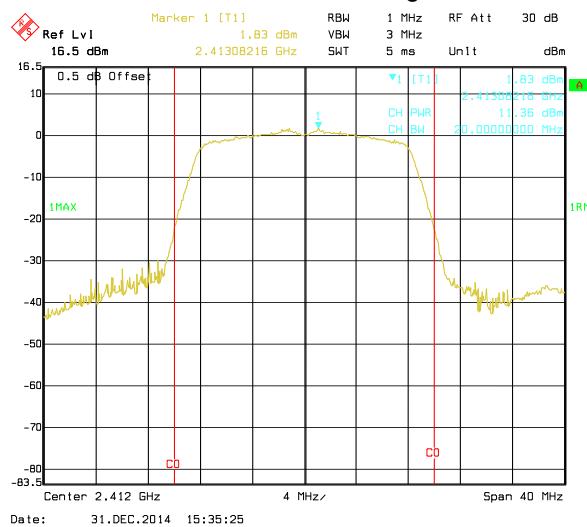


Middle channel

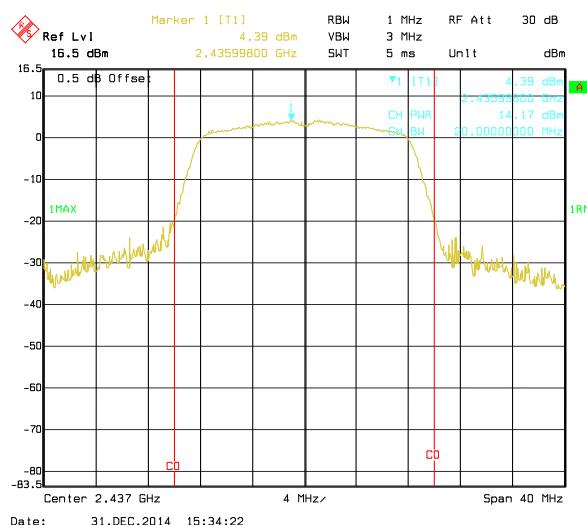


Highest channel

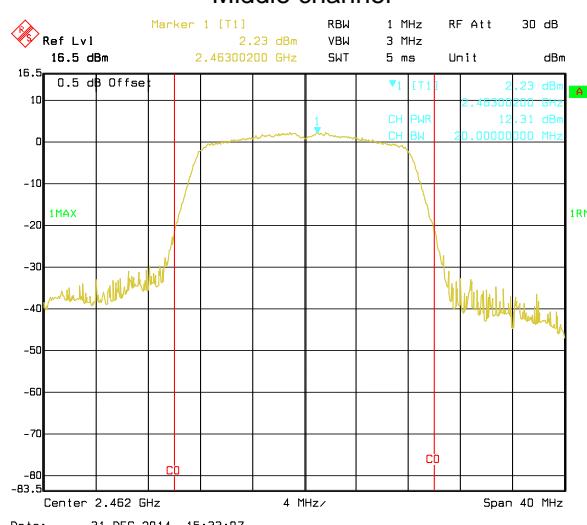
Test mode: 802.11g



Lowest channel

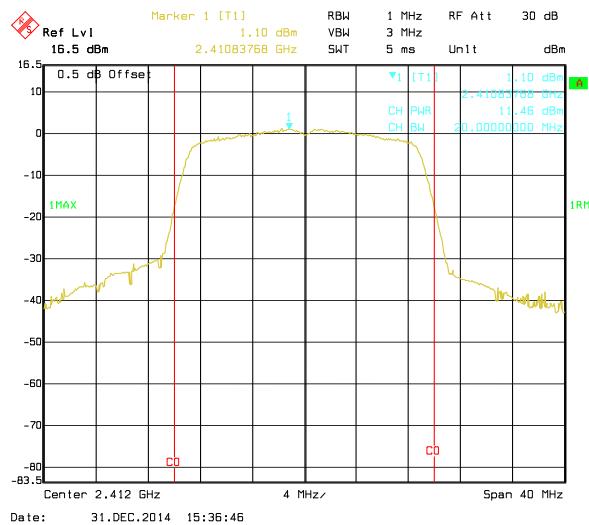


Middle channel

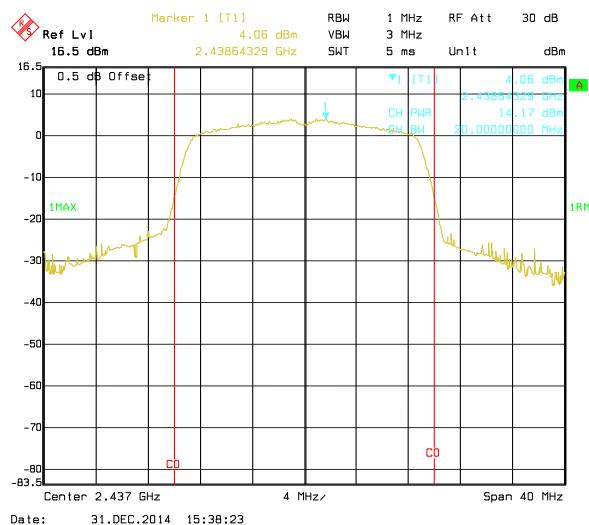


Highest channel

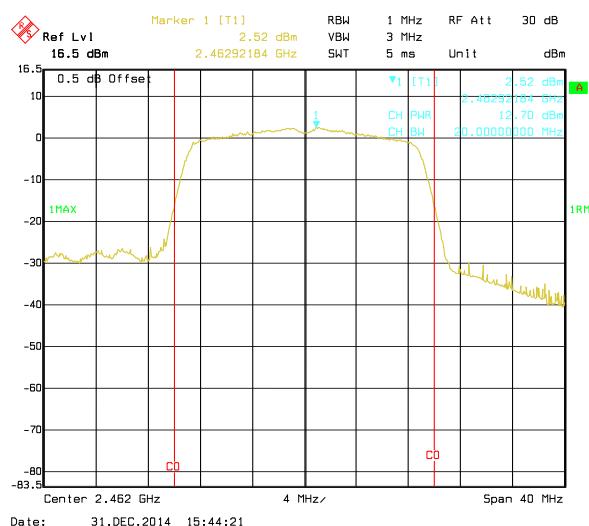
Test mode: 802.11n(H20)



Lowest channel

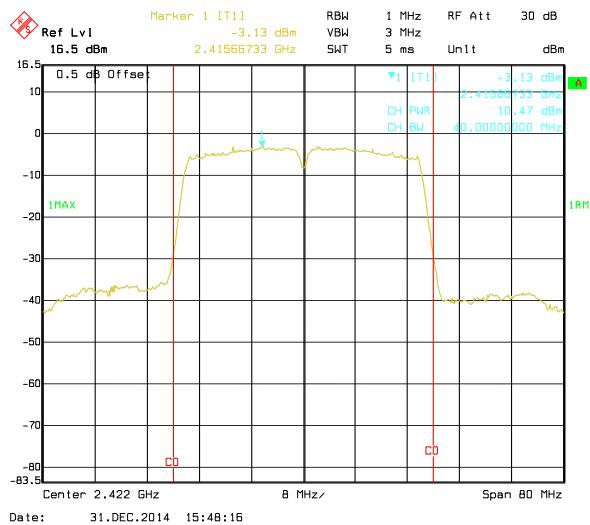


Middle channel

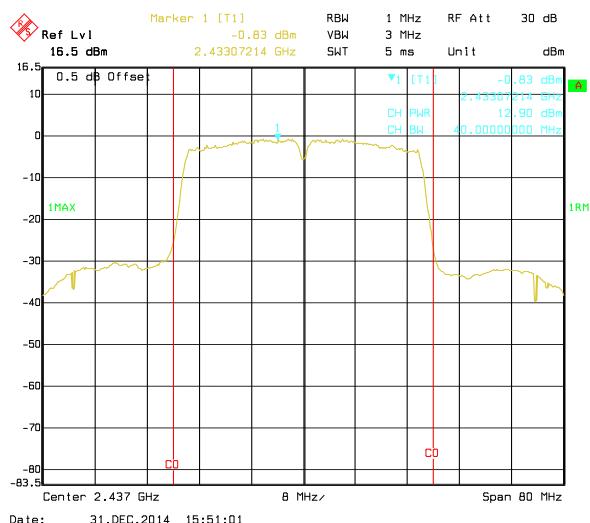


Highest channel

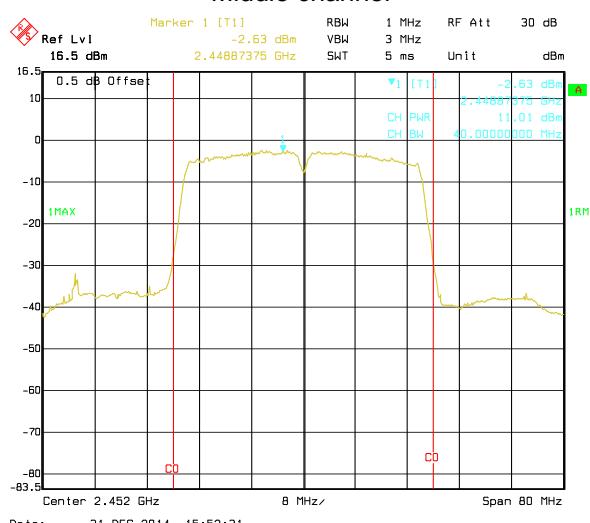
**Test mode: 802.11n(H40)**



**Lowest channel**

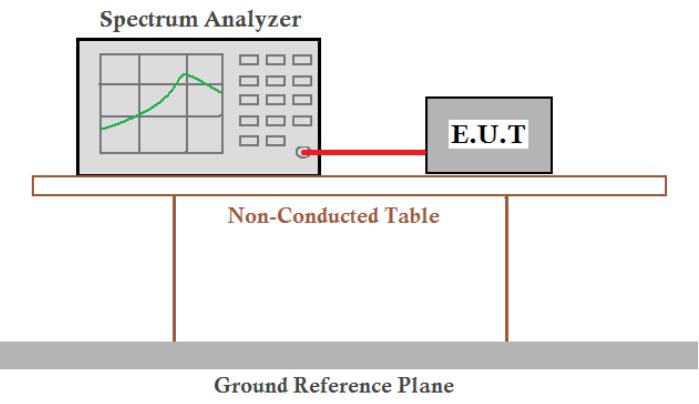


**Middle channel**



**Highest channel**

## 6.4 Occupy Bandwidth

Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	>500kHz
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a cable. The entire setup is placed on a Non-Conducted Table, which sits above a Ground Reference Plane.</p>
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

### Measurement Data

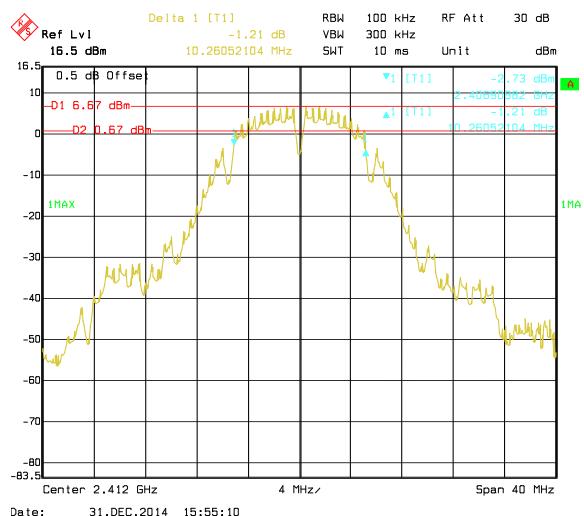
Test CH	6dB Emission Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	10.26	16.11	17.23	35.75	>500	Pass
Middle	10.26	16.19	17.39	35.75		
Highest	10.26	16.19	17.39	35.75		

Test CH	99% Occupy Bandwidth (MHz)				Limit(kHz)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	12.91	16.35	17.56	35.75	N/A	N/A
Middle	12.75	16.43	17.64	36.07		
Highest	12.91	16.43	17.56	35.75		

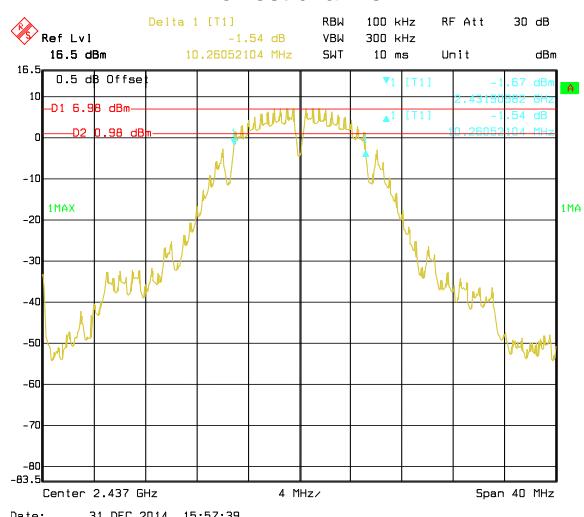
Test plot as follows:

## 6dB EBW

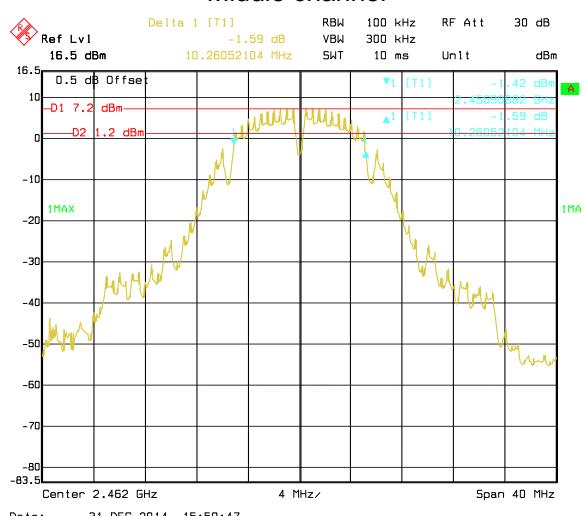
Test mode: 802.11b



## Lowest channel

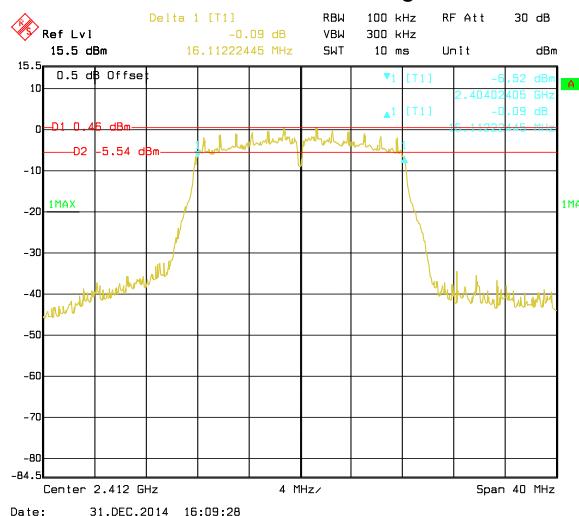


## Middle channel

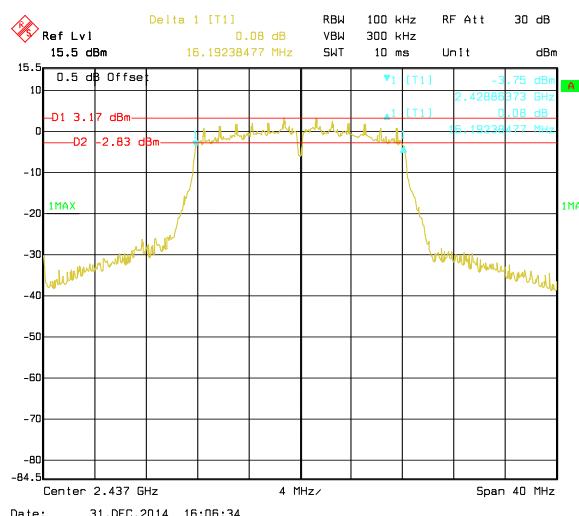


## Highest channel

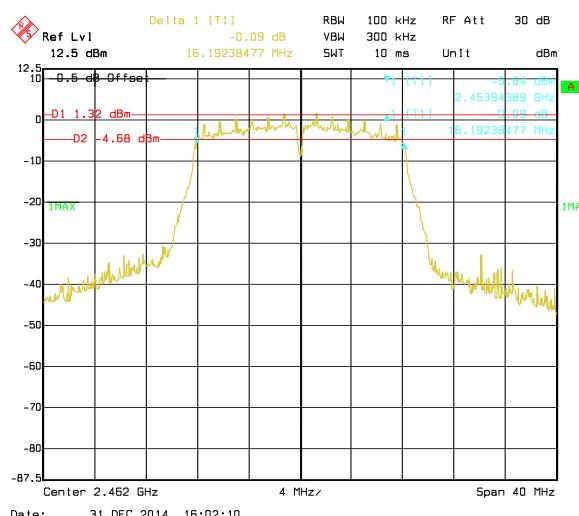
Test mode: 802.11g



Lowest channel

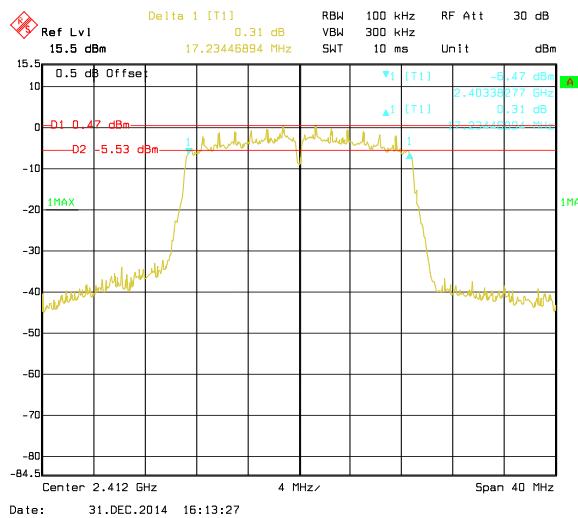


Middle channel

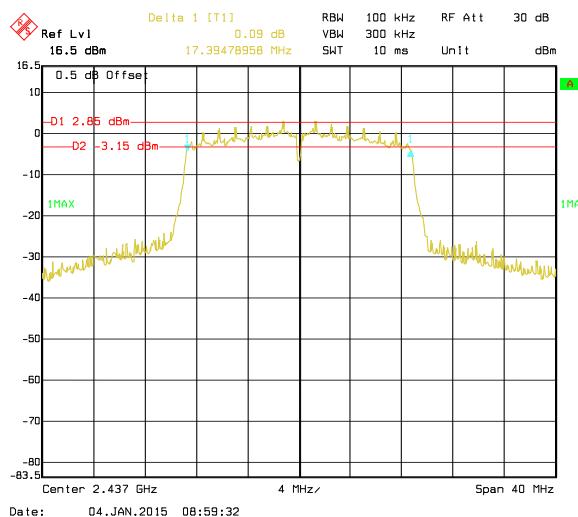


Highest channel

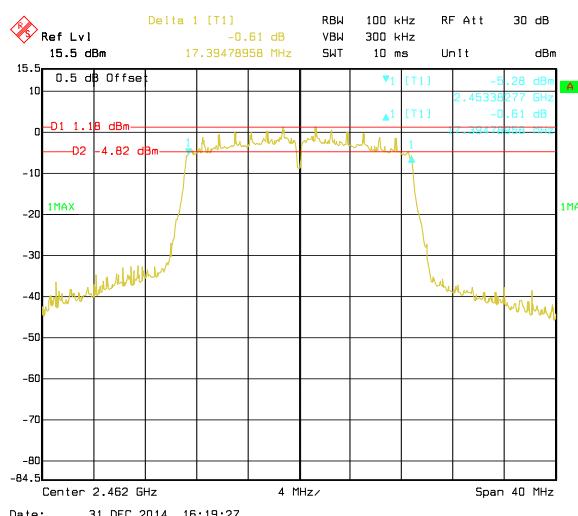
Test mode: 802.11n(H20)



Lowest channel

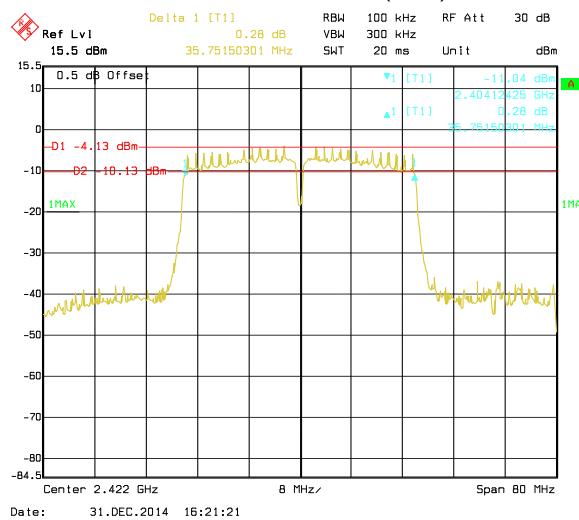


Middle channel

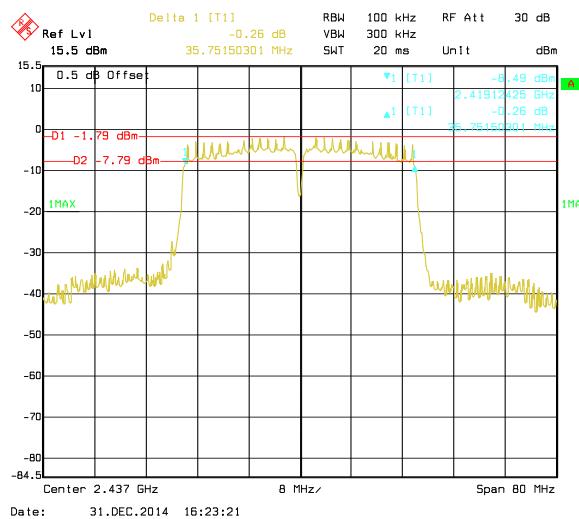


Highest channel

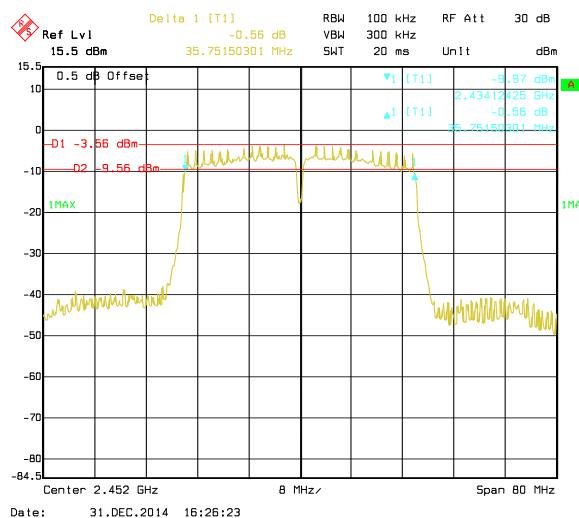
Test mode: 802.11n(H40)



Lowest channel



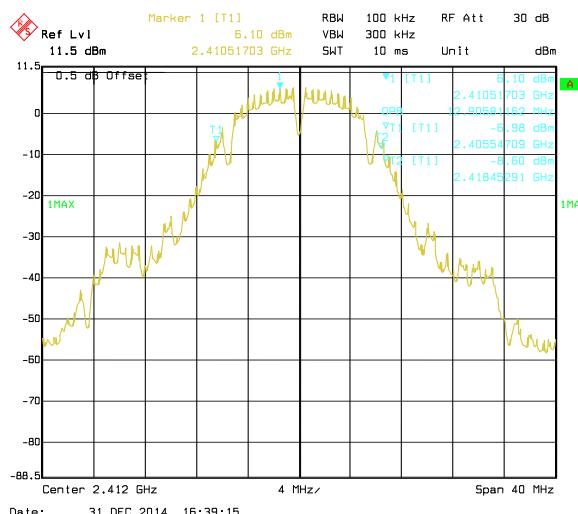
Middle channel



Highest channel

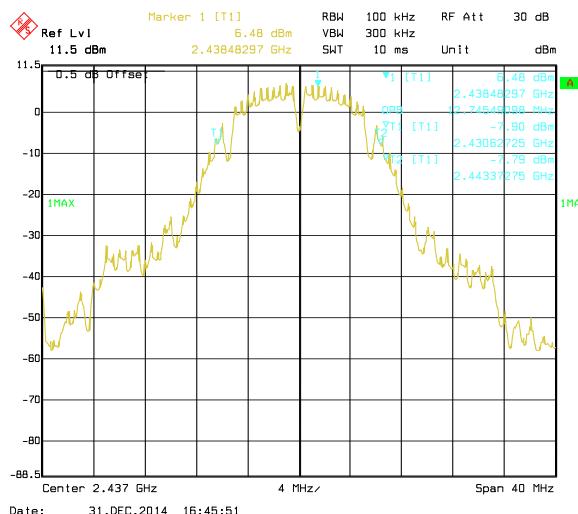
## 99% OBW

Test mode: 802.11b



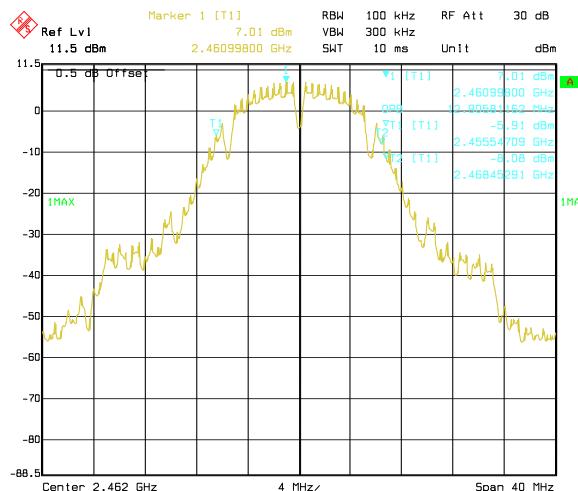
Date: 31.DEC.2014 16:39:15

## Lowest channel



Date: 31.DEC.2014 16:45:51

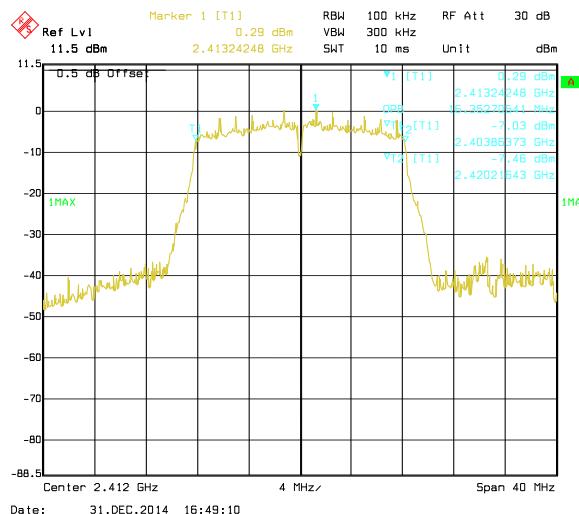
## Middle channel



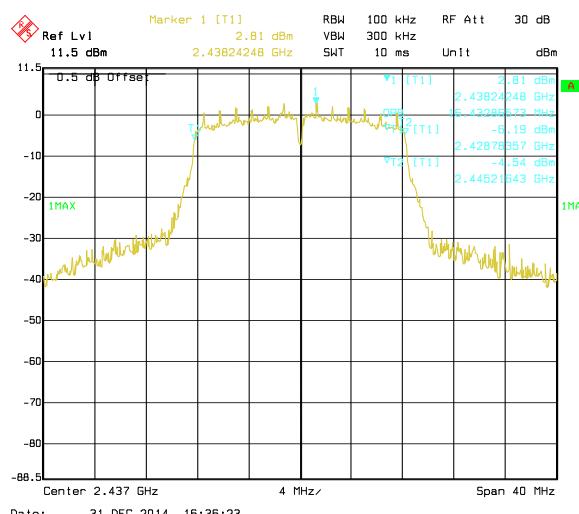
Date: 04.JAN.2015 09:02:42

## Highest channel

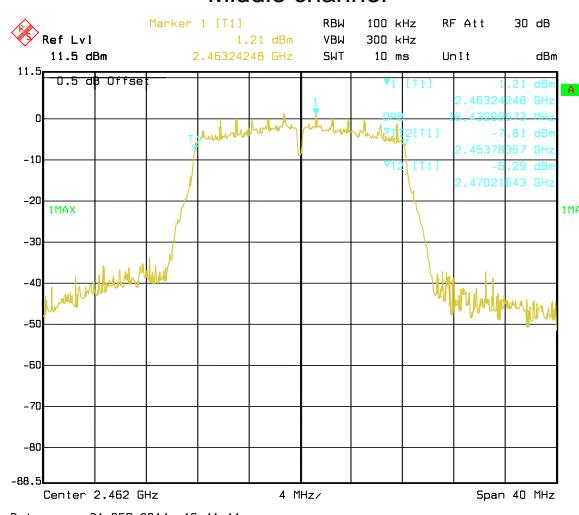
### Test mode: 802.11g



### Lowest channel

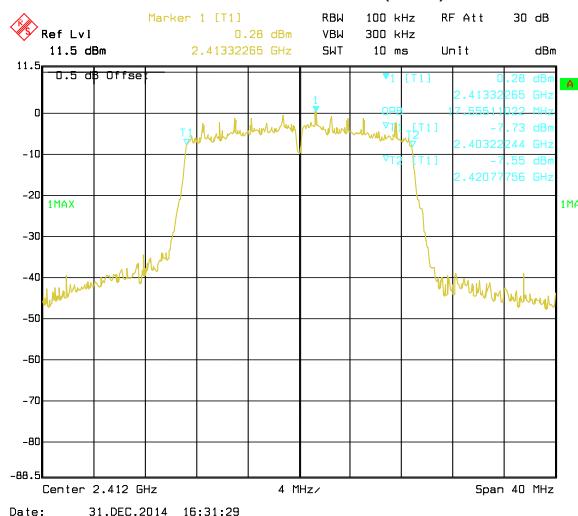


### Middle channel

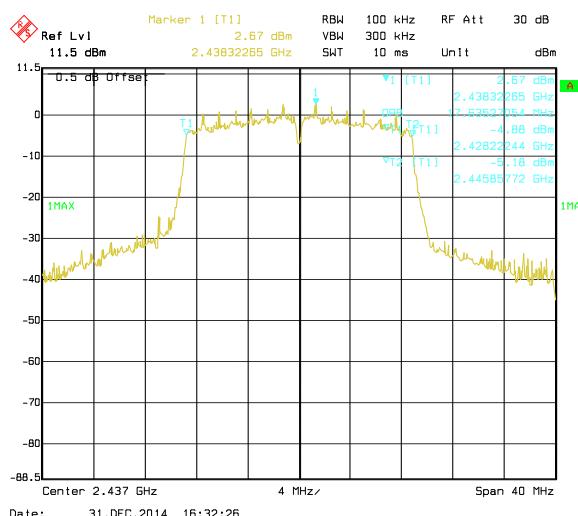


### Highest channel

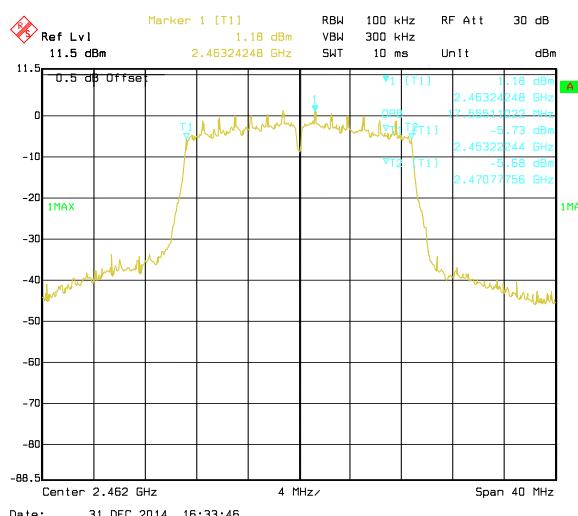
Test mode: 802.11n(H20)



Lowest channel

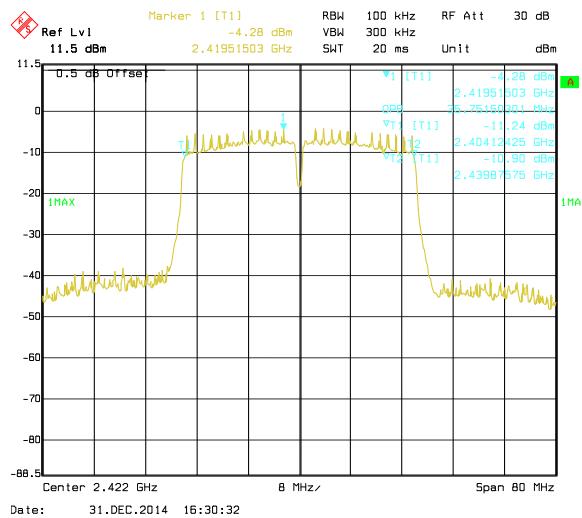


Middle channel

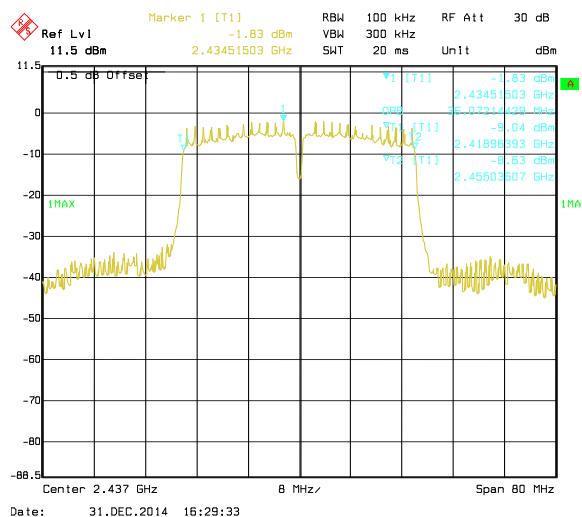


Highest channel

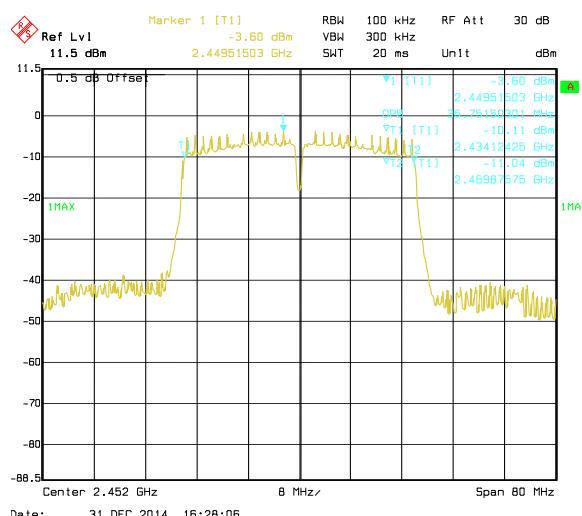
Test mode: 802.11n(H40)



Lowest channel

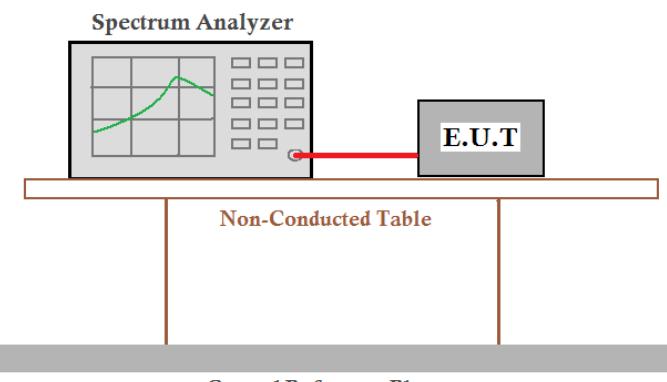


Middle channel



Highest channel

## 6.5 Power Spectral Density

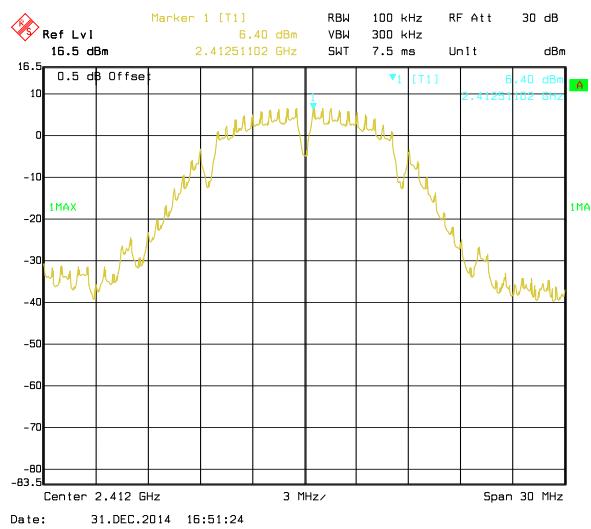
Test Requirement:	FCC Part 15 C Section 15.247 (e)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	8dBm
Test setup:	 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a coaxial cable. The E.U.T is placed on a Non-Conducted Table. The entire assembly sits on a Ground Reference Plane.</p>
Test Instruments:	Refer to section 5.6 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

### Measurement Data

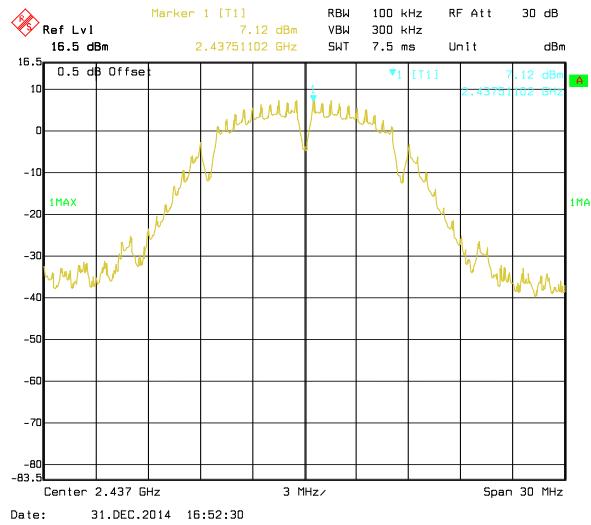
Test CH	Power Spectral Density (dBm)				Limit(dBm)	Result
	802.11b	802.11g	802.11n(H20)	802.11n(H40)		
Lowest	6.40	0.38	0.45	-4.08	8.00	Pass
Middle	7.12	2.86	2.75	-1.69		
Highest	7.35	1.07	1.00	-3.58		

Test plot as follows:

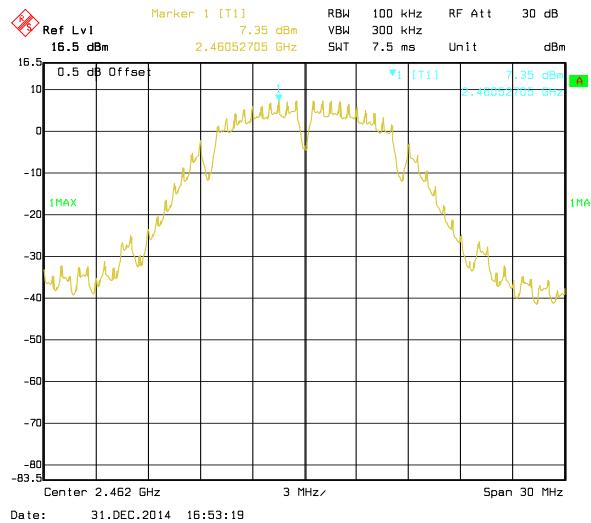
Test mode: 802.11b



Lowest channel

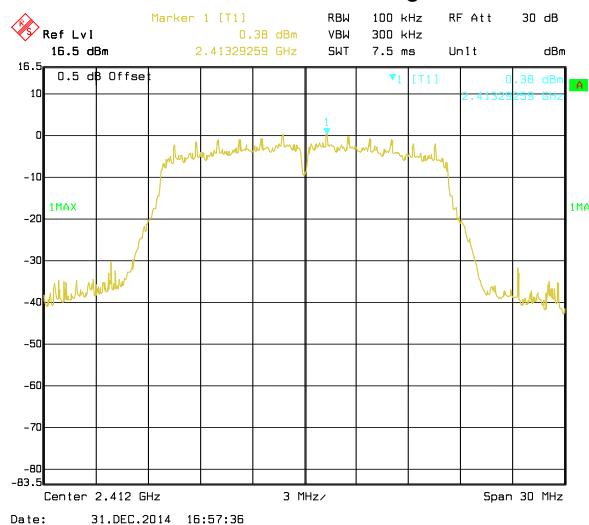


Middle channel

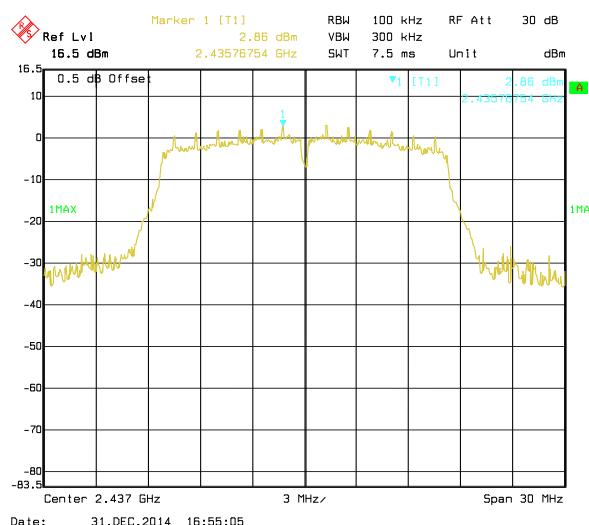


Highest channel

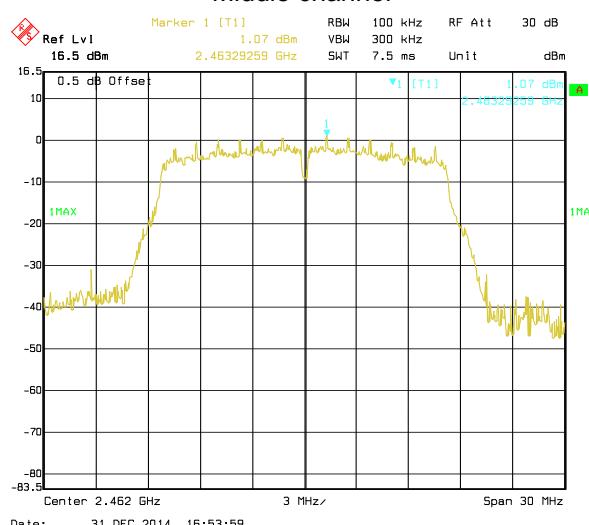
Test mode: 802.11g



Lowest channel

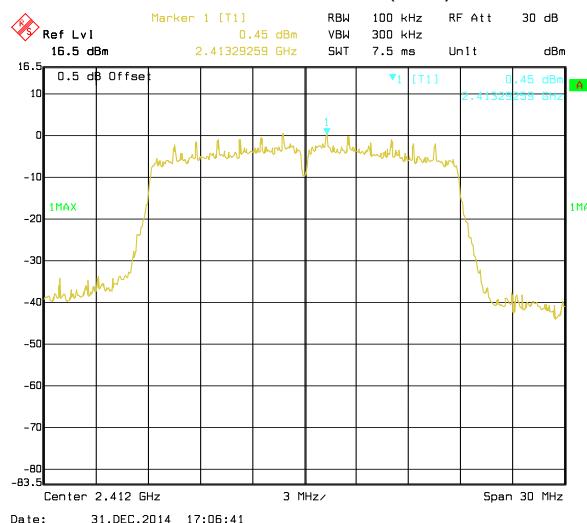


Middle channel

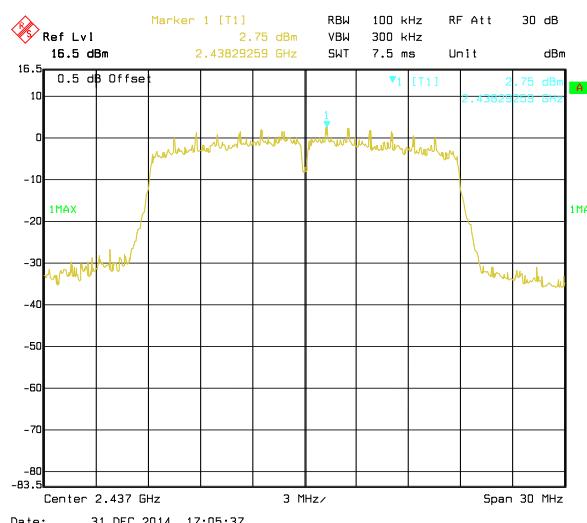


Highest channel

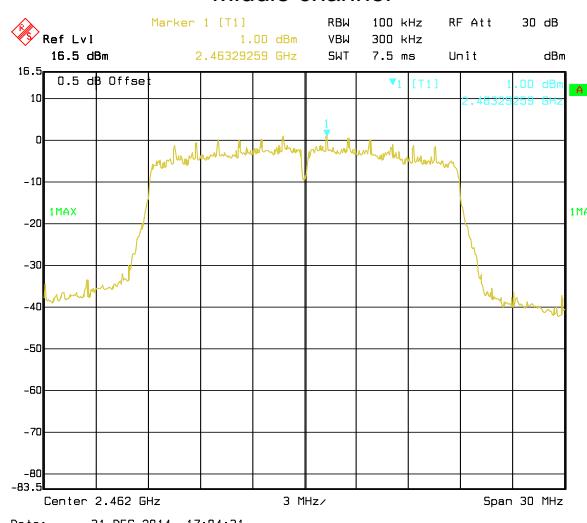
**Test mode: 802.11n(H20)**



**Lowest channel**

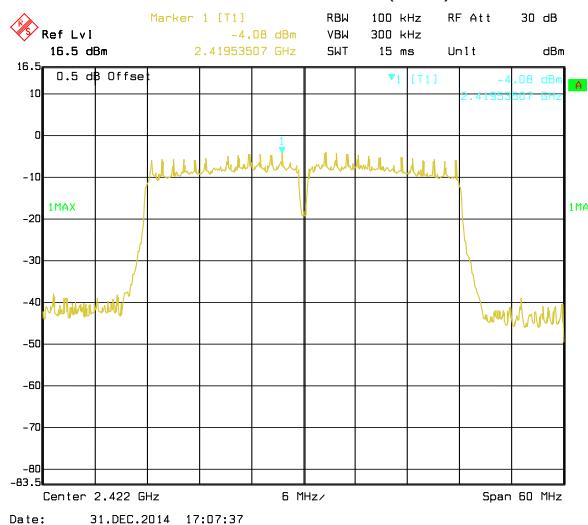


**Middle channel**

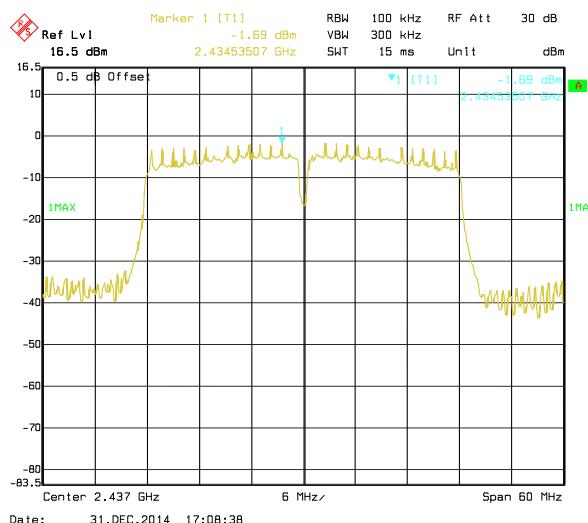


**Highest channel**

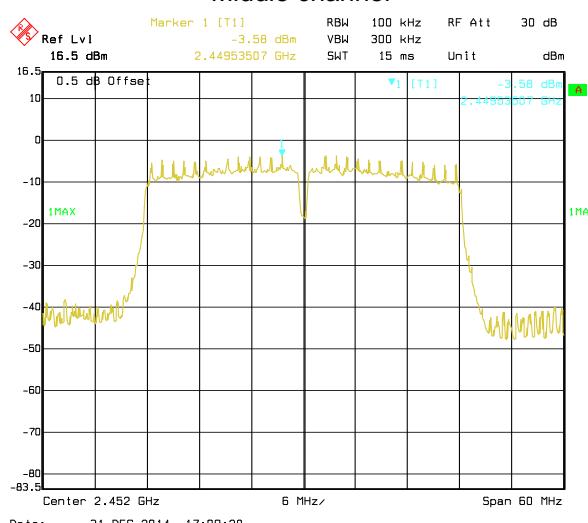
**Test mode: 802.11n(H40)**



**Lowest channel**



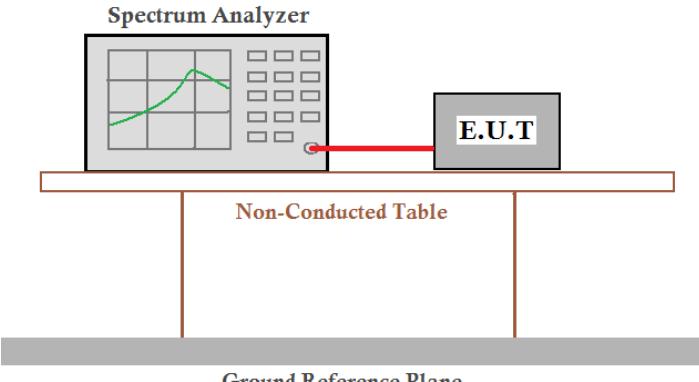
**Middle channel**



**Highest channel**

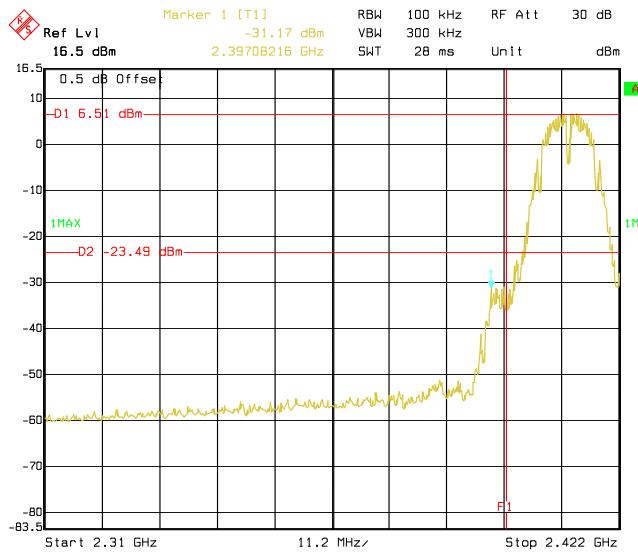
## 6.6 Band Edge

### 6.6.1 Conducted Emission Method

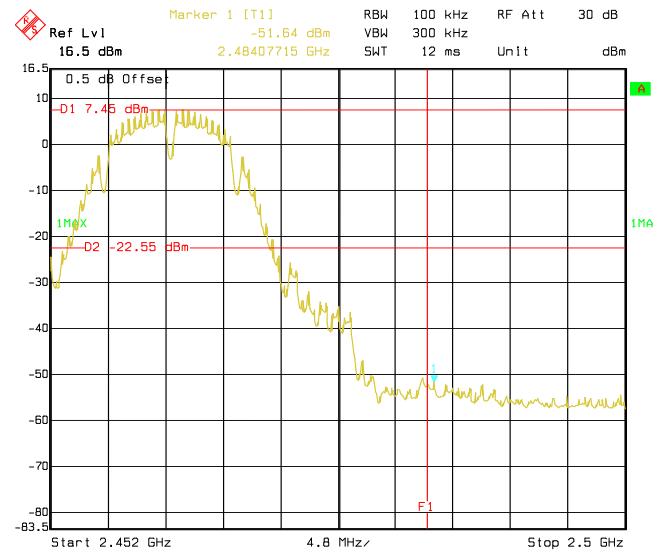
Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.4:2003 and KDB558074
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 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:	
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

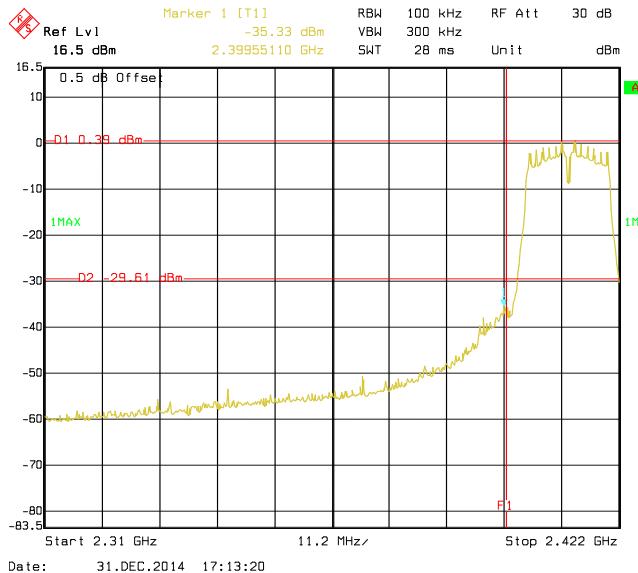


Lowest channel

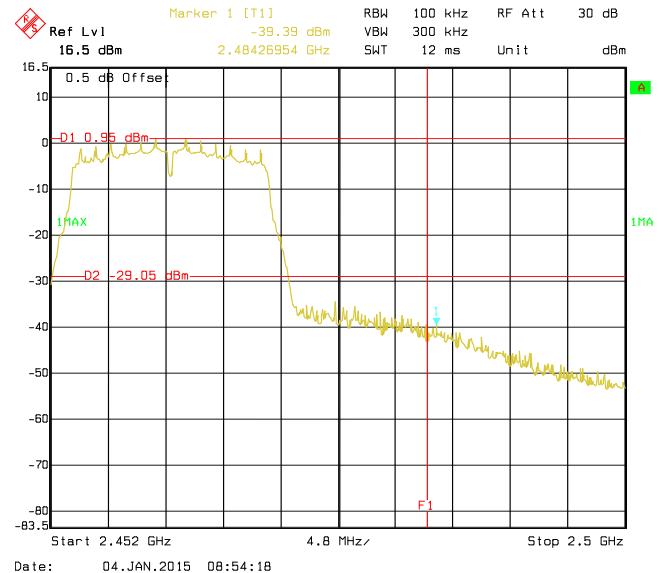


Highest channel

## 802.11g

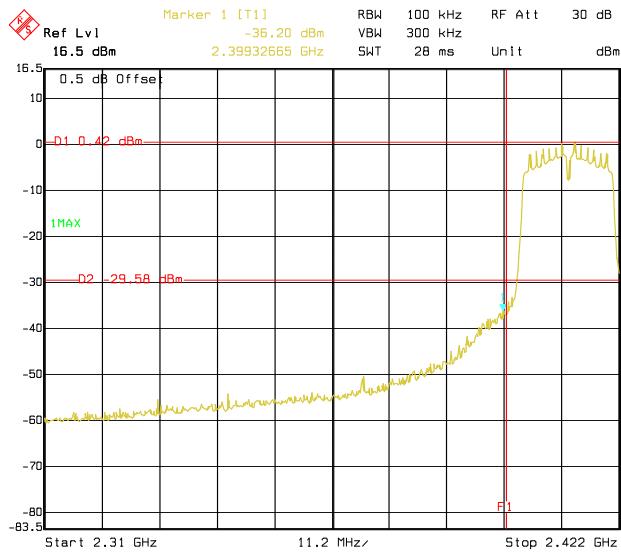


Lowest channel

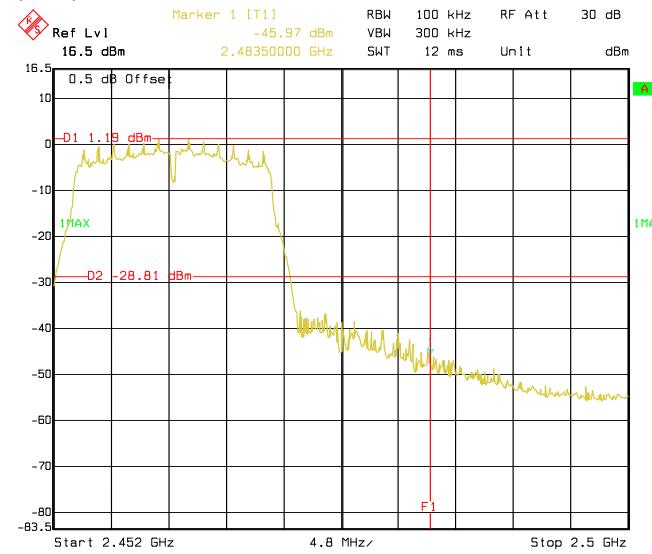


Highest channel

## 802.11n(H20)

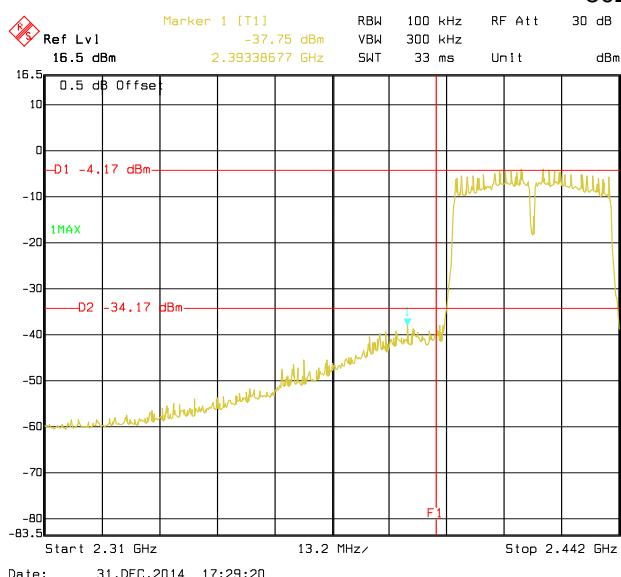


Lowest channel

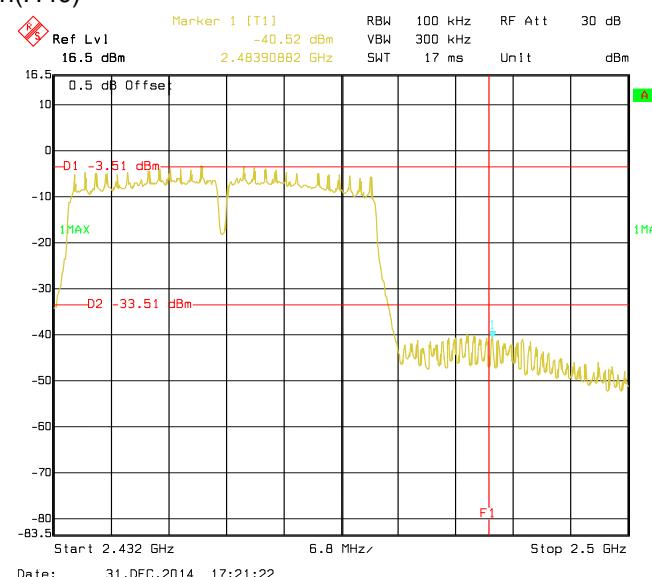


Highest channel

## 802.11n(H40)



Lowest channel



Highest channel