ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT

OF

UltraSlim Capactive Tablet

MODEL No.: PS47

FCC ID: ZJTPS47

REPORT NO: ES110413029F1

ISSUE DATE: July 4, 2011

Prepared for

PRECENO TECHNOLOGY PTE.LTD.
NO.10 Anson Road, #15-17/18, International Plaza, Singapore 079903

Prepared by

SHENZHEN EMTEK CO., LTD.

Bldg 69, Majialong Industry Zone, Nanshan District,
Shenzhen, Guangdong, China
TEL: 86-755-26954280
FAX: 86-755-26954282

VERIFICATION OF COMPLIANCE

Applicant:	PRECENO TECHNOLOGY PTE.LTD. NO.10 Anson Road, #15-17/18, International Plaza, Singapore 079903
Manufacturer:	PRECENO TECHNOLOGY PTE.LTD. NO.10 Anson Road, #15-17/18, International Plaza, Singapore 079903
Product Description:	UltraSlim Capactive Tablet
Model Number:	PS47
File Number:	ES110413029F1

We hereby certify that:

The above equipment was tested by SHENZHEN EMTEK CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2009) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.247.

The test results of this report relate only to the tested sample identified in this report.

Date of Test : July 1, 2011 to July 3, 2011

Prepared by : 
(Engineer)

Reviewer : 
(Quality Manager)

Approve & Authorized Signer : 
(Manager)

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1. General Information

1.1 Product Description

A major technical descriptions of EUT is described as following:

A). Standards: IEEE802.11b/g/n
B). Operation Frequency: 2412~2462MHz
C). Modulation: OFDM , 64QAM, 16QAM, QPSK , BPSK ,CCK, DQPSK, DBPSK
D). Number of Channel: 11
E). Data Rate (Max): 802.11b: 11 Mbps
802.11g: 54 Mbps
802.11n: 72.2 Mbps
F). Conducted Power: 18.00dBm(802.11b), 19.72dBm(802.11g), 19.04dBm(802.11n)
G) Antenna Gain: 2.7dBi
H). Antenna Type: Dipole Antenna
I). Power Supply: DC 5V with AC Adapter or DC 3.7V with battery
J). Adapter: Model 1: ADS-7.5MA-06 05008GPCU
Input: AC 100-240V, 50/60Hz, 0.3A
Output: DC 5.0V, 1.5A
Model 2: DSA-10CU-05 050150
Input: AC 100-240V, 50/60Hz, 0.5A
Output: DC 5.0V, 1.5A

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

Note:
1. This device is a UltraSlim Capactive Tablet included 802.11b, 802.11g and 802.11n 2.4GHz transceiver function.
2. Test of channel was included the lowest mid and highest frequency in highest data rate and to perform the test, then record on this report.

1.2 Related Submittal(s) / Grant(s)

This submittal(s) (test report) is intended for FCC ID: ZJTPS47 filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules. The composite system (receiver) is compliance with Subpart B is authorized under a DOC procedure.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2009). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Special Accessories

Not available for this EUT intended for grant.

1.5 Equipment Modifications

Not available for this EUT intended for grant.

1.6 Test Facility

Site Description

EMC Lab. : Accredited by CNAS, 2010.10.29
The certificate is valid until 2013.10.28
The Laboratory has been assessed and proved to be in compliance with CNAS/CL01: 2006(identical to ISO/IEC17025: 2005)
The Certificate Registration Number is L2291

Accredited by TUV Rheinland Shenzhen 2010.5.25
The Laboratory has been assessed according to the requirements ISO/IEC 17025

Accredited by FCC, October 28, 2010
The Certificate Registration Number is 406365.

Accredited by Industry Canada, March 05, 2010
The Certificate Registration Number is 46405-4480.

Name of Firm : SHENZHEN EMTEK CO., LTD.

Site Location : Bldg 69, Majialong Industry Zone,
Nanshan District, Shenzhen, Guangdong, China

2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The Transmitter was operated in the normal operating mode. the Tx frequency was fixed which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4-2009 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter(EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4-2009.

2.4 Configuration of Tested System

Fig. 2-1 Configuration of Tested System

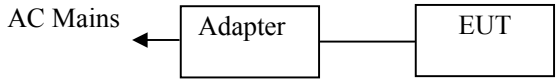


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
1.	UltraSlim Capactive Tablet	RUIXINWEI	PS47	ZJTPS47	N/A	EUT
2	Adapter	DVE	DSA-10CU-05 050150	N/A	N/A	
3	Adapter	Huntkey	ADS-7.5MA-06 05008GPCU	N/A	N/A	

Note:

(1) Unless otherwise denoted as EUT in『Remark』column, device(s) used in tested system is a support equipment.

3. Description of Test Modes

The Transmitter of EUT is a UltraSlim Capactive Tablet and powered by host equipment. The max data rates of this Digital Transmission system(DTS) are 11Mbps(802.11b), 54Mbps(802.11g)& 72.2Mbps(802.11n).
The equipment enables high-speed access without wires to network assets. This adapter uses the IEEE 802.11b/g/n protocol to enable wireless communications between the host UltraSlim Capactive Tablet and Wireless rooter, in the same way that the UltraSlim Capactive Tablet would use an Ethernet adapter.

1. For lowest channel : 2412MHz (Channel 1)
2. For middle channel : 2437MHz (Channel 6)
3. For highest channel: 2462MHz (Channel 11)

EUT operating conditions:
The EUT exercise program used during conducted testing was designed to exercise the EUT in a manner similar to typical use, The exercise sequence is listed as below:
1. Setup the EUT and simulators as shown on 2.4.
2. Turn on the power of all equipments.
3. The EUT Ping with the wireless router.
4. Repeat the above steps.

4. Summary of Test Results

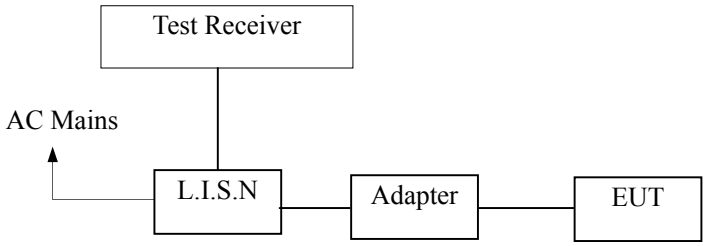
FCC Rules	Description Of Test	Result
§15.247(a)(2)	6dB bandwidth	Compliant
§15.247(b)(3)	Max Peak output Power test	Compliant
§15.247(e)	Power density	Compliant
§15.247(d)	Band edge test	Compliant
§15.207	AC Power Conducted Emission	Compliant
§15.247(d), §15.209	Radiated Emission	Compliant
§15.203	Antenna Port Emission	Compliant
§15.109	Antenna Application	Compliant

5. Conducted Emissions Test

5.1 Measurement Procedure

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

5.2 Test SET-UP (Block Diagram of Configuration)



5.3 Measurement Equipment Used

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Test Receiver	Rohde & Schwarz	ESCS30	828985/018	05/29/2011	05/29/2012
L.I.S.N.	Schwarzbeck	NNLK8129	8129203	05/29/2011	05/29/2012
50Ω Coaxial Switch	Anritsu	MP59B	M20531	N/A	N/A
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	05/29/2011	05/29/2012
Voltage Probe	Rohde & Schwarz	TK9416	N/A	05/29/2011	05/29/2012
I.S.N	Rohde & Schwarz	ENY22	1109.9508.02	05/29/2011	05/29/2012

5.4 Conducted Emission Limit

Conducted Emission

Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.5 Measurement Result

Date of Test:	July 1, 2011	Temperature:	22℃
Frequency Detector:	0.15~30MHz	Humidity:	50%
Test Result:	PASS	Test Mode:	WIFI Mode
Adapter Model1:	ASD-7.5MA-06 05008GPCU		

Test Line	Frequency MHz	Emission Level QP dB(μV)	Emission Level AV dB(μV)	Limits QP dB(μV)	Limits AV dB(μV)	Over QP dB(μV)	Over AV dB(μV)
Neutral	0.1950	48.20	43.02	63.82	53.82	-15.62	-10.80
	0.2908	38.36	31.34	60.5	50.5	-22.15	-19.17
	0.4850	41.10	34.69	56.25	46.25	-15.15	-11.56
	5.0450	38.07	35.21	56	46	-17.93	-10.79
	8.4400	40.76	37.50	56	46	-15.24	-8.50
	10.9900	42.45	36.41	56	46	-13.55	-9.59
Line	0.1950	46.70	42.52	63.82	53.82	-17.12	-11.30
	0.2900	41.29	34.34	60.52	50.52	-19.24	-16.19
	0.4850	40.10	34.19	56.25	46.25	-16.15	-12.06
	5.1200	36.94	33.02	56	46	-19.06	-12.98
	7.4700	41.55	35.87	56	46	-14.45	-10.13
	10.6000	43.92	41.68	56	46	-12.08	-4.32

Date of Test:	July 1, 2011	Temperature:	22℃
Frequency Detector:	0.15~30MHz	Humidity:	50%
Test Result:	PASS	Test Mode:	WIFI Mode
Adapter Model 2:	DSA-10CU-05 050150		

Test Line	Frequency MHz	Emission Level QP dB(μV)	Emission Level AV dB(μV)	Limits QP dB(μV)	Limits AV dB(μV)	Over QP dB(μV)	Over AV dB(μV)
Neutral	0.1950	50.30	45.12	63.82	53.82	-13.52	-8.70
	0.2908	37.28	30.26	60.5	50.5	-23.22	-20.24
	0.4850	40.18	33.77	56.25	46.25	-16.08	-12.49
	7.0350	40.06	37.20	56	46	-15.94	-8.80
	9.1900	41.51	38.25	56	46	-14.49	-7.75
	10.9500	42.41	36.37	56	46	-13.59	-9.63
Line	0.1950	48.80	44.62	63.82	53.82	-15.02	-9.20
	0.2900	40.21	33.26	60.52	50.52	-20.31	-17.26
	0.4850	39.18	33.27	56.25	46.25	-17.08	-12.99
	7.1100	38.93	35.01	56	46	-17.07	-10.99
	8.2200	42.30	36.62	56	46	-13.70	-9.38
	10.5600	43.88	41.64	56	46	-12.12	-4.36

5.6 Conducted Measurement Photo

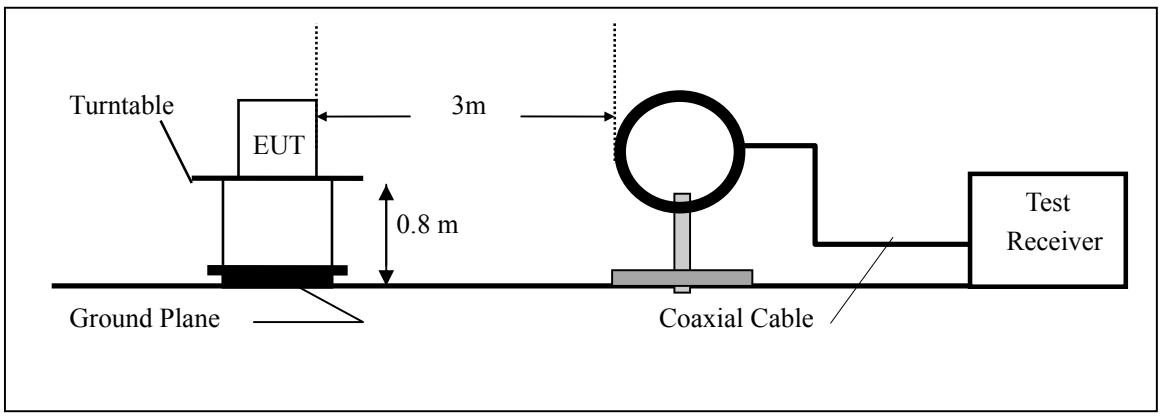
6. Radiated Emission Test

6.1 Measurement Procedure

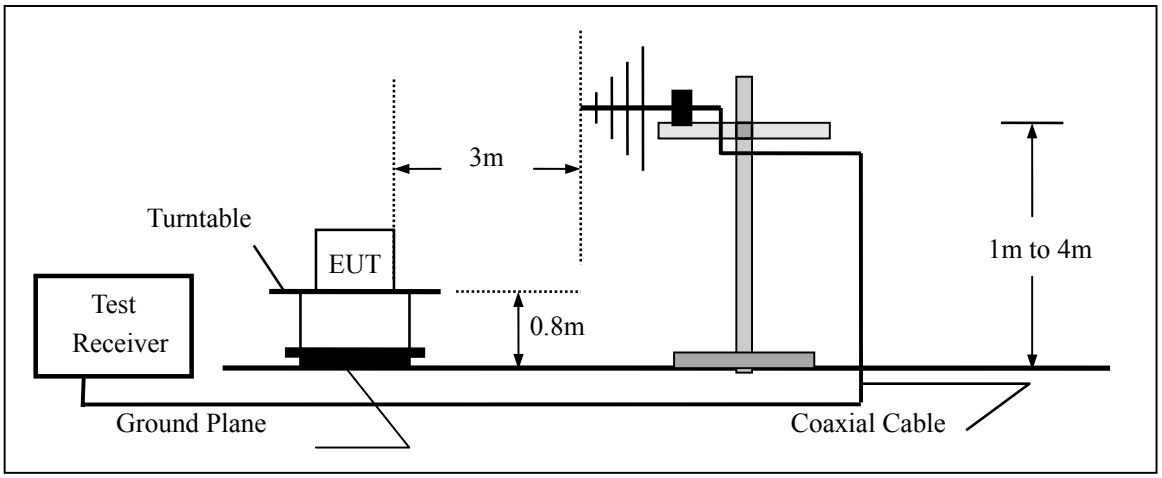
1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.

6.2 Test SET-UP (Block Diagram of Configuration)

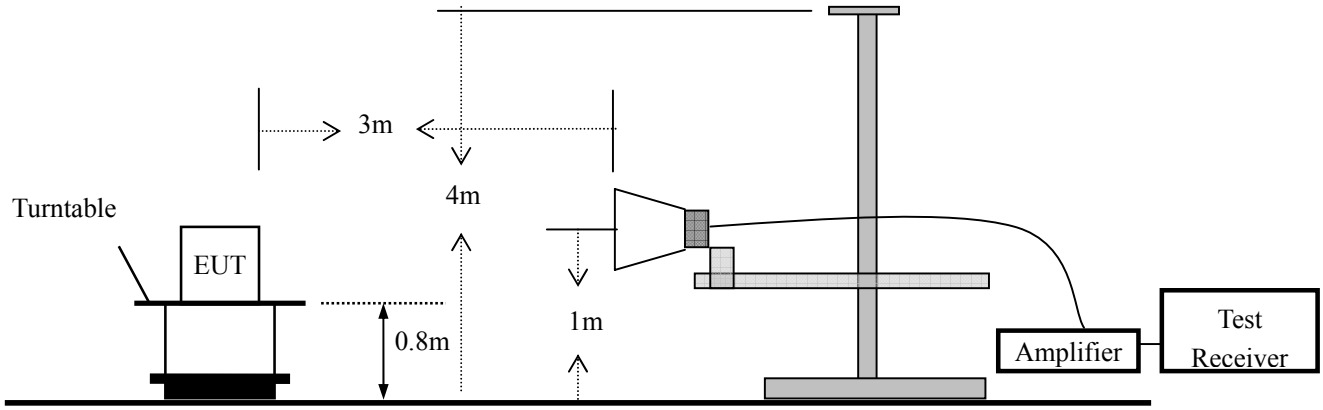
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



6.3 Measurement Equipment Used

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Pre-Amplifier	HP	8447D	2944A07999	05/29/2011	05/29/2012
Bilog Antenna	Schwarzbeck	VULB9163	142	05/29/2011	05/29/2012
Loop Antenna	ARA	PLA-1030/B	1029	05/29/2011	05/29/2012
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	05/29/2011	05/29/2012
Horn Antenna	Schwarzbeck	BBHA 9120	D143	05/29/2011	05/29/2012
Cable	Schwarzbeck	AK9513	ACRX1	05/29/2011	05/29/2012
Cable	Rosenberger	N/A	FP2RX2	05/29/2011	05/29/2012
Cable	Schwarzbeck	AK9513	CRPX1	05/29/2011	05/29/2012
Cable	Schwarzbeck	AK9513	CRRX2	05/29/2011	05/29/2012
Pre-Amplifier	HP	8447D	2944A07999	05/29/2011	05/29/2012

6.4 Radiated Emission Limit

FCC Class B Limit at 3m:

Frequency	Distance	Field Strength	
MHz	Meter	uV/m	dBuV/m
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960-1000	3	500	54.0
Above 1000	3	74(peak), 54(AVG)	

Note: The frequencies above 1000MHz, as measured using instrumentation with a peak detector function was corresponding to 20dB above maximum permitted average limit.

6.5 Measurement Result

We take EUT with two adapters to test, and the worst test data as following:

Operation Mode:	802.11b TX Channel 1	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
192.46	V	26.42	43.5	-17.08	PK
211.82	V	30.47	43.5	-13.03	PK
397.61	V	34.39	46	-11.61	PK
446.57	V	30.99	46	-15.01	PK
603.21	V	31.61	46	-14.39	PK
665.54	V	32.84	46	-13.16	PK
171.58	H	32.96	43.5	-10.54	PK
213.42	H	34.02	43.5	-9.48	PK
379.16	H	37.75	46	-8.25	PK
397.12	H	38.87	46	-7.13	PK
420.22	H	39.18	46	-6.82	PK
445.12	H	39.28	46	-6.72	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11b TX Channel 6	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
145.62	V	25.41	43.5	-18.09	PK
211.71	V	30.54	43.5	-12.96	PK
355.94	V	32.32	46	-13.68	PK
399.13	V	34.93	46	-11.07	PK
447.23	V	33.69	46	-12.31	PK
668.81	V	34.02	46	-11.98	PK
199.87	H	32.68	43.5	-10.83	PK
213.54	H	36.79	43.5	-6.71	PK
219.14	H	35.02	46	-8.48	PK
379.37	H	37.50	46	-8.50	PK
398.97	H	41.85	46	-4.15	PK
449.18	H	35.37	46	-10.63	449.18

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11b TX Channel 11	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
146.17	V	24.51	43.5	-18.99	PK
210.76	V	29.52	43.5	-13.98	PK
354.66	V	31.42	46	-14.58	PK
397.23	V	32.42	46	-13.58	PK
446.21	V	30.53	46	-15.47	PK
664.58	V	32.16	46	-13.84	PK
199.54	H	32.45	43.5	-11.06	PK
213.20	H	35.66	43.5	-7.84	PK
221.02	H	36.27	46	-7.23	PK
378.26	H	38.15	46	-7.85	PK
397.47	H	42.72	46	-3.28	PK
447.55	H	36.38	46	-9.62	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11g TX Channel 1	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
193.57	V	26.52	43.5	-16.98	PK
210.51	V	30.17	43.5	-13.33	PK
397.06	V	33.28	46	-12.72	PK
448.26	V	30.35	46	-15.65	PK
603.12	V	31.87	46	-14.13	PK
665.11	V	32.82	46	-13.18	PK
176.60	H	34.64	43.5	-8.87	PK
212.44	H	32.72	43.5	-10.78	PK
378.02	H	38.86	46	-4.64	PK
397.28	H	40.62	46	-5.38	PK
422.43	H	41.21	46	-4.79	PK
447.97	H	35.39	46	-10.61	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11g TX Channel 6	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65%
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
193.61	V	25.42	43.5	-18.08	PK
210.77	V	30.65	43.5	-12.85	PK
397.64	V	34.13	46	-11.87	PK
447.86	V	31.04	46	-14.96	PK
603.13	V	31.21	46	-14.79	PK
664.94	V	32.27	46	-13.73	PK
177.60	H	33.35	43.5	-10.16	PK
213.61	H	32.52	43.5	-10.98	PK
379.13	H	38.66	46	-4.84	PK
397.05	H	40.57	46	-5.43	PK
421.69	H	39.78	46	-6.22	PK
446.51	H	36.60	46	-9.40	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11g TX Channel 11	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
192.46	V	26.42	43.5	-17.08	PK
211.82	V	30.47	43.5	-13.03	PK
397.61	V	34.39	46	-11.61	PK
446.57	V	30.99	46	-15.01	PK
603.21	V	31.61	46	-14.39	PK
665.54	V	32.84	46	-13.16	PK
177.60	H	34.99	43.5	-8.52	PK
215.27	H	34.07	43.5	-9.43	PK
378.91	H	38.80	46	-4.70	PK
397.15	H	40.60	46	-5.40	PK
422.47	H	41.11	46	-4.89	PK
447.94	H	36.93	46	-9.07	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11n TX Channel 1	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
147.47	V	25.71	43.5	-17.79	PK
210.76	V	29.52	43.5	-13.98	PK
354.66	V	31.42	46	-14.58	PK
397.23	V	32.42	46	-13.58	PK
446.21	V	30.53	46	-15.47	PK
664.58	V	32.16	46	-13.84	PK
194.82	H	31.62	43.5	-11.88	PK
211.35	H	35.61	43.5	-7.89	PK
221.27	H	35.22	46	-8.28	PK
378.23	H	36.42	46	-9.58	PK
395.22	H	40.79	46	-5.21	PK
444.73	H	38.73	46	-7.27	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11n TX Channel 6	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
193.76	V	27.62	43.5	-15.88	PK
211.82	V	30.47	43.5	-13.03	PK
397.61	V	34.39	46	-11.61	PK
446.57	V	30.99	46	-15.01	PK
603.21	V	31.61	46	-14.39	PK
665.54	V	32.84	46	-13.16	PK
172.88	H	34.16	43.5	-9.34	PK
213.42	H	34.02	43.5	-9.48	PK
379.16	H	37.75	46	-8.25	PK
397.12	H	38.87	46	-7.13	PK
420.22	H	39.18	46	-6.82	PK
445.12	H	39.28	46	-6.72	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11n TX Channel 11	Test Date :	July 1, 2011
Frequency Range:	30~1000MHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level (dBuV)	Limit 3m (dBuV/m)	Over (dB)	Note
146.92	V	26.61	43.5	-16.89	PK
211.71	V	30.54	43.5	-12.96	PK
355.94	V	32.32	46	-13.68	PK
399.13	V	34.93	46	-11.07	PK
447.23	V	33.69	46	-12.31	PK
668.81	V	34.02	46	-11.98	PK
195.15	H	31.85	43.5	-11.65	PK
211.69	H	36.74	43.5	-6.76	PK
219.39	H	33.97	46	-9.53	PK
379.34	H	35.77	46	-10.23	PK
396.72	H	39.92	46	-6.08	PK
446.36	H	37.72	46	-8.28	PK

Note: (1) All Readings are Peak Value.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) The average measurement was not performed when the peak measured data under the limit of average detection.

Operation Mode:	802.11b TX Channel 1	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
5194.29	V	53.52	45.38	74	54	-20.48	-8.62
9511.93	V	58.32	47.65	74	54	-15.68	-6.35
9831.14	V	53.82	44.14	74	54	-20.18	-9.86
5211.16	H	54.79	44.95	74	54	-19.21	-9.05
9892.22	H	55.59	46.71	74	54	-18.41	-7.29

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode:	802.11b TX (Channel 6)	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
9865.59	V	52.94	41.66	74	54	-21.06	-12.34
10908.93	V	54.72	44.22	74	54	-19.28	-9.78
5185.61	H	54.97	46.42	74	54	-19.03	-7.58
5556.46	H	53.67	44.89	74	54	-20.33	-9.11
9661.96	H	54.36	46.85	74	54	-19.64	-7.15

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode:	802.11b TX (Channel 11)	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
5232.56	V	57.16	45.61	74	54	-16.84	-8.39
7267.16	V	58.74	48.43	74	54	-15.26	-5.57
8689.39	V	54.37	45.42	74	54	-19.63	-8.58
9940.36	V	50.36	41.11	74	54	-23.64	-12.89
7830.66	H	58.51	47.87	74	54	-15.49	-6.13
10022.71	H	53.82	41.72	74	54	-20.18	-12.28

No others harmonics emissions are higher than 20dB below the limits of 47 CFR Part 15.247.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode:	802.11g TX Channel 1	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
5233.96	V	58.16	46.61	74	54	-15.84	-7.39
7272.96	V	60.74	50.43	74	54	-13.26	-3.57
8699.39	V	52.97	44.02	74	54	-21.03	-9.98
9948.98	V	50.46	41.21	74	54	-23.54	-12.79
7830.66	H	58.51	47.87	74	54	-15.49	-6.13
10022.71	H	55.72	43.62	74	54	-18.28	-10.38

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode:	802.11g TX (Channel 6)	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
9805.02	V	49.62	38.74	74	54	-24.38	-15.26
10855.73	V	57.63	44.96	74	54	-16.37	-9.04
11708.72	V	52.85	39.07	74	54	-21.15	-14.93
7709.74	H	45.63	35.83	74	54	-28.37	-18.17
9785.94	H	53.54	42.56	74	54	-20.46	-11.44
11269.77	H	50.67	40.44	74	54	-23.33	-13.56

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode:	802.11g TX (Channel 11)	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
5233.64	V	53.71	45.77	74	54	-20.29	-8.23
9859.05	V	59.85	50.33	74	54	-14.15	-3.67
10804.30	V	49.05	40.63	74	54	-24.95	-13.37
5174.46	H	55.61	44.89	74	54	-18.39	-9.11
7172.63	H	58.43	48.55	74	54	-15.57	-5.45
9970.37	H	52.97	41.95	74	54	-21.03	-12.05

No others harmonics emissions are higher than 20dB below the limits of 47 CFR Part 15.247.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode:	802.11n TX Channel 1	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
5189.89	V	54.22	46.08	74	54	-19.78	-7.92
9517.13	V	53.92	43.25	74	54	-20.08	-10.75
9839.94	V	57.22	47.54	74	54	-16.78	-6.46
5217.08	H	55.79	45.95	74	54	-18.21	-8.05
9883.62	H	53.19	44.31	74	54	-20.81	-9.69

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

Operation Mode:	802.11n TX (Channel 6)	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
9861.19	V	53.64	42.36	74	54	-20.36	-11.64
10914.13	V	50.32	39.82	74	54	-23.68	-14.18
5194.41	H	58.37	49.82	74	54	-15.63	-4.18
5562.38	H	54.67	45.89	74	54	-19.33	-8.11
9653.36	H	51.96	44.45	74	54	-22.04	-9.55

All emissions not reported were more than 20dB below the specified limit or in the noise floor.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

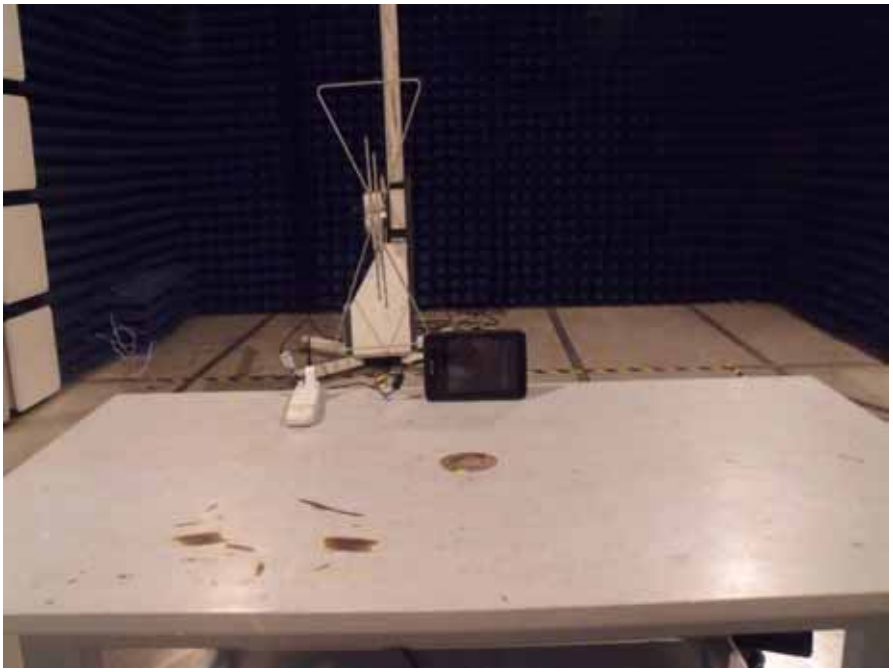
Operation Mode:	802.11n TX (Channel 11)	Test Date :	July 1, 2011
Frequency Range:	Above 1GHz	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %
Measured Distance:	3m	Test By:	WOLF

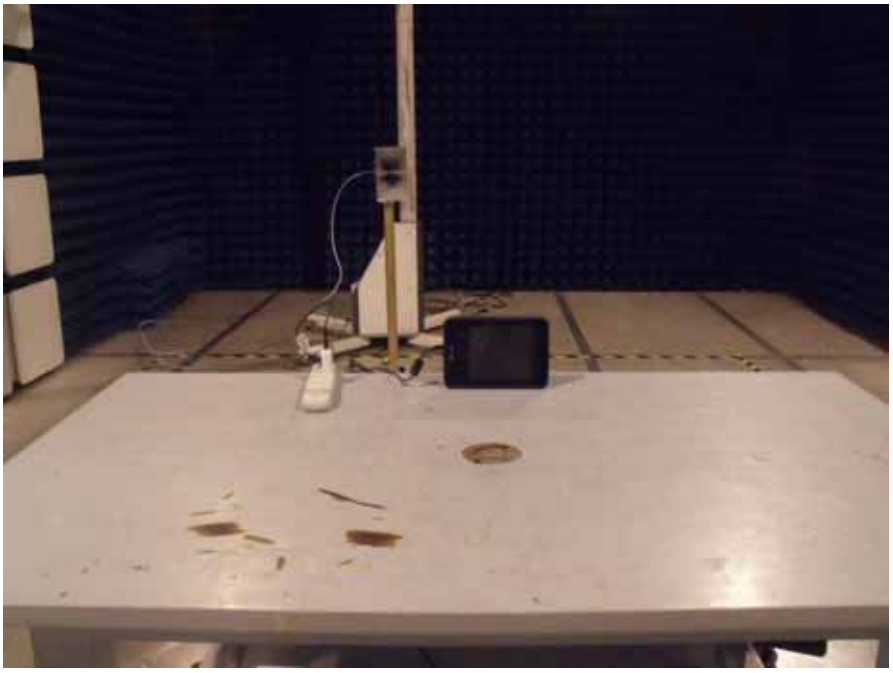
Freq.	Ant.Pol.	Emission Level(dBuV)		Limit 3m(dBuV/m)		Over(dB)	
(MHz)	H/V	PK	AV	PK	AV	PK	AV
5228.16	V	57.86	46.31	74	54	-16.14	-7.69
7272.36	V	54.34	44.03	74	54	-19.66	-9.97
8698.19	V	57.77	48.82	74	54	-16.23	-5.18
9946.28	V	51.36	42.11	74	54	-22.64	-11.89
7822.06	H	56.11	45.47	74	54	-17.89	-8.53
10015.71	H	60.32	48.22	74	54	-13.68	-5.78

No others harmonics emissions are higher than 20dB below the limits of 47 CFR Part 15.247.

Note: (1) All Readings are Peak Value and AV.
(2) Emission Level= Reading Level+Probe Factor +Cable Loss.
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

6.6 Radiated Measurement Photos



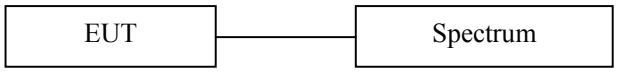


7. Occupied Bandwidth Test

7.1 Measurement Procedure

The EUT was operating in IEEE 802.11b/g/n mode or could be controlled its channel. Printed out the test result from the spectrum by hard copy function.

7.2 Test SET-UP (Block Diagram of Configuration)



7.3 Measurement Equipment Used

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	Rohde & Schwarz	ESCI	101045	05/29/2011	05/29/2012

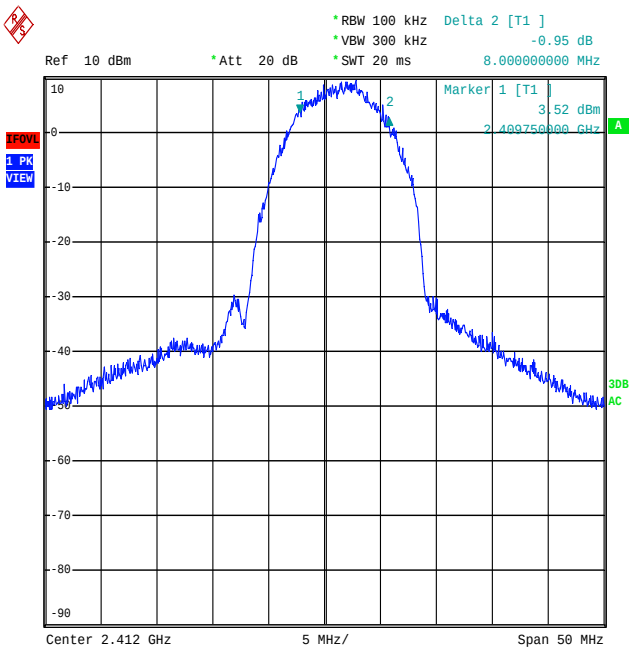
7.4 Measurement Results

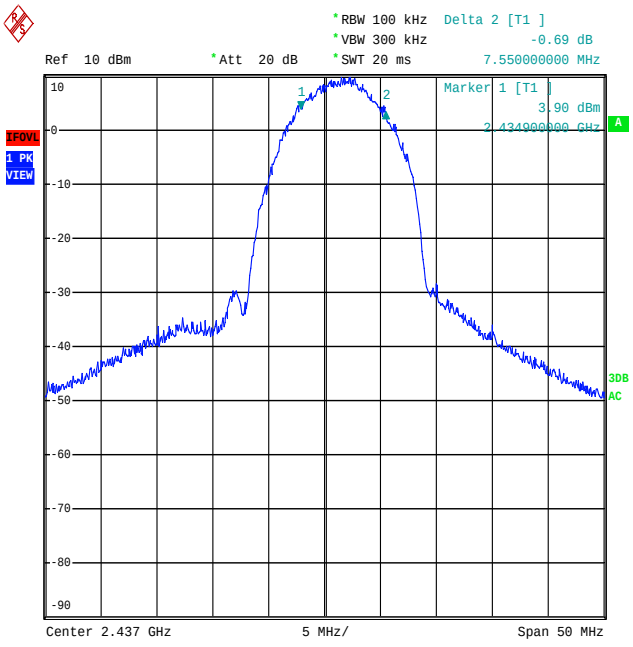
6dB Bandwidth Test Data Chart:
Refer to attached data chart.

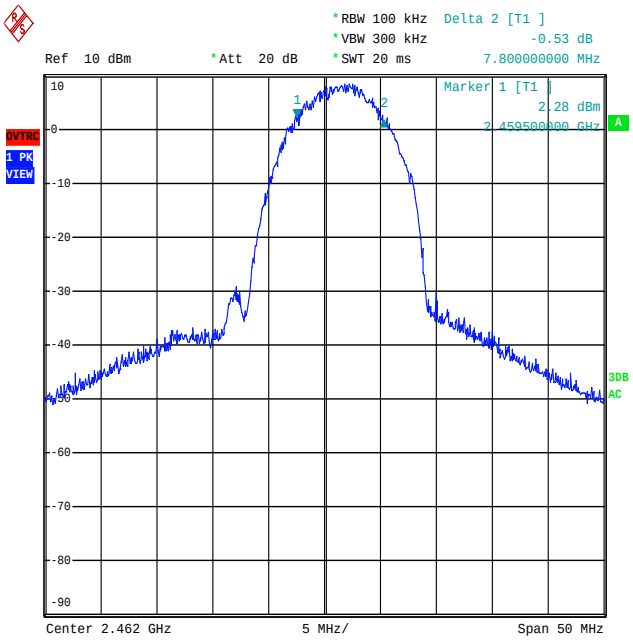
Spectrum Detector:	PK	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %

Operation Mode: 802.11b

Channel number	Channel frequency (MHz)	Measurement level (MHz)	Required Limit (kHz)
1	2412	8.00	>500
6	2437	7.55	>500
11	2462	7.80	>500


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
Delta 2 [T1]
-0.95 dB
8.000000000 MHz
Ref 10 dBm
Att 20 dB
Marker 1 [T1]
3.52 dBm
2.409750000 GHz
IFOVL
1 PK
VIEW
3DB
AC
Center 2.412 GHz
5 MHz/
Span 50 MHz

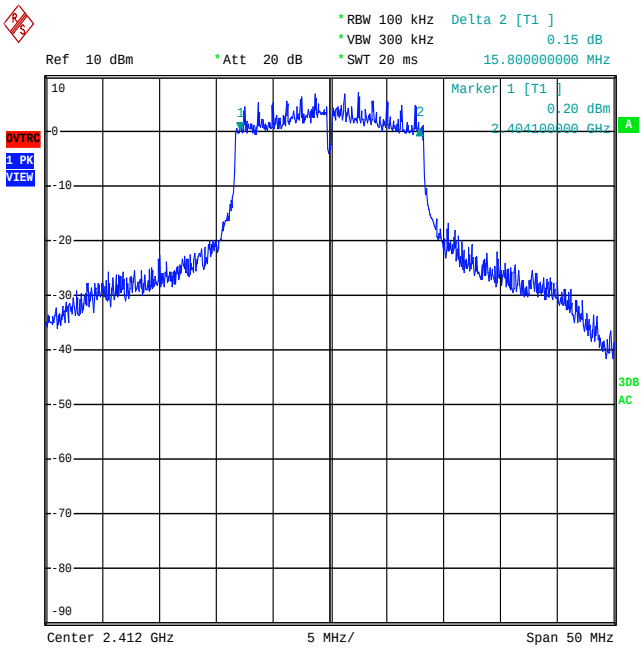

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
Delta 2 [T1]
-0.69 dB
7.550000000 MHz
Ref 10 dBm
Att 20 dB
Marker 1 [T1]
3.90 dBm
2.434900000 GHz
IFOVL
1 PK
VIEW
3DB
AC
Center 2.437 GHz
5 MHz/
Span 50 MHz

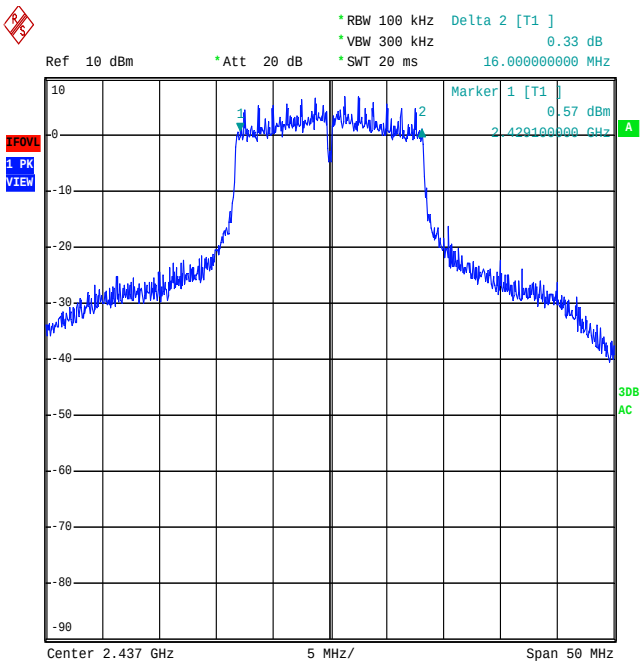

*RBW 100 kHz
Delta 2 [T1]
*VBW 300 kHz
-0.53 dB
Ref 10 dBm
*Att 20 dB
*SWT 20 ms
7.800000000 MHz
Marker 1 [T1]
2.28 dBm
2.459500000 GHz
OVTRC
1 PK VIEW
A
3DB AC
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
Center 2.462 GHz
5 MHz/
Span 50 MHz

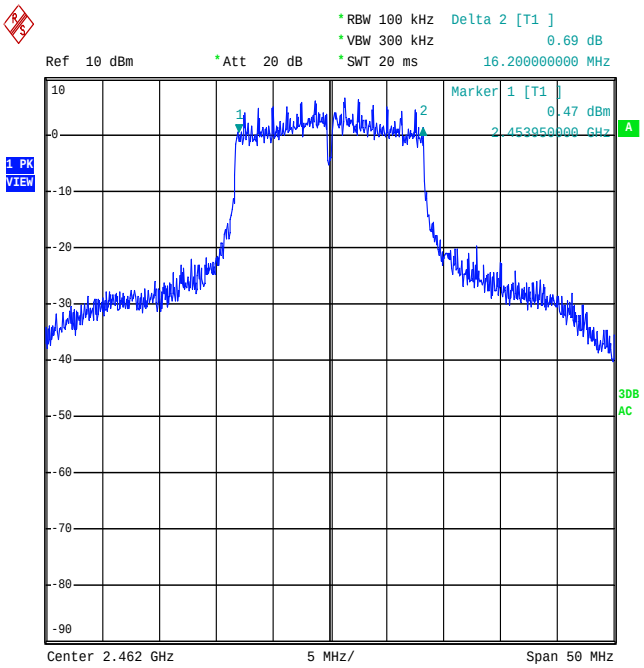
Spectrum Detector:	PK	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %

Operation Mode: 802.11 g

Channel number	Channel frequency (MHz)	Measurement level (MHz)	Required Limit (kHz)
1	2412	15.80	>500
6	2437	16.00	>500
11	2462	16.20	>500



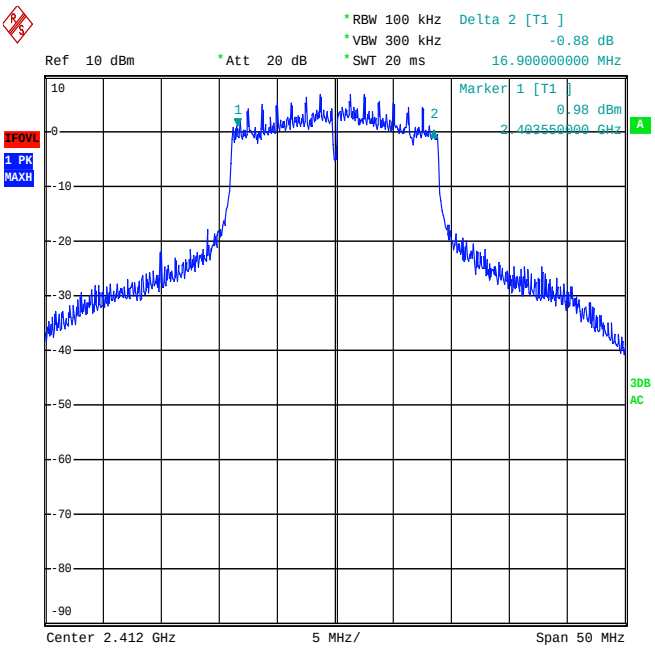

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
Delta 2 [T1]
0.33 dB
16.000000000 MHz
Ref 10 dBm
Att 20 dB
Marker 1 [T1]
0.57 dBm
2.429100000 GHz
IFOVL
1 PK
VIEW
3DB
AC
Center 2.437 GHz
5 MHz/
Span 50 MHz

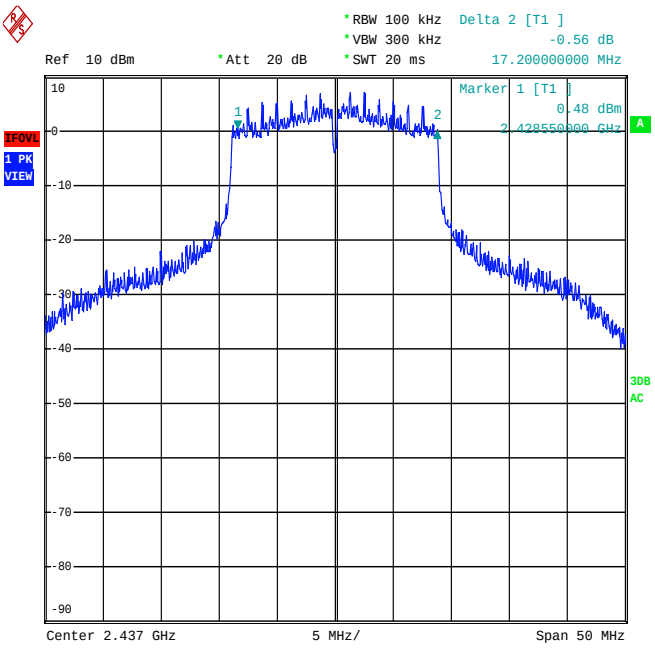

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
Delta 2 [T1]
0.69 dB
16.200000000 MHz
Ref 10 dBm
Att 20 dB
Marker 1 [T1]
0.47 dBm
2.453950000 GHz
1 PK
VIEW
3DB
AC
Center 2.462 GHz
5 MHz/
Span 50 MHz

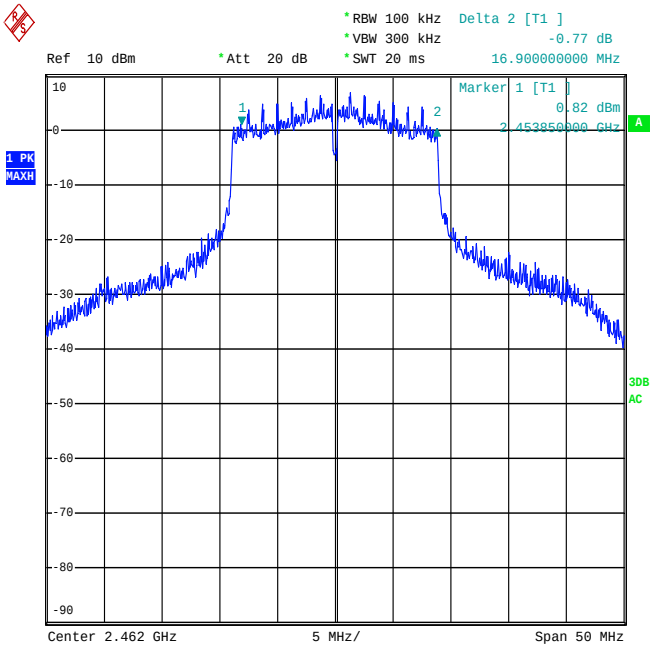
Spectrum Detector:	PK	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %

Operation Mode: 802.11 n

Channel number	Channel frequency (MHz)	Measurement level (MHz)	Required Limit (kHz)
1	2412	16.90	>500
6	2437	17.20	>500
11	2462	16.90	>500




*RBW 100 kHz
*VBW 300 kHz
*SWT 20 ms
Delta 2 [T1]
-0.56 dB
17.200000000 MHz
Ref 10 dBm
*Att 20 dB
Marker 1 [T1]
0.48 dBm
2.428550000 GHz
IFOVL
1 PK
VIEW
3DB
AC
Center 2.437 GHz
5 MHz/
Span 50 MHz

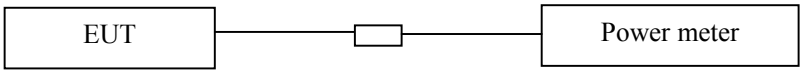

*RBW 100 kHz
*VBW 300 kHz
*SWT 20 ms
Delta 2 [T1]
-0.77 dB
16.900000000 MHz
Ref 10 dBm
*Att 20 dB
Marker 1 [T1]
0.82 dBm
2.453850000 GHz
1 PK
MAXH
3DB
AC
Center 2.462 GHz
5 MHz/
Span 50 MHz

8. Maximum Peak Output Power Test

8.1 Measurement Procedure

a. The Transmitter output (antenna port) was connected to the power meter.
b. Turn on the EUT and power meter and then record the peak power value.
c. Repeat above procedures on all channels needed to be tested.

8.2 Test SET-UP (Block Diagram of Configuration)



8.3 Measurement Equipment Used

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power meter	Boonton	4232A	29001	05/29/2011	05/29/2012
Power sensor	Boonton	51011-EMC	31184	05/29/2011	05/29/2012

8.4 Peak Power output limit

The maximum peak power shall be less 1Watt.

8.5 Measurement Results

Spectrum Detector:	PK	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %

Operation Mode: 802.11b

Channel number	Channel Frequency(MHz)	Peak Power output(dBm)	Peak Power Limit(W)	Pass/Fail
1	2412.00	18.00	1W(30dBm)	PASS
6	2437.00	17.64	1W(30dBm)	PASS
11	2462.00	16.91	1W(30dBm)	PASS

Spectrum Detector:	PK	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %

Operation Mode: 802.11g

Channel number	Channel Frequency (MHz)	Peak Power output(dBm)	Peak Power Limit(W)	Pass/Fail
1	2412.00	19.72	1W(30dBm)	PASS
6	2437.00	19.65	1W(30dBm)	PASS
11	2462.00	19.26	1W(30dBm)	PASS

Spectrum Detector:	PK	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %

Operation Mode: 802.11n

Channel number	Channel Frequency (MHz)	Peak Power output(dBm)	Peak Power Limit(W)	Pass/Fail
1	2412.00	19.04	1W(30dBm)	PASS
6	2437.00	19.01	1W(30dBm)	PASS
11	2462.00	18.48	1W(30dBm)	PASS

9. Band Edge Test

9.1 Measurement Procedure

1. The EUT was Operating in hopping mode or could be controlled its channel. Printed out test result from the spectrum by hard copy function.
2. The EUT was placed on a turn table which is 0.8m above ground plane.
3. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
4. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
5. Repeat above procedures until all frequency measured were complete.

9.2 Test SET-UP (Block Diagram of Configuration)

As 6.2 Test set up (B) and (C)

9.3 Measurement Equipment Used

Same as 6.3 Radiated Emission Measurement.

9.4 Measurement Results

Spectrum Detector:	PK/AV	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28 ℃
Test channel:	01	Humidity :	65 %

Frequency (MHz)	Polarity	Level (dBuV/m)		Limited (dBuV/m)	
		PK	AV	PK	AV
2385.89	H	47.56	36.35	74	54
2384.56	V	46.62	34.52	74	54

Spectrum Detector:	PK/AV	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28 ℃
Test channel:	11	Humidity :	65 %

Frequency (MHz)	Polarity	Level (dBuV/m)		Limited (dBuV/m)	
		PK	AV	PK	AV
2484.54	H	52.24	40.42	74	54
2483.75	V	50.65	39.53	74	54

10. Power Density

10.1 Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	Rohde & Schwarz	ESCI	101045	05/29/2011	05/29/2012

10.2 Measuring Instruments and Setting

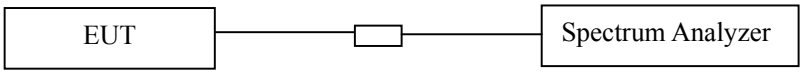
The following table is the setting of spectrum analyzer.

Spectrum analyzer	Setting
Attenuation	Auto
Span Frequency	300kHz
RB	3kHz
VB	10kHz
Detector	Peak
Trace	Max hold
Sweep Time	100s

10.3 Test Procedures

a. The transmitter output (antenna port) was connected to the spectrum analyzer.
b. Set RBW of spectrum analyzer to 3kHz and VBW to 30kHz, Set Detector to Peak, Trace to Max Hold.
c. Mark the frequency with maximum peak power as the center of the display of the spectrum.
d. Set the span to 300kHz and the sweep time to 100s and record the maximum peak value.

10.4 Block Diagram of Test Setup



10.5 Limit

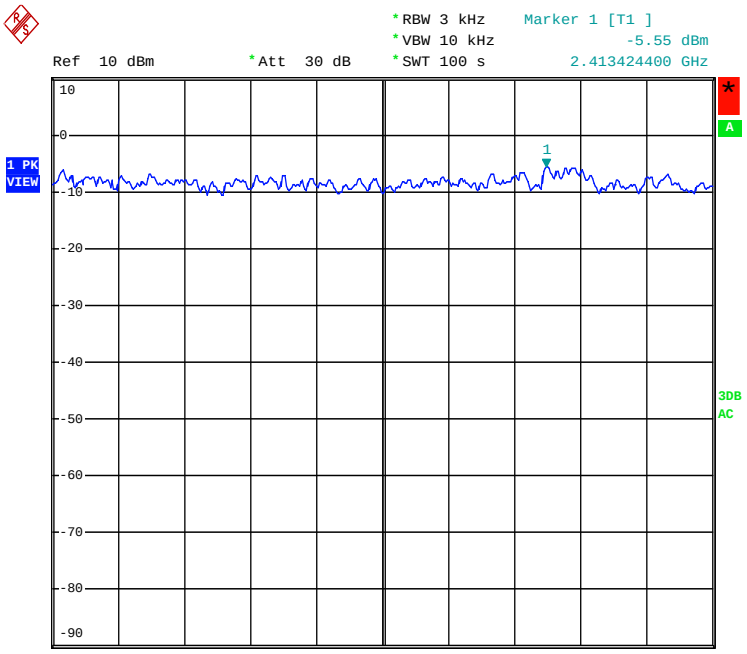
The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

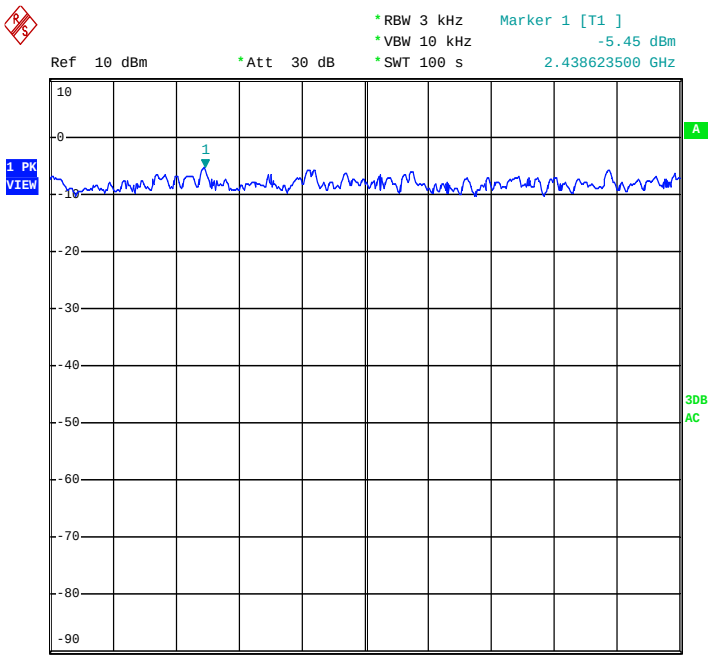
10.6 Test Result

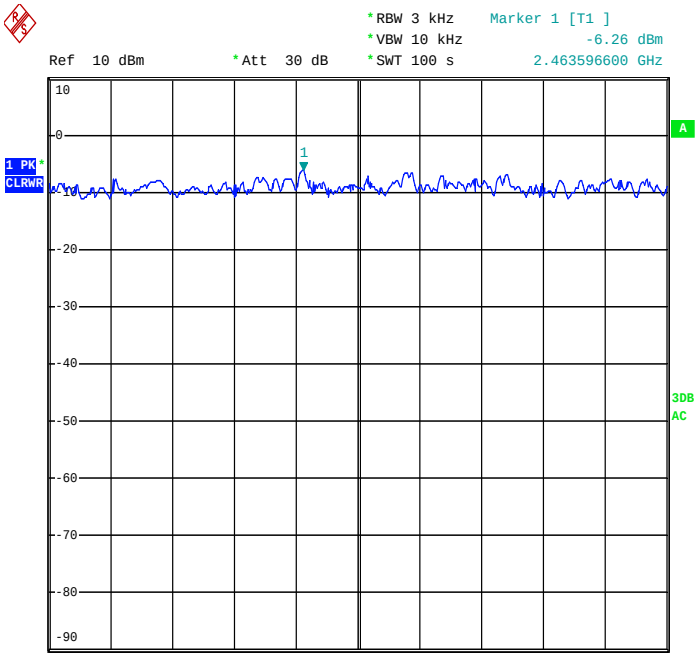
Spectrum Detector:	PK	Test Date :	July 1, 2011
Test By:	Joe	Temperature :	28℃
Test Result:	PASS	Humidity :	65 %

Operation Mode: 802.11 b

Channel	Measurement Level (dBm)	Required Limit (dBm)	Result
1	-5.55	<8dBm	PASS
6	-5.45	<8dBm	PASS
11	-6.26	<8dBm	PASS

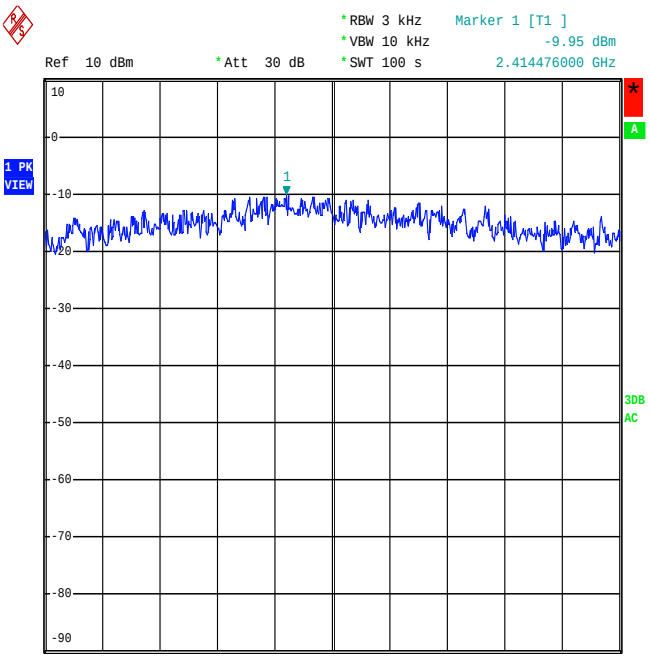


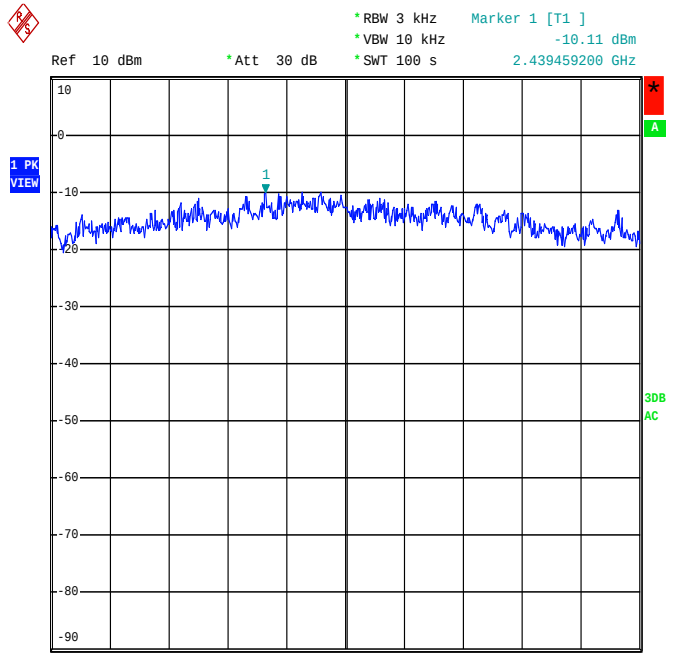

*RBW 3 kHz
*VBW 10 kHz
*SWT 100 s
Marker 1 [T1]
-5.45 dBm
2.438623500 GHz
Ref 10 dBm
*Att 30 dB
1 PK
VIEW
A
3DB
AC
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90

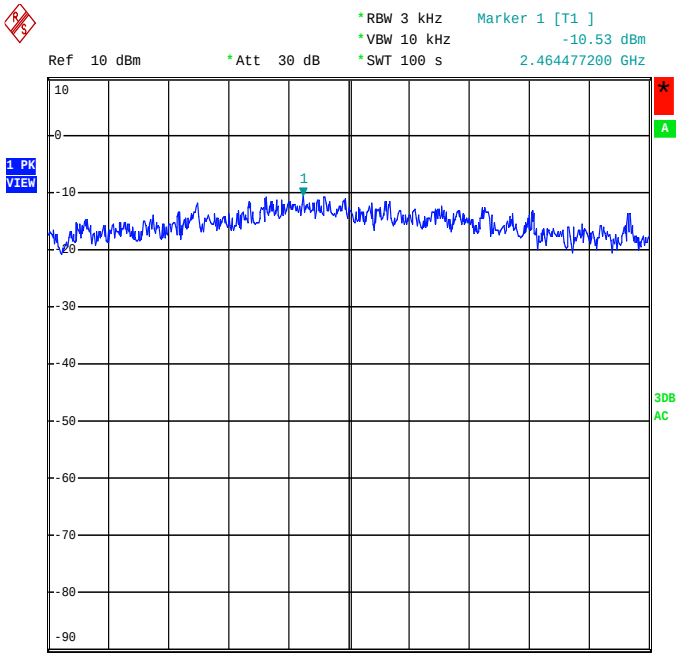

*RBW 3 kHz
*VBW 10 kHz
*SWT 100 s
Marker 1 [T1]
-6.26 dBm
2.463596600 GHz
Ref 10 dBm
*Att 30 dB
1 PK
CLRWR
A
3DB
AC
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90

Spectrum Detector: PK Test Date : July 1, 2011
Test By: Joe Temperature : 28℃
Test Result: PASS Humidity : 65 %
Operation Mode: 802.11 g

Channel	Measurement Level (dBm)	Required Limit (dBm)	Result
1	-9.95	<8dBm	PASS
6	-10.11	<8dBm	PASS
11	-10.53	<8dBm	PASS

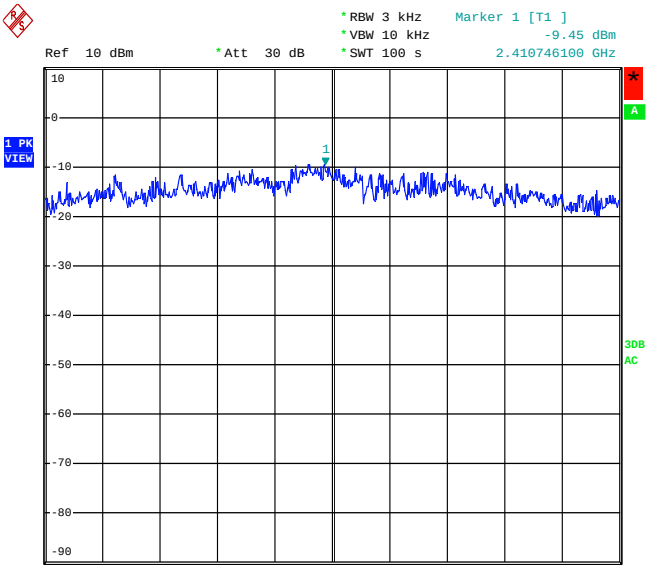


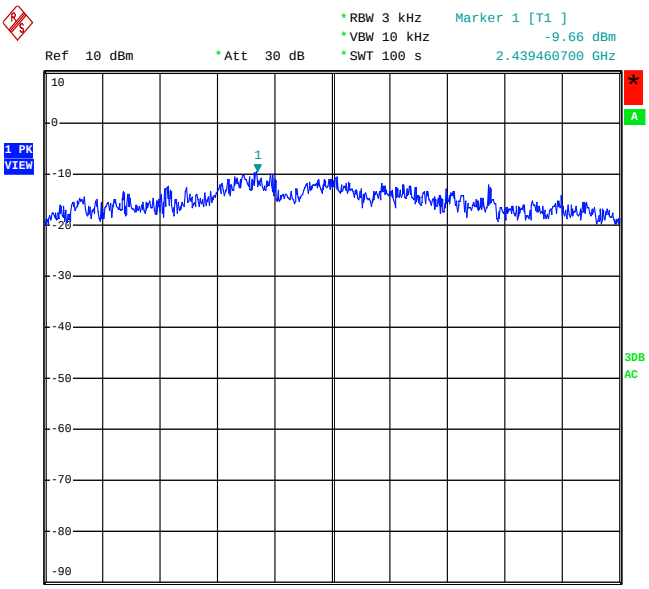

*RBW 3 kHz
*VBW 10 kHz
*SWT 100 s
Marker 1 [T1]
-10.11 dBm
2.439459200 GHz
Ref 10 dBm
*Att 30 dB
1 PK
VIEW
3DB
AC
A

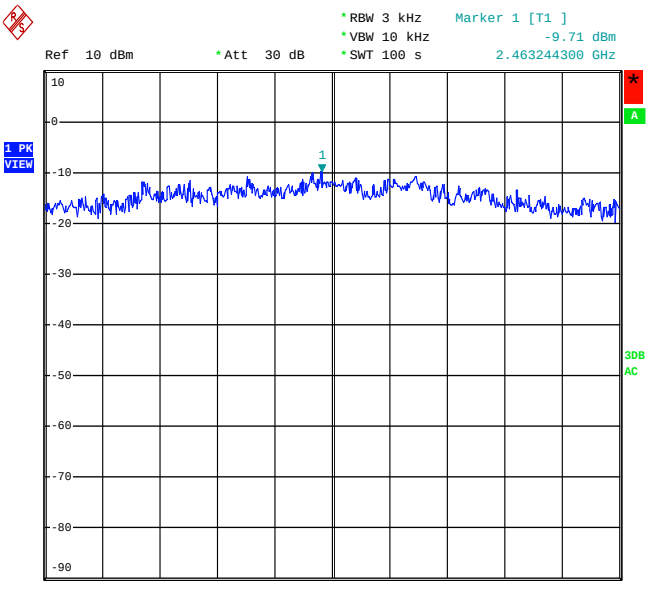

*RBW 3 kHz
*VBW 10 kHz
*SWT 100 s
Marker 1 [T1]
-10.53 dBm
2.464477200 GHz
Ref 10 dBm
*Att 30 dB
1 PK
VIEW
3DB
AC
A

Spectrum Detector: PK Test Date : July 1, 2011
Test By: Joe Temperature : 28℃
Test Result: PASS Humidity : 65 %
Operation Mode: 802.11 n

Channel	Measurement Level (dBm)	Required Limit (dBm)	Result
1	-9.45	<8dBm	PASS
6	-9.66	<8dBm	PASS
11	-9.71	<8dBm	PASS




RBW 3 kHz
VBW 10 kHz
SWT 100 s
Marker 1 [T1]
-9.66 dBm
2.439460700 GHz
Ref 10 dBm
Att 30 dB
1 PK
VIEW
3DB
AC


RBW 3 kHz
VBW 10 kHz
SWT 100 s
Marker 1 [T1]
-9.71 dBm
2.463244300 GHz
Ref 10 dBm
Att 30 dB
1 PK
VIEW
3DB
AC

11. Antenna Port Emission

11.1 Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	05/29/2011	05/29/2012

11.2 Measuring Instruments and Setting

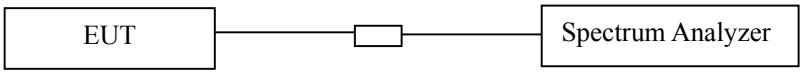
The following table is the setting of spectrum analyzer.

Spectrum analyzer	Setting
Attenuation	Auto
RB	100kHz
VB	300kHz
Detector	Peak
Trace	Max hold

11.3 Test Procedures

The conducted spurious emissions were measured conducted using a spectrum analyzer at low, mid, and high channels, The limit was determined by attenuation 20dB of the RF peak power output.

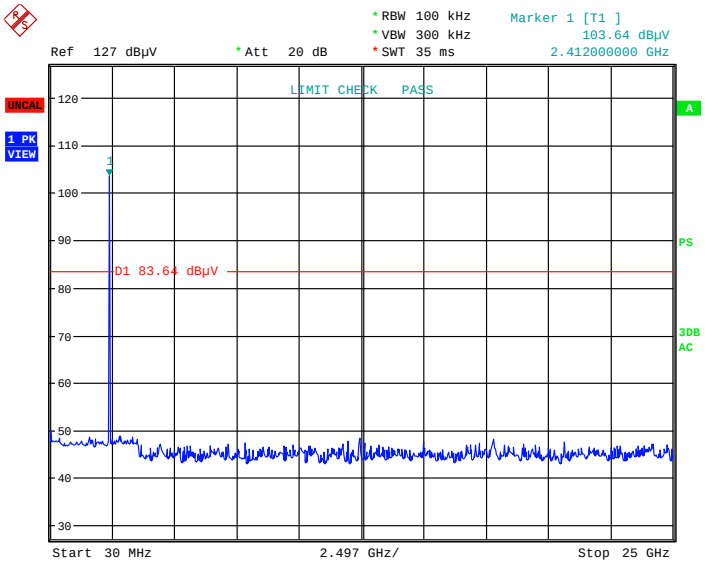
11.4 Block Diagram of Test setup



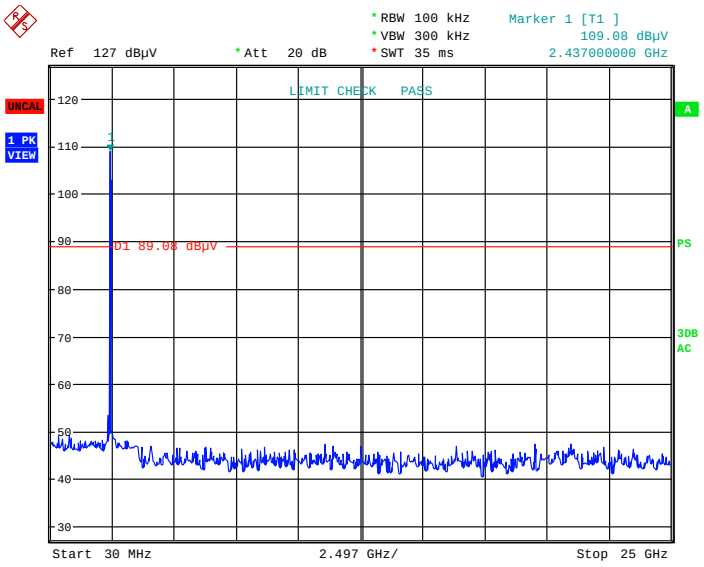
11.5 Test Result

PASS.

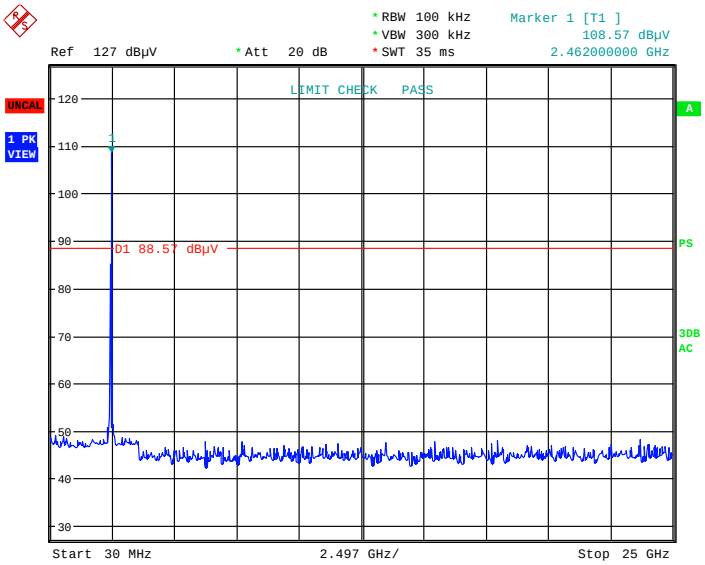
802.11b Low Channel 1



802.11g mid Channel 6



802.11n Hi Channel 11



12. Antenna Application

12.1 Antenna Requirement

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2 Result

The EUT'S antenna is **Dipole Antenna**. The antenna's gain is **2.7dBi** and meets the requirement.