FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Applicant：	**CHINA GREAT-WALL COMPUTER SHENZHEN CO., LTD.**
Address：	**GREATWALL BLDG., SCIENCE & INDUSTRY PARK, NANSHAN DISTRICT, SHENZHEN, P.R CHINA**
Product Name：	**Notebook Computer**
Model Name：	**SYNET583-PK, A892**
Brand Name：	**GREATWALL, SYLVANIA**
FCC ID：	**KXY-A892**
Report No.：	**MOST100910F2**
Date of Issue：	**November. 27, 2010**

Issued by：	**Most Technology Service Co., Ltd.**
Address：	**No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China**
Tel：	**86-755-8617 0306**
Fax：	**86-755-8617 0310**

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1. VERIFICATION OF CONFORMITY

Equipment Under Test:	Notebook Computer
Brand Name:	GREATWALL, SYLVANIA
Model Number:	SYNET583-PK, A892
FCC ID:	KXY-A892
Applicant:	China Great-wall Computer Shenzhen Co., Ltd. GREATWALL BLDG., SCIENCE & INDUSTRY PARK, NANSHAN DISTRICT, SHENZHEN, P.R CHINA
Manufacturer:	China Great-wall Computer Shenzhen Co., Ltd. GREATWALL BLDG., SCIENCE & INDUSTRY PARK, NANSHAN DISTRICT, SHENZHEN, P.R CHINA
Technical Standards:	47 CFR Part 15 Subpart C
File Number:	MOST100910F2
Date of test:	November. 15, 2010 – November. 25, 2010
Deviation:	None
Condition of Test Sample:	Normal
Test Result:	PASS

The above equipment was tested by *Most Technology Service Co., Ltd.* for compliance with the requirements set forth in FCC rules and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

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

Tested by (+ signature): Petter Ping

Petter Ping/Test Engineer November. 27, 2010

Review by (+ signature):

July Wen/Lab Manager November. 27, 2010

Approved by (+ signature): Teo Yang

Terry Yang/Manager November. 27, 2010

2. GENERAL INFORMATION

2.1 Product Information

EUT- FM	
Description:	Notebook Computer
Model Name:	SYNET583-PK
Series Number:	A892
Model Difference description:	The series models are different in appearance and color with the same functions.
Power Supply:	DC 19V by AC/DC adapter 100~240V 50/60Hz DC 10.8V by battery;
Frequency Range:	802.11b: 2422MHz – 2472MHz 802.11g: 2422MHz – 2472MHz 802.11n(40M): 2422MHz – 2472MHz 802.11n(20M): 2412MHz – 2472MHz
Number of Channels:	IEEE 802.11b/g mode: 11 Channels draft 802.11n Standard-20 MHz Channel mode: 13 Channels draft 802.11n Wide-40 MHz Channel mode: 7 Channels
Transmit Power	IEEE 802.11b mode: 17+/-1.5 dBm IEEE 802.11g mode: 16+/-1.5 dBm draft 802.11n Standard-20 MHz Channel mode: 15+/-1.5 dBm draft 802.11n Wide-40 MHz Channel mode: 12+/-1.5 dBm
Modulation Technique:	IEEE 802.11b mode: DSSS (1, 2, 5.5 and 11 Mpbs) IEEE 802.11g mode: OFDM (6, 9, 12, 18, 24, 36, 48 and 54 Mpbs) draft 802.11n Standard-20 MHz Channel mode: OFDM (6.5, 13, 19.5, 26, 39, 52, 58.5, 65.0Mbps) draft 802.11n Wide-40 MHz Channel mode: OFDM (13.5, 27, 40.5, 54, 81, 108, 121.5, 135Mbps)
Antenna Gain:	2.5 dBi
Temperature Range:	-20°C ~ +40°C

NOTE:

1. For a more detailed features description about the EUT, please refer to User's Manual.

2.2 Objective

The objective of the report is to perform tests according to 47 CFR Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15(10-1-05 Edition)	Radio Frequency Devices

2.3 Test Standards and Results

Test items and the results are as bellow:

No.	Section	Description	Result	Date of Test
1	15.247(a)(2)	6dB Bandwidth	PASS	2010-11-25
2	15.247(b)(3)	Peak Output Power	PASS	2010-11-25
3	15.247(d)	conducted spurious emission	PASS	2010-11-25
4	15.247(d)	Band Edge	PASS	2010-11-25
5	15.247(e)	Power Spectral Density	PASS	2010-11-25
6	15.207	Conducted Emission	PASS	2010-11-18
7	15.247(d) 15.205 15.209	Radiated Emission	PASS	2010-11-24

Note: 1. The test result judgment is decided by the limit of measurement standard
2. The information of measurement uncertainty is available upon the customer's request.

2.4 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15-35ºC
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

3. TEST FACILITY

Test Site:	Most Technology Service Co., Ltd.
Location:	No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan, Shenzhen, Guangdong, China
Description:	There is one 3m semi-anechoic an area test sites and two line conducted labs for final test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2003 and CISPR 16 requirements. The FCC Registration Number is **490827.**
Site Filing:	The site description is on file with the Federal Communications Commission, 7435 Oakland Mills Road, Columbia, MD 21046.
Instrument Tolerance:	All measuring equipment is in accord with ANSI C63.4:2003 and CISPR 16 requirements that meet industry regulatory agency and accreditation agency requirement.
Ground Plane:	Two conductive reference ground planes were used during the Line Conducted Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna.

4. TEST EQUIPMENT LIST

Instrumentation: The following list contains equipment used at MOST for testing. The equipment conforms to the CISPR 16-1/ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

No.	Equipment	Manufacturer	Model No.	S/N	Calculator due date
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2011/03/14
2	Spectrum Analyzer	Agilent	E7405A	US44210471	2011/03/14
3	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2011/03/14
4	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2011/03/14
5	Terminator	Hubersuhner	50Ω	No.1	2011/03/14
6	RF Cable	SchwarzBeck	N/A	No.1	2011/03/14
7	Test Receiver	Rohde & Schwarz	ESPI	101202	2011/03/14
8	Bilog Antenna	Sunol	JB3	A121206	2011/03/14
9	Horn Antenna	TRC	N/A	N/A	2011/03/14
10	Cable	Resenberger	N/A	NO.1	2011/03/14
11	Cable	SchwarzBeck	N/A	NO.2	2011/03/14
12	Cable	SchwarzBeck	N/A	NO.3	2011/03/14
13	DC Power Filter	DuoJi	DL2×30B	N/A	2011/03/14
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2011/03/14
15	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2011/03/14
16	Test Receiver	Rohde & Schwarz	ESCI	100492	2011/03/14
17	Absorbing Clamp	Luthi	MDS21	3635	2011/03/14
18	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2011/03/14
19	AC Power Source	Kikusui	AC40MA	LM003232	2011/03/14
20	Test Analyzer	Kikusui	KHA1000	LM003720	2011/03/14
21	Line Impendence Network	Kikusui	LIN40MA-PCR-L	LM002352	2011/03/14
22	ESD Tester	Kikusui	KES4021	LM003537	2011/03/14
23	EMCPRO System	EM Test	UCS-500-M4	V0648102026	2011/03/14
24	Signal Generator	IFR	2032	203002/100	2011/03/14
25	Amplifier	A&R	150W1000	301584	2011/03/14
26	CDN	FCC	FCC-801-M2-25	47	2011/03/14
27	CDN	FCC	FCC-801-M3-25	107	2011/03/14
28	EM Injection Clamp	FCC	F-203I-23mm	403	2011/03/14
29	RF Cable	MIYAZAKI	N/A	No.1/No.2	2011/03/14
30	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2011/03/14
31	Telecommunication Antenna	European Antennas	PSA 75301R/170	0304213	2011/03/14

NOTE: *Equipments listed above have been calibrated and are in the period of validation.*

5. 47 CFR Part 15 C 15.247 Requirements

5.1 6dB Bandwidth

5.1.1 Definition

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

5.1.2 Test Description

The EUT is powered by the Battery, is coupled to the Spectrum Analyzer (SA) through the Attenuator/DC Block. The path loss as the factor is calibrated to correct the reading. During the measurement, the EUT is activated and is set to operate at maximum power. The RF load attached to the EUT antenna terminal is 50Ohm.

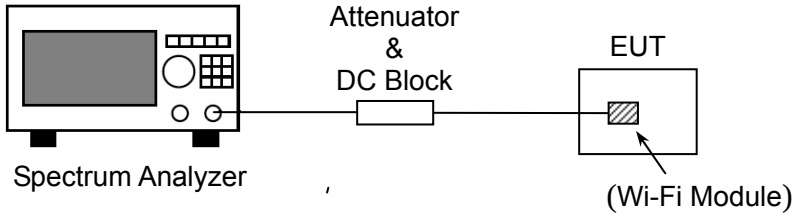


Figure 1: RF Test Setup

5.1.3 Test Result

The lowest, middle and highest channels are selected to perform testing to record the 6 dB bandwidth of the Module.

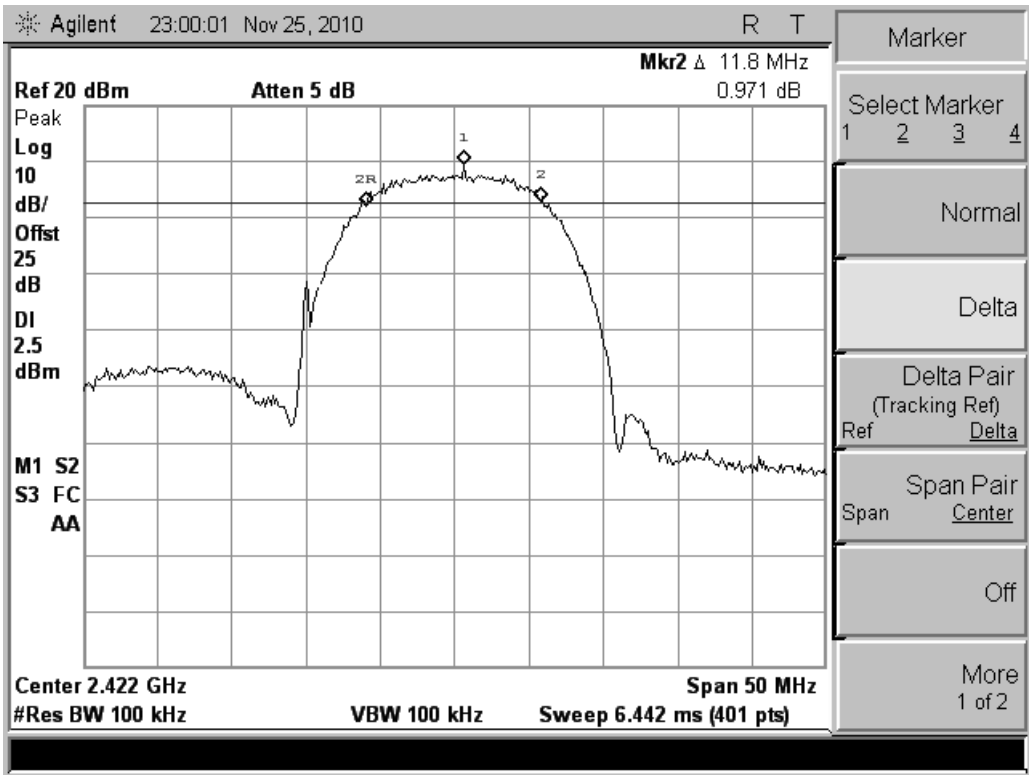
5.1.3.1 802.11b Test Mode

The minimum occupied bandwidth for the fundamental frequency 2422MHz is 11.8MHz. This occupied bandwidth complies with the FCC requirement.

A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (kHz)	Result
1	2422	11.8	≥500	PASS
6	2442	12.5	≥500	PASS
11	2472	13.3	≥500	PASS

B. Test Plot:



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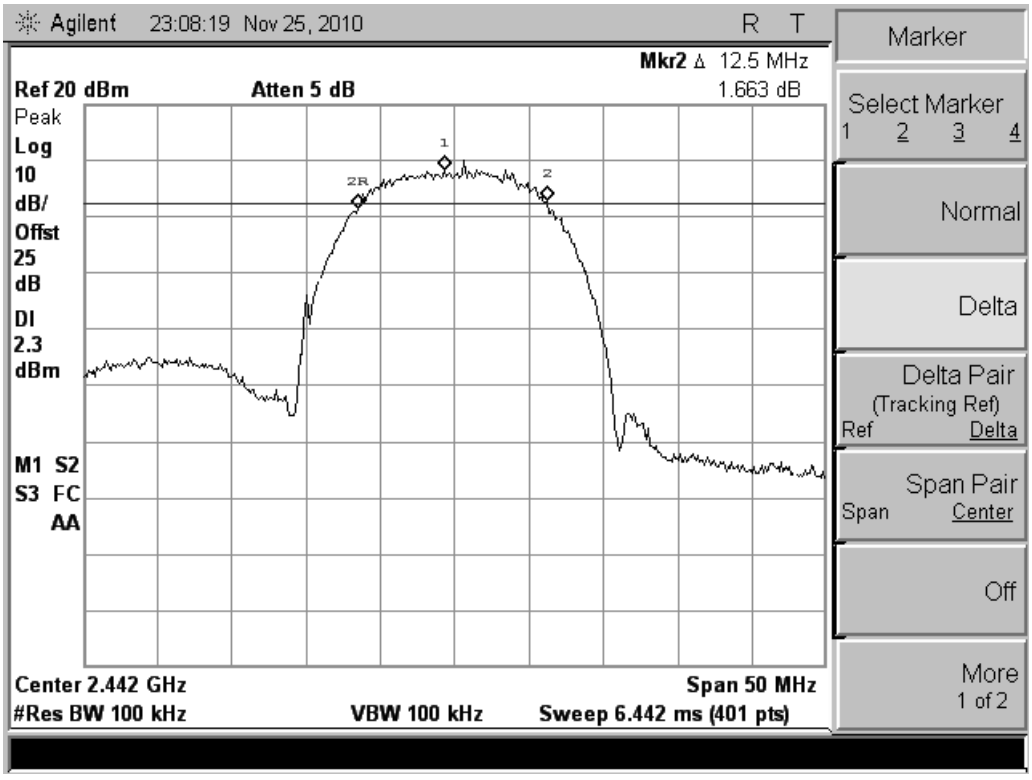

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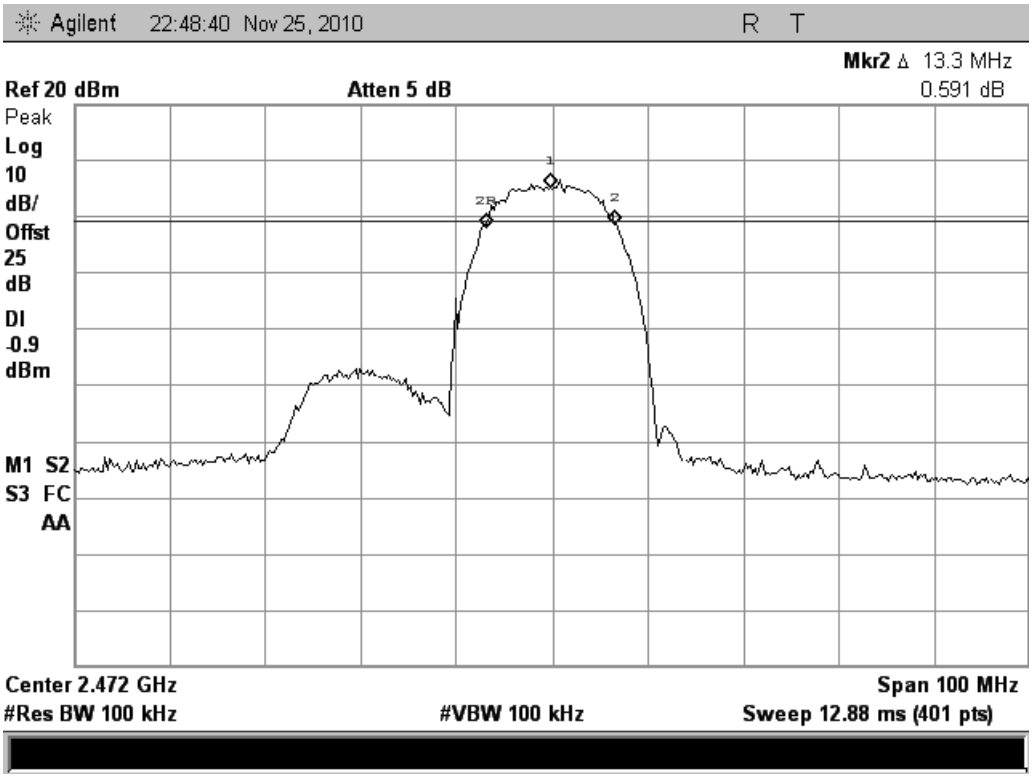

Agilent 22:48:40 Nov 25, 2010
R T
Mkr2 Δ 13.3 MHz
0.591 dB
Ref 20 dBm
Atten 5 dB
Peak
Log
10
dB/
Offst
25
dB
Dl
-0.9
dBm
M1 S2
S3 FC
AA
Center 2.472 GHz
#Res BW 100 kHz
#VBW 100 kHz
Span 100 MHz
Sweep 12.88 ms (401 pts)

(CH High)

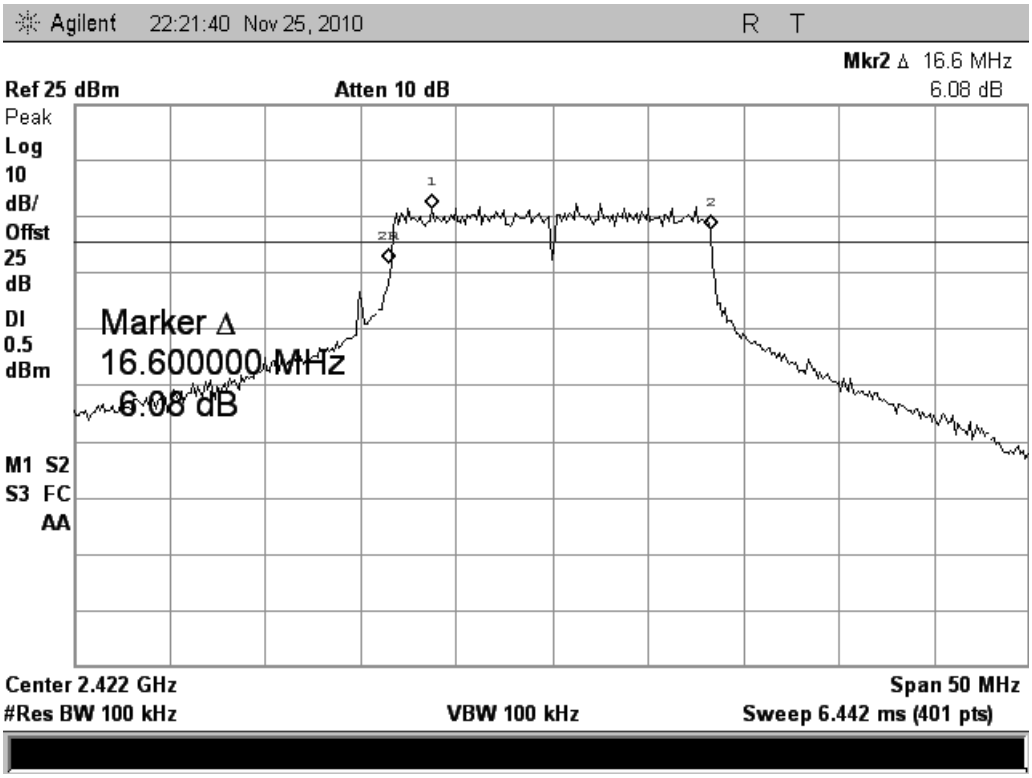
5.1.3.2 802.11g Test Mode

The occupied bandwidth for the fundamental frequency is 16.60MHz. This occupied bandwidth complies with the FCC requirement.

A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (kHz)	Result
1	2422	16.6	≥500	PASS
6	2442	16.6	≥500	PASS
11	2472	16.6	≥500	PASS

B. Test Plot:



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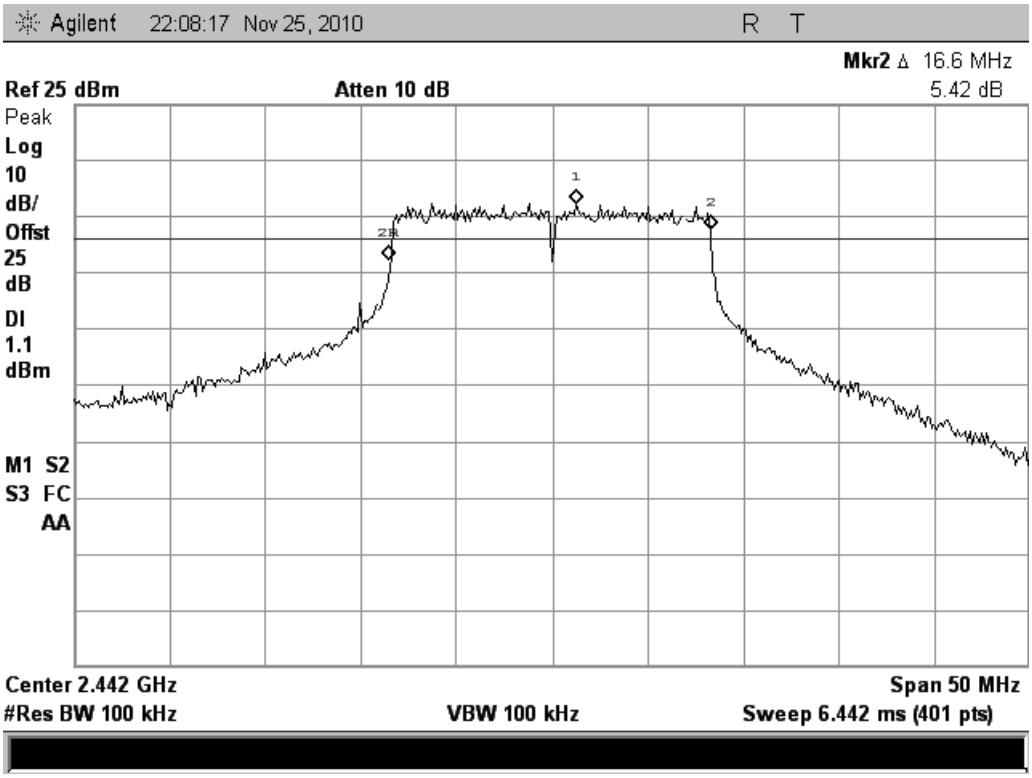

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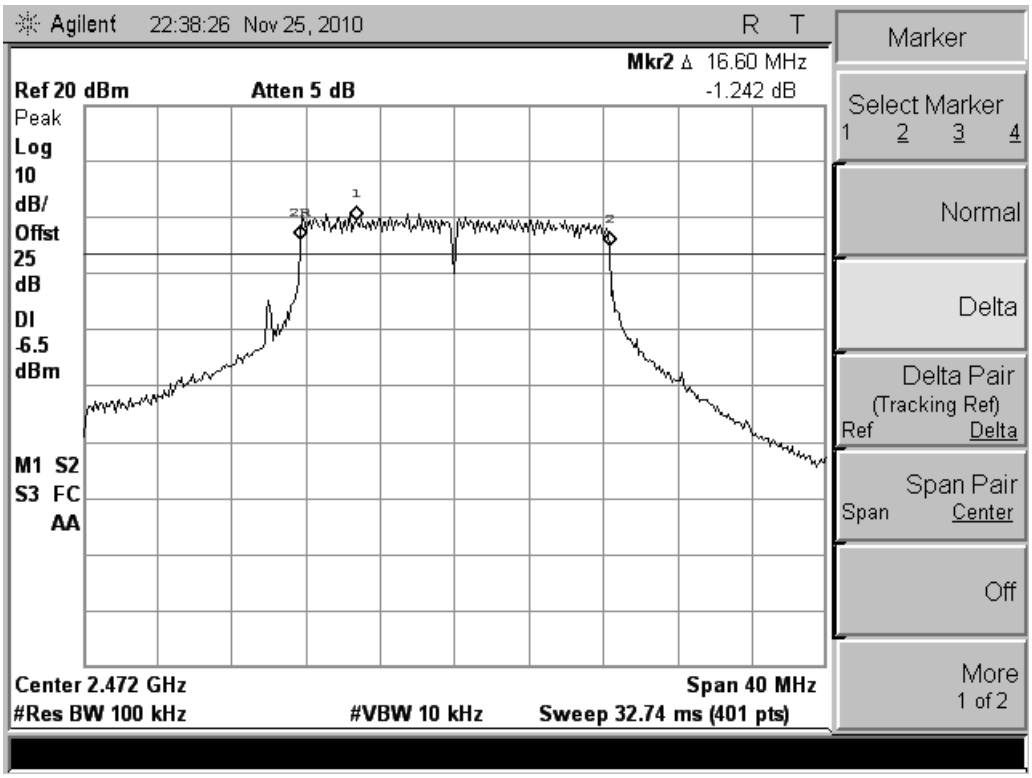


(CH High)

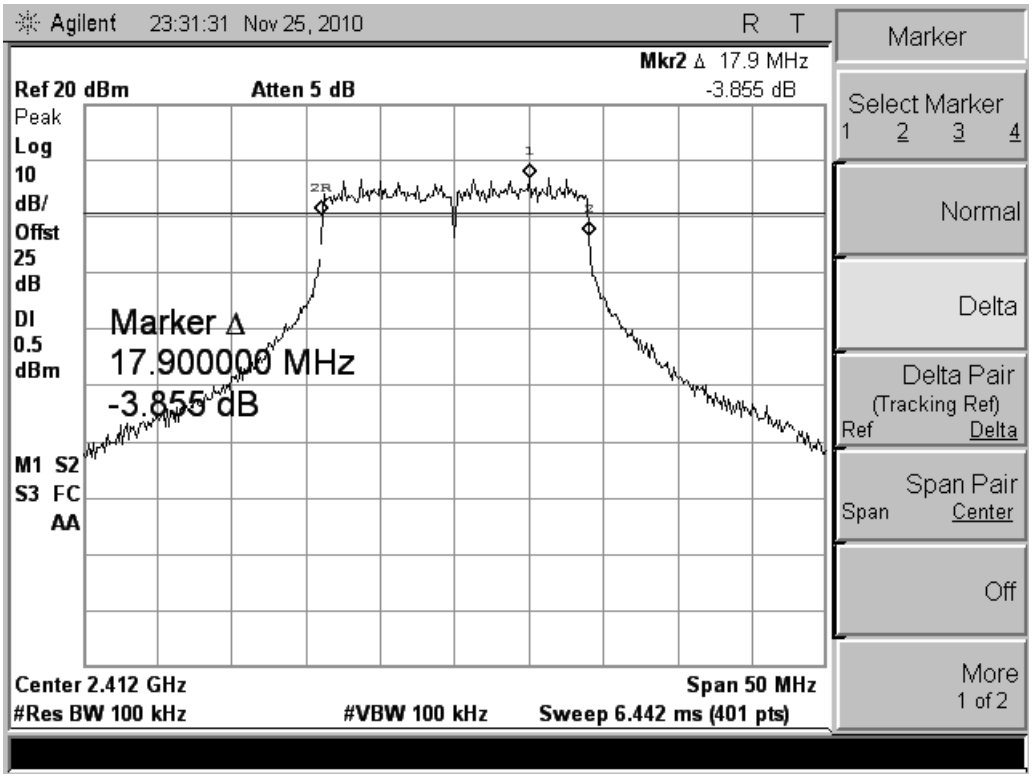
5.1.3.3 802.11n Test Mode(Standard-20 MHz Channel mode)

The minimum occupied bandwidth for the fundamental frequency 2442MHz is 17.8MHz. This occupied bandwidth complies with the FCC requirement.

A. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (kHz)	Result
1	2412	17.9	⩾500	PASS
7	2442	17.8	⩾500	PASS
13	2472	17.9	⩾500	PASS

B. Test Plot:



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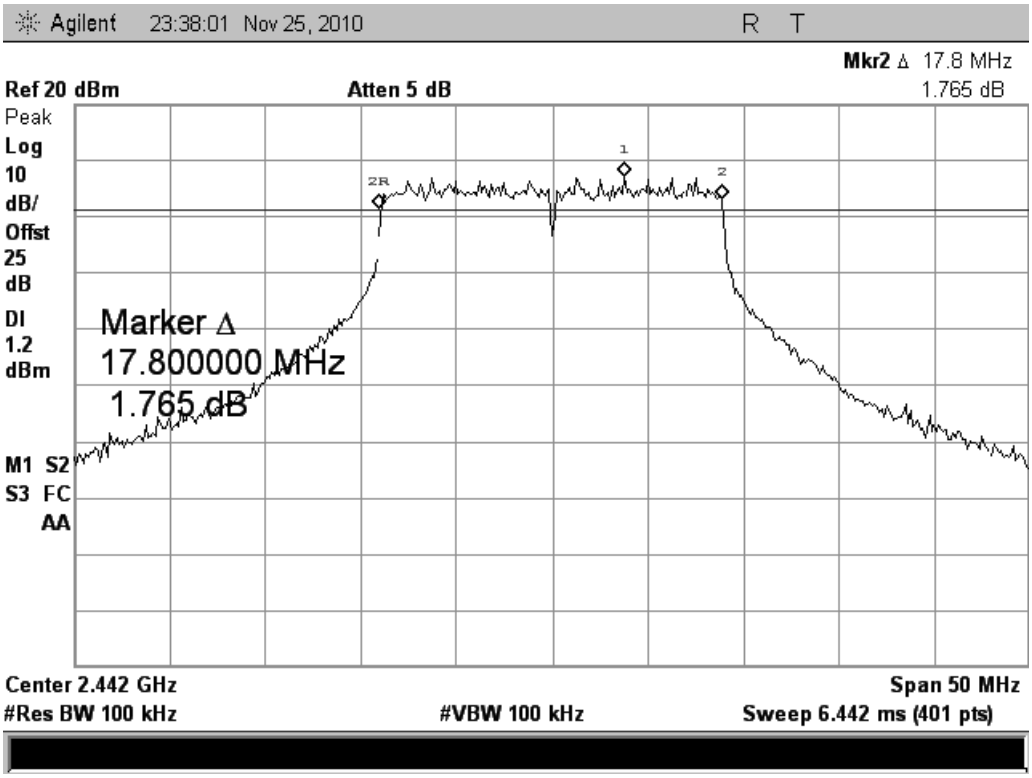

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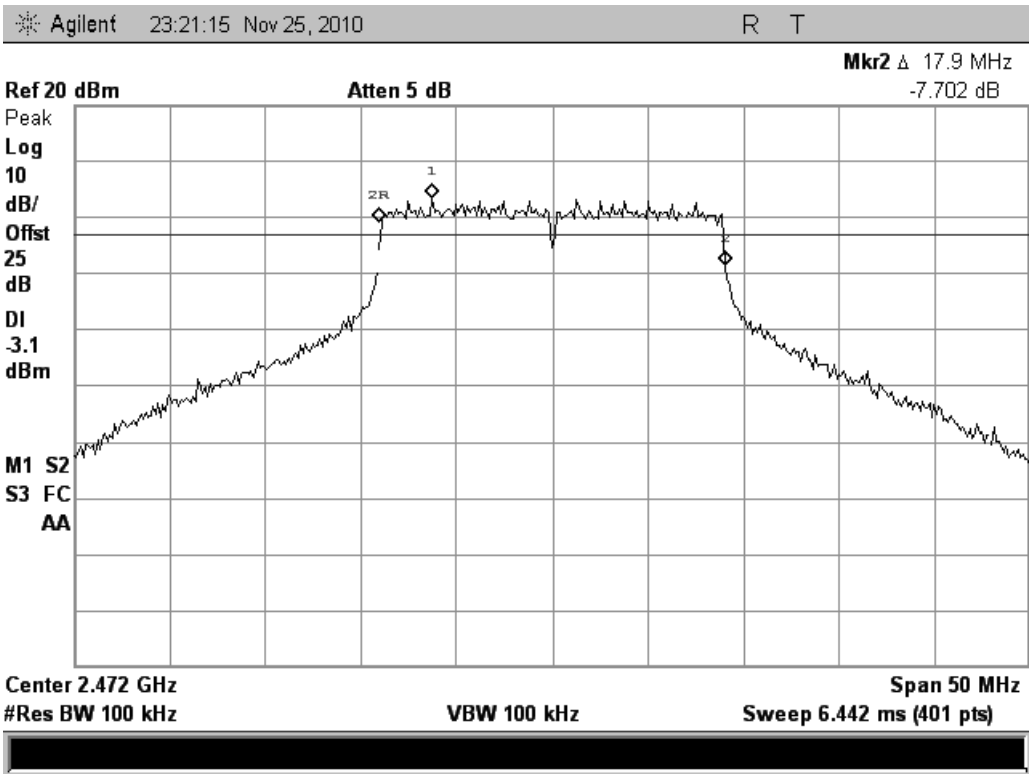


(CH High)

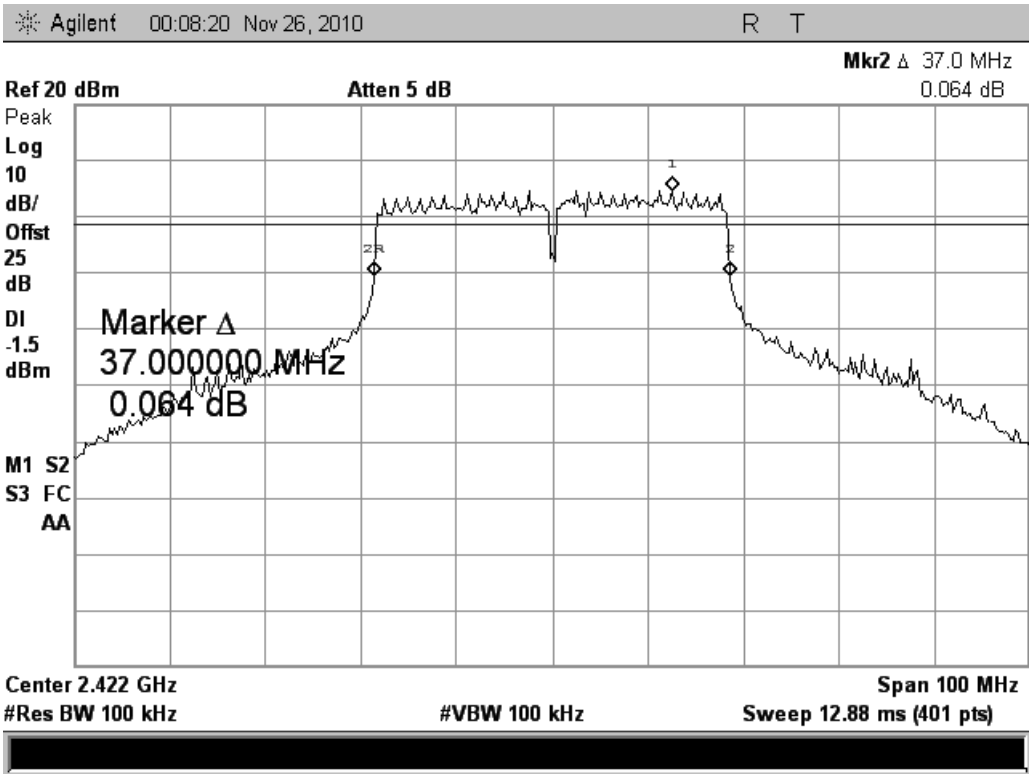
5.1.3.4 802.11n Test Mode(Standard-40 MHz Channel mode)

The minimum occupied bandwidth for the fundamental frequency 2452MHz is 36.8MHz. This occupied bandwidth complies with the FCC requirement.

C. Test Verdict:

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limits (kHz)	Result
1	2422	37.0	≥500	PASS
4	2437	37.0	≥500	PASS
7	2452	36.8	≥500	PASS

D. Test Plot:



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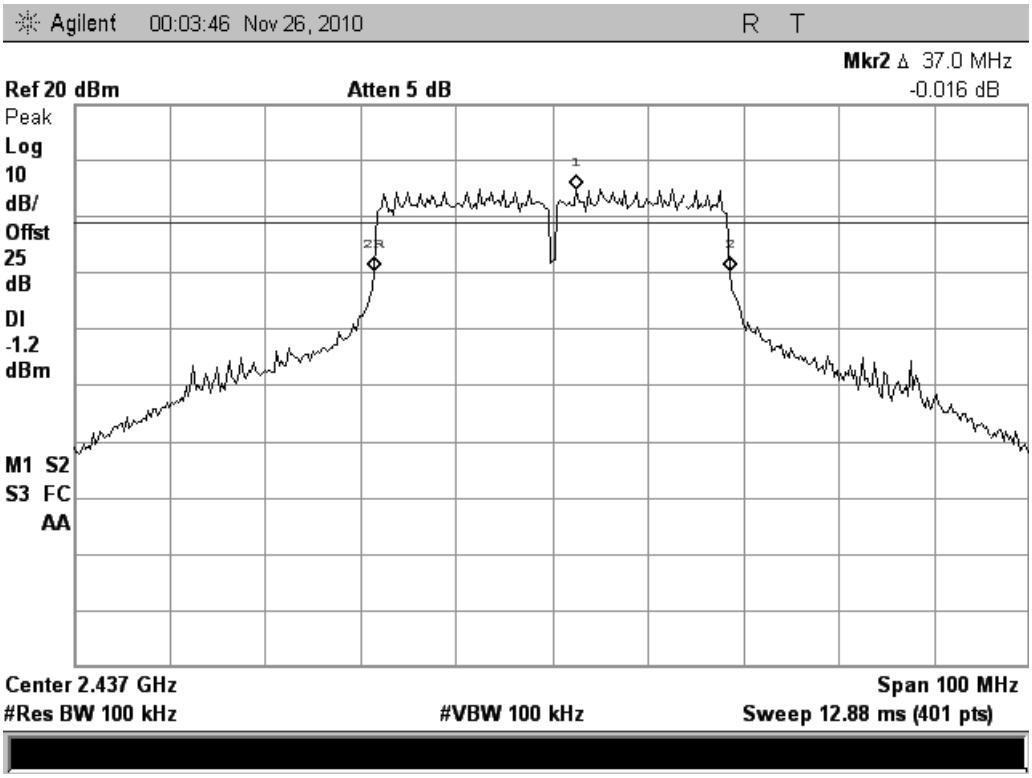

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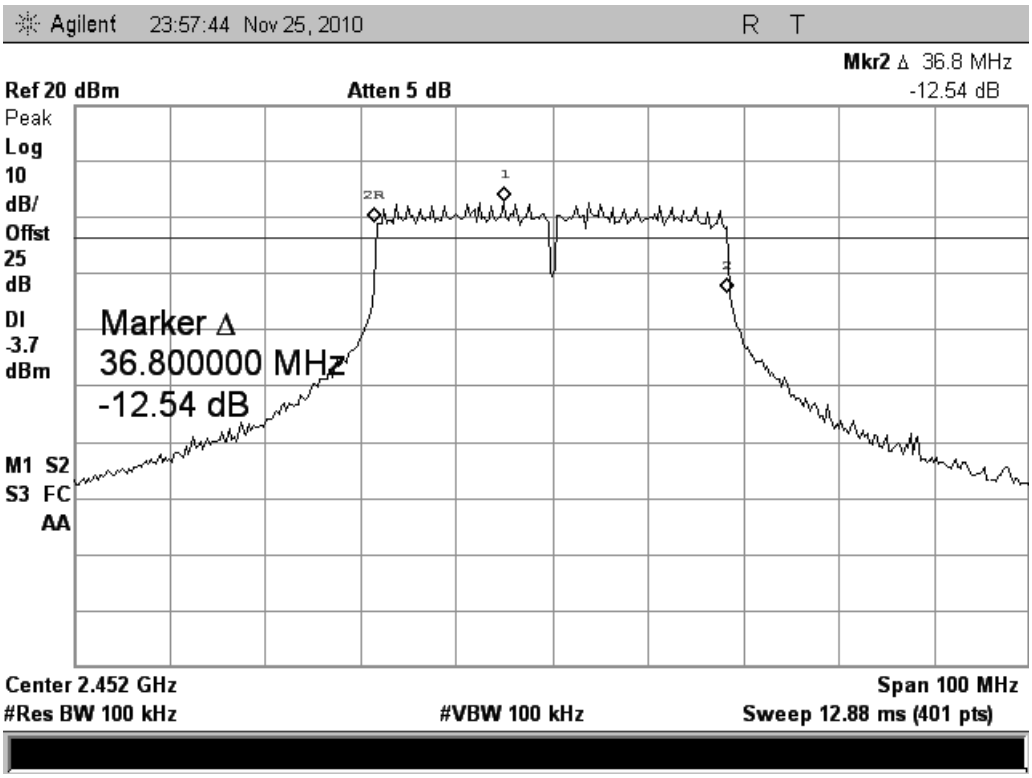


(CH High)

5.2 Peak Output Power

5.2.1 Definition

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power.

5.2.2 Test Description

See section 5.1.2 of this report.

5.2.3 Test Result

The EUT operates at maximum output power mode. The lowest, middle and highest channels are selected to perform testing to verify the conducted RF output peak power of the Module.

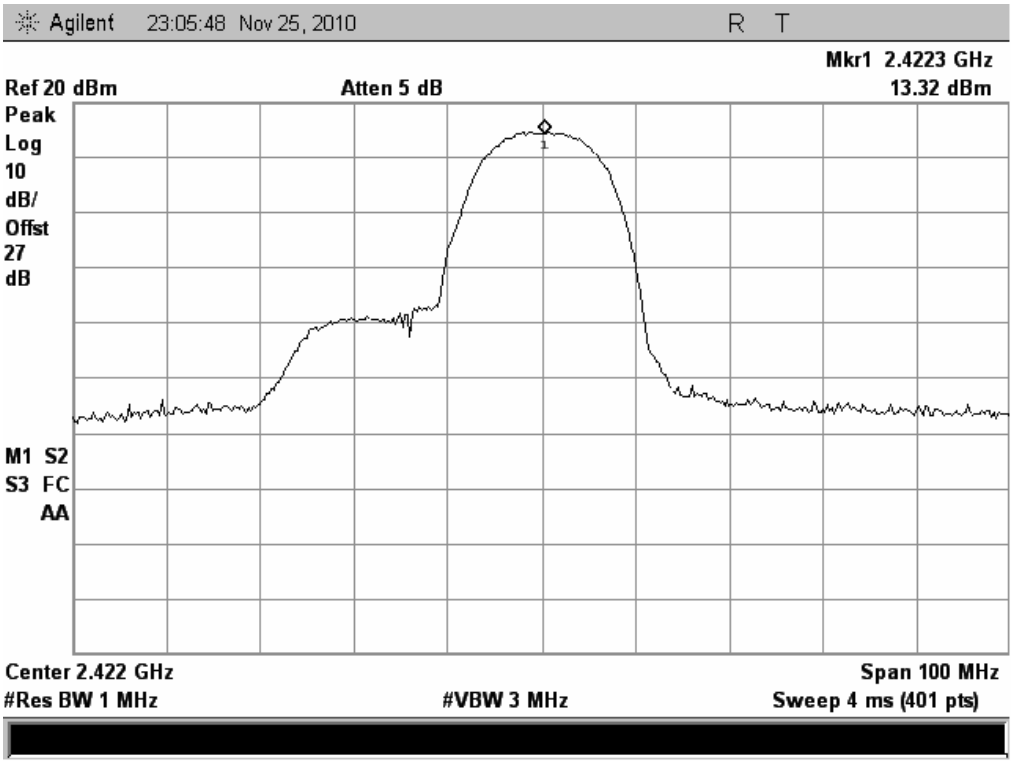
5.2.3.1 802.11b Test Mode

The maximum output power for the fundamental frequency 2442MHz is 17.39dBm. This power complies with the FCC requirement.

A. Test Verdict:

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2422	13.32	0.021	30	1	PASS
6	2442	13.31	0.021			PASS
11	2472	13.16	0.021			PASS

B. Test Plot:



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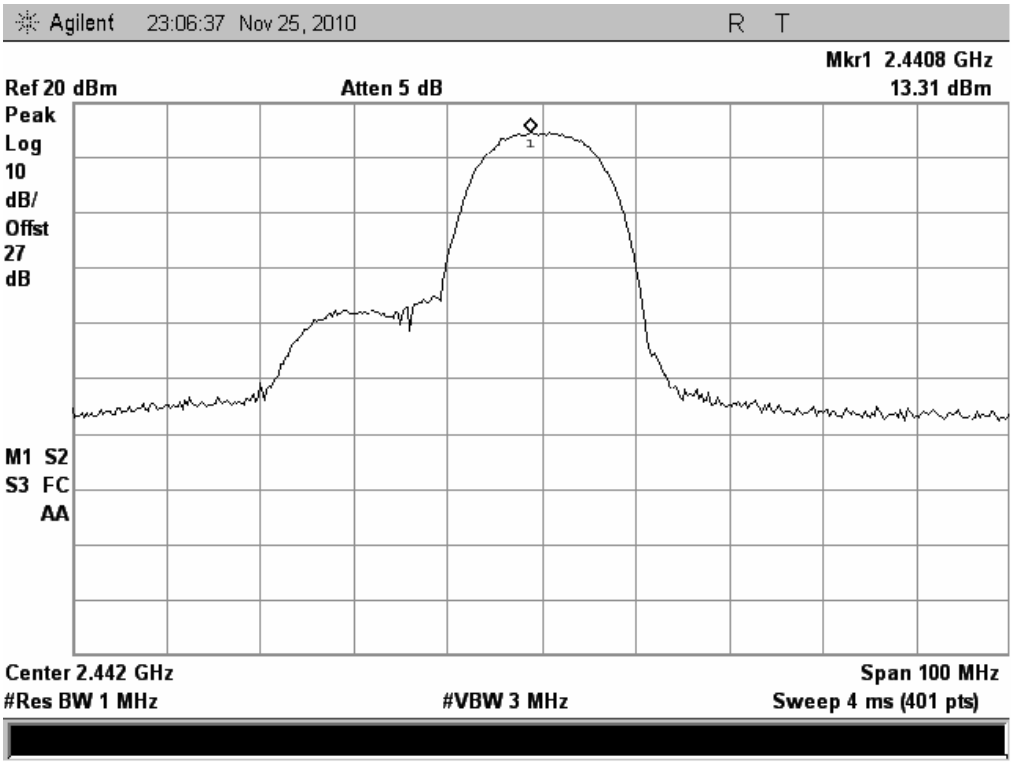

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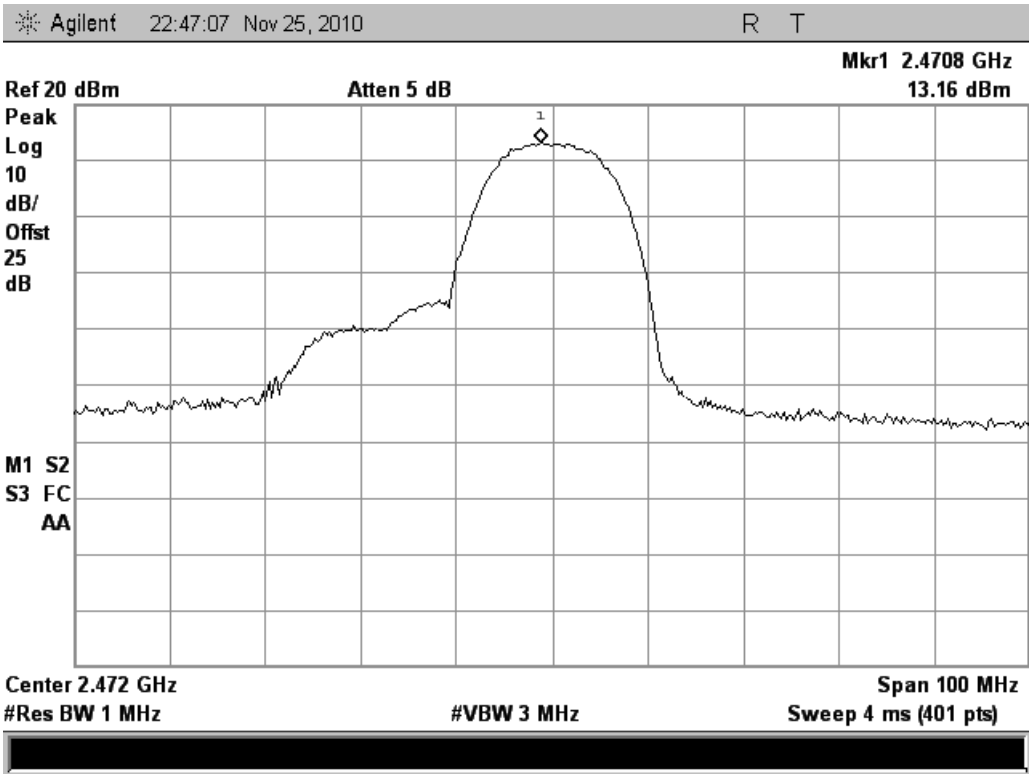


(CH High)

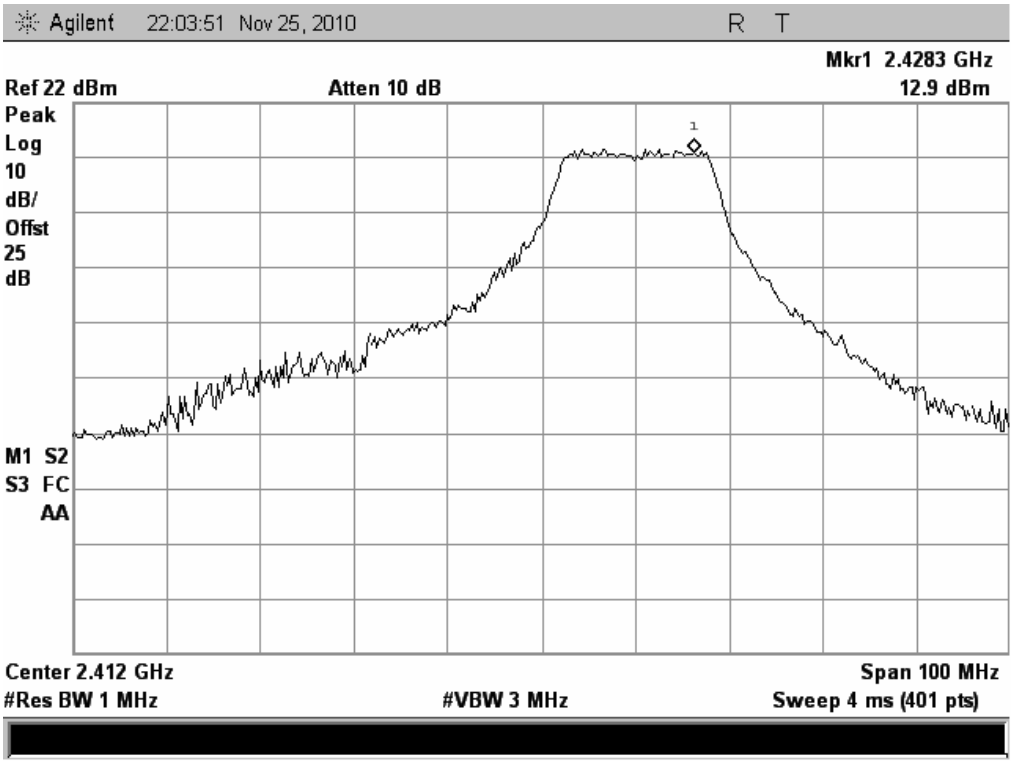
5.2.3.2 802.11g Test Mode

The maximum output power for the fundamental frequency 2442 MHz is 17.03dBm. This power complies with the FCC requirement.

A. Test Verdict:

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2422	12.90	0.019	30	1	PASS
6	2442	12.03	0.016			PASS
11	2472	12.96	0.020			PASS

B. Test Plot:



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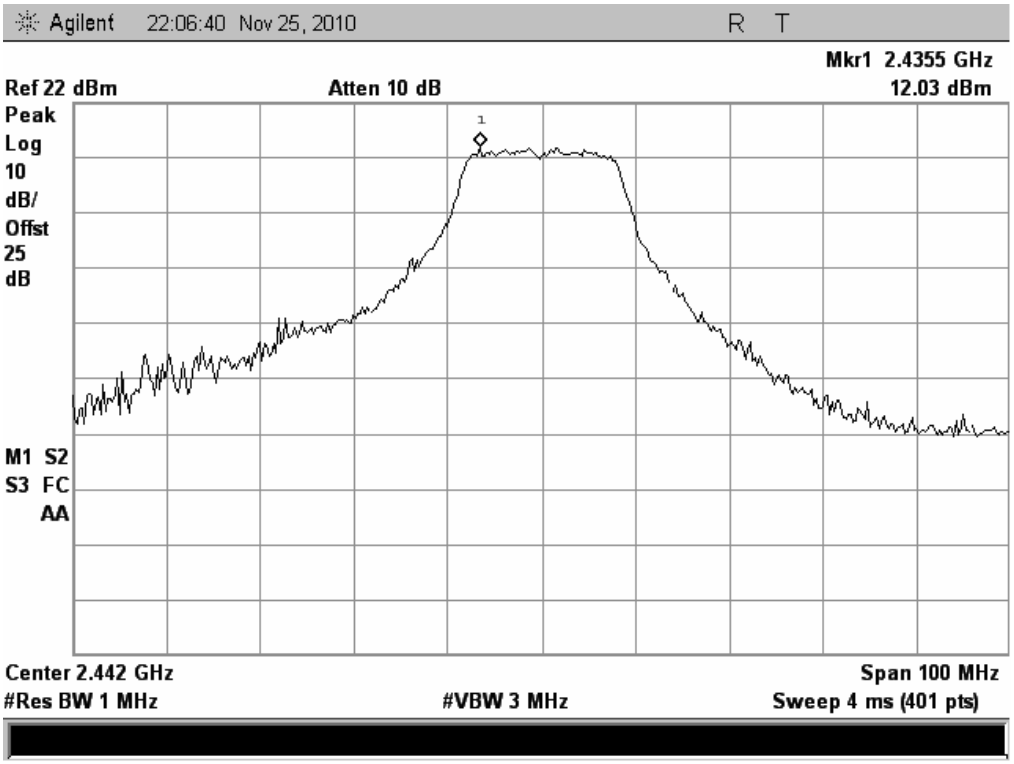

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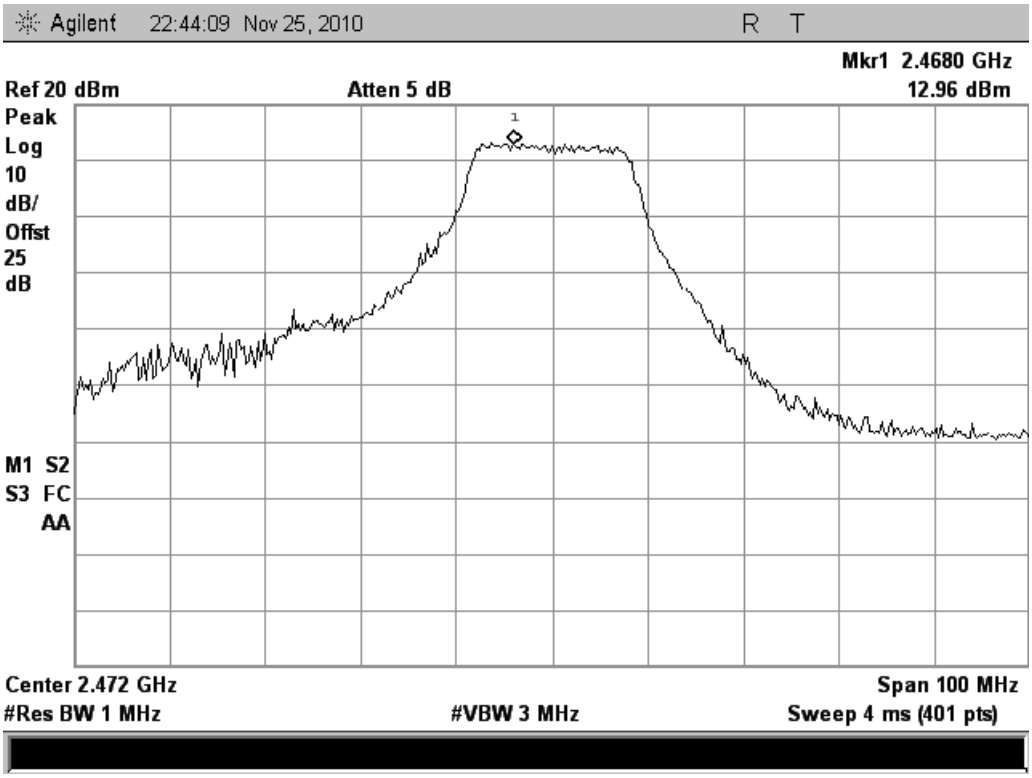


(CH High)

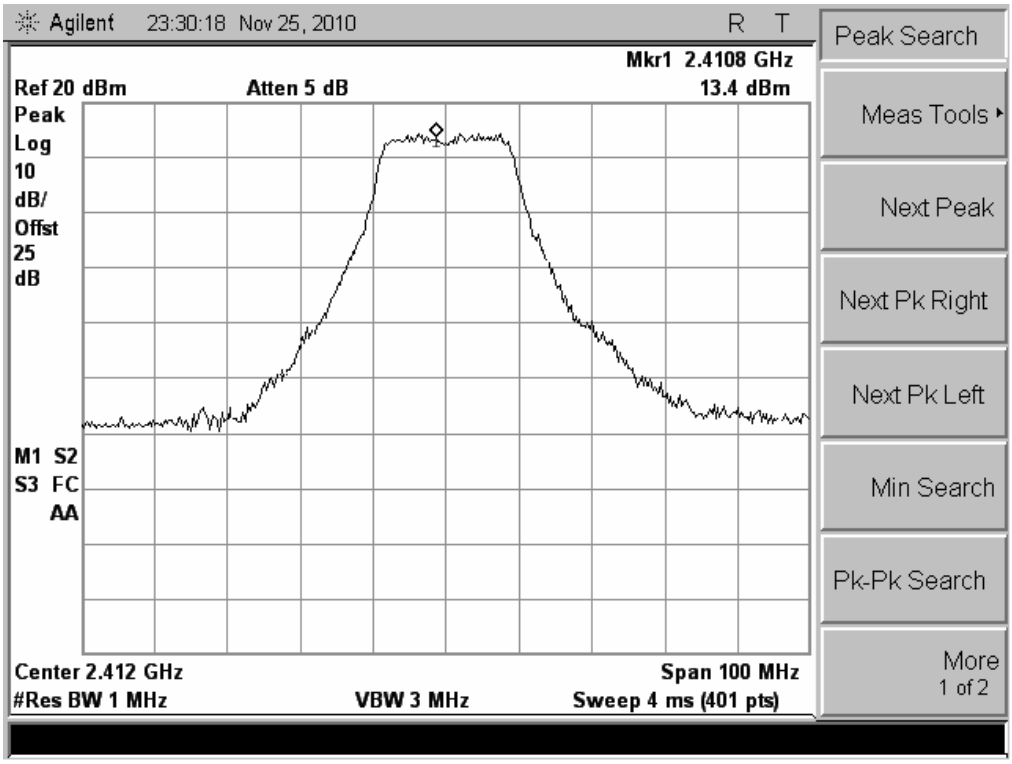
5.2.3.3 802.11n Test Mode(Standard-20 MHz Channel mode)

The maximum output power for the fundamental frequency 2412MHz is 15.80dBm. This power complies with the FCC requirement.

A. Test Verdict:

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2412	13.40	0.022	30	1	PASS
7	2442	12.79	0.019			PASS
13	2472	12.25	0.017			PASS

B. Test Plot:



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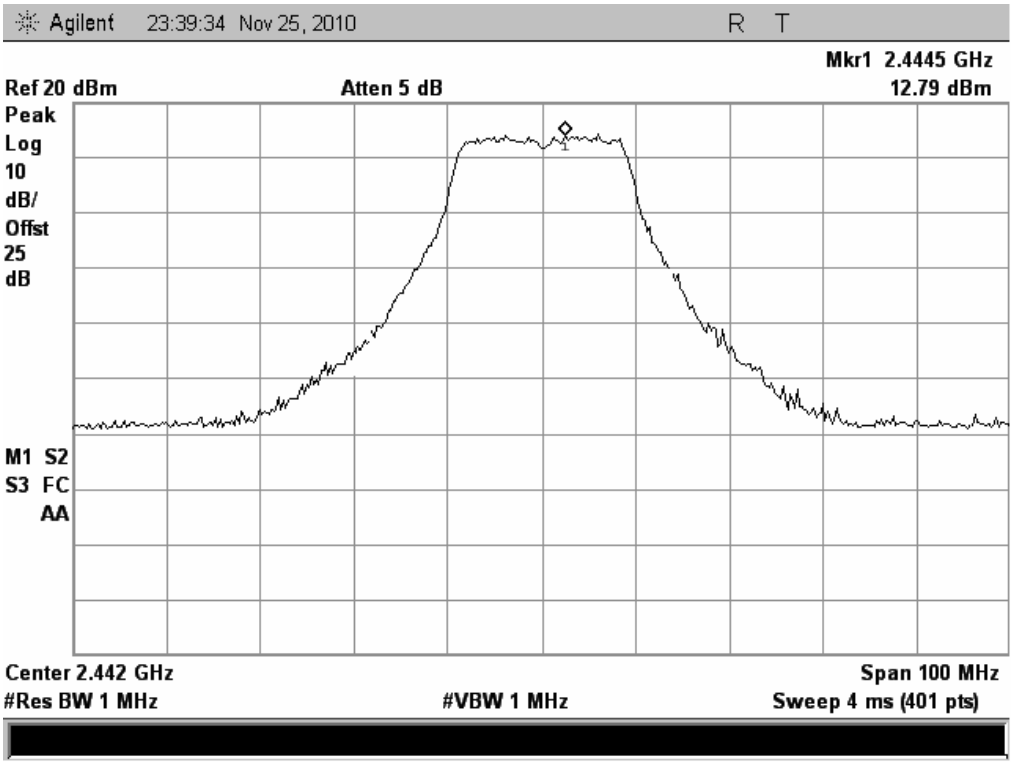

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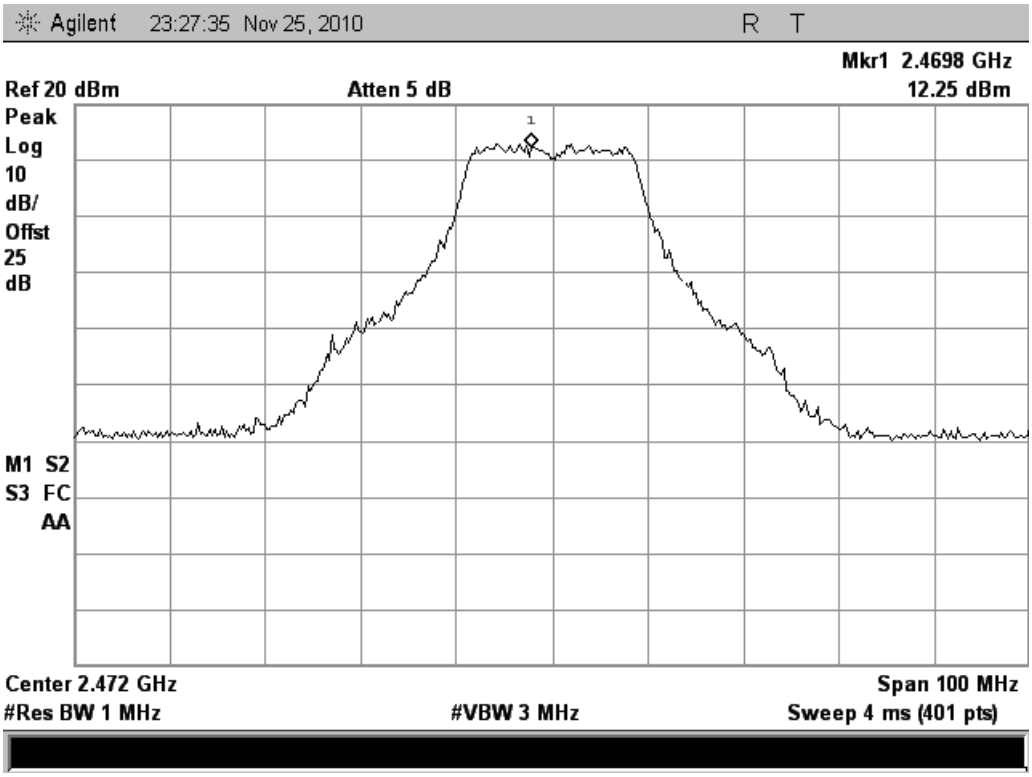


(CH High)

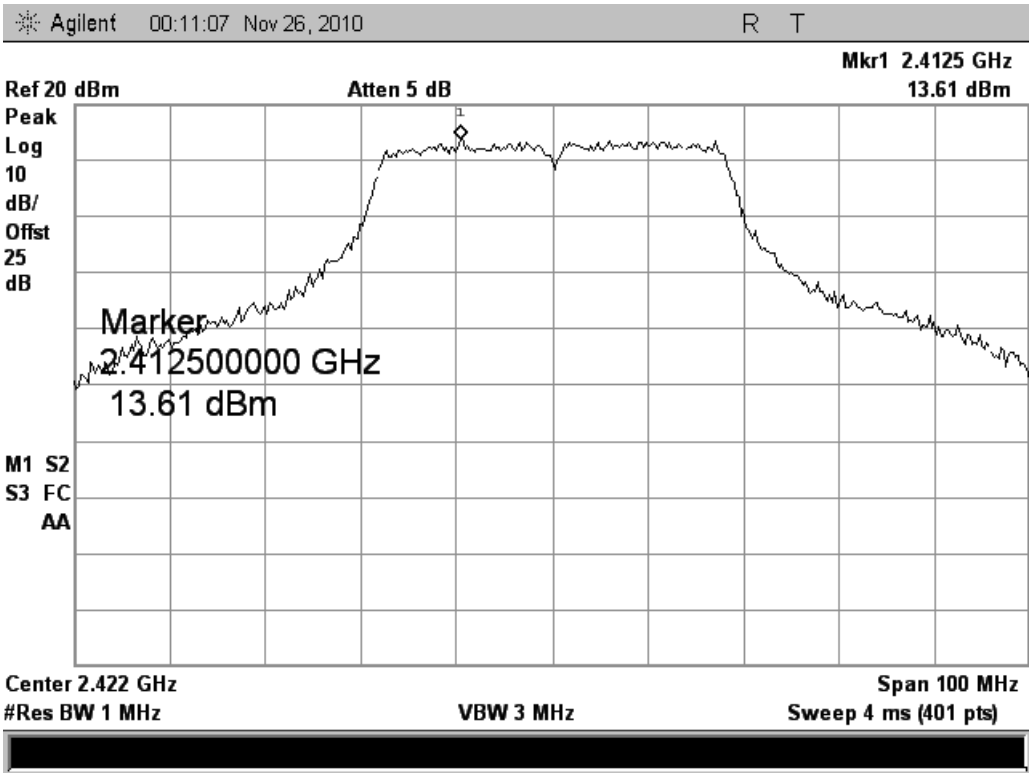
5.2.3.4 802.11n Test Mode(Standard-40 MHz Channel mode)

The maximum output power for the fundamental frequency 2422MHz is 13.61dBm. This power complies with the FCC requirement.

C. Test Verdict:

Channel	Frequency (MHz)	Measured Output Peak Power		Limit		Verdict
		dBm	W	dBm	W	
1	2422	13.61	0.023	30	1	PASS
4	2437	13.45	0.022			PASS
7	2452	11.09	0.013			PASS

D. Test Plot:



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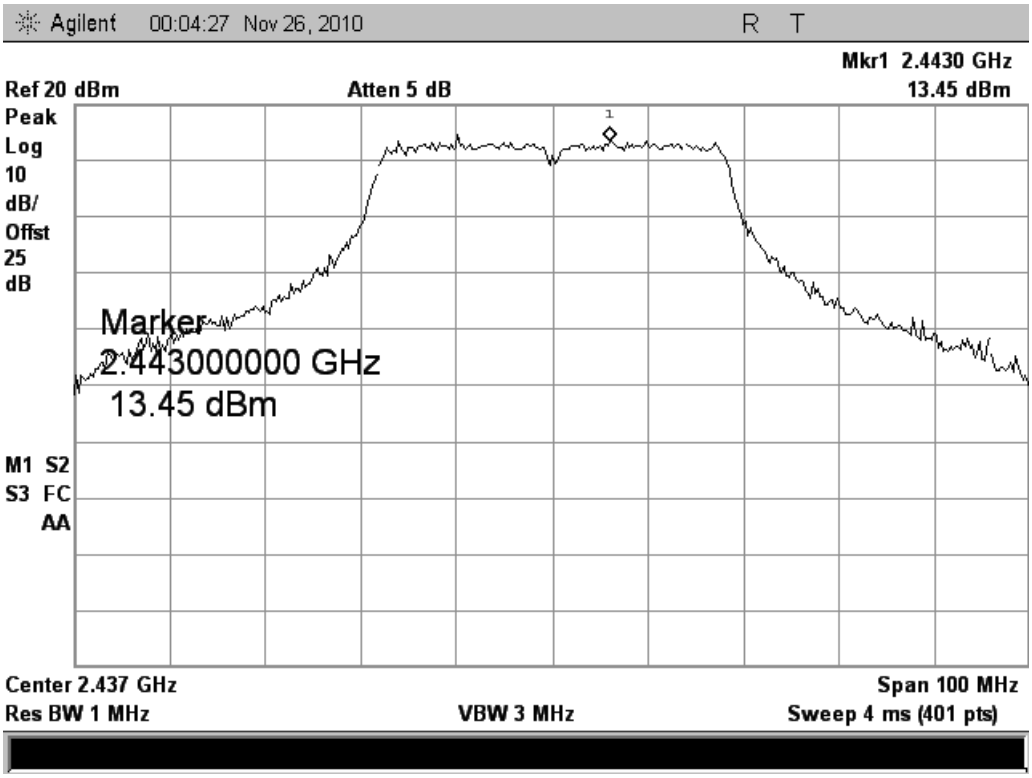
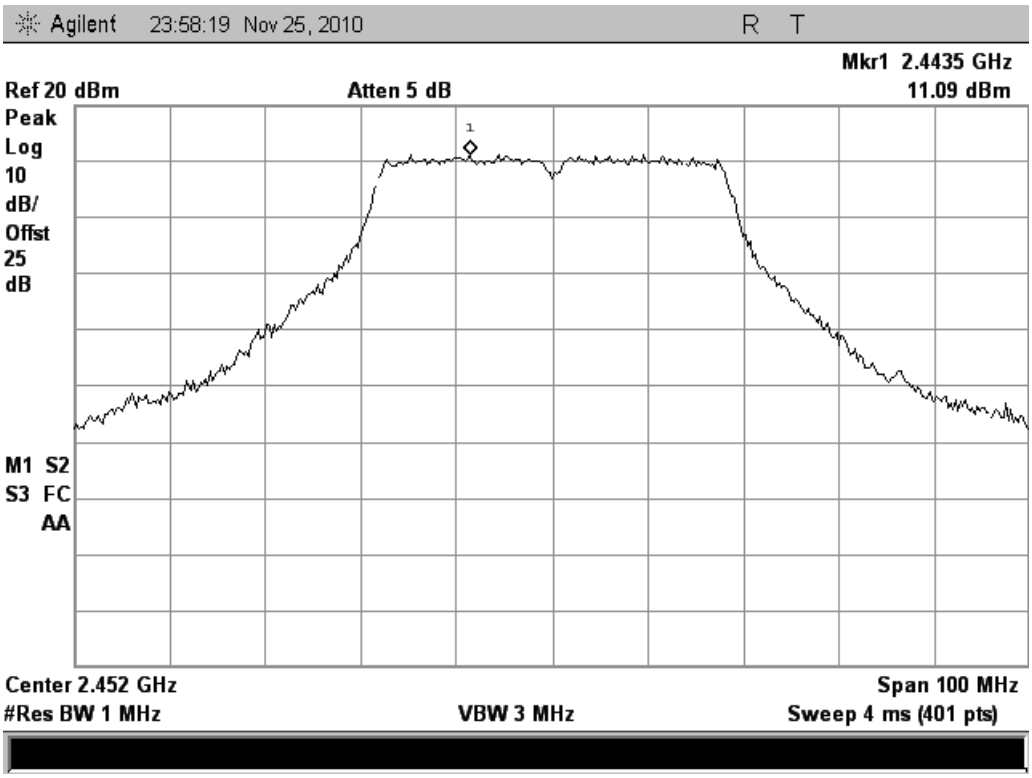


(CH Mid)



(CH High)

5.3 Conducted Spurious Emission

5.3.1 Definition

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

5.3.2 Test Description

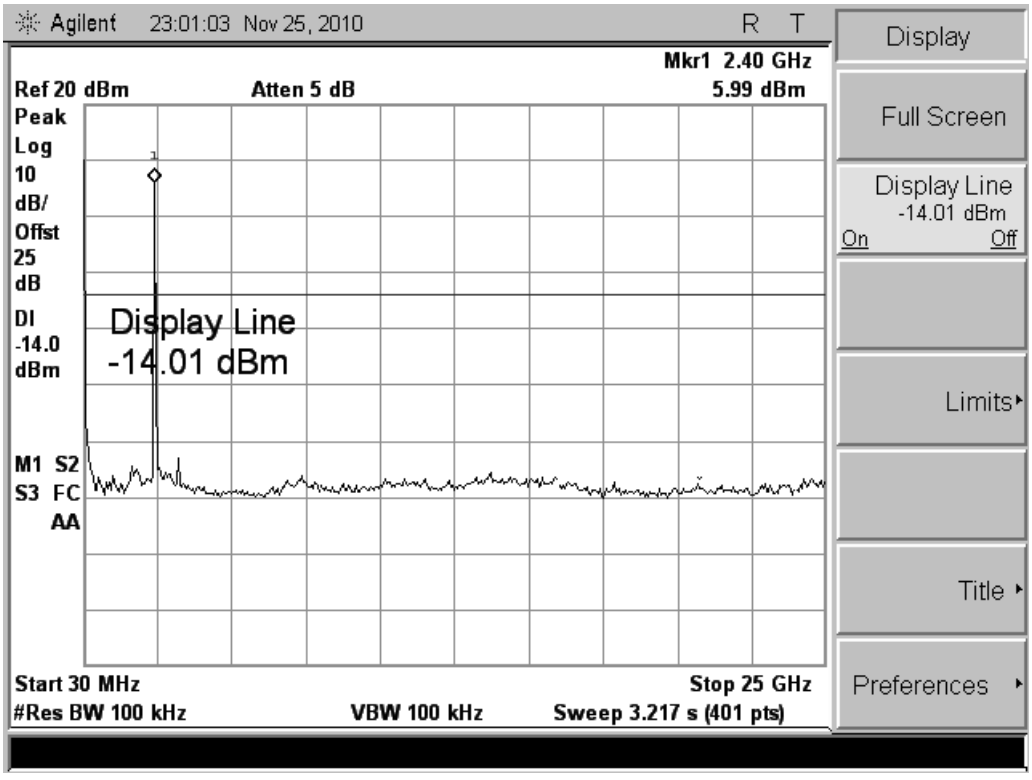
See section 5.1.2 of this report.

5.3.3 Test Result

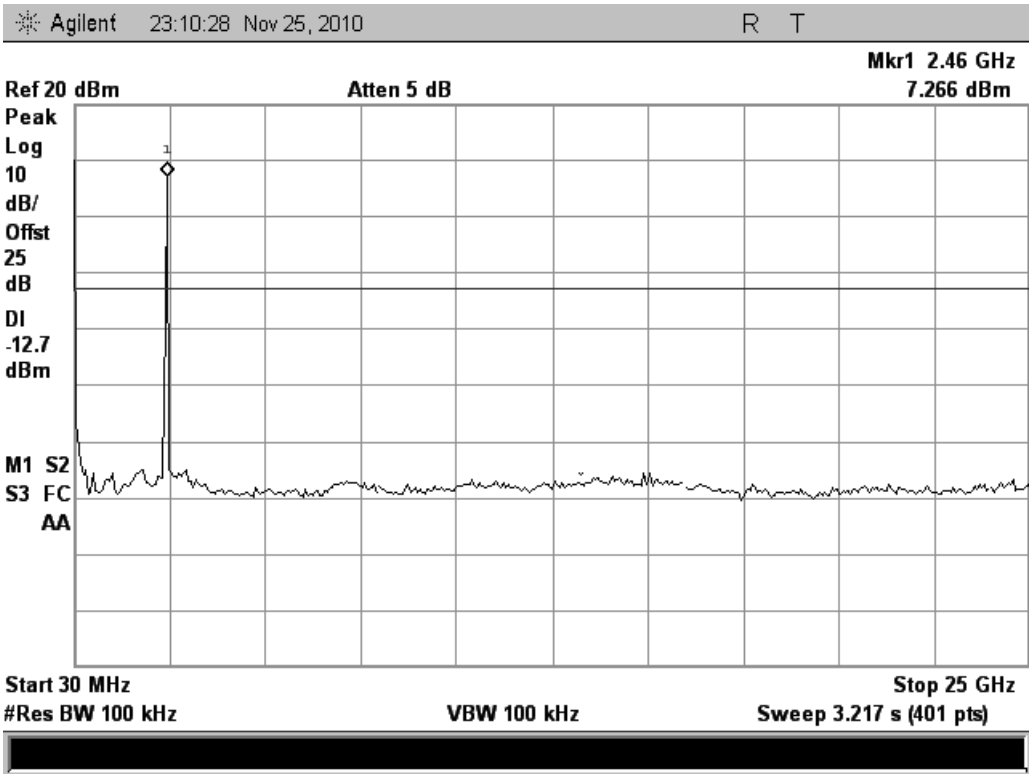
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions.

5.2.3.1 802.11b Test Mode

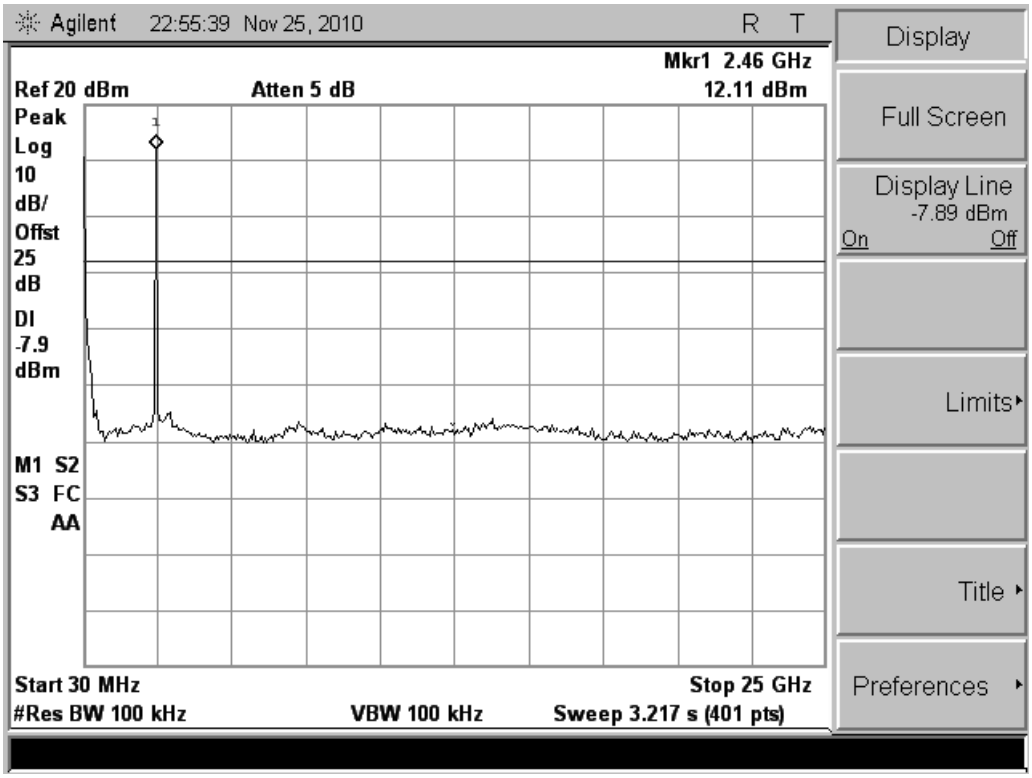
Test Plot:



(CH Low, 30MHz to 25GHz)



(CH Mid, 30MHz to 25GHz)



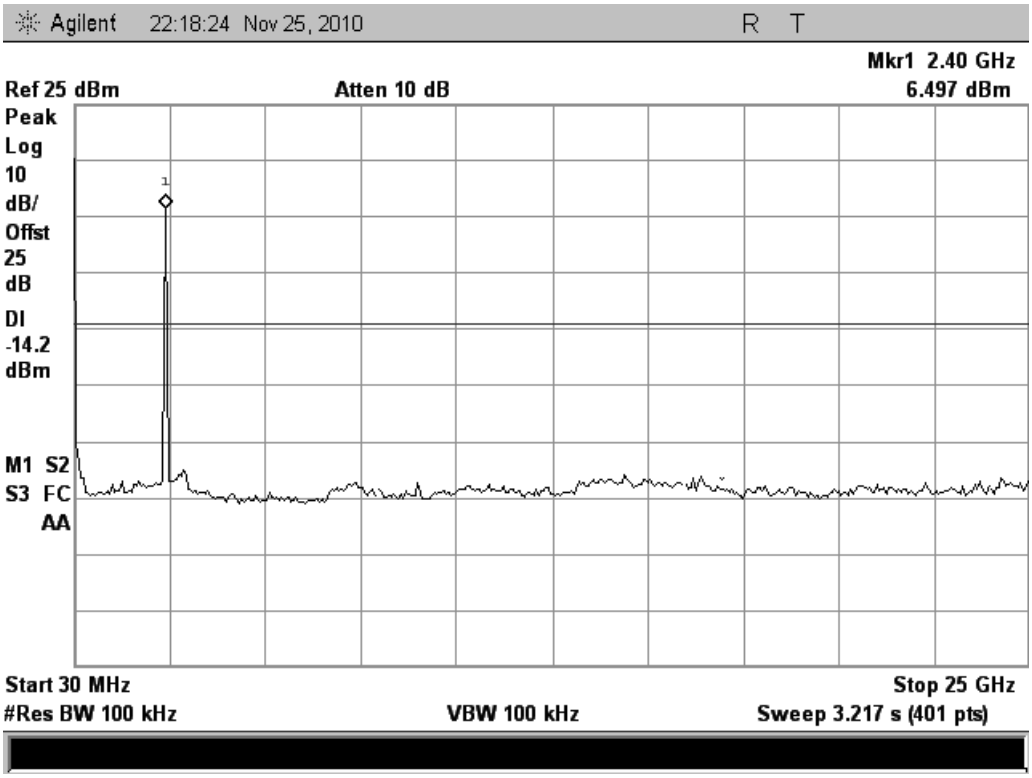
(CH High, 30MHz to 25GHz)

Note:

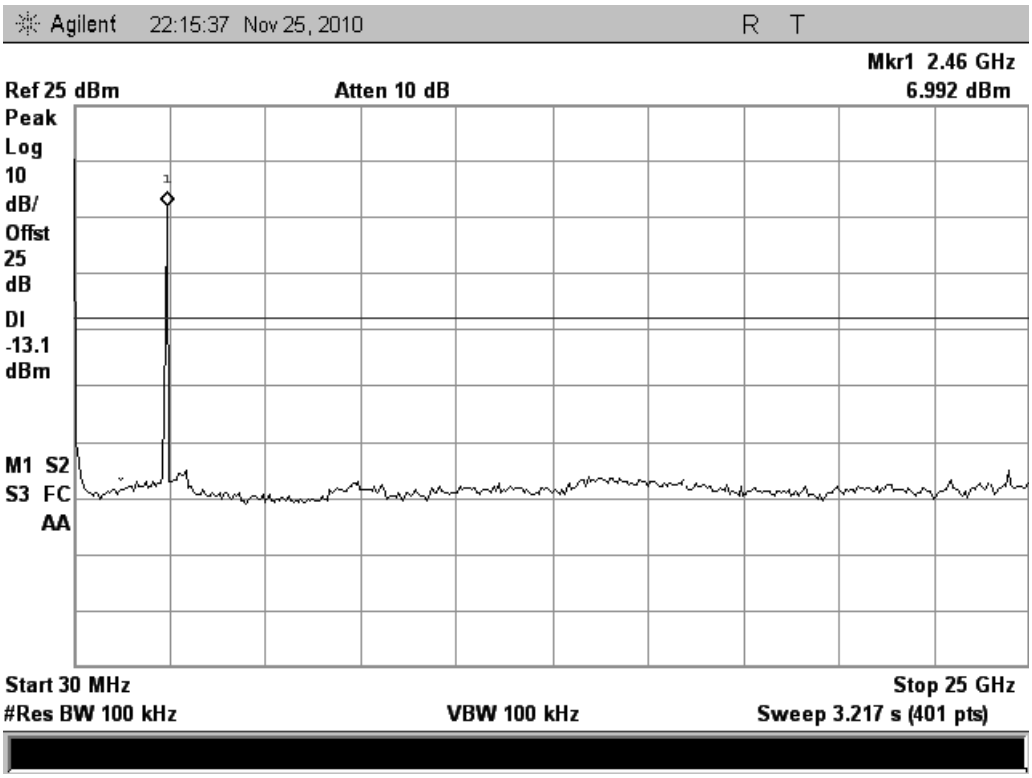
1. The power of the Module transmitting frequency should be ignored.

5.2.3.2 802.11g Test Mode

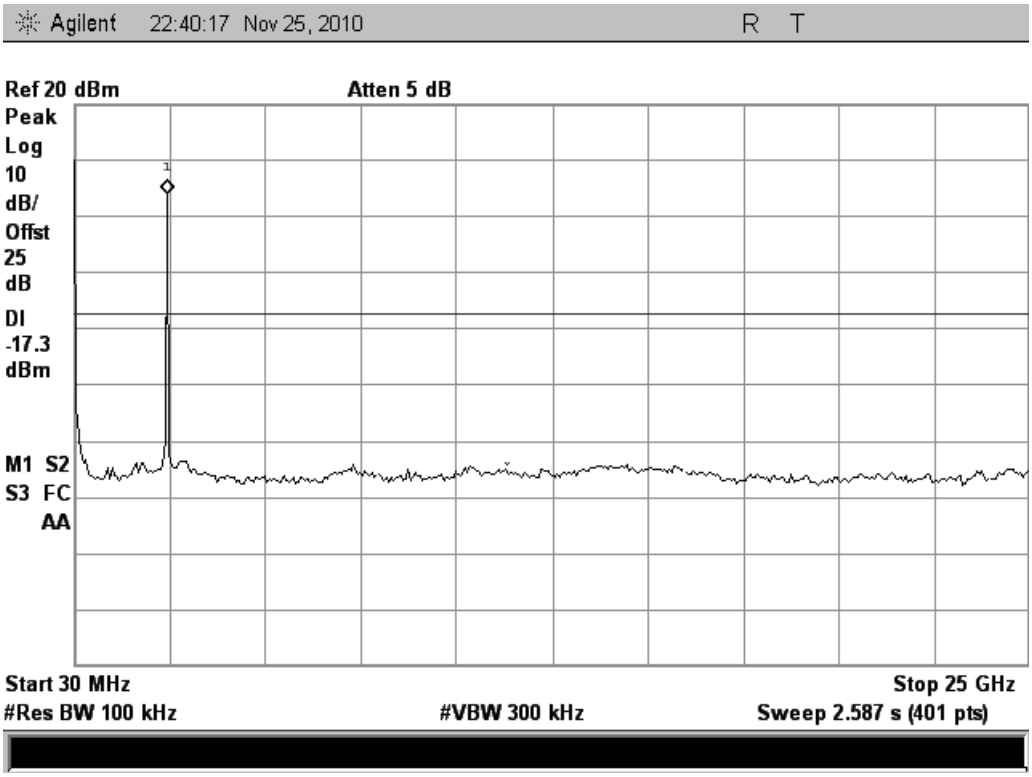
Test Plot:



(CH Low, 30MHz to 25GHz)



(CH Mid, 30MHz to 25GHz)



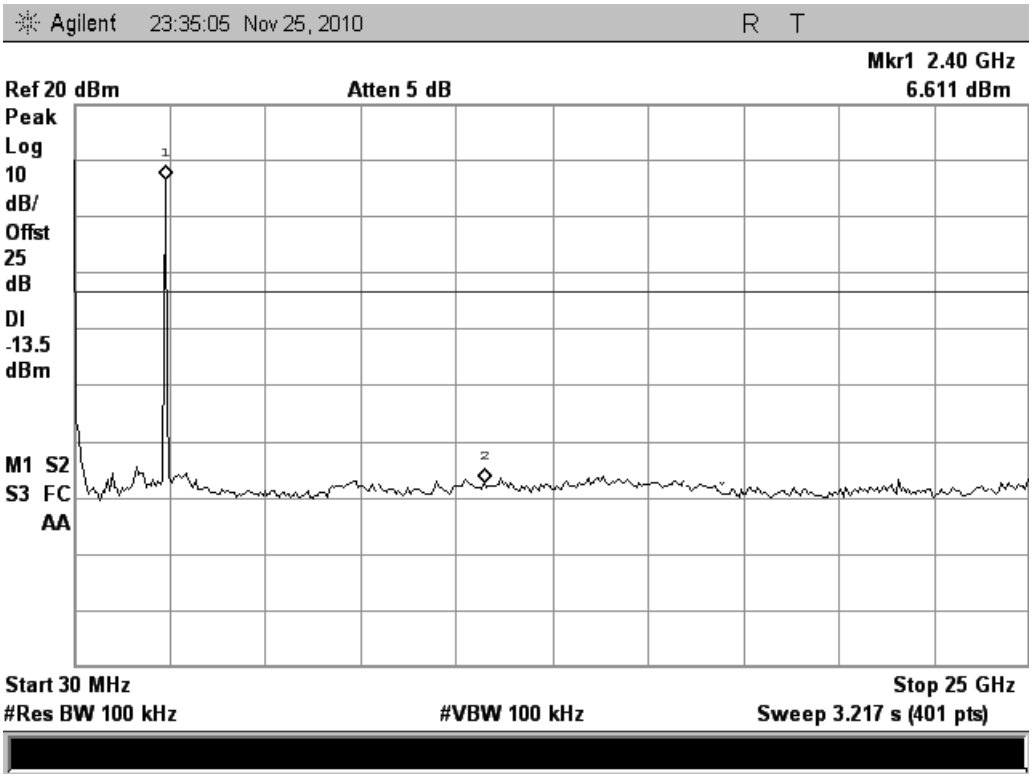
(CH High, 30MHz to 25GHz)

Note:

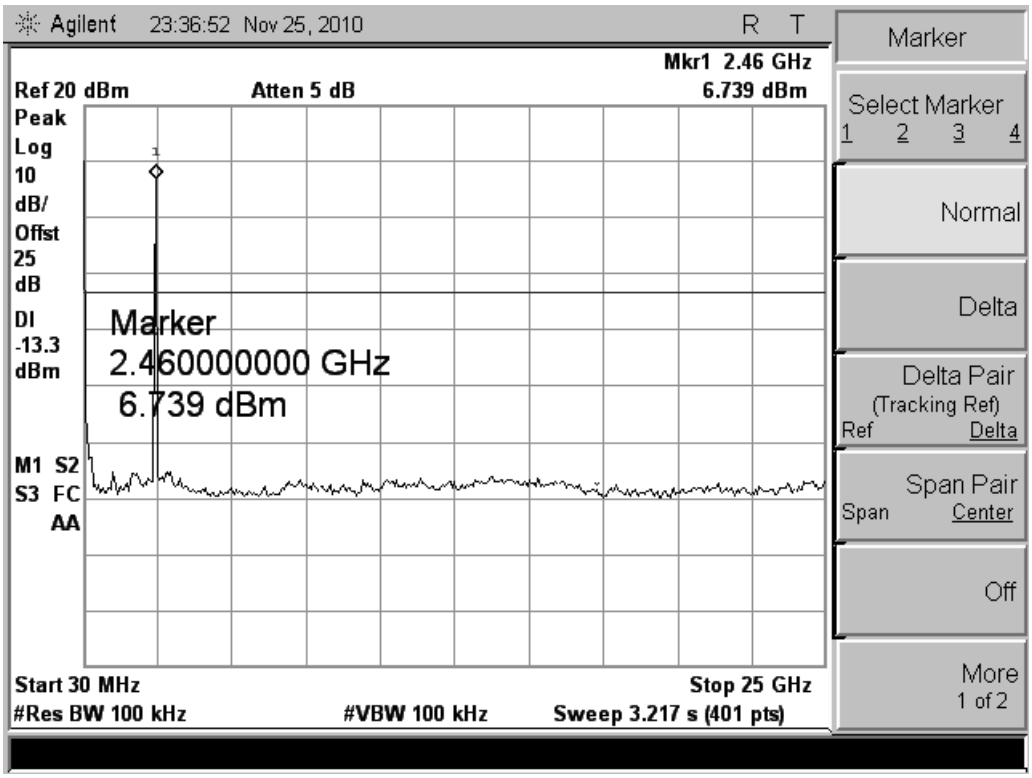
1. The power of the Module transmitting frequency should be ignored.

5.2.3.3 802.11n Test Mode(Standard-20 MHz Channel mode)

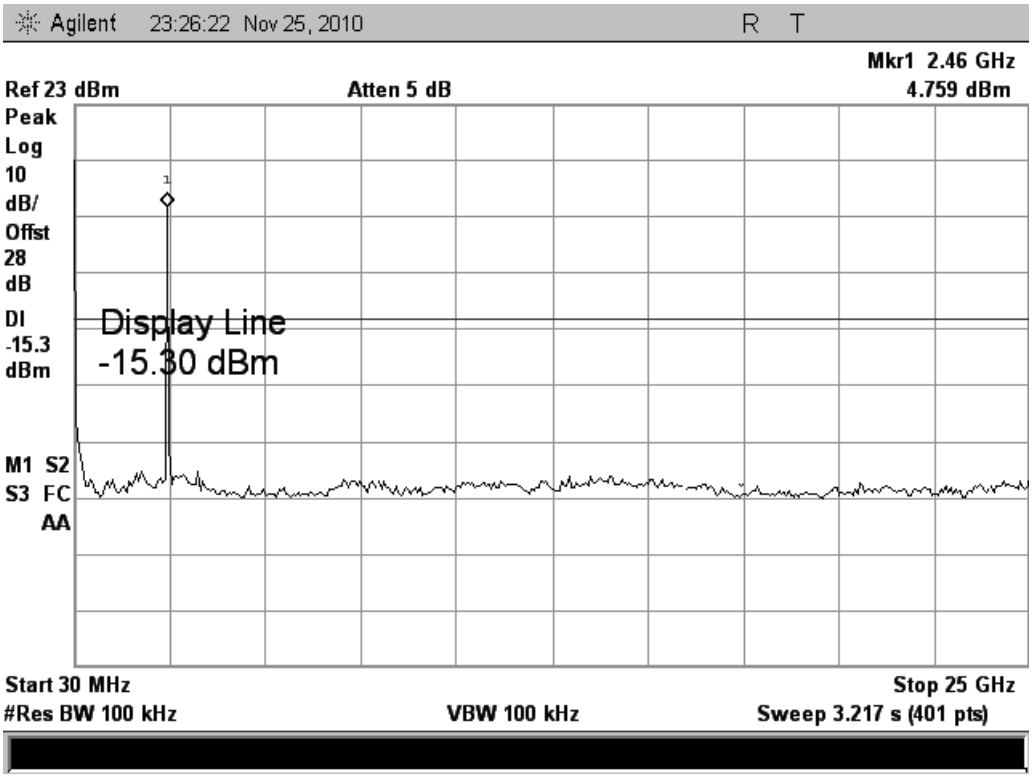
Test Plot:



(CH Low, 30MHz to 25GHz)



(CH Mid, 30MHz to 25GHz)



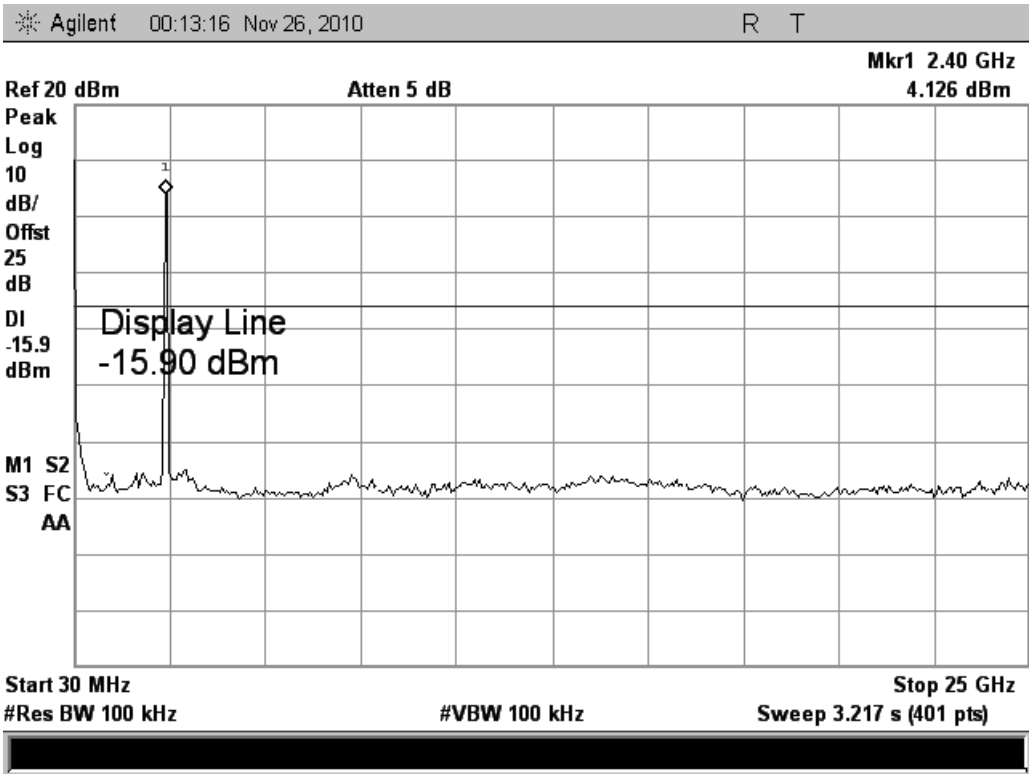
(CH High, 30MHz to 25GHz)

Note:

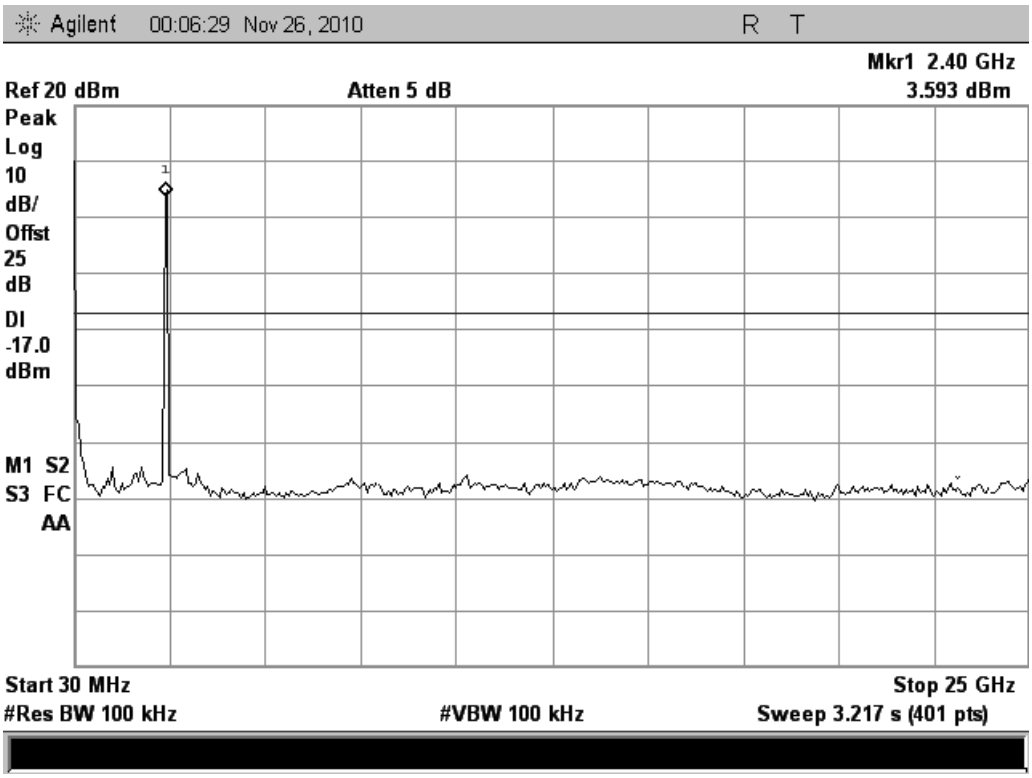
2. The power of the Module transmitting frequency should be ignored.

5.2.3.4 802.11n Test Mode(Standard-40 MHz Channel mode)

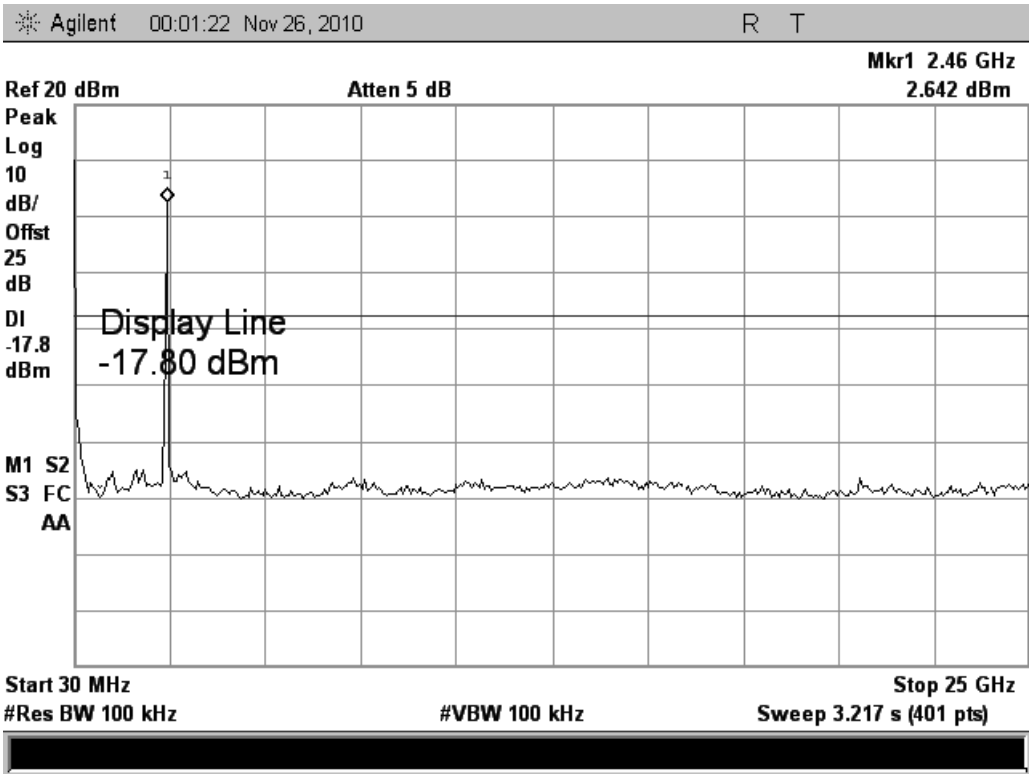
Test Plot:



(CH Low, 30MHz to 25GHz)



(CH Mid, 30MHz to 25GHz)



(CH High, 30MHz to 25GHz)

Note:

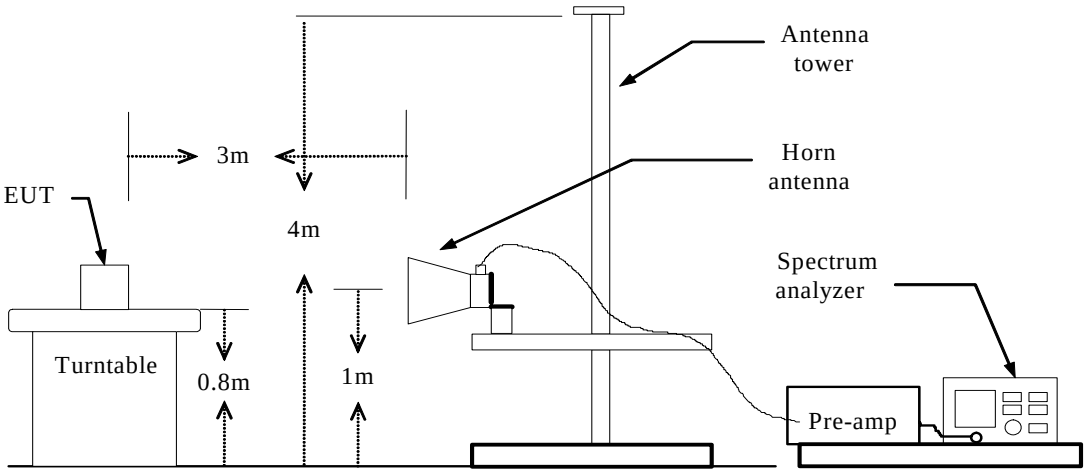
1. The power of the Module transmitting frequency should be ignored.

5.4 Band Edge

5.4.1 Definition

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

5.4.2 Test Description



5.4.3 Test Result

The EUT operates at continuous transmit test mode. The lowest and highest channels are tested to verify the band edge emissions.

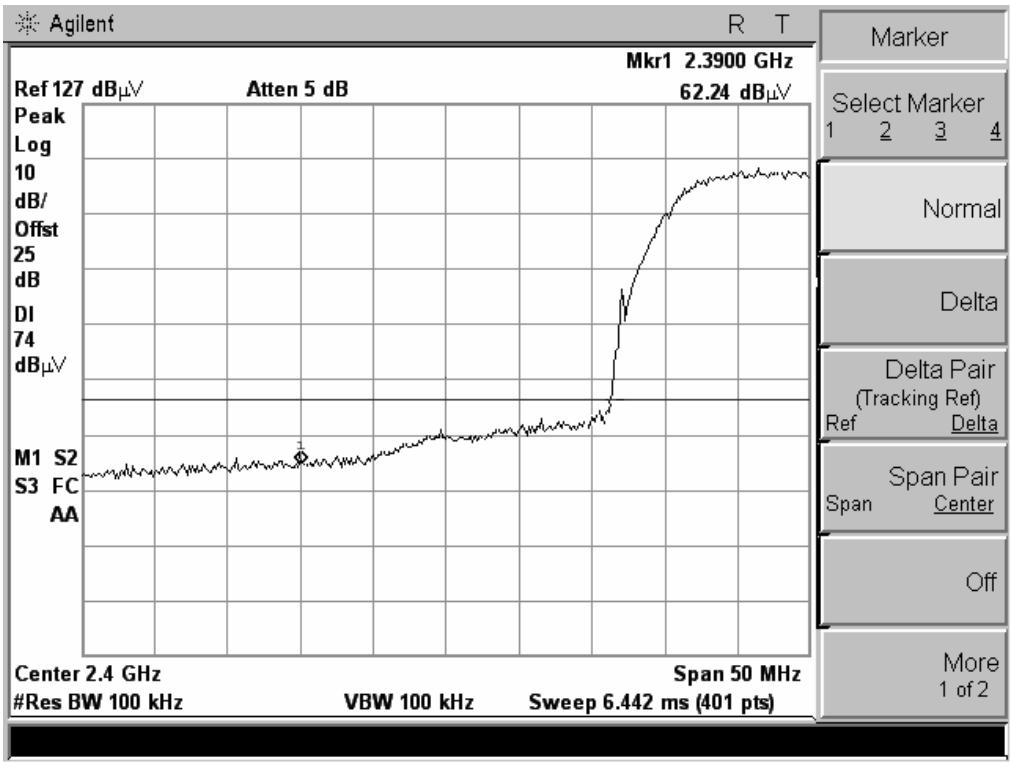
Test Mode	Channel Marked Frequency	Test Result Highest Emission (dBuv/m)			
		Horizontal		Vertical	
		Peak	Average	Peak	Average
802.11b	2390MHz	62.24	44.32	64.18	45.12
	2400MHz	67.25	47.81	70.44	50.02
	2483.5MHz	69.49	49.35	71.43	51.83
802.11g	2390MHz	69.87	48.08	62.71	40.23
	2400MHz	72.92	50.05	68.53	45.32
	2483.5MHz	70.03	50.51	70.82	50.48
802.11n(20M Channel mode)	2390MHz	54.36	38.53	55.07	36.38
	2400MHz	71.48	48.45	70.63	51.03
	2483.5MHz	70.34	50.02	70.22	50.25
802.11n(40M Channel mode)	2390MHz	67.09	41.85	67.63	45.31
	2400MHz	68.34	49.04	69.55	47.52
	2483.5MHz	70.13	50.30	72.97	50.23

Notes:

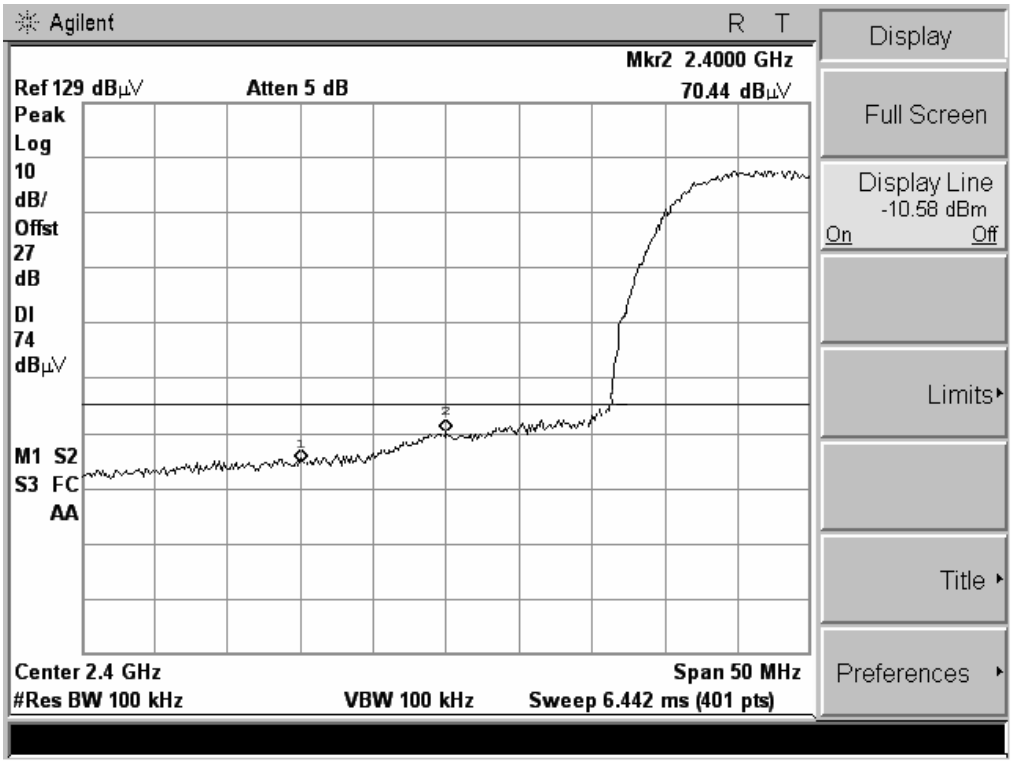
1. " --- " in the table means the data is not measurement in the report.

5.4.3.1 802.11b Test Mode

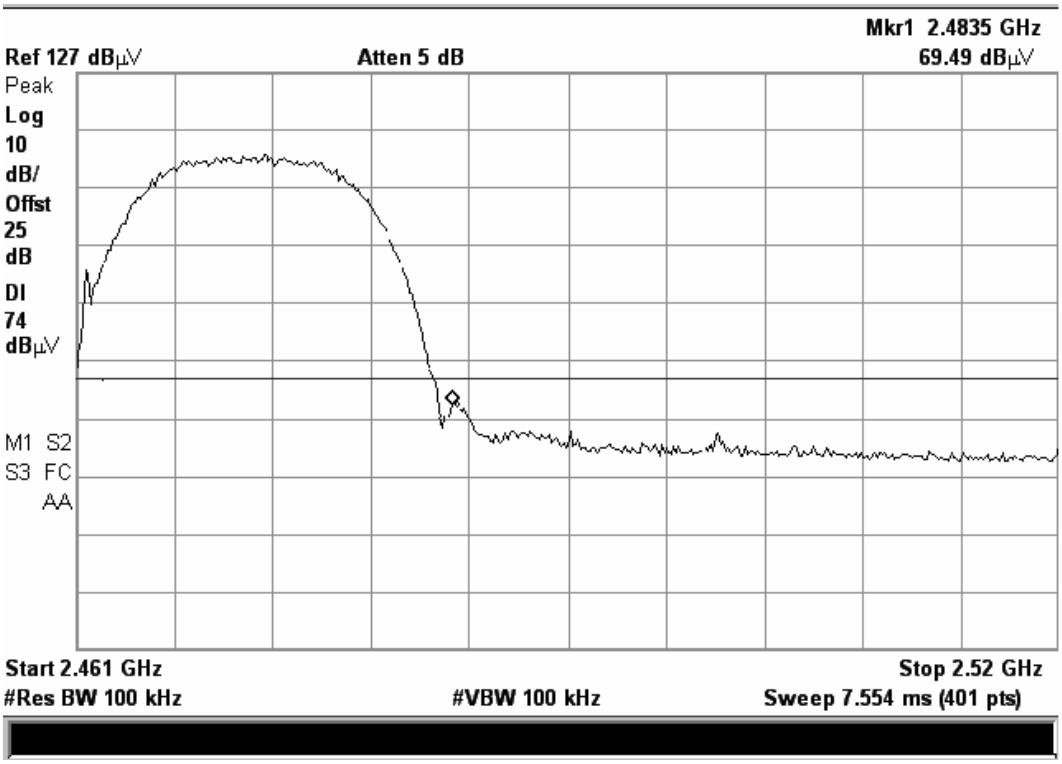
Test Plot:



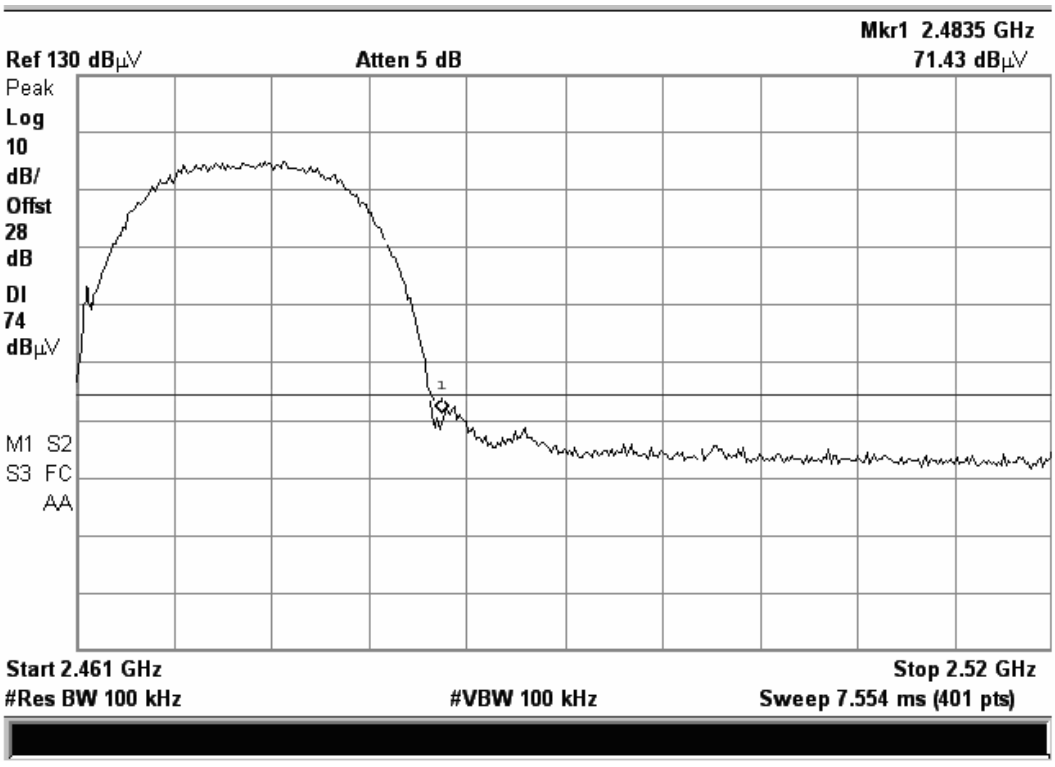
(CH Low, Horizontal, Peak)



(CH Low, Vertical, Peak)



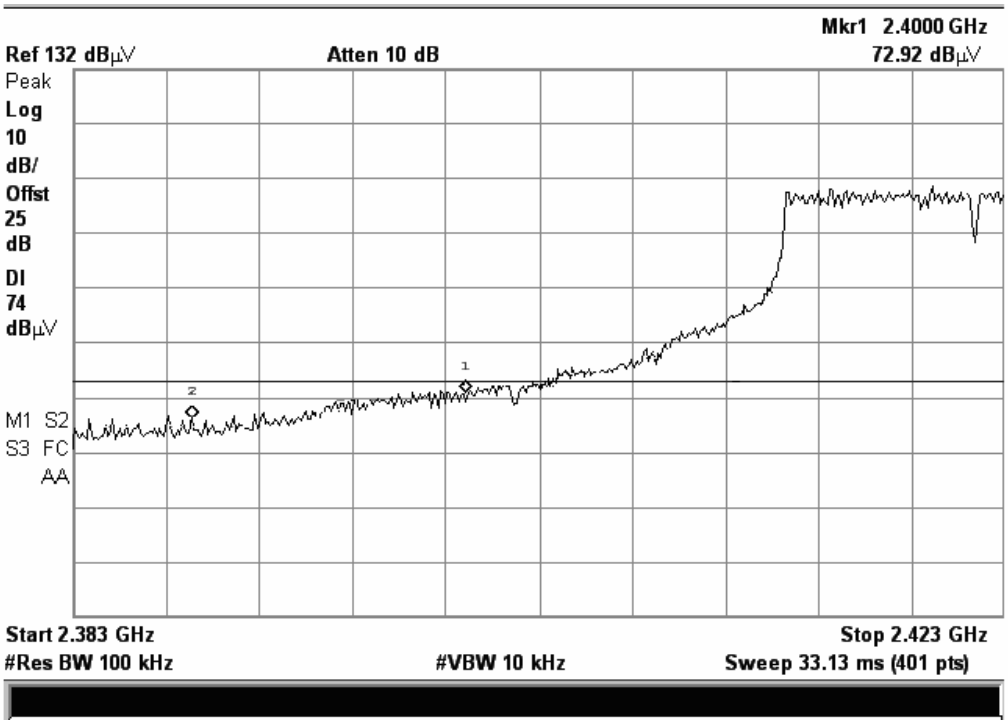
(CH High, Horizontal, Peak)



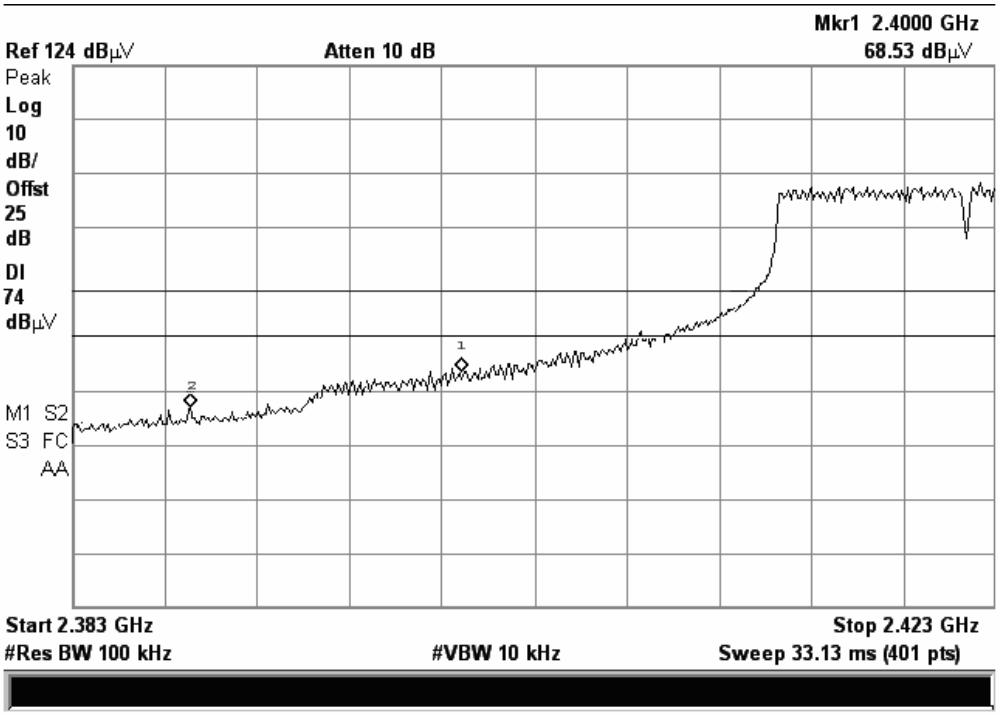
(CH High, Vertical, Peak)

5.4.3.2 802.11g Test Mode

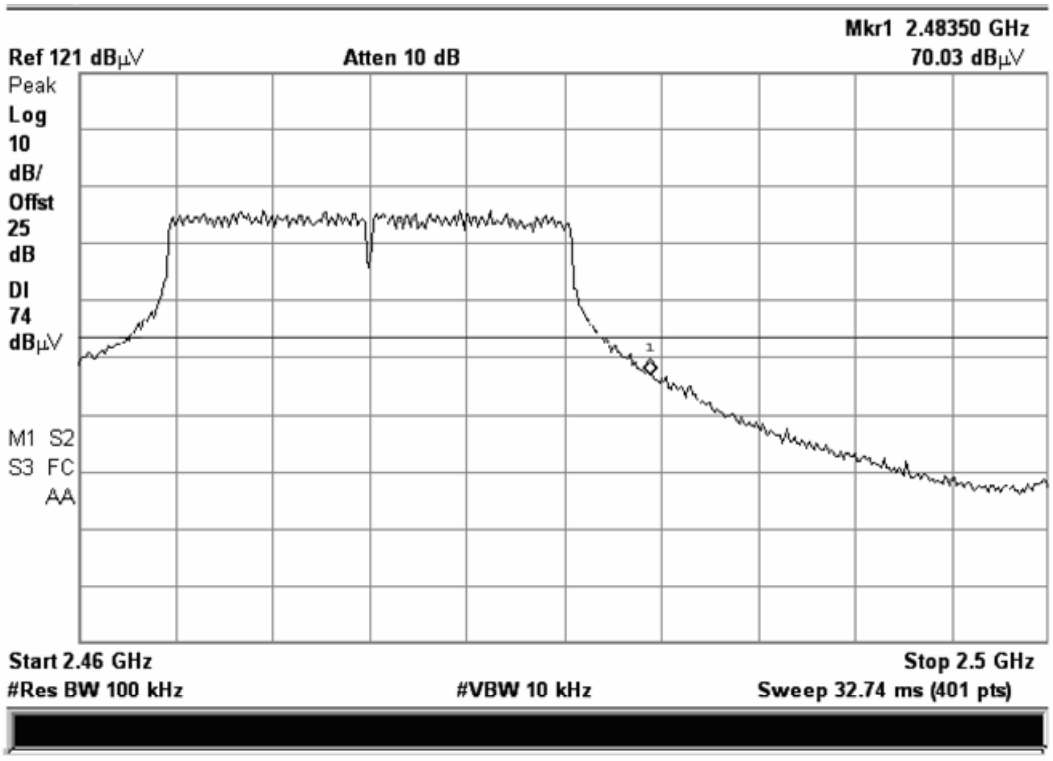
Test Plot:



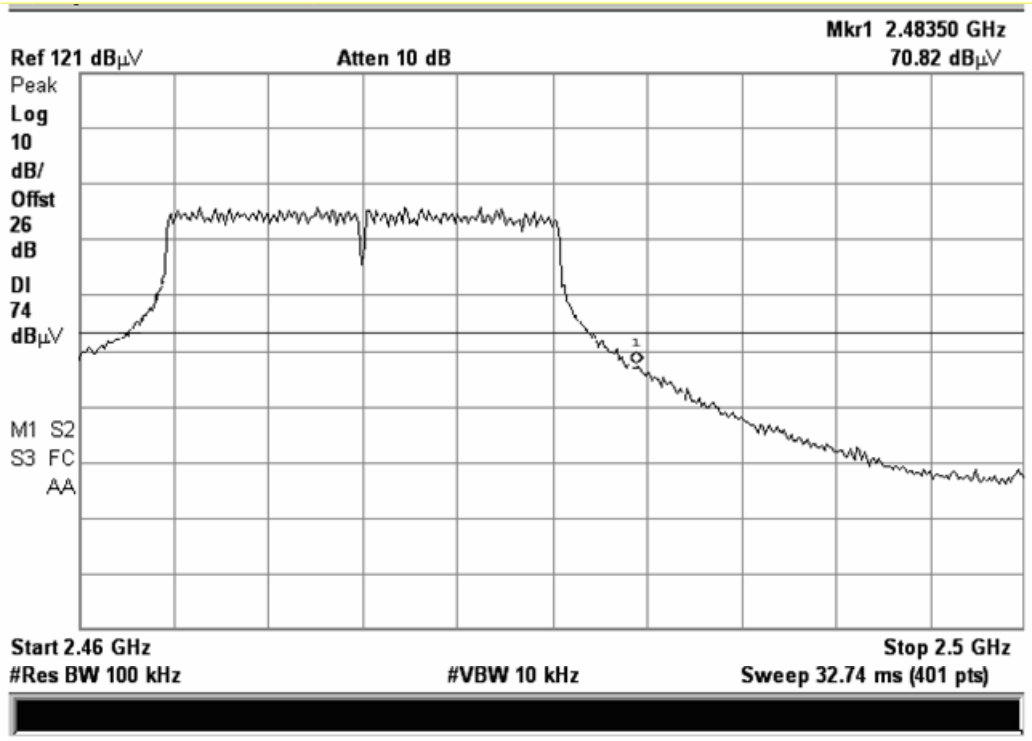
(CH Low, Horizontal, Peak)



(CH Low, Vertical, Peak)



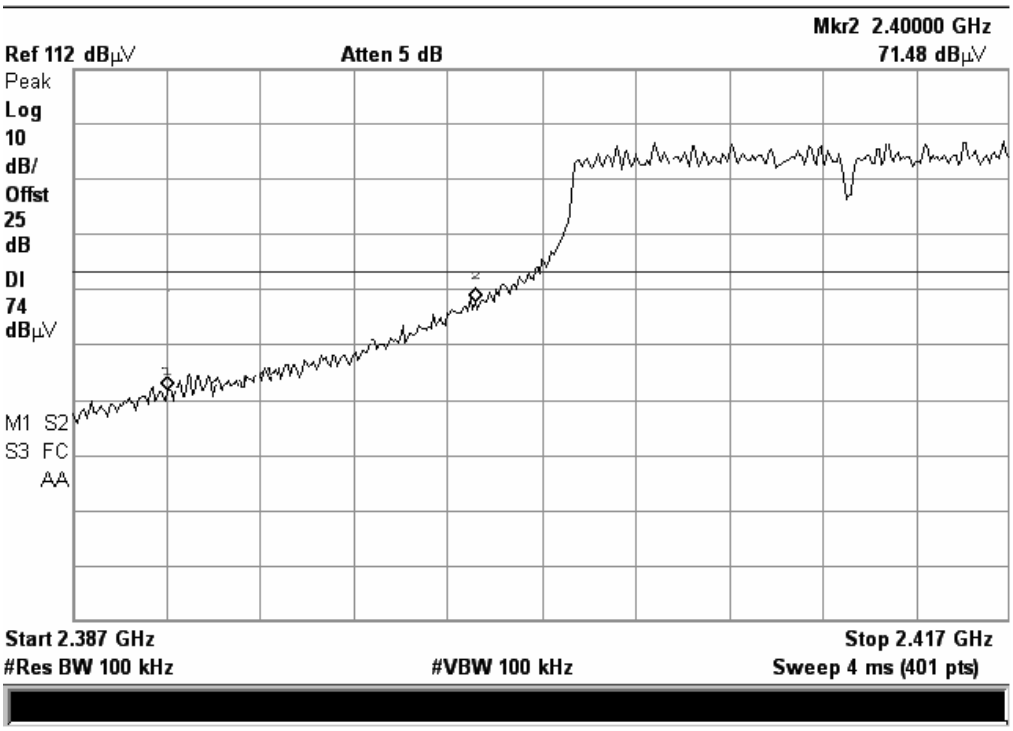
(CH High, Horizontal, Peak)



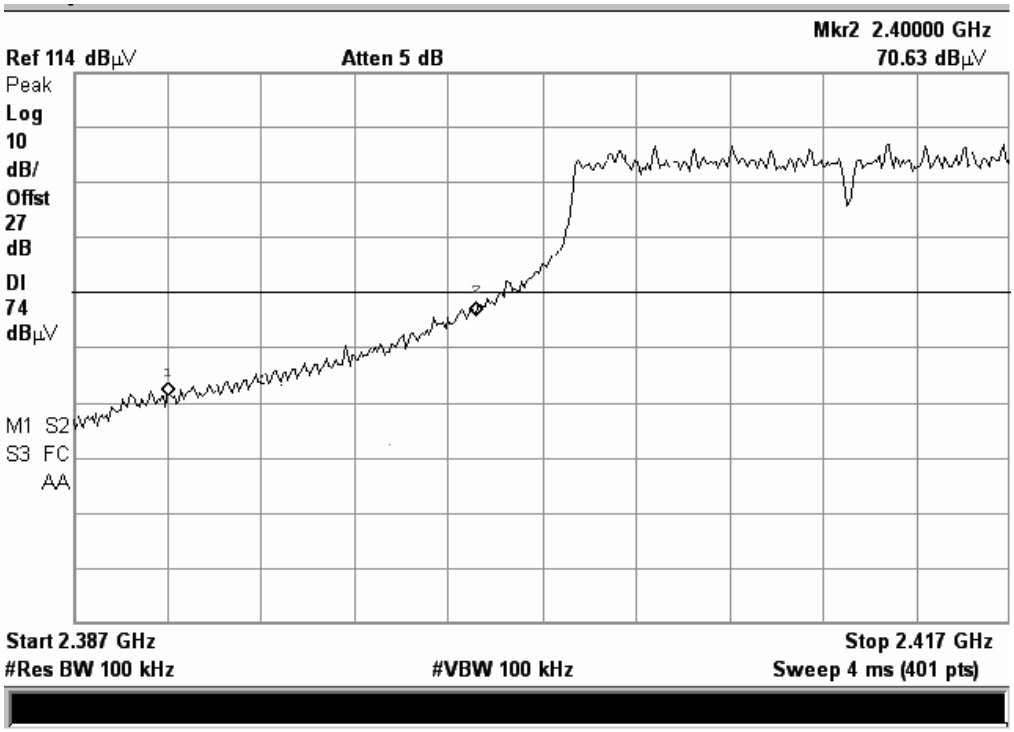
(CH High, Vertical, Peak)

5.4.3.3 802.11n Test Mode (Standard-20 MHz Channel mode)

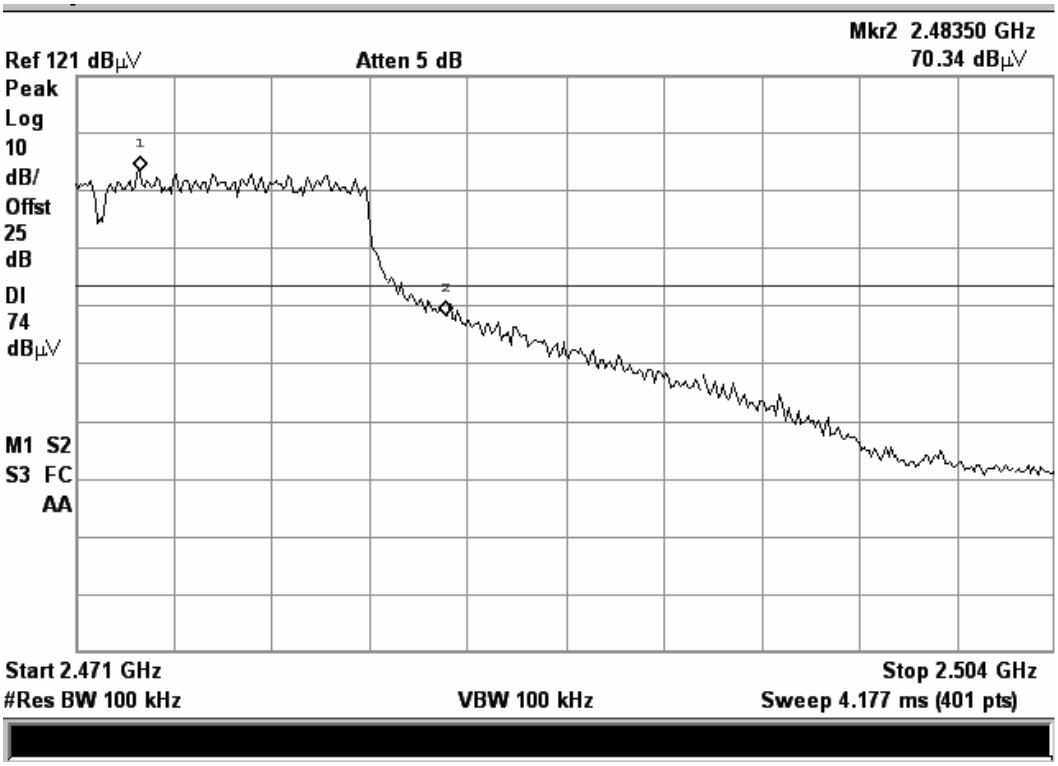
Test Plot:



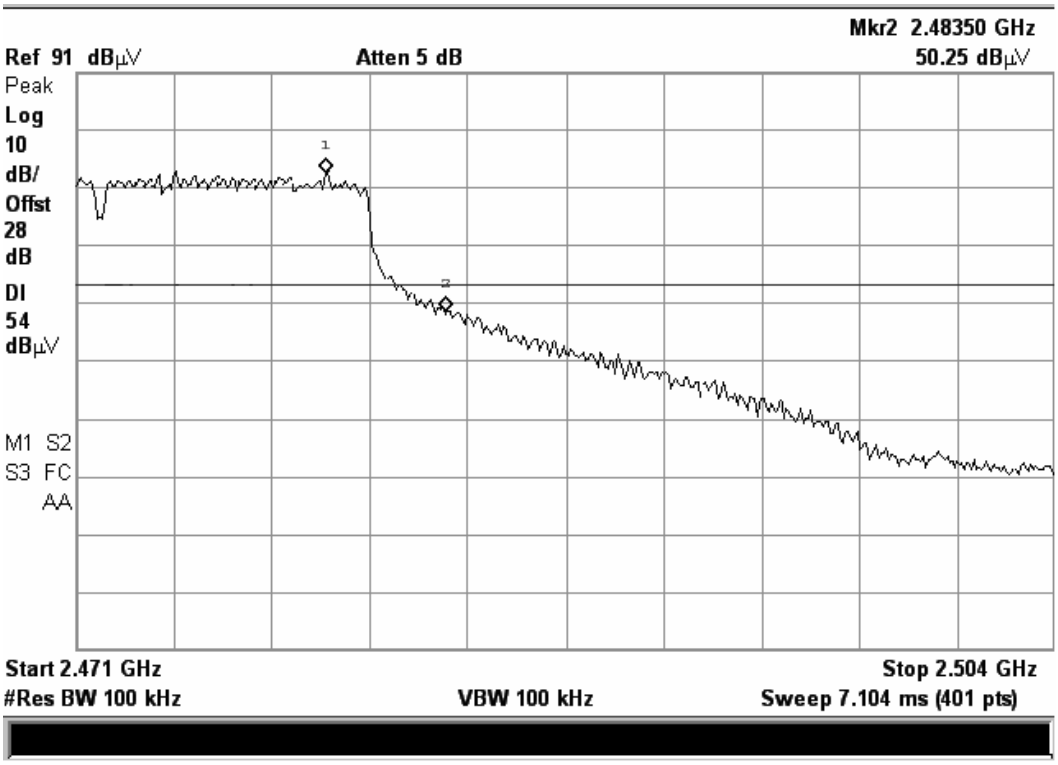
(CH Low, Horizontal, Peak)



(CH Low, Vertical, Peak)



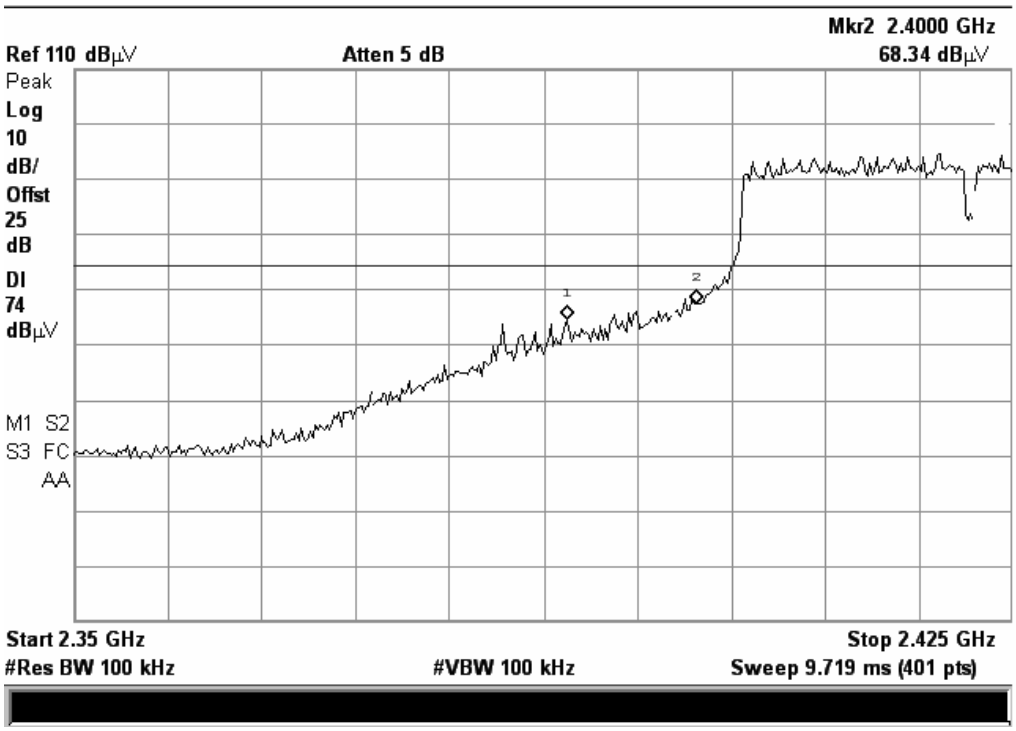
(CH High, Horizontal, Peak)



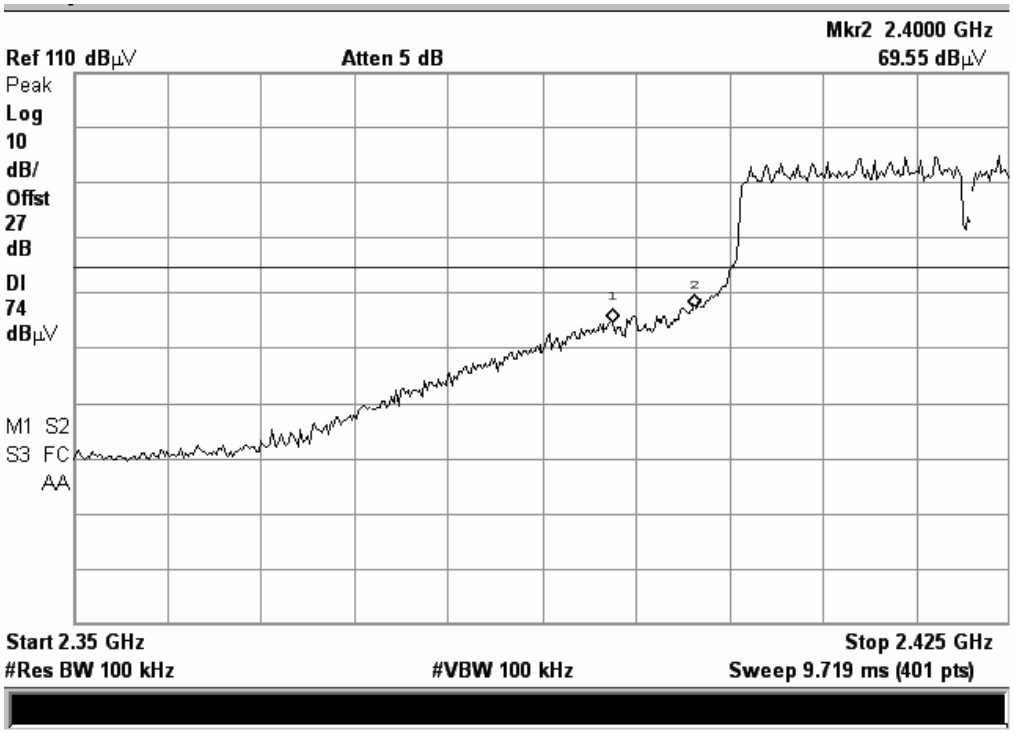
(CH High, Vertical, Peak)

5.4.3.4 802.11n Test Mode (Standard-40 MHz Channel mode)

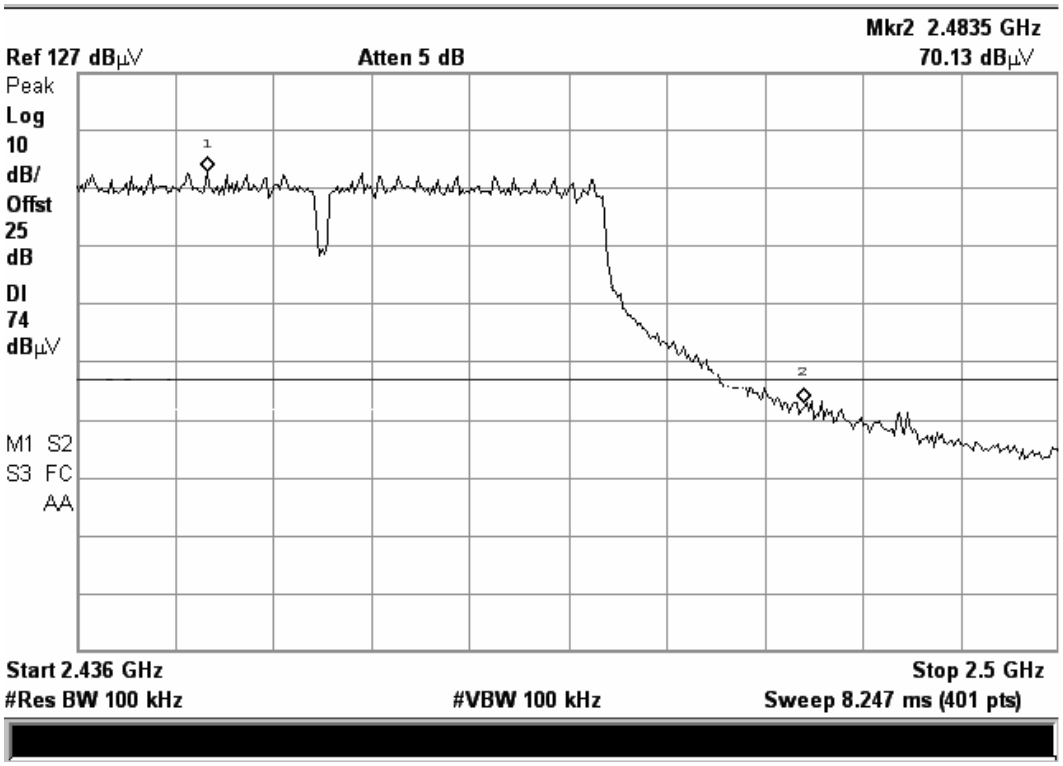
Test Plot:



(CH Low, Horizontal, Peak)



(CH Low, Vertical, Peak)



(CH High, Horizontal, Peak)

(CH High, Vertical, Peak)

5.5 Power Spectral Density (PSD)

5.5.1 Definition

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

5.5.2 Test Description

See section 5.1.2 of this report.

5.5.3 Test Result

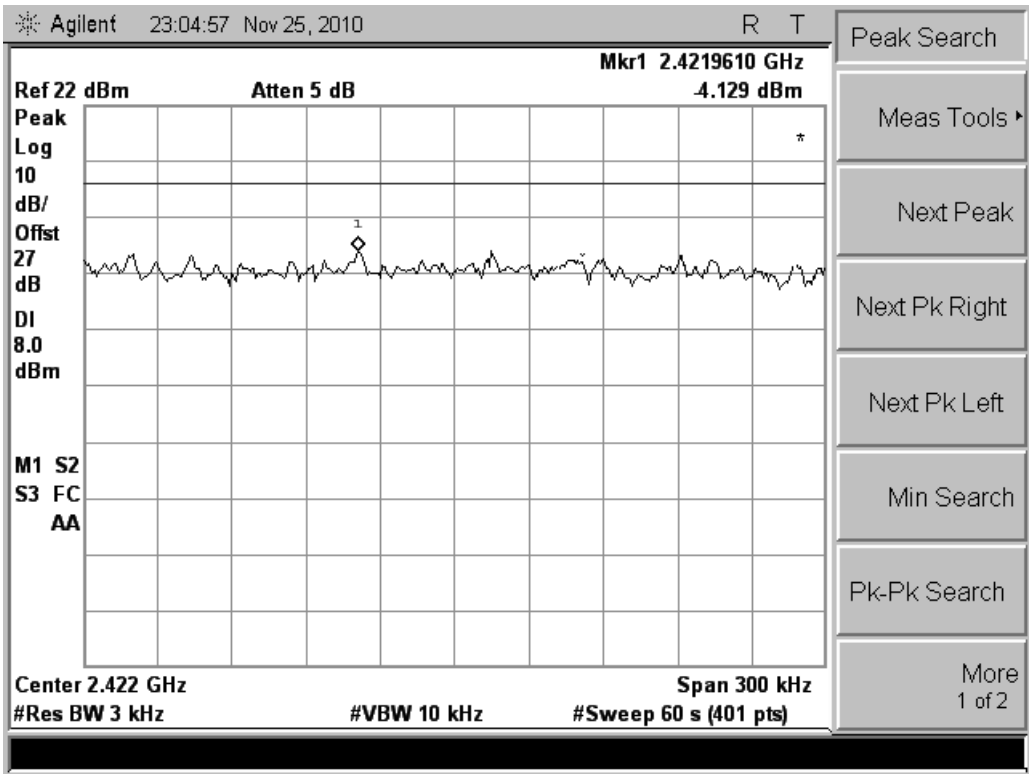
The lowest, middle and highest channels are tested to verify the power spectral density.

5.5.3.1 802.11b Test Mode

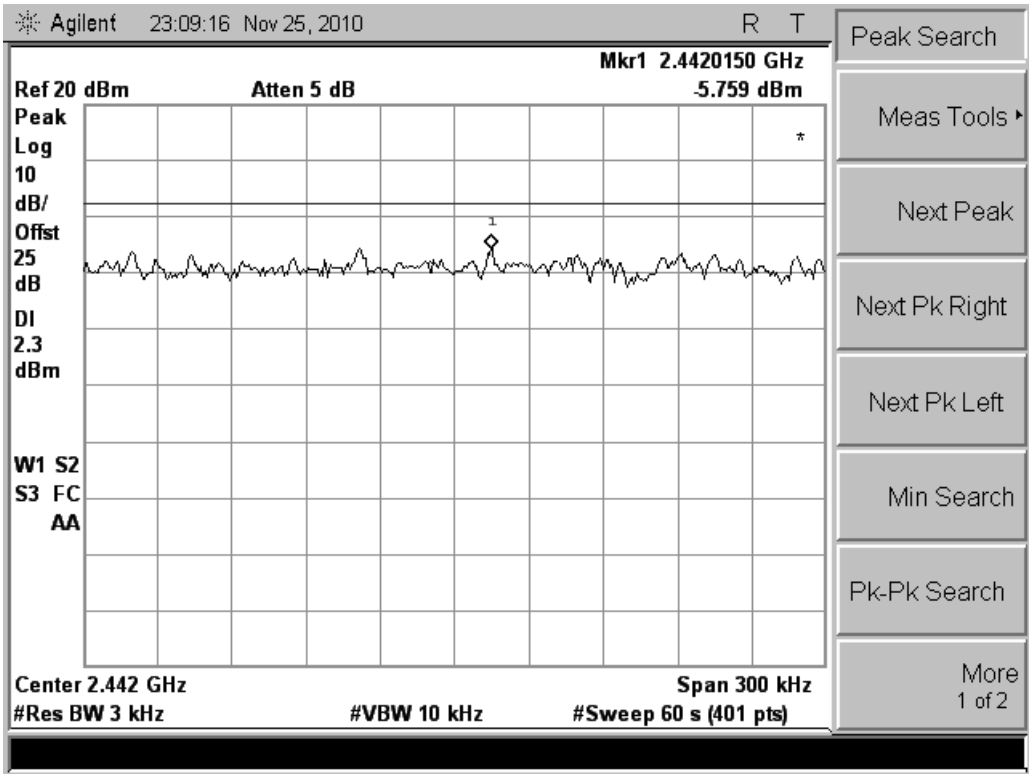
A. Test Verdict:

Channel	Frequency (MHz)	PSD (dBm)	Limits(dBm)	Result
1	2422	-4.129	≤8	PASS
6	2442	-5.759	≤8	PASS
11	2472	-9.111	≤8	PASS

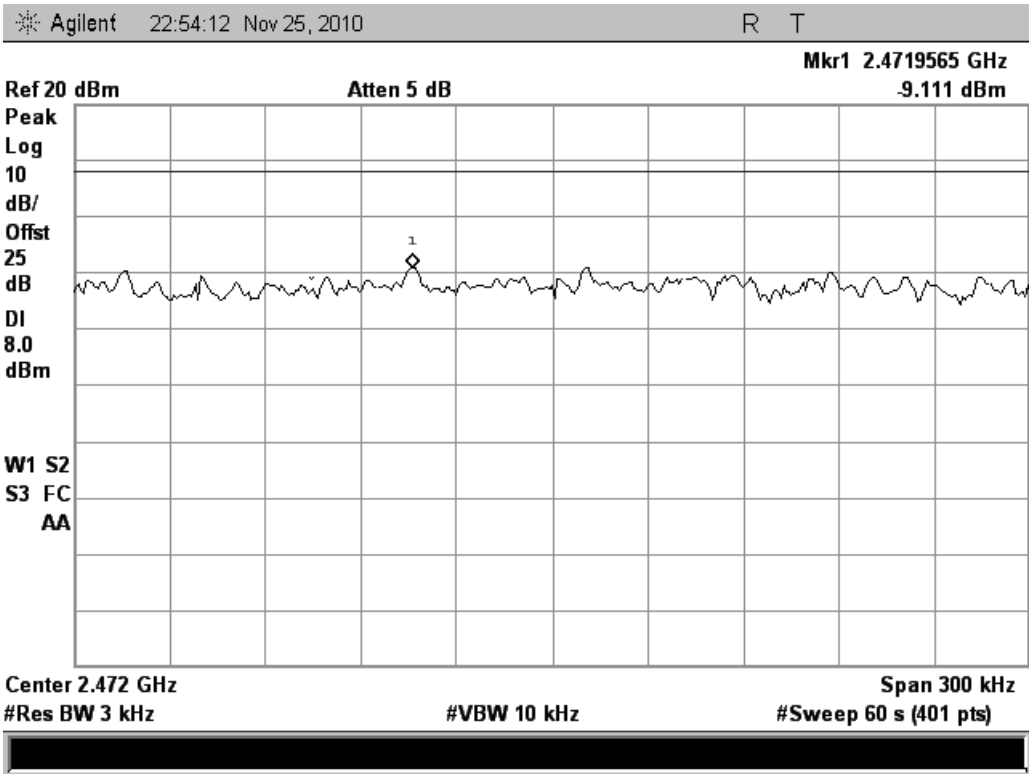
B. Test Plot:



(CH Low)



(CH Mid)



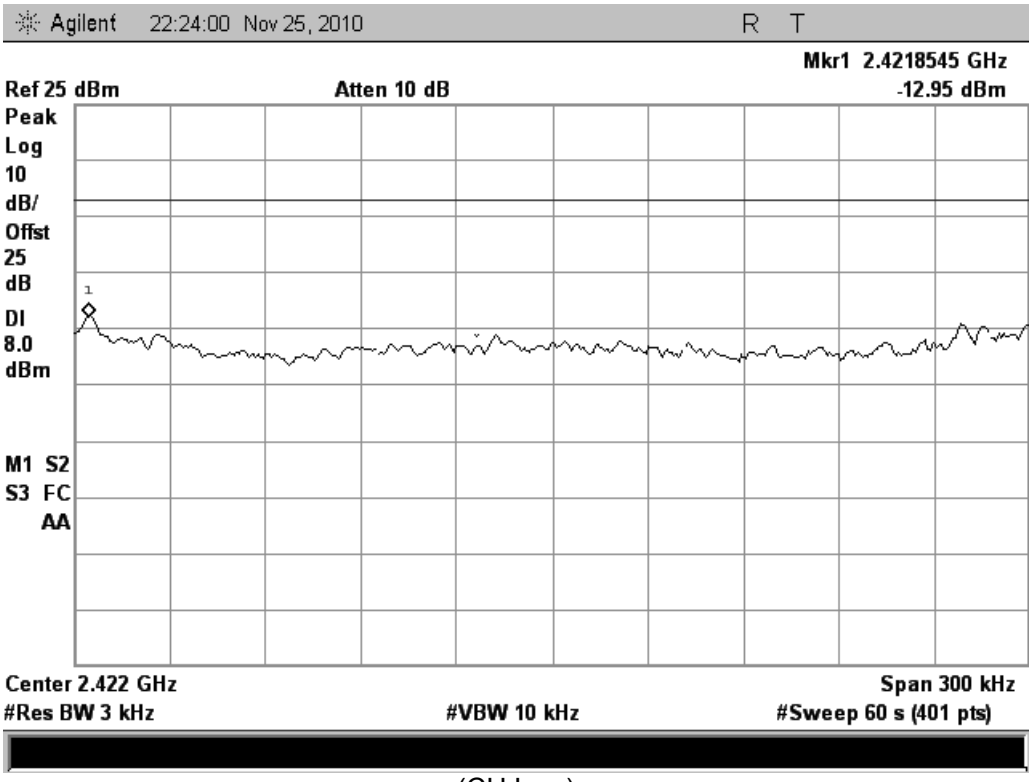
(CH High)

5.5.3.2 802.11g Test Mode

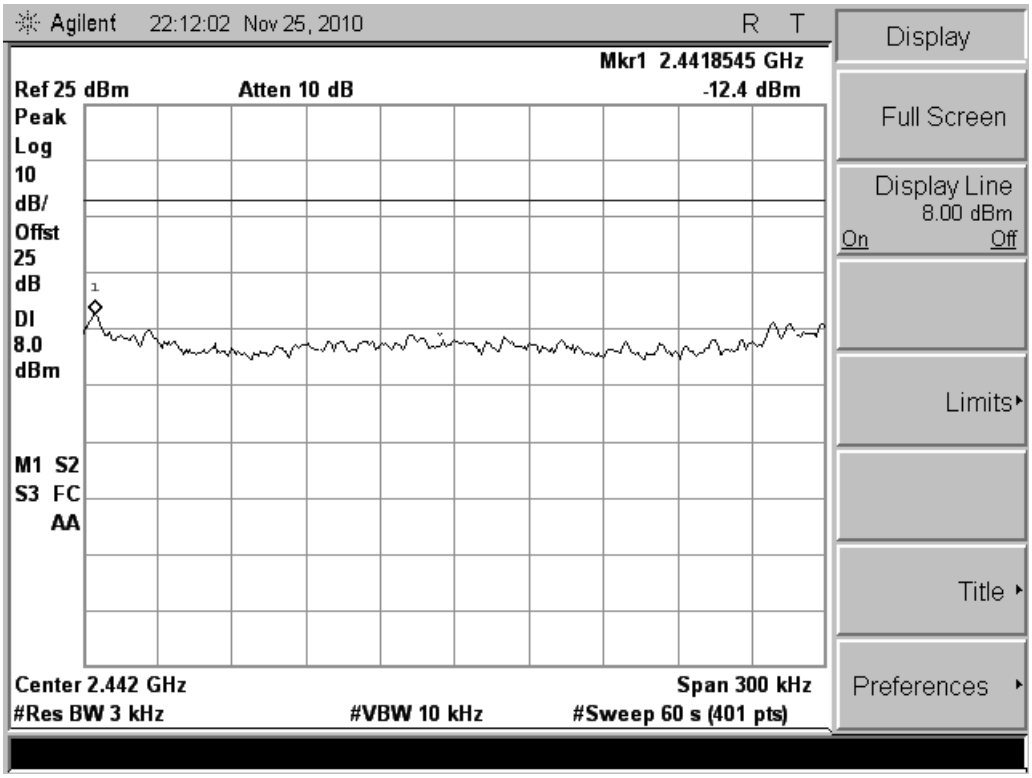
A. Test Verdict:

Channel	Frequency (MHz)	PSD (dBm)	Limits(dBm)	Result
1	2422	-12.95	≤8	PASS
6	2442	-12.4	≤8	PASS
11	2472	-16.8	≤8	PASS

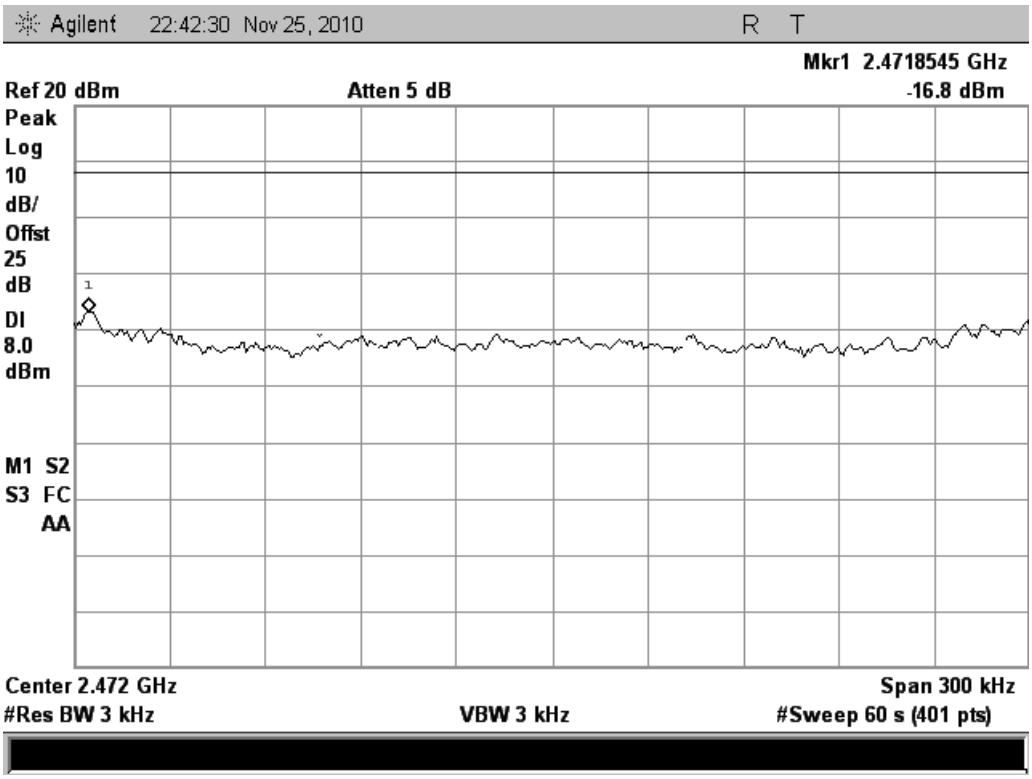
B. Test Plot:



(CH Low)



(CH Mid)



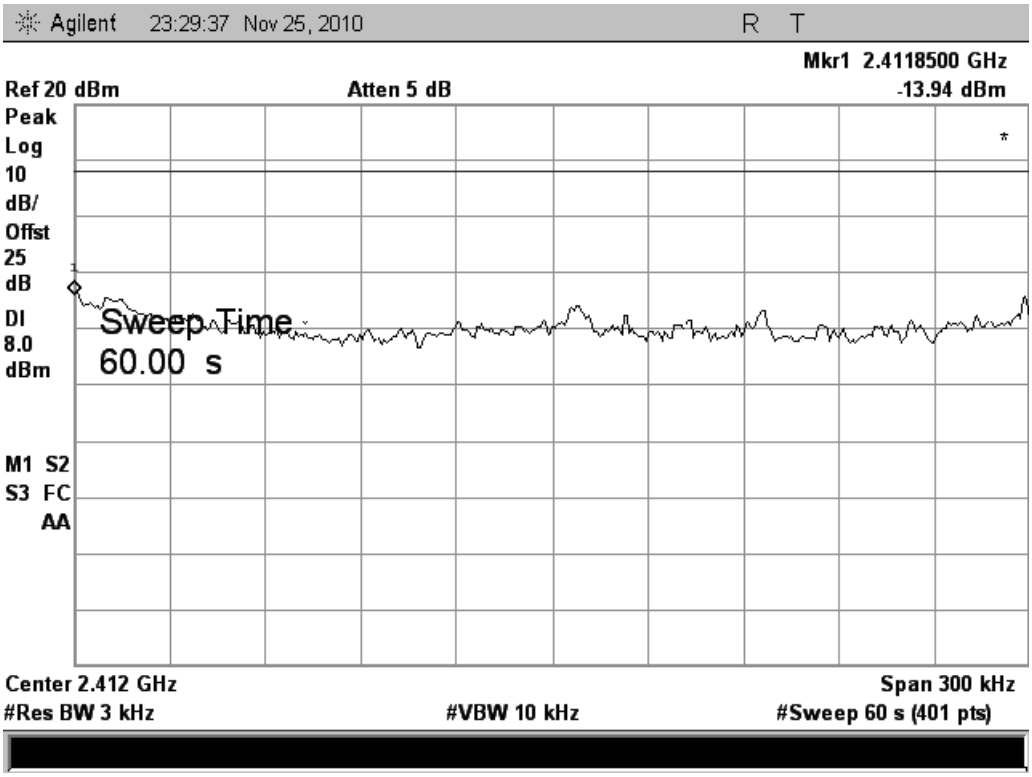
(CH High)

5.5.3.3 802.11n Test Mode (Standard-20 MHz Channel mode)

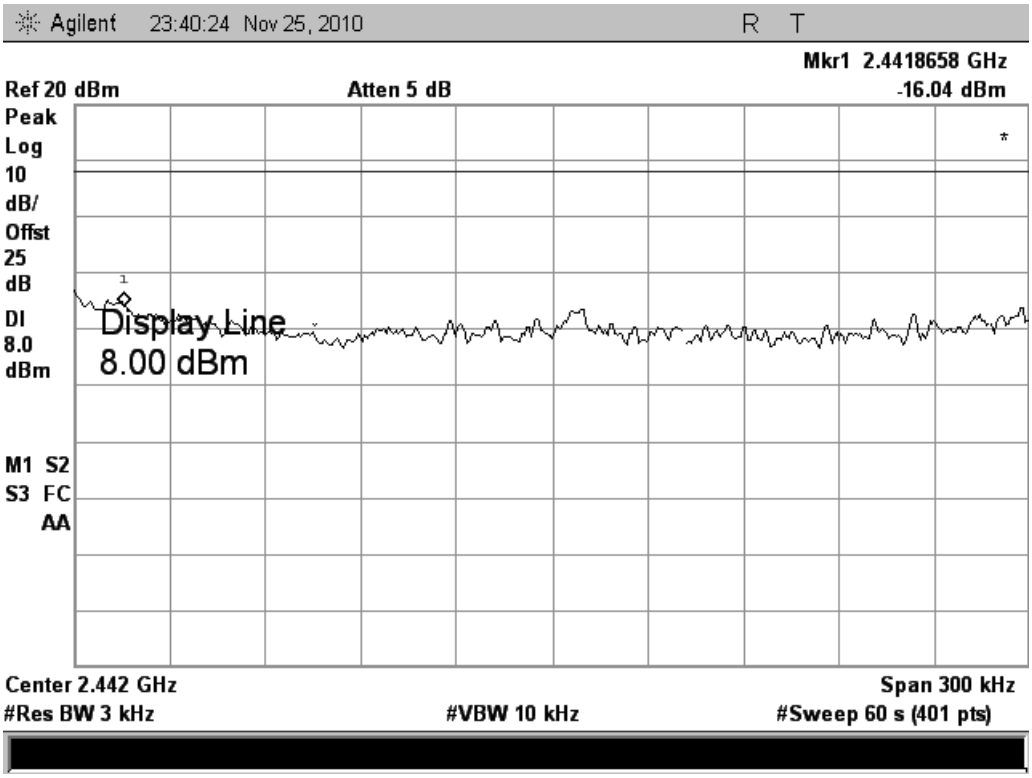
A. Test Verdict:

Channel	Frequency (MHz)	PSD (dBm)	Limits(dBm)	Result
1	2412	-13.94	≤8	PASS
7	2442	-16.04	≤8	PASS
13	2472	-12.32	≤8	PASS

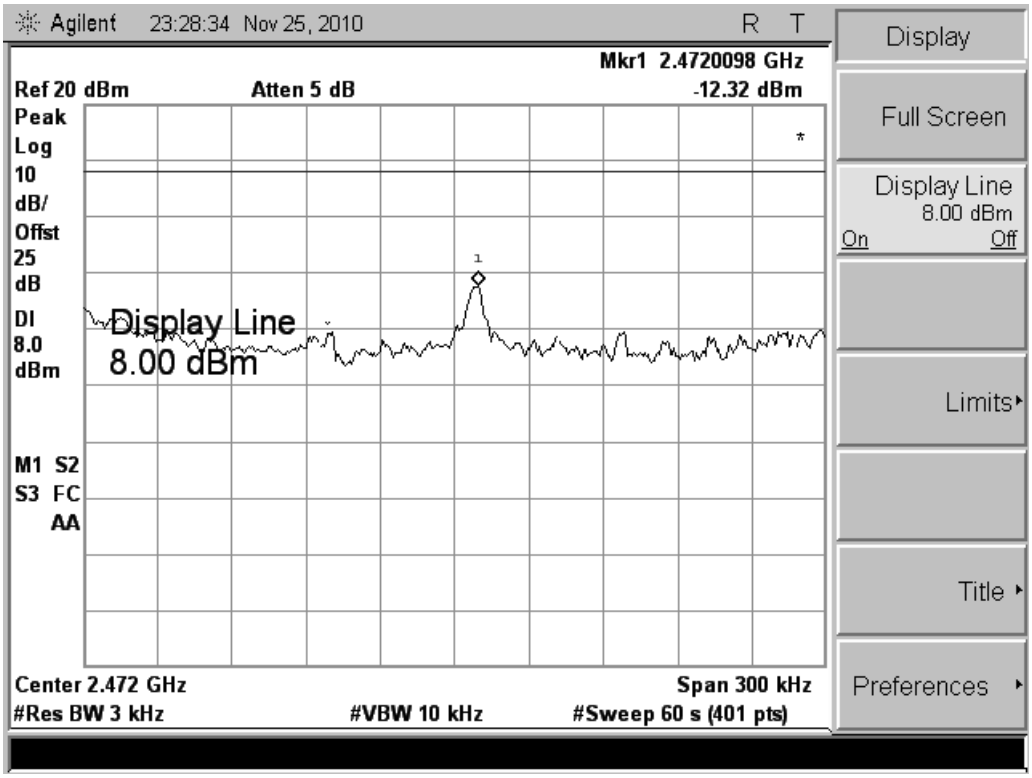
B. Test Plot:



(CH Low)



(CH Mid)



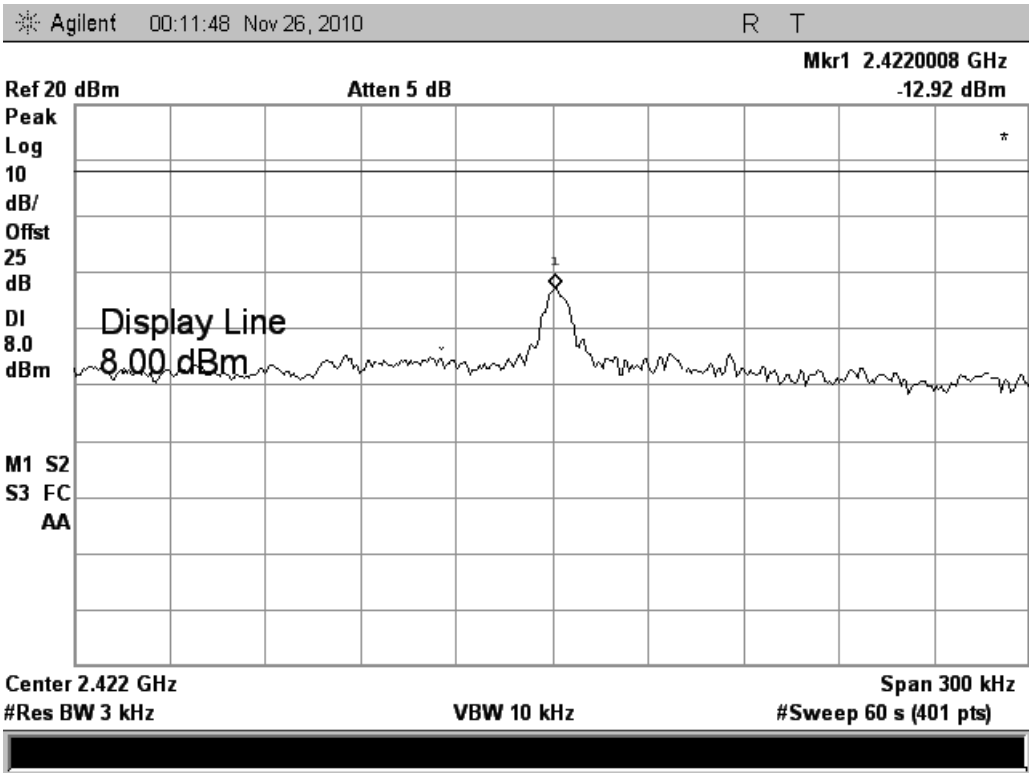
(CH High)

5.5.3.4 802.11n Test Mode (Standard-40 MHz Channel mode)

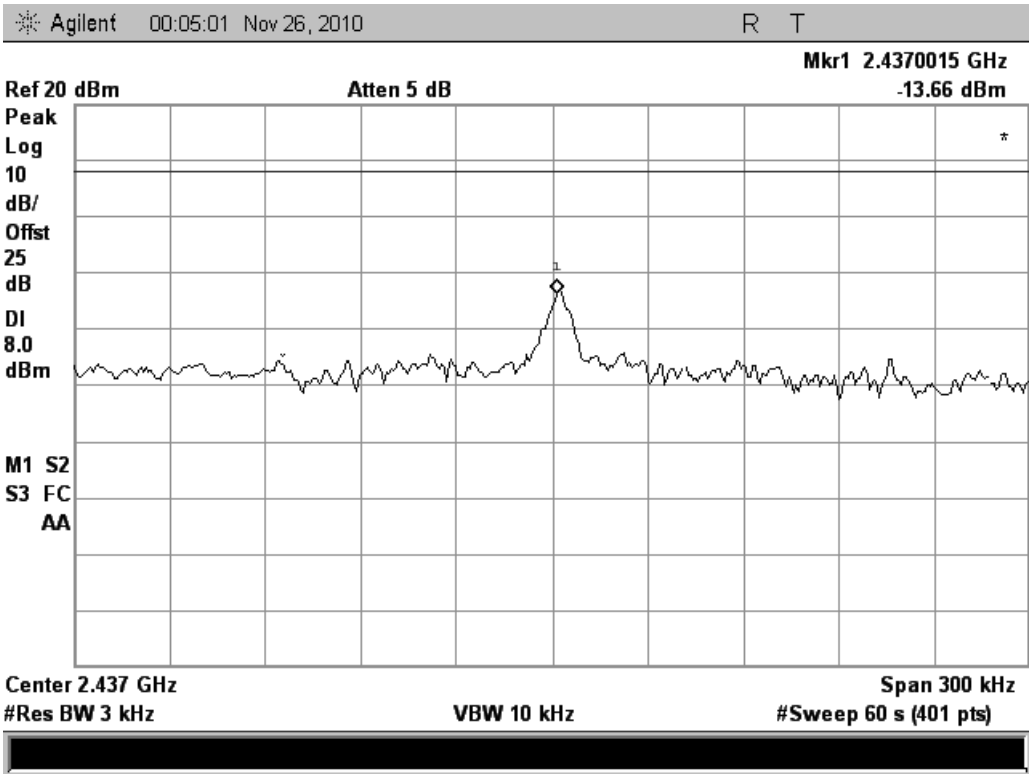
A. Test Verdict:

Channel	Frequency (MHz)	PSD (dBm)	Limits(dBm)	Result
1	2422	-12.92	≤8	PASS
4	2437	-13.66	≤8	PASS
7	2452	-23.36	≤8	PASS

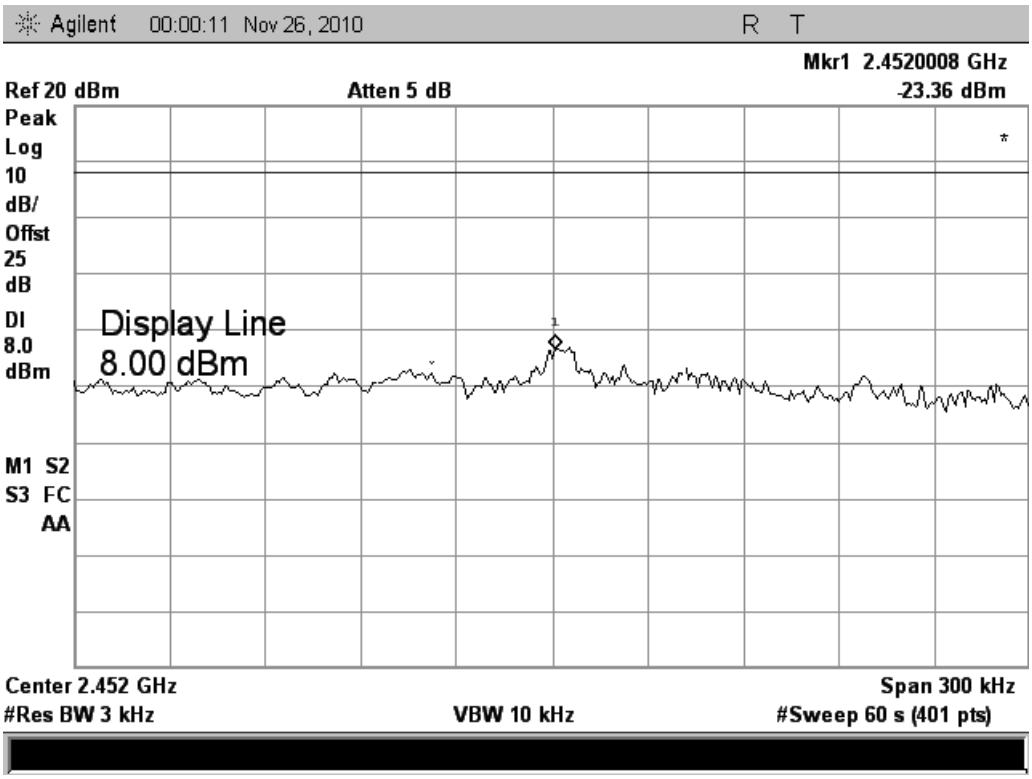
B. Test Plot:



(CH Low)



(CH Mid)



(CH High)

5.6 Conducted Emission

5.6.1 Definition

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz-500kHz	66-56	56-46
500kHz-5MHz	56	46
5MHz-30MHz	60	50

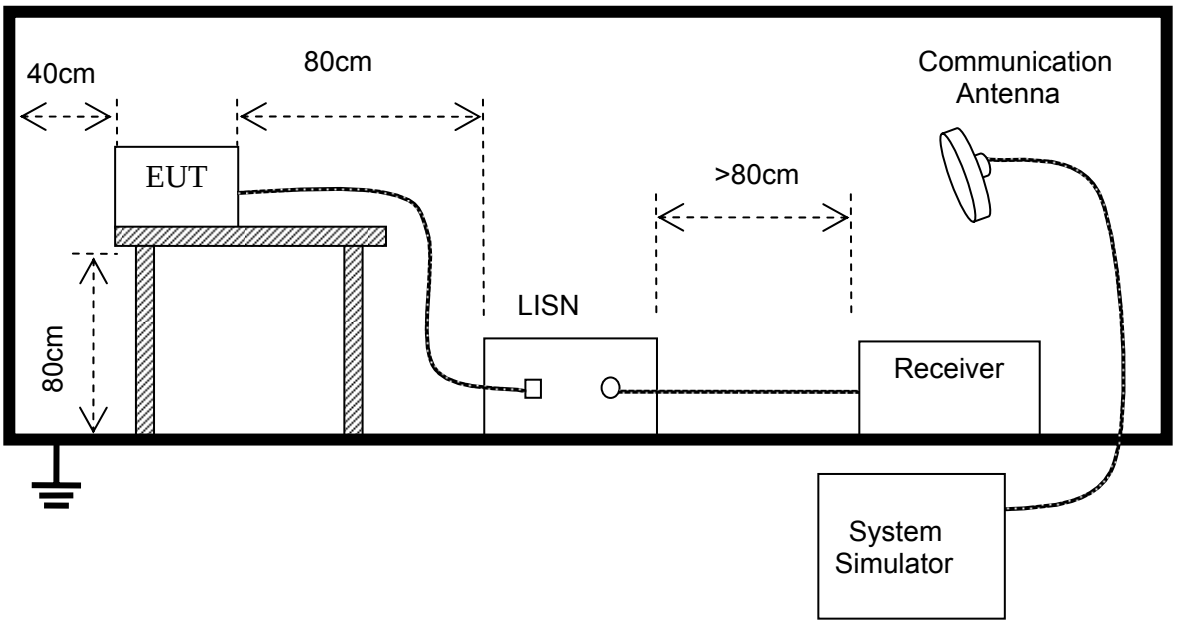
Note:

1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

5.6.2 Test Description

The EUT is powered by the Battery charged with the AC Adapter which is powered by 120V, 60Hz AC mains supply. The path loss as the factor is calibrated to correct the reading. During the measurement, the EUT is activated and is set to operate at maximum power.

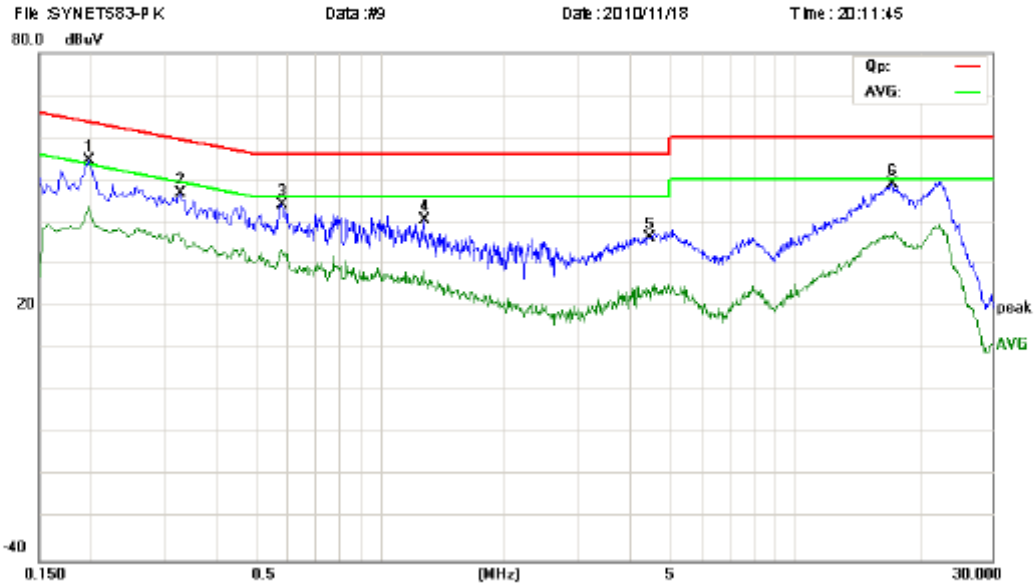


5.6.3 Test Result

A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86170306 Fax: 0755-86170310

Conducted Emission Measurement



Site site #1
Limit: FCC Part15 B Class B QP
EUT: NOTEBOOK COMPUTER
M/N: SYNET583-PK
Mode: WIFI Mode
Note:

Phase: N
Power: AC 120V/60Hz

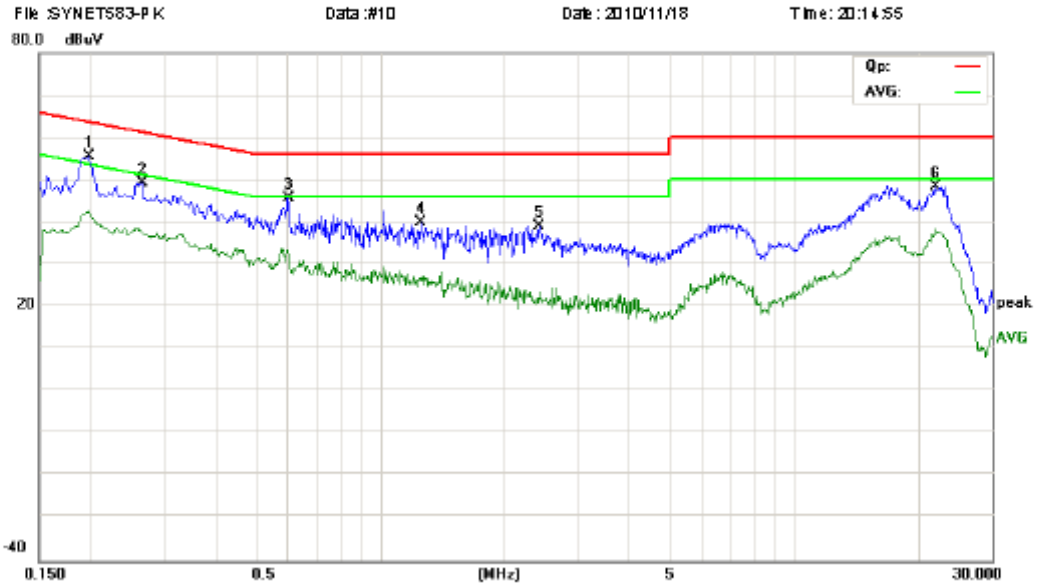
Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1980	42.87	11.88	54.75	63.69	-8.94	peak	
2		0.3300	35.60	11.13	46.73	59.45	-12.72	peak	
3		0.5780	34.27	10.00	44.27	56.00	-11.73	peak	
4		1.2740	30.74	9.73	40.47	56.00	-15.53	peak	
5		4.4700	24.98	11.47	36.45	56.00	-19.55	peak	
6		17.1180	40.04	9.00	49.04	60.00	-10.96	peak	

*:Maximum data x:Over limit !:over margin

Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86170306 Fax: 0755-86170310

Conducted Emission Measurement



Site site #1
Limit: FCC Part15 B Class B QP
EUT: NOTEBOOK COMPUTER
M/N: SYNET583-PK
Mode: WIFI Mode
Note:

Phase: L1
Power: AC 120V/60Hz

Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1980	43.67	11.88	55.55	63.69	-8.14	peak	
2		0.2660	37.75	11.56	49.31	61.24	-11.93	peak	
3		0.5980	35.53	10.00	45.53	56.00	-10.47	peak	
4		1.2540	30.11	9.75	39.86	56.00	-16.14	peak	
5		2.4140	29.61	9.41	39.02	56.00	-16.98	peak	
6		21.7700	39.43	9.00	48.43	60.00	-11.57	peak	

*:Maximum data x:Over limit !:over margin

5.7 Radiated Emission

5.7.1 Definition

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

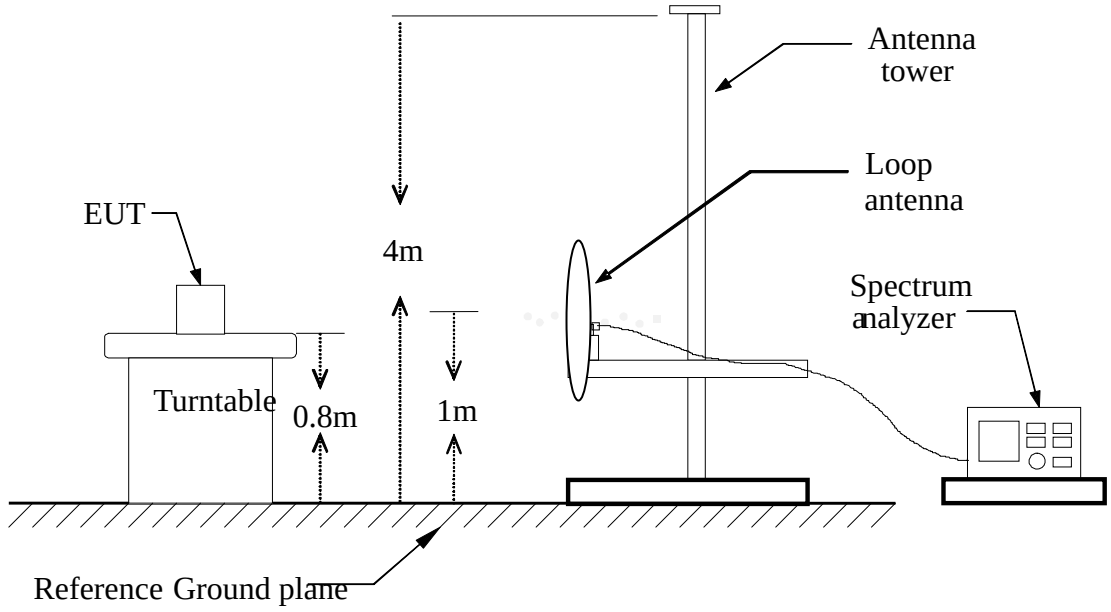
According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

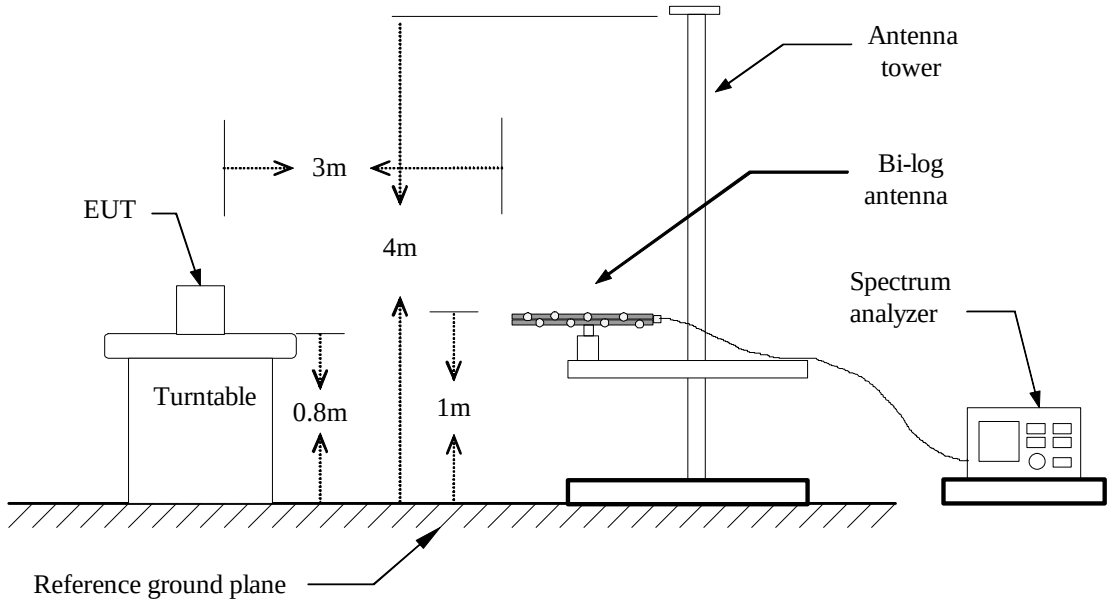
As shown in FCC section 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector. When average radiated emission measurements are specified in this part, including emission measurements below 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

5.7.2 Test Description

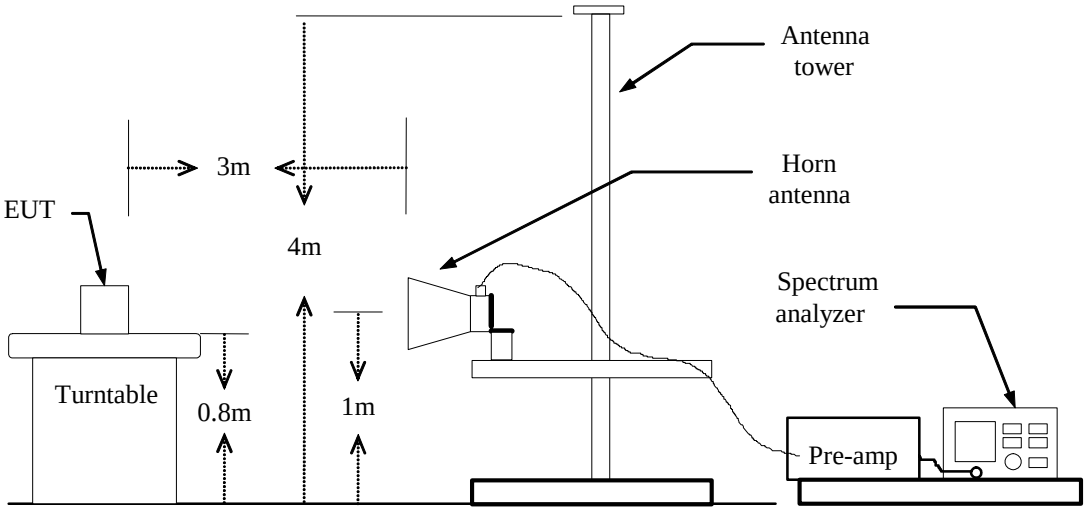
A. Test Setup:



Blow 1GHz:



Above 1GHz:



B. Test procedures

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:

   Below 1GHz: RBW=100 kHz / VBW=300 kHz / Sweep=AUTO

   Above 1GHz : (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
   (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
7. Repeat above procedures until the measurements for all frequencies are complete.

5.7.3 Test Result

5.7.3.1 Below 1 GHz

Operation Mode:	Normal Link(WIFI)	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Frequency Range Investigated (30 MHz TO 1000 MHz)							
Freq. (MHz)	**Reading(RA) (dBuV)**	**Corr.Factor(CF) (dB)**	**Measured(FS) (dBuV/m)**	**Limits(QP) (dBuV/m)**	**Safe Margins (dBuV/m)**	**Ant. H/V**	**Mark**
134.990	20.50	17.45	37.95	43.50	-5.55	H	Q
224.960	19.00	16.40	35.40	43.50	-8.10	H	Q
232.730	25.78	16.69	42.47	46.00	-3.53	H	Q
269.990	23.65	18.90	42.55	46.00	-3.45	H	Q
134.760	16.29	17.46	33.75	43.50	-9.75	V	Q
269.990	17.83	18.90	36.73	46.00	-9.27	V	Q
524.700	11.89	22.04	33.93	46.00	-12.07	V	Q
630.430	12.47	23.80	36.27	46.00	-9.73	V	Q

Notes:

1. Measuring frequencies from 30 MHz to the 1GHz.
2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
3. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit or as required by the applicant.
4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
5. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m).

5.7.3.2 Above 1 GHz

Operation Mode:	TX/ IEEE 802.11b/CH Low	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	PAEK
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11b/CH Mid	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
1337.50	H	60.39	37.51	5.02	65.41	42.53	74.00	54.00	-11.47
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11b/CH High	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
4960.00	H	55.39	30.83	17.34	72.73	48.17	74.00	54.00	-5.83
N/A	H								
4960.00	V	52.94	29.77	17.34	70.28	47.11	74.00	54.00	-6.89
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11g/CH Low	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	PEAK
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11g/CH Mid	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
5882.50	H	53.59	29.77	17.76	71.35	47.53	74.00	54.00	-6.47
N/A	H								
5882.50	V	51.72	25.27	17.76	69.48	43.03	74.00	54.00	-10.97
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11g/CH High	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
2417.50	H	62.93	38.78	9.09	72.02	47.87	74.00	54.00	-6.13
3227.50	H	55.64	30.84	12.14	67.78	42.98	74.00	54.00	-11.02
N/A	H								
2417.50	V	60.38	37.80	9.09	69.47	46.89	74.00	54.00	-7.11
3227.50	V	53.98	29.63	12.14	66.12	41.77	74.00	54.00	-12.23
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11n(Standard-20MHz)/CH Low	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
4654.50	H	55.39	31.03	17.49	72.88	48.52	74.00	54.00	-5.48
N/A	H								
5140.50	V	51.65	28.78	17.38	69.03	46.16	74.00	54.00	-7.84
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11n(Standard-20MHz)/CH Mid	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
6152.50	H	50.64	27.05	20.68	71.32	47.73	74.00	54.00	-6.27
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11n(Standard-20MHz)/CH High	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
1300.00	H	62.72	37.40	4.86	67.58	42.26	74.00	54.00	-11.74
5668.00	H	54.43	30.73	17.13	71.56	47.86	74.00	54.00	-6.14
N/A	H								
1337.50	V	60.12	35.87	5.02	65.14	40.89	74.00	54.00	-13.11
5828.00	V	51.86	29.16	17.52	69.38	46.68	74.00	54.00	-7.32
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11n(Standard-40MHz)/CH Low	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
5560.00	H	55.39	31.02	17.49	72.88	48.51	74.00	54.00	-5.49
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11n(Standard-40MHz)/CH Mid	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
3576.50	H	57.53	34.46	12.86	70.39	47.32	74.00	54.00	-6.68
N/A	H								
3576.50	V	52.34	28.33	12.86	65.20	41.19	74.00	54.00	-12.81
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	TX/ IEEE 802.11n(Standard-40MHz)/CH High	**Test Date:**	November. 24, 2010
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
1273.50	H	53.97	33.49	4.86	58.83	38.35	74.00	54.00	-15.65
6197.00	H	46.98	24.29	22.35	69.33	46.64	74.00	54.00	-7.36
N/A	H								
6197.00	V	42.51	18.58	22.35	64.86	40.93	74.00	54.00	-13.07
N/A	V								

Notes:

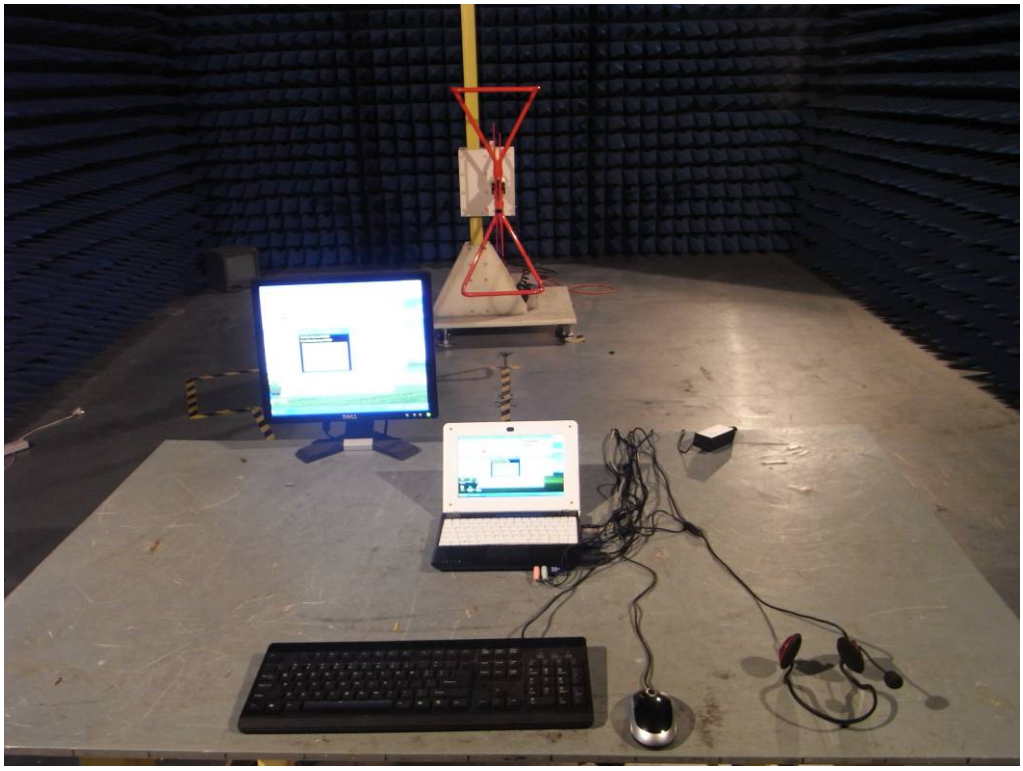
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie:
   margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

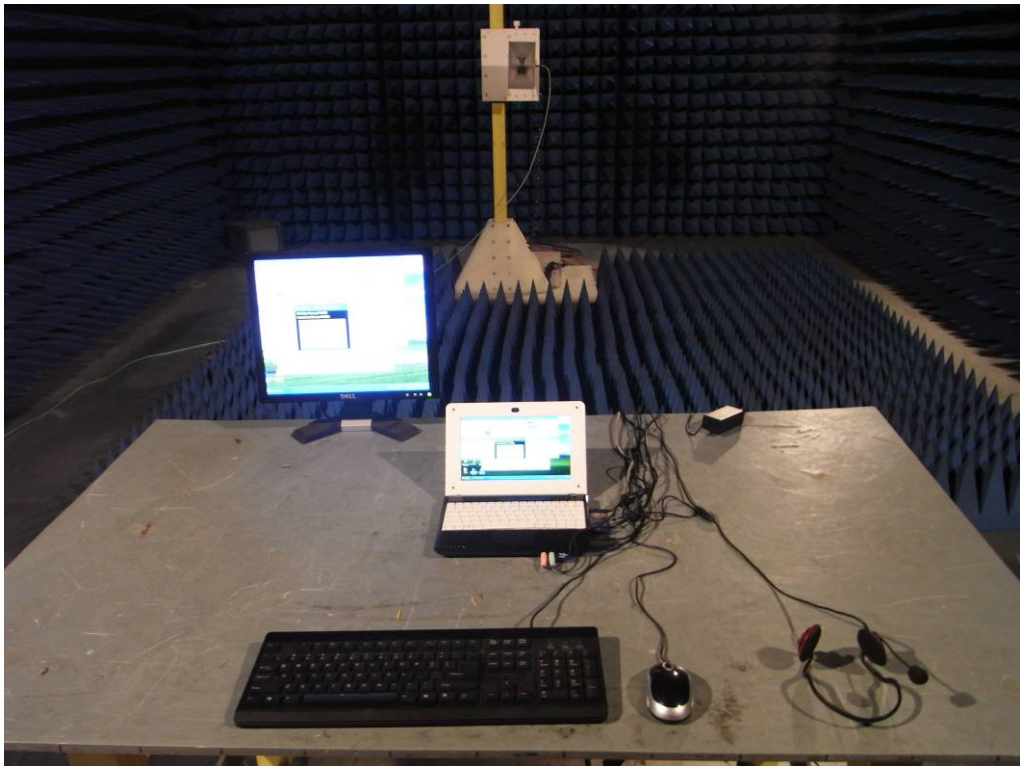
APPENDIX 1

PHOTOGRAPHS OF TEST SETUP

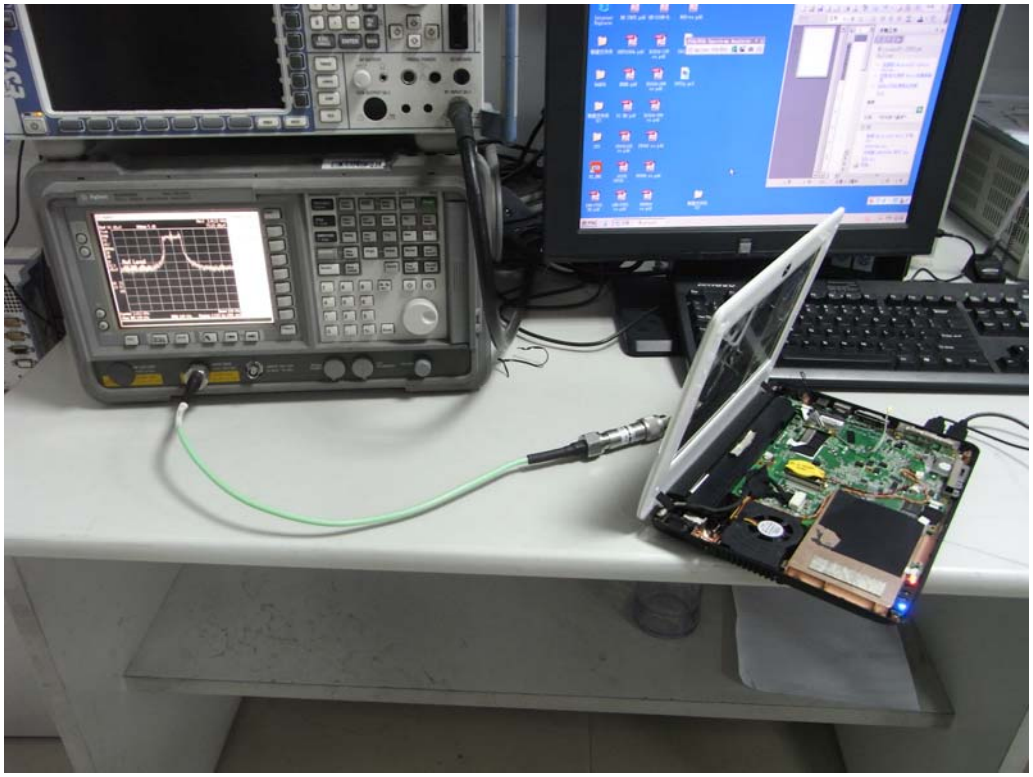
CE TEST SETUP

RE TEST SETUP





CONDUCTED SPURIOUS EMISSION TEST SETUP



APPENDIX 2

PHOTOGRAPHS OF EUT

FRONT VIEW OF SAMPLE

BACK VIEW OF SAMPLE

LEFT VIEW OF SAMPLE

RIGHT VIEW OF SAMPLE

TOP VIEW OF SAMPLE

BOTTOM VIEW OF SAMPLE

VIEW OF EXPANDING SAMPLE

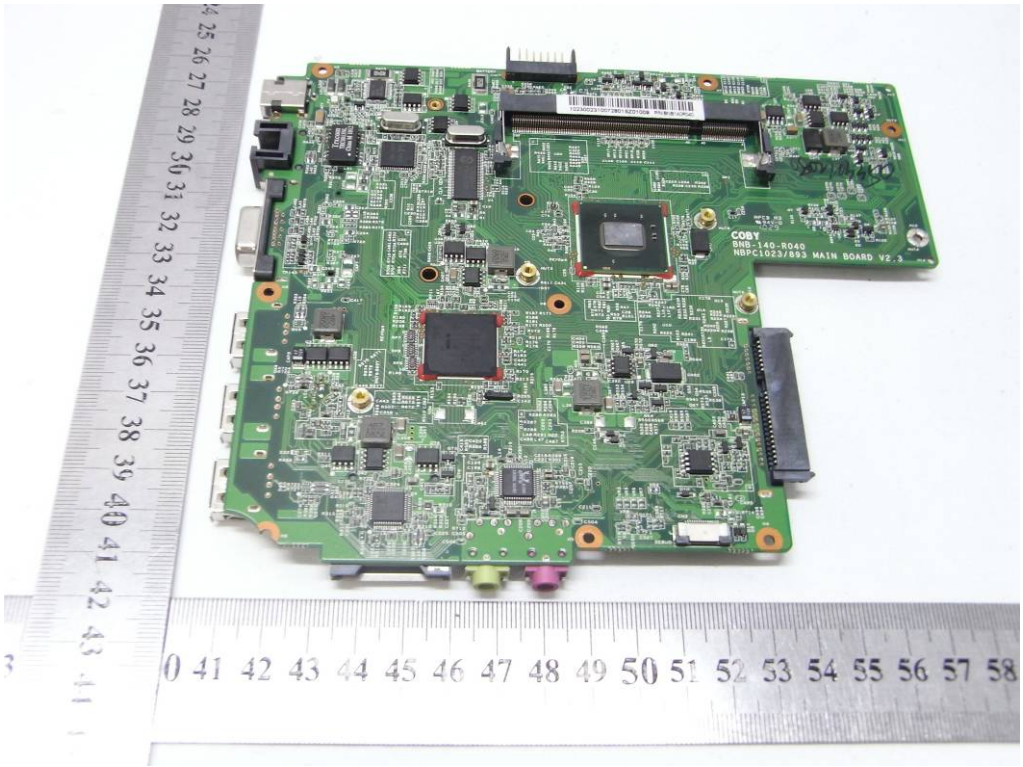
PHOTO OF POWER SUPPLY

PHOTO OF AC LINE

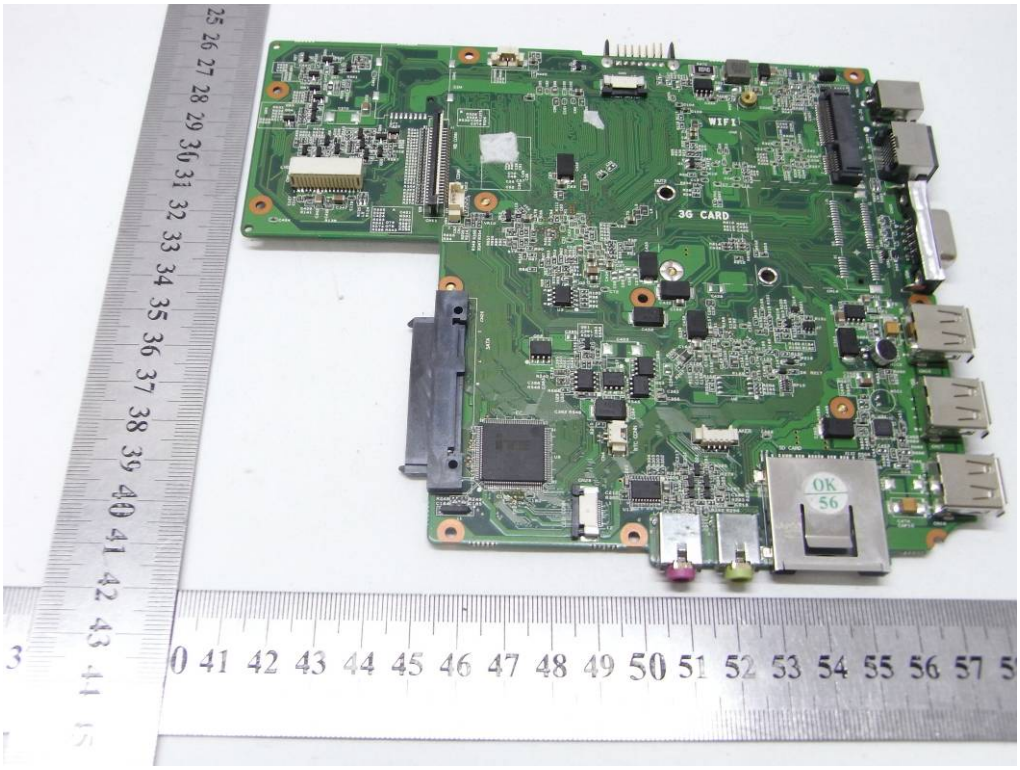
PHOTO OF THE ENTIRE SAMPLE

PHOTO OF THE BATTERY

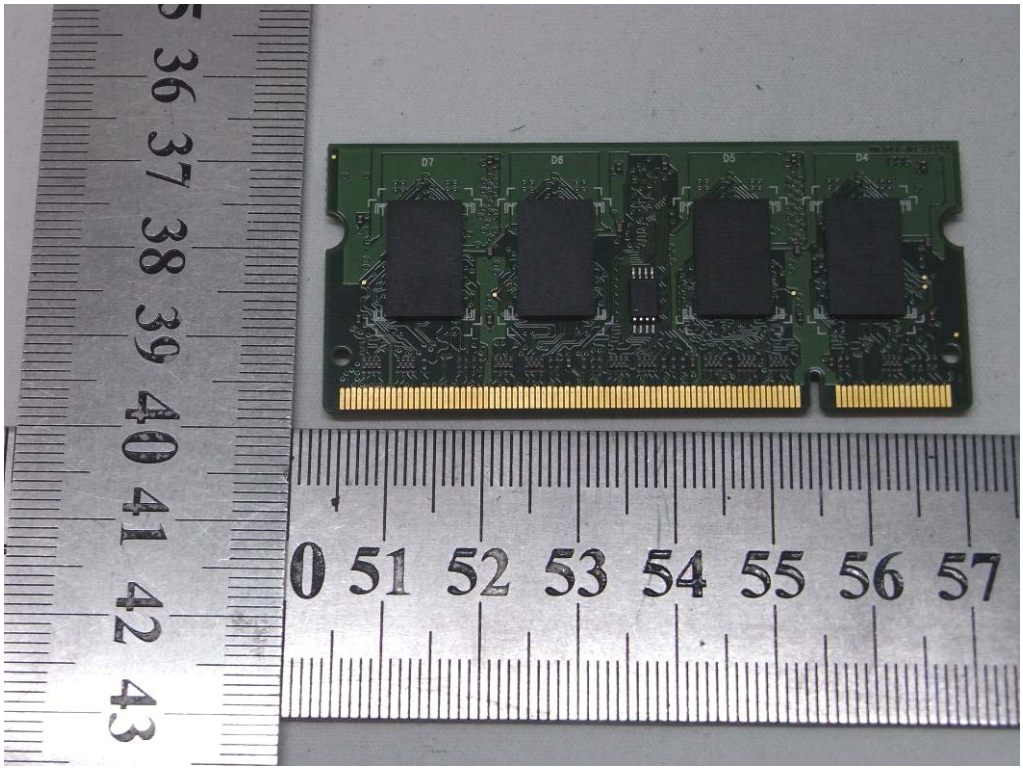
INTERNAL PHOTO OF SAMPLE - 1



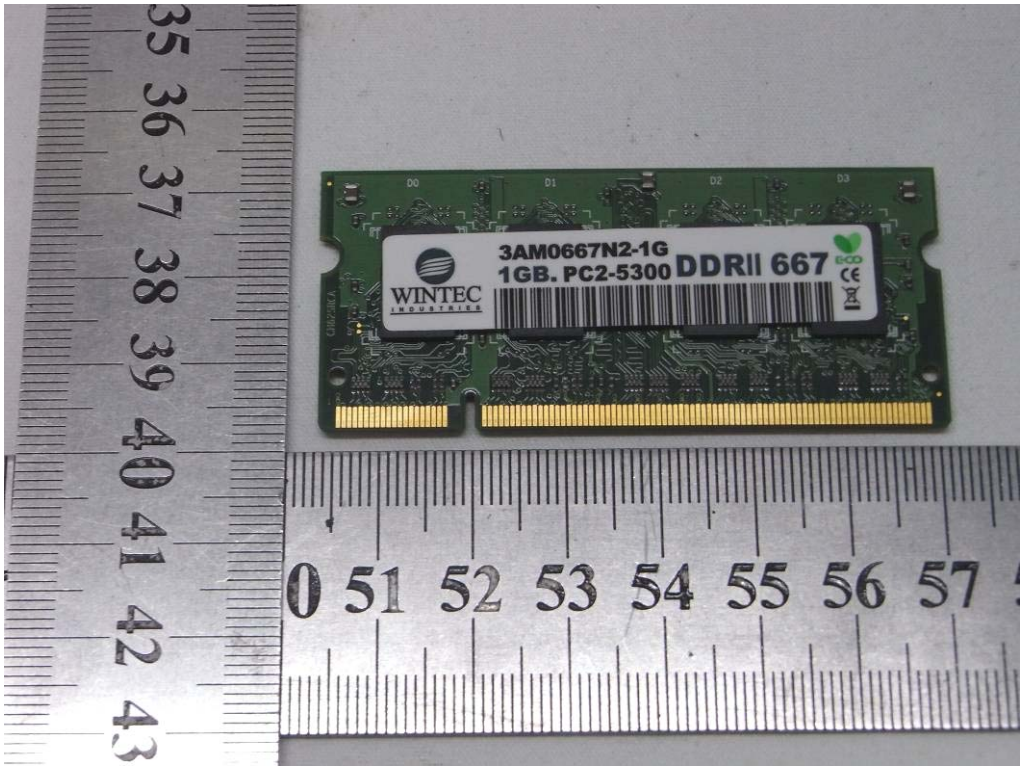
INTERNAL PHOTO OF SAMPLE -2



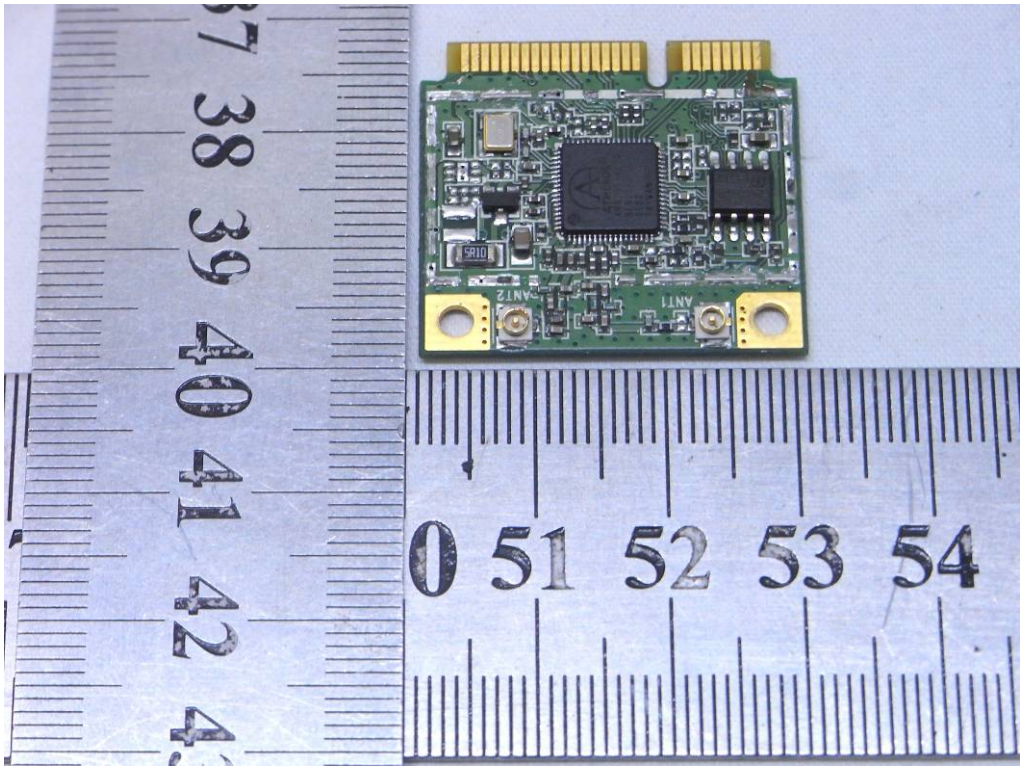
INTERNAL PHOTO OF SAMPLE - 3



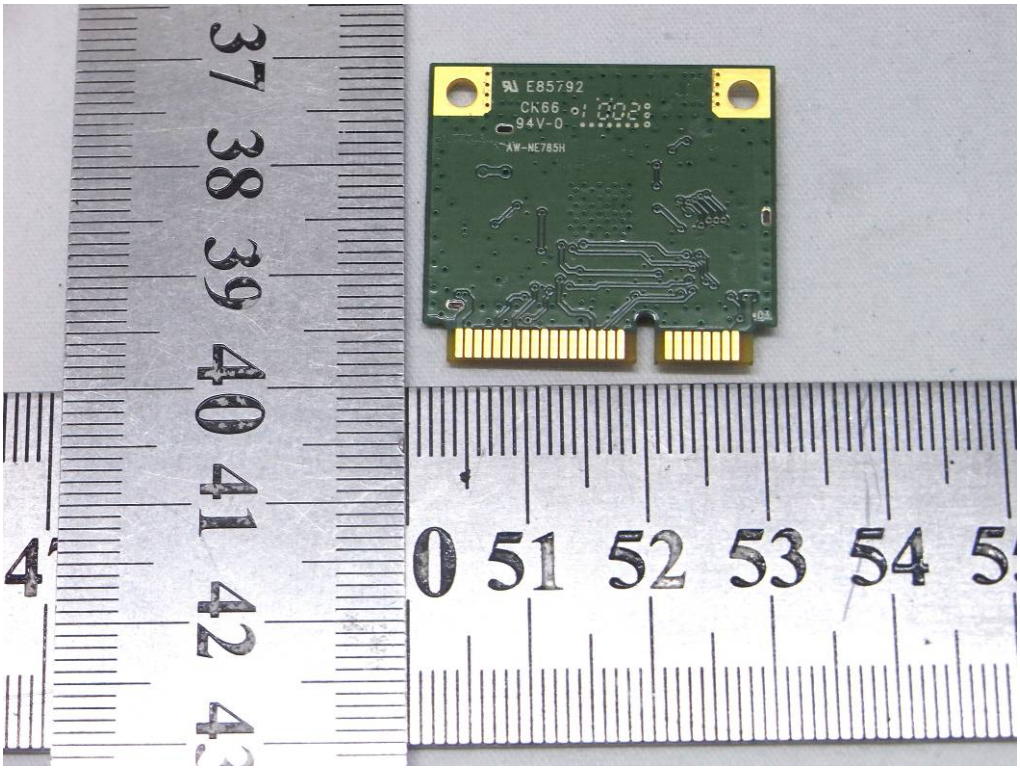
INTERNAL PHOTO OF SAMPLE - 4



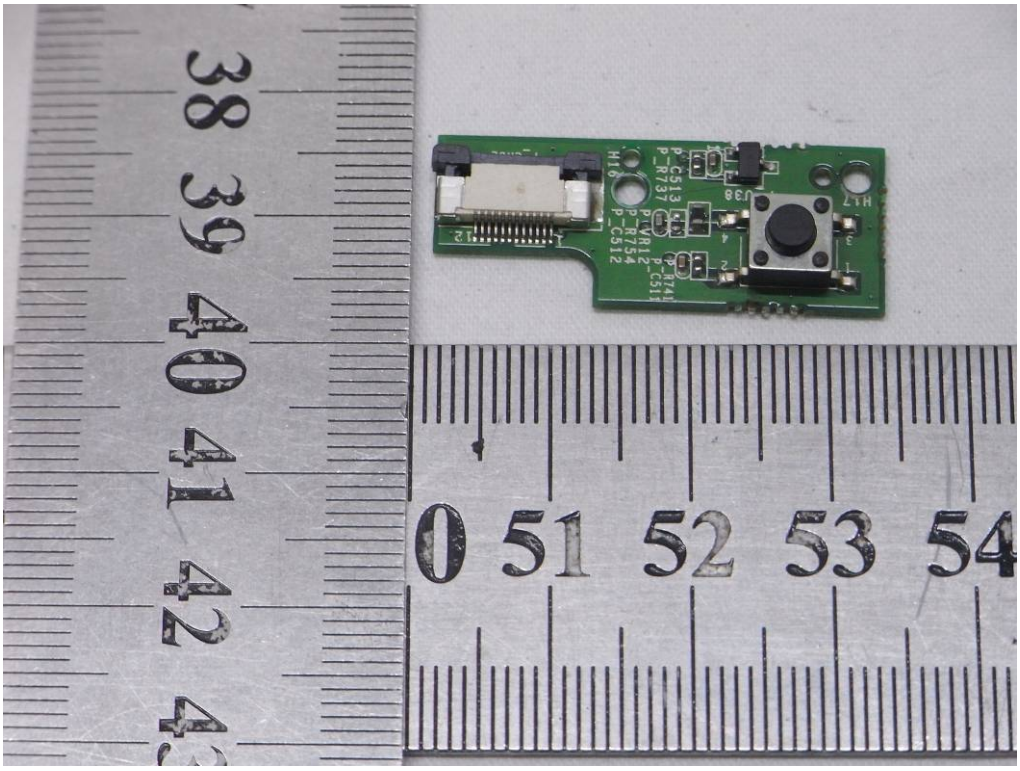
INTERNAL PHOTO OF SAMPLE - 5



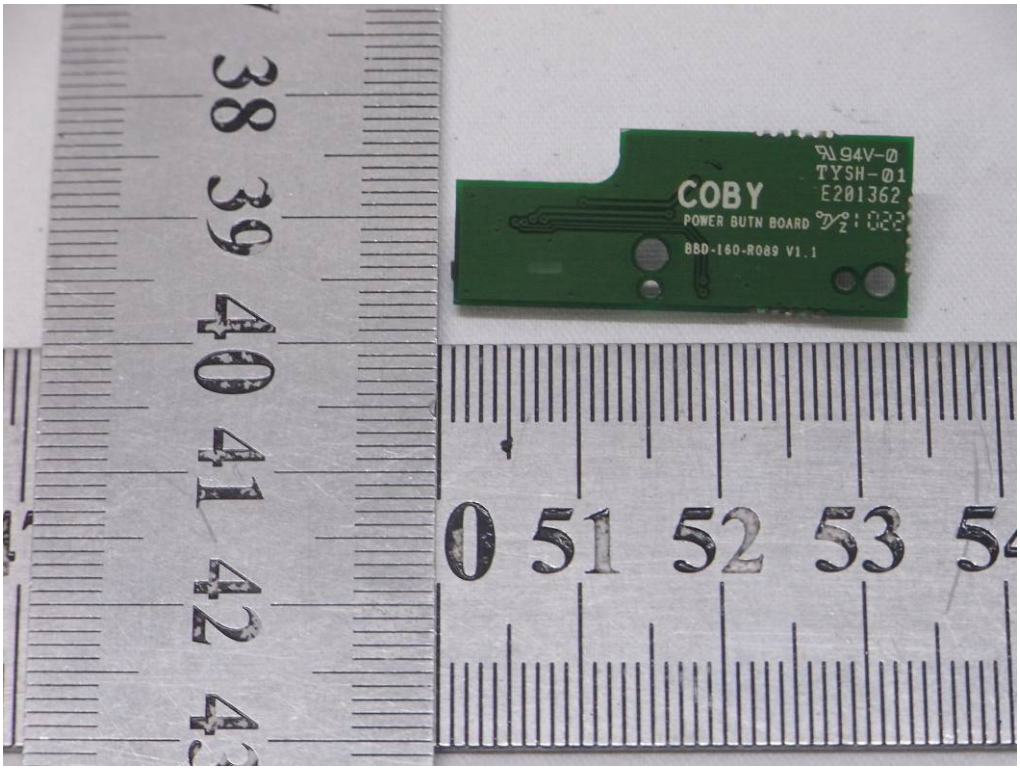
INTERNAL PHOTO OF SAMPLE - 6



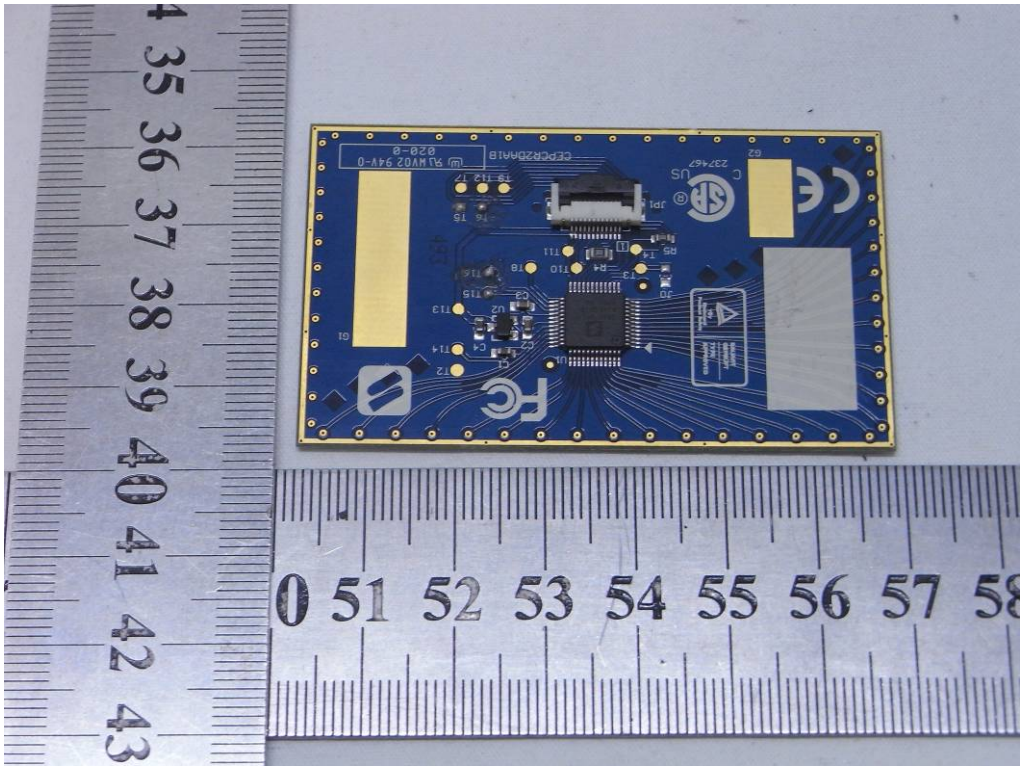
INTERNAL PHOTO OF SAMPLE - 7



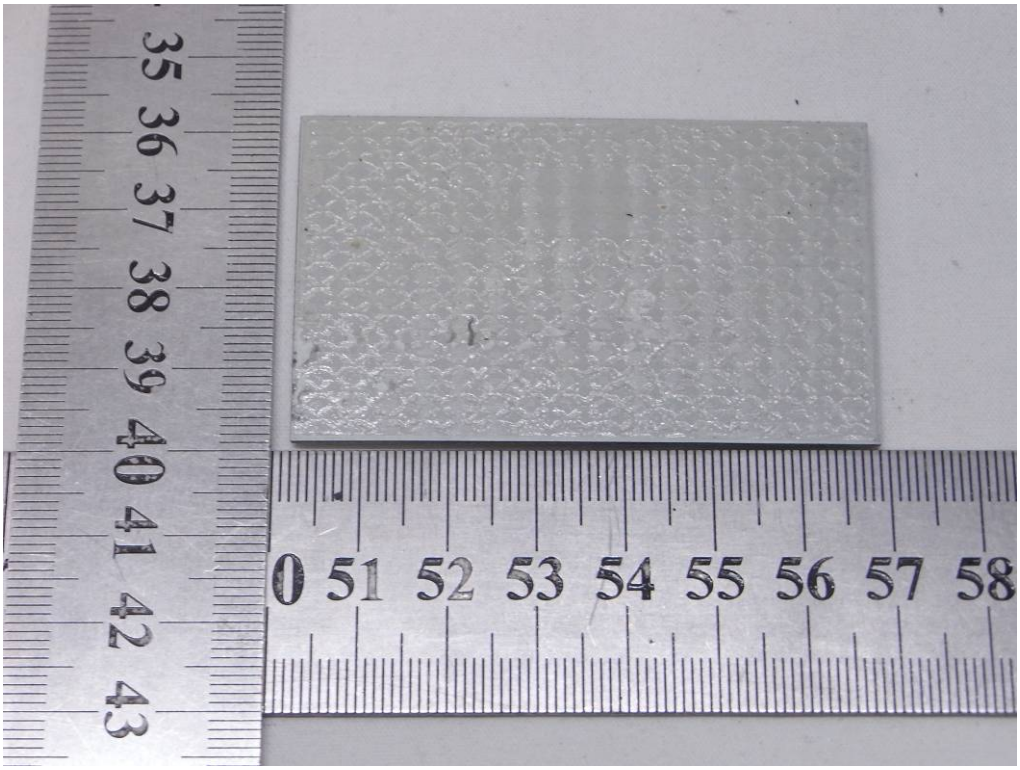
INTERNAL PHOTO OF SAMPLE - 8



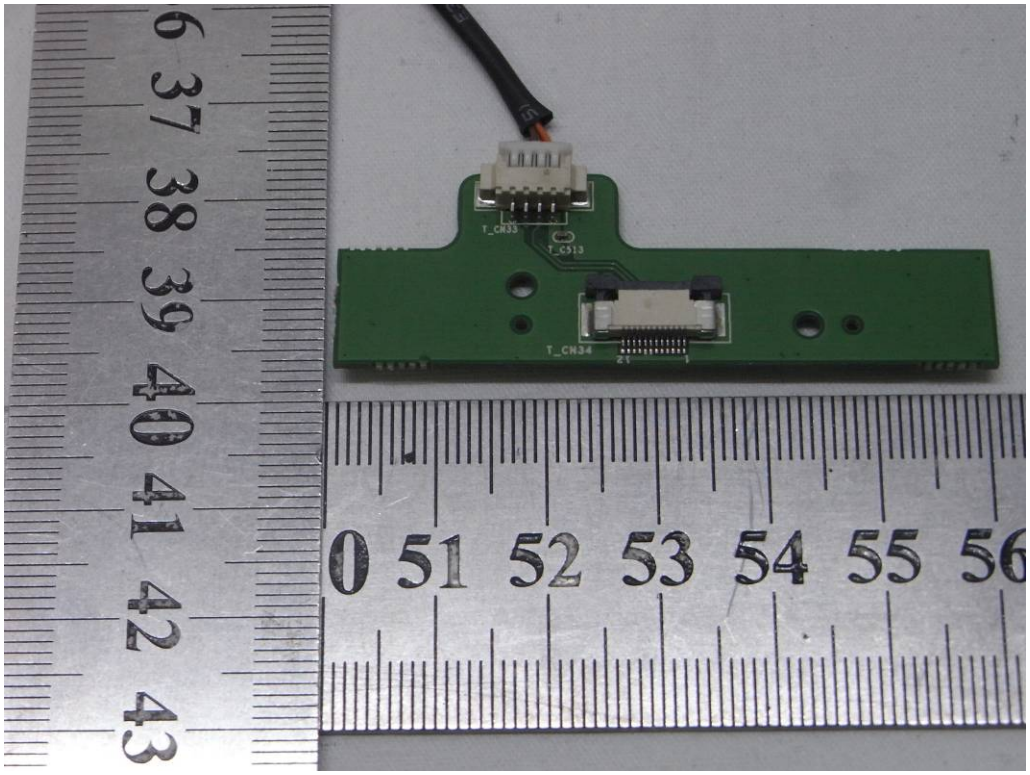
INTERNAL PHOTO OF SAMPLE - 9



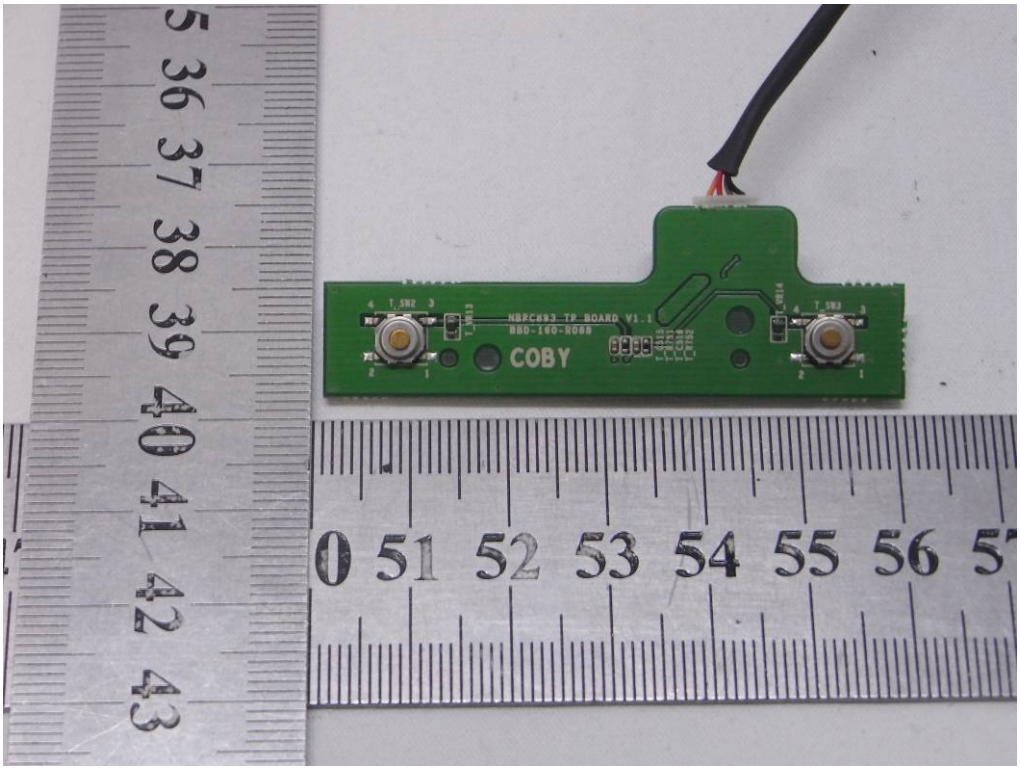
INTERNAL PHOTO OF SAMPLE - 10



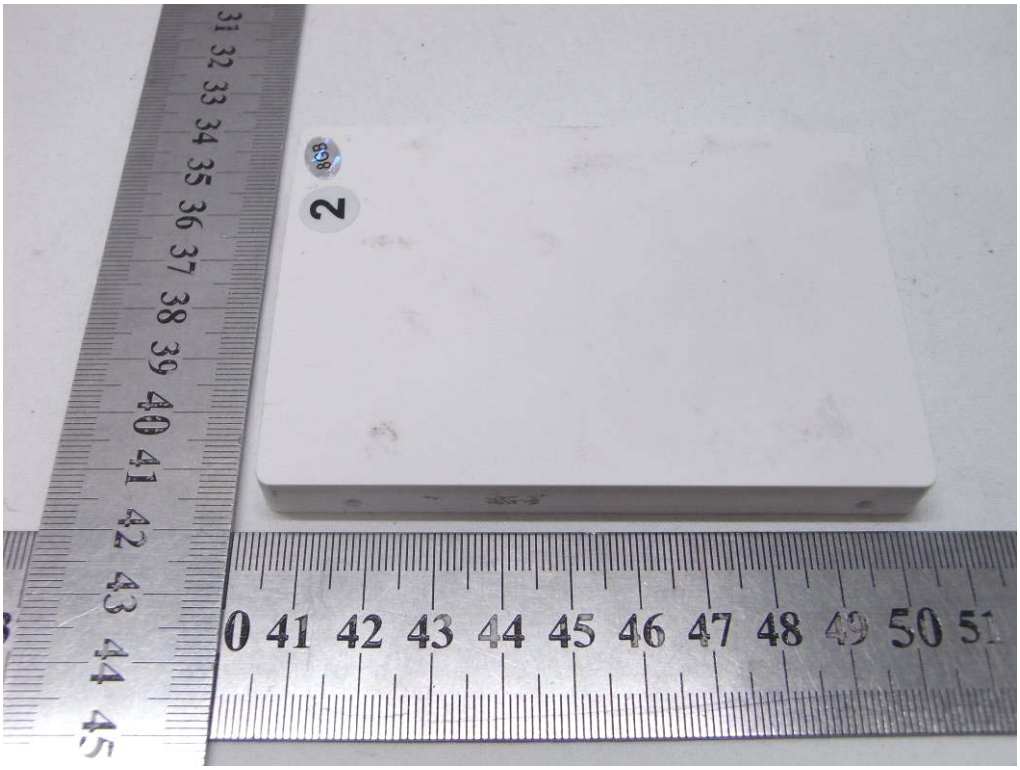
INTERNAL PHOTO OF SAMPLE - 11



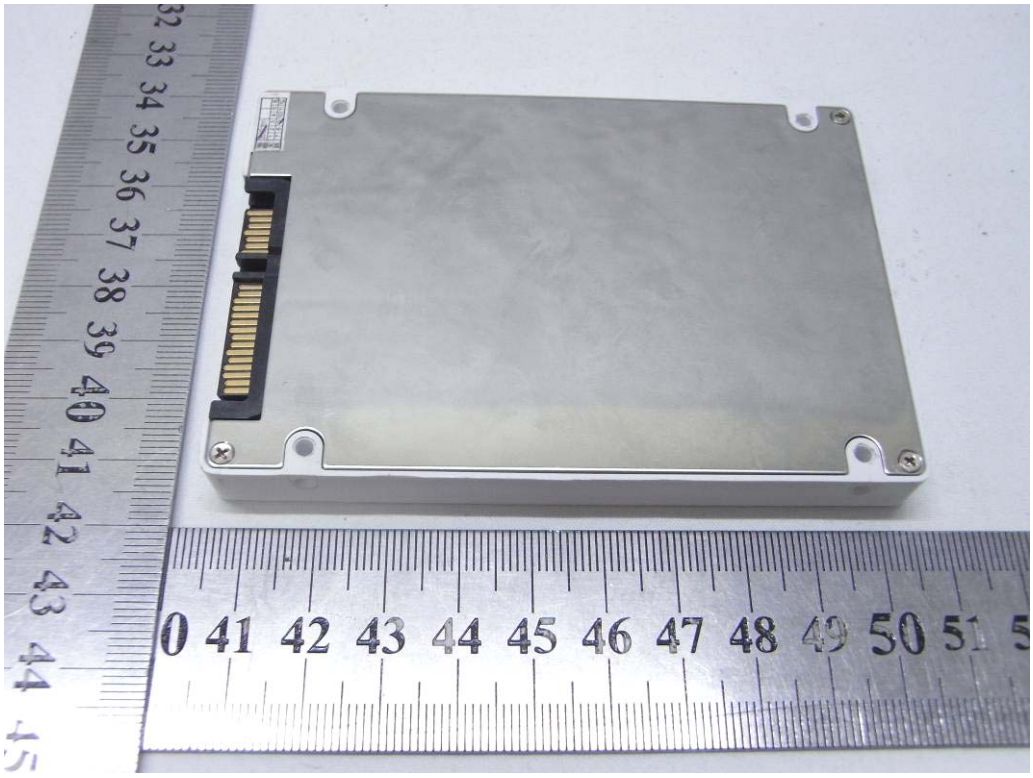
INTERNAL PHOTO OF SAMPLE - 12



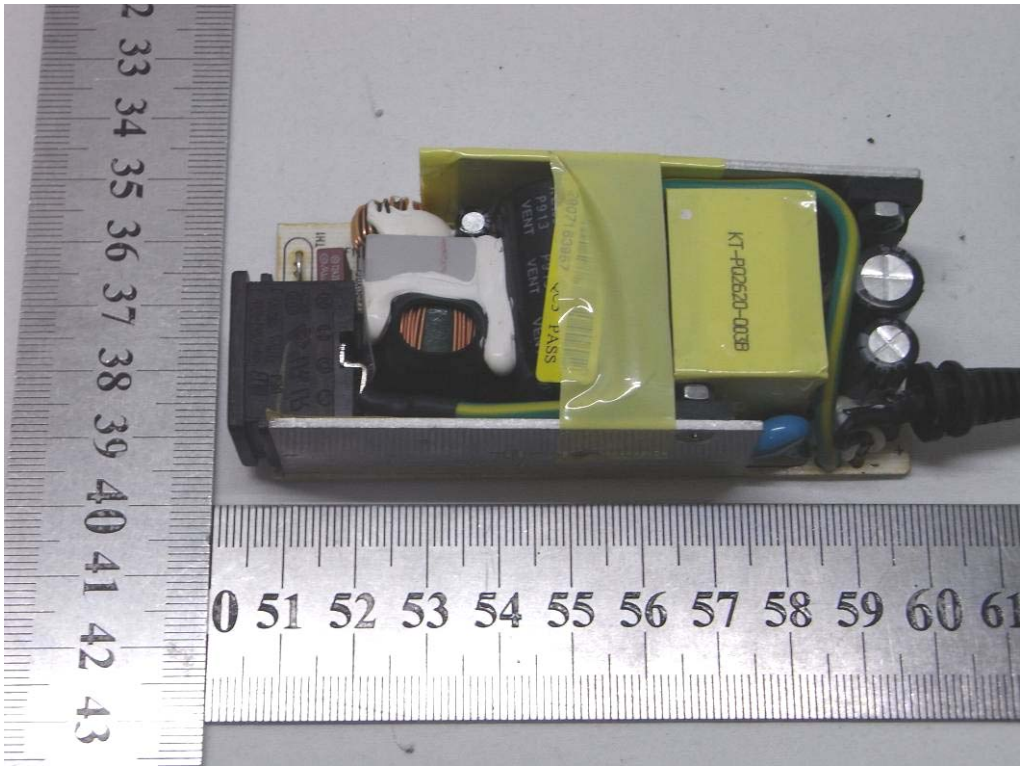
INTERNAL PHOTO OF SAMPLE - 13



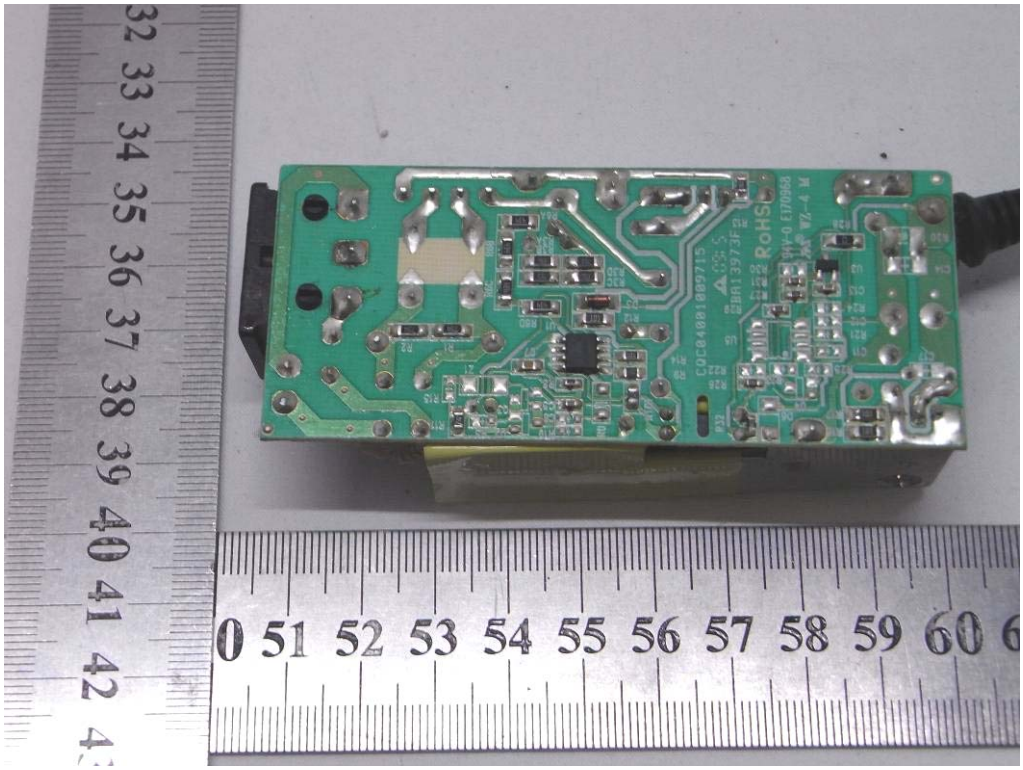
INTERNAL PHOTO OF SAMPLE - 14



INTERNAL PHOTO OF POWER SUPPLY-1



INTERNAL PHOTO OF POWER SUPPLY-2



------END OF REPORT------