

INTERMEC TECHNOLOGIES CORPORATION

MOBILE COMPUTER

Model: 1005CP01

Sep 9th 2010



Report No.: SL10050603-ICT-001(Captiva)_RF(FCC DSSS)

(This report supersedes NONE)



Modifications made to the product : None

This Test Report is Issued Under the Authority of:

	
David Zhang Compliance Engineer	Leslie Bai Director of Certification

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All Test Data Presented in this report is only applicable to presented Test sample.

EMC Test Report

To: FCC Part 15.247: 2009 & RSS 210 Issue 7: 2007

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Laboratory Introduction

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Country/Region	Accreditation Body	Scope
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Canada	IC, A2LA, NIST	EMC, RF/Wireless , Telecom
Taiwan	BSMI , NCC , NIST	EMC, RF, Telecom , Safety
Hong Kong	OFTA , NIST	RF/Wireless , Telecom
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Accreditations for Product Certifications

Country	Accreditation Body	Scope
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Singapore	iDA, NIST	EMC , RF , Telecom
EU	NB, NIST	EMC, RF, Safety, Telecom

CONTENTS

1	EXECUTIVE SUMMARY & EUT INFORMATION	6
2	TECHNICAL DETAILS.....	7
3	MODIFICATION	8
4	TEST SUMMARY	9
5	MEASUREMENTS, EXAMINATION AND DERIVED RESULTS	10
ANNEX A. TEST INSTRUMENT & METHOD.....		58
ANNEX B EUT AND TEST SETUP PHOTOGRAPHS		62
ANNEX C. TEST SETUP AND SUPPORTING EQUIPMENT		62
ANNEX D USER MANUAL, BLOCK DIAGRAM, CIRCUIT DIAGRAM		65
ANNEX E. SIEMIC ACCREDITATION CERTIFICATES.....		66

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1 Executive Summary & EUT information

The purpose of this test programmed was to demonstrate compliance of the Intermec Technologies Corporation Model: 1005CP01 against the current Stipulated Standards. The Mobile Computer have demonstrated compliance with the FCC 15.247:2009 & RSS-210 Issue 7 : 2007.

The test has demonstrated that this unit complies with stipulated standards.

EUT Information

EUT Description

: The Intermec CS40 Mobile Computer is a small, lightweight mobile computer built on the Microsoft® Windows® Mobile 6.1 operating system. This Personal Digital Assistant PDA-style mobile computer supports the latest High Speed Uplink Packet Access (HSUPA).

The CS40 is available with the following features:

- 3.75G UMTS, 802.11b/g, and Bluetooth® radio
- 2.5 GPRS/EDGE radio
- 256 MB DRAM, 512 MB Flash (approximately 350 MB free for user applications)
- Customer-accessible micro-SD slot for removable memory cards up to 32 GB
- Customer-accessible SIM card slot
- EA11 area imager
- GPS receiver
- Optional 3 megapixel camera

Wireless LAN Information:

IEEE®802.11 b/g Data rates: 1, 2, 5.5, 11, 6, 9, 12, 18, 24,36, 48 and 54 Mbps

Operating channels: 1 to 11 (2412-2462 MHz)

Regulatory compliance: As per IEEE® 802.11d

Antenna:

Internal Security: WiFi Certified for WPA/WPA2 operation.

Authentication: PEAP/MS-CHAPv2, EAP-TLS

Encryption: WEP (64 or 128 bit), AES, TKIP

Bluetooth version information :

Wireless PAN: Integrated Bluetooth™ Class II, Ver2.1+EDR

Operating Channels : 0 to 78 (2402 – 2480 MHz)

Data Rates : 1, 2, 3 Mbps

Antenna : Internal

Model No : 1005CP01

Serial No : 200V1000308

Input Power : 5VDC, 1.5A

**Classification
Per Stipulated
Test Standard** : Spread Spectrum System / Device

2 TECHNICAL DETAILS

Purpose	Compliance testing of Mobile Computer model 1005CP01 with stipulated standard
Applicant / Client	Intermec Technologies Corporation
Manufacturer	Intermec Technologies Corporation 6001 36th Avenue West Everett, Washington 98203
Laboratory performing the tests	SIEMIC Laboratories
Test report reference number	SL10050603-ICT-001(Captiva)_RF(FCC DSSS)
Date EUT received	Aug 18th 2010
Standard applied	See Page 9
Dates of test (from – to)	Aug 18th-Sep 09th 2010
No of Units:	1
Equipment Category:	DSS
Trade Name:	Intermec Technologies Corporation
Model Name:	1005CP01
RF Operating Frequency (ies)	802.11b/g:2412MHz – 2462MHz;
Number of Channels:	802.11b/g : 11Ch;
Modulation:	802.11b/g : DSSS;
FCC ID:	EHA011005CP01
IC ID:	1223A-011005CP01

3 MODIFICATION

NONE

4 TEST SUMMARY

The product was tested in accordance with the following specifications. All testing has been performed according to below product classification:

Spread Spectrum System / Device

Test Results Summary

Test Standard		Description	Pass / Fail
CFR 47 Part 15.247: 2009	RSS 210 Issue 7: 2007		
15.203		Antenna Requirement	Pass
15.205	RSS210(A8.5)	Restricted Band of Operation	Pass
15.247(a)(1)	RSS210(A8.1)	Channel Separation	N/A
15.247(a)(1)	RSS210(A8.1)	Occupied Bandwidth	Pass
15.247(a)(2)	RSS210 (A8.2)	6 dB Bandwidth	Pass
15.247(a)(1)	RSS210(A8.1)	Number of Hopping Channels	N/A
15.247(a)(1)	RSS210(A8.1)	Time of Occupancy	N/A
15.247(b)	RSS210(A8.4)	Output Power	Pass
15.247(c)	RSS210(A8.4)	Antenna Gain > 6 dBi	N/A
15.247(d)	RSS210(A8.5)	Conducted Spurious Emissions	Pass
15.209; 15.247(d)	RSS210(A8.5)	Radiated Spurious Emissions	Pass
15.247(e)	RSS210(A8.3)	Power Spectral Density	Pass
15.247(f)	RSS210(A8.3)	Hybrid System Requirement	N/A
15.247(g)	RSS210(A8.1)	Hopping Capability	N/A
15.247(h)	RSS210(A8.1)	Hopping Coordination Requirement	N/A
15.247(i)	RSSGen(5.5)	RF Exposure requirement	Pass
	RSSGen(4.8)	Receiver Spurious Emissions	Pass
ANSI C63.4: 2003/ RSS-Gen Issue 2: 2007			
PS: All measurement uncertainties are not taken into consideration for all presented test result.			

Note: EUT supports different data rates and multiple channels, only the worse case test result with maximum data rates at Low, Mid, High channels are presented in this report. The data rates during testing are : 11Mbps (802.11b), 54Mbps (802.11g).

5 MEASUREMENTS, EXAMINATION AND DERIVED RESULTS

5.1 Antenna Requirement

Requirement(s): 47 CFR §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.

Antenna requirement must meet at least one of the following:

- a) Antenna must be permanently attached to the device.
- b) Antenna must use a unique type of connector to attach to the device.
- c) Device must be professionally installed. Installer shall be responsible for ensuring that the correct antenna is employed with the device.

EUT use internal PCB antennas for WLAN and Bluetooth, which are subject to professionally installed. Then peak antenna gain for WLAN is : 1.62dBi(WLAN).

Results: PASS

5.2 Channel Separation

1. Conducted Measurement
EUT was set for low , mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Environmental Conditions

Temperature	N/A
Relative Humidity	N/A
Atmospheric Pressure	N/A
3. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
4. Test Date : N/A
Tested By : N/A

Requirement(s): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Procedures: The Channel Separation was measured conducted using a spectrum analyzer at low, mid, and high channels.

Configuration : N/A

Channel	Channel Frequency (MHz)	Channel Separation (MHz)
Low	N/A	N/A
Mid	N/A	N/A
High	N/A	N/A

5.3 6dB & 99% Occupied Bandwidth

1. Conducted Measurement
EUT was set for low , mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Environmental Conditions

Temperature	23°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
3. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is ± 1.5 dB.
4. Test Date : Aug 18-Sep 13 2010
Tested By :David Zhang

Requirement(s): 47 CFR §15.247(a)(1)

Procedures: The 6dB bandwidths were measured conducted using a spectrum analyzer at low, mid, and hi channels. 6 dB Bandwidth Limit: > 500 kHz.

Results: Pass

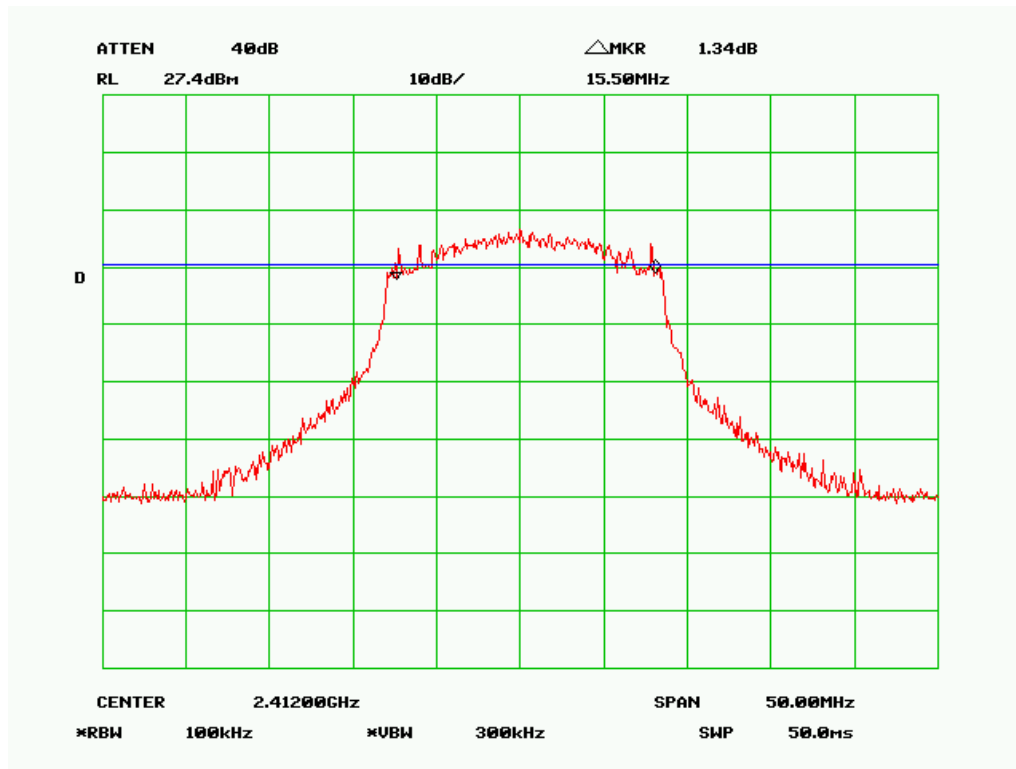
Configuration : 802.11b mode

Channel	Channel Frequency (MHz)	6 dB Channel Bandwidth (MHz)	99% Channel Bandwidth (MHz)	6 dB Occupied Bandwidth Limit (MHz)
Low	2412	15.50	16.42	0.5
Mid	2437	15.58	16.42	0.5
High	2462	15.42	16.42	0.5

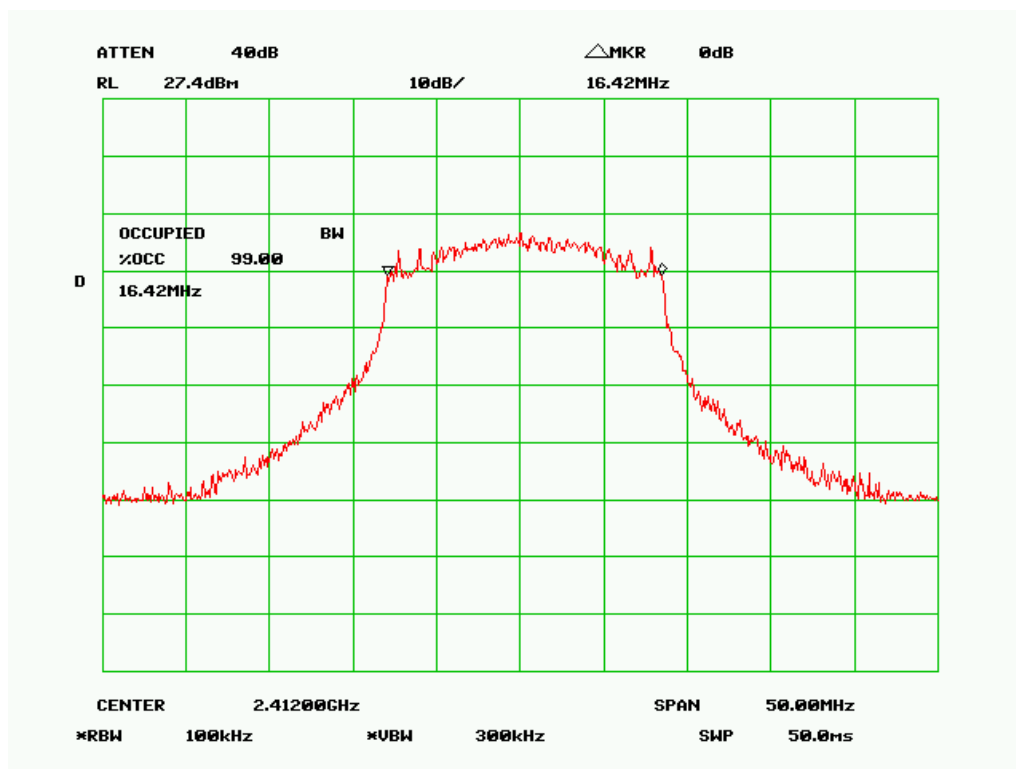
Configuration : 802.11g mode

Channel	Channel Frequency (MHz)	6 dB Channel Bandwidth (MHz)	99% Channel Bandwidth (MHz)	6 dB Occupied Bandwidth Limit (MHz)
Low	2412	16.75	16.67	0.5
Mid	2437	16.75	16.75	0.5
High	2462	16.33	17.17	0.5

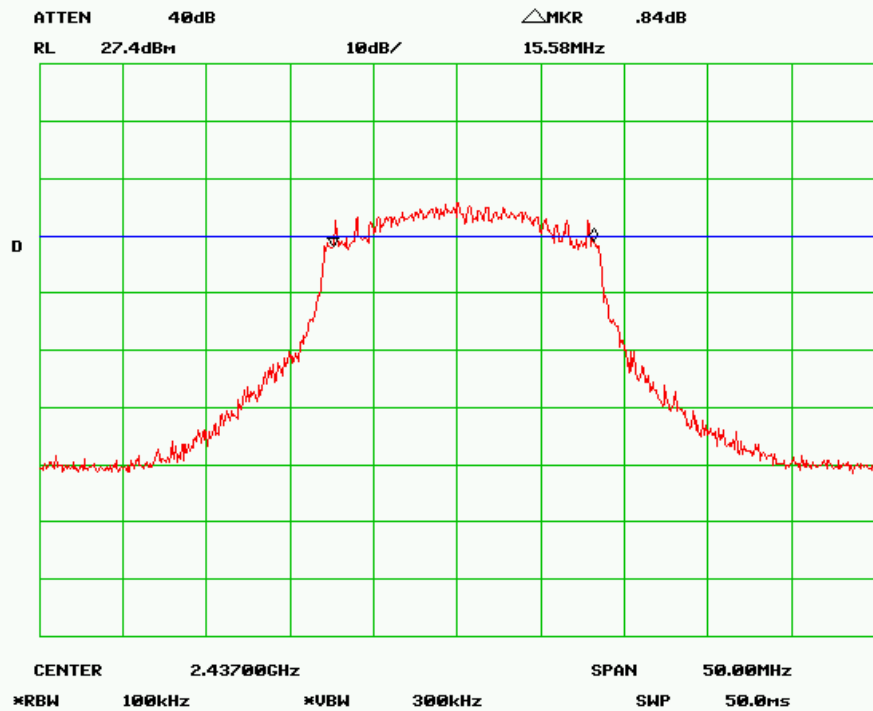
Refer to the attached plots.



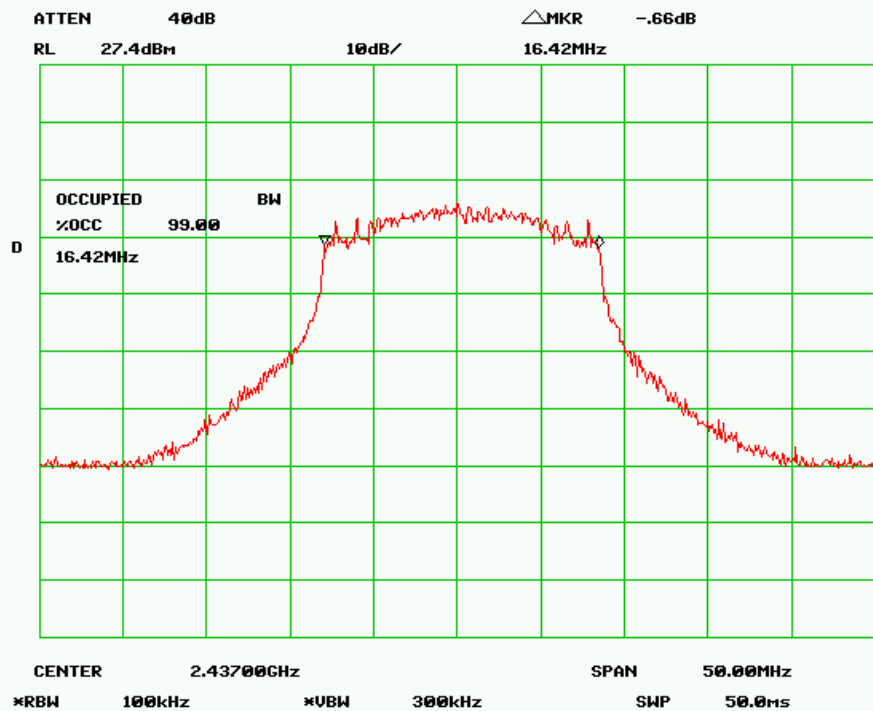
6 dB Bandwidth – 802.11b, Low Channel



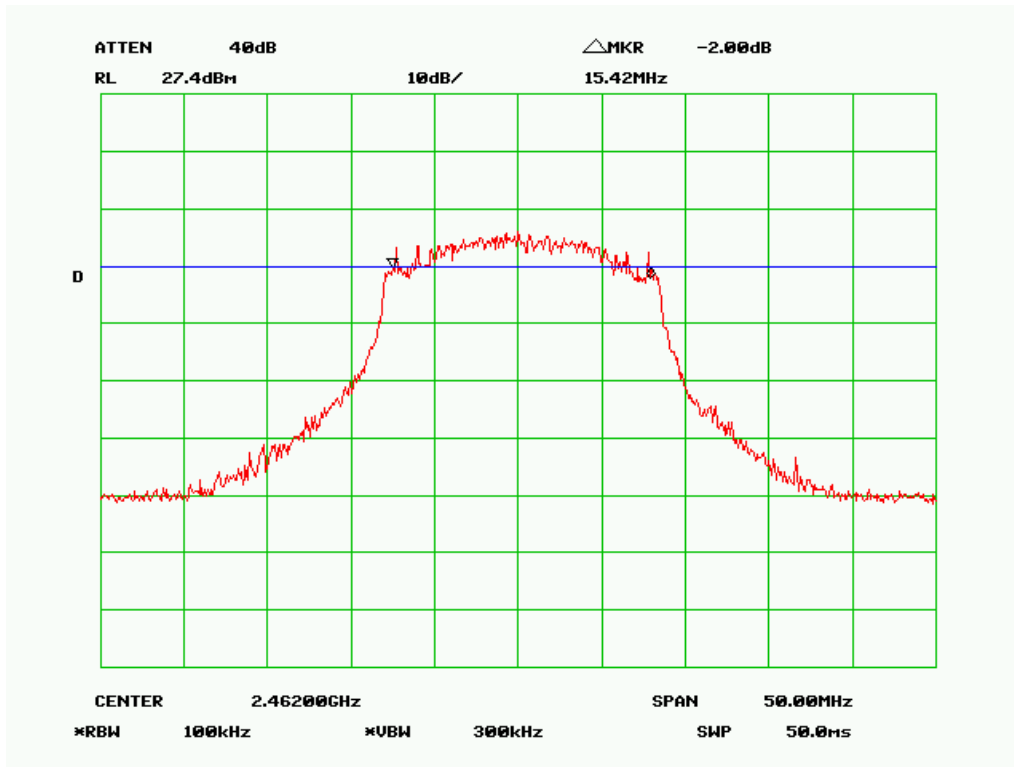
99% dB Bandwidth - 802.11b, Low Channel



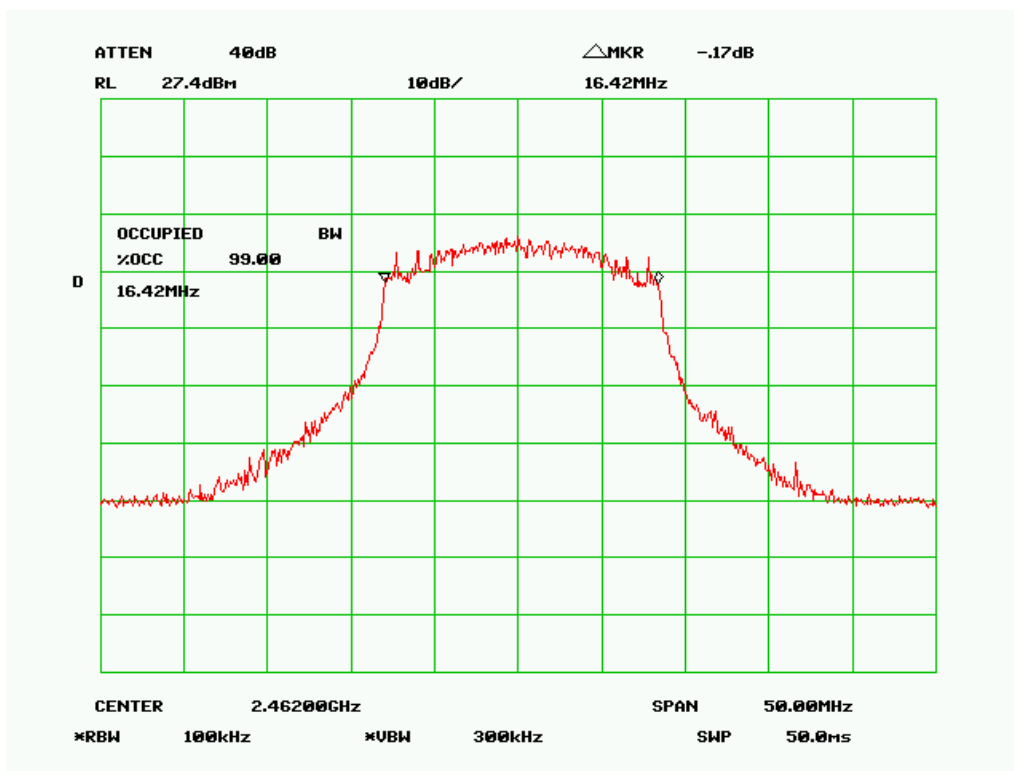
6 dB Bandwidth - 802.11b, Middle Channel



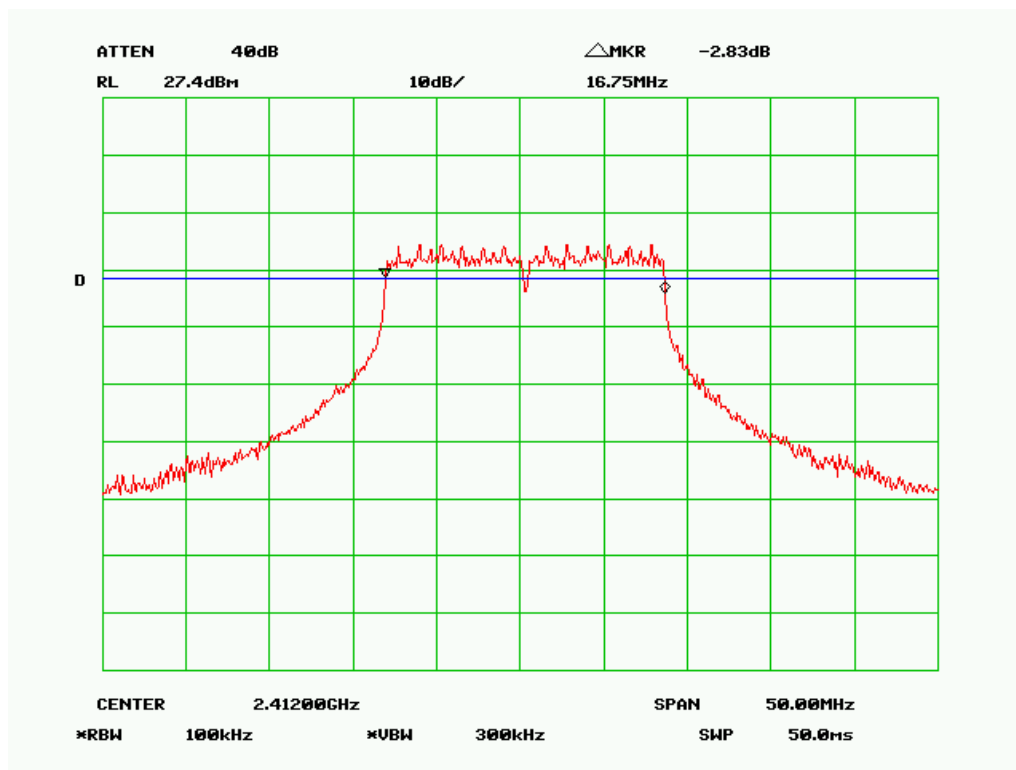
99% dB Bandwidth - 802.11b, Mid Channel



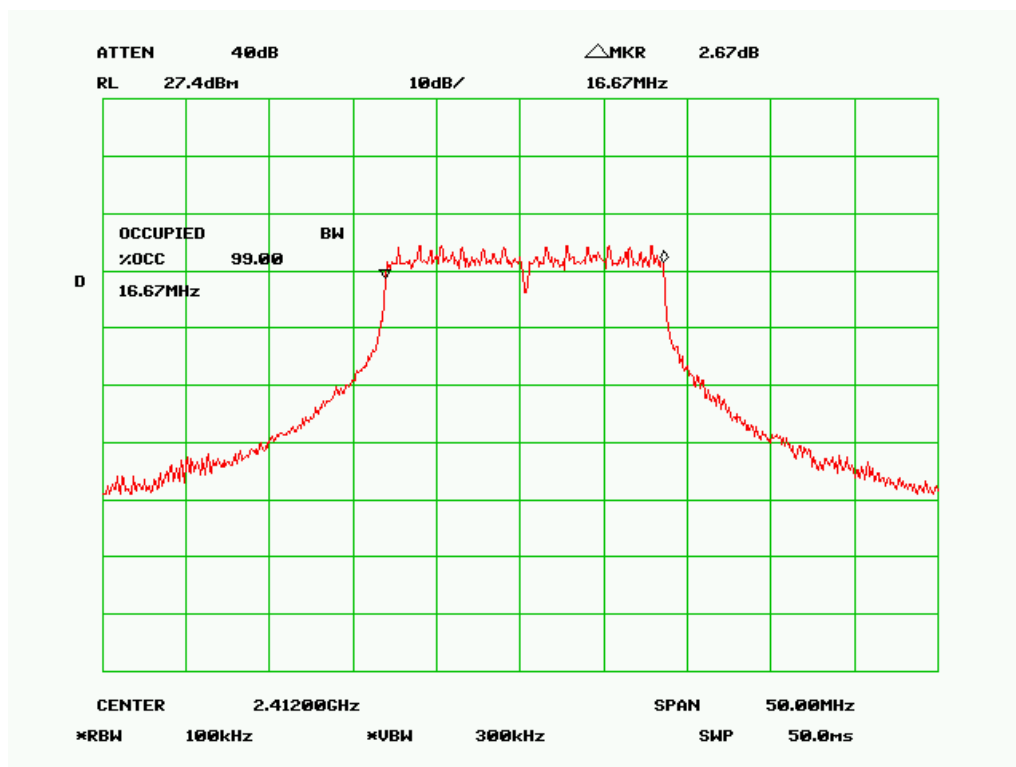
6 dB Bandwidth – 802.11b, High Channel



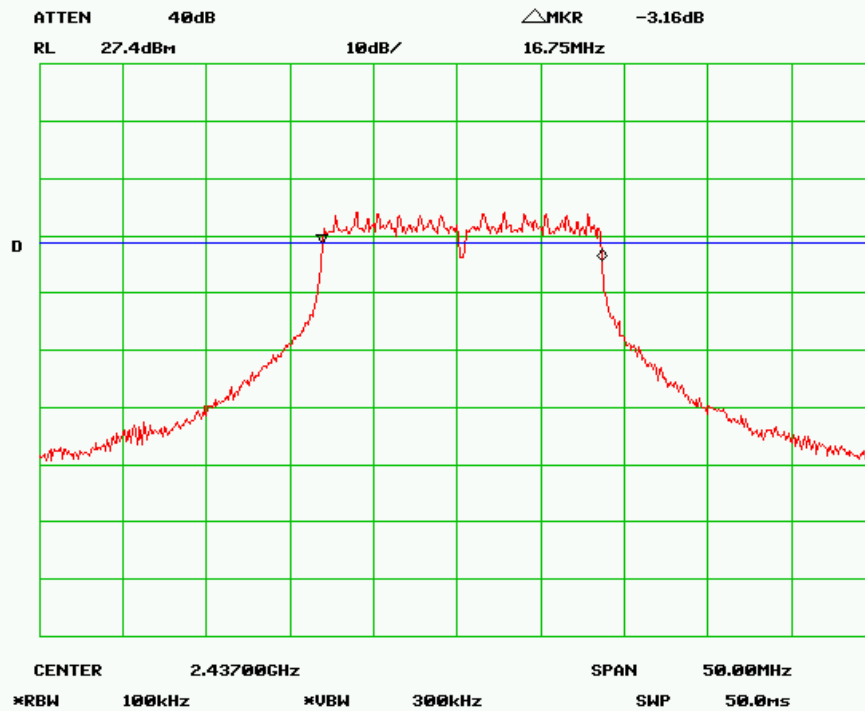
99% dB Bandwidth - 802.11b, High Channel



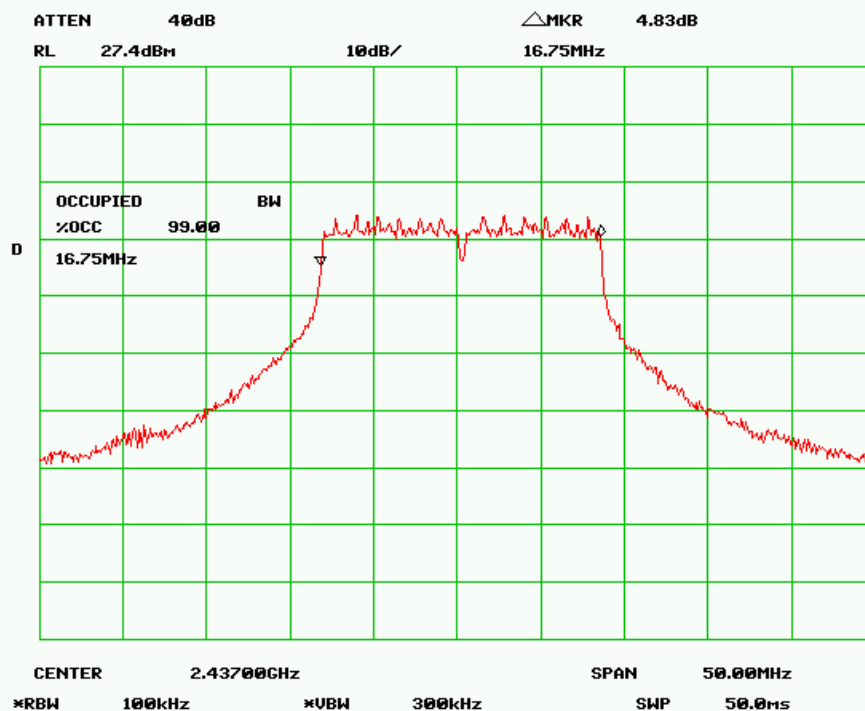
6 dB Bandwidth – 802.11g, Low Channel



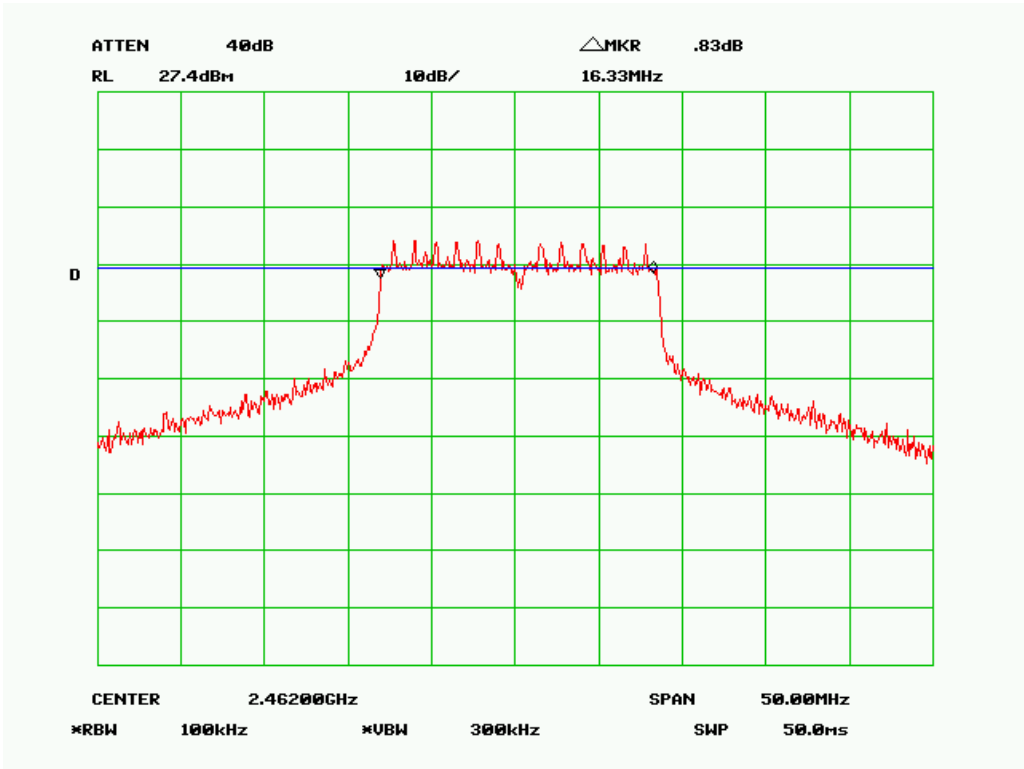
99% dB Bandwidth - 802.11g, Low Channel



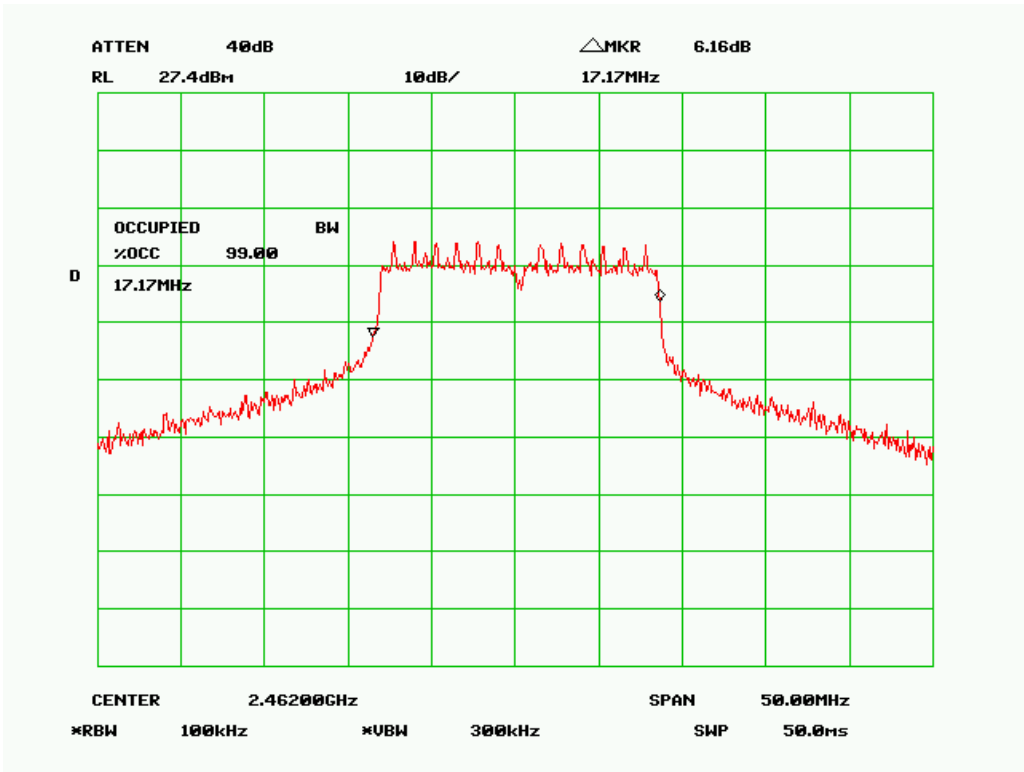
6 dB Bandwidth - 802.11g, Middle Channel



99% dB Bandwidth - 802.11g, Mid Channel



6 dB Bandwidth – 802.11g, High Channel



99% dB Bandwidth - 802.11g, High Channel

5.4 20dB Occupied Bandwidth

1. Conducted Measurement
 EUT was set for low , mid, high channel with modulated mode and highest RF output power.
 The spectrum analyzer was connected to the antenna terminal.
2. Environmental Conditions

Temperature	N/A
Relative Humidity	N/A
Atmospheric Pressure	N/A
3. Conducted Emissions Measurement Uncertainty
 All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
4. Test Date : N/A
 Tested By :N/A

Requirement(s): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Procedures: The 20dB bandwidths were measured conducted using a spectrum analyzer at low, mid, and hi channels.

Results: Pass

Configuration : N/A

Channel	Channel Frequency (MHz)	20 dB Bandwidth (MHz)
Low	N/A	N/A
Mid	N/A	N/A
High	N/A	N/A

5.5 Number of Hopping Channel

- Conducted Measurement
1. EUT was set for low , mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
Conducted Emissions Measurement Uncertainty
- 2 All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
- 3 Environmental Conditions

Temperature	N/A
Relative Humidity	N/A
Atmospheric Pressure	N/A
- 4 Test Date : N/A
Tested By :N/A

Standard Requirement:

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

Procedures: The Number of Hopping Channel measurement was taken conducted using a spectrum analyzer.

RBW=100 KHz, VBW > RBW

Test Result: N/A

5.6 Time of Occupancy

1. Conducted Measurement
EUT was set for low, mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
3. Environmental Conditions

Temperature	N/A
Relative Humidity	N/A
Atmospheric Pressure	N/A
4. Test Date : N/A
Tested By :N/A

Standard Requirement:

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used

Procedures: The Time of Occupancy measurement was taken conducted using a spectrum analyzer.

Test Result: N/A

5.7 Peak Spectral Density

1. Conducted Measurement
EUT was set for low , mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
3. Environmental Conditions

Temperature	23°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
4. Test Date : Aug 18-Sep 13 2010
Tested By :David Zhang

Standard Requirement: 47 CFR §15.247(e)

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

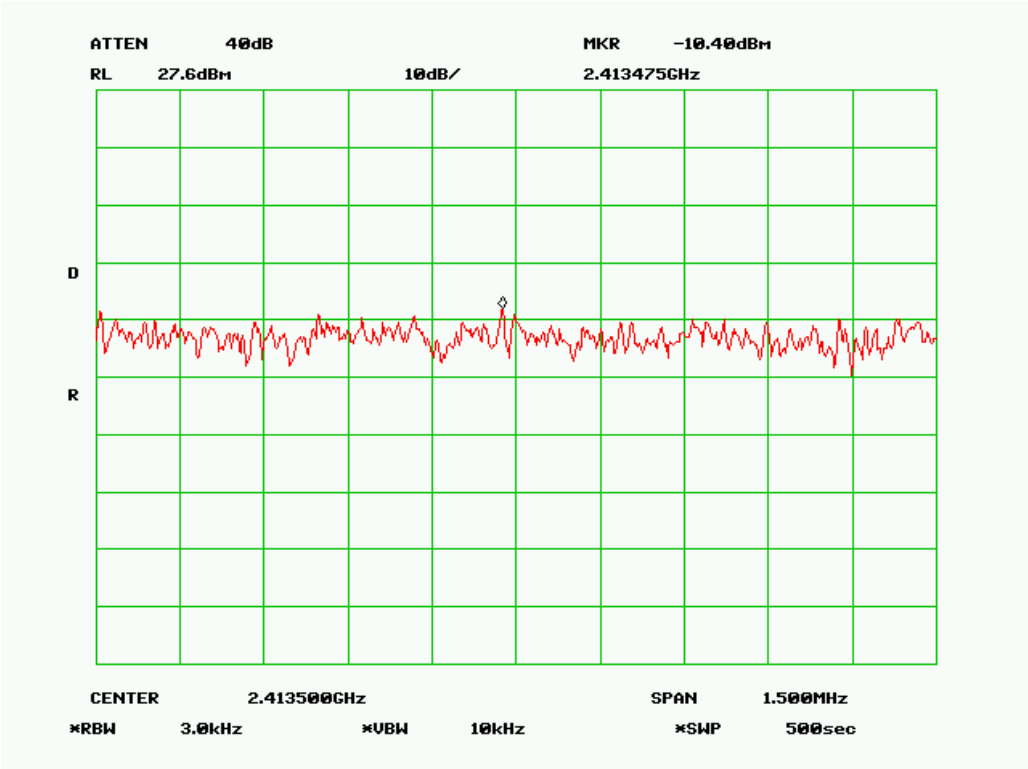
Procedures: The Peak Spectral density measurement was taken conducted using a spectrum analyzer with average measurement method

RBW=3KHz, VBW > RBW, Sweep time atuo

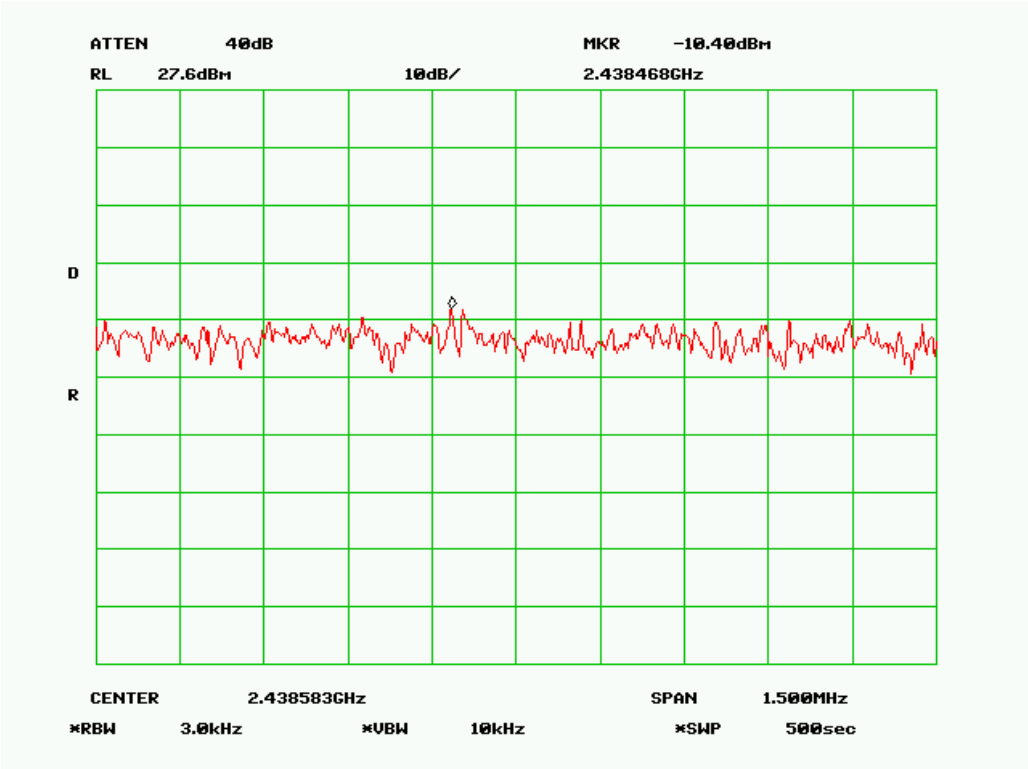
Test Result: Pass

Configuration Mode	Channel	Channel Frequency (MHz)	Peak Spectral Density Limit (dBm/3KHz)	Peak Spectral Density (dBm/3KHz)
802.11b	Low	2412	8	-10.40
802.11b	Mid	2437	8	-10.40
802.11b	High	2462	8	-10.57
802.11g	Low	2412	8	-10.07
802.11g	Mid	2437	8	-10.40
802.11g	High	2462	8	-10.40

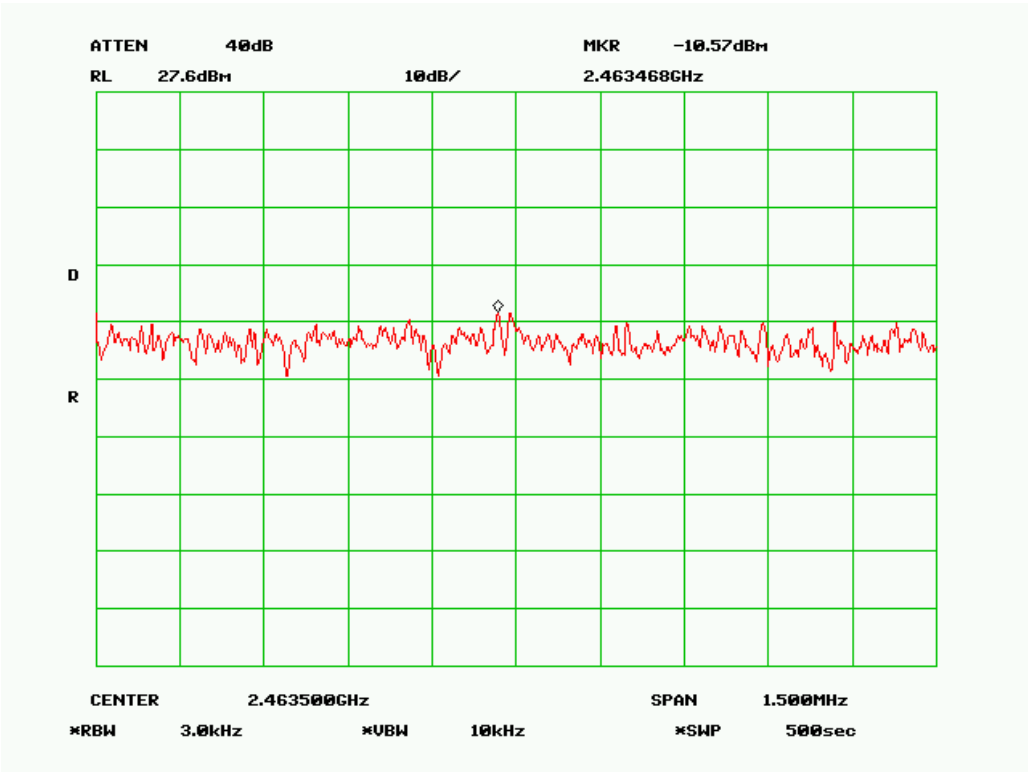
Refer to the attached plots.



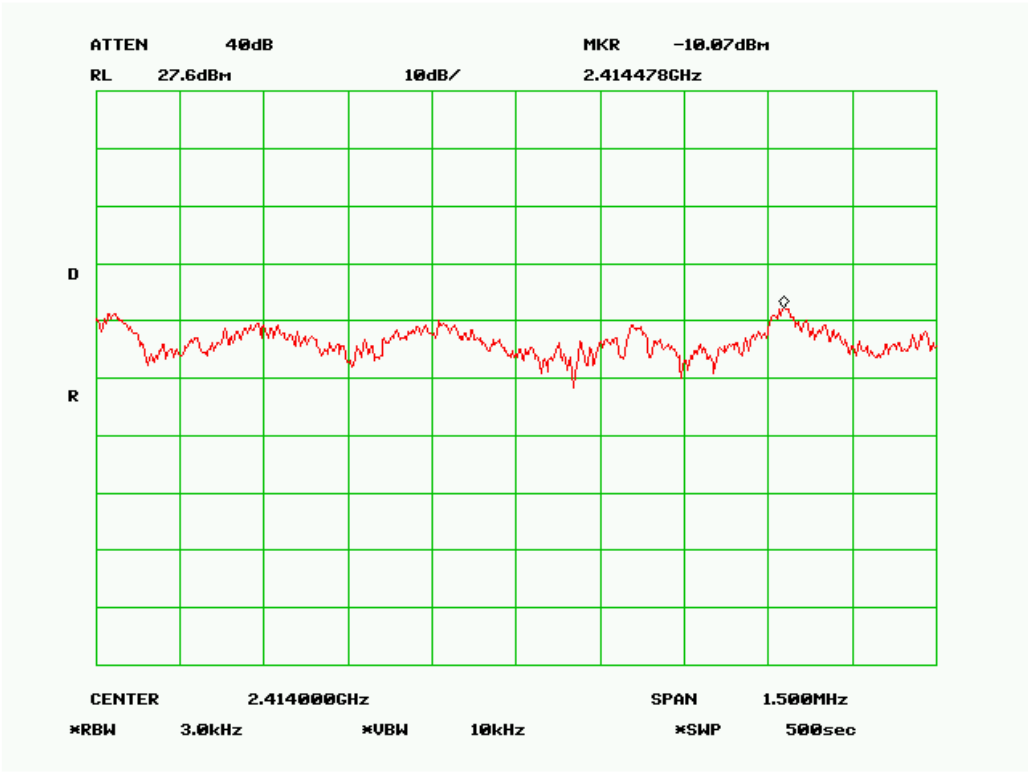
PSD Low Channel(802.11b)



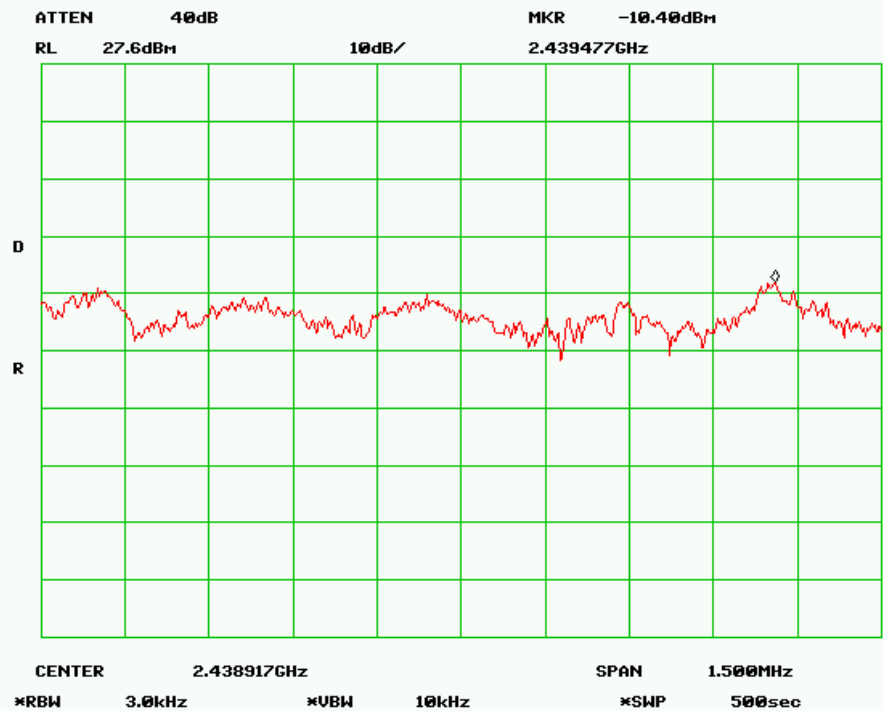
PSD Mid Channel (802.11b)



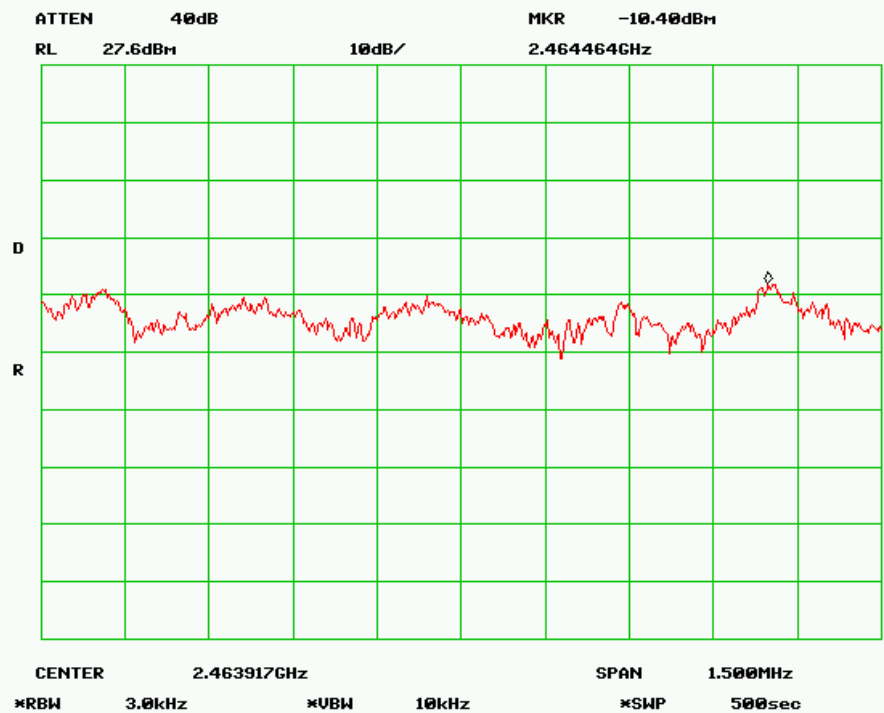
PSD High Channel (802.11b)



PSD Low Channel (802.11g)



PSD Mid Channel (802.11g)



PSD High Channel (802.11g)

5.8 Peak Output Power

1. Conducted Measurement
EUT was set for low , mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
3. Environmental Conditions

Temperature	23°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
4. Test Date : Aug 18-Sep 13 2010
Tested By :David Zhang

Standard Requirement: 47 CFR §15.247(b)

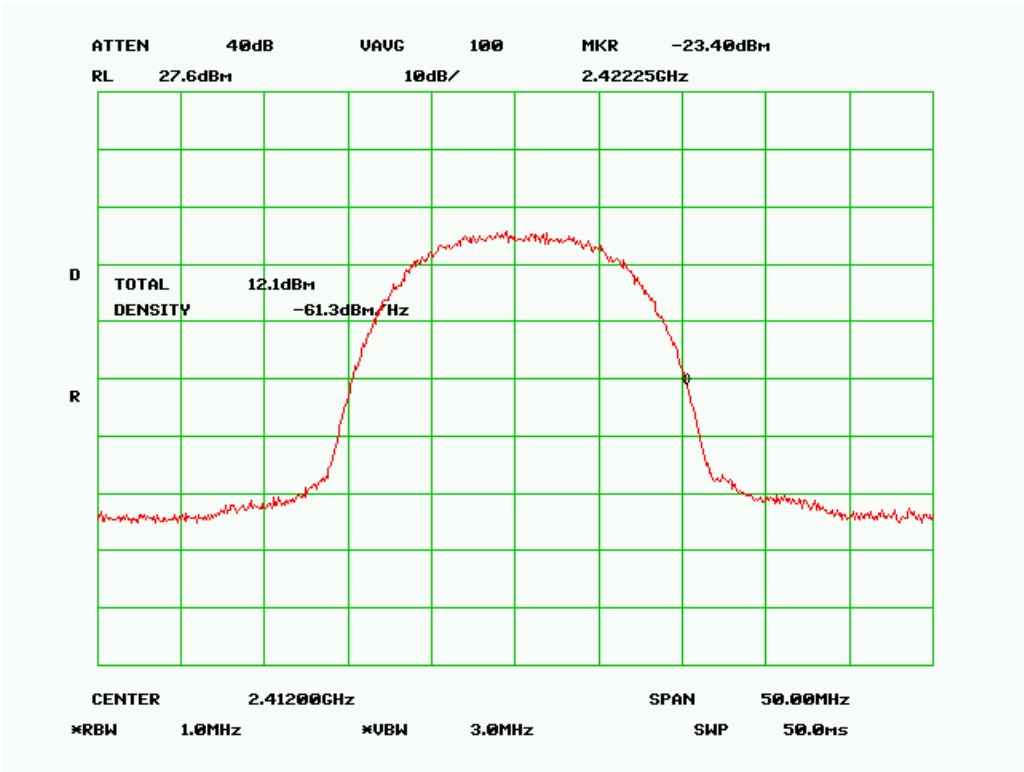
For all other frequency hopping systems in the 2400-2483.5band: 0.125 Watt.

Procedures: The peak output power was measured conducted using a spectrum analyzer at low, mid, and hi channels. Peak detector was set to measure the power output. The power is converted from watt to dBm, therefore, 1 watt = 30 dBm.

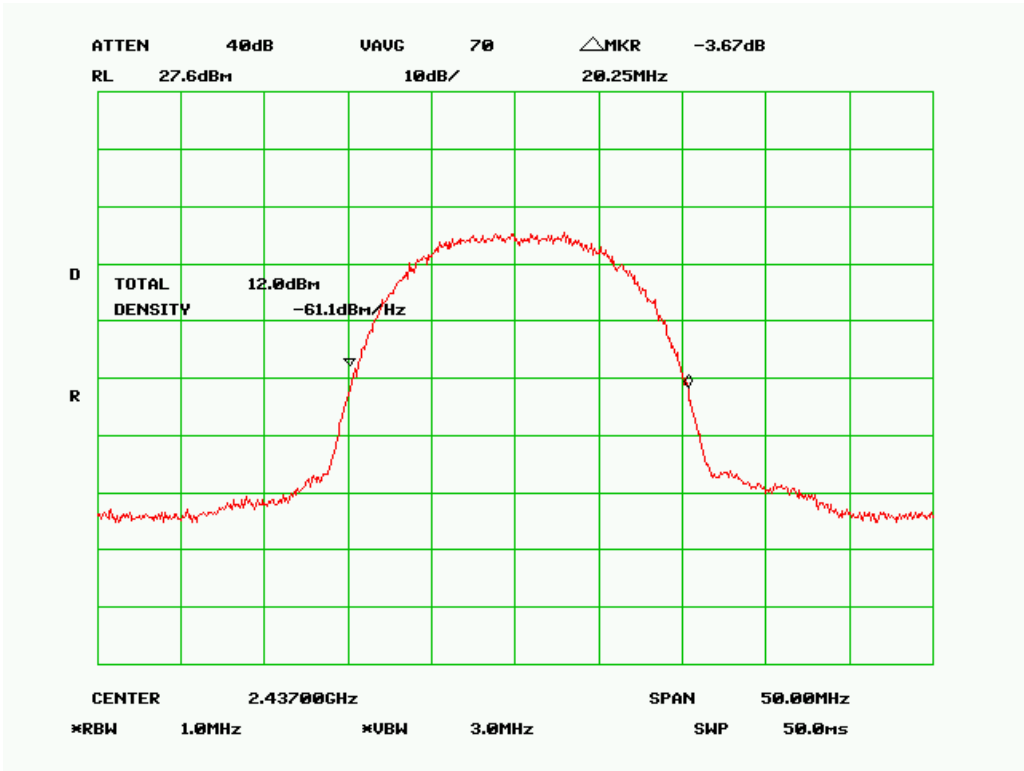
Test Result: Pass

DSSS Measurement Result

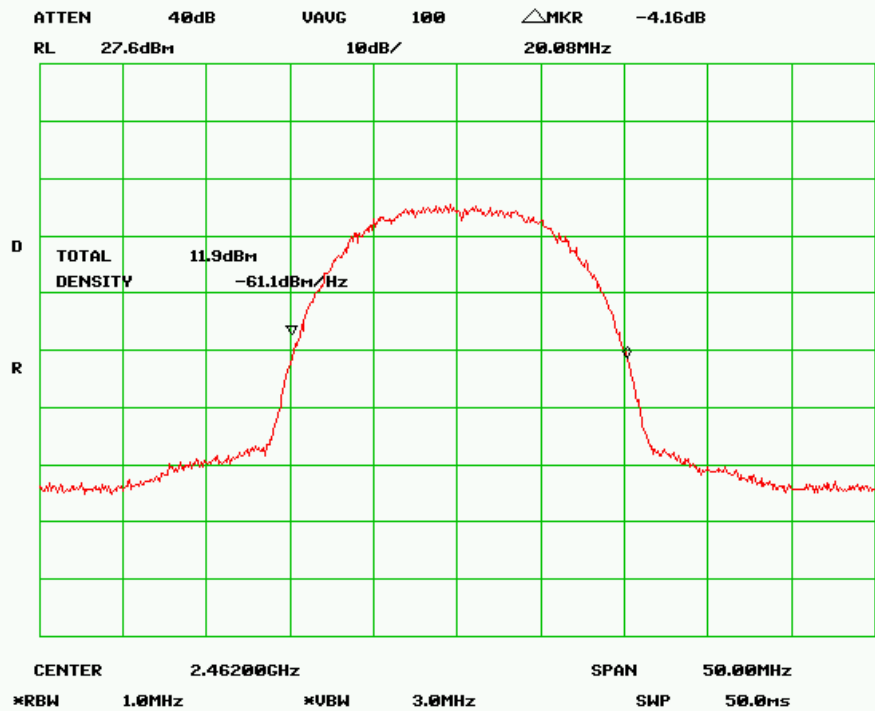
Configuration Mode	Antenna Gain	Channel	Channel Frequency (MHz)	Peak Output Power Limit (dBm)	Measured Output Power(dBm)
802.11b	1.62dBi	Low	2412	30	12.10
802.11b	1.62dBi	Mid	2437	30	12.00
802.11b	1.62dBi	High	2462	30	11.90
802.11g	1.62dBi	Low	2412	30	10.50
802.11g	1.62dBi	Mid	2437	30	10.10
802.11g	1.62dBi	High	2462	30	10.30



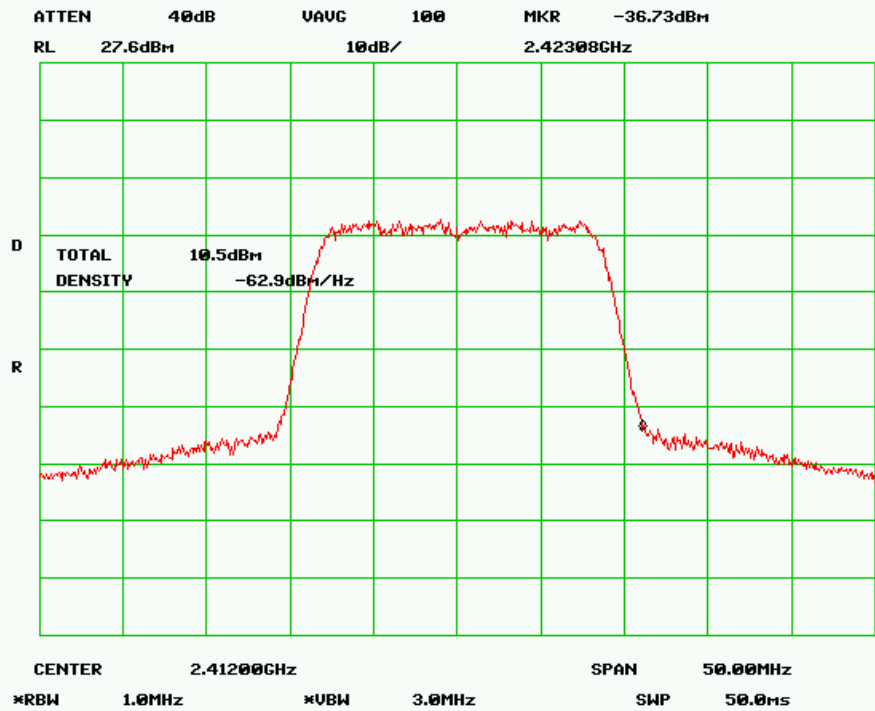
Output Power Low Channel (802.11b)



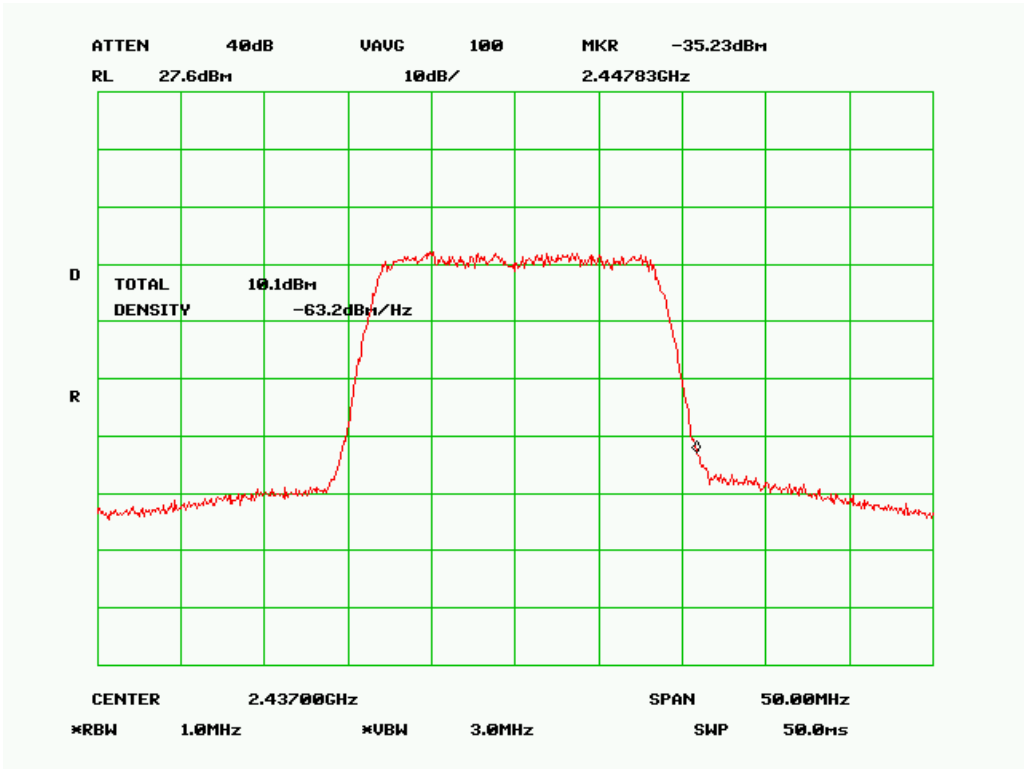
Output Power Middle Channel (802.11b)



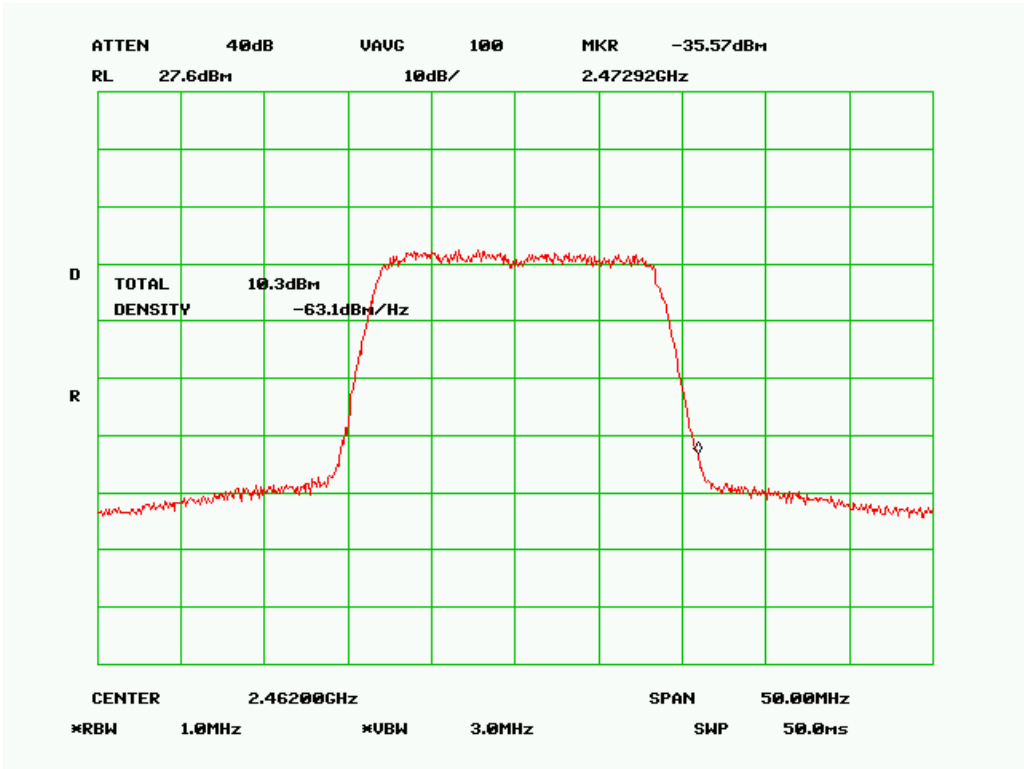
Output Power High Channel (802.11b)



Output Power Low Channel (802.11g)



Output Power Middle Channel (802.11g)



Output Power High Channel (802.11g)

5.9 Antenna Port Emission

1. Conducted Measurement
EUT was set for low , mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
2. Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
3. Environmental Conditions

Temperature	23°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
4. Test Date : Aug 18-Sep 13 2010
Tested By :David Zhang

Standard Requirement: 47 CFR §15.247(d)

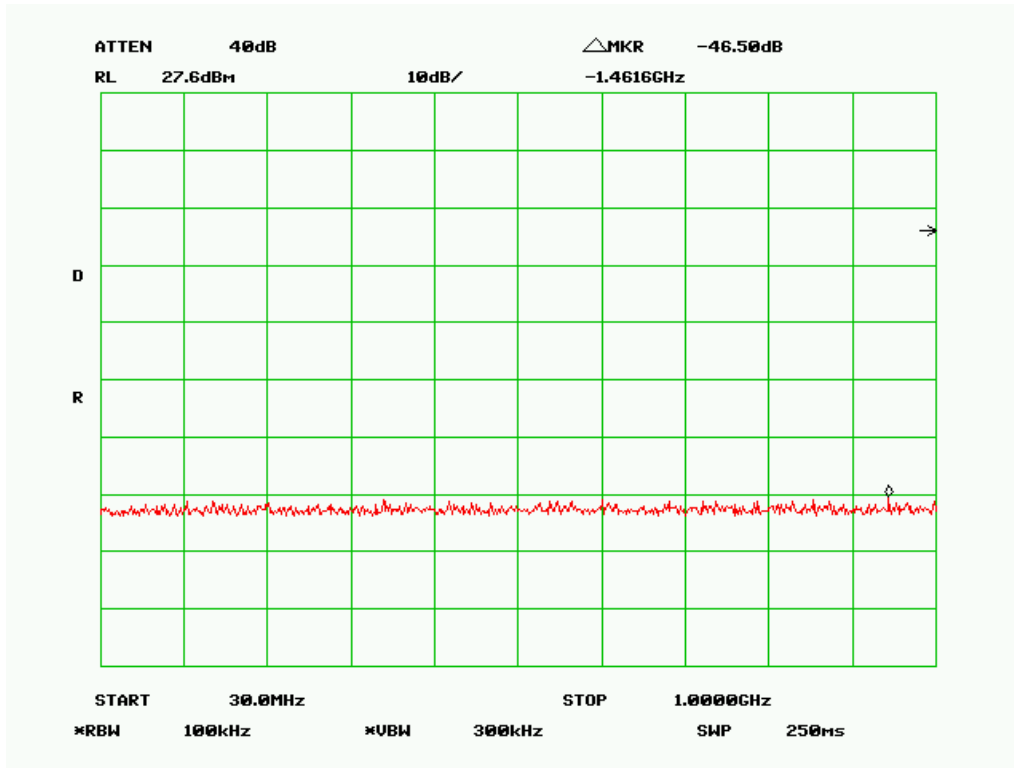
Radiated emission limits: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the modulation products of the spreading sequence, the information sequence and the carrier frequency shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

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

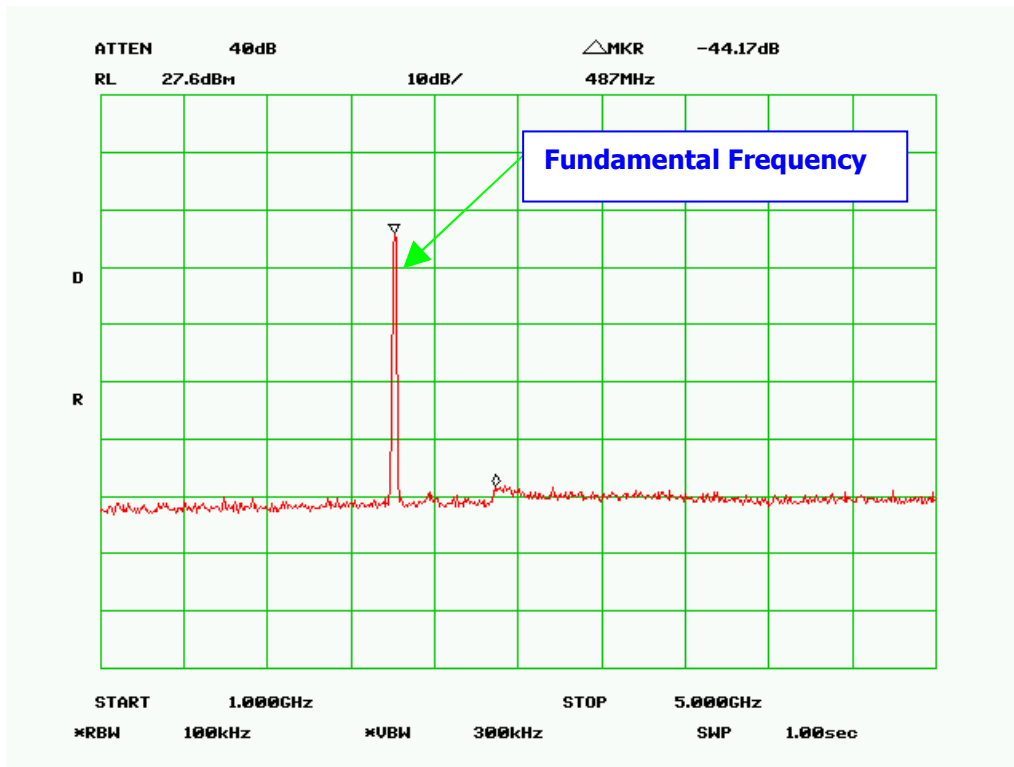
Test Result: Pass

Refer to the attached plots.

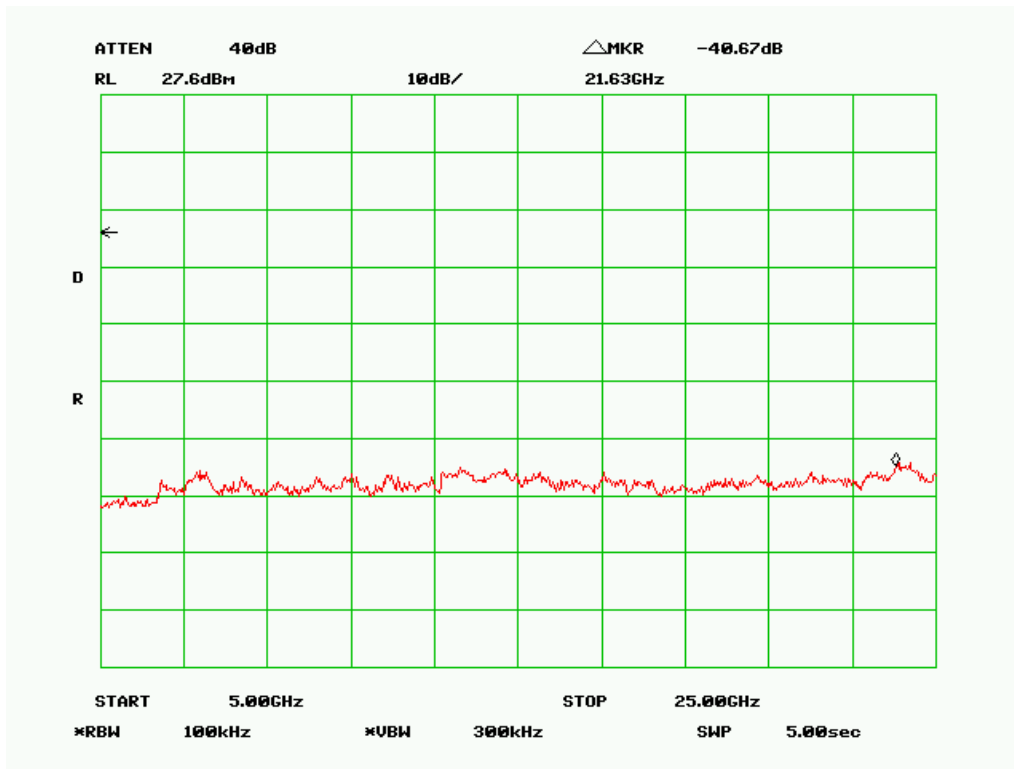
Configuration Mode : 802.11b



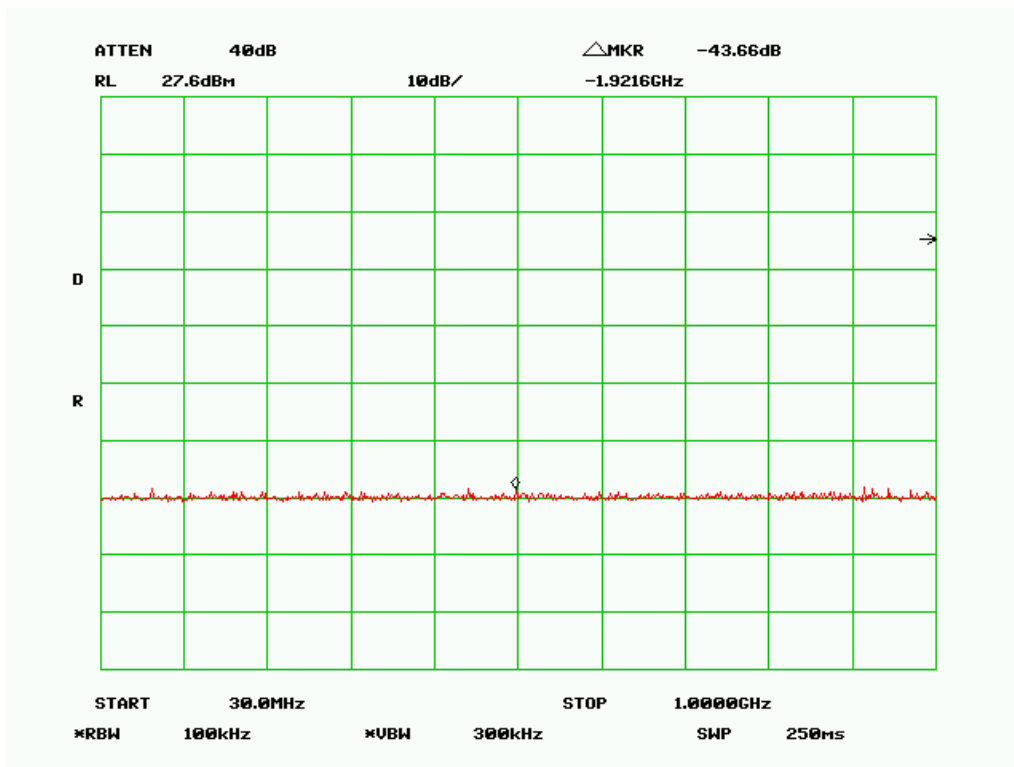
Low Channel -1



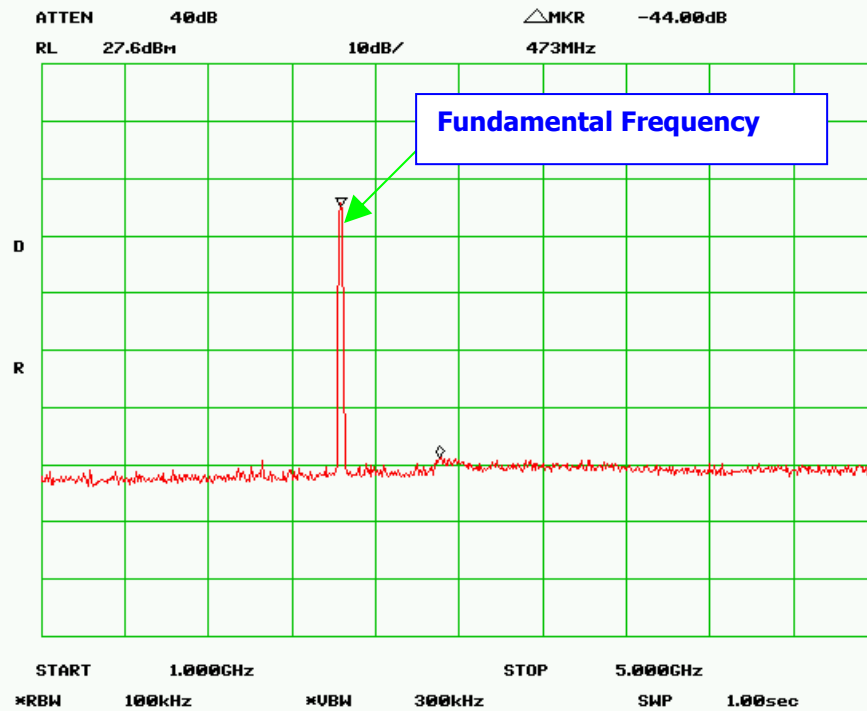
Low Channel -2



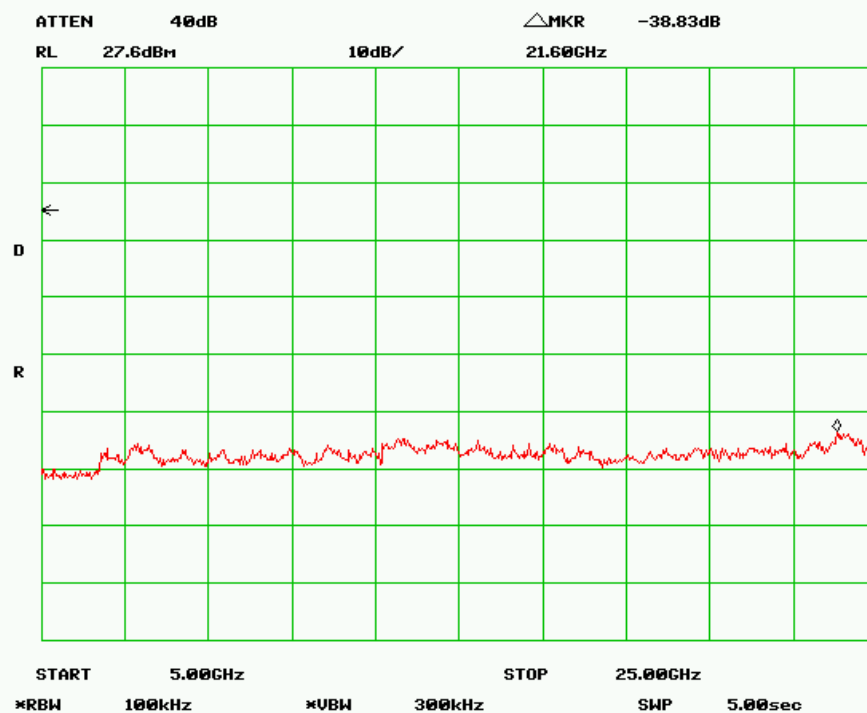
Low Channel -3



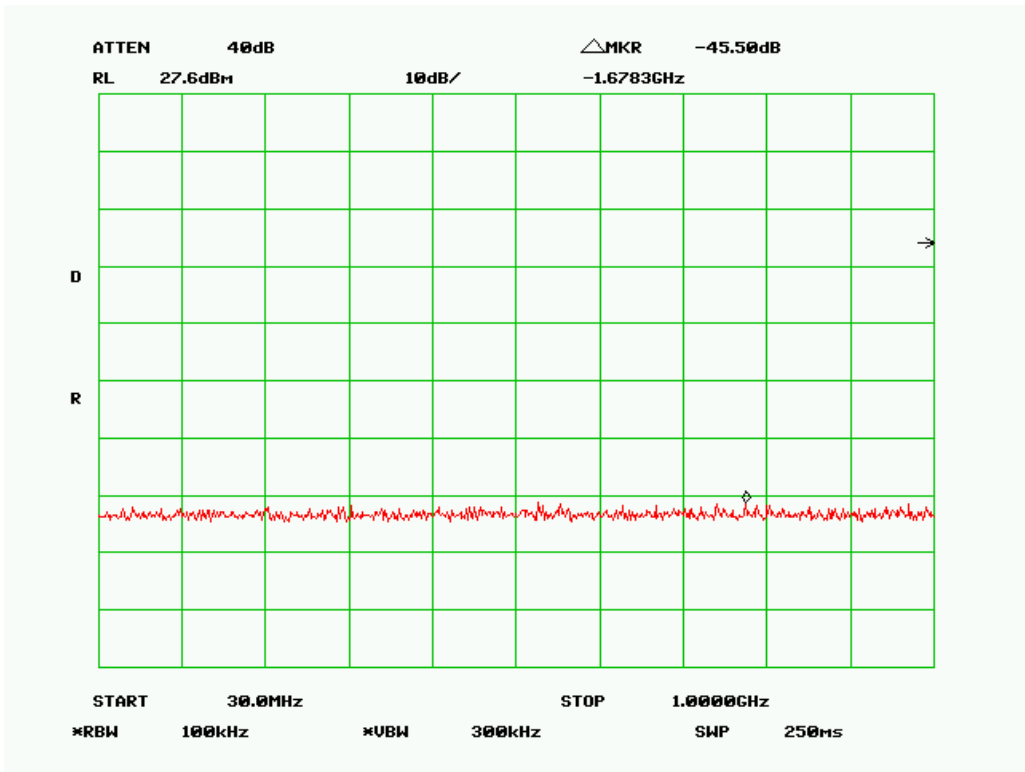
Mid Channel -1



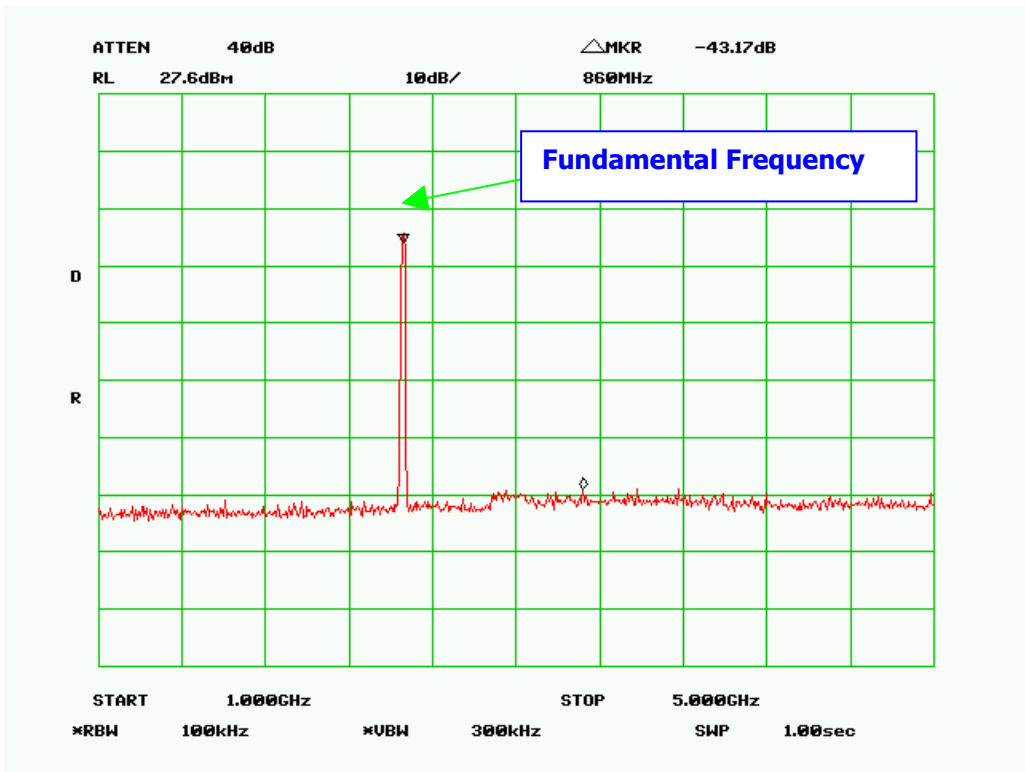
Mid Channel -2



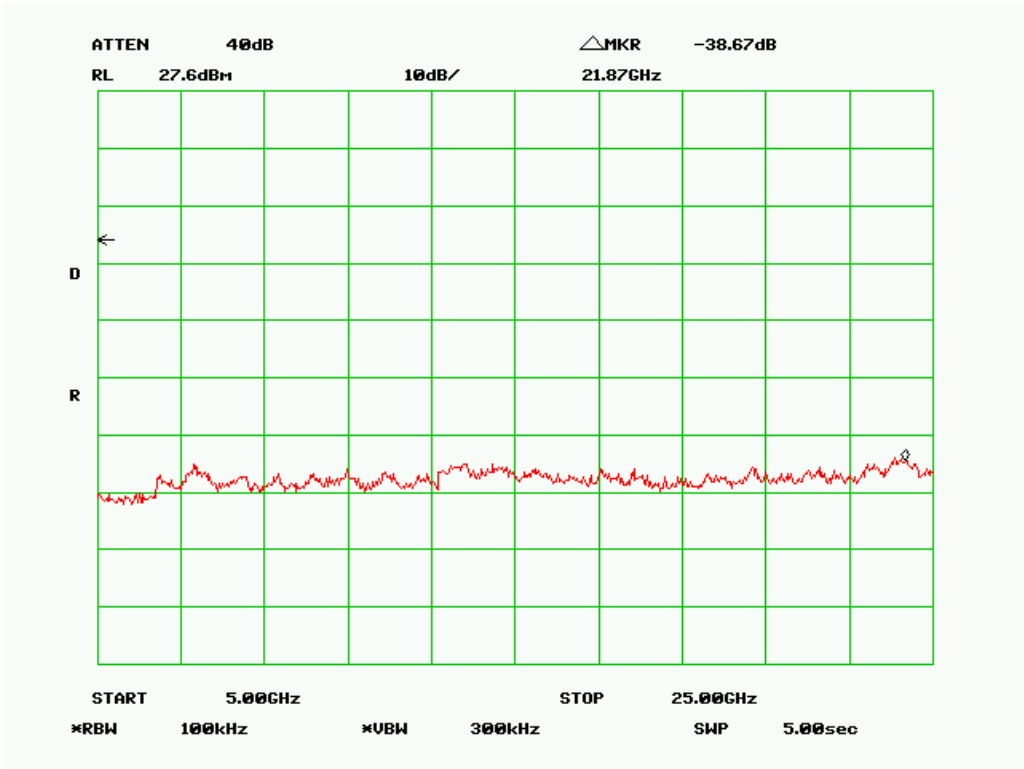
Mid Channel -3



High Channel -1

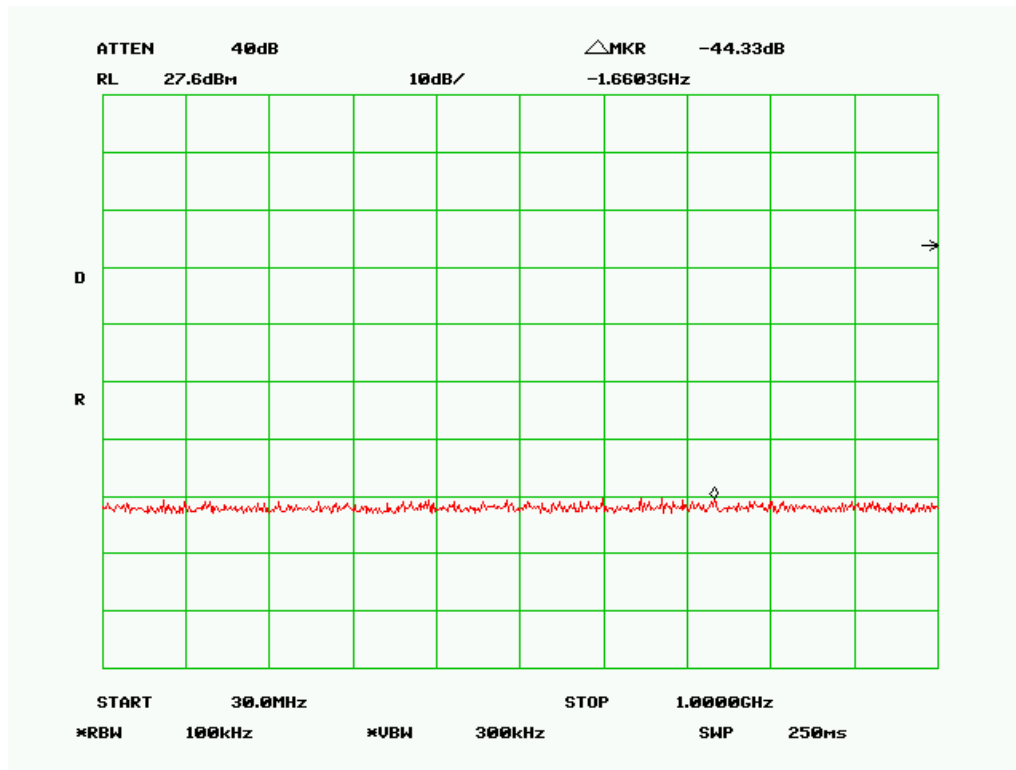


High Channel -2

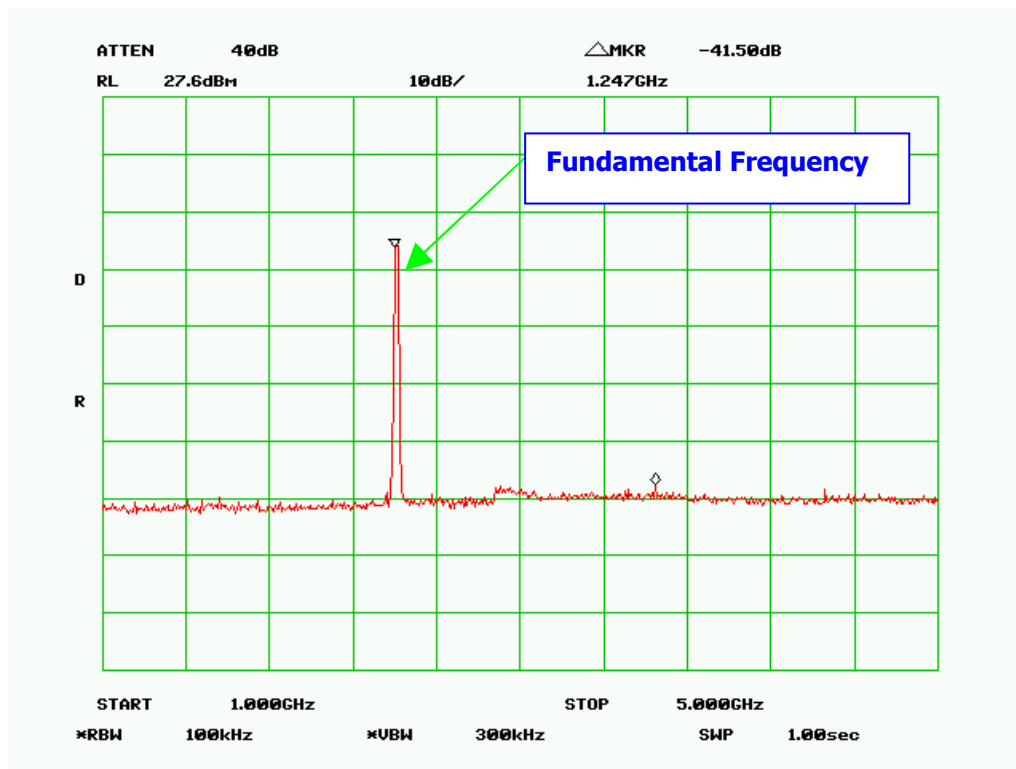


High Channel -3

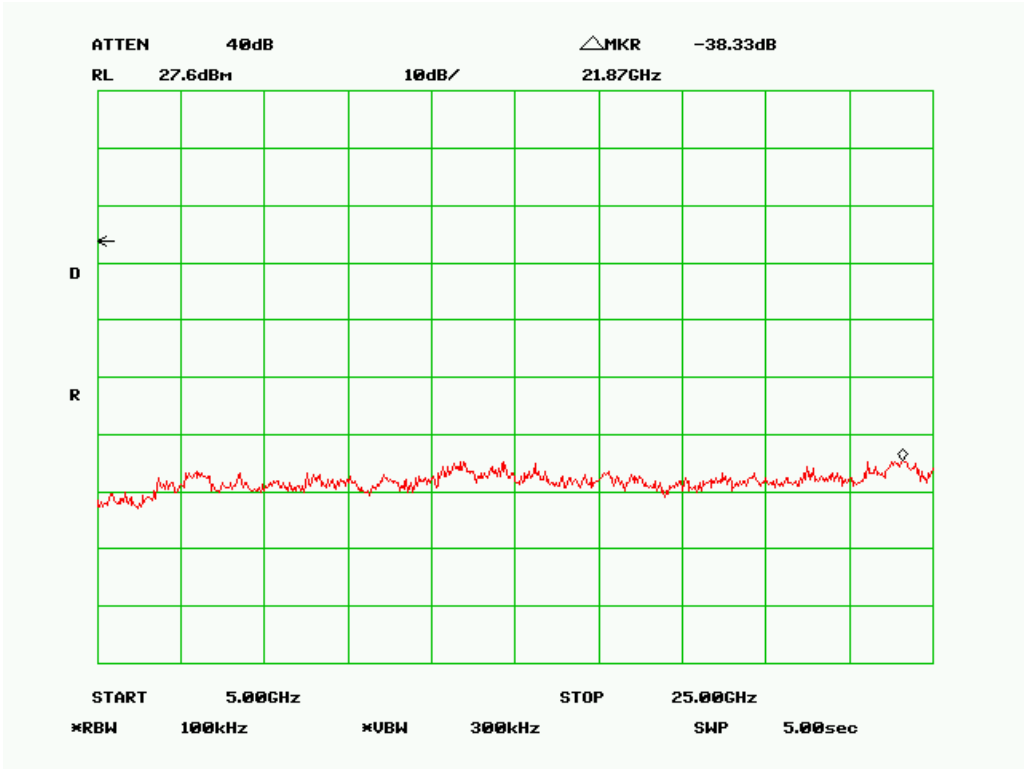
Configuration Mode : 802.11g



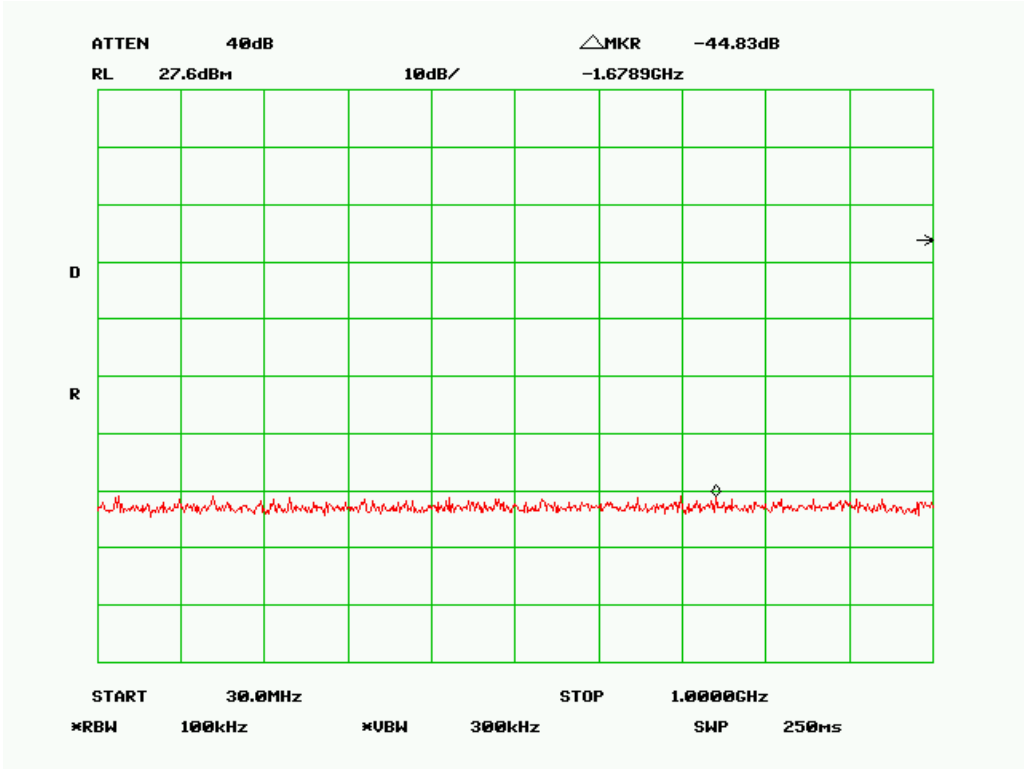
Low Channel -1



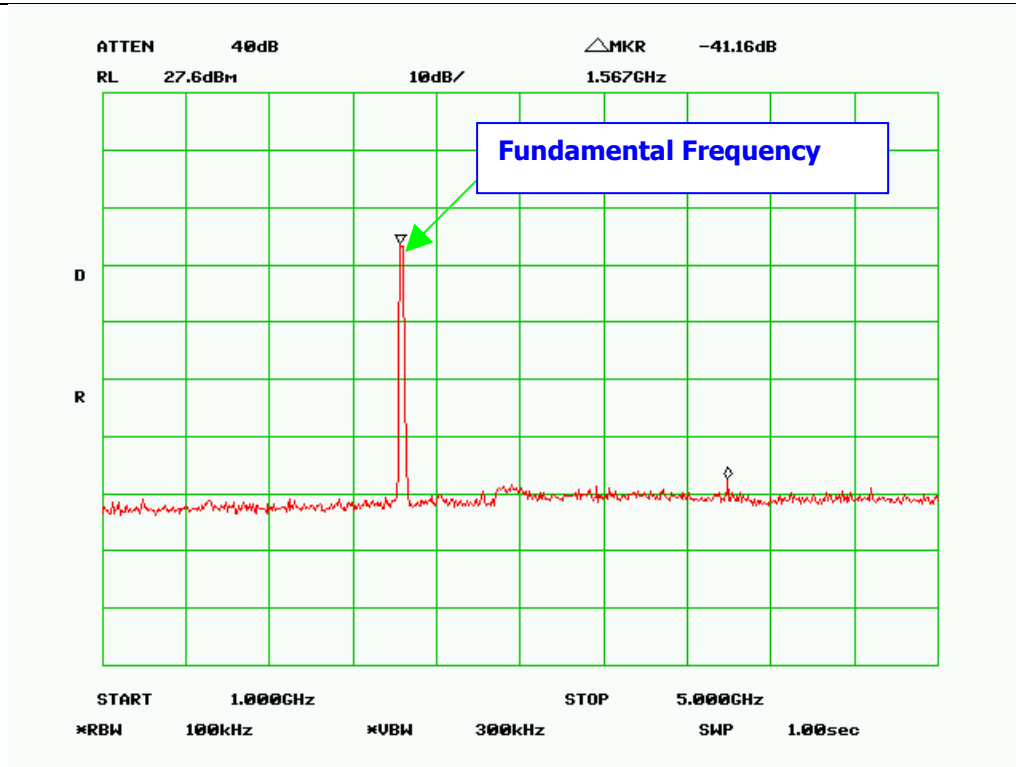
Low Channel -2



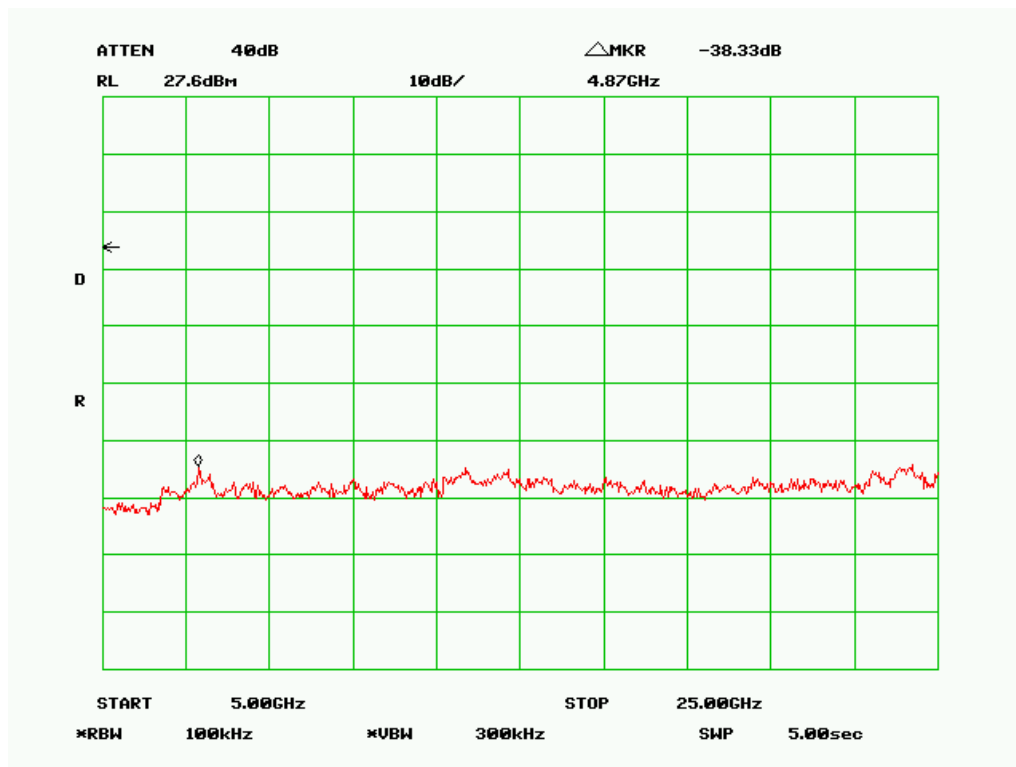
Low Channel -3



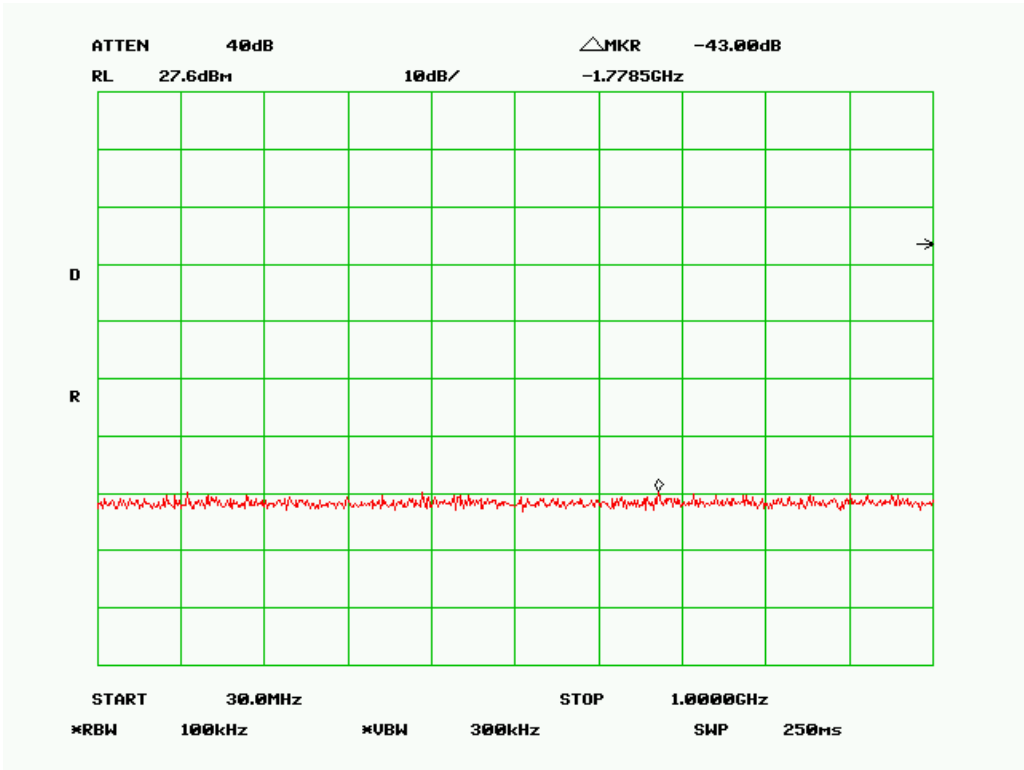
Mid Channel -1



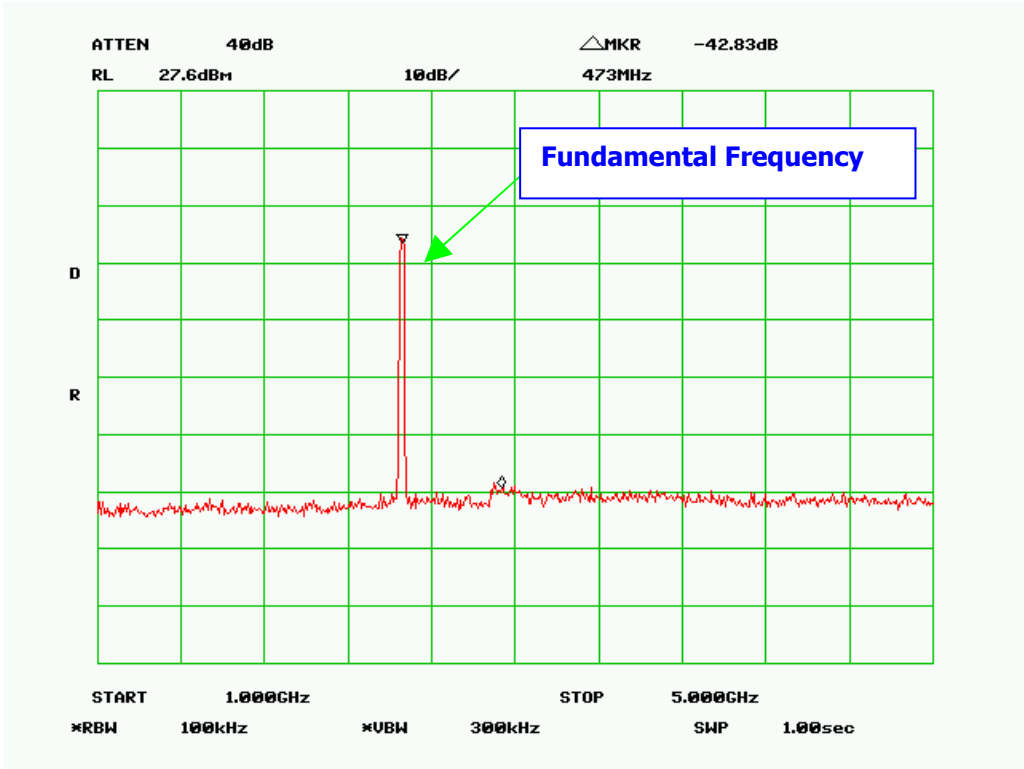
Mid Channel -2



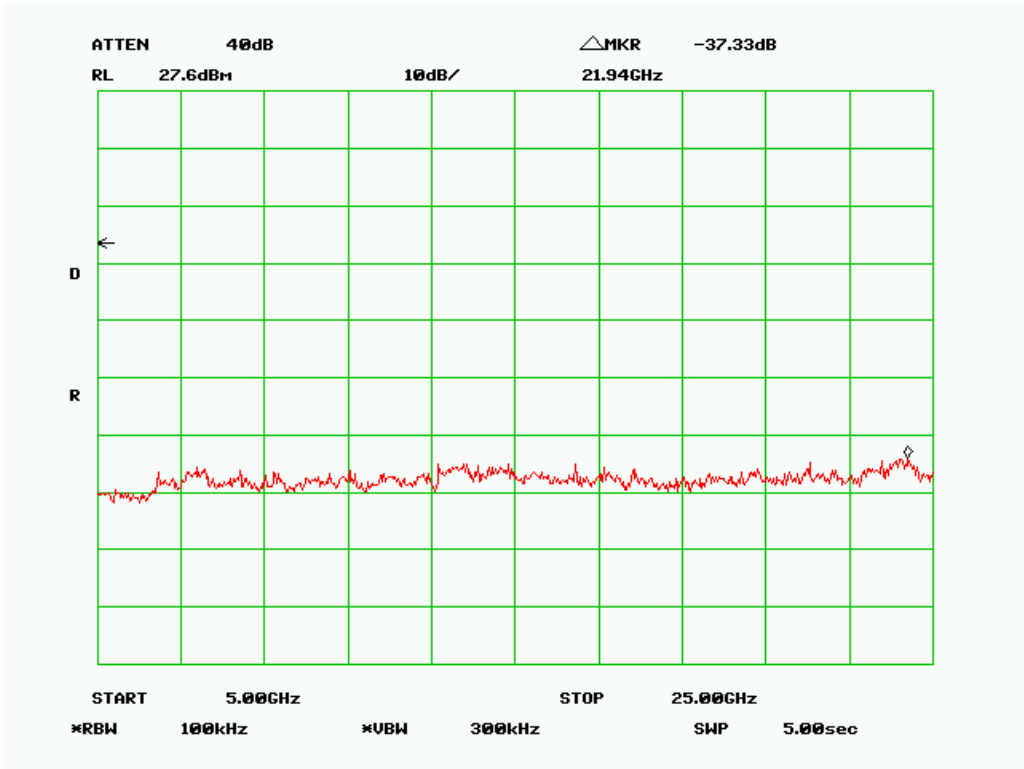
Mid Channel -3



High Channel -1



High Channel -2



High Channel -3

5.10 Radiated Spurious Emission < 1GHz

1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
 2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
 3. Radiated Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 1GHz (QP only @ 3m & 10m) is +6.0dB (for EUTs < 0.5m X 0.5m X 0.5m).
 - 4 Environmental Conditions Temperature 23°C
 Relative Humidity 50%
 Atmospheric Pressure 1019mbar
- Test Date : Aug 18-Sep 13 2010
Tested By :David Zhang

Standard Requirement: 47 CFR §15.247(d)

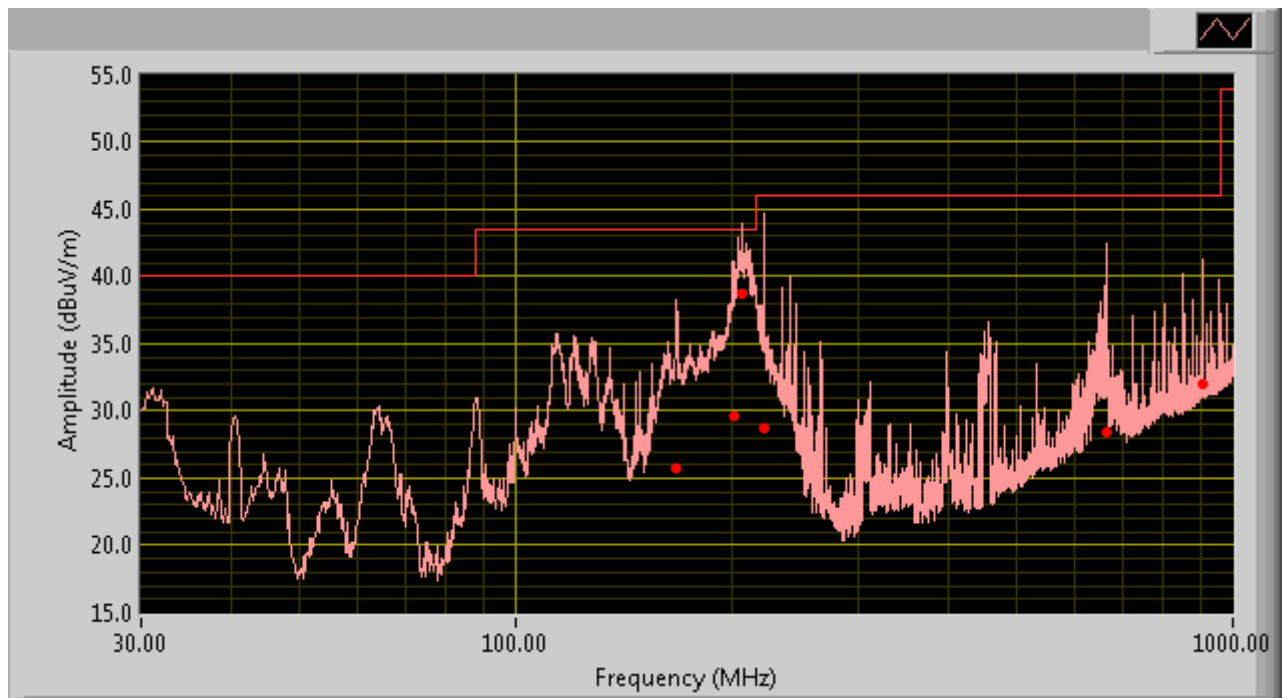
Procedures: Radiated emissions were measured according to ANSI C63.4. The EUT was set to transmit at the highest output power. The EUT was set to transmit at mid channel. Note that setting the channel other than middle, the spurious emissions are the same.

The limit is converted from microvolts/meter to decibel microvolts/meter.

Sample Calculation: Corrected Amplitude = Raw Amplitude (dBμV/m) + ACF (dB) + Cable Loss (dB)

Test Result: Pass

Radiated Emissions (Configuration with laptop)

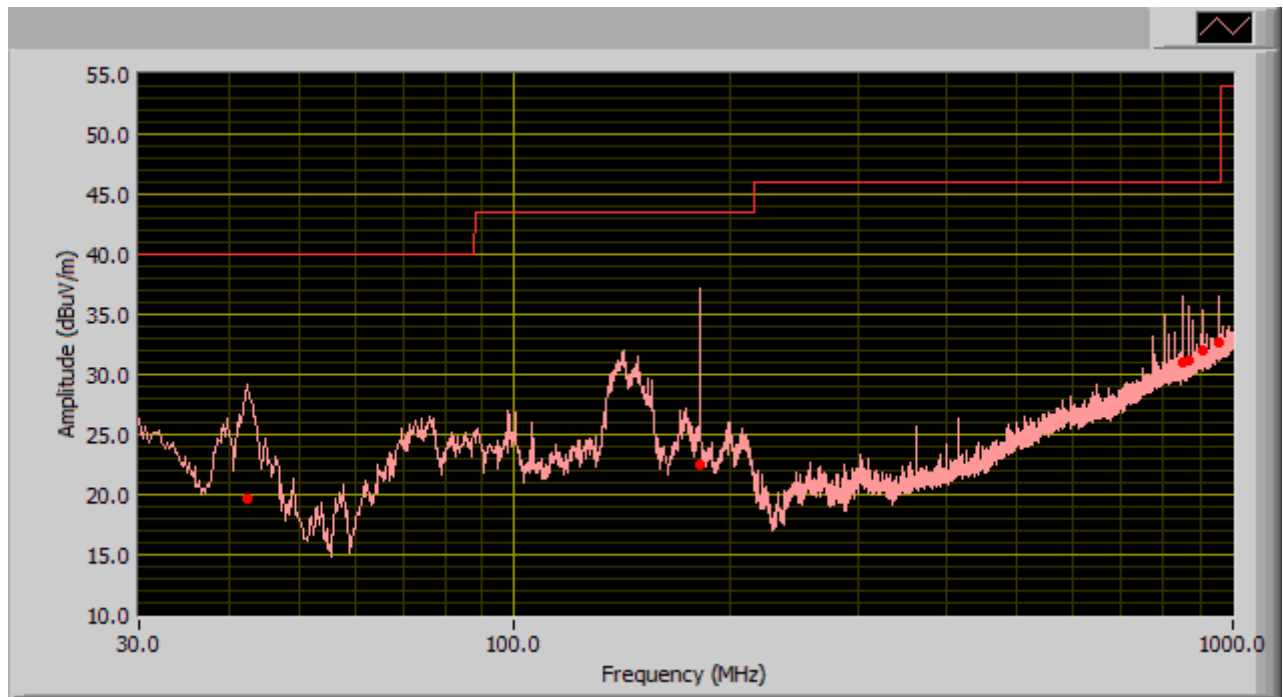


Limit

30MHz ~1000MHz Result @ 3m

Frequency (MHz)	Corrected Quasi-Peak (dBμV/m) @ 3m	Turntable position (deg)	Polarity	Antenna height (cm)	Limit (dBμV/m)	Margin (dB)
206.36	38.76	222.00	H	156.00	43.50	-4.74
221.76	28.80	154.00	H	140.00	46.00	-17.20
201.52	29.56	227.00	H	157.00	43.50	-13.94
667.02	28.39	168.00	H	386.00	46.00	-17.61
905.40	31.97	3.00	V	125.00	46.00	-14.03
167.63	25.75	284.00	H	207.00	43.50	-17.75

Radiated Emissions (Configuration with AC adapter)

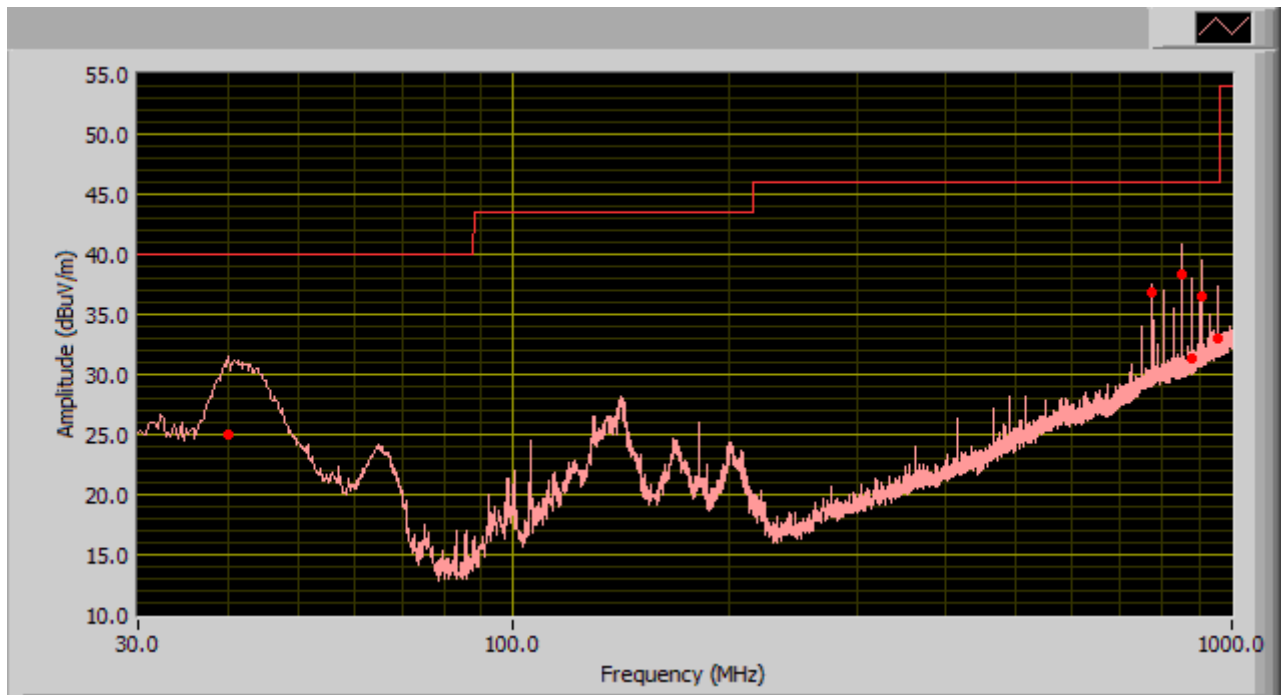


Limit

30MHz ~1000MHz Result @ 3m

Frequency (MHz)	Corrected Quasi-Peak (dBμV/m) @ 3m	Turntable position (deg)	Polarity	Antenna height (cm)	Limit (dBμV/m)	Margin (dB)
180.97	22.54	152.00	V	100.00	43.50	-20.96
957.04	32.65	349.00	V	386.00	46.00	-13.35
853.53	30.92	67.00	V	385.00	46.00	-15.08
866.47	31.14	117.00	V	326.00	46.00	-14.86
905.19	31.97	322.00	V	291.00	46.00	-14.03
42.40	19.69	74.00	V	140.00	40.00	-20.31

Radiated Emissions (Configuration with mobile charger)



Limit

30MHz ~1000MHz Result @ 3m

Frequency (MHz)	Corrected Quasi-Peak (dBμV/m) @ 3m	Turntable position (deg)	Polarity	Antenna height (cm)	Limit (dBμV/m)	Margin (dB)
853.66	38.31	192.00	V	107.00	46.00	-7.69
905.41	36.52	134.00	V	108.00	46.00	-9.48
879.47	31.29	181.00	V	322.00	46.00	-14.71
40.11	24.95	155.00	V	100.00	40.00	-15.05
776.07	36.91	268.00	H	192.00	46.00	-9.09
957.15	33.00	219.00	V	101.00	46.00	-13.00

5.11 Radiated Spurious Emissions > 1GHz & Band Edge

1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
3. Radiated Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 1GHz – 40GH is +6.0dB (for EUTs < 0.5m X 0.5m X 0.5m).
4. Environmental Conditions

Temperature	23°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar

Test Date : Aug 18-Sep 13 2010
Tested By :David Zhang

Standard Requirement: 47 CFR §15.247(d)

Procedures: Equipment was setup in a semi-anechoic chamber. For measurements above 1 GHz an average measurement was taken with a 10Hz video bandwidth. The EUT was tested at low, mid and high with the highest output power. An emission was scan up to 10th harmonic of the operating frequency.

Sample Calculation:

EUT Field Strength = Raw Amplitude (dBμV/m) – Amplifier Gain (dB) + Antenna Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used)

Test Result: Pass

Configuration : 802.11b

Low Channel @ 2412MHz @ 3 Meter

Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
4.824	53.44	215.00	100.00	V	32.20	4.49	32.49	57.64	74.00	-16.37	Peak
4.824	36.61	215.00	100.00	V	32.20	4.49	32.49	40.81	54.00	-13.19	Ave
4.824	56.28	287.00	177.00	H	32.20	4.49	32.49	60.48	74.00	-13.52	Peak
4.824	42.48	287.00	177.00	H	32.20	4.49	32.49	46.68	54.00	-7.32	Ave
7.236	44.89	314.00	166.00	V	35.10	6.18	32.39	53.78	74.00	-20.22	Peak
7.236	30.59	314.00	166.00	V	35.10	6.18	32.39	39.48	54.00	-14.52	Ave
7.236	50.16	13.00	157.00	H	35.10	6.18	32.39	59.05	74.00	-14.95	Peak
7.236	34.17	13.00	157.00	H	35.10	6.18	32.39	43.06	54.00	-10.94	Ave
9.648	44.50	118.00	184.00	V	38.90	6.76	32.32	57.84	74.00	-16.16	Peak
9.648	29.73	118.00	184.00	V	38.90	6.76	32.32	43.07	54.00	-10.93	Ave
9.648	44.63	235.00	171.00	H	38.90	6.76	32.32	57.97	74.00	-16.04	Peak
9.648	29.90	235.00	171.00	H	38.90	6.76	32.32	43.24	54.00	-10.76	Ave

Note: Emission was scanned up to 12GHz; no emissions were detected above the noise floor which was at least 20dB below the specification limit

Mid Channel @ 2437MHz @ 3 Meter

Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
4.874	56.28	218.00	100.00	V	32.20	4.49	32.49	60.48	74.00	-13.52	Peak
4.874	37.60	218.00	100.00	V	32.20	4.49	32.49	41.80	54.00	-12.20	Ave
4.874	61.92	146.00	151.00	H	32.20	4.49	32.49	66.12	74.00	-7.88	Peak
4.874	44.09	146.00	151.00	H	32.20	4.49	32.49	48.29	54.00	-5.71	Ave
7.311	50.55	214.00	100.00	V	35.10	6.18	32.39	59.44	74.00	-14.56	Peak
7.311	35.79	214.00	100.00	V	35.10	6.18	32.39	44.68	54.00	-9.32	Ave
7.311	54.30	127.00	148.00	H	35.10	6.18	32.39	63.19	74.00	-10.81	Peak
7.311	39.33	127.00	148.00	H	35.10	6.18	32.39	48.22	54.00	-5.78	Ave
9.748	44.14	271.00	100.00	V	38.90	6.76	32.32	57.48	74.00	-16.52	Peak
9.748	29.89	271.00	100.00	V	38.90	6.76	32.32	43.23	54.00	-10.77	Ave
9.748	44.54	7.00	115.00	H	38.90	6.76	32.32	57.88	74.00	-16.12	Peak
9.748	29.90	7.00	115.00	H	38.90	6.76	32.32	43.24	54.00	-10.76	Ave

Note: Emission was scanned up to 12GHz; no emissions were detected above the noise floor which was at least 20dB below the specification limit

High Channel @ 2462MHz @ 3 Meter

Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
4.924	51.14	218.00	100.00	V	32.20	4.49	32.49	55.34	74.00	-18.66	Peak
4.924	36.77	218.00	100.00	V	32.20	4.49	32.49	40.97	54.00	-13.03	Ave
4.924	58.33	122.00	177.00	H	32.20	4.49	32.49	62.53	74.00	-11.47	Peak
4.924	43.98	122.00	177.00	H	32.20	4.49	32.49	48.18	54.00	-5.82	Ave
7.386	45.62	162.00	153.00	V	35.10	6.18	32.39	54.51	74.00	-19.49	Peak
7.386	32.31	162.00	153.00	V	35.10	6.18	32.39	41.20	54.00	-12.80	Ave
7.386	47.90	77.00	174.00	H	35.10	6.18	32.39	56.79	74.00	-17.21	Peak
7.386	34.55	77.00	174.00	H	35.10	6.18	32.39	43.44	54.00	-10.56	Ave
9.848	44.03	357.00	100.00	V	38.90	6.76	32.32	57.37	74.00	-16.63	Peak
9.848	29.71	357.00	100.00	V	38.90	6.76	32.32	43.05	54.00	-10.95	Ave
9.848	44.40	357.00	100.00	H	38.90	6.76	32.32	57.74	74.00	-16.27	Peak
9.848	29.72	357.00	100.00	H	38.90	6.76	32.32	43.06	54.00	-10.94	Ave

Note: Emission was scanned up to 12GHz; no emissions were detected above the noise floor which was at least 20dB below the specification limit

Configuration : 802.11g

Low Channel @ 2412MHz @ 3 Meter

Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
4.824	53.74	218.00	103.00	V	32.20	4.49	32.49	57.94	74.00	-16.06	Peak
4.824	37.67	218.00	103.00	V	32.20	4.49	32.49	41.87	54.00	-12.13	Ave
4.824	58.25	145.00	190.00	H	32.20	4.49	32.49	62.45	74.00	-11.55	Peak
4.824	42.37	145.00	190.00	H	32.20	4.49	32.49	46.57	54.00	-7.43	Ave
7.236	48.32	216.00	100.00	V	35.10	6.18	32.39	57.21	74.00	-16.79	Peak
7.236	32.68	216.00	100.00	V	35.10	6.18	32.39	41.57	54.00	-12.43	Ave
7.236	46.90	295.00	174.00	H	35.10	6.18	32.39	55.79	74.00	-18.21	Peak
7.236	32.16	295.00	174.00	H	35.10	6.18	32.39	41.05	54.00	-12.95	Ave
9.648	44.02	223.00	100.00	V	38.90	6.76	32.32	57.36	74.00	-16.64	Peak
9.648	29.66	223.00	100.00	V	38.90	6.76	32.32	43.00	54.00	-11.00	Ave
9.648	44.04	359.00	128.00	H	38.90	6.76	32.32	57.38	74.00	-16.62	Peak
9.648	29.63	359.00	128.00	H	38.90	6.76	32.32	42.97	54.00	-11.03	Ave

Note: Emission was scanned up to 12GHz; no emissions were detected above the noise floor which was at least 20dB below the specification limit

Mid Channel @ 2437MHz @ 3 Meter

Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
4.874	56.61	214.00	100.00	V	32.20	4.49	32.49	60.81	74.00	-13.19	Peak
4.874	42.05	214.00	100.00	V	32.20	4.49	32.49	46.25	54.00	-7.75	Ave
4.874	55.28	154.00	181.00	H	32.20	4.49	32.49	59.48	74.00	-14.52	Peak
4.874	40.46	154.00	181.00	H	32.20	4.49	32.49	44.66	54.00	-9.34	Ave
7.311	51.43	215.00	100.00	V	35.10	6.18	32.39	60.32	74.00	-13.68	Peak
7.311	35.88	215.00	100.00	V	35.10	6.18	32.39	44.77	54.00	-9.23	Ave
7.311	58.64	70.00	151.00	H	35.10	6.18	32.39	67.53	74.00	-6.47	Peak
7.311	39.15	70.00	151.00	H	35.10	6.18	32.39	48.04	54.00	-5.96	Ave
9.748	44.14	183.00	100.00	V	38.90	6.76	32.32	57.48	74.00	-16.52	Peak
9.748	29.87	183.00	100.00	V	38.90	6.76	32.32	43.21	54.00	-10.79	Ave
9.748	44.74	27.00	100.00	H	38.90	6.76	32.32	58.08	74.00	-15.92	Peak
9.748	29.84	27.00	100.00	H	38.90	6.76	32.32	43.18	54.00	-10.82	Ave

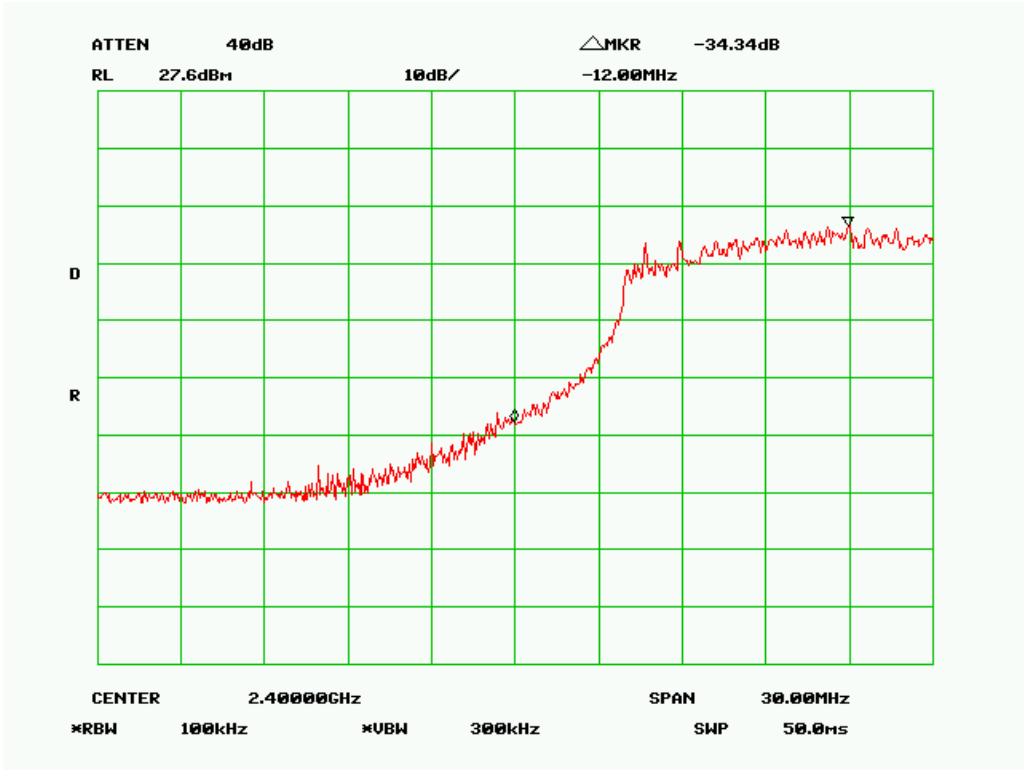
Note: Emission was scanned up to 12GHz; no emissions were detected above the noise floor which was at least 20dB below the specification limit

High Channel @ 2462MHz @ 3 Meter

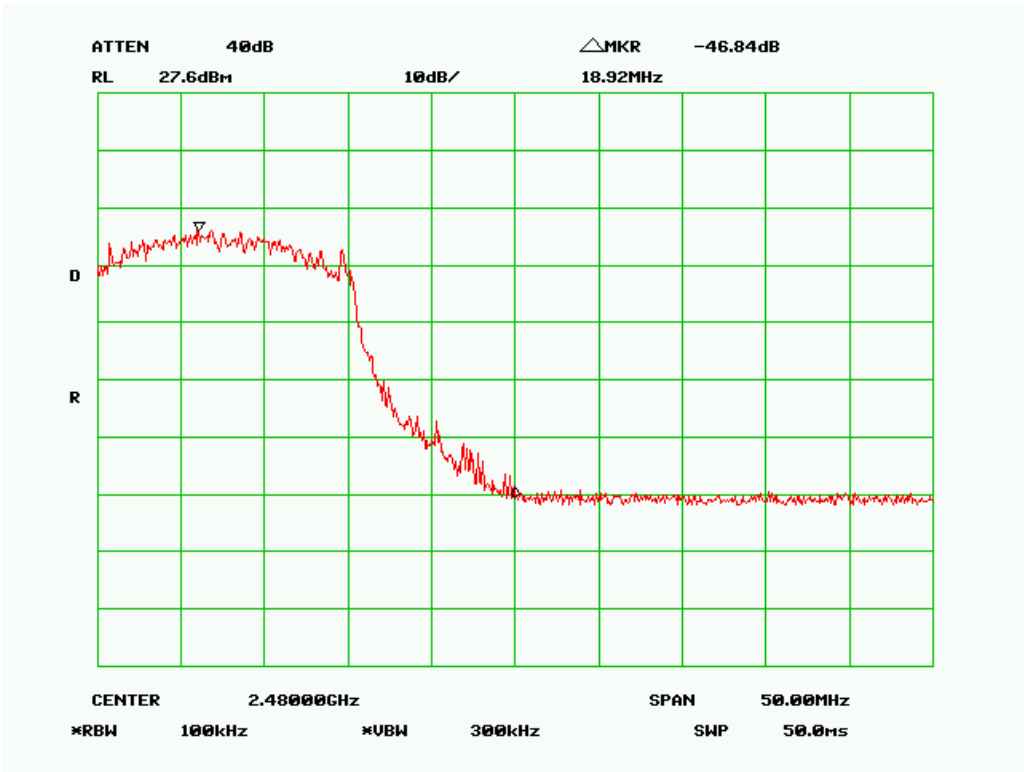
Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
4.924	52.57	215.00	100.00	V	32.20	4.49	32.49	56.77	74.00	-17.23	Peak
4.924	31.26	215.00	100.00	V	32.20	4.49	32.49	35.46	54.00	-18.54	Ave
4.924	58.53	122.00	185.00	H	32.20	4.49	32.49	62.73	74.00	-11.27	Peak
4.924	41.76	122.00	185.00	H	32.20	4.49	32.49	45.96	54.00	-8.04	Ave
7.386	47.17	217.00	100.00	V	35.10	6.18	32.39	56.06	74.00	-17.94	Peak
7.386	31.62	217.00	100.00	V	35.10	6.18	32.39	40.51	54.00	-13.49	Ave
7.386	49.21	181.00	201.00	H	35.10	6.18	32.39	58.10	74.00	-15.90	Peak
7.386	32.70	181.00	201.00	H	35.10	6.18	32.39	41.59	54.00	-12.41	Ave
9.848	44.16	293.00	100.00	V	38.90	6.76	32.32	57.50	74.00	-16.50	Peak
9.848	29.70	293.00	100.00	V	38.90	6.76	32.32	43.04	54.00	-10.96	Ave
9.848	44.55	81.00	200.00	H	38.90	6.76	32.32	57.89	74.00	-16.11	Peak
9.848	29.70	81.00	200.00	H	38.90	6.76	32.32	43.04	54.00	-10.96	Ave

Note: Emission was scanned up to 12GHz; no emissions were detected above the noise floor which was at least 20dB below the specification limit

Band Edge Plots (802.11b)

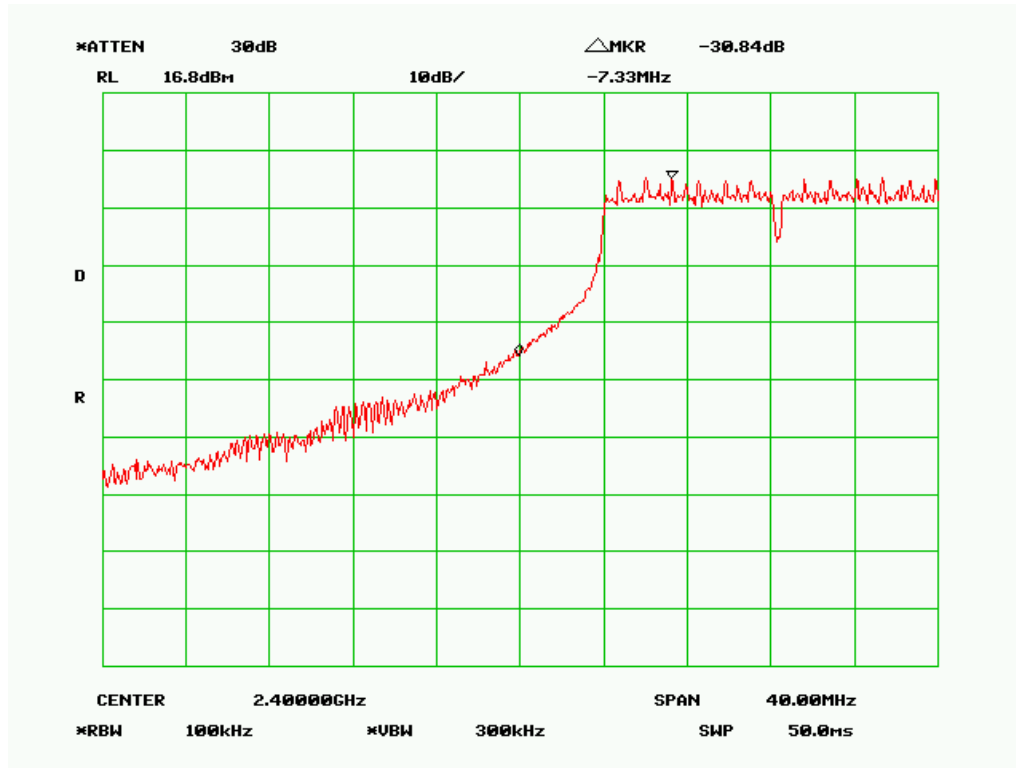


Low Channel

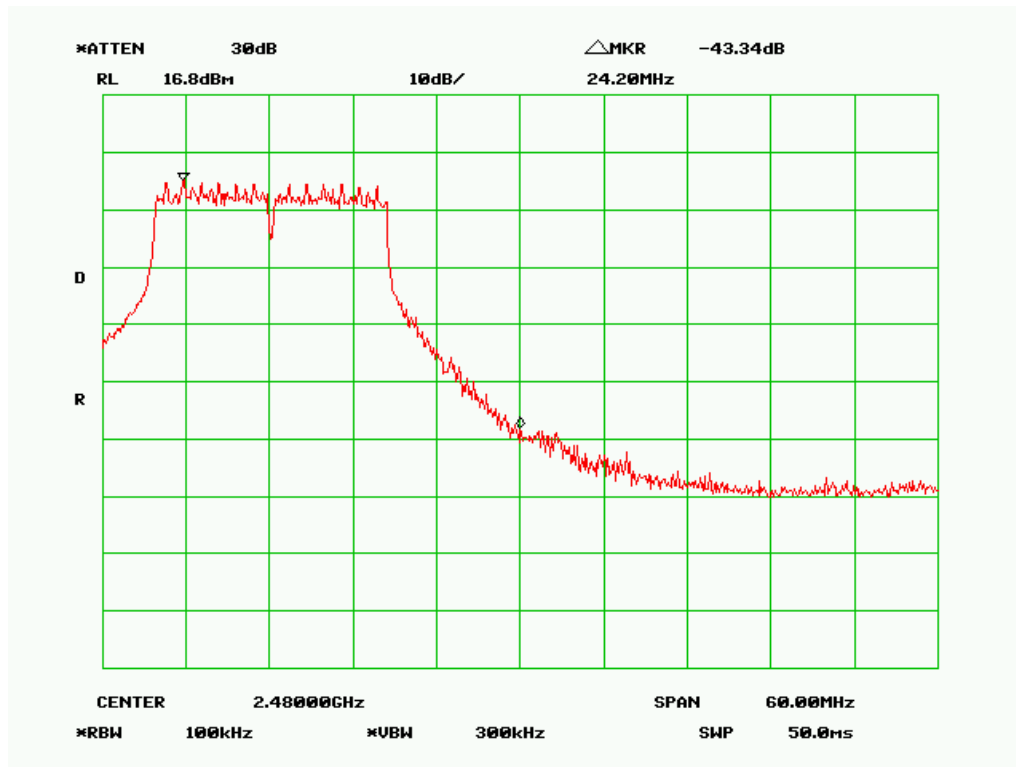


High Channel

Band Edge Plots (802.11g)



Low Channel



High Channel

BandEdge Test Result (802.11b)

Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
2.400	74.47	239.00	132.00	V	27.50	2.91	32.04	72.84	74.00	-1.16	Peak
2.400	52.12	239.00	132.00	V	27.50	2.91	32.04	50.49	54.00	-3.51	Ave
2.400	71.23	138.00	154.00	H	27.50	2.91	32.04	69.60	74.00	-4.40	Peak
2.400	51.29	138.00	154.00	H	27.50	2.91	32.04	49.66	54.00	-4.34	Ave
2.484	55.51	160.00	155.00	V	27.50	2.91	32.04	53.88	74.00	-20.12	Peak
2.484	33.98	160.00	155.00	V	27.50	2.91	32.04	32.35	54.00	-21.65	Ave
2.484	51.21	201.00	100.00	H	27.50	2.91	32.04	49.58	74.00	-24.42	Peak
2.484	30.14	201.00	100.00	H	27.50	2.91	32.04	28.51	54.00	-25.49	Ave

BandEdge Test Result (802.11g)

Frequency (GHz)	Reading (dBuV/m)	Direction (degree)	Height (m)	Polarity (H/V)	Antenna Loss (dB)	Cable Loss (dB)	Amplifier (dB)	Corrected Reading (dBuV/m)	15.247/15.209 Limit @ 3m (dBuV/m)	Margin (dBuV/m)	Detector (pk/avg)
2.400	73.77	239.00	132.00	V	27.50	2.91	32.04	72.14	74.00	-1.86	Peak
2.400	50.96	239.00	132.00	V	27.50	2.91	32.04	49.33	54.00	-4.67	Ave
2.400	71.25	138.00	154.00	H	27.50	2.91	32.04	69.62	74.00	-4.38	Peak
2.400	49.34	138.00	154.00	H	27.50	2.91	32.04	47.71	54.00	-6.29	Ave
2.484	63.93	160.00	155.00	V	27.50	2.91	32.04	62.30	74.00	-11.70	Peak
2.484	40.71	160.00	155.00	V	27.50	2.91	32.04	39.08	54.00	-14.92	Ave
2.484	61.21	201.00	100.00	H	27.50	2.91	32.04	59.58	74.00	-14.42	Peak
2.484	38.49	201.00	100.00	H	27.50	2.91	32.04	36.86	54.00	-17.14	Ave

5.12 Receiver Spurious Emissions

- Conducted Measurement
EUT was set for low , mid, high channel with modulated mode and highest RF output power.
The spectrum analyzer was connected to the antenna terminal.
- Conducted Emissions Measurement Uncertainty
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 40GHz is $\pm 1.5\text{dB}$.
- Environmental Conditions

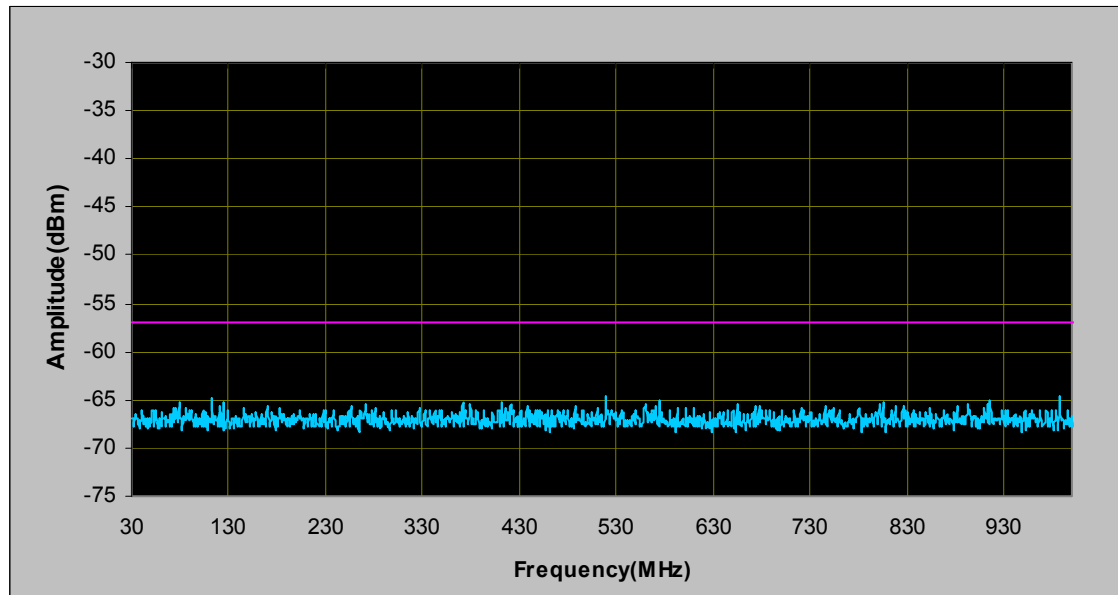
Temperature	23°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
- Test Date : Aug 18-Sep 13 2010
Tested By :David Zhang

Standard Requirement: RSSGen(4.8)

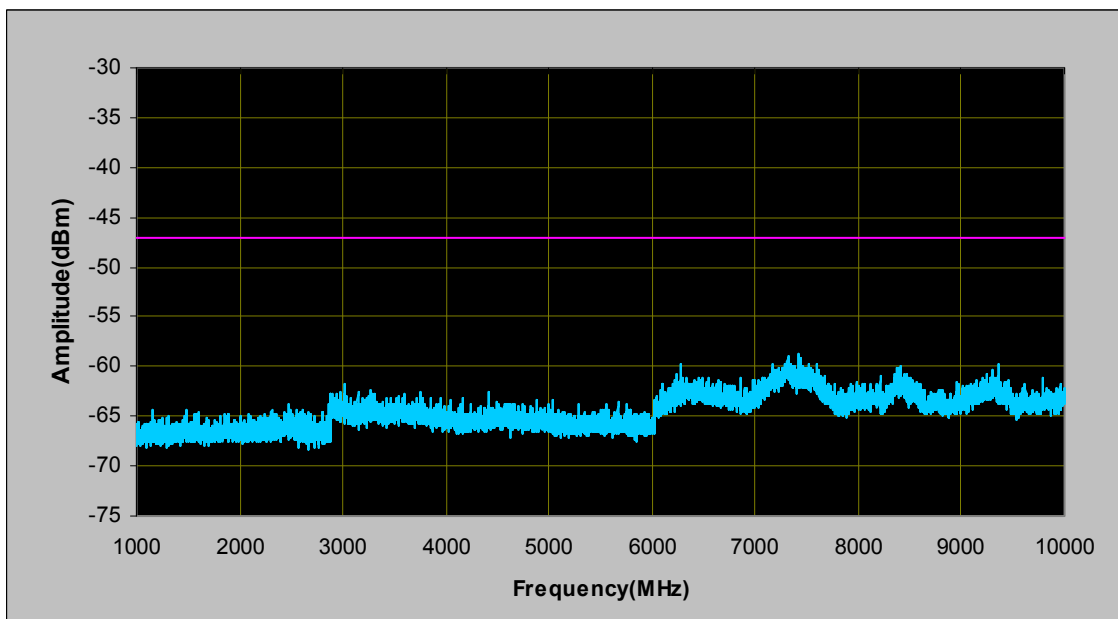
Procedures: The conducted spurious emissions were measured conducted using a spectrum analyzer at mid channels. the search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is the higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is the higher, without exceeding 40 GHz. Receiver spurious emissions at any discrete frequency shall not exceed 2 nanowatts in the band 30-1000 MHz, or 5 nanowatts above 1 GHz.

Test Result: Pass

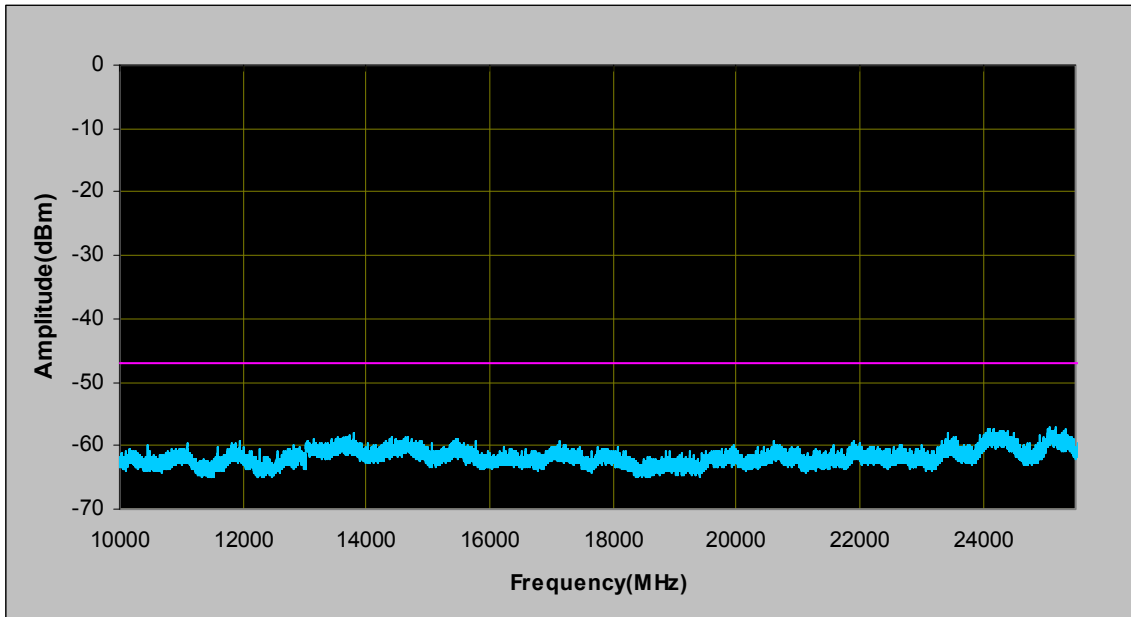
Configuration : 802.11b



Receiver Spurious Emission Plot- 1

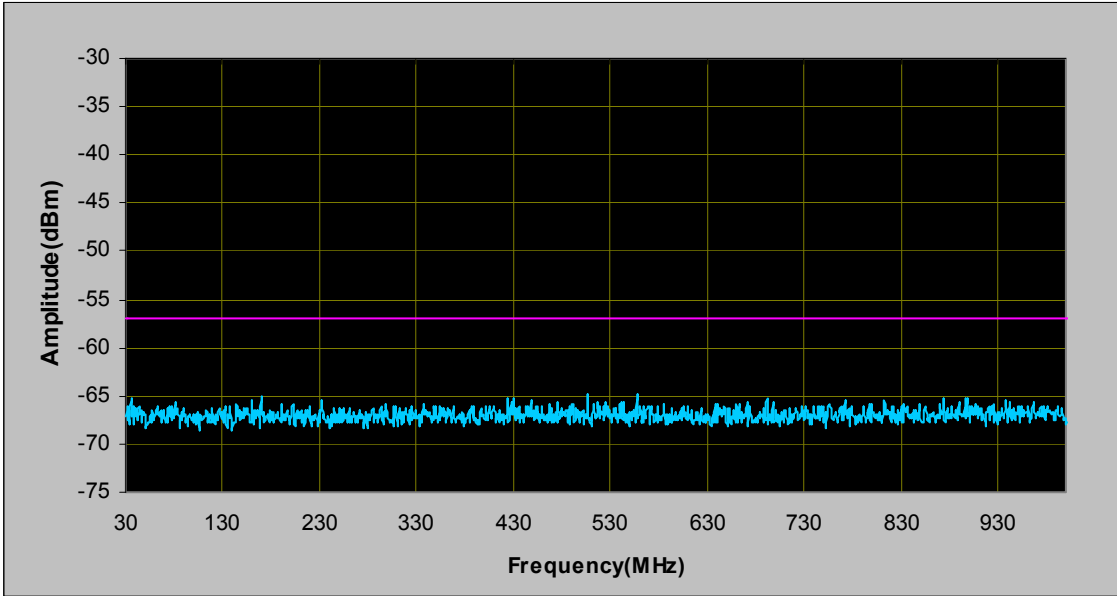


Receiver Spurious Emission Plot- 2

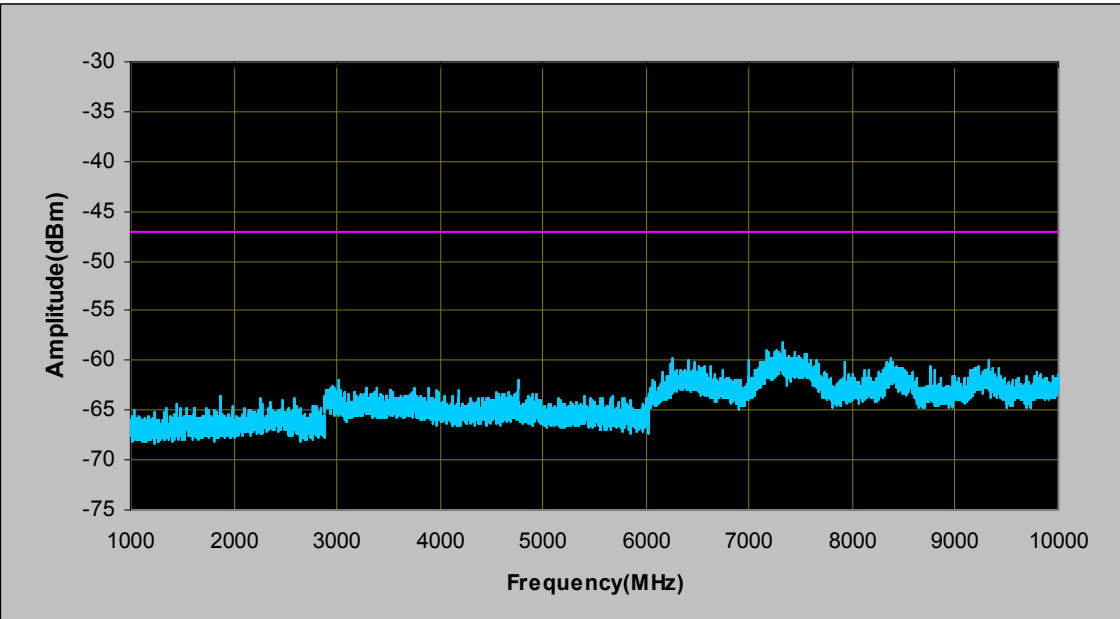


Receiver Spurious Emission Plot- 3

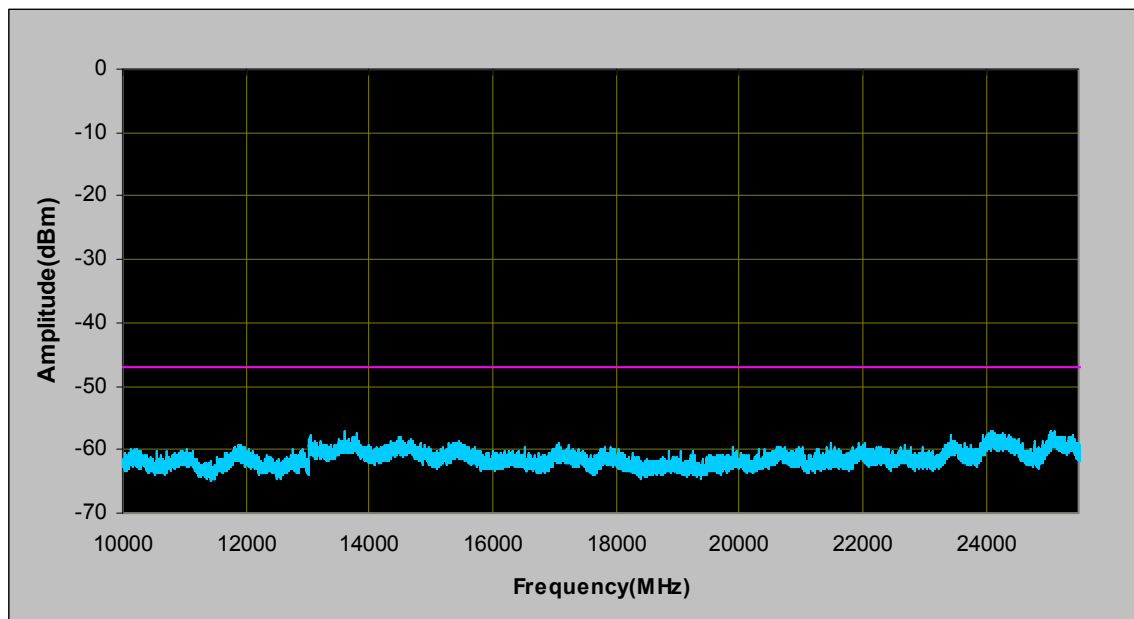
Configuration : 802.11g



Receiver Spurious Emission Plot- 1



Receiver Spurious Emission Plot- 2



Receiver Spurious Emission Plot- 3

Annex A. TEST INSTRUMENT & METHOD

Annex A.i. TEST INSTRUMENTATION & GENERAL PROCEDURES

Instrument	Model	Calibration Due
AC Conducted Emissions		
R&S EMI Test Receiver	ESIB40	05/19/2011
R&S LISN	ESH2-Z5	05/18/2011
CHASE LISN	MN2050B	05/18/2011
Universal Radio Communication Tester	CMU200	02/22/2012
Radiated Emissions		
Spectrum Analyzer	8564E	05/19/2011
EMI Receiver	ESIB 40	05/18/2011
R&S LISN	ESH2-Z5	05/18/2011
CHASE LISN	MN2050B	05/19/2011
Antenna(1 ~18GHz)	3115	6/2/2011
Antenna (30MHz~2GHz)	JB1	6/1/2011
Chamber	3m	12/4/2010
Pre-Amplifier(1 ~ 26GHz)	8449	5/17/2011
Horn Antenna (18~40GHz)	AH-840	7/23/2013
Microwave Pre-Amp (18~40GHz)	PA-840	Every 2000 Hours
Universal Radio Communication Tester	CMU200	02/22/2011
Signal Analyzer	FSIQ7	5/5/2011

Note: Functional Verification

Annex A.ii. CONDUCTED EMISSIONS TEST DESCRIPTION

Test Set-up

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as shown in Annex B.
2. The power supply for the EUT was fed through a 50Ω/50μH EUT LISN, connected to filtered mains.
3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.
4. All other supporting equipments were powered separately from another main supply.

Test Method

1. The EUT was switched on and allowed to warm up to its normal operating condition.
2. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.
3. High peaks, relative to the limit line, were then selected.
4. The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 KHz. For FCC tests, only Quasi-peak measurements were made; while for CISPR/EN tests, both Quasi-peak and Average measurements were made.
5. Steps 2 to 4 were then repeated for the LIVE line (for AC mains) or DC line (for DC power).

Sample Calculation Example

At 20 MHz	limit = 250 μV = 47.96 dBμV
Transducer factor of LISN, pulse limiter & cable loss at 20 MHz = 11.20 dB	
Q-P reading obtained directly from EMI Receiver = 40.00 dBμV	
	(Calibrated for system losses)
Therefore, Q-P margin = 47.96 – 40.00 = 7.96	i.e. 7.96 dB below limit

Annex A. iii RADIATED EMISSIONS TEST DESCRIPTION

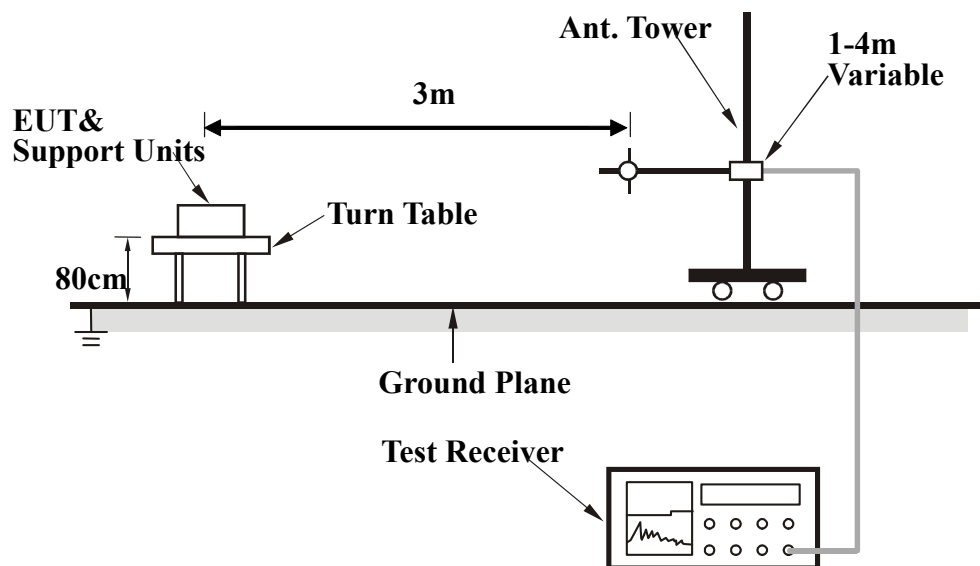
EUT Characterisation

EUT characterisation, over the frequency range from 30MHz to 1GHz (for FCC tests, until the 5th harmonic for operating frequencies \geq 108MHz), was done in order to minimise radiated emissions testing time while still maintaining high confidence in the test results.

The EUT was placed in the chamber, at a height of about 0.8m on a turntable. Its radiated emissions frequency profile was observed, using a spectrum analyzer /receiver with the appropriate broadband antenna placed 3m away from the EUT. Radiated emissions from the EUT were maximised by rotating the turntable manually, changing the antenna polarisation and manipulating the EUT cables while observing the frequency profile on the spectrum analyzer / receiver. Frequency points at which maximum emissions occurred, clock frequencies and operating frequencies were then noted for the formal radiated emissions test at the Open Area Test Site (OATS).

Test Set-up

1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table as shown in Annex B.
2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.



Test Method

The following procedure was performed to determine the maximum emission axis of EUT:

1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

Final Radiated Emission Measurement

1. Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function.
2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.
3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.
4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from 0 ° to 360 ° with a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading.
5. Repeat step 4 until all frequencies need to be measured were complete.
6. Repeat step 5 with search antenna in vertical polarized orientations.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	Peak	100 kHz	100 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Sample Calculation Example

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

$$\text{Peak} = \text{Reading} + \text{Corrected Factor}$$

Where:

Corr. Factor = Antenna Factor + Cable Factor - Amplifier Gain (if any)

And the average value is

$$\text{Average} = \text{Peak Value} + \text{Duty Factor or}$$

$$\text{Set RBW} = 1\text{MHz, VBW} = 10\text{Hz.}$$

Note:

If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.

Annex B EUT AND TEST SETUP PHOTOGRAPHS

Please see the attachment

Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

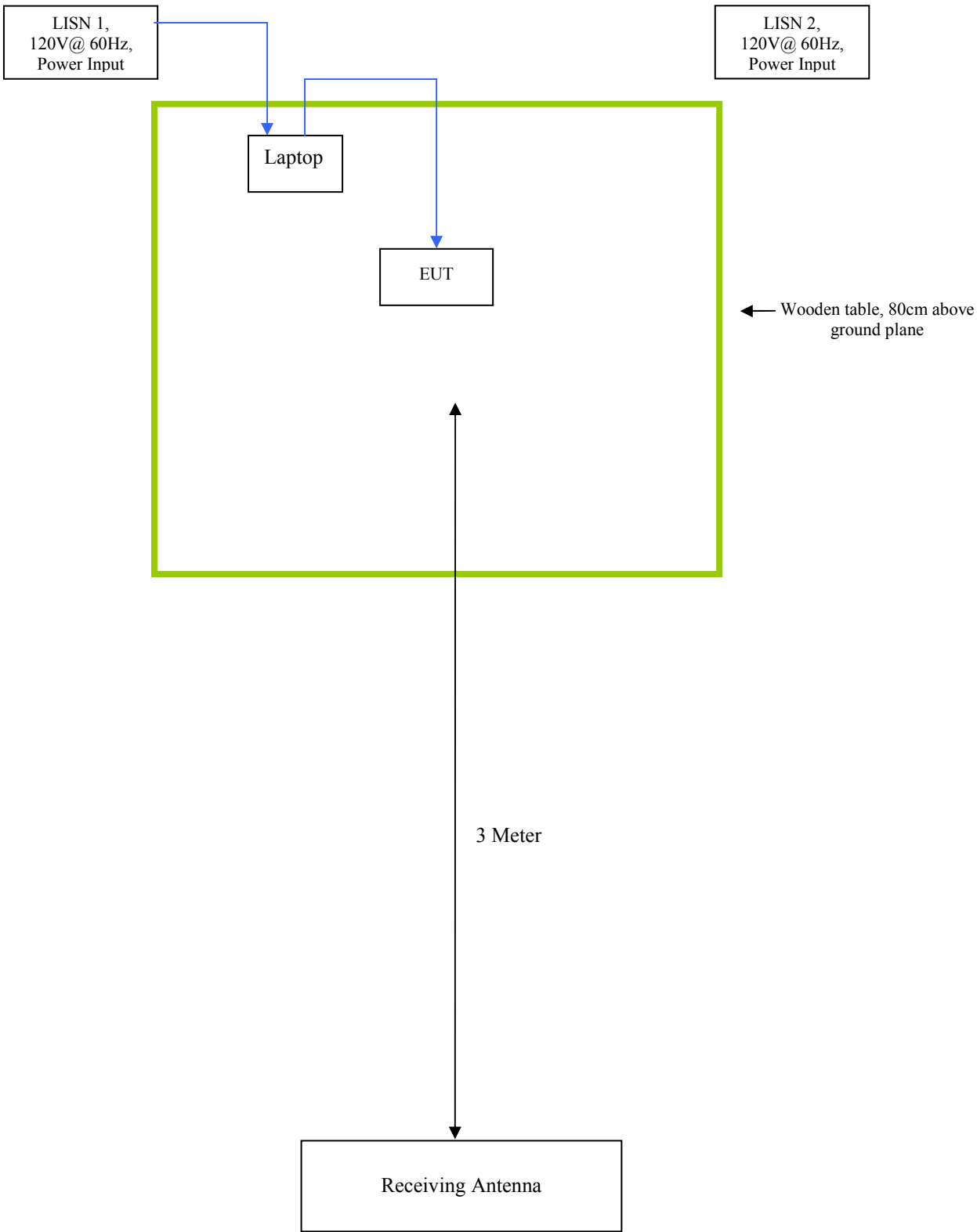
EUT TEST CONDITIONS

Annex C. i. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Equipment Description (Including Brand Name)	Model & Serial Number	Cable Description (List Length, Type & Purpose)
PC Laptop / DELL	Latitude D600	Shielded USB Cable < 1 meter (From PC to EUT)

Block Configuration Diagram for Radiated Emission



Annex C.ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

Test	Description Of Operation
Emissions Testing	The EUT was continuously transmitting controlled via usb connection to PC Laptop using test program.
Others Testing	The EUT was continuously transmitting controlled via usb connection to PC Laptop using test program.

Annex D User Manual, Block Diagram, Circuit Diagram

Please see attachment

Annex E. SIEMIC ACCREDITATION CERTIFICATES

SIEMIC ACCREDITATION DETAILS: A2LA Certificate Number: 2742.01





SIEMIC, INC.

Accessing global markets

Title: RF Test Report of Intermec Technologies Corporation
Model : 1005CP01
To: FCC 15.247.2009 & RSS-210 Issue 7 : 2007

Serial# SL10050603-ICT-001(Captiva)_RF(FCC DSSS)
Issue Date Sep 9th 2010
Page 67 of 82
www.siemic.com

SCOPE OF ACCREDITATION TO ISO/IEC GUIDE 65:1996

SIEMIC INC.
2206 Ringwood Ave.
San Jose, CA 95131

Mr. Snell Leong (Authorized Representative) Phone: 408 526 1188

www.siemic.com

PRODUCT CERTIFICATION CONFORMITY ASSESSMENT BODY (CAB)

Valid to: September 30, 2010

Certificate Number: 2742.02

In recognition of the successful completion of the A2LA Certification Body Accreditation Program evaluation, including the US Federal Communications Commission (FCC), Industry Canada (IC) and Singapore (IDA) requirements for the indicated types of product certifications, accreditation is granted to this organization to perform the following product certification schemes:

Economy

Scope

Federal Communication Commission - (FCC)

Unlicensed Radio Frequency Devices	A1, A2, A3, A4
Licensed Radio Frequency Devices	B1, B2, B3, B4
Telephone Terminal Equipment	C

**Please refer to FCC TCB Program Roles and Responsibilities, v04, released February 14, 2009 detailing scope, roles and responsibilities: <http://www.fcc.gov/petitions/FCC-Overview-TCB-Program.pdf>*

Industry Canada - (IC)

Radio	All Radio Standards Specifications (RSS) in Category I Equipment Standards List Radio
-------	--

**Please refer to Industry Canada (IC) website at: http://www.ic.gc.ca/eic/site/icsmt-gst.nsf/enh_3f01542e.html*

IDA - Singapore

Line Terminal Equipment	All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2008, Annex 2
-------------------------	---

Radio-Communication Equipment	All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2008, Annex 2
-------------------------------	---

**Please refer to Info-Communication Development Authority (IDA) Singapore website at:
http://www.ida.gov.sg/Media/Policies%20and%20Regulations/Policies_and_Regulation_Level2/20080609145118/01R4_RacScheme.pdf*

SIEMIC ACCREDITATION DETAILS: FCC Test Site Registration No. 783147

FEDERAL COMMUNICATIONS COMMISSION

**Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046**

December 20, 2007

Registration Number: 783147

SIEMIC Laboratories
2206 Ringwood Avenue,
San Jose, CA 95131

Attention: Leslie Bai

Re: Measurement facility located at San Jose
3 & 10 meter site
Date of Renewal: December 20, 2007

Dear Sir or Madam:

Your request for renewal of the registration of the subject measurement facility has been received. The information submitted has been placed in your file and the registration has been renewed. The name of your organization will remain on the list of facilities whose measurement data will be accepted in conjunction with applications for Certification under Parts 15 or 18 of the Commission's Rules. Please note that the file must be updated for any changes made to the facility and the registration must be renewed at least every three years.

Measurement facilities that have indicated that they are available to the public to perform measurement services on a fee basis may be found on the FCC website www.fcc.gov under E-Filing, OET Equipment Authorization Electronic Filing, Test Firms.

Sincerely,

Phyllis Parrish
Industry Analyst

SIEMIC ACCREDITATION DETAILS: Industry of Canada CAB ID : US0160



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

March 4, 2009

Mr. Leslie Bai
SIEMIC, Inc.
2206 Ringwood Avenue
San Jose, CA 95131

Dear Mr. Bai:

NIST is pleased to inform you that your laboratory has been recognized by Industry Canada (IC), under the Asia Pacific Economic Cooperation for Telecommunications Equipment Mutual Recognition Arrangement (APEC Tel MRA). Your laboratory is now designated to act as a Conformity Assessment Body (CAB) under Appendix B, **Phase I** Procedures, of the APEC Tel MRA. The pertinent information about your laboratory's designation is as follows:

CAB Name: SIEMIC, Inc.
Physical Location: 2206 Ringwood Avenue, San Jose, CA 95131 USA
Identification No.: US0160
Recognized Scope: CS-03 Part I, II, V, VI, VII and VIII

You may submit test data to IC to verify that the equipment to be imported into Canada satisfies the applicable requirements. The designation of your organization will remain in force as long as its accreditation for the designated scope remains valid and comply with the designation requirements.

Recognized CABs are listed on the NIST website at <http://ts.nist.gov/mra>. Please contact Ms. Ramona Saar at (301) 975-5521 or ramona.saar@nist.gov if you have any questions.

Sincerely,

David F. Alderman
Group Leader, Standards Coordination and Conformity Group
Standards Services Division

Enclosure

cc: CAB Program Manager

NIST

SIEMIC ACCREDITATION DETAILS: Industry of Canada Test Site Registration No. 4842-1

May 27, 2010

OUR FILE: 46405-4842
Submission No: 140856

Siemic Inc.
2206 Ringwood Ave
San Jose, CA, 95131
USA

Attention: Snell Leong

Dear Sir/Madame:

The Bureau has received your application for the renewal of a 3m alternative test site. Be advised that the information received was satisfactory to Industry Canada. The following number(s) is now associated to the site(s) for which registration / renewal was sought (**4842A-1**). Please reference the appropriate site number in the body of test reports containing measurements performed on the site. In addition, please keep for your records the following information;

- Your primary code is: **4842**
- The company number associated to the site(s) located at the above address is: **4842A**

Furthermore, to obtain or renew a unique site number, the applicant shall demonstrate that the site has been accredited to ANSI C63.4-2003 or later. A scope of accreditation indicating the accreditation by a recognized accreditation body to ANSI C63.4-2003 or later shall be accepted. Please indicate in a letter the previous assigned site number if applicable and the type of site (example: 3 metre OATS or 3 metre chamber). If the test facility is not accredited to ANSI C63.4-2003 or later, the test facility shall submit test data demonstrating full compliance with the ANSI standard. The Bureau will evaluate the filing to determine if recognition shall be granted.

The frequency for re-validation of the test site and the information that is required to be filed or retained by the testing party shall comply with the requirements established by the accrediting organization. However, in all cases, test site re-validation shall occur on an interval not to exceed two years. There is no fee or form associated with an OATS filing. OATS submissions are encouraged to be submitted electronically to the Bureau using the following URL;
http://strategis.ic.gc.ca/epic/internet/inceb-bhst.nsf/en/h_tt00052e.html.

If you have any questions, you may contact the Bureau by e-mail at certification.bureau@ic.gc.ca Please reference our file and submission number above for all correspondence.

Yours sincerely,



Dalwinder Gill
For: Wireless Laboratory Manager
Certification and Engineering Bureau
3701 Carling Ave., Building 94
P.O. Box 11490, Station "H"
Ottawa, Ontario K2H 8S2
Email: dalwinder.gill@ic.gc.ca
Tel. No. (613) 998-8363
Fax. No. (613) 990-4752

SIEMIC ACCREDITATION DETAILS: FCC DOC CAB Recognition : US1109

FEDERAL COMMUNICATIONS COMMISSION

**Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046**

August 28, 2008

Siemic Laboratories
2206 Ringwood Ave.,
San Jose, CA 95131

Attention: Leslie Bai

Re: Accreditation of Siemic Laboratories
Designation Number: US1109
Test Firm Registration #: 540430

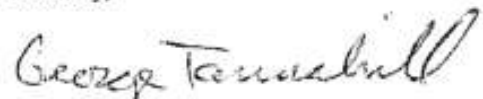
Dear Sir or Madam:

We have been notified by American Association for Laboratory Accreditation that Siemic Laboratories has been accredited as a Conformity Assessment Body (CAB).

At this time Siemic Laboratories is hereby designated to perform compliance testing on equipment subject to Declaration Of Conformity (DOC) and Certification under Parts 15 and 18 of the Commission's Rules.

This designation will expire upon expiration of the accreditation or notification of withdrawal of designation.

Sincerely,



George Tannahill
Electronics Engineer

SIEMIC ACCREDITATION DETAILS: Australia CAB ID : US0160

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

November 20, 2008

Mr. Leslie Bai
SIEMIC, Inc.
2206 Ringwood Avenue
San Jose, CA 95131

Dear Mr. Bai:

NIST is pleased to inform you that your laboratory has been recognized by the Australian Communications and Media Authority (ACMA) under the Asia Pacific Economic Cooperation for Telecommunications Equipment Mutual Recognition Arrangement (APEC Tel MRA). Your laboratory is now designated to act as a Conformity Assessment Body (CAB) under Appendix B, **Phase I** Procedures, of the APEC Tel MRA. The pertinent information about your laboratory's designation is as follows:

CAB Name: Siemic, Inc.
Physical Location: 2206 Ringwood Avenue, San Jose, CA 95131
Identification No.: US0160
Recognized Scope: EMC: AS/NZS 4251.1 (until 5/31/2009), AS/NZS 4251.2 (until 5/31/2009), AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR 22, AS/NZS 61000.6.3, AS/NZS 61000.6.4
Radiocommunications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771
Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06, AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/NZS 60950.1

You may submit test data to ACMA to verify that the equipment to be imported into Australia satisfies the applicable requirements. The designation of your organization will remain in force as long as its accreditation for the designated scope remains valid and comply with the designation requirements. Recognized CABs are listed on the NIST website at <http://ts.nist.gov/mra>. Please contact Ms. Ramona Saar, at (301) 975-5521 or ramona.saar@nist.gov if you have questions.


Sincerely,

David F. Alderman
Group Leader, Standards Coordination and Conformity Group
Standards Services Division

Enclosure

cc: Snell Leong, Siemic, Inc.; Ramona Saar, NIST

SIEMIC ACCREDITATION DETAILS: Korea CAB ID: US0160

	UNITED STATES DEPARTMENT OF COMMERCE National Institute of Standards and Technology Gaithersburg, Maryland 20899
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October 1, 2008

Mr. Leslie Bai
 SIEMIC, Inc.
 2206 Ringwood Avenue
 San Jose, CA 95131

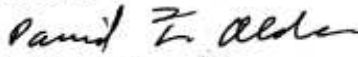
Dear Mr. Bai:

NIST is pleased to inform you that your laboratory has been recognized by the Radio Research Agency (RRA) Korea Communications Commission (KCC) under the Asia Pacific Economic Cooperation for Telecommunications Equipment Mutual Recognition Arrangement (APEC Tel MRA). Your laboratory is now designated to act as a Conformity Assessment Body (CAB) under Appendix B, **Phase I** Procedures, of the APEC Tel MRA. The pertinent information about your laboratory's designation is as follows:

CAB Name:	SIEMIC, Inc.
Physical Location:	2206 Ringwood Avenue, San Jose, CA 95131
Identification No.:	US0160
Recognized Scope:	EMI: KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI EMS: KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN-61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS Wireless: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007-80, RRL Notice 2004-68 Wired: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6 President Notice 20664, RRL Notice 2008-7 with attachment 4

You may submit test data to RRA/KCC to verify that the equipment to be imported into Korea satisfies the applicable requirements. The designation of your organization will remain in force as long as its accreditation for the designated scope remains valid and comply with the designation requirements.

Recognized CABs are listed on the NIST website at <http://ts.nist.gov/mra>. If you have any questions please contact Ramona Saar at (301) 975-5521 or ramona.saar@nist.gov.

Sincerely,

 David F. Alderman
 Group Leader, Standards Coordination and Conformity Group
 Standards Services Division

Enclosure

cc: Ramona Saar

NIST

SIEMIC ACCREDITATION DETAILS: Taiwan BSMI Accreditation No. SL2-IN-E-1130R



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20885

May 3, 2006

Mr. Leslie Bai
SIEMIC Laboratories
2206 Ringwood Avenue
San Jose, CA 95131

Dear Mr. Hall:

I am pleased to inform you that your laboratory has been recognized by the Chinese Taipei's Bureau of Standards, Metrology, and Inspection (BSMI) under the Asia Pacific Economic Cooperation (APEC) Mutual Recognition Arrangement (MRA). Your laboratory is now designated to act as a Conformity Assessment Body (CAB) under Appendix B, **Phase I** Procedures, of the APEC Tel MRA. You may submit test data to BSMI to verify that the equipment to be imported into Chinese Taipei satisfies the applicable requirements. The designation of your organization will remain in force as long as its accreditation for the designated scope remains valid and comply with the designation requirements. The pertinent designation information is as follows:

- BSMI number: **SL2-IN-E-1130R**. (Must be applied to the test reports)
 - U.S. Identification No: **US0160**
 - Scope of Designation: **CNS 13438**
 - Authorized signatory: **Mr. Leslie Bai**

The names of all recognized CABs will be posted on the NIST website at <http://ts.nist.gov/mra>. If you have any questions, please contact Mr. Dhillon at 301-975-5321. We appreciate your continued interest in our international conformity assessment activities.

Sincerely,

David E. Allen

David F. Alderman
Group Leader, Standards Coordination and Conformity Group

Legendre Dhillon

NIST

SIEMIC ACCREDITATION DETAILS: Taiwan NCC CAB ID: US0160



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

November 25, 2008

Mr. Leslie Bai
SIEMIC, Inc.
2206 Ringwood Avenue
San Jose, CA 95131

Dear Mr. Bai:

NIST is pleased to inform you that your laboratory has been recognized by the National Communications Commission (NCC) for the requested scope expansion under the Asia Pacific Economic Cooperation for Telecommunications Equipment Mutual Recognition Arrangement (APEC Tel MRA). Your laboratory is designated to act as a Conformity Assessment Body (CAB) under Appendix B, **Phase I** Procedures, of the APEC Tel MRA. The pertinent information about your laboratory's designation is as follows:

CAB Name: SIEMIC, Inc.
Physical Location: 2206 Ringwood Avenue, San Jose, CA 95131
Identification No.: US0160
Current Scope: LP0002
Additional Scope: PSTN01, ADSL01, ID0002, IS6100 and CNS 14336

You may submit test data to NCC to verify that the equipment to be imported into China satisfies the applicable requirements. The designation of your organization will remain in force as long as its accreditation for the designated scope remains valid and comply with the designation requirements.

Recognized CABs are listed on the NIST website at <http://ts.nist.gov/mra>. If you have any questions please contact Ramona Saar at (301) 975-5521 or ramona.saar@nist.gov.

Sincerely,



David F. Alderman
Group Leader, Standards Coordination and Conformity Group
Standards Services Division

Enclosure

cc: Ramona Saar

NIST

SIEMIC ACCREDITATION DETAILS: Mexico NOM Recognition



CAMARA NACIONAL
DE LA INDUSTRIA
ELECTRONICA, DE
TELECOMUNICACIONES
E INFORMÁTICA

Laboratorio Valentin V. Rivero

México D.F. a 18 de octubre de 2008.

**LESLIE BAI
DIRECTOR OF CERTIFICATION
SIEMIC LABORATORIES, INC.
ACCESSING GLOBAL MARKETS
P R E S E N T E**

En contestación a su escrito de fecha 5 de septiembre del año en curso, le comento que estamos muy interesados en su intención de firmar un Acuerdo de Reconocimiento Mutuo, para lo cual adjunto a este escrito encontrara el Acuerdo en idioma inglés y español prellenado de los cuales le pido sea revisado y en su caso corregido, para que si está de acuerdo poder firmarlo para mandarlo con las autoridades Mexicanas para su visto bueno y así poder ejercer dicho acuerdo.

Aprovecho este escrito para mencionarle que nuestro intermediario gestor será la empresa Isotel de México, S. A. de C. V., empresa que ha colaborado durante mucho tiempo con nosotros en lo relacionado a la evaluación de la conformidad y que cuenta con amplia experiencia en la gestión de la certificación de cumplimiento con Normas Oficiales Mexicanas de producto en México.

Me despido de usted enviándole un cordial saludo y esperando sus comentarios al Acuerdo que nos ocupa.

Atentamente:



**Ing. Faustino Gómez González
Gerente Técnico del Laboratorio de
CANIETI**

Ciudad de México
 Calle de la Industria
 1000 México, D.F.
 Tel. 5206-0008 con 12 líneas
 Fax 5204-0942
 www.canieti.org

SIEMIC ACCREDITATION DETAILS: Hong Kong OFTA CAB ID : US0160



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-

December 8, 2008

Mr. Leslie Bai
SIEMIC, Inc.
2206 Ringwood Avenue
San Jose, CA 95131

Dear Mr. Bai:

NIST is pleased to inform you that your laboratory has been recognized by the Office of the Telecommunications Authority (OFTA) under the Asia Pacific Economic Cooperation for Telecommunications Equipment Mutual Recognition Arrangement (APEC Tel MRA). Your laboratory is now designated to act as a Conformity Assessment Body (CAB) under Appendix B, **Phase I** Procedures, of the APEC Tel MRA. The pertinent information about your laboratory's designation is as follows:

CAB Name: SIEMIC, Inc.
Physical Location: 2206 Ringwood Avenue, San Jose, California 95131 USA
Identification No.: US0160
Recognized Scope: **Radio:** HKTA 1002, 1007, 1008, 1010, 1015, 1016, 1020, 1022, 1026, 1027, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1039, 1041, 1042, 1043, 1044, 1046, 1047, 1048, 1049, 1051
Telecom: HKTA 2011, 2012, 2013, 2014, 2017, 2018, 2022, 2024, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033

You may submit test data to OFTA to verify that the equipment to be imported into Hong Kong satisfies the applicable requirements. The designation of your organization will remain in force as long as its accreditation for the designated scope remains valid and comply with the designation requirements.

Recognized CABs are listed on the NIST website at <http://ts.nist.gov/mra>. If you have any questions please contact Ramona Saar at (301) 975-5521 or ramona.saar@nist.gov.

Sincerely,

David F. Alderman
Group Leader, Standards Coordination and Conformity Group
Standards Services Division

Enclosure

cc: Ramona Saar

NIST

SIEMIC ACCREDITATION DETAILS: Australia ACMA CAB ID: US0160

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-

November 20, 2008

Mr. Leslie Bai
SIEMIC, Inc.
2206 Ringwood Avenue
San Jose, CA 95131

Dear Mr. Bai:

NIST is pleased to inform you that your laboratory has been recognized by the Australian Communications and Media Authority (ACMA) under the Asia Pacific Economic Cooperation for Telecommunications Equipment Mutual Recognition Arrangement (APEC Tel MRA). Your laboratory is now designated to act as a Conformity Assessment Body (CAB) under Appendix B, **Phase I** Procedures, of the APEC Tel MRA. The pertinent information about your laboratory's designation is as follows:

CAB Name: Siemic, Inc.
Physical Location: 2206 Ringwood Avenue, San Jose, CA 95131
Identification No.: US0160
Recognized Scope: EMC: AS/NZS 4251.1 (until 5/31/2009), AS/NZS 4251.2 (until 5/31/2009), AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR 22, AS/NZS 61000.6.3, AS/NZS 61000.6.4
Radiocommunications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771
Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06, AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/NZS 60950.1

You may submit test data to ACMA to verify that the equipment to be imported into Australia satisfies the applicable requirements. The designation of your organization will remain in force as long as its accreditation for the designated scope remains valid and comply with the designation requirements. Recognized CABs are listed on the NIST website at <http://ts.nist.gov/mra>. Please contact Ms. Ramona Saar, at (301) 975-5521 or ramona.saar@nist.gov if you have questions.

Sincerely,

David F. Alderman
Group Leader, Standards Coordination and Conformity Group
Standards Services Division

Enclosure

cc: Snell Leong, Siemic, Inc.; Ramona Saar, NIST

SIEMIC ACCREDITATION DETAILS: Australia NATA Recognition



Leslie Bai
SIEMIC, Inc.
2206 Ringwood Avenue
San Jose, CA 95131

November 4, 2008

Under Australian government legislation, the Australian Communications and Media Authority (ACMA) has determined the National Association of Testing Authorities, Australia (NATA) as an accreditation body as per Section 409(1) of the Telecommunications Act 1997 (Cth). Pursuant to Section 409(2) of the Telecommunications Act 1997 (Cth), I am pleased to advise that your laboratory has been determined as a Recognised Testing Authority (RTA).

This determination has been made on the basis of your accreditation by A2LA accreditation no. 2742.01 and the Mutual Recognition Agreement between NATA and A2LA. It is effective from 11 July 2008. RTA status applies only to the following standards and is contingent upon their continued inclusion in your laboratory's scope of accreditation.

**AS/ACIF S002, AS/ACIF S003, AS/ACIF S004,
AS/ACIF S006, AS/ACIF S016, AS/ACIF S031,
AS/ACIF S038, AS/ACIF S041 and
AS/ACIF S043.2**

As an RTA, your laboratory has the following obligations.

1. the laboratory shall continue to meet all of the accreditation criteria of A2LA;
2. the authorised representative of the laboratory shall notify NATA of changes to the staff or operations of the laboratory which would affect the performance of the tests for which the laboratory has been determined;
3. compliance of equipment shall be reported on test reports bearing the A2LA logo/endorsement.

Current information on the Australian Communications and Media Authority and regulatory requirements for telecommunications products within Australia can be obtained from the ACMA's web-site at "<http://www.acma.gov.au>". Further information about NATA may be gained by visiting "<http://www.nata.asn.au>".

Please note that AS/ACIF S040 and New Zealand standards do not form part of the RTA scheme.

Your RTA listing will appear on the NATA website shortly.

Kind Regards

Chris Norton,
Senior Scientific Officer
Measurement Science and Technology
National Association of Testing Authorities (NATA)
71-73 Flemington Road
North Melbourne Vic 3051
Australia
Ph: +61 3 9329 1633 Fx: +61 3 9326 5148
E-Mail: Christopher.Norton@nata.asn.au
Internet: www.nata.asn.au



SIEMIC, Inc.

Accessing global markets

Title: RF Test Report of Intermec Technologies Corporation
Model : 1005CP01
To FCC 15.247:2009 & RSS-210 Issue 7 : 2007

Serial# SL10050603-ICT-001(Captiva)_RF(FCC DSSS)
Issue Date Sep 9th 2010
Page 80 of 82
www.siemic.com

SIEMIC ACCREDITATION DETAILS: VCCI Radiated Test Site Registration No. R-3083



VCCI Council

CERTIFICATE

Company: SIEMIC Inc.

<Member No. 3081 >

Facility: SIEMIC Inc.

(Radiation 3 meter site)

Location of Facility:

2206 Ringwood Avenue, San Jose, CA 95131 USA

*This is to certify that the following measuring facility
has been registered in accordance with the Rules
for Voluntary Control Measures*

Registration No.: R-3083

Date of Registration: June 12 , 2009

This Certificate is valid until September 30 , 2010

VCCI Council



SIEMIC ACCREDITATION DETAILS: VCCI Conducted (Main Port) Test Site Registration No. C-3421



VCCI Council

CERTIFICATE

Company: SIEMIC Inc.

<Member No. 3081 >

Facility: SIEMIC Inc.

(Main Ports Conducted Interference Measurement)

Location of Facility:

2206 Ringwood Avenue, San Jose, CA 95131 USA

*This is to certify that the following measuring facility
has been registered in accordance with the Rules
for Voluntary Control Measures*

Registration No.: C-3421

Date of Registration: June 12, 2009

This Certificate is valid until September 30 , 2010

VCCI Council



SIEMIC ACCREDITATION DETAILS: VCCI Conducted (Telecom Port) Test Site Registration No. T-1597

	 VCCI Council
<h1>CERTIFICATE</h1>	
Company: SIEMIC Inc.	
<Member No. 3081 >	
Facility: SIEMIC Inc.	
(Telecommunication Ports Conducted Interference Measurement)	
Location of Facility:	
2206 Ringwood Avenue, San Jose, CA 95131 USA	
<i>This is to certify that the following measuring facility has been registered in accordance with the Rules for Voluntary Control Measures</i>	
Registration No.: T-1597	
Date of Registration: June 12 , 2009	
This Certificate is valid until September 30 , 2010	
	 VCCI Council 