A Test Lab Techno Corp.

No.140-1, Chang-an St., Bade City, Tao-Yuan County 334, Taiwan (R.O.C.)
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Part 15 C Measurement Report

Report No.	：	**0907FR14**
Applicant	：	**Dell Inc.**
Trade Mark	：	**Dell**
Product Model	：	**V02B**
Product Type	：	**GSM/GPRS/UMTS Mobile Phone**
FCC ID	：	**E2KV02B001**
Dates of Test	：	**Jul. 14 ~ Jul. 15, 2009**
Test Specification	：	**Part 15 Subpart C (15.247)** **PUBLIC NOTICE :DA 00-705 Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems**
Location of Test Lab.	：	**Chang-an Lab.**

1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
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4. This document may be altered or revised by A Test Lab Techno. Corp. personnel only, and shall be noted in the revision section of the document.

Kevin Wang **20090721**
Approve Signer

John Cheng **20090721**
Testing Engineer

CERTIFICATION

We hereby verify that:

The test data, data evaluation, test procedures and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4:2003. All test were conducted by *A Test Lab Techno Corp. No.140-1, Chang-an St., Bade City, Tao-Yuan County 334, Taiwan (R.O.C.)* Also, we attest to the accuracy of each.

We further submit that the energy emitted by the sample EUT tested as described in the report is in compliance with Class B radiated and conducted emission limit of FCC Rules Part 15 Subpart C (15.247).

EUT	:	**GSM/GPRS/UMTS Mobile Phone**
Applicant	:	**Dell Inc.**
		909 Hermosa Court, Sunnyvale, CA, 94085-4103 USA
Manufacturer	:	**Foxconn Precision Electronics(Tai Yuan) Co., Ltd.**
		No.1 Longfei Street, Economic-Technology Development Zone, Taiyuan City Shanxi Province, China 030032
Model No	:	**V02B**
FCC ID	:	**E2KV02B001**

Approved by : **Kevin Wang 2009/07/21** ***Prepared by :*** **John Cheng 2009/07/21**

A Test Lab Techno Corp.

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Contents

1. General 4
2. Conducted Emissions Requirements 7
3. Radiated Emissions Requirements 11
4. Maximum Conducted Output Power Requirements 45
5. Minimum 6dB RF Bandwidth Requirements 47
6. Maximum Power Density Requirements 52
7. Out of Band Conducted Emissions Requirements 57
8. Band Edges Requirements 66
9. Antenna Requirements 77

1. General

1.1 Description of Equipment under Test (EUT)

Applicant	:	Dell Inc.
Applicant Address	:	909 Hermosa Court, Sunnyvale, CA, 94085-4103 USA
Manufacturer	:	Foxconn Precision Electronics(Tai Yuan) Co., Ltd.
Manufacturer Address	:	No.1 Longfei Street, Economic-Technology Development Zone, Taiyuan City Shanxi Province, China 030032
Product Type	:	GSM/GPRS/UMTS Mobile Phone
Trade Name	:	Dell
Model Name	:	V02B
FCC ID	:	E2KV02B001
Type of Modulation	:	IEEE 802.11b:DSSS(CCK, DQPSK, DBPSK) IEEE 802.11g:DSSS(CCK, DQPSK, DBPSK),OFDM(QPSK, BPSK, 16-QAM, 64-QAM)
Frequency Band	:	Wi-Fi 802.11b / 802.11g
Operating Frequency	:	2412 - 2462 MHz
Frequency of Channel	:	11 CH
Power Rating	:	AC Adapter, KSUFB0500100W1UV-1 Input: 100-240V, 50/60Hz, 0.15A Output: 5.0V, 1.0A
Hardware Ver.	:	EPR3.12
Software Ver.	:	0905260350-FBW1.3-BLAZE-ox_19563557054504730325094l9
Type of Antenna	:	Fixed Internal Type
Antenna Gain	:	-4.5 dBi
RF Output Power	:	0.099 W (19.94 dBm)

During testing the EUT was operated at Tx or Rx mode for each emission measured. This was done in order to ensure that maximum emission levels were attained.

1.2 Introduction

The following measurement report is submitted on behalf of **Dell Inc.** In support of a Class B Digital Device certification in accordance with Part2 Subpart J and Part 15 Subpart A and B&C of the Commission's and Regulations.

1.3 Summary of Tests

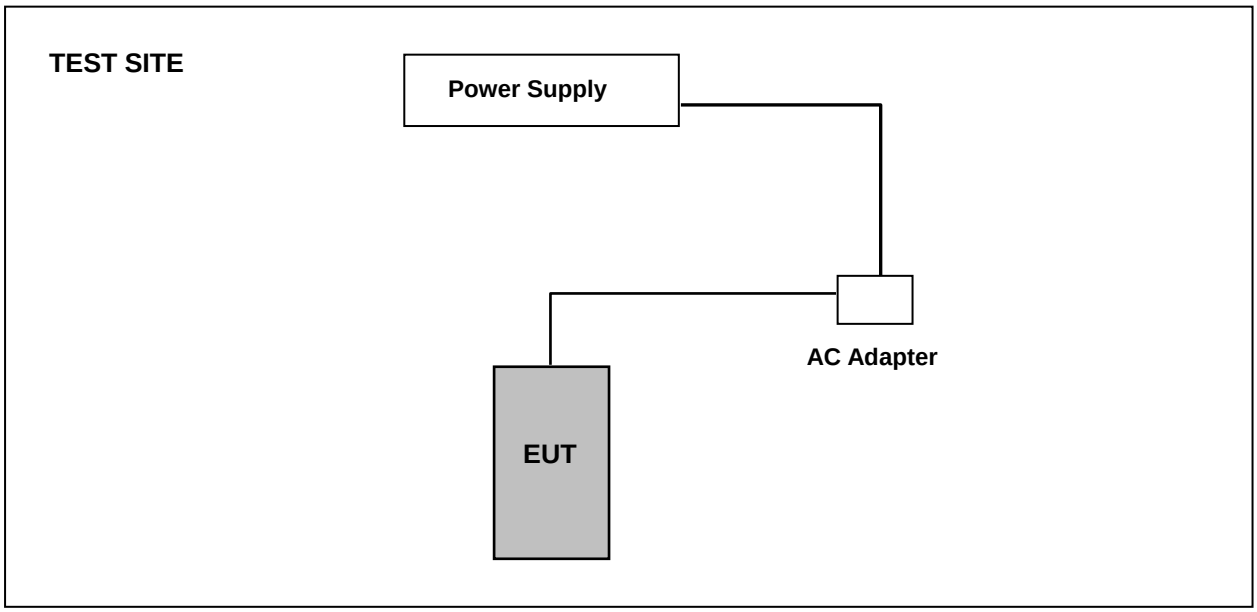
47 CFR Part 15 Subpart C			
Reference	**Test**	**Results**	**Note**
15.107	**AC Power Conducted Emission**	**PASS**	
15.247(c)	**Transmitter Radiated Emissions**	**PASS**	
15.247(b)	**Max. Output Power**	**PASS**	
15.247(a)(2)	**6dB RF Bandwidth**	**PASS**	
15.247(d)	**Max. Power Density**	**PASS**	
15.247(c)	**Out of Band Conducted Spurious Emission**	**PASS**	
15.247(c)	**Band Edge Measurement**	**PASS**	
15.203	**Antenna Requirement**	**PASS**	

1.4 Description of Support Equipment

Describe	Manufacturer	Model	Serial No.	FCC ID
Computer	DELL	PP49L	UF230 A03	E2KWM3945ABC
Keyboard	DELL	SK-8115	MY-0DJ325-71619-7113-1366	FCC DOC
Monitor	DELL	E177FPc	CN-0FJ179-64180-6BT-4LYS	FCC DOC
Mouse	DELL	M056U0A	F1F026E1	FCC DOC
Printer	EPSON	C60	DR3K041323	FCC DOC

1.5 Configuration of System under Test

During EMI testing the EUT's Power port was connected to AC Adapter.



1.6 Test Procedure

All measurements contained in this report were performed according to the techniques described in Measurement procedure ANSI C63.4-2003 "Measurement of un-Intentional Radiators."

1.7 General Test Condition

The conditions under which the EUT operates were varied to determine their effect on the equipment's emission characteristics. The final configuration of the test system and the mode of operation used during these tests were chosen as that which produced the highest emission levels. However, only those conditions which the EUT was considered likely to encounter in normal use were investigated. The system's radiated and conducted emissions were investigated while the computer alternately transferred data to the EUT as well as to the monitor and printer. Using a test program which sent a continuous data and transferred data to and from the EUT was proven to worst case emissions. The system's physical layout and cabling was randomly arranged to ensure that maximum emission levels were attained.

1.8 Test Modes

Preliminary tests were performed in different data rate to find the worst case. The data rate shown in the table below is the worst-case rate (Blue color). Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

802.11b		
Channel	**Data Rate (Mbps)**	**Peak Power (dBm)**
1	**1**	16.24
6		16.97
11		**17.45**
1	11	15.96
6		15.82
11		15.48
Wi-Fi 802.11b output power worst is 1 of data rate.		

802.11g		
Channel	**Data Rate (Mbps)**	**Peak Power (dBm)**
1	**6**	**19.80**
6		19.41
11		19.94
1	54	19.94
6		17.69
11		17.87
Wi-Fi 802.11g output power worst is 6 of data rate.		

2. Conducted Emissions Requirements

2.1 General & Setup

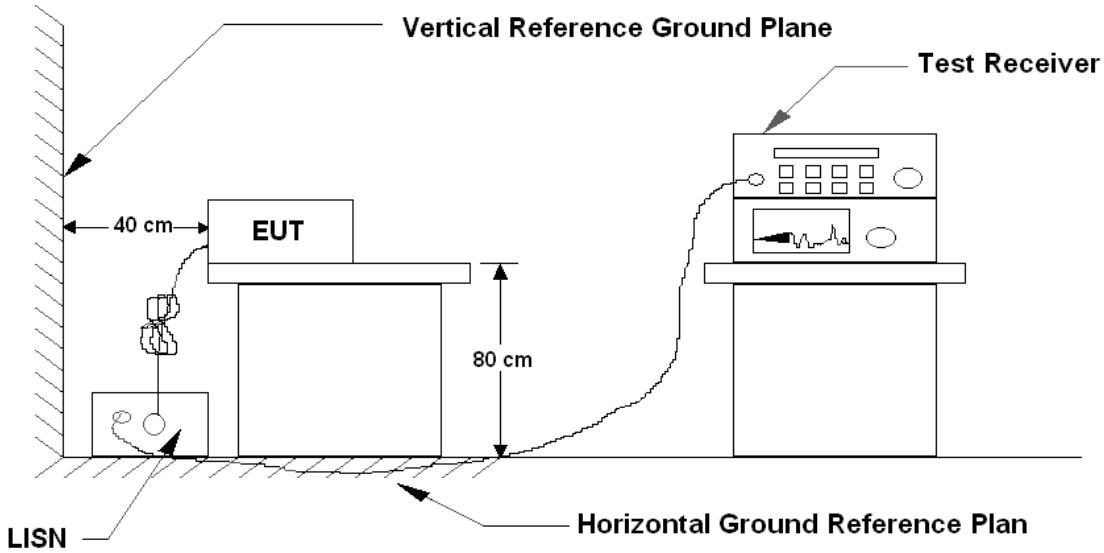
The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The power line conducted emission measurements were performed in a shielded enclosure. The EUT was assembled on a wooden table which is 80 centimeters high, was placed 40 centimeters from the back wall and at least 1 meter from the sidewall.

Power was fed to the EUT from the public utility power grid through a line filter and EMCO Model 3162/2 SH Line Impedance Stabilization Networks (LISN). The LISN housing, measuring instrumentation case, ground plane, etc., were electrically bonded together at the same RF potential. The Spectrum analyzer was connected to the AC line through an isolation transformer. The 50-ohm output of the LISN was connected to the spectrum analyzer directly. Conducted emission levels were in the CISPR quasi-peak detection mode. The analyzer's 6 dB bandwidth was set to 9 KHz. No post-detector video filter was used.

The spectrum was scanned from 150 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies were observed. The highest emission amplitudes relative to the appropriate limit were measured and have been recorded in paragraph 2.6.

2.2 Test Configuration



2.3 Test Equipment List

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Advantest	R3132	160300103	Mar. 10, 2009	Mar. 10, 2010
Test Receiver	R&S	ESCI	100367	Jun. 05, 2009	Jun. 05, 2010
LISN	EMCO	3816/2 SH	00060110	Jun. 05, 2009	Jun. 05, 2010
LISN	EMCO	3816/2 SH	00060111	Jun. 29, 2009	Jun. 29, 2010
Transient Limiter	ELECTRO-METRICS	EM-7600	777	Sep. 22, 2008	Sep. 22, 2009

2.4 Test condition

EUT tested in accordance with the specifications given by the Manufacturer, and exercised in the most unfavorable manner.

2.5 Conducted Emissions Limits

Frequency range (MHz)	Limits (dBuV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.0	56	46
5.0 to 30	60	50

2.6 Test Results

Applicant : Dell Inc.

Model No : V02B

EUT : GSM/GPRS/UMTS Mobile Phone

Test Mode : Wi-Fi Link Mode

Test Date : 07/15/2009

Please refer to next page of detail testing data.

Notes: 1. L1: One end & Ground L2: The other end & Ground

2. Height of table on which the EUT was placed: 0.8 m.

3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.

4. The above test results are obtained under the normal condition.

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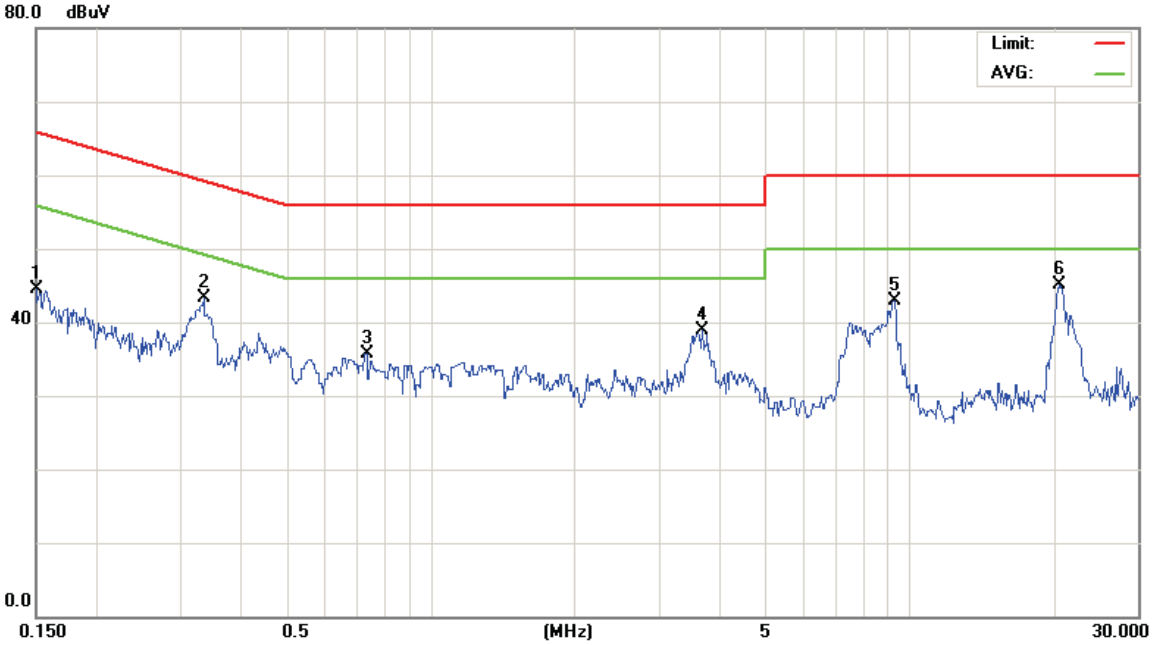


Site site#1 Phase: *L1* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT:

M/N: 09-0187-E

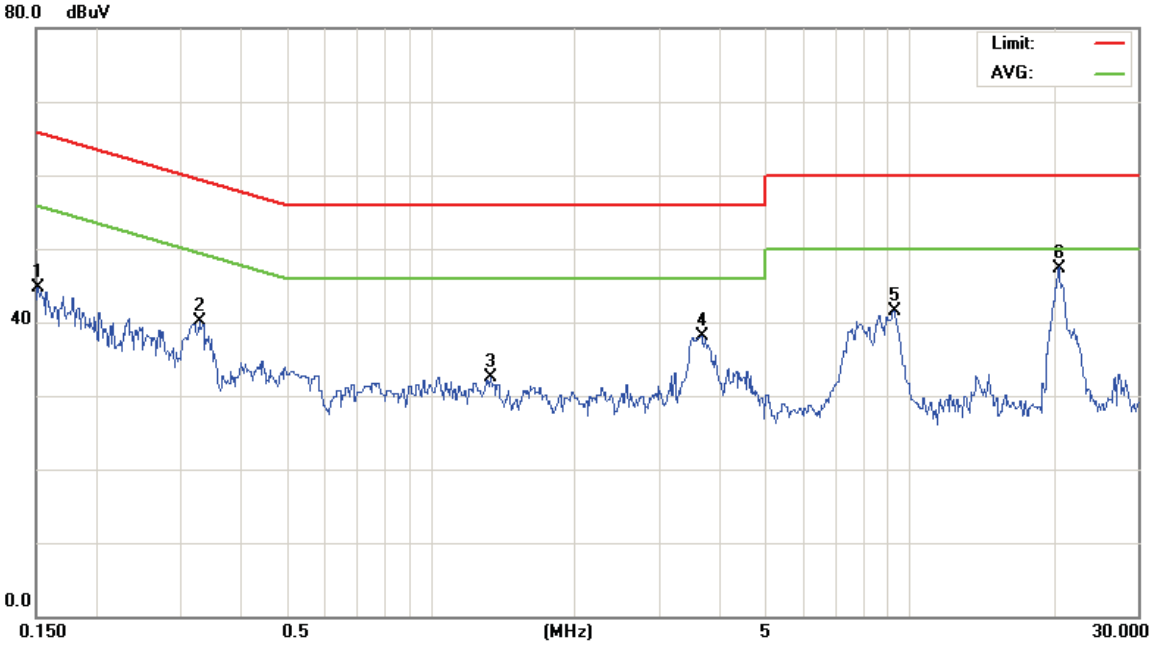
Mode: WIFI

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	34.84	9.73	44.57	65.99	-21.42	peak	
2		0.3348	33.53	9.78	43.31	59.33	-16.02	peak	
3		0.7340	25.82	9.80	35.62	56.00	-20.38	peak	
4		3.6860	28.92	9.94	38.86	56.00	-17.14	peak	
5		9.3000	32.79	10.08	42.87	60.00	-17.13	peak	
6	*	20.5500	34.71	10.45	45.16	60.00	-14.84	peak	

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(WIFI) Data :#2 Date: 2009/7/15 Time: 下午 09:19:47



Site site#1 Phase: *L2* Temperature: 26 ℃

Limit: CISPR22 Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 55 %

EUT:

M/N: 09-0187-E

Mode: WIFI

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1514	35.05	9.73	44.78	65.92	-21.14	peak	
2		0.3277	30.39	9.77	40.16	59.51	-19.35	peak	
3		1.3370	22.72	9.82	32.54	56.00	-23.46	peak	
4		3.6680	28.20	9.93	38.13	56.00	-17.87	peak	
5		9.3000	31.38	10.08	41.46	60.00	-18.54	peak	
6	*	20.4000	37.02	10.38	47.40	60.00	-12.60	peak	

*:Maximum data x:Over limit !:over margin ●Reference Only

3. Radiated Emissions Requirements

3.1 Final radiation measurements were made on a three-meter

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 30 MHz to 26.5 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna (mode VULB9163) at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna (model BBHA9120D&9170) was used in frequencies 1 – 26.5 GHz at a distance of 1 meter. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20dB/decade).

For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

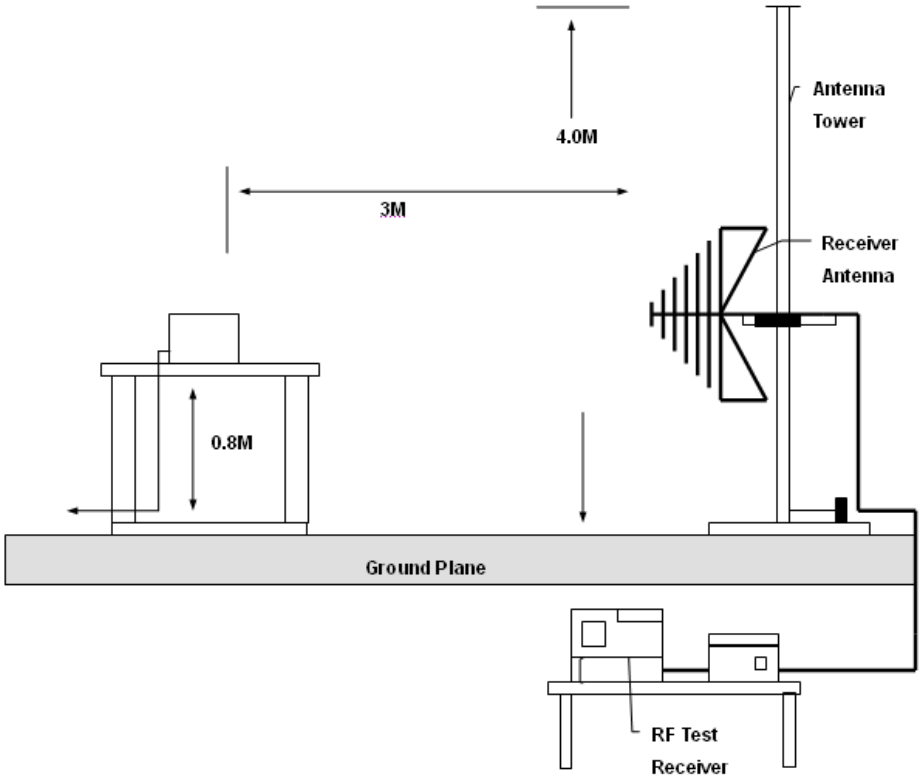
(a) For fundamental frequency :

Transmitter Output < +30dBm

(b) For spurious frequency :

Spurious emission limits = fundamental emission limit /10

3.2 Test Configuration



3.3 Test Equipment List

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4408B	MY46181421	Mar. 13, 2009	Mar. 13, 2010
Pre Amplifier	Agilent	8449B	3008A02457	Mar. 04, 2009	Mar. 04, 2010
Pre Amplifier	Agilent	8447D	2944A10961	Jun. 30, 2009	Jun. 30, 2010
Test Receiver	R&S	ESCI	100367	Jun. 05, 2009	Jun. 05, 2010
Biconilog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	Jun. 26, 2009	Jun. 26, 2010
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	Jul. 01, 2009	Jul. 01, 2010
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	Jun. 30, 2009	Jun. 30, 2010

3.4 Test condition

EUT tested in accordance with the specifications given by the manufacturer, and exercised in the most unfavorable manner.

3.5 Radiated Emissions Limits

Frequency range (MHz)	Peak(dBuV)
30 to 88	**40**
88 to 216	**43.5**
216 to 960	**46**
Above 960	**54**

3.6 Test Results

Applicant : Dell Inc.

Model No : V02B

EUT : GSM/GPRS/UMTS Mobile Phone

Test Mode : Wi-Fi Link Mode (below 1 GHz)

Test Date : 07/15/2009

Please refer to next page of detail testing data.

Notes:
1. Margin= Amplitude - Limits
2. Distance of Measurement: 3 Meter (30-1000MHz) & (1-10GHz), 1 Meter (10-26.5GHz)
3. Height of table for EUT placed: 0.8 Meter.
4. ANT= Antenna height.
5. Amplitude= Reading Amplitude – Amplifier gain + Cable loss + Antenna factor (Auto calculate in spectrum analyzer)
6. The EUT was worst case on X axis after pretest on X & Y & Z axis setting.
7. The testing data only show below 18GHz's data because measure data above 18GHz was only ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested

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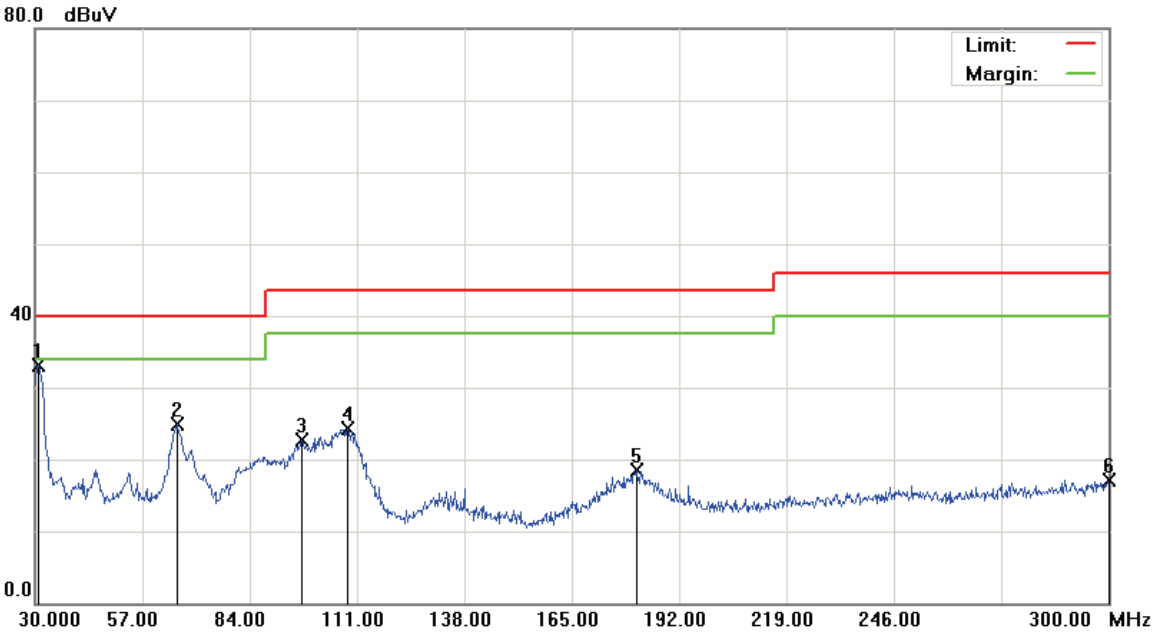


Site
Limit: FCC Class B 3M Radiation
EUT:
M/N: 09-0187-E
Mode: WIFI
Note:

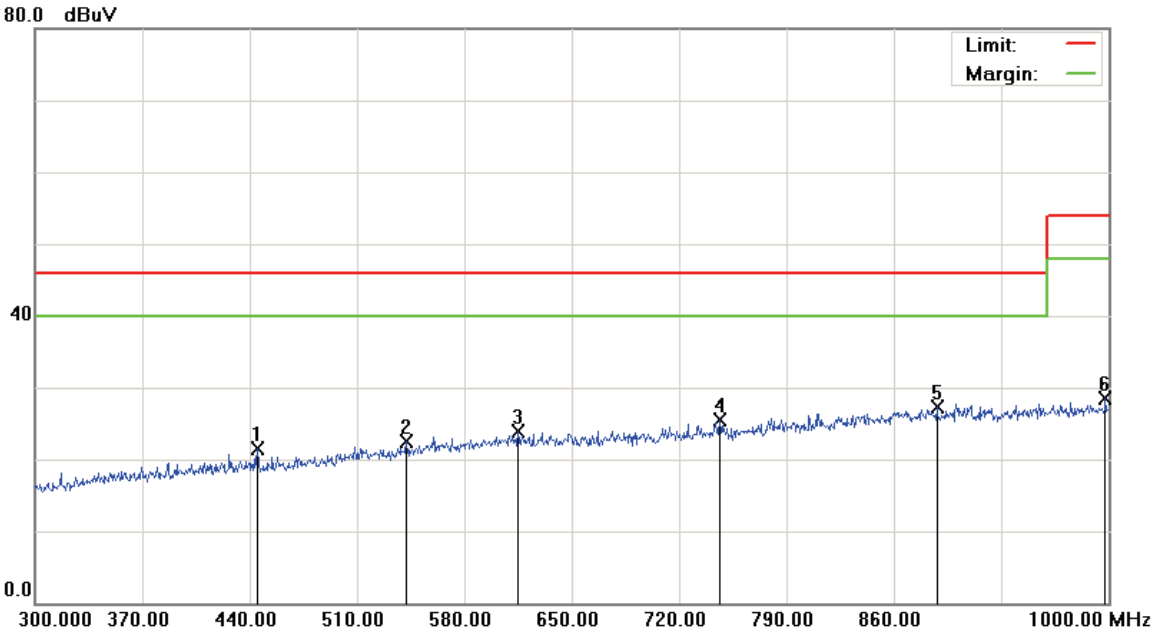
Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	30.8100	46.33	-13.30	33.03	40.00	-6.97	peak			
2		65.6400	39.57	-14.63	24.94	40.00	-15.06	peak			
3		97.2300	34.54	-11.92	22.62	43.50	-20.88	peak			
4		108.5700	36.79	-12.39	24.40	43.50	-19.10	peak			
5		181.2000	32.67	-14.19	18.48	43.50	-25.02	peak			
6		300.0000	27.07	-9.98	17.09	46.00	-28.91	peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(WIFI) Data :#2 Date: 2009/7/15 Time: 下午 10:29:07



Site
Limit: FCC Class B 3M Radiation
EUT:
M/N: 09-0187-E
Mode: WIFI
Note:

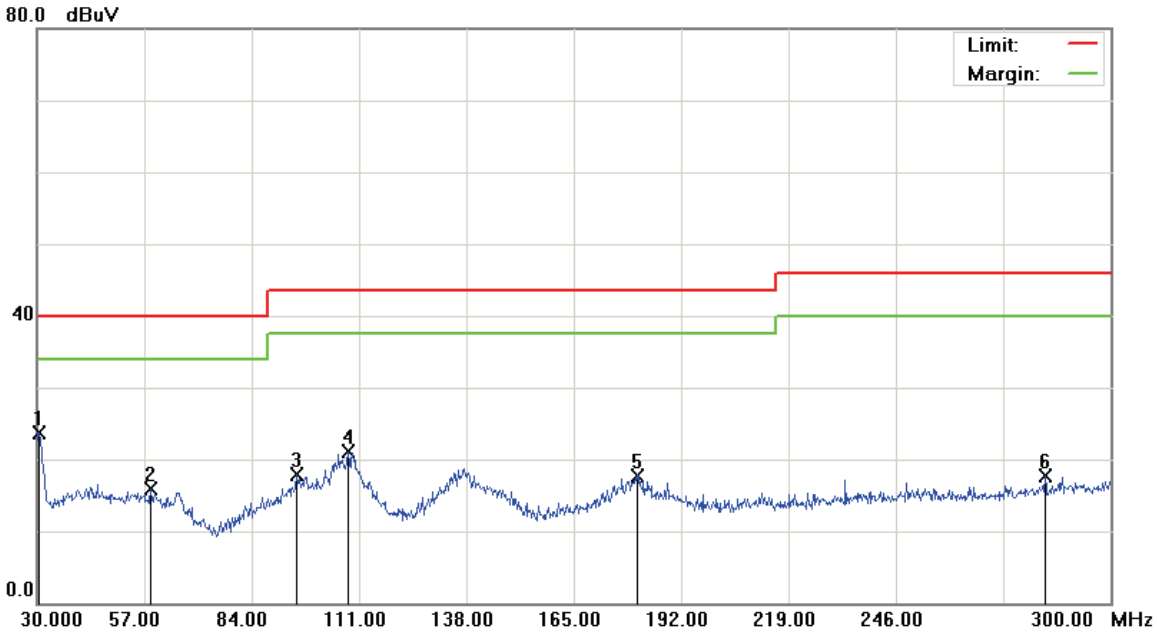
Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		444.9000	29.53	-8.03	21.50	46.00	-24.50	peak			
2		542.2000	28.47	-6.04	22.43	46.00	-23.57	peak			
3		615.0000	28.24	-4.40	23.84	46.00	-22.16	peak			
4		746.6000	28.63	-3.11	25.52	46.00	-20.48	peak			
5	*	888.0000	27.81	-0.55	27.26	46.00	-18.74	peak			
6		997.9000	27.85	0.69	28.54	54.00	-25.46	peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(WIFI) Data :#3 Date: 2009/7/15 Time: 下午 10:33:20



Site
Limit: FCC Class B 3M Radiation
EUT:
M/N: 09-0187-E
Mode: WIFI
Note:

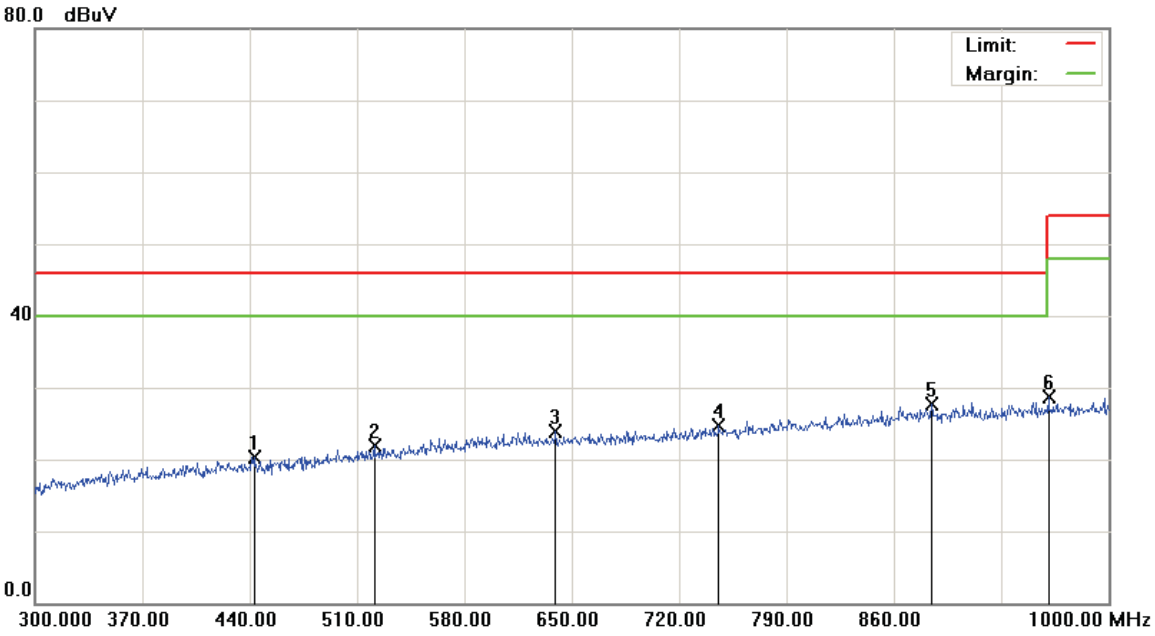
Polarization: ***Horizontal***
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	30.5400	37.06	-13.31	23.75	40.00	-16.25	peak			
2		58.6200	28.43	-12.45	15.98	40.00	-24.02	peak			
3		95.3399	29.99	-12.02	17.97	43.50	-25.53	peak			
4		108.3000	33.39	-12.37	21.02	43.50	-22.48	peak			
5		180.9299	32.03	-14.23	17.80	43.50	-25.70	peak			
6		283.5300	28.03	-10.33	17.70	46.00	-28.30	peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(WIFI) Data :#4 Date: 2009/7/15 Time: 下午 10:37:33



Site
Limit: FCC Class B 3M Radiation
EUT:
M/N: 09-0187-E
Mode: WIFI
Note:

Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		442.8000	28.36	-8.02	20.34	46.00	-25.66	peak			
2		521.2000	28.46	-6.56	21.90	46.00	-24.10	peak			
3		639.5000	28.31	-4.45	23.86	46.00	-22.14	peak			
4		745.9000	27.77	-3.11	24.66	46.00	-21.34	peak			
5	*	884.5000	27.97	-0.17	27.80	46.00	-18.20	peak			
6		960.8000	28.18	0.48	28.66	54.00	-25.34	peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

Applicant : Dell Inc.

Model No : V02B

EUT : GSM/GPRS/UMTS Mobile Phone

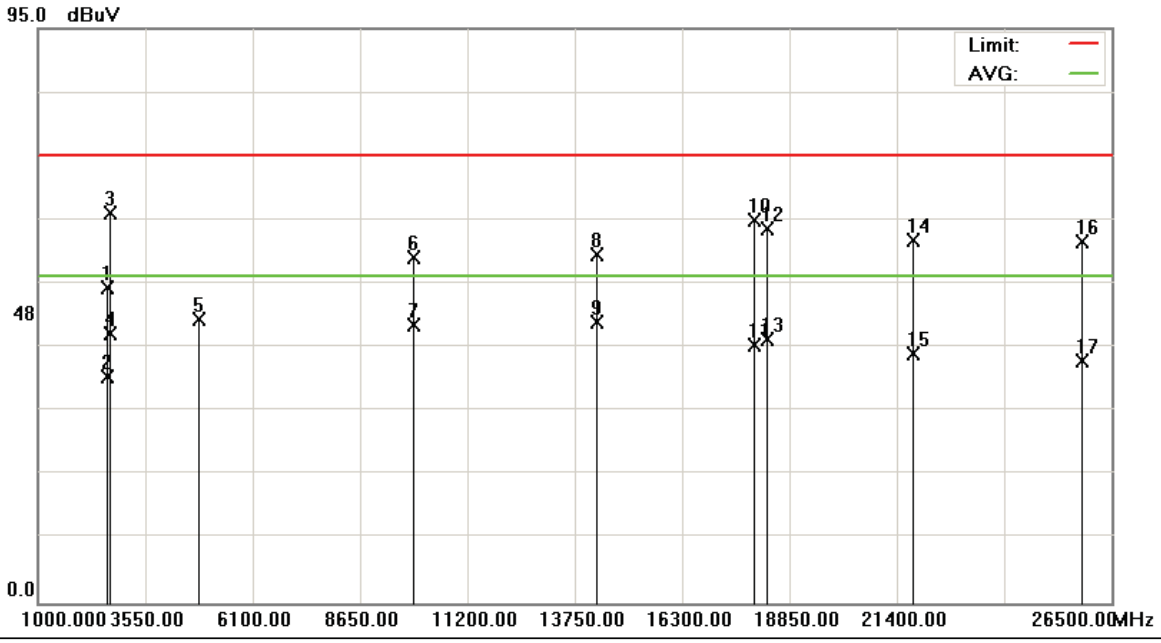
Test Mode : Wi-Fi 802.11b Link Mode (above 1 GHz)

Test Date : 07/15/2009

Please refer to next page of detail testing data.

Notes:
1. Margin= Amplitude - Limits
2. Distance of Measurement: 3 Meter (30-1000MHz) & (1-10GHz), 1 Meter (10-26.5GHz)
3. Height of table for EUT placed: 0.8 Meter.
4. ANT= Antenna height.
5. Amplitude= Reading Amplitude – Amplifier gain + Cable loss + Antenna factor (Auto calculate in spectrum analyzer)
6. The EUT was worst case on X axis after pretest on X & Y & Z axis setting.
7. The testing data only show below 18GHz's data because measure data above 18GHz was only ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested

File :Blaze(2412MHz) Data :#25 Date: 2009/7/15 Time: 下午 08:46:23



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11b)
Note: CH01(2412MHz)

Polarization: *Vertical*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2633.700	51.27	0.93	52.20	74.00	-21.80	peak			
2		2633.700	36.46	0.93	37.39	54.00	-16.61	AVG			
3		2700.000	41.93	22.58	64.51	74.00	-9.49	peak			
4		2700.000	21.95	22.58	44.53	54.00	-9.47	AVG			
5		4824.000	39.32	7.48	46.80	74.00	-27.20	peak			
6		9908.750	39.38	17.78	57.16	74.00	-16.84	peak			
7		9908.750	28.27	17.78	46.05	54.00	-7.95	AVG			
8		14260.00	38.85	18.66	57.51	74.00	-16.49	peak			
9	*	14260.00	27.79	18.66	46.45	54.00	-7.55	AVG			
10		18000.00	37.62	25.57	63.19	74.00	-10.81	peak			
11		18000.00	17.12	25.57	42.69	54.00	-11.31	AVG			
12		18297.50	38.65	23.20	61.85	74.00	-12.15	peak			
13		18297.50	20.43	23.20	43.63	54.00	-10.37	AVG			

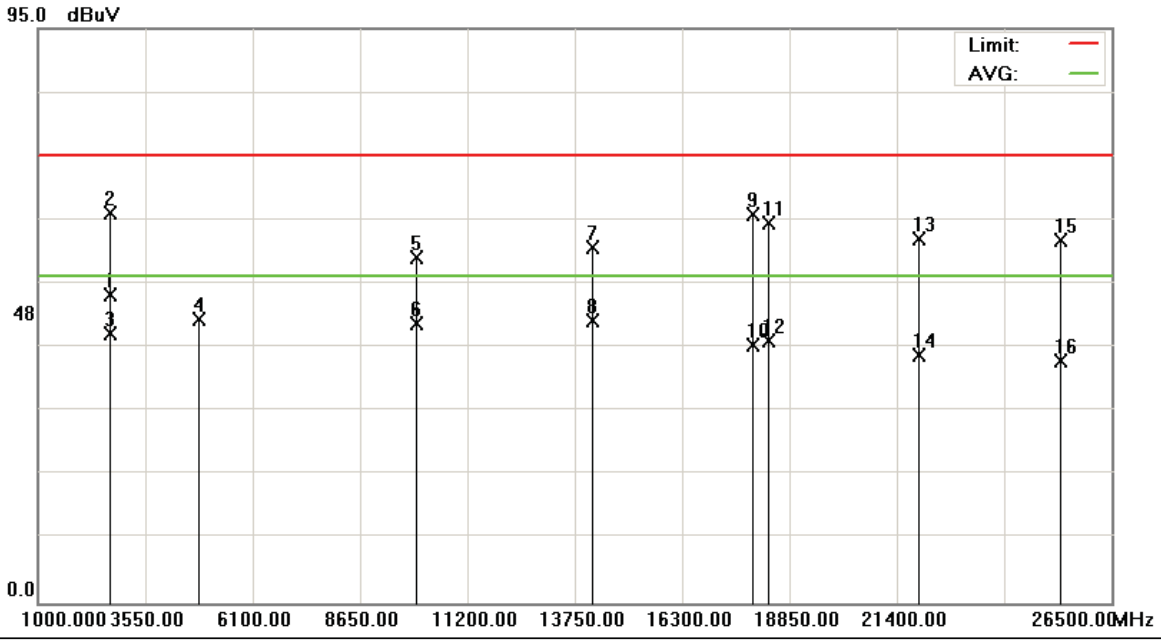
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Vertical***	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance:	
M/N: 09-0187-SEO		
Mode: WIFI(11b)		
Note: CH01(2412MHz)		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21782.50	38.75	21.22	59.97	74.00	-14.03	peak			
15		21782.50	19.91	21.22	41.13	54.00	-12.87	AVG			
16		25798.75	41.01	18.72	59.73	74.00	-14.27	peak			
17		25798.75	21.34	18.72	40.06	54.00	-13.94	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2412MHz) Data :#26 Date: 2009/7/15 Time: 下午 09:08:43



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11b)
Note:

Polarization: *Horizontal*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2698.300	49.96	0.87	50.83	74.00	-23.17	peak			
2		2700.000	41.96	22.58	64.54	74.00	-9.46	peak			
3		2700.000	21.98	22.58	44.56	54.00	-9.44	AVG			
4		4824.000	39.43	7.48	46.91	74.00	-27.09	peak			
5		9981.750	39.24	17.88	57.12	74.00	-16.88	peak			
6		9981.750	28.41	17.88	46.29	54.00	-7.71	AVG			
7		14180.00	39.92	18.85	58.77	74.00	-15.23	peak			
8	*	14180.00	27.85	18.85	46.70	54.00	-7.30	AVG			
9		17980.00	38.96	25.21	64.17	74.00	-9.83	peak			
10		17980.00	17.36	25.21	42.57	54.00	-11.43	AVG			
11		18361.25	39.65	23.16	62.81	74.00	-11.19	peak			
12		18361.25	20.19	23.16	43.35	54.00	-10.65	AVG			
13		21910.00	39.06	21.16	60.22	74.00	-13.78	peak			

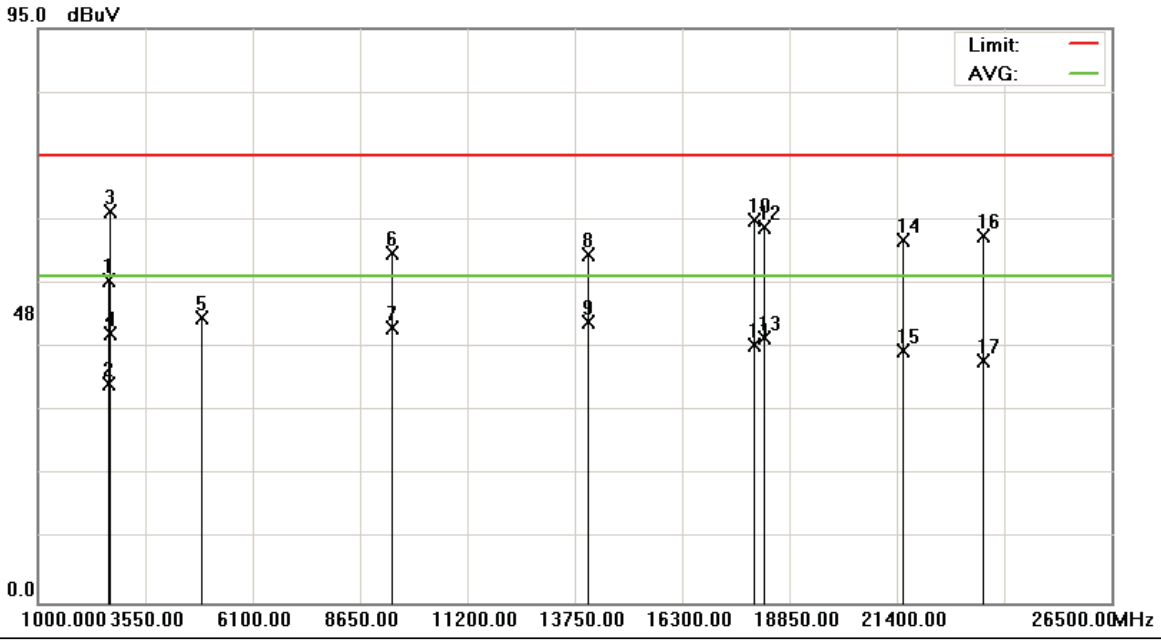
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Horizontal***	Temperature:	22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity:	60 %
EUT:	Distance:		
M/N: 09-0187-SEO			
Mode: WIFI(11b)			
Note:			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21910.00	19.90	21.16	41.06	54.00	-12.94	AVG			
15		25267.50	40.89	19.13	60.02	74.00	-13.98	peak			
16		25267.50	20.96	19.13	40.09	54.00	-13.91	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2437MHz) Data :#17 Date: 2009/7/15 Time: 下午 08:48:28



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11b)
Note: CH06(2437MHz)

Polarization: *Vertical*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2677.900	52.35	1.01	53.36	74.00	-20.64	peak			
2		2677.900	35.16	1.01	36.17	54.00	-17.83	AVG			
3		2700.000	42.05	22.58	64.63	74.00	-9.37	peak			
4		2700.000	21.98	22.58	44.56	54.00	-9.44	AVG			
5		4874.000	39.34	7.72	47.06	74.00	-26.94	peak			
6		9397.750	40.67	17.07	57.74	74.00	-16.26	peak			
7		9397.750	28.41	17.07	45.48	54.00	-8.52	AVG			
8		14080.00	38.84	18.81	57.65	74.00	-16.35	peak			
9	*	14080.00	27.73	18.81	46.54	54.00	-7.46	AVG			
10		18000.00	37.74	25.57	63.31	74.00	-10.69	peak			
11		18000.00	17.05	25.57	42.62	54.00	-11.38	AVG			
12		18233.75	38.81	23.21	62.02	74.00	-11.98	peak			
13		18233.75	20.63	23.21	43.84	54.00	-10.16	AVG			

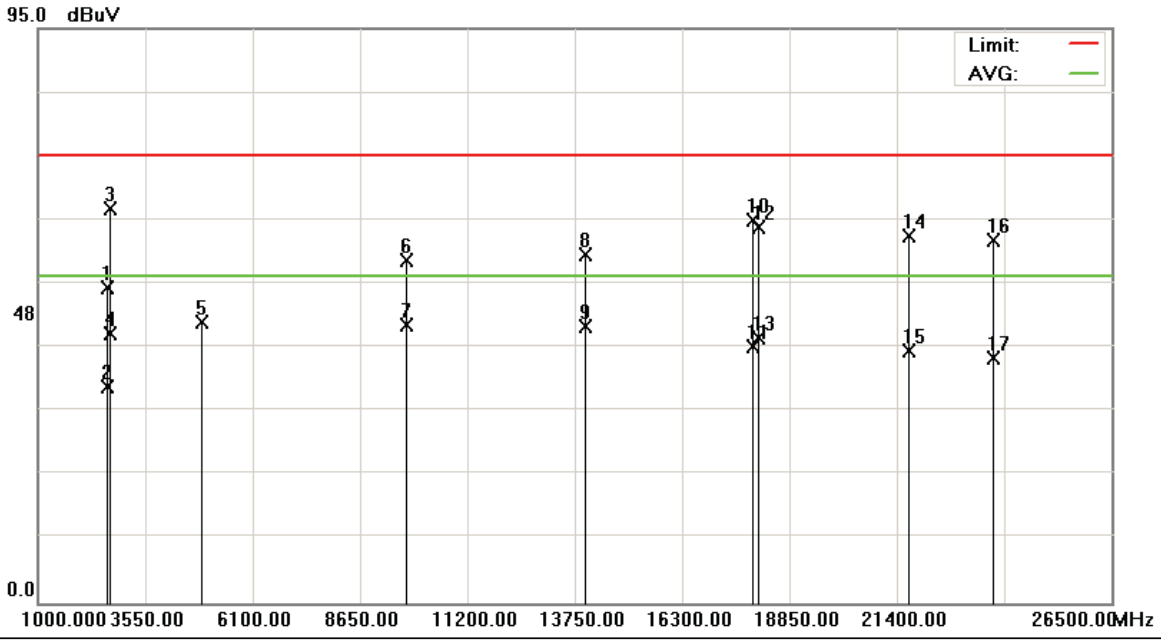
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Vertical***	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance:	
M/N: 09-0187-SEO		
Mode: WIFI(11b)		
Note: CH06(2437MHz)		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21548.75	38.74	21.33	60.07	74.00	-13.93	peak			
15		21548.75	20.29	21.33	41.62	54.00	-12.38	AVG			
16		23418.75	40.02	20.68	60.70	74.00	-13.30	peak			
17		23418.75	19.41	20.68	40.09	54.00	-13.91	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2437MHz) Data :#18 Date: 2009/7/15 Time: 下午 09:06:39



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11b)
Note: CH06(2437MHz)

Polarization: *Horizontal*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2635.400	51.21	0.95	52.16	74.00	-21.84	peak			
2		2635.400	34.82	0.95	35.77	54.00	-18.23	AVG			
3		2700.000	42.51	22.58	65.09	74.00	-8.91	peak			
4		2700.000	21.92	22.58	44.50	54.00	-9.50	AVG			
5		4874.000	38.80	7.72	46.52	74.00	-27.48	peak			
6		9744.500	39.01	17.69	56.70	74.00	-17.30	peak			
7	*	9744.500	28.26	17.69	45.95	54.00	-8.05	AVG			
8		14000.00	38.85	18.67	57.52	74.00	-16.48	peak			
9		14000.00	27.01	18.67	45.68	54.00	-8.32	AVG			
10		17980.00	38.17	25.21	63.38	74.00	-10.62	peak			
11		17980.00	17.14	25.21	42.35	54.00	-11.65	AVG			
12		18106.25	38.97	23.23	62.20	74.00	-11.80	peak			
13		18106.25	20.61	23.23	43.84	54.00	-10.16	AVG			

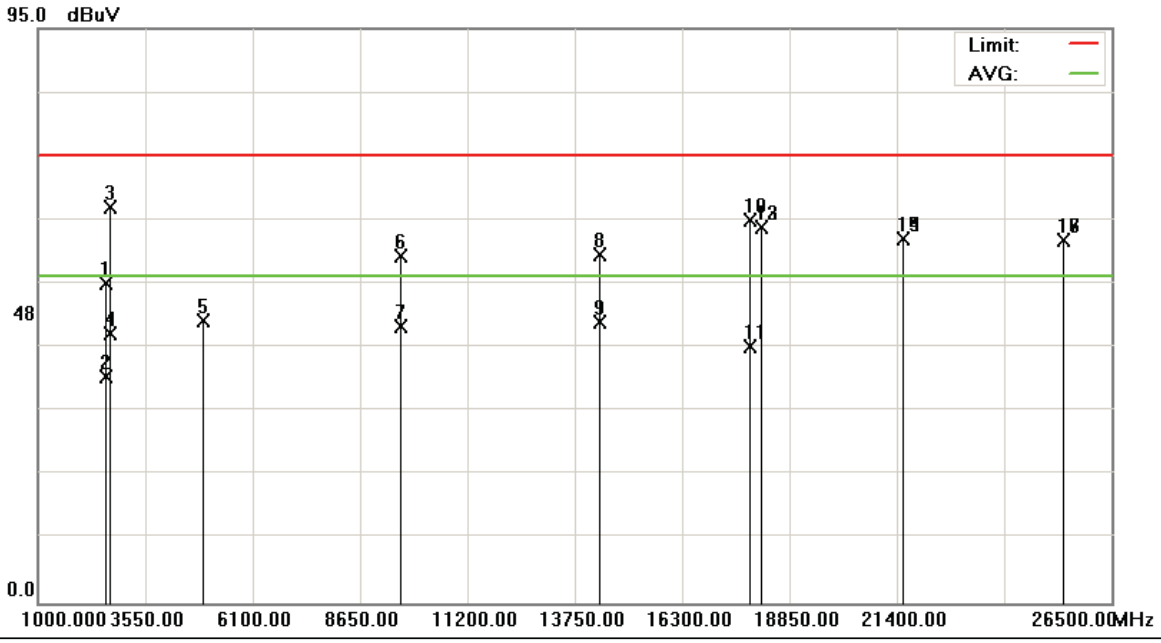
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Horizontal***	Temperature:	22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity:	60 %
EUT:	Distance:		
M/N: 09-0187-SEO			
Mode: WIFI(11b)			
Note: CH06(2437MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21676.25	39.48	21.25	60.73	74.00	-13.27	peak			
15		21676.25	20.37	21.25	41.62	54.00	-12.38	AVG			
16		23695.00	39.62	20.33	59.95	74.00	-14.05	peak			
17		23695.00	20.19	20.33	40.52	54.00	-13.48	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2462MHz) Data :#17 Date: 2009/7/15 Time: 下午 08:44:23



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11b)
Note: CH11(2462MHz)

Polarization: *Vertical*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2601.400	52.30	0.59	52.89	74.00	-21.11	peak			
2		2601.400	36.79	0.59	37.38	54.00	-16.62	AVG			
3		2700.000	42.84	22.58	65.42	74.00	-8.58	peak			
4		2700.000	21.96	22.58	44.54	54.00	-9.46	AVG			
5		4924.000	39.02	7.65	46.67	74.00	-27.33	peak			
6		9598.500	39.84	17.41	57.25	74.00	-16.75	peak			
7		9598.500	28.35	17.41	45.76	54.00	-8.24	AVG			
8		14320.00	38.95	18.57	57.52	74.00	-16.48	peak			
9	*	14320.00	27.77	18.57	46.34	54.00	-7.66	AVG			
10		17900.00	38.42	24.96	63.38	74.00	-10.62	peak			
11		17900.00	17.38	24.96	42.34	54.00	-11.66	AVG			
12		18170.00	38.90	23.23	62.13	74.00	-11.87	peak			
13		18170.00	38.90	23.23	62.13	74.00	-11.87	peak			

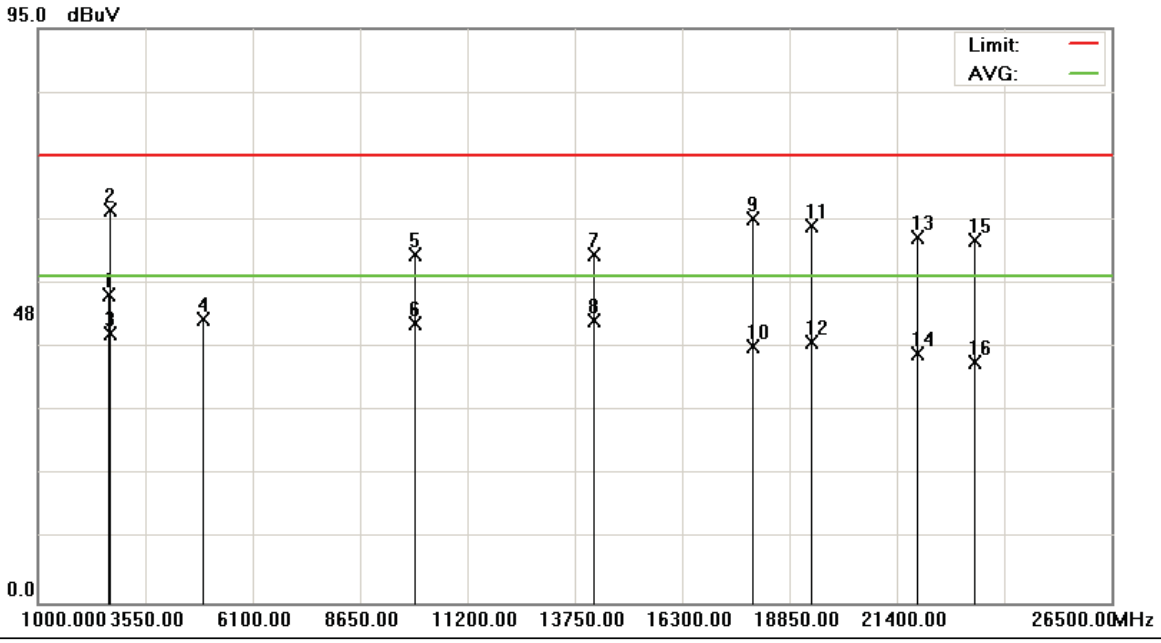
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Vertical***	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance:	
M/N: 09-0187-SEO		
Mode: WIFI(11b)		
Note: CH11(2462MHz)		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21548.75	38.88	21.33	60.21	74.00	-13.79	peak			
15		21548.75	38.88	21.33	60.21	74.00	-13.79	peak			
16		25352.50	40.86	19.07	59.93	74.00	-14.07	peak			
17		25352.50	40.86	19.07	59.93	74.00	-14.07	peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2462MHz) Data :#18 Date: 2009/7/15 Time: 下午 09:04:14



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11b)
Note: CH11(2462MHz)

Polarization: *Horizontal*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2676.200	49.94	1.02	50.96	74.00	-23.04	peak			
2		2700.000	42.39	22.58	64.97	74.00	-9.03	peak			
3		2700.000	21.95	22.58	44.53	54.00	-9.47	AVG			
4		4924.000	39.16	7.65	46.81	74.00	-27.19	peak			
5		9945.250	39.86	17.78	57.64	74.00	-16.36	peak			
6		9945.250	28.48	17.78	46.26	54.00	-7.74	AVG			
7		14200.00	38.69	18.86	57.55	74.00	-16.45	peak			
8	*	14200.00	27.71	18.86	46.57	54.00	-7.43	AVG			
9		17980.00	38.43	25.21	63.64	74.00	-10.36	peak			
10		17980.00	17.28	25.21	42.49	54.00	-11.51	AVG			
11		19338.75	39.44	22.87	62.31	74.00	-11.69	peak			
12		19338.75	20.12	22.87	42.99	54.00	-11.01	AVG			
13		21867.50	39.29	21.19	60.48	74.00	-13.52	peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Horizontal***	Temperature:	22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity:	60 %
EUT:	Distance:		
M/N: 09-0187-SEO			
Mode: WIFI(11b)			
Note: CH11(2462MHz)			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21867.50	20.05	21.19	41.24	54.00	-12.76	AVG			
15		23227.50	39.25	20.80	60.05	74.00	-13.95	peak			
16		23227.50	19.10	20.80	39.90	54.00	-14.10	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

Applicant : Dell Inc.

Model No : V02B

EUT : GSM/GPRS/UMTS Mobile Phone

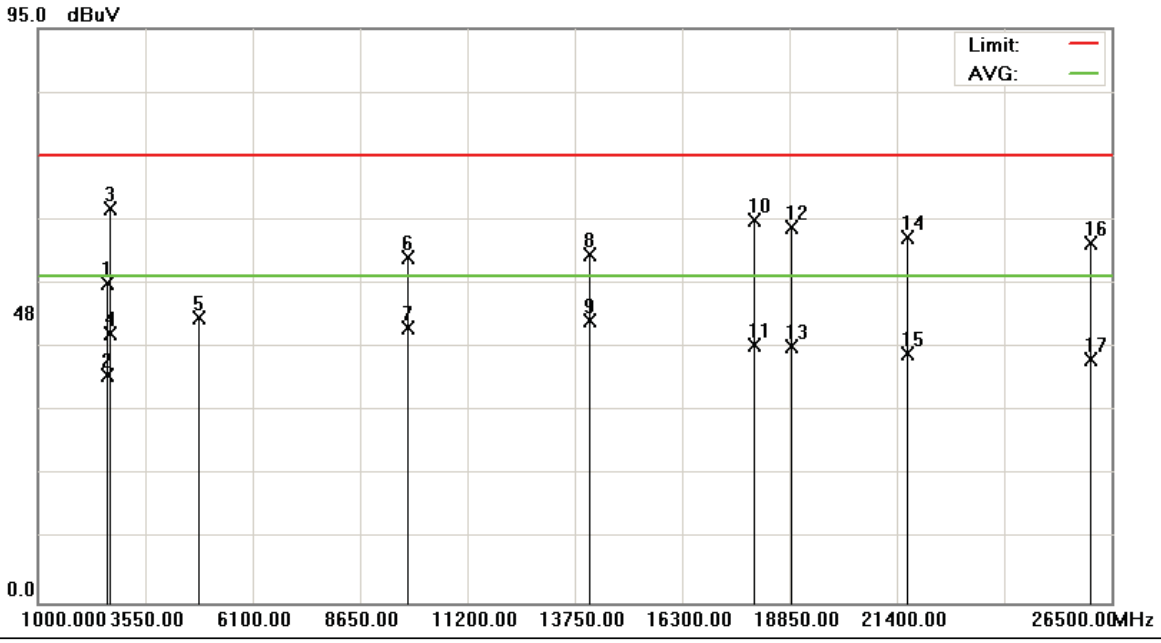
Test Mode : Wi-Fi 802.11g Link Mode (above 1 GHz)

Test Date : 07/15/2009

Please refer to next page of detail testing data.

Notes:
1. Margin= Amplitude - Limits
2. Distance of Measurement: 3 Meter (30-1000MHz) & (1-10GHz), 1 Meter (10-26.5GHz)
3. Height of table for EUT placed: 0.8 Meter.
4. ANT= Antenna height.
5. Amplitude= Reading Amplitude – Amplifier gain + Cable loss + Antenna factor (Auto calculate in spectrum analyzer)
6. The EUT was worst case on X axis after pretest on X & Y & Z axis setting.
7. The testing data only show below 18GHz's data because measure data above 18GHz was only ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested

File :Blaze(2412) Data :#17 Date: 2009/7/15 Time: 下午 08:50:42



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11g)
Note: CH01(2412MHz)，Antenna100cm

Polarization: *Vertical*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2642.200	51.77	0.97	52.74	74.00	-21.26	peak			
2		2642.200	36.73	0.97	37.70	54.00	-16.30	AVG			
3		2700.000	42.56	22.58	65.14	74.00	-8.86	peak			
4		2700.000	22.03	22.58	44.61	54.00	-9.39	AVG			
5		4824.000	39.59	7.48	47.07	74.00	-26.93	peak			
6		9762.750	39.49	17.70	57.19	74.00	-16.81	peak			
7		9762.750	27.73	17.70	45.43	54.00	-8.57	AVG			
8		14100.00	38.59	18.90	57.49	74.00	-16.51	peak			
9	*	14100.00	27.71	18.90	46.61	54.00	-7.39	AVG			
10		18000.00	37.73	25.57	63.30	74.00	-10.70	peak			
11		18000.00	16.98	25.57	42.55	54.00	-11.45	AVG			
12		18892.50	38.92	23.15	62.07	74.00	-11.93	peak			
13		18892.50	19.27	23.15	42.42	54.00	-11.58	AVG			

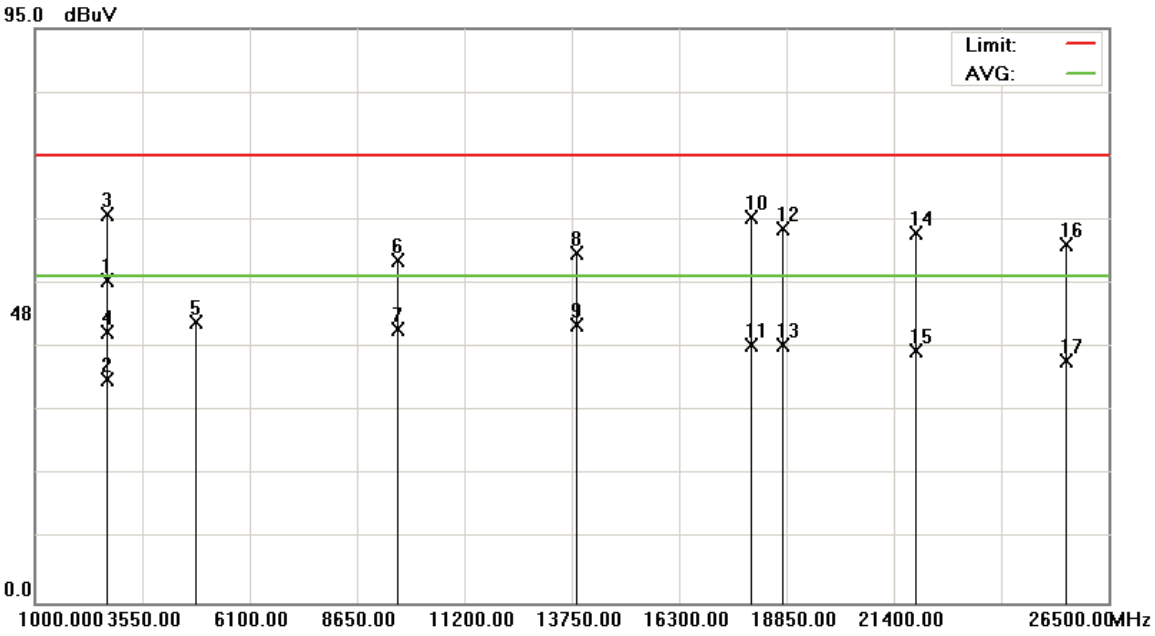
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Vertical***	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance:	
M/N: 09-0187-SEO		
Mode: WIFI(11g)		
Note: CH01(2412MHz)，Antenna100cm		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21655.00	39.15	21.27	60.42	74.00	-13.58	peak			
15		21655.00	19.99	21.27	41.26	54.00	-12.74	AVG			
16		25990.00	40.88	18.56	59.44	74.00	-14.56	peak			
17		25990.00	21.71	18.56	40.27	54.00	-13.73	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2412) Data :#18 Date: 2009/7/15 Time: 下午 09:00:08



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11g)
Note: CH01(2412MHz)，Antenna100cm

Polarization: *Horizontal*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2686.400	52.28	1.02	53.30	74.00	-20.70	peak			
2		2686.400	35.89	1.02	36.91	54.00	-17.09	AVG			
3		2700.000	41.74	22.58	64.32	74.00	-9.68	peak			
4		2700.000	22.10	22.58	44.68	54.00	-9.32	AVG			
5		4824.000	38.97	7.48	46.45	74.00	-27.55	peak			
6		9598.500	39.32	17.41	56.73	74.00	-17.27	peak			
7		9598.500	27.86	17.41	45.27	54.00	-8.73	AVG			
8		13860.00	39.70	18.23	57.93	74.00	-16.07	peak			
9	*	13860.00	27.74	18.23	45.97	54.00	-8.03	AVG			
10		18000.00	38.13	25.57	63.70	74.00	-10.30	peak			
11		18000.00	16.96	25.57	42.53	54.00	-11.47	AVG			
12		18743.75	38.84	23.13	61.97	74.00	-12.03	peak			
13		18743.75	19.51	23.13	42.64	54.00	-11.36	AVG			

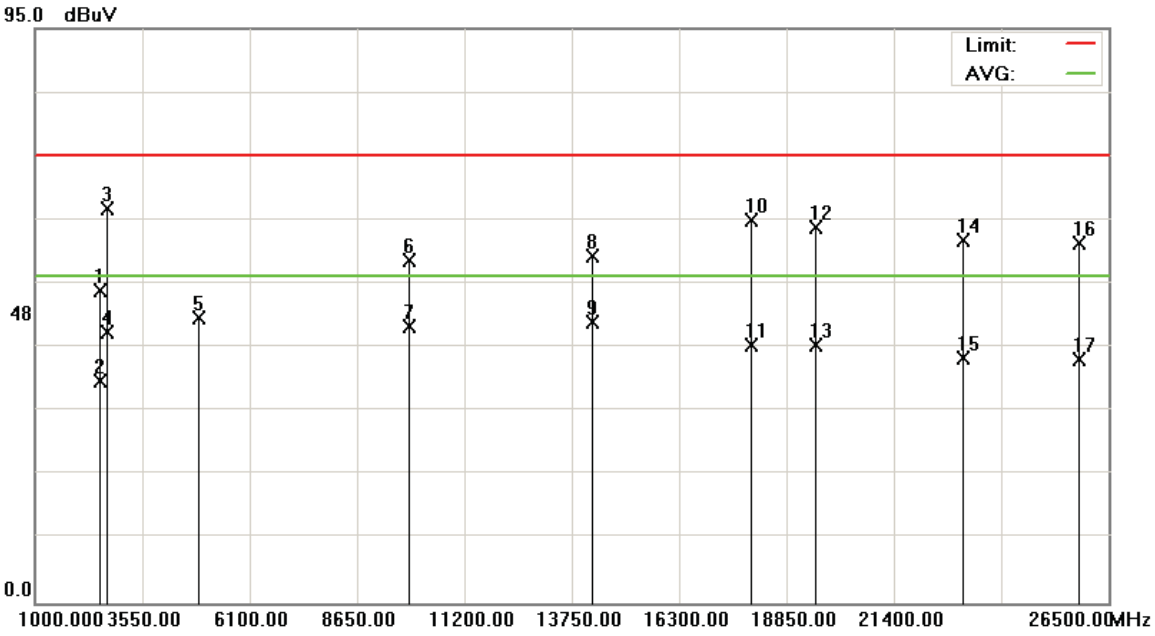
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Horizontal***	Temperature:	22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity:	60 %
EUT:	Distance:		
M/N: 09-0187-SEO			
Mode: WIFI(11g)			
Note: CH01(2412MHz)，Antenna100cm			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21931.25	40.10	21.15	61.25	74.00	-12.75	peak			
15		21931.25	20.47	21.15	41.62	54.00	-12.38	AVG			
16		25501.25	40.28	18.98	59.26	74.00	-14.74	peak			
17		25501.25	21.14	18.98	40.12	54.00	-13.88	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2437) Data :#17 Date: 2009/7/15 Time: 下午 08:54:53



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11g)
Note: CH06(2437MHz)，Antenna100cm

Polarization: *Vertical*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2540.200	51.15	0.48	51.63	74.00	-22.37	peak			
2		2540.200	36.12	0.48	36.60	54.00	-17.40	AVG			
3		2700.000	42.67	22.58	65.25	74.00	-8.75	peak			
4		2700.000	22.28	22.58	44.86	54.00	-9.14	AVG			
5		4874.000	39.44	7.72	47.16	74.00	-26.84	peak			
6		9872.250	38.80	17.84	56.64	74.00	-17.36	peak			
7		9872.250	27.88	17.84	45.72	54.00	-8.28	AVG			
8		14220.00	38.62	18.78	57.40	74.00	-16.60	peak			
9	*	14220.00	27.67	18.78	46.45	54.00	-7.55	AVG			
10		18000.00	37.84	25.57	63.41	74.00	-10.59	peak			
11		18000.00	16.95	25.57	42.52	54.00	-11.48	AVG			
12		19530.00	39.35	22.67	62.02	74.00	-11.98	peak			
13		19530.00	19.94	22.67	42.61	54.00	-11.39	AVG			

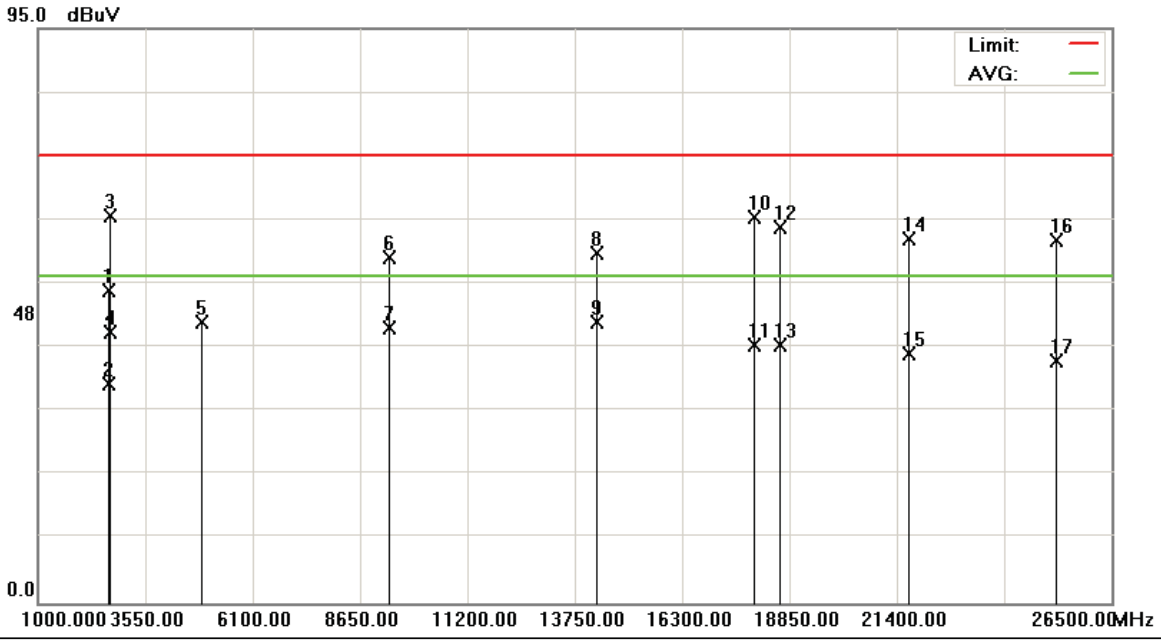
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Vertical***	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance:	
M/N: 09-0187-SEO		
Mode: WIFI(11g)		
Note: CH06(2437MHz)，Antenna100cm		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		23057.50	39.14	20.86	60.00	74.00	-14.00	peak			
15		23057.50	19.75	20.86	40.61	54.00	-13.39	AVG			
16		25798.75	40.83	18.72	59.55	74.00	-14.45	peak			
17		25798.75	21.57	18.72	40.29	54.00	-13.71	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2437) Data :#18 Date: 2009/7/15 Time: 下午 08:57:54



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11g)
Note: CH06(2437MHz)，Antenna100cm

Polarization: *Horizontal*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2659.200	50.79	0.92	51.71	74.00	-22.29	peak			
2		2659.200	35.41	0.92	36.33	54.00	-17.67	AVG			
3		2700.000	41.42	22.58	64.00	74.00	-10.00	peak			
4		2700.000	22.17	22.58	44.75	54.00	-9.25	AVG			
5		4874.000	38.60	7.72	46.32	74.00	-27.68	peak			
6		9324.750	40.16	16.91	57.07	74.00	-16.93	peak			
7		9324.750	28.56	16.91	45.47	54.00	-8.53	AVG			
8		14240.00	39.01	18.71	57.72	74.00	-16.28	peak			
9	*	14240.00	27.75	18.71	46.46	54.00	-7.54	AVG			
10		18000.00	38.27	25.57	63.84	74.00	-10.16	peak			
11		18000.00	17.01	25.57	42.58	54.00	-11.42	AVG			
12		18616.25	39.08	23.07	62.15	74.00	-11.85	peak			
13		18616.25	19.48	23.07	42.55	54.00	-11.45	AVG			

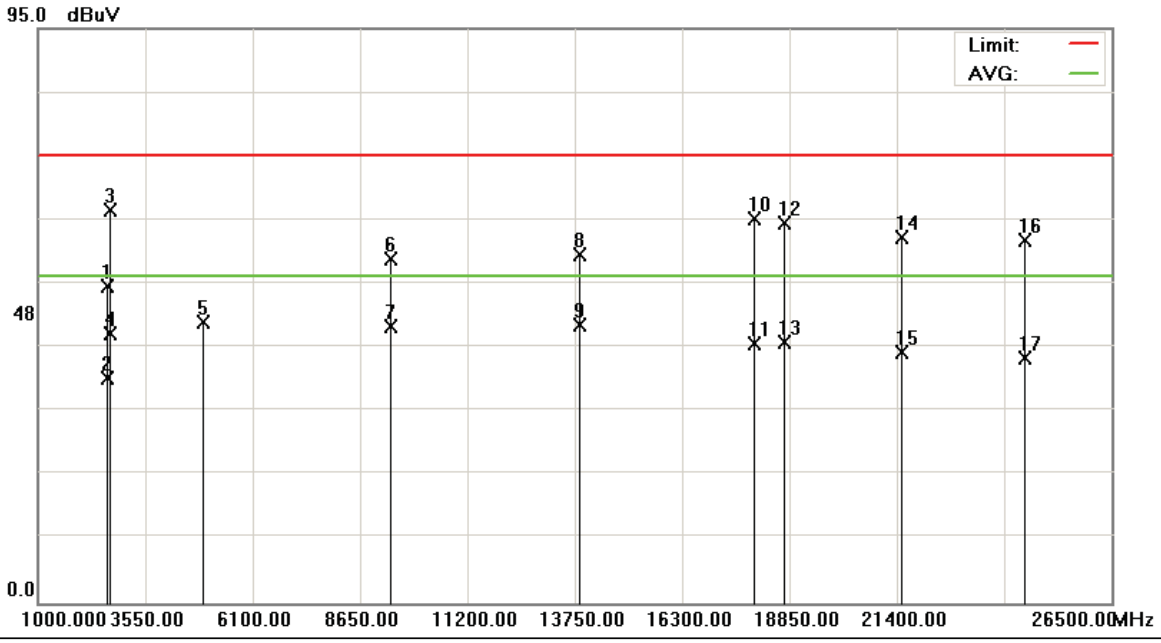
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Horizontal***	Temperature:	22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity:	60 %
EUT:	Distance:		
M/N: 09-0187-SEO			
Mode: WIFI(11g)			
Note: CH06(2437MHz)，Antenna100cm			

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21676.25	38.89	21.25	60.14	74.00	-13.86	peak			
15		21676.25	19.92	21.25	41.17	54.00	-12.83	AVG			
16		25161.25	40.78	19.22	60.00	74.00	-14.00	peak			
17		25161.25	20.78	19.22	40.00	54.00	-14.00	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2462) Data :#17 Date: 2009/7/15 Time: 下午 08:52:46



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11g)
Note: CH11(2462MHz)，Antenna100cm

Polarization: *Vertical*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2633.700	51.51	0.93	52.44	74.00	-21.56	peak			
2		2633.700	36.22	0.93	37.15	54.00	-16.85	AVG			
3		2700.000	42.36	22.58	64.94	74.00	-9.06	peak			
4		2700.000	21.92	22.58	44.50	54.00	-9.50	AVG			
5		4924.000	38.72	7.65	46.37	74.00	-27.63	peak			
6		9343.000	39.89	16.93	56.82	74.00	-17.18	peak			
7		9343.000	28.74	16.93	45.67	54.00	-8.33	AVG			
8		13860.00	39.36	18.23	57.59	74.00	-16.41	peak			
9	*	13860.00	27.65	18.23	45.88	54.00	-8.12	AVG			
10		18000.00	37.91	25.57	63.48	74.00	-10.52	peak			
11		18000.00	17.21	25.57	42.78	54.00	-11.22	AVG			
12		18701.25	39.73	23.11	62.84	74.00	-11.16	peak			
13		18701.25	19.95	23.11	43.06	54.00	-10.94	AVG			

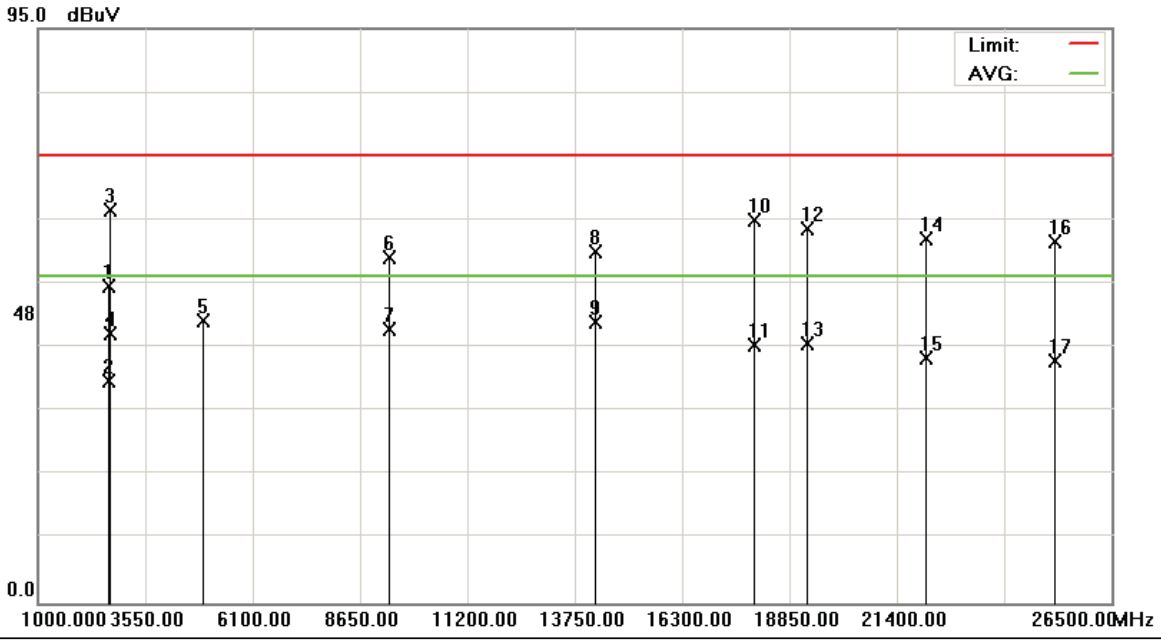
*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Vertical***	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance:	
M/N: 09-0187-SEO		
Mode: WIFI(11g)		
Note: CH11(2462MHz)，Antenna100cm		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		21527.50	38.98	21.35	60.33	74.00	-13.67	peak			
15		21527.50	20.00	21.35	41.35	54.00	-12.65	AVG			
16		24417.50	40.27	19.71	59.98	74.00	-14.02	peak			
17		24417.50	20.73	19.71	40.44	54.00	-13.56	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(2462) Data :#18 Date: 2009/7/15 Time: 下午 09:02:12



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: WIFI(11g)
Note: CH11(2462MHz)，Antenna100cm

Polarization: *Horizontal*
Power:
Distance:

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2679.600	51.26	1.00	52.26	74.00	-21.74	peak			
2		2679.600	35.67	1.00	36.67	54.00	-17.33	AVG			
3		2700.000	42.27	22.58	64.85	74.00	-9.15	peak			
4		2700.000	22.02	22.58	44.60	54.00	-9.40	AVG			
5		4924.000	39.02	7.65	46.67	74.00	-27.33	peak			
6		9324.750	40.18	16.91	57.09	74.00	-16.91	peak			
7		9324.750	28.37	16.91	45.28	54.00	-8.72	AVG			
8		14220.00	39.36	18.78	58.14	74.00	-15.86	peak			
9	*	14220.00	27.68	18.78	46.46	54.00	-7.54	AVG			
10		18000.00	37.66	25.57	63.23	74.00	-10.77	peak			
11		18000.00	16.98	25.57	42.55	54.00	-11.45	AVG			
12		19275.00	38.91	22.91	61.82	74.00	-12.18	peak			
13		19275.00	19.98	22.91	42.89	54.00	-11.11	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

Site	Polarization: ***Horizontal***	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance:	
M/N: 09-0187-SEO		
Mode: WIFI(11g)		
Note: CH11(2462MHz)，Antenna100cm		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
14		22080.00	39.02	21.07	60.09	74.00	-13.91	peak			
15		22080.00	19.54	21.07	40.61	54.00	-13.39	AVG			
16		25140.00	40.53	19.25	59.78	74.00	-14.22	peak			
17		25140.00	20.85	19.25	40.10	54.00	-13.90	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

4. Maximum Conducted Output Power Requirements

4.1 Test Condition & Setup

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

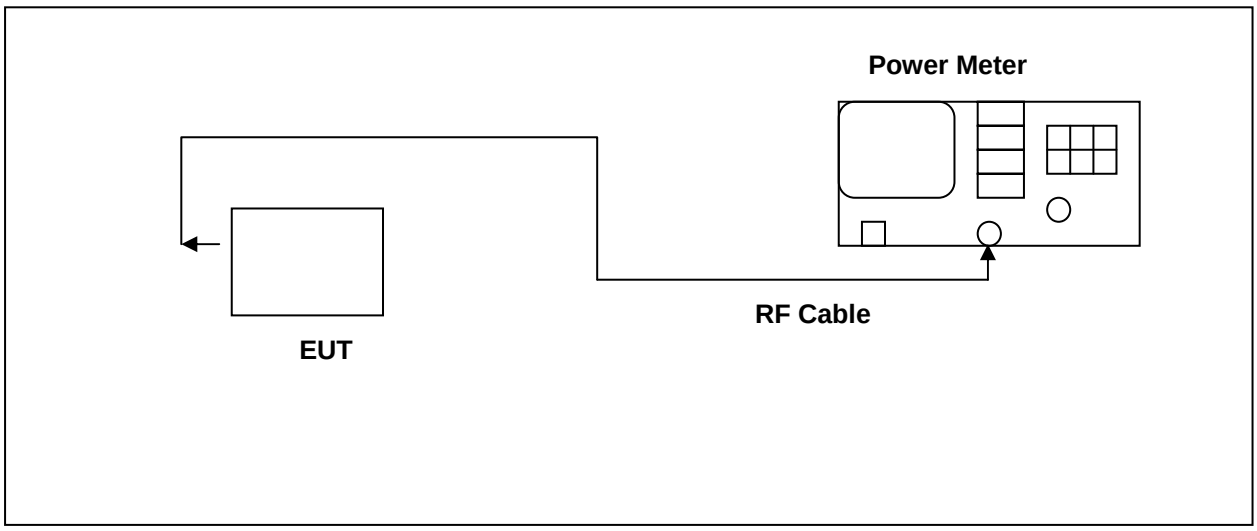
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to spectrum analyzer. The maximum peak output power shall not exceed 1 watt.

Use a direct connection between the antenna port of transmitter and the spectrum Analyzer, for prevent the spectrum analyzer input attenuation 40-50 dB. Set the RBW Bandwidth of the emission or use a channel power meter mode.

For antennas with gains of 6 dBi or less, maximum allowed transmitter output is 1 watt (+30 dBm). For antennas with gains greater than 6 dBi, transmitter output level must be decreased by an amount equal to (GAIN - 6)/3 dBm.

The antenna port of the EUT was connected to the input of a power meter. Power was read directly and cable loss correction was added to the reading to obtain power at the EUT antenna terminals.

4.2 Test Configuration



4.3 Test Equipment List

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Power Meter	RS	NRP	101591	May 17, 2009	May 17, 2010

4.4 Test Result

802.11b			
Frequency (MHz)	Data Rate (Mbps)	Peak Output Power (dBm)	Required Limit
2412	1	16.24	<30dBm
2437	1	16.97	<30dBm
2462	1	17.45	<30dBm

802.11g			
Frequency (MHz)	Data Rate (Mbps)	Peak Output Power (dBm)	Required Limit
2412	6	19.80	<30dBm
2437	6	19.41	<30dBm
2462	6	19.94	<30dBm

5. Minimum 6dB RF Bandwidth Requirements

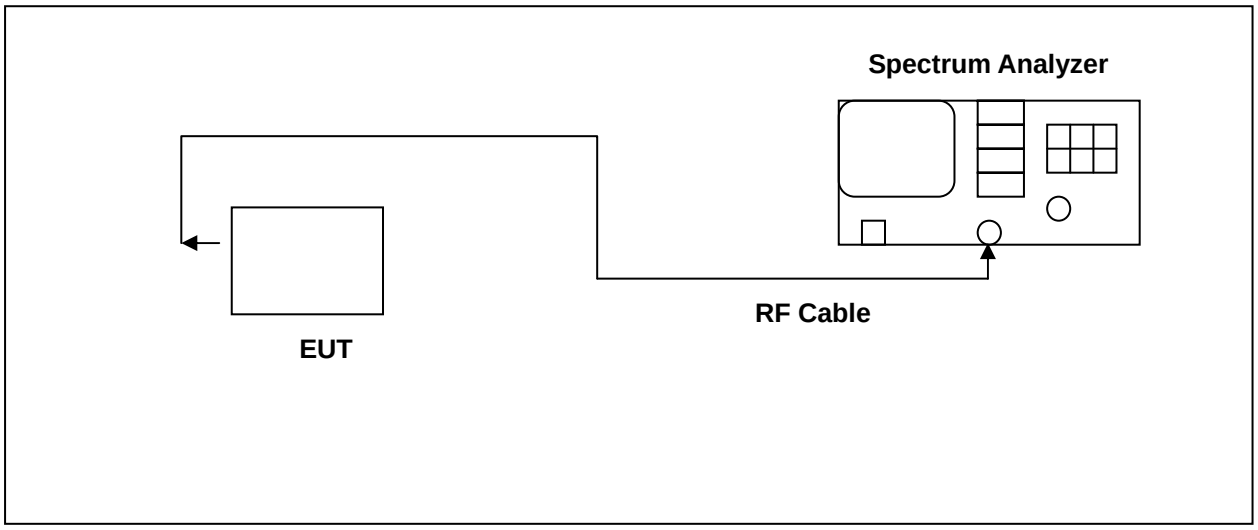
5.1 Test Condition & Setup

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK output reading was taken, a DISPLAY line was drawn 6 dB lower than PEAK level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

The test was performed at 3 channels (Channel 1, 6, 11)

5.2 Test Configuration



5.3 Test Equipment List

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	Dec. 22, 2008	Dec. 22, 2009

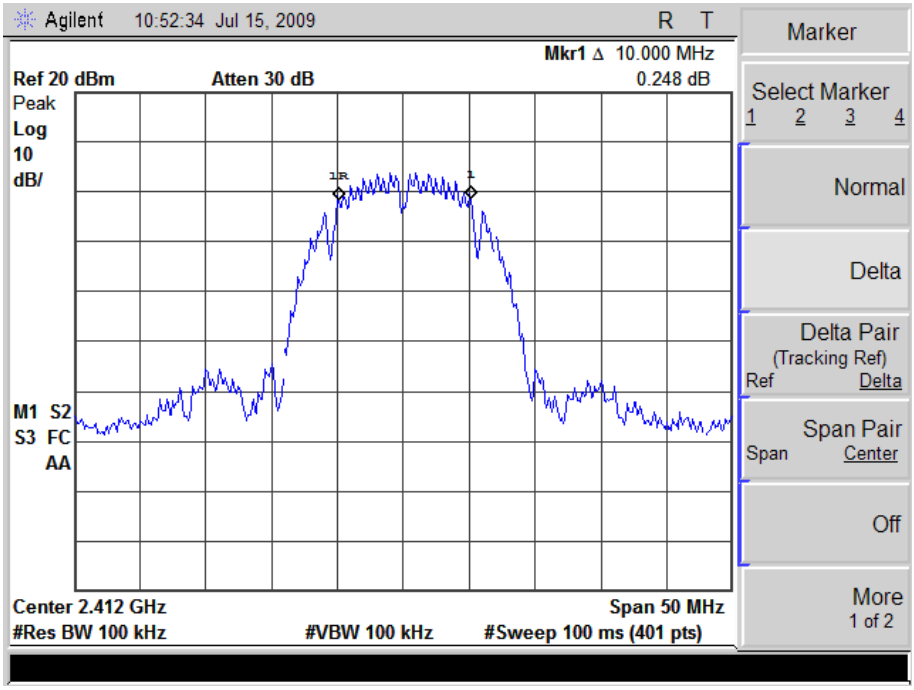
5.4 Test Result

802.11b		
Frequency (MHz)	Min. 6dB Bandwidth (MHz)	Required Limit
2412	10.000	> 500 KHz
2437	10.125	> 500 KHz
2462	10.375	> 500 KHz

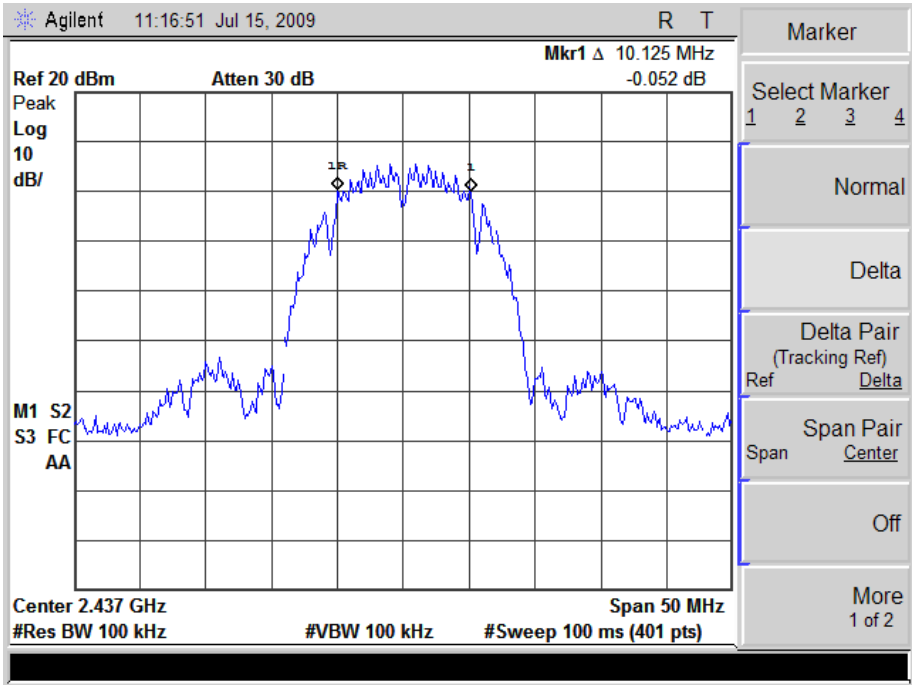
802.11g		
Frequency (MHz)	Min. 6dB Bandwidth (MHz)	Required Limit
2412	16.375	> 500 KHz
2437	16.375	> 500 KHz
2462	16.250	> 500 KHz

5.5 Test Graphs

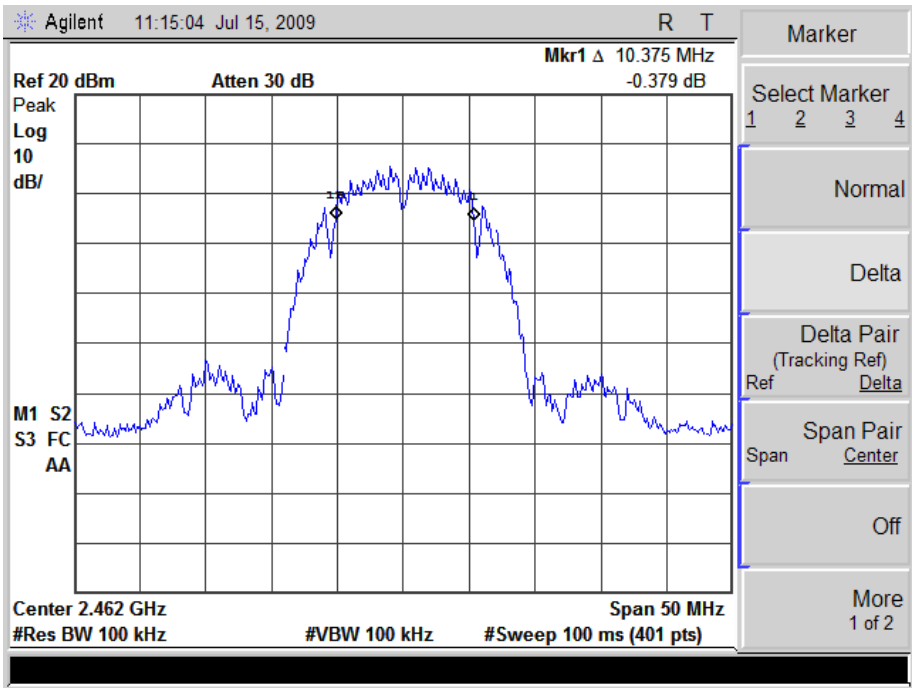
802.11b (2412MHz)



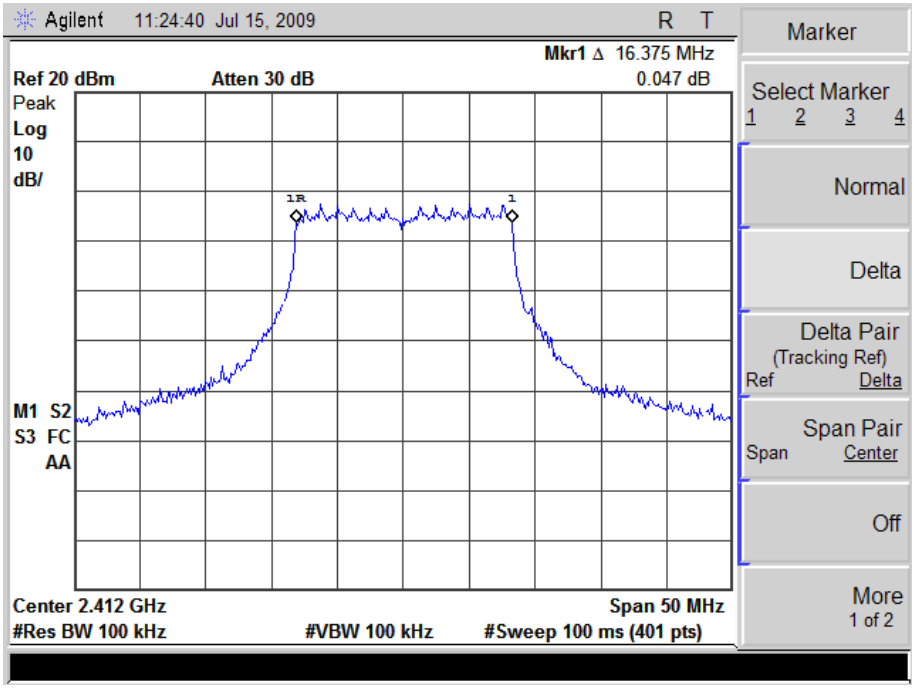
802.11b (2437MHz)



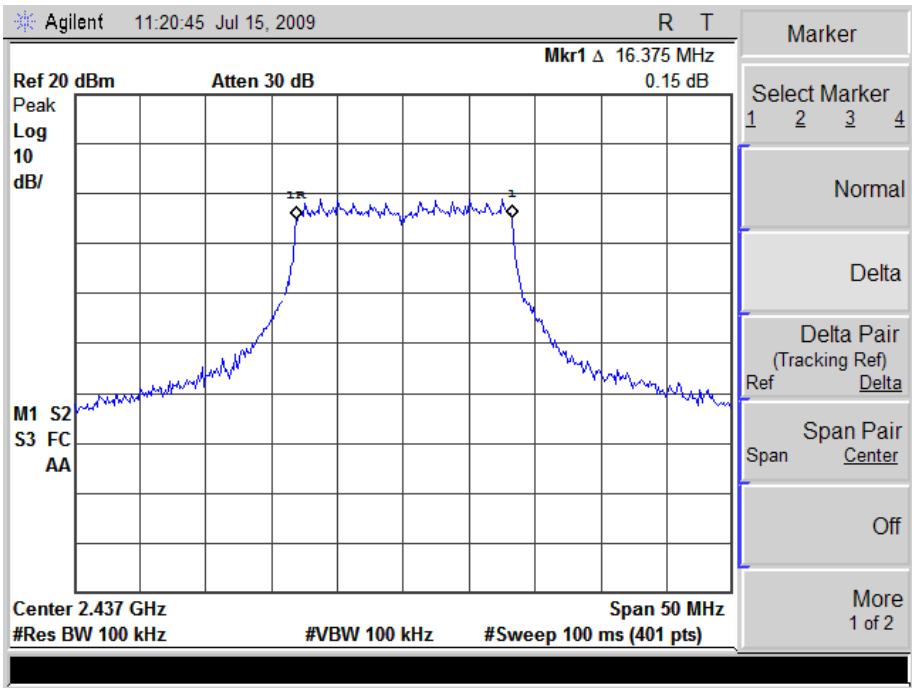
802.11b (2462MHz)



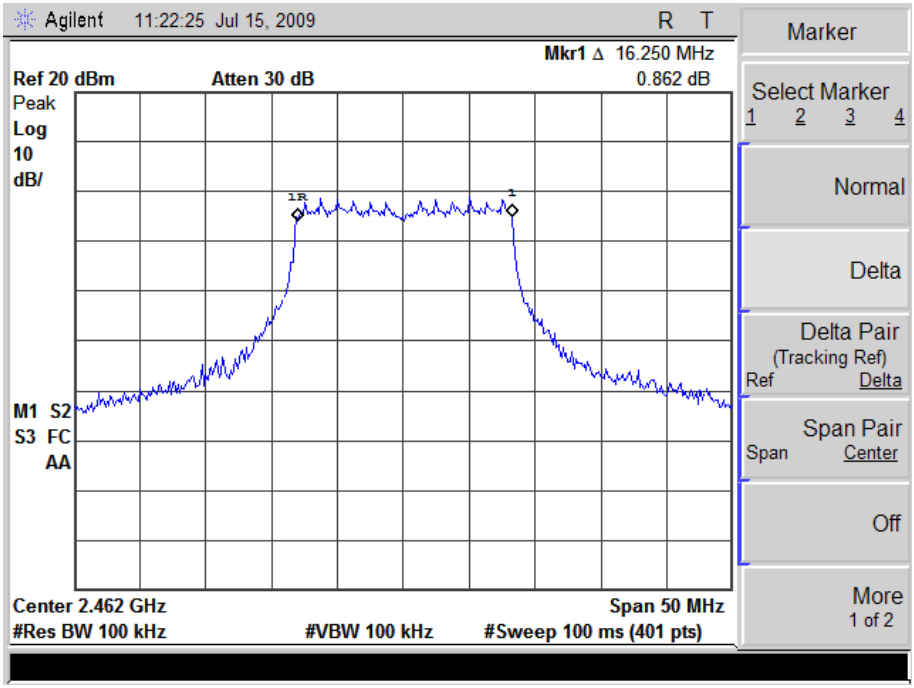
802.11g (2412MHz)



802.11g (2437MHz)



802.11g (2462MHz)



6. Maximum Power Density Requirements

6.1 Test Condition & Setup

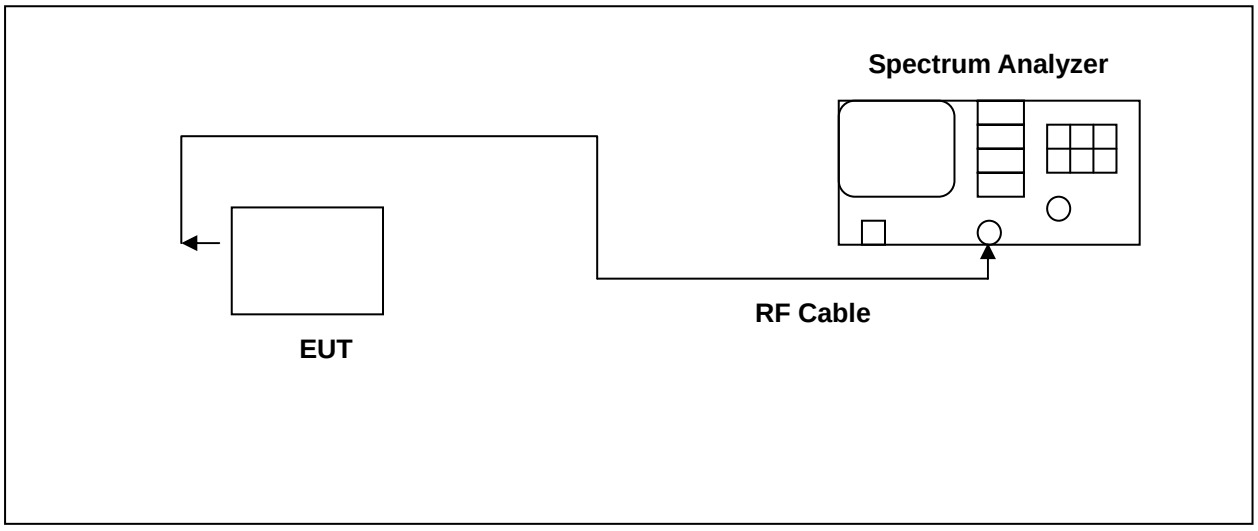
The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The spectrum analyzer RES BW was set to 3 kHz. The START and STOP frequencies were set to the band edges of the maximum output pass band. If there is no clear maximum amplitude in any given portion of the band, it may be necessary to make measurements at a number of bands defined by several START and STOP frequency pairs. The specification calls for a 1 second interval at each 3 kHz bandwidth; total SWEEP TIME is calculated as follows:

SWEEP TIME (SEC) = (Fstop, kHz - Fstart, kHz)/3 kHz

Antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.

6.2 Test Configuration



6.3 Test Equipment List

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	Dec. 22, 2008	Dec. 22, 2009

6.4 Test Result

802.11b		
Frequency (MHz)	**Power Density (dBm)**	**Required Limit**
2412	**-2.993**	**< 8 dBm**
2437	**-1.745**	**< 8 dBm**
2462	**-1.889**	**< 8 dBm**

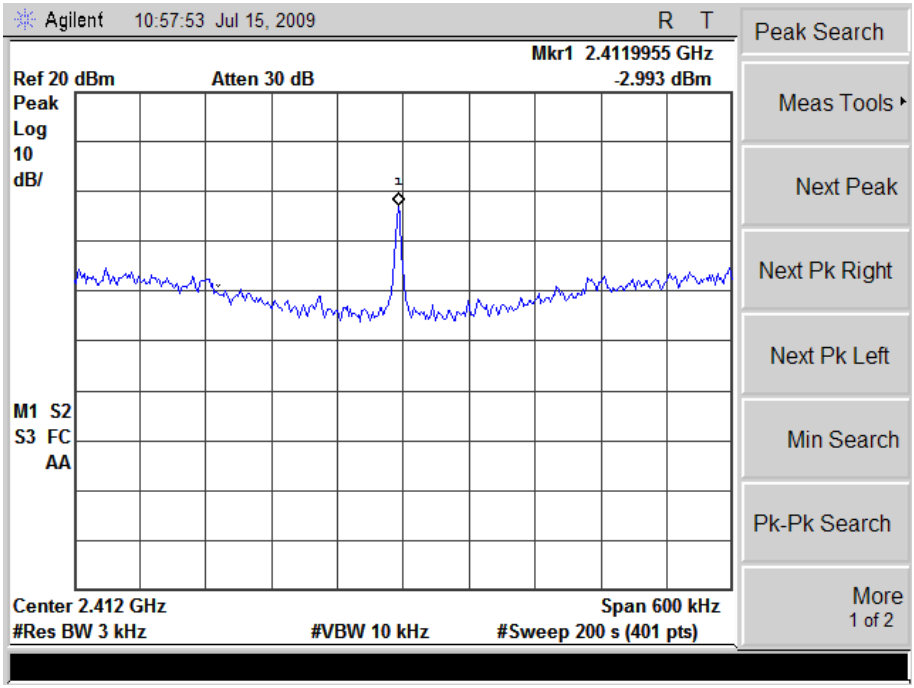
802.11b		
Frequency (MHz)	**Power Density (dBm)**	**Required Limit**
2412	**-8.775**	**< 8 dBm**
2437	**-8.172**	**< 8 dBm**
2462	**-7.925**	**< 8 dBm**

Note:

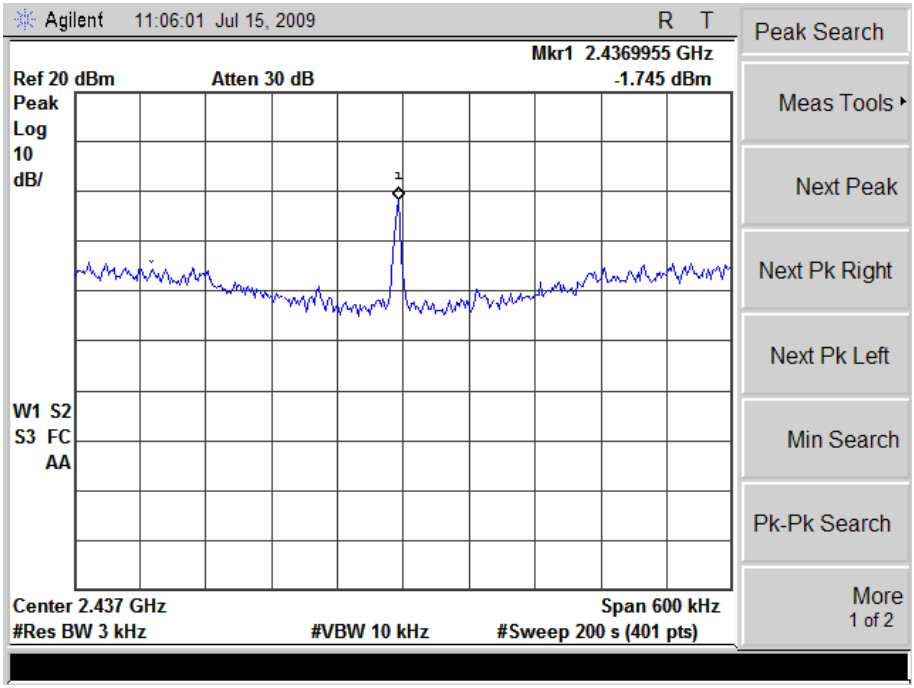
1. Frequency Span= 600 kHz
2. Sweep Time = Frequency Span/3 kHz=200secs
3. Test Graphs See next page.

6.5 Test Graphs

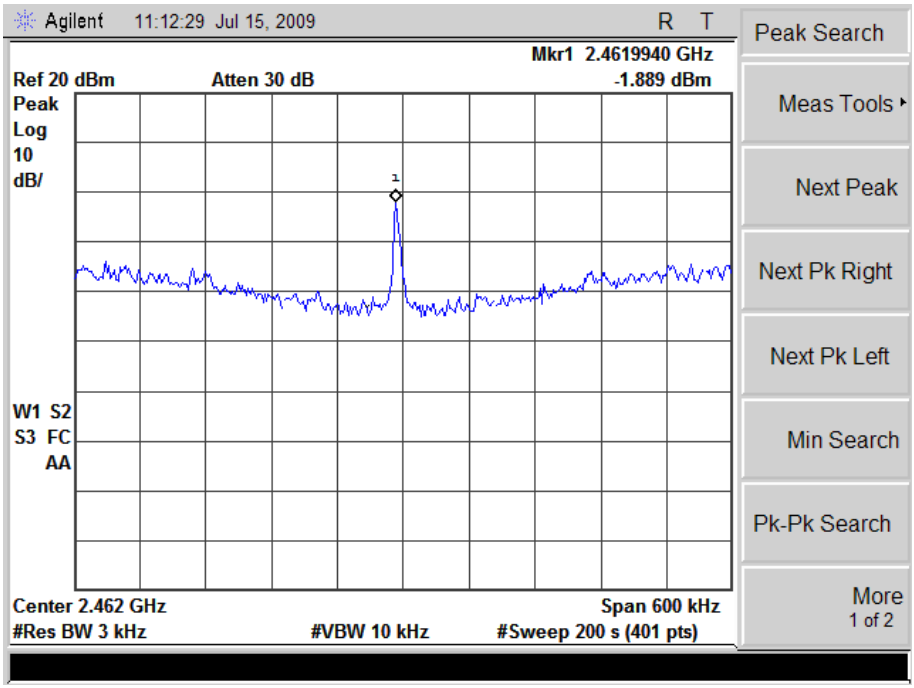
802.11b (2412MHz)



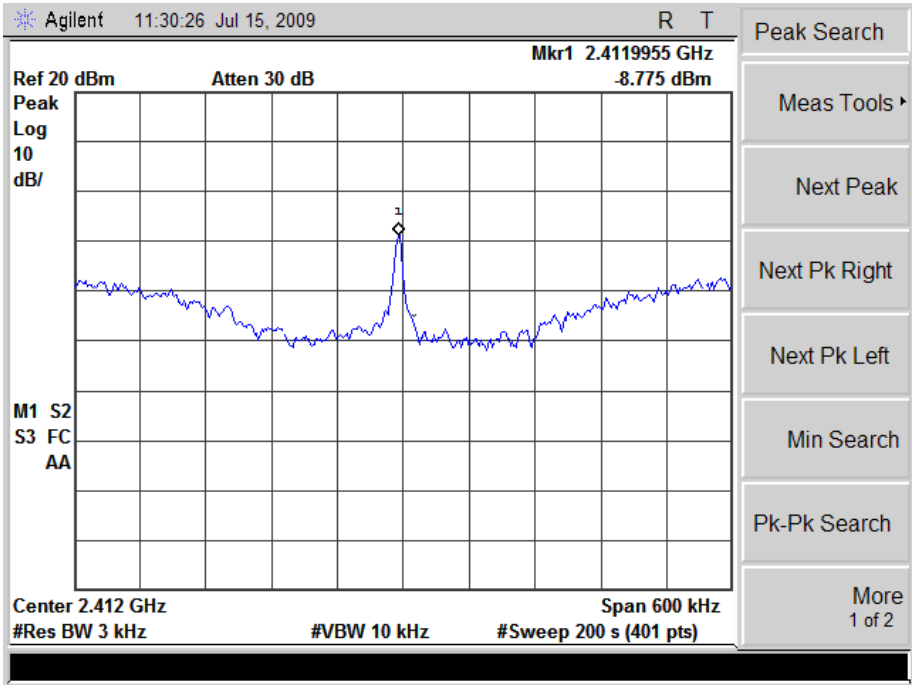
802.11b (2437MHz)



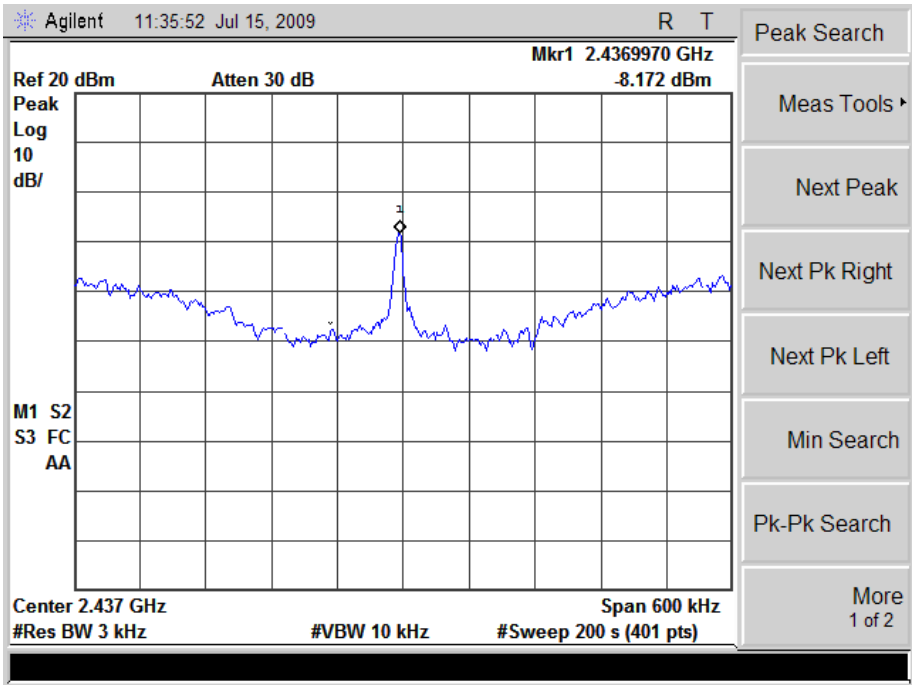
802.11b (2462MHz)



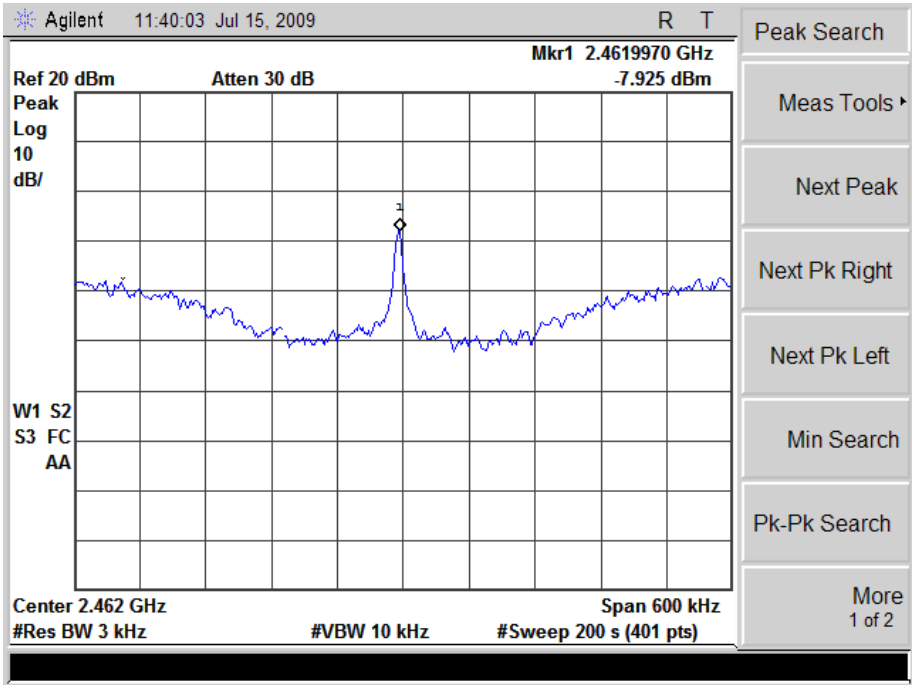
802.11g (2412MHz)



802.11g (2437MHz)



802.11g (2462MHz)



7. Out of Band Conducted Emissions Requirements

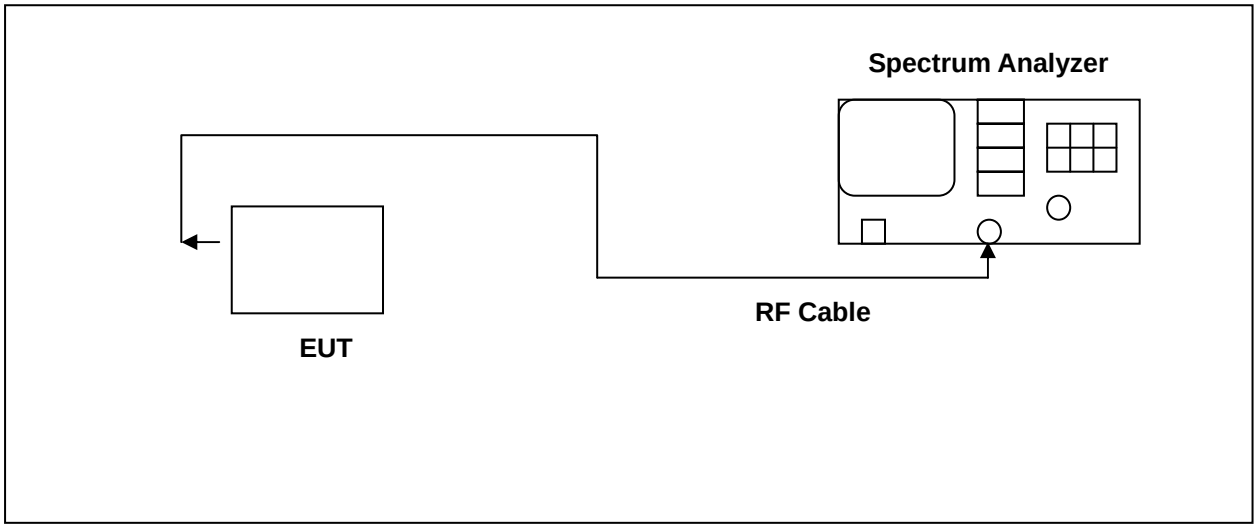
7.1 Test Condition & Setup

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

In any 100 kHz bandwidth outside the EUT pass band, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20 dB below that of the maximum in-band 100 kHz emission, antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.

All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the pass band. The test was performed at 3 channels (Channel 1, 6, 11)

7.2 Test Configuration



7.3 Test Equipment List

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	Dec. 22, 2008	Dec. 22, 2009

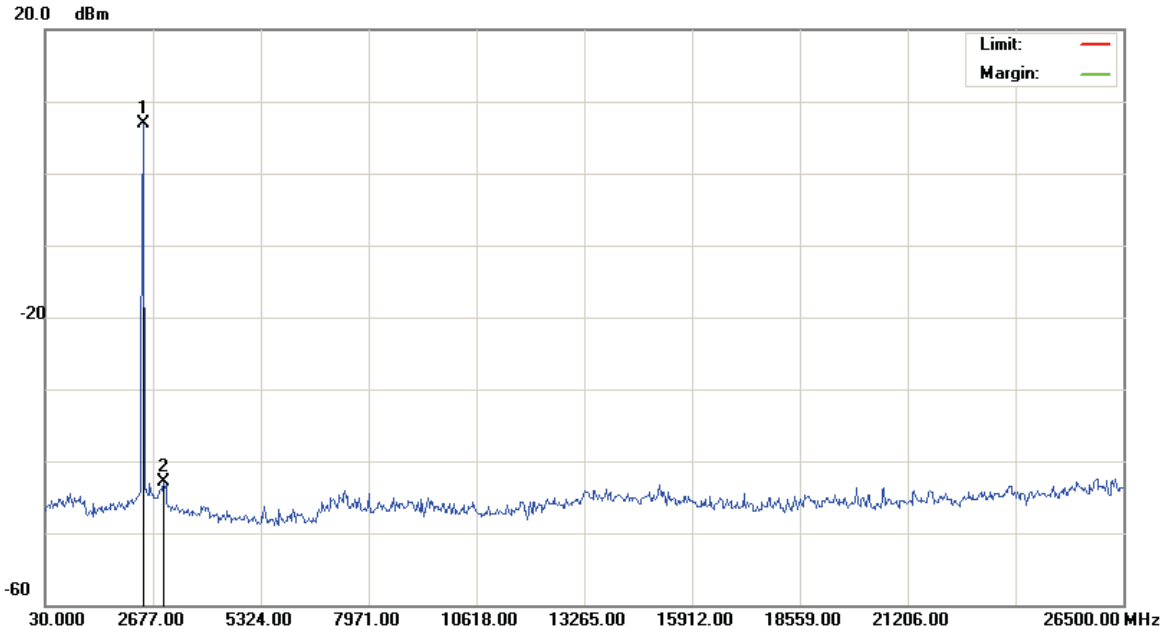
7.4 Test Result

Refer to attached data sheets. Data shows out of band emissions are suppressed well below the -20 dBc minimum required by the Rules.

Applicant : Dell Inc.
Model No : V02B
EUT : GSM/GPRS/UMTS Mobile Phone
Test Mode : Wi-Fi 802.11b Link Mode
Test Date : 07/15/2009

Please refer to next page of detail testing data.

File :(11b)(20dB) Data :#13 Date: 2009/7/15 Time:



Site site #1 Polarization: Temperature: 26 ℃

Limit: Power: Humidity: 55 %

EUT: Distance:

M/N: 09-0187-E

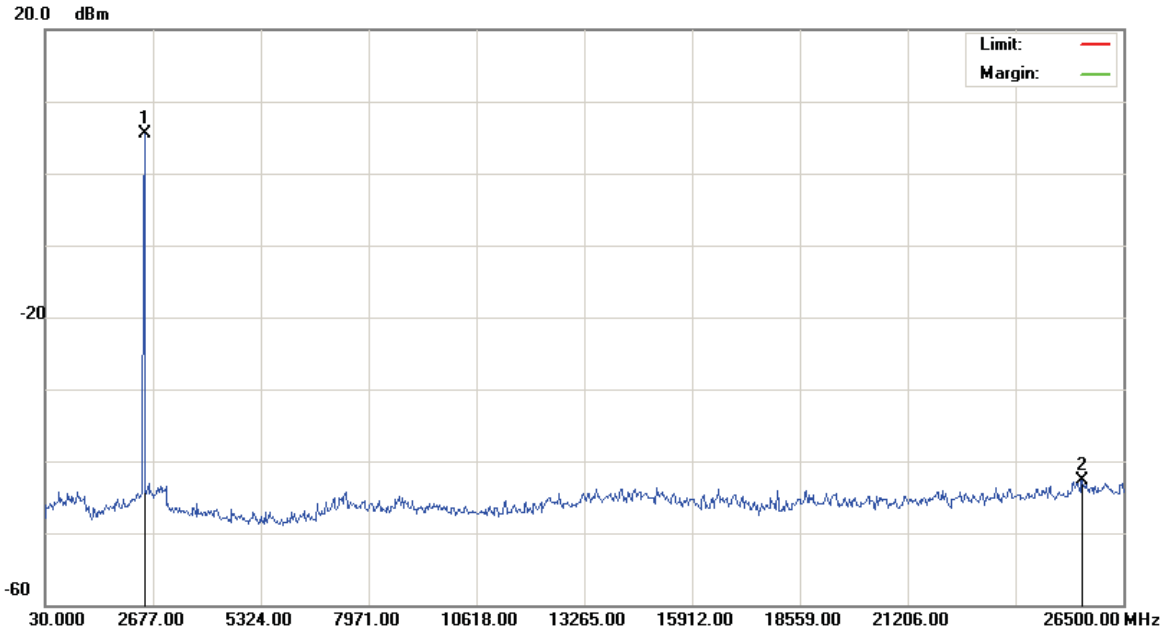
Mode: Wifi(11b)

Note: CH01(2412)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2417.500	6.81	0.00	6.81			peak			
2		2935.000	-42.93	0.00	-42.93			peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :(11b)(20dB) Data :#14 Date: 2009/7/15 Time:



Site site #1
Limit:
EUT:
M/N: 09-0187-E
Mode: Wifi(11b)
Note: CH06(2437)

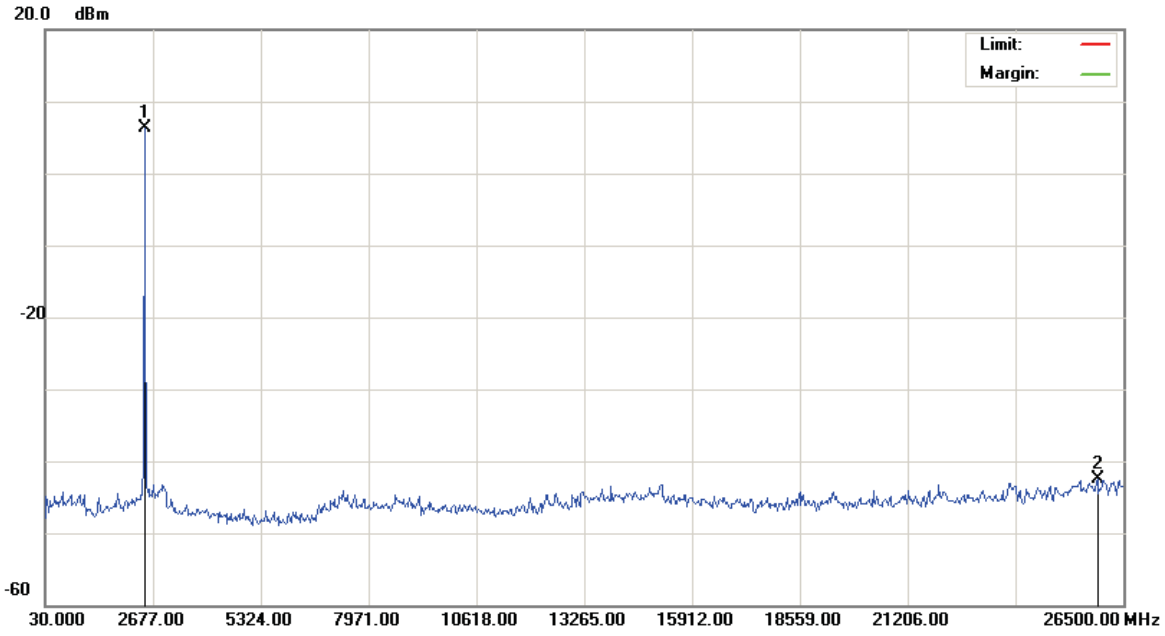
Polarization:
Power:
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2440.000	5.41	0.00	5.41			peak			
2		25468.75	-42.62	0.00	-42.62			peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :(11b)(20dB) Data :#15 Date: 2009/7/15 Time:



Site site #1 Polarization: Temperature: 26 ℃

Limit: Power: Humidity: 55 %

EUT: Distance:

M/N: 09-0187-E

Mode: Wifi(11b)

Note: CH11(2462)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2462.500	6.38	0.00	6.38			peak			
2		25840.00	-42.58	0.00	-42.58			peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

Applicant : Dell Inc.

Model No : V02B

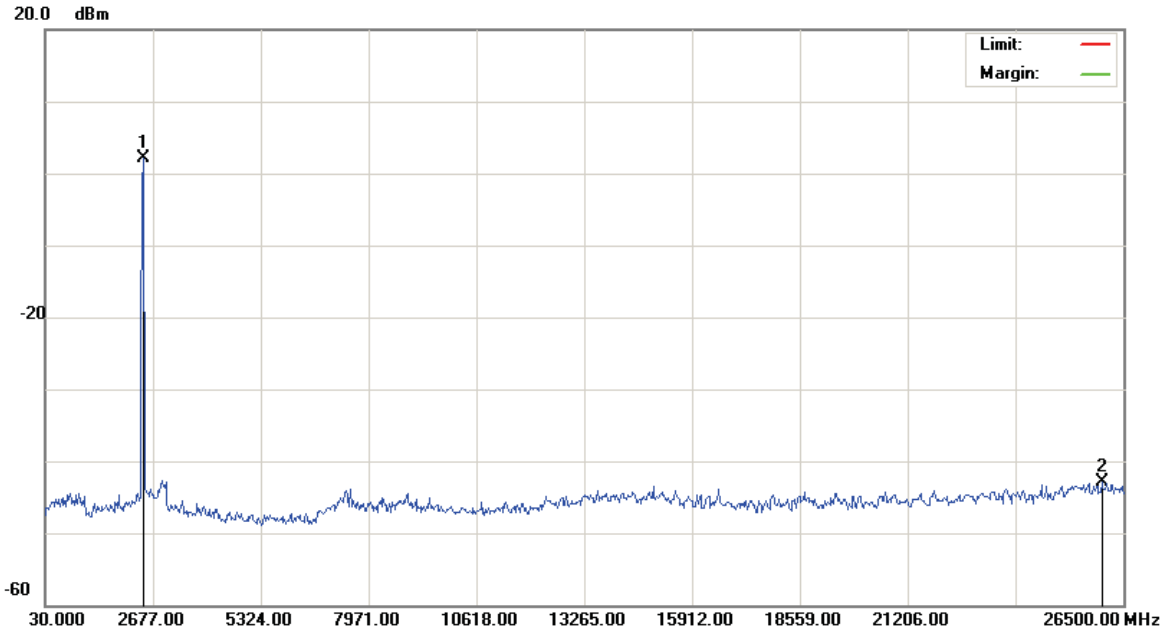
EUT : GSM/GPRS/UMTS Mobile Phone

Test Mode : Wi-Fi 802.11g Link Mode

Test Date : 07/15/2009

Please refer to next page of detail testing data.

File :(11g)(20dB) Data :#13 Date: 2009/7/15 Time:



Site site #1 Polarization: Temperature: 26 ℃

Limit: Power: Humidity: 55 %

EUT: Distance:

M/N: 09-0187-E

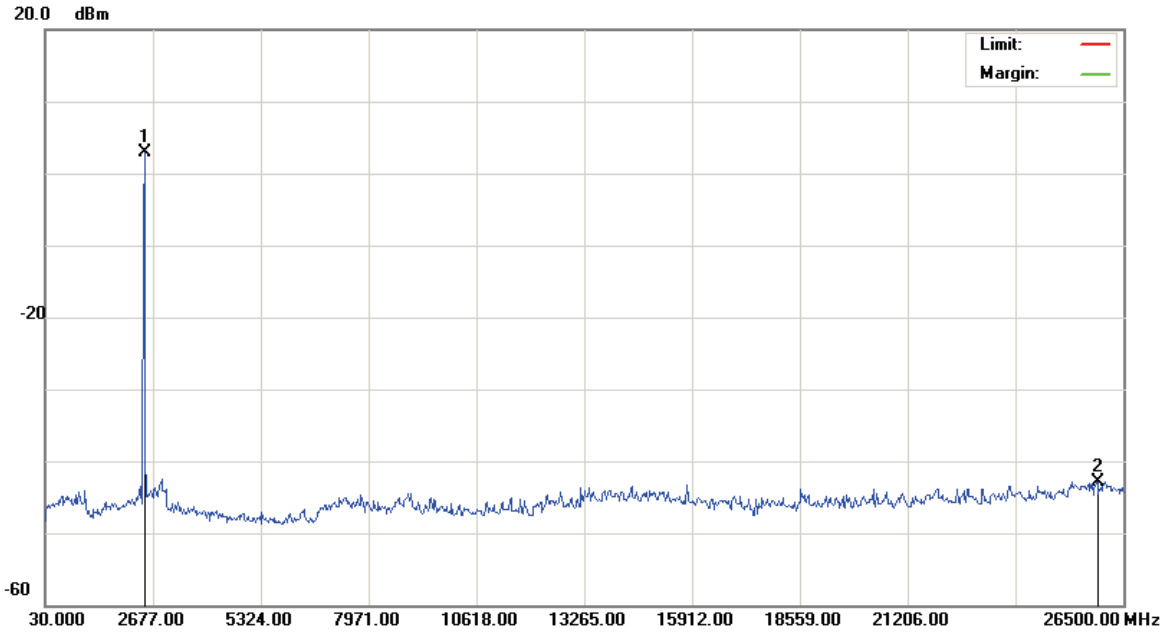
Mode: Wifi(11g)

Note: CH01(2412)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2417.500	2.16	0.00	2.16			peak			
2		25963.75	-42.86	0.00	-42.86			peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :(11g)(20dB) Data :#14 Date: 2009/7/15 Time:



Site site #1
Limit:
EUT:
M/N: 09-0187-E
Mode: Wifi(11g)
Note: CH06(2437)

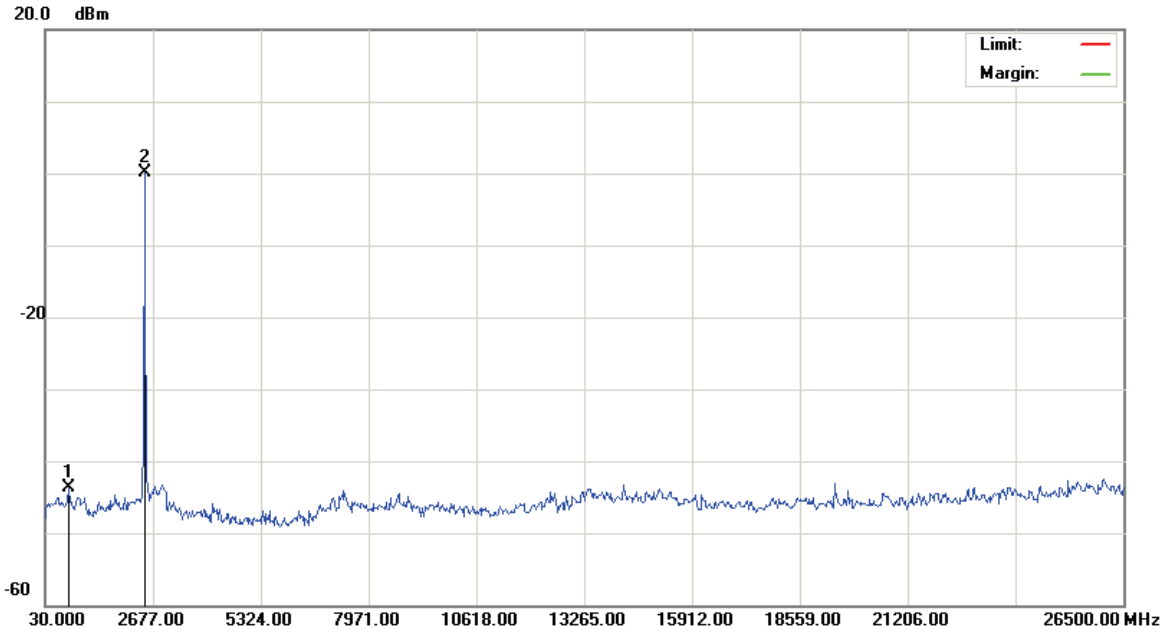
Polarization:
Power:
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1	*	2440.000	2.88	0.00	2.88			peak			
2		25840.00	-42.81	0.00	-42.81			peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :(11g)(20dB) Data :#15 Date: 2009/7/15 Time:



Site site #1
Limit:
EUT:
M/N: 09-0187-E
Mode: Wifi(11g)
Note: CH11(2462)

Polarization:
Power:
Distance:

Temperature: 26 ℃
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree	Comment
1		592.6000	-43.72	0.00	-43.72			peak			
2	*	2462.500	0.17	0.00	0.17			peak			

*:Maximum data x:Over limit !:over margin ●Reference Only

8. Band Edges Requirements

8.1 Test Condition & Setup

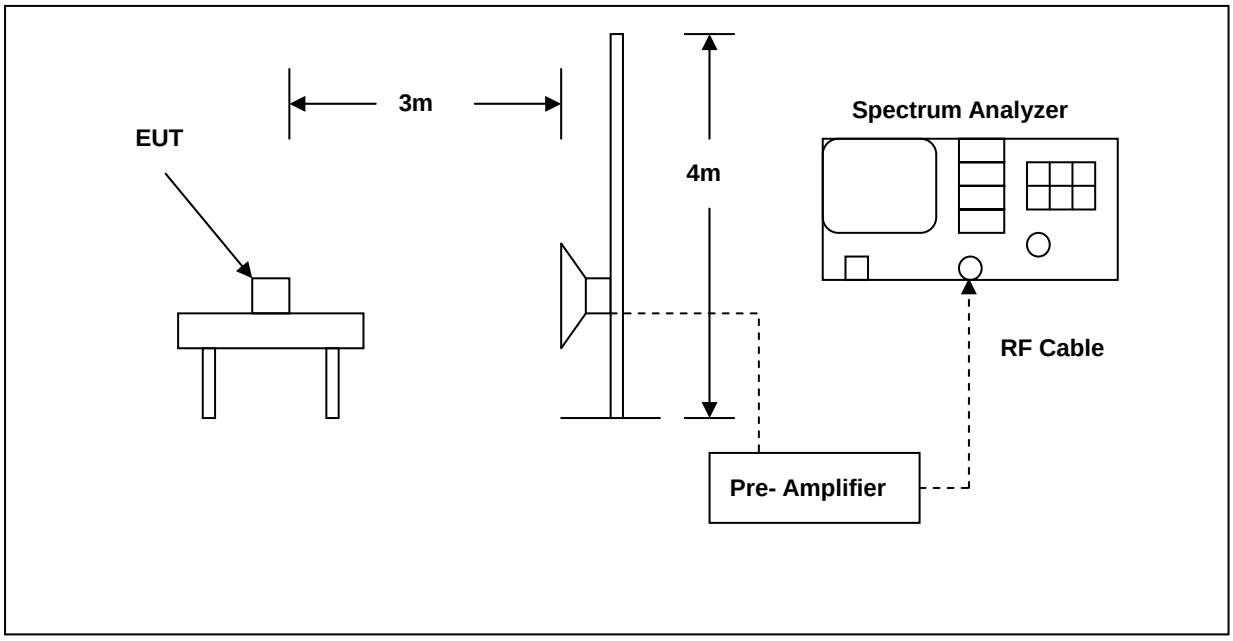
The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The emissions on the harmonics frequencies, the limits, and the margin of compliance are presented. These tests were made when the transmitter was in full radiated power. The additional test was performed to show compliance with the requirement at the band-edge frequency 2483.5 MHz and up to 2500 MHz and at 2390.0 MHz.

The transmitter was configured with the worst case antenna and setup to transmit at the highest channel. Then the field strength was measured at 2483.5 MHz.

The transmitter was then configured with the worst case antenna and setup to transmit at the lowest channel. Then the field strength was measured at 2390.0 MHz. These tests were performed at 4 different bit rates.

8.2 Test Configuration



8.3 Test Equipment List

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4408B	MY45107753	Jun. 08, 2009	Jun. 08, 2010
Pre Amplifier	Agilent	8449B	3008A02237	Jun. 08, 2009	Jun. 08, 2010
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	Jun. 26, 2008	Jun. 26, 2009

8.4 Test Result

Applicant : Dell Inc.

Model No : V02B

EUT : GSM/GPRS/UMTS Mobile Phone

Test Mode : 802.11b Low CH & High CH

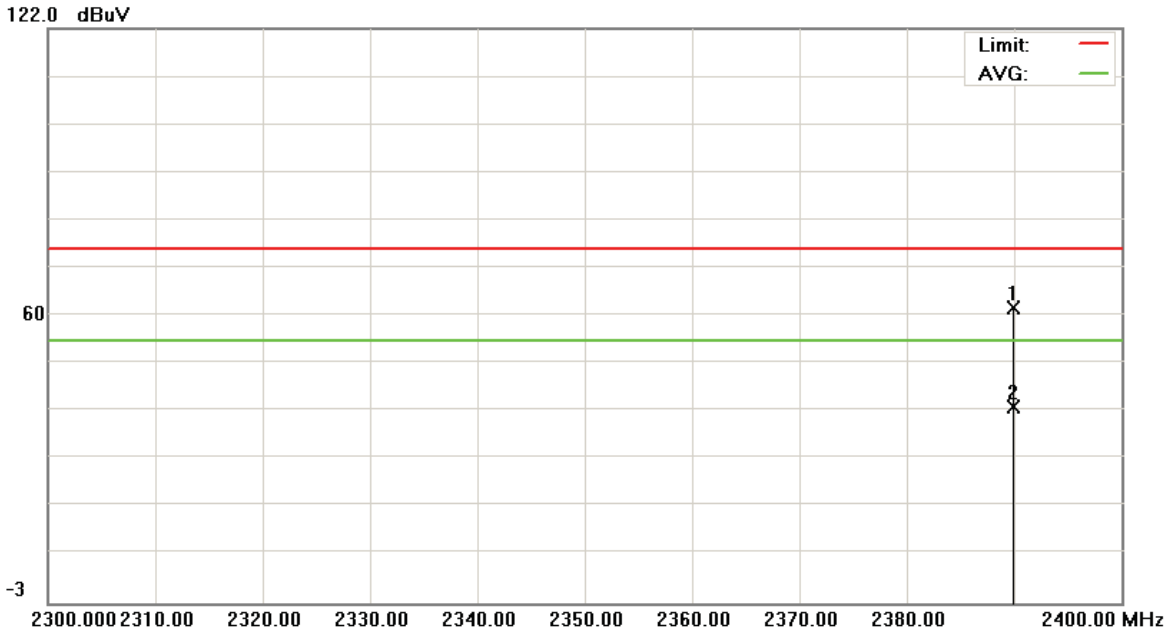
Test Date : 07/14/2009

Test Graphs See next page.

Notes:

1. Margin= Amplitude - Limits
2. Height of table for EUT placed: 0.8 Meter.
3. ANT= Antenna height.
4. Duty= Duty cycle correction factor.
5. Dis= Distance extrapolation factor.
6. Amplitude= Reading Amplitude – Amplifier gain + Cable loss + Antenna factor (Auto calculate in spectrum analyzer)
7. Actual Amp= Amplitude – Duty – Dis.

File :Blaze(BAND EDGE) Data :#9 Date: 2009/7/14 Time: 下午 11:15:42

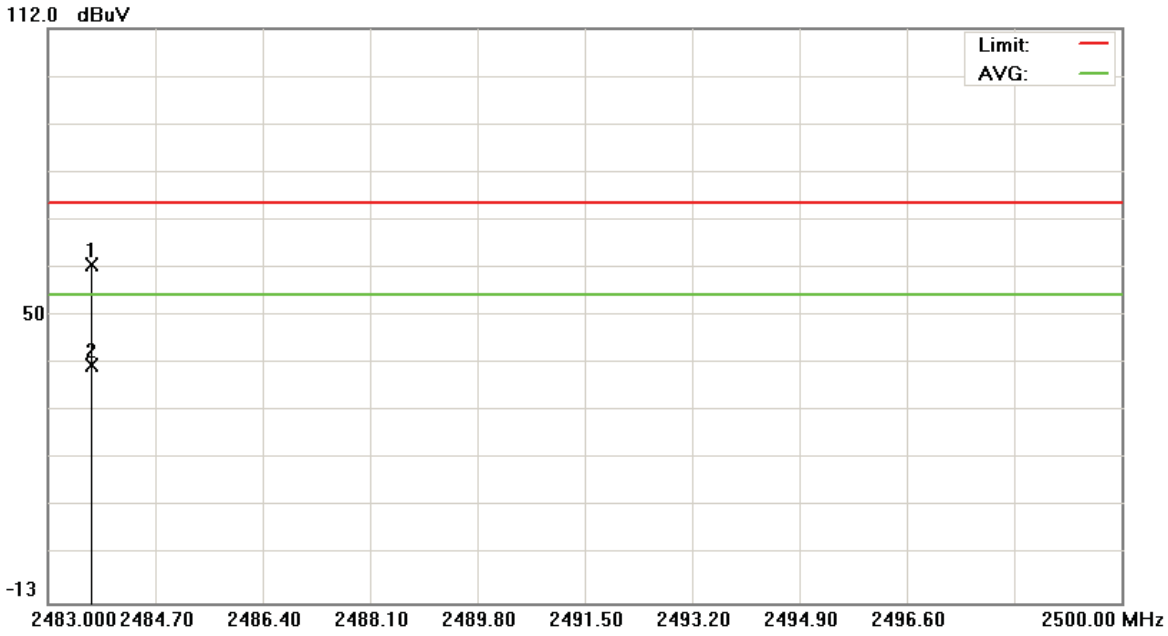


Site	Polarization: *Vertical*	Temperature: 22 ℃
Limit: FCC part 15 (PK)	Power:	Humidity: 60 %
EUT:	Distance: 3m	
M/N: 09-0187-SEO		
Mode: BAND EDGE		
Note: CH01(2412MHz)，Antenna142cm		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	2389.900	61.05	0.16	61.21	74.00	-12.79	peak			
2		2389.900	39.60	0.16	39.76	54.00	-14.24	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(BAND EDGE) Data :#10 Date: 2009/7/14 Time: 下午 11:36:58



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: BAND EDGE
Note: CH11(2412MHz)，Antenna142cm

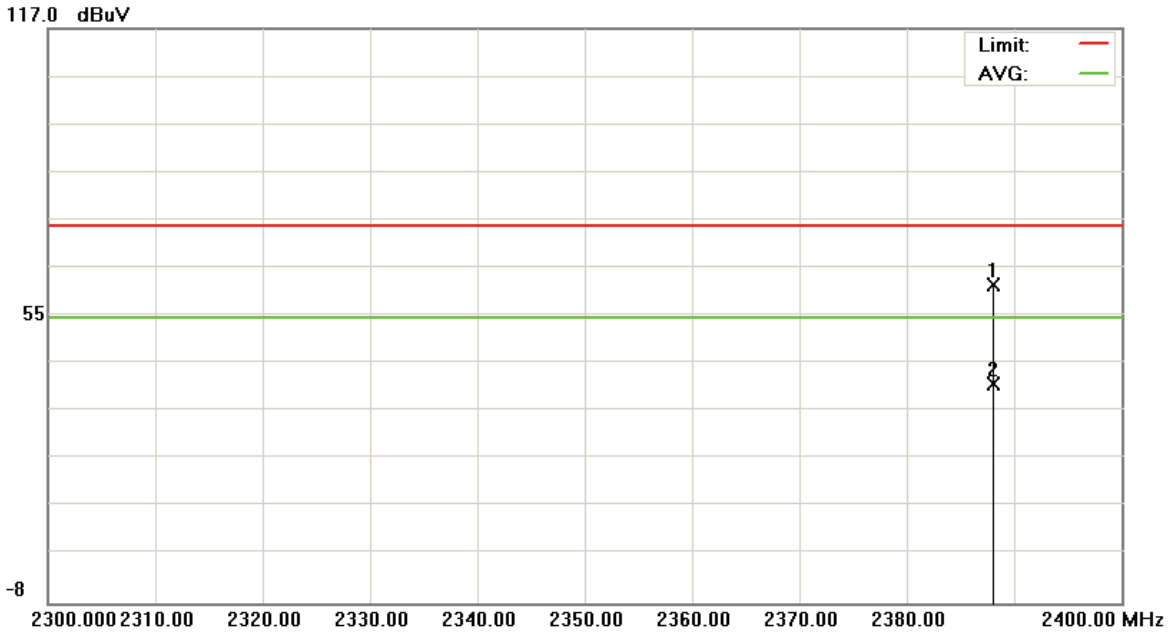
Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	2483.680	60.73	0.00	60.73	74.00	-13.27	peak			
2		2483.680	38.80	0.00	38.80	54.00	-15.20	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(BAND EDGE) Data :#11 Date: 2009/7/14 Time: 下午 11:24:33



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: BAND EDGE
Note: CH01(2412MHz)，Antenna100cm

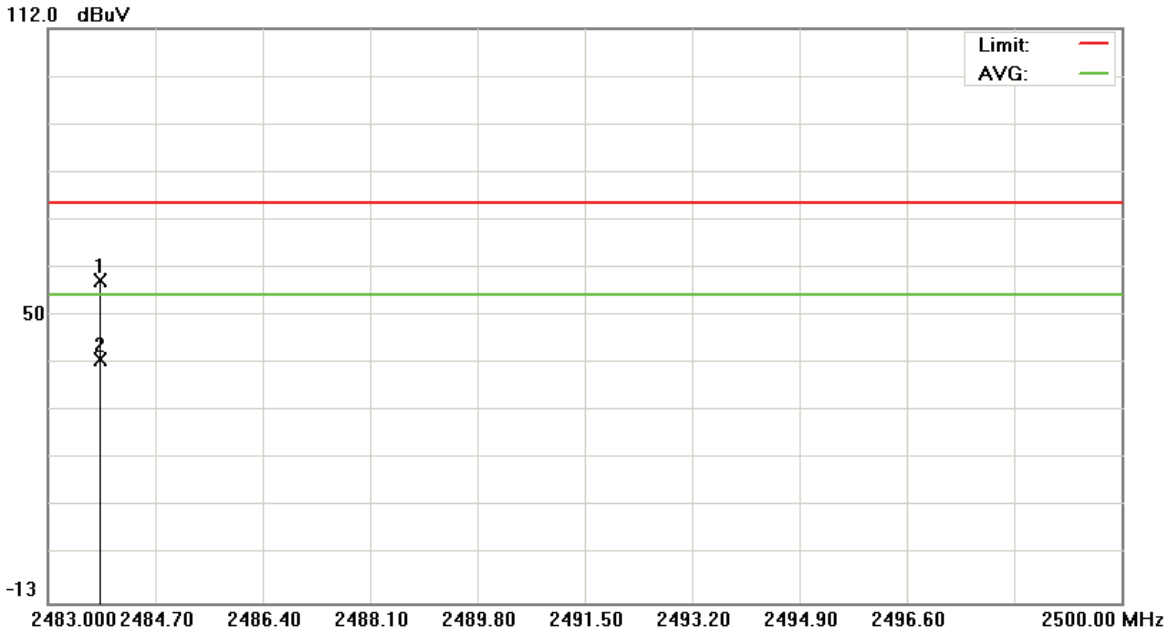
Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	2388.100	61.18	0.00	61.18	74.00	-12.82	peak			
2		2388.100	39.61	0.00	39.61	54.00	-14.39	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(BAND EDGE) Data :#12 Date: 2009/7/14 Time: 下午 11:43:16



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: BAND EDGE
Note: CH11(2462MHz)，Antenna100cm

Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		2483.833	56.81	0.25	57.06	74.00	-16.94	peak			
2	*	2483.833	39.57	0.25	39.82	54.00	-14.18	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

Applicant : Dell Inc.

Model No : V02B

EUT : GSM/GPRS/UMTS Mobile Phone

Test Mode : 802.11g Low CH & High CH

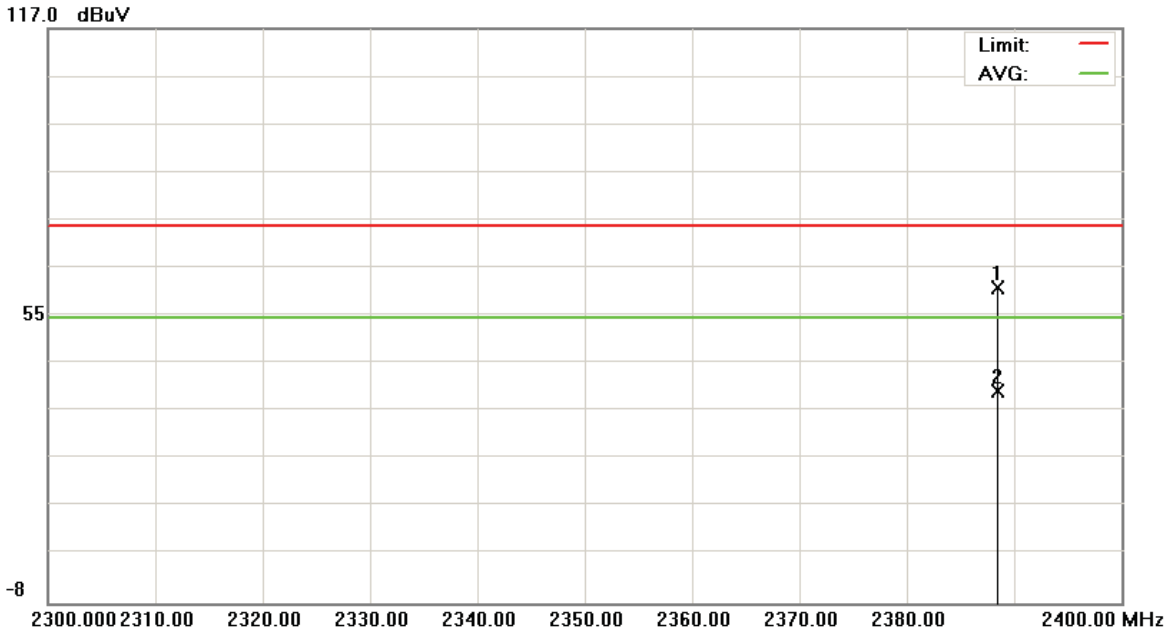
Test Date : 07/15/2009

Test Graphs See next page.

Notes:

1. Margin= Amplitude - Limits
2. Height of table for EUT placed: 0.8 Meter.
3. ANT= Antenna height.
4. Duty= Duty cycle correction factor.
5. Dis= Distance extrapolation factor.
6. Amplitude= Reading Amplitude – Amplifier gain + Cable loss + Antenna factor (Auto calculate in spectrum analyzer)
7. Actual Amp= Amplitude – Duty – Dis.

File :Blaze(BAND EDGE) Data :#9 Date: 2009/7/15 Time: 上午 02:03:50



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: BAND EDGE
Note: CH01(2412MHz)，Antenna100cm

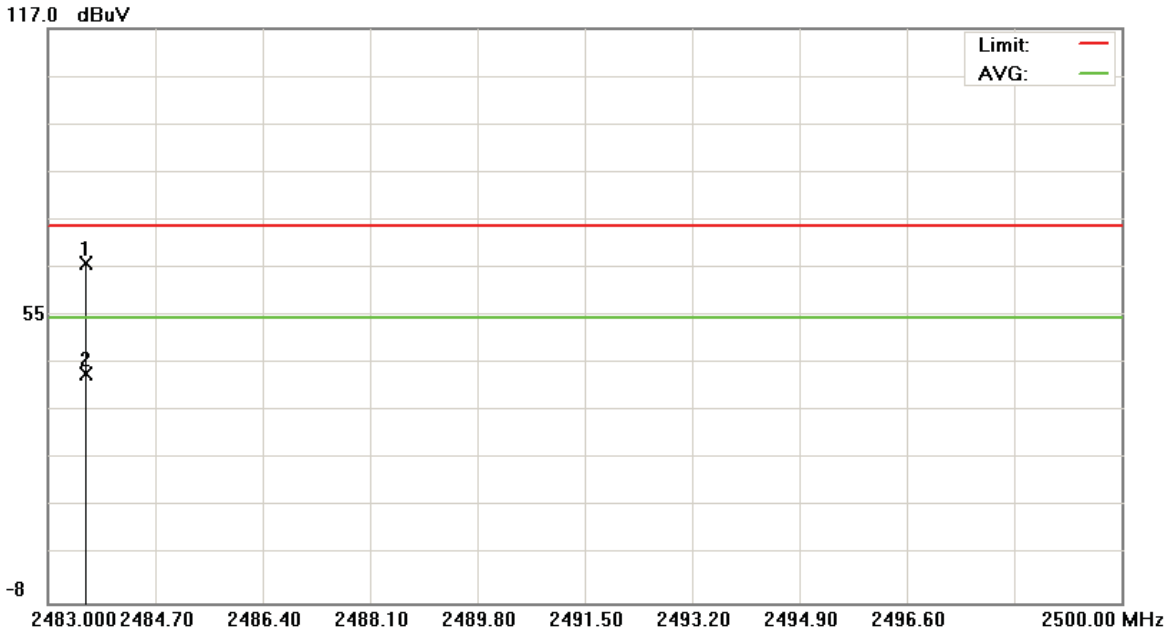
Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	2388.500	60.46	0.15	60.61	74.00	-13.39	peak			
2		2388.500	38.05	0.15	38.20	54.00	-15.80	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(BAND EDGE) Data :#10 Date: 2009/7/15 Time: 上午 02:15:51



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: BAND EDGE
Note: CH11(2462MHz)，Antenna100cm

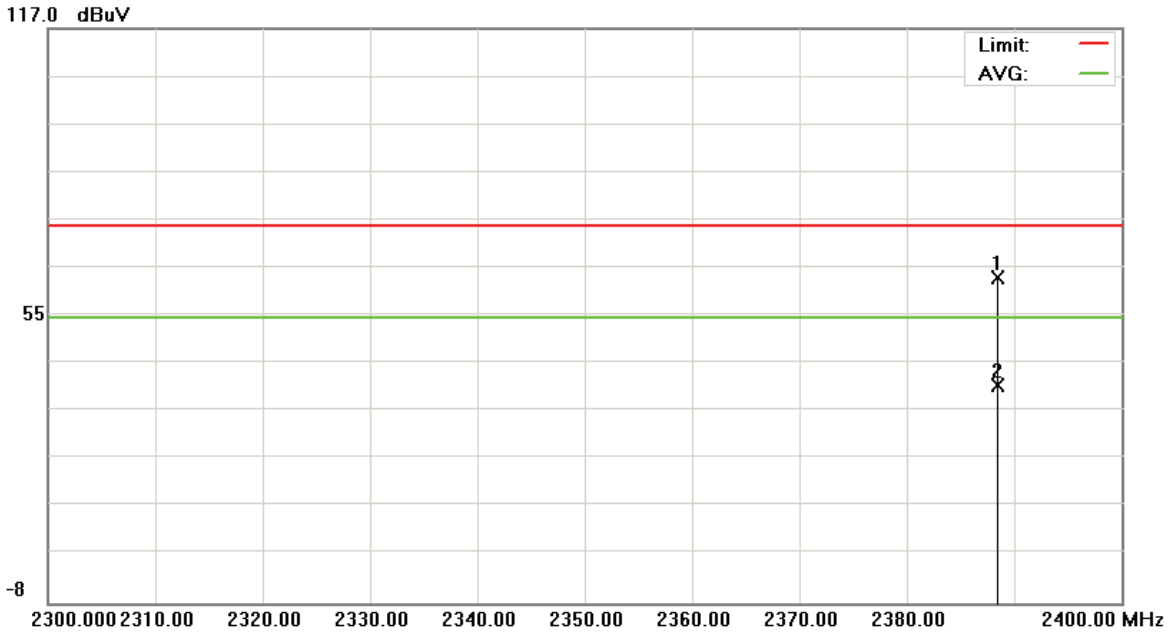
Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	2483.595	65.94	0.00	65.94	74.00	-8.06	peak			
2		2483.595	41.88	0.00	41.88	54.00	-12.12	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(BAND EDGE) Data :#11 Date: 2009/7/15 Time: 上午 02:09:08



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: BAND EDGE
Note: CH01(2412MHz)，Antenna100cm

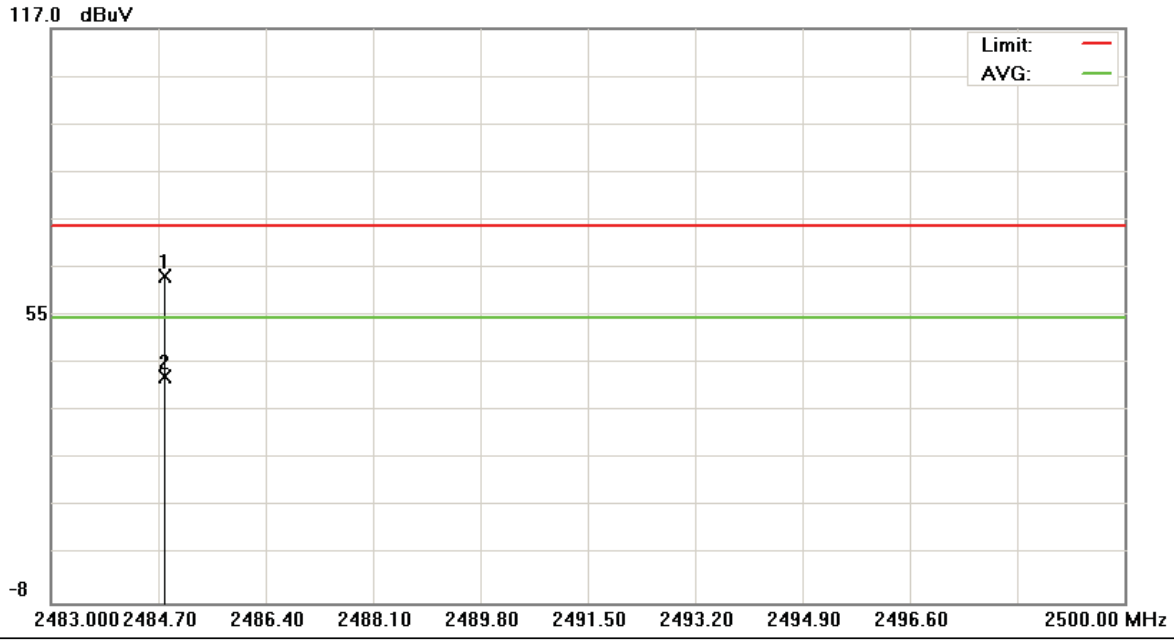
Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	2388.500	62.75	0.15	62.90	74.00	-11.10	peak			
2		2388.500	39.34	0.15	39.49	54.00	-14.51	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

File :Blaze(BAND EDGE) Data :#12 Date: 2009/7/15 Time: 上午 02:20:32



Site
Limit: FCC part 15 (PK)
EUT:
M/N: 09-0187-SEO
Mode: BAND EDGE
Note: CH11(2462MHz)，Antenna100cm

Polarization: ***Horizontal***
Power:
Distance: 3m

Temperature: 22 ℃
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	2484.802	62.69	0.25	62.94	74.00	-11.06	peak			
2		2484.802	40.93	0.25	41.18	54.00	-12.82	AVG			

*:Maximum data x:Over limit !:over margin ●Reference Only

9. Antenna Requirements

9.1 Standard Applicable

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.2 Antenna Connector Construction

The antenna used in this product is Planar Inverted-F Antenna. And the maximum Gain of this antenna is only **-4.5** dBi.