



A Test Lab Techno Corp.

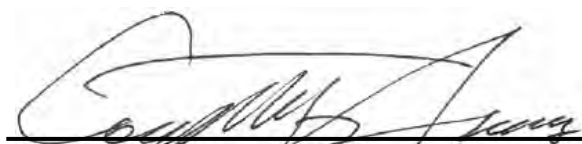
No.140-1, Chang-an St., Bade City, Tao-Yuan County 334, Taiwan (R.O.C.)
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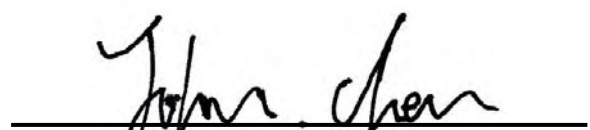
Part 15 C Measurement Report



Report No.	: 0809FR11
Applicant	: Inventec Corporation
Trade Mark	: velocitymobile
Product Model	: velocity 111
Product Type	: PDA PHONE
FCC ID	: DGIBC8121AABAB0
Dates of Test	: Jul. 31 ~ Sep. 02, 2008
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.
3. The measurement report has to be written approval of A Test Lab Techno Corp. It may only be reproduced or published in full.


Country Huang 20080908
Measurement Center Manager


John Cheng 20080908
Testing Engineer



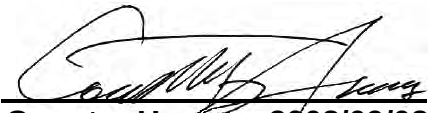
CERTIFICATION

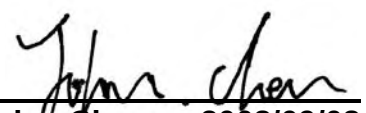
We here by verify that:

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 : PDA Phone
Applicant : Inventec Corporation
Inventec Building, 66 Hou-Kang Street, Shih-Lin District,
Taipei 11170, Taiwan
Model No : velocity 111
FCC ID : DGIBC8121AABAB0

Approved by : 
Country Huang 2008/09/08

Prepared by : 
John Cheng 2008/09/08

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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1. GENERAL

1.1 Description of Equipment under Test (EUT)

Applicant : **Inventec Corporation**
Inventec Building, 66 Hou-Kang Street, Shih-Lin District, Taipei 11170, Taiwan.

Manufacturer : Inventec Corporation
Manufacturer Address : Inventec Building, 66 Hou-Kang Street, Shih-Lin District, Taipei 11170, Taiwan.
Product Type : PDA PHONE
Trade Name : velocitymobile
Model Name : velocity 111
FCC ID : DGIBC8121AABAB0
Input Rating : 100 - 240VAC / 0.25A (AC Adapter)
Frequency of Channel : See Table 1
Type of Modulation : Direct Sequence Spread Spectrum
Type of Antenna : PIFA Chip Antenna

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.

802.11b/g Mode	
CH	Frequency
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

Table 1. WLAN Frequency of Each Channel (Working Frequency)



1.2 Introduction

The following measurement report is submitted on behalf of **Inventec Corporation** 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

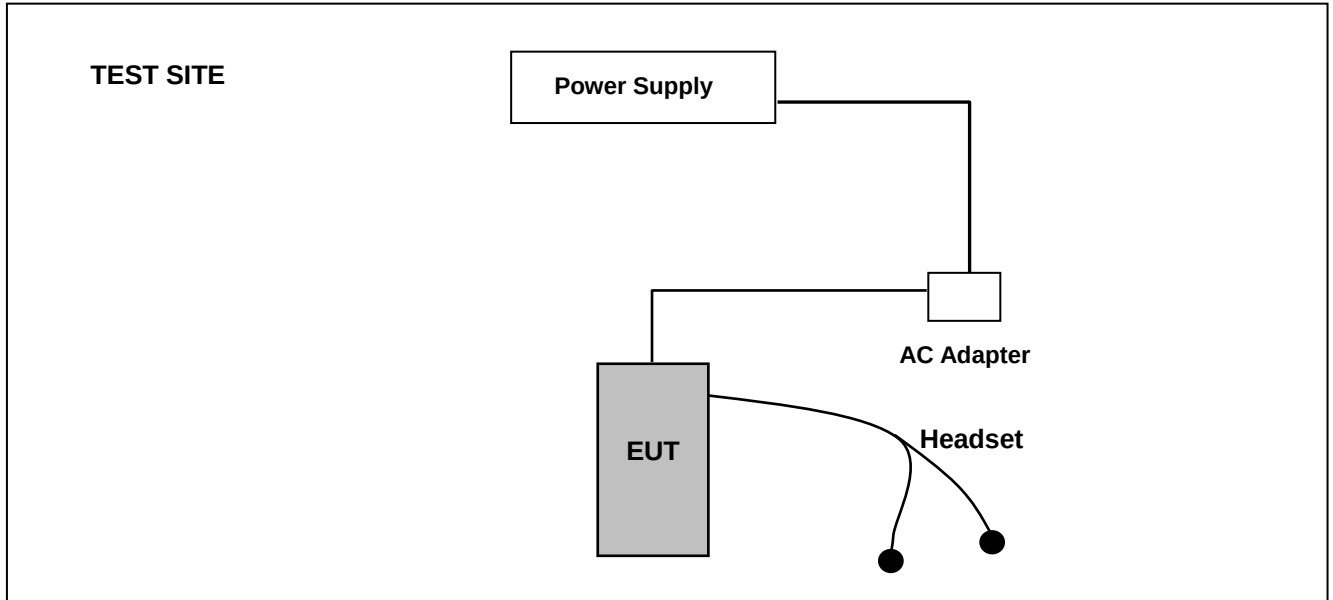
47 CFR Part 15 Subpart C			
Reference	Test	Results	Note
15.107	AC Power Conducted Emission	PASS	
15.247(c)	Transmitter Radiated Emissions	PASS	
15.247(b)	Max. Output Power	PASS	
15.247(a)(2)	6dB RF Bandwidth	PASS	
15.247(d)	Max. Power Density	PASS	
15.247(c)	Out of Band Conducted Spurious Emission	PASS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



1.4 Description of Support Equipment

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

1.5 Configuration of System under Test



During EMI testing (LINK) the EUT (PDA PHONE)'s Power port was connected to AC Adapter. EUT (PDA PHONE)'s ear port connected to headset.



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)	Power (dBm)
1	1	18.37
	5.5	18.31
	11	18.29
6	1	18.69
	5.5	18.64
	11	18.61
11	1	17.52
	5.5	17.50
	11	17.46

802.11g		
Channel	Data Rate (Mbps)	Power (dBm)
1	6	18.39
	24	18.33
	54	18.30
6	6	18.29
	24	18.25
	54	18.22
11	6	17.75
	24	17.71
	54	17.68



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 Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Advantest	R3132	160300103	Mar. 06, 2008	Mar. 06, 2009
Test Receiver	R&S	ESCI	100367	May. 23, 2007	May. 23, 2008
LISN	EMCO	3816/2 SH	00060110	Jun. 04, 2008	Jun. 04, 2009
LISN	EMCO	3816/2 SH	00060111	Jun. 30, 2008	Jun. 13, 2009
Transient Limiter	ELECTRO-METRICS	EM-7600	777	Jun. 26, 2008	Jun. 26, 2009

2.3 Test Configuration:



Figure 1. Front View of the Test Configuration

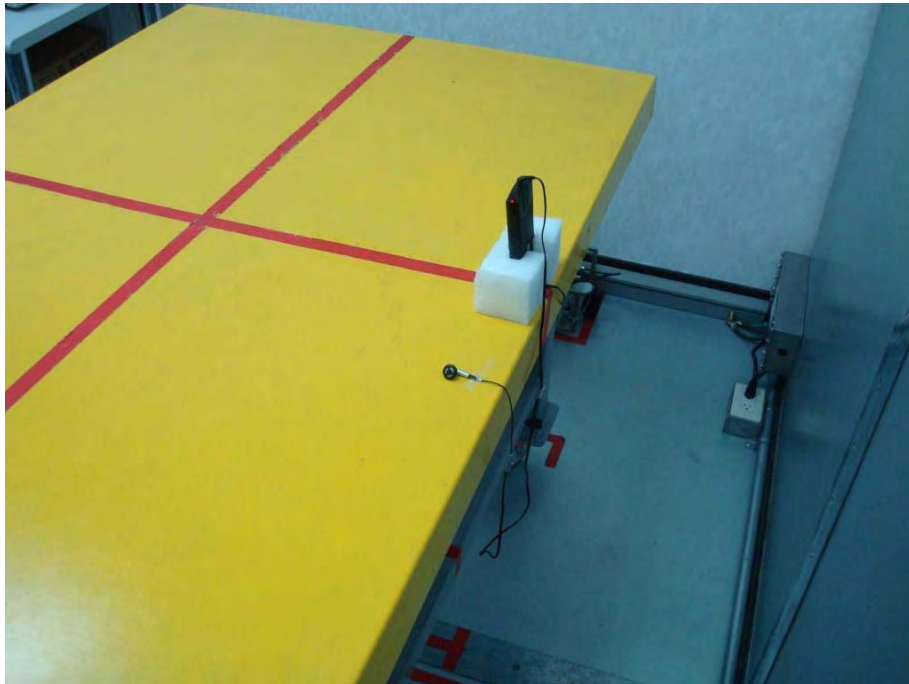


Figure 2. Rear View of the Test Configuration



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 Measurement Data of Conducted Emissions:

2.6.1 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11b CH Low & Middle & High
Test Date : 08/04/2008

Please refer to next pager 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.



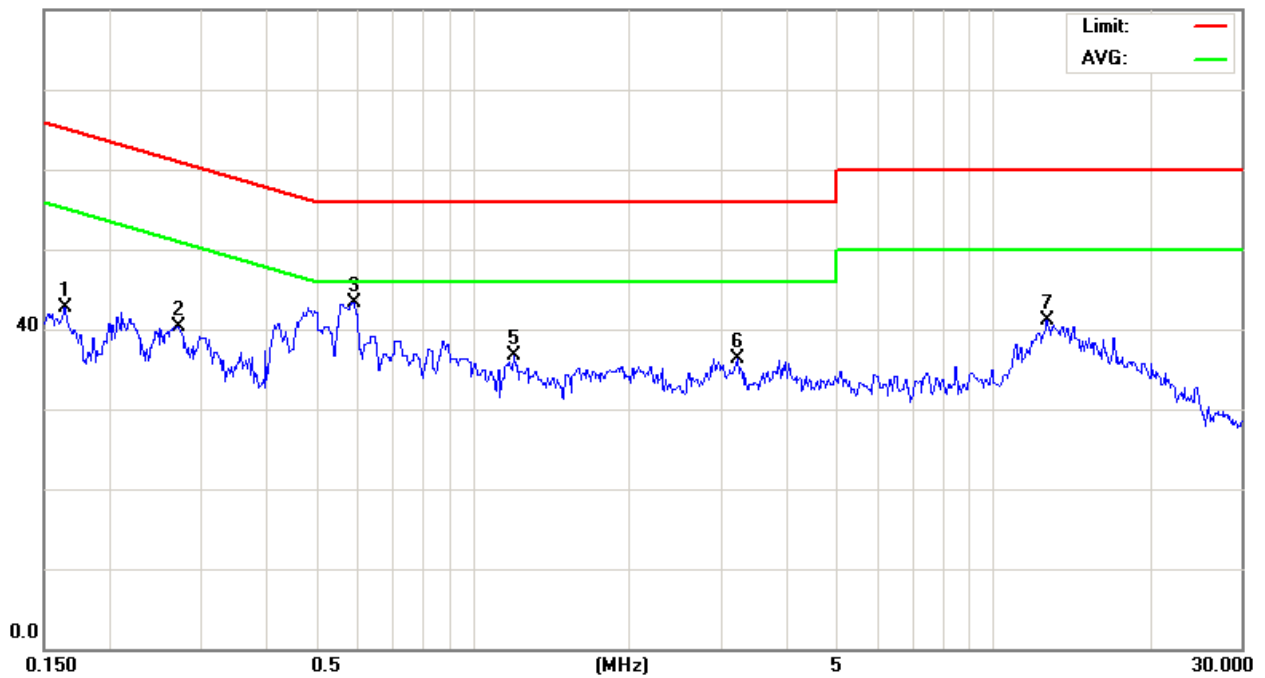
File :colorado 111(WiFi)

Data :#1

Date:2008-8-4

Time: 下午 08:45:41

80.0 dBuV



Site site#1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11b

Note: CH01

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1647	33.06	9.73	42.79	65.22	-22.43	peak	
2		0.2704	30.62	9.76	40.38	61.10	-20.72	peak	
3	*	0.5899	33.45	9.79	43.24	56.00	-12.76	peak	
4		0.5899	21.51	9.79	31.30	46.00	-14.70	AVG	
5		1.2020	26.81	9.81	36.62	56.00	-19.38	peak	
6		3.2180	26.43	9.91	36.34	56.00	-19.66	peak	
7		12.6500	30.88	10.17	41.05	60.00	-18.95	peak	

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

●Reference Only



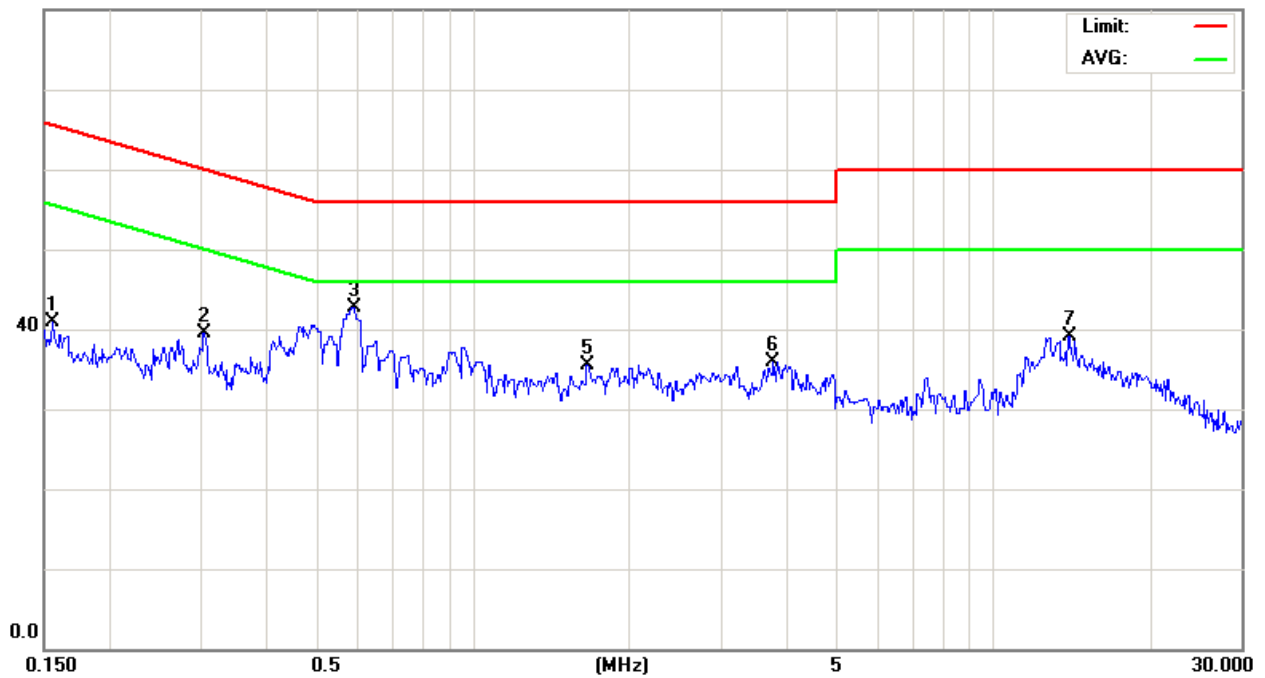
File :colorado 111(WiFi)

Data :#2

Date:2008-8-4

Time: 下午 08:53:10

80.0 dBuV



Site site#1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11b

Note: CH01

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1556	31.11	9.73	40.84	65.69	-24.85	peak	
2		0.3040	29.68	9.77	39.45	60.13	-20.68	peak	
3	*	0.5899	32.96	9.79	42.75	56.00	-13.25	peak	
4		0.5899	18.41	9.79	28.20	46.00	-17.80	AVG	
5		1.6610	25.62	9.83	35.45	56.00	-20.55	peak	
6		3.7760	26.04	9.95	35.99	56.00	-20.01	peak	
7		13.9500	28.91	10.20	39.11	60.00	-20.89	peak	

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

●Reference Only



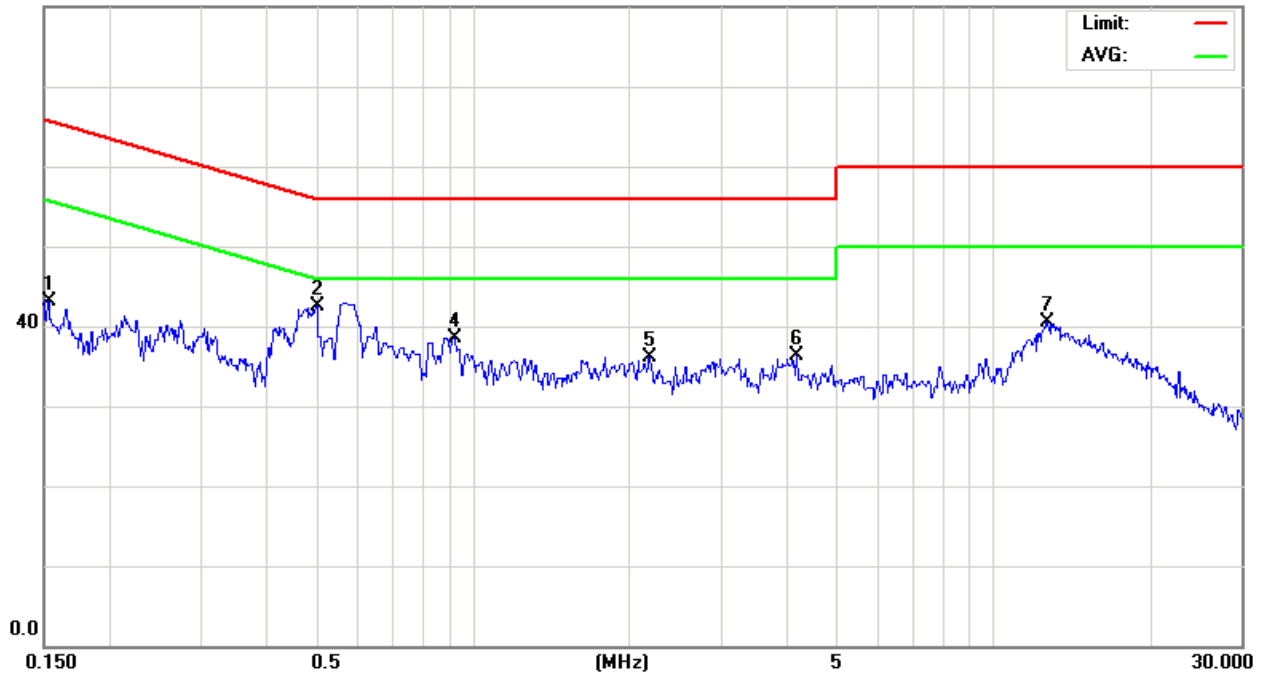
File :colorado 111(WiFi)

Data :#3

Date:2008-8-4

Time: 下午 09:00:12

80.0 dBuV



Site site#1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11b

Note: CH06

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1528	33.35	9.73	43.08	65.84	-22.76	peak	
2	*	0.5000	32.67	9.78	42.45	56.00	-13.55	peak	
3		0.5000	22.02	9.78	31.80	46.00	-14.20	AVG	
4		0.9230	28.74	9.81	38.55	56.00	-17.45	peak	
5		2.1829	26.24	9.88	36.12	56.00	-19.88	peak	
6		4.1810	26.35	9.98	36.33	56.00	-19.67	peak	
7		12.6500	30.35	10.17	40.52	60.00	-19.48	peak	

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

●Reference Only



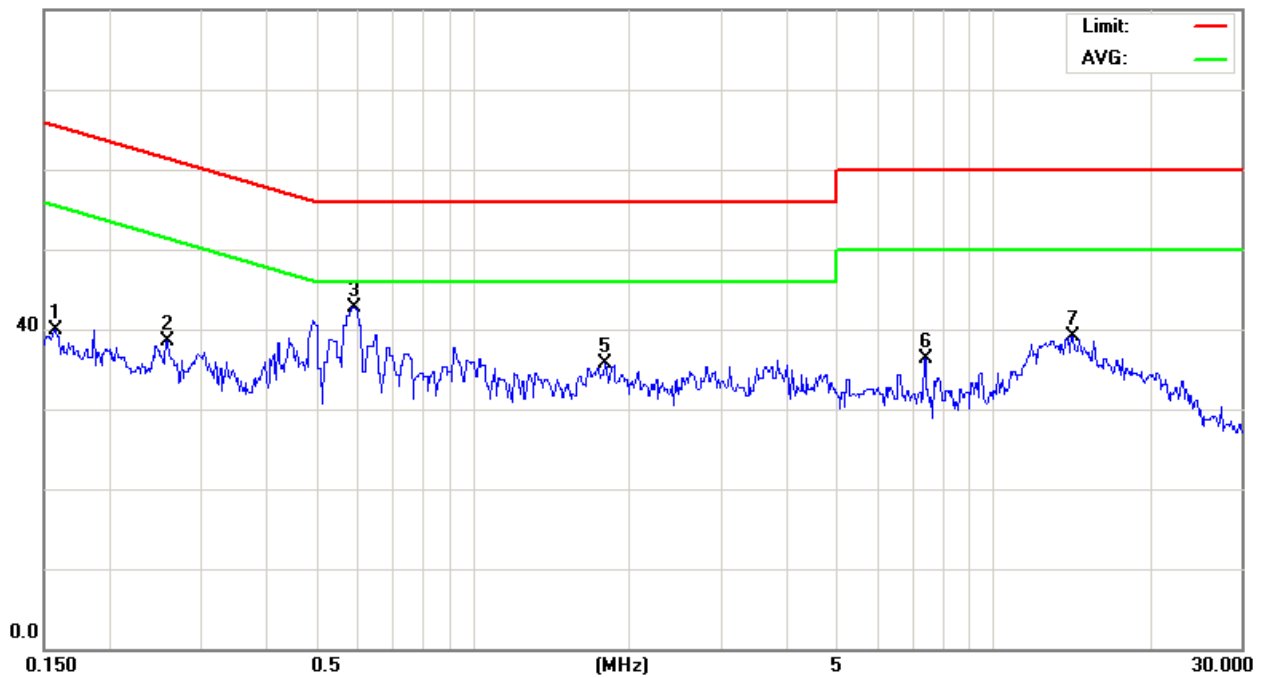
File :colorado 111(WiFi)

Data :#4

Date:2008-8-4

Time: 下午 09:06:45

80.0 dBuV



Site site#1

Phase: L2

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11b

Note: CH06

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1577	30.17	9.73	39.90	65.58	-25.68	peak	
2		0.2578	28.76	9.75	38.51	61.50	-22.99	peak	
3	*	0.5899	32.95	9.79	42.74	56.00	-13.26	peak	
4		0.5899	18.11	9.79	27.90	46.00	-18.10	AVG	
5		1.7960	25.80	9.82	35.62	56.00	-20.38	peak	
6		7.4000	26.23	10.09	36.32	60.00	-23.68	peak	
7		14.1500	28.83	10.20	39.03	60.00	-20.97	peak	

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

●Reference Only



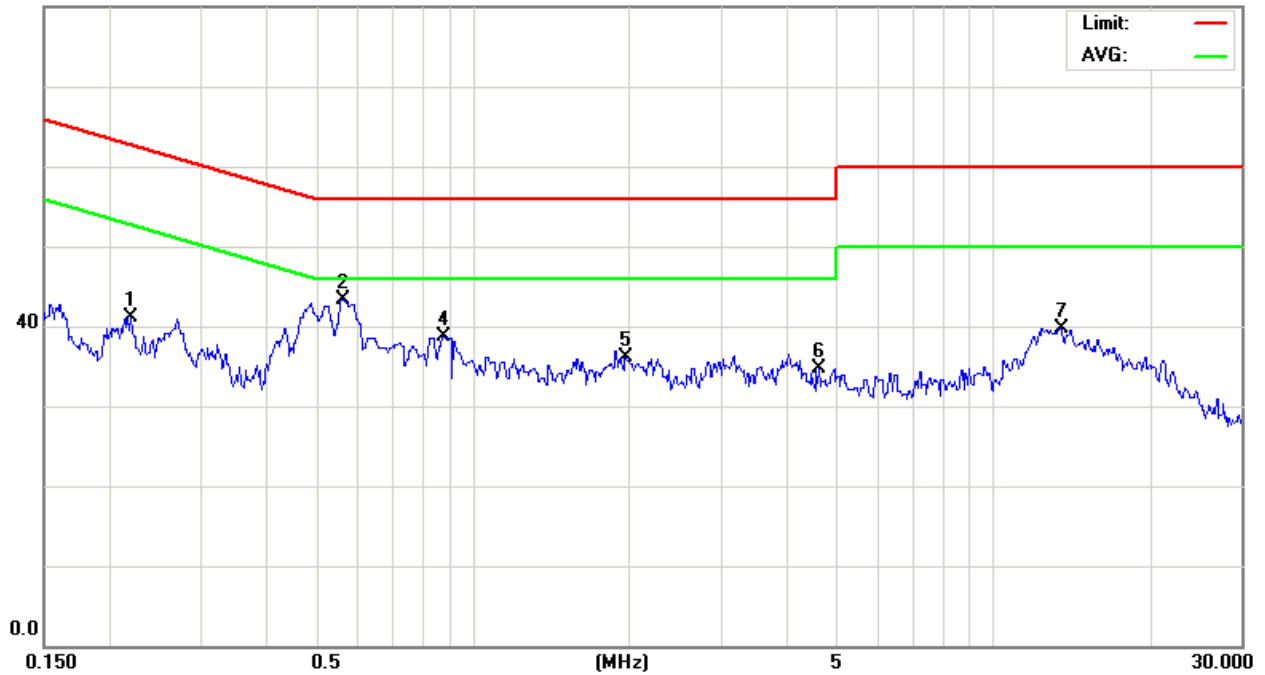
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Data :#5

Date:2008-8-4

Time: 下午 09:13:58

80.0 dBuV



Site site#1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11b

Note: CH11

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2200	31.27	9.74	41.01	62.82	-21.81	peak	
2	*	0.5630	33.60	9.79	43.39	56.00	-12.61	peak	
3		0.5630	22.81	9.79	32.60	46.00	-13.40	AVG	
4		0.8780	29.00	9.80	38.80	56.00	-17.20	peak	
5		1.9669	26.18	9.84	36.02	56.00	-19.98	peak	
6		4.6219	24.69	10.01	34.70	56.00	-21.30	peak	
7		13.5000	29.55	10.21	39.76	60.00	-20.24	peak	

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

●Reference Only



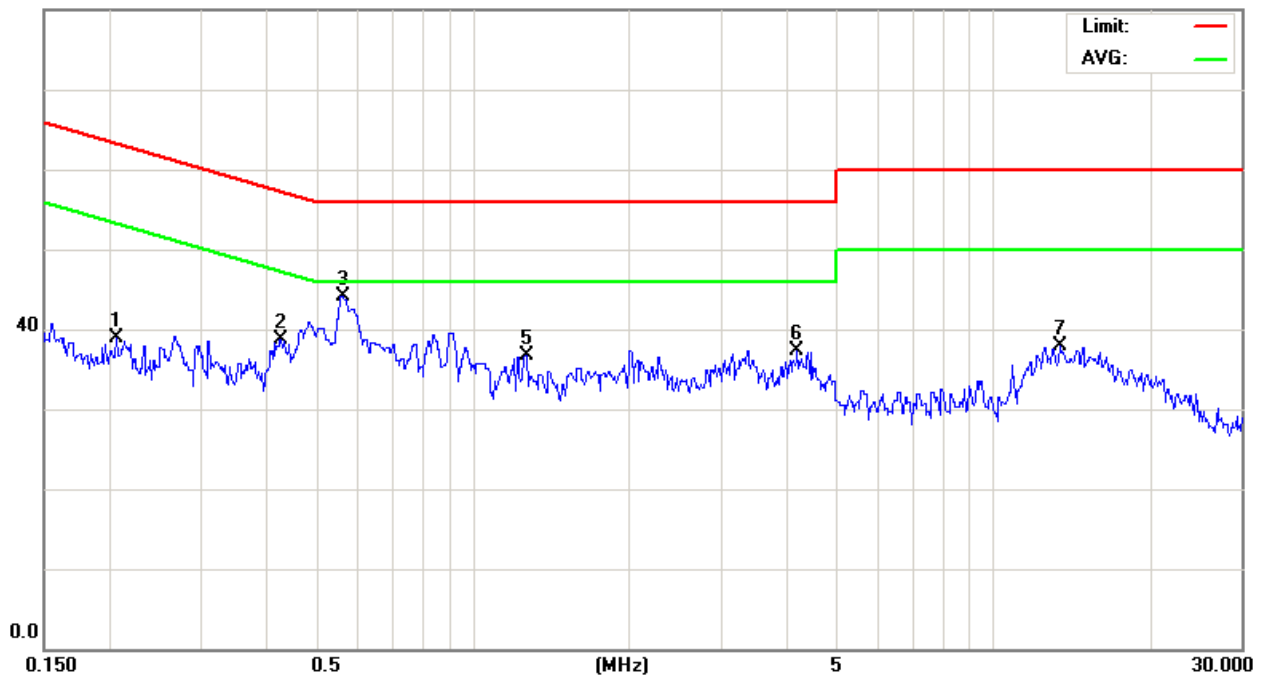
File :colorado 111(WiFi)

Data :#6

Date:2008-8-4

Time: 下午 09:27:45

80.0 dBuV



Site site#1

Phase: L2

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11b

Note: CH11

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2067	29.13	9.74	38.87	63.33	-24.46	peak	
2		0.4265	28.83	9.78	38.61	57.32	-18.71	peak	
3	*	0.5630	34.31	9.79	44.10	56.00	-11.90	peak	
4		0.5630	17.91	9.79	27.70	46.00	-18.30	AVG	
5		1.2650	26.96	9.81	36.77	56.00	-19.23	peak	
6		4.1900	27.36	9.98	37.34	56.00	-18.66	peak	
7		13.4500	27.63	10.21	37.84	60.00	-22.16	peak	

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

●Reference Only



2.6.2 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11g CH Low & Middle & High
Test Date : 08/04/2008

Please refer to next pager 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.



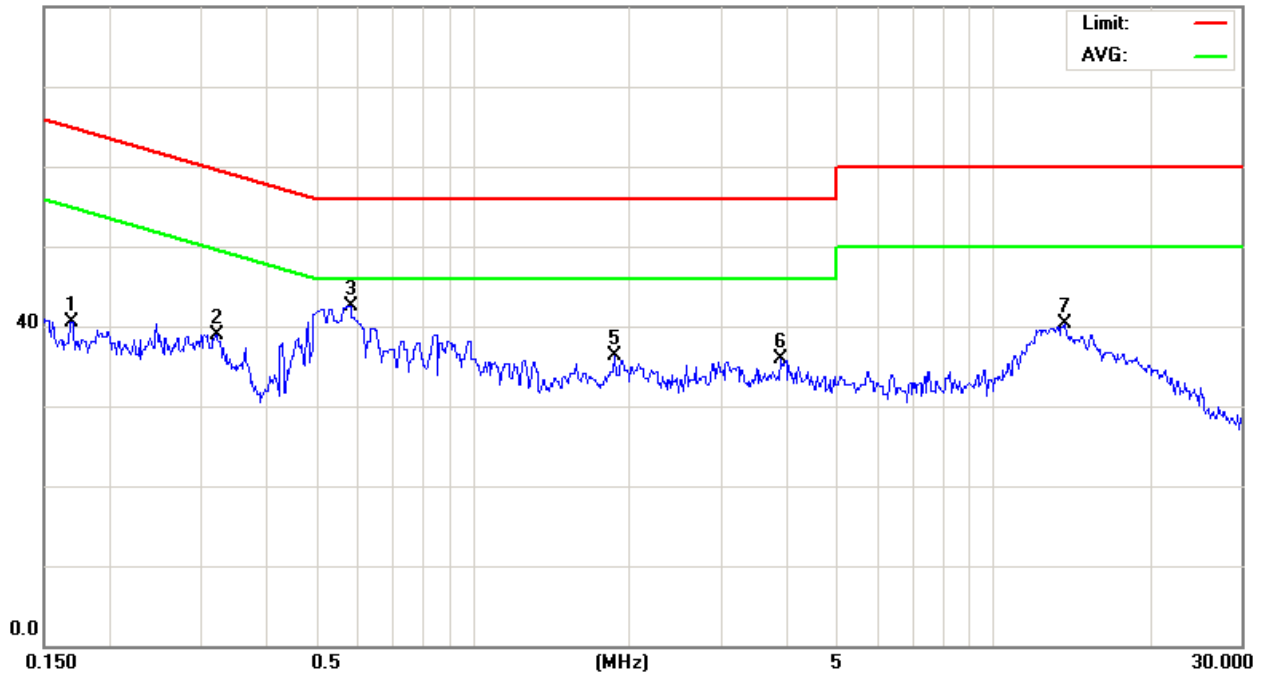
File :colorado 111(WiFi)

Data :#7

Date:2008-8-4

Time: 下午 09:59:11

80.0 dBuV



Site site#1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11g

Note: CH01

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1689	30.83	9.73	40.56	65.01	-24.45	peak	
2		0.3201	29.23	9.77	39.00	59.70	-20.70	peak	
3	*	0.5810	32.79	9.79	42.58	56.00	-13.42	peak	
4		0.5810	20.71	9.79	30.50	46.00	-15.50	AVG	
5		1.8770	26.48	9.83	36.31	56.00	-19.69	peak	
6		3.8930	25.96	9.96	35.92	56.00	-20.08	peak	
7		13.7000	30.02	10.21	40.23	60.00	-19.77	peak	

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

●Reference Only



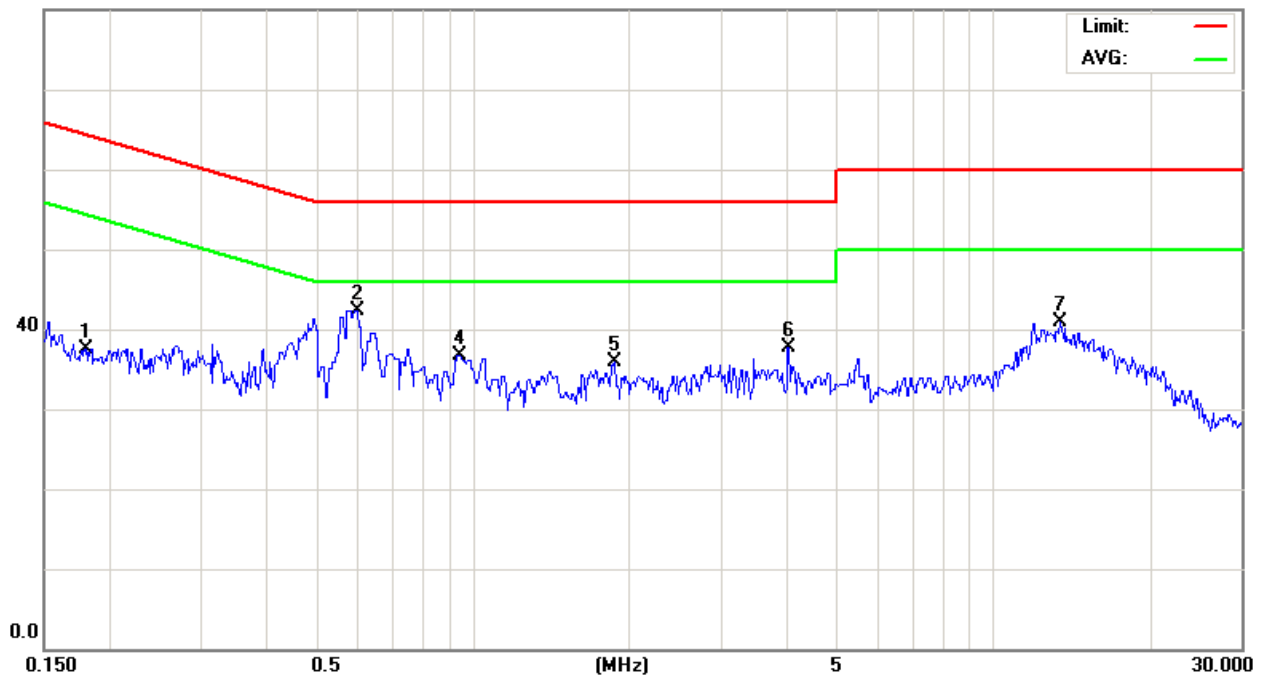
File :colorado 111(WiFi)

Data :#8

Date:2008-8-4

Time: 下午 10:04:36

80.0 dBuV



Site site#1

Phase: L2

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11g

Note: CH01

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1801	27.81	9.74	37.55	64.48	-26.93	peak	
2	*	0.5990	32.57	9.79	42.36	56.00	-13.64	peak	
3		0.5990	17.61	9.79	27.40	46.00	-18.60	AVG	
4		0.9410	26.84	9.81	36.65	56.00	-19.35	peak	
5		1.8770	26.02	9.83	35.85	56.00	-20.15	peak	
6		4.0280	27.70	9.96	37.66	56.00	-18.34	peak	
7		13.4000	30.68	10.20	40.88	60.00	-19.12	peak	

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

●Reference Only



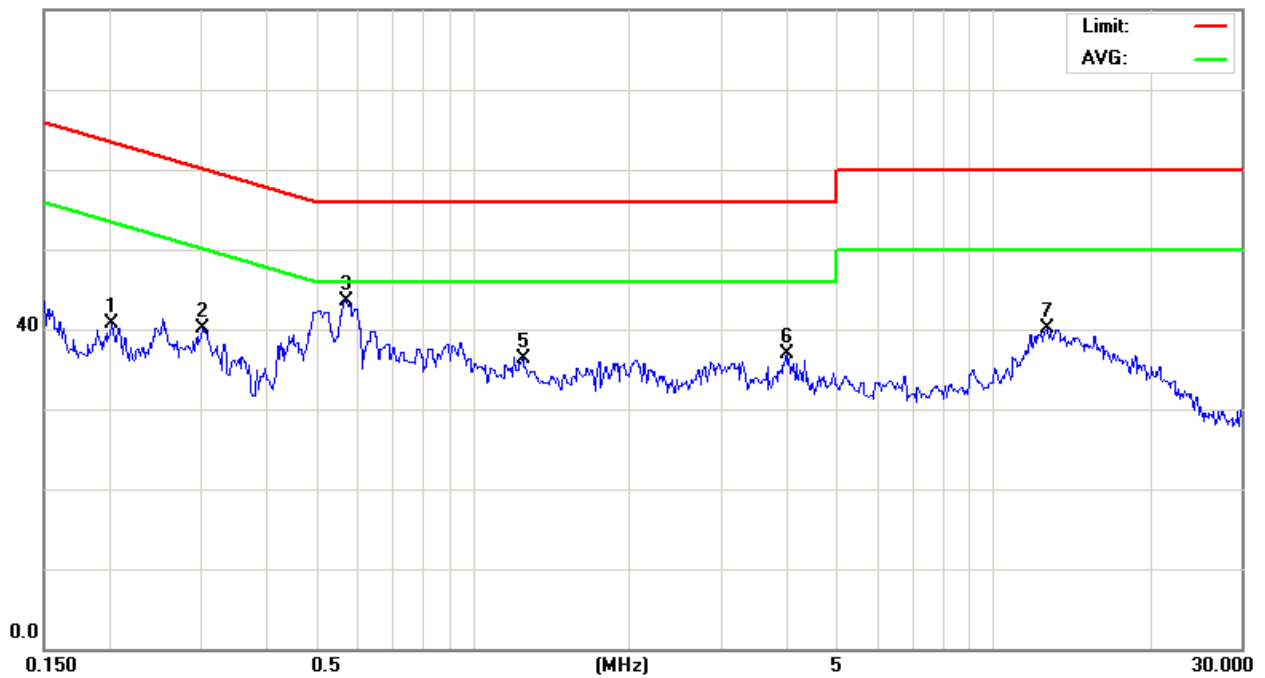
File :colorado 111(WiFi)

Data :#9

Date:2008-8-4

Time: 下午 10:10:32

80.0 dBuV



Site site#1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11g

Note: CH06

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2017	30.88	9.74	40.62	63.54	-22.92	peak	
2		0.3026	30.27	9.77	40.04	60.17	-20.13	peak	
3	*	0.5720	33.62	9.79	43.41	56.00	-12.59	peak	
4		0.5720	17.21	9.79	27.00	46.00	-19.00	AVG	
5		1.2470	26.41	9.81	36.22	56.00	-19.78	peak	
6		4.0010	27.00	9.97	36.97	56.00	-19.03	peak	
7		12.7000	29.93	10.18	40.11	60.00	-19.89	peak	

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

●Reference Only



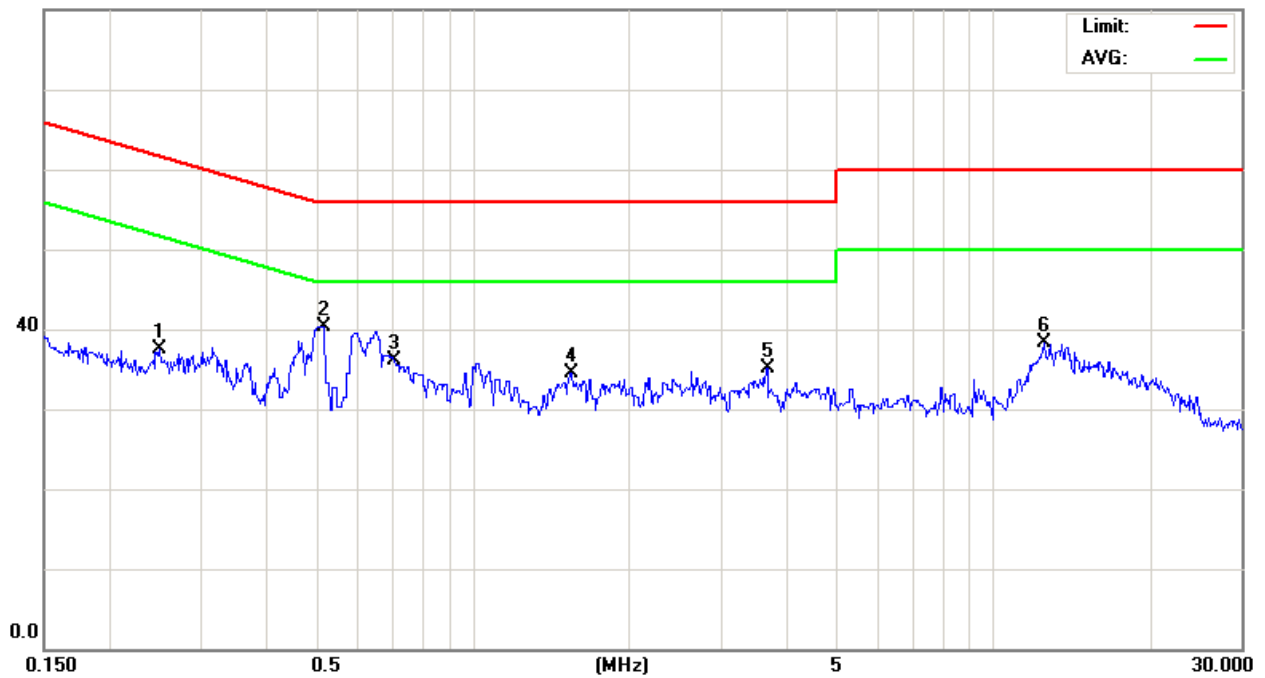
File :colorado 111(WiFi)

Data :#10

Date:2008-8-4

Time: 下午 10:17:35

80.0 dBuV



Site site#1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11g

Note: CH06

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2501	27.82	9.75	37.57	61.75	-24.18	peak	
2	*	0.5180	30.60	9.79	40.39	56.00	-15.61	peak	
3		0.7070	26.38	9.80	36.18	56.00	-19.82	peak	
4		1.5440	24.73	9.81	34.54	56.00	-21.46	peak	
5		3.6680	25.21	9.93	35.14	56.00	-20.86	peak	
6		12.5000	28.08	10.17	38.25	60.00	-21.75	peak	

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

●Reference Only



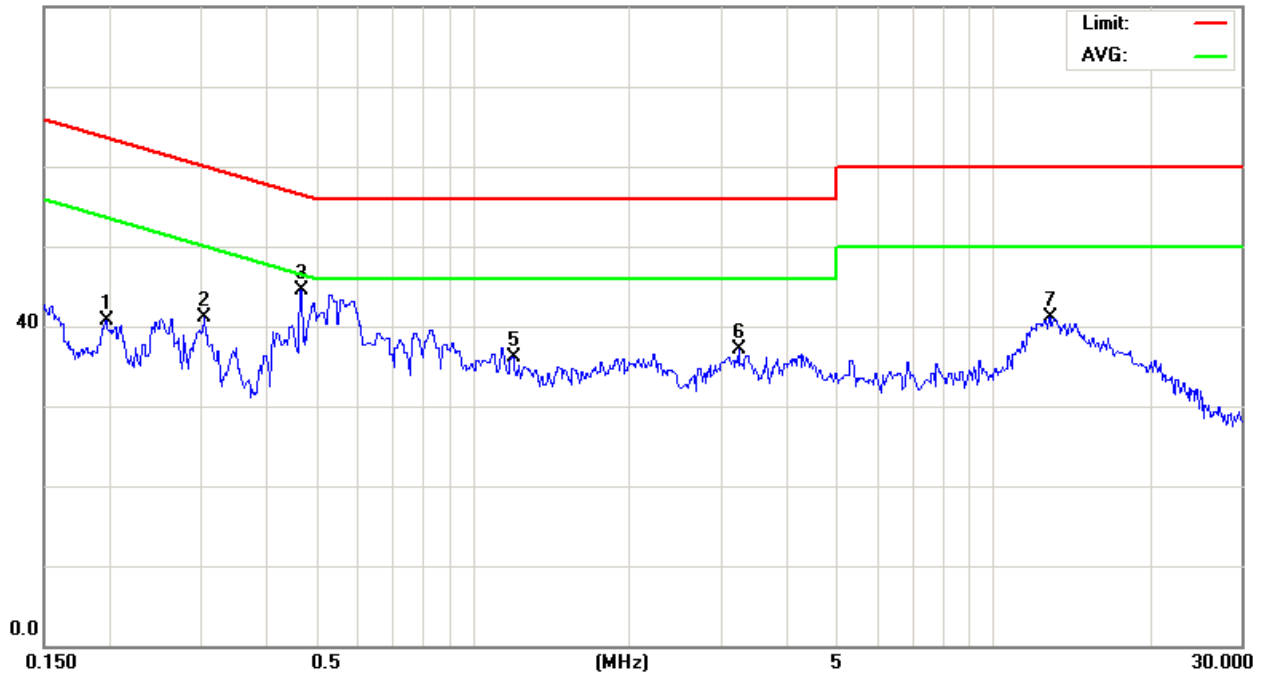
File :colorado 111(WiFi)

Data :#11

Date:2008-8-4

Time: 下午 10:21:44

80.0 dBuV



Site site#1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11g

Note: CH11

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1969	30.97	9.74	40.71	63.74	-23.03	peak	
2		0.3047	31.34	9.77	41.11	60.11	-19.00	peak	
3	*	0.4664	34.71	9.78	44.49	56.58	-12.09	peak	
4		0.4664	20.92	9.78	30.70	46.58	-15.88	AVG	
5		1.1930	26.23	9.80	36.03	56.00	-19.97	peak	
6		3.2360	27.16	9.91	37.07	56.00	-18.93	peak	
7		12.8000	30.93	10.18	41.11	60.00	-18.89	peak	

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

●Reference Only



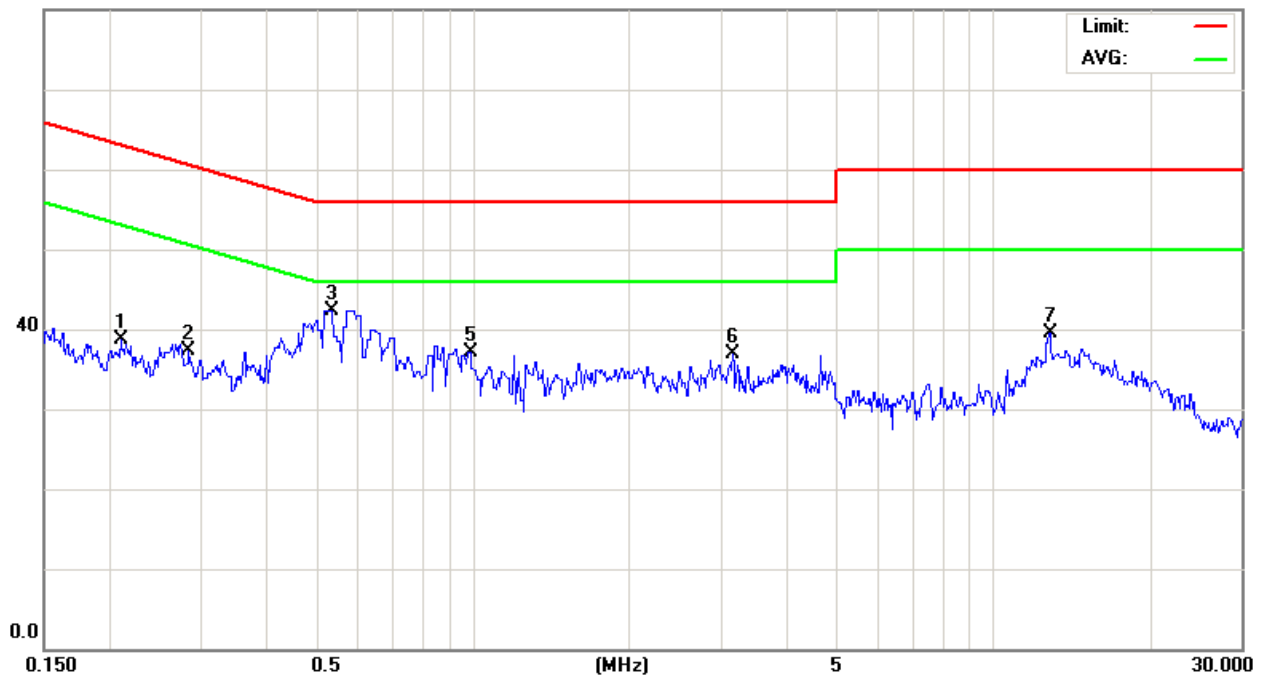
File :colorado 111(WiFi)

Data :#12

Date:2008-8-4

Time: 下午 10:26:11

80.0 dBuV



Site site#1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

M/N:

Mode: 11g

Note: CH11

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2102	28.87	9.74	38.61	63.19	-24.58	peak	
2		0.2844	27.56	9.76	37.32	60.68	-23.36	peak	
3	*	0.5360	32.58	9.79	42.37	56.00	-13.63	peak	
4		0.5360	18.41	9.79	28.20	46.00	-17.80	AVG	
5		0.9860	27.29	9.81	37.10	56.00	-18.90	peak	
6		3.1550	26.90	9.91	36.81	56.00	-19.19	peak	
7		12.8000	29.24	10.18	39.42	60.00	-20.58	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 three 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 (model 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 per meter (uV/m).

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

The actual field 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.

$$(1) \text{ Amplitude (dBuV/m) = FI (dBuV) + AF (dBuV) + CL (dBuV) - Gain (dB)}$$

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

$$(2) \text{ Actual Amplitude (dBuV/m) = Amplitude (dBuV) - Dis(dB)}$$

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 Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4408B	MY45107753	Jun. 05, 2008	Jun. 05, 2009
Pre Amplifier	Agilent	8449B	3008A02237	Jun. 03, 2008	Jun. 03, 2009
Pre Amplifier	Agilent	8447D	2944A10961	Jun. 10, 2008	Jun. 10, 2009
Test Receiver	R&S	ESCI	100367	Jun. 05, 2008	Jun. 05, 2009
Biconilog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	Jun. 26, 2008	Jun. 26, 2009
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	Jun. 26, 2008	Jun. 26, 2009
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	Jun. 09, 2008	Jun. 09, 2009
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120E	0899	Jun. 26, 2008	Jun. 26, 2009

3.3 Test Configuration:



Figure 3. Front View of the Test Configuration

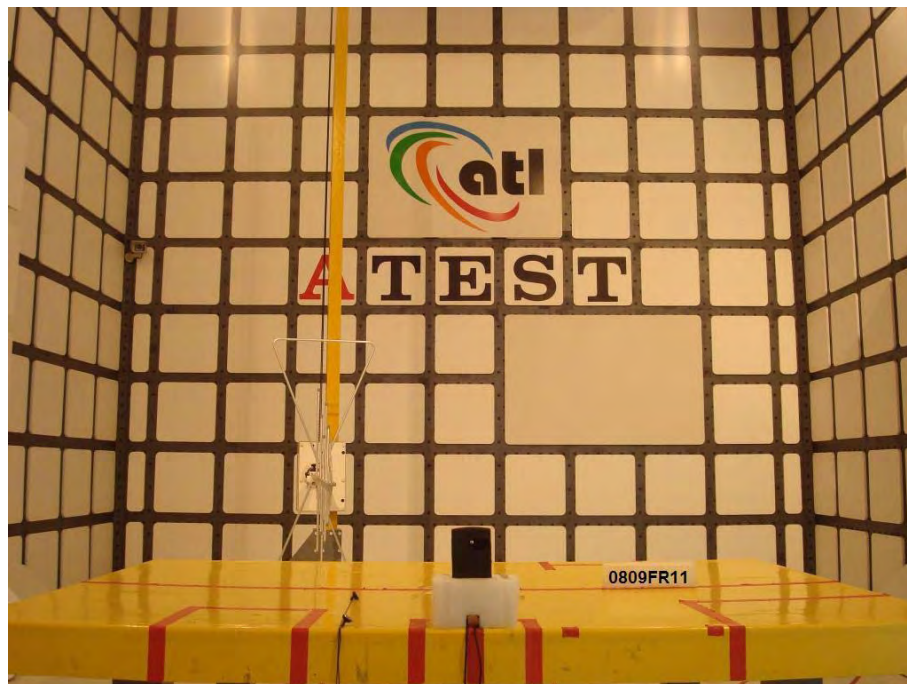


Figure 4. Rear View of the Test Configuration

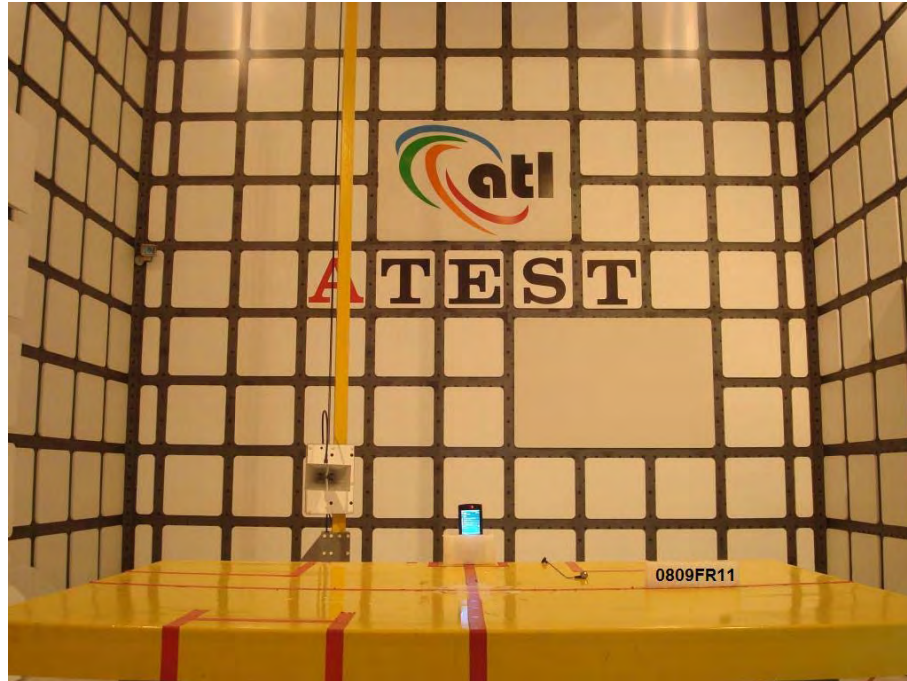


Figure 5. Front View of the Test Configuration

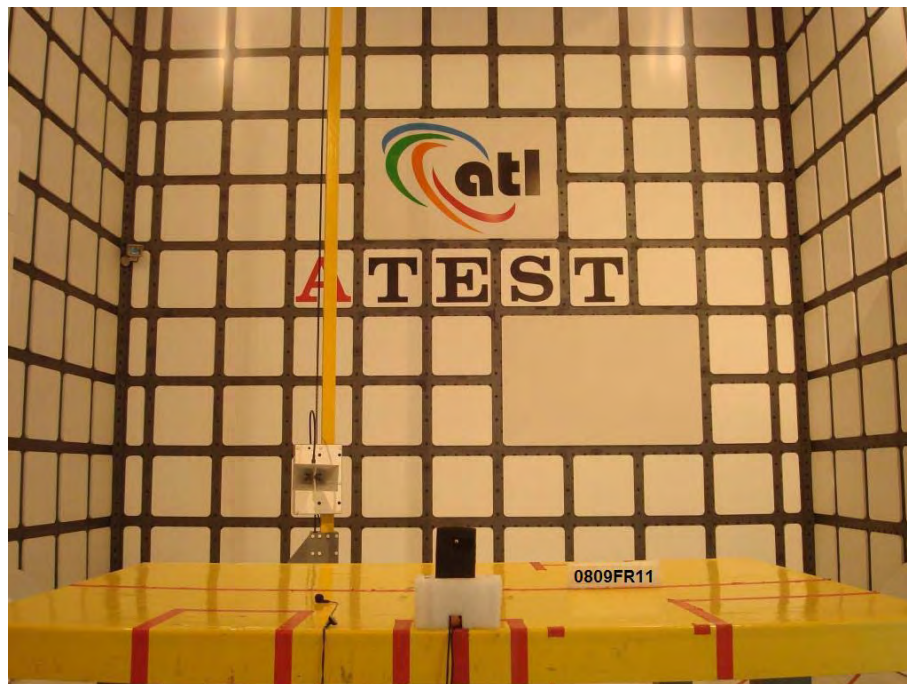


Figure 6. Rear View of the Test Configuration



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 Measurement Data of Radiated Emissions:

3.6.1 Open Field Radiated Emissions (Subpart C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11b CH1 2412.000 (Local Frequency: 2412.000 MHz)
Test Date : 08/04~09/02/2008

Please refer to next pager 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 ambient noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



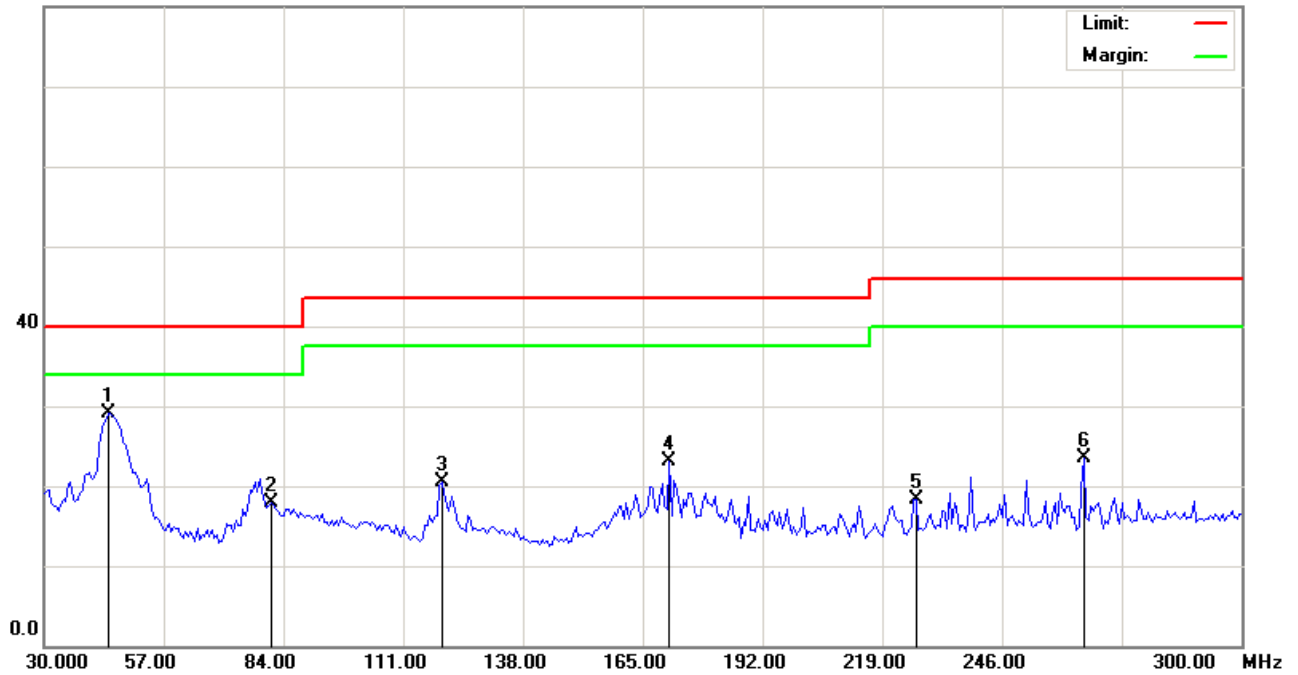
File :colorado 111(2412)

Data :#1

Date: 2008/09/02

Time: 下午 09:40:06

80.0 dBuV



Site

Limit: FCC Class B 3M Radiation

EUT:

M/N: 08-0190

Mode: WIFI(11B)

Note: 2412MHZ

Polarization: **Vertical**

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	44.5800	40.86	-11.84	29.02	40.00	-10.98	peak		
2		81.3000	33.94	-16.08	17.86	40.00	-22.14	peak		
3		119.6400	34.67	-14.14	20.53	43.50	-22.97	peak		
4		170.9400	38.40	-15.27	23.13	43.50	-20.37	peak		
5		226.5600	30.30	-12.06	18.24	46.00	-27.76	peak		
6		264.3600	34.63	-11.06	23.57	46.00	-22.43	peak		

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

●Reference Only



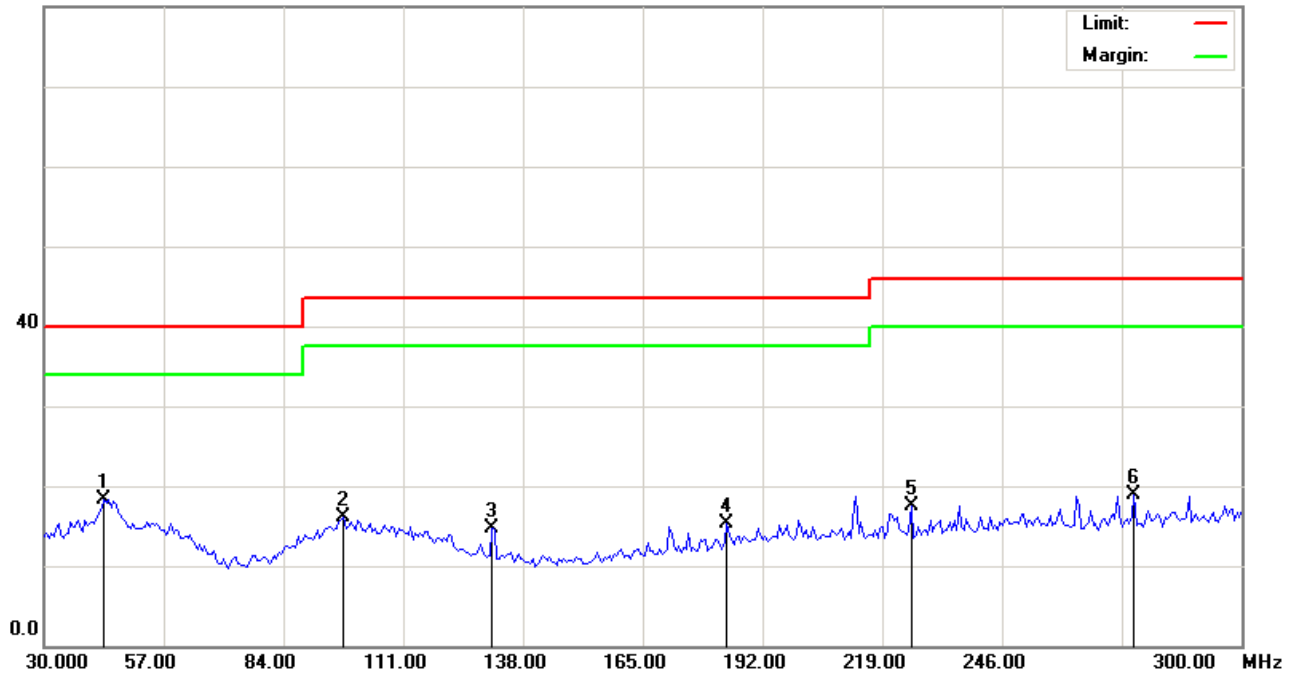
File :colorado 111(2412)

Data :#3

Date: 2008/09/02

Time: 下午 09:48:38

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2412MHZ

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	43.5000	30.14	-11.85	18.29	40.00	-21.71	peak		
2		97.5000	28.03	-11.90	16.13	43.50	-27.37	peak		
3		130.9800	30.46	-15.70	14.76	43.50	-28.74	peak		
4		183.9000	29.30	-13.93	15.37	43.50	-28.13	peak		
5		225.4800	29.68	-12.12	17.56	46.00	-28.44	peak		
6		275.7000	29.66	-10.74	18.92	46.00	-27.08	peak		

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

●Reference Only



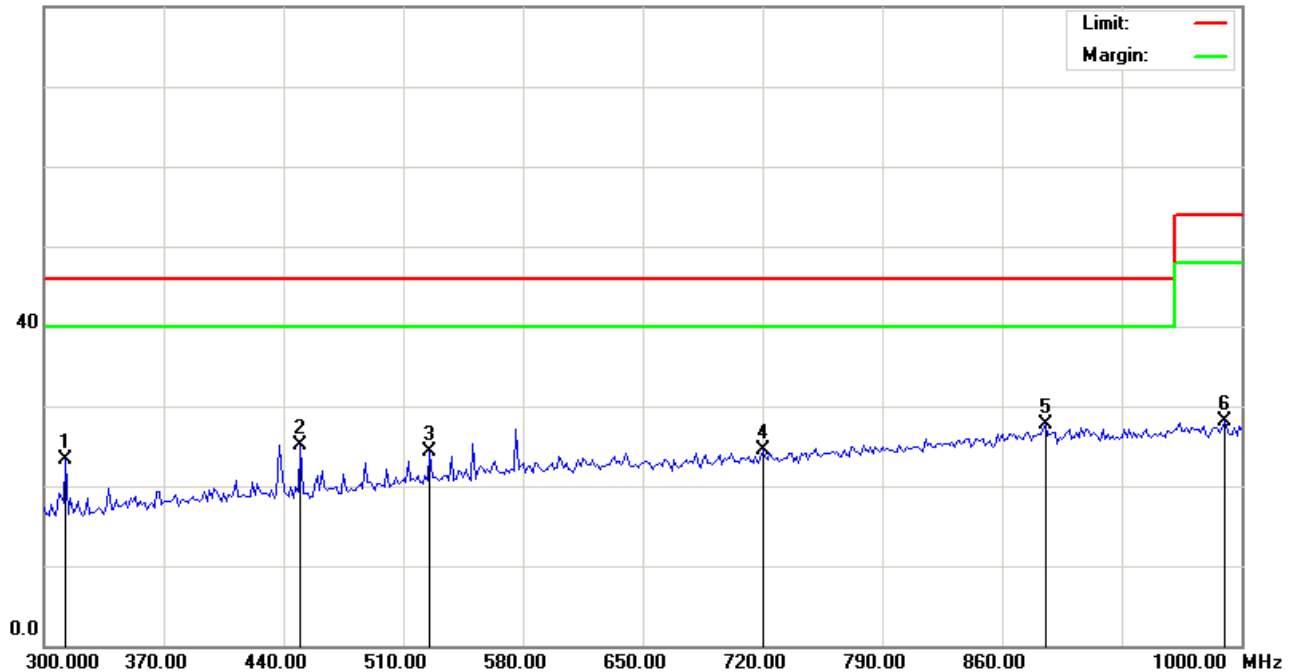
File :colorado 111(2412)

Data :#2

Date: 2008/09/02

Time: 下午 09:44:22

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2412MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		312.6000	33.02	-9.79	23.23	46.00	-22.77	peak		
2		449.8000	33.25	-8.15	25.10	46.00	-20.90	peak		
3		525.4000	30.80	-6.51	24.29	46.00	-21.71	peak		
4		720.0000	28.09	-3.55	24.54	46.00	-21.46	peak		
5	*	885.2000	27.93	-0.14	27.79	46.00	-18.21	peak		
6		990.2000	27.23	0.93	28.16	54.00	-25.84	peak		

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

●Reference Only



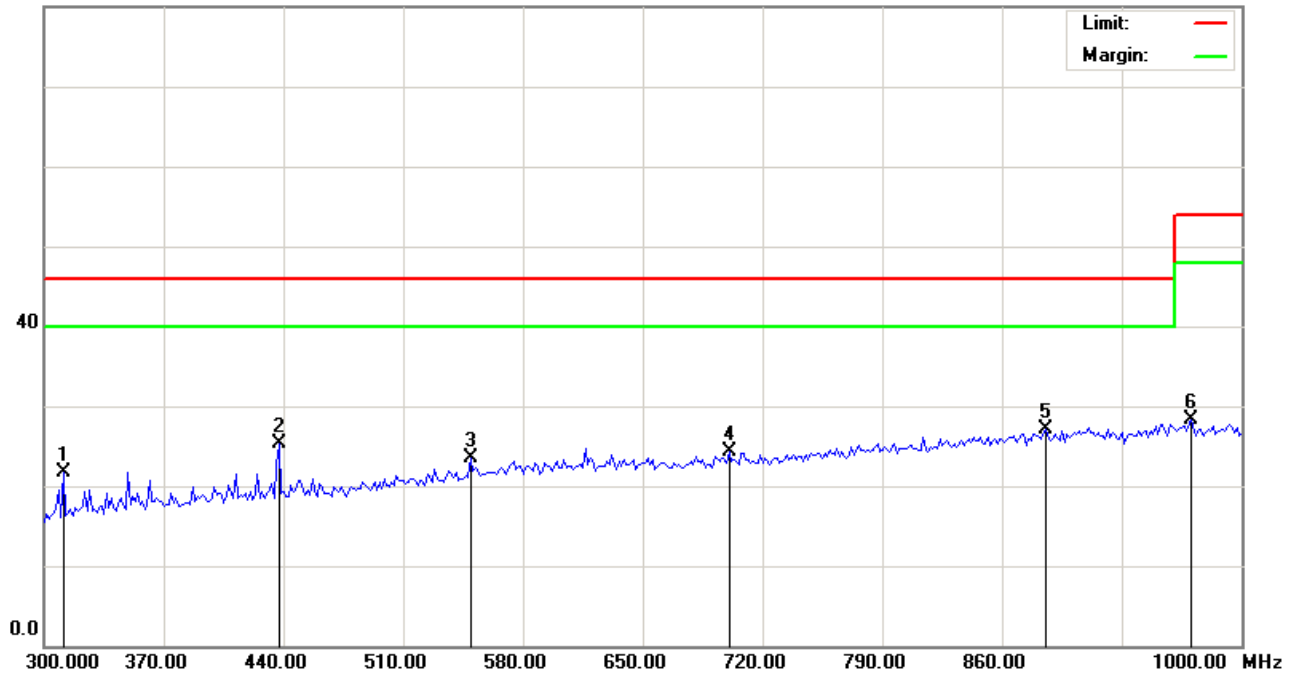
File :colorado 111(2412)

Data :#4

Date: 2008/09/02

Time: 下午 09:52:56

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2412MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1		311.2000	31.48	-9.82	21.66	46.00	-24.34	peak		
2		437.2000	33.29	-7.99	25.30	46.00	-20.70	peak		
3		549.2000	29.42	-6.01	23.41	46.00	-22.59	peak		
4		700.4000	28.17	-3.88	24.29	46.00	-21.71	peak		
5	*	885.2000	27.25	-0.14	27.11	46.00	-18.89	peak		
6		970.6000	27.51	0.72	28.23	54.00	-25.77	peak		

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

●Reference Only



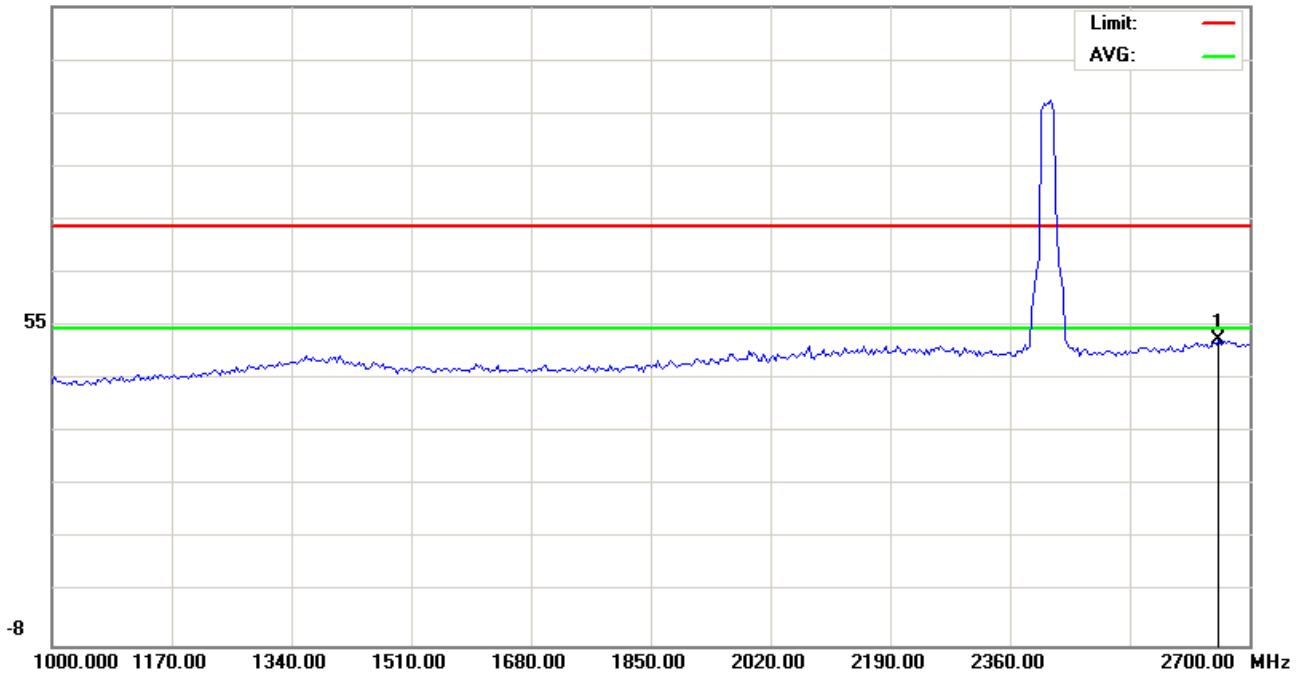
File :colorado 111(2412)

Data :#1

Date: 2008-8-4

Time:

117.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH01(2412MHz)天線在133.2CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree
1	*	2655.800	50.81	0.94	51.75	74.00	-22.25	peak		

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

●Reference Only



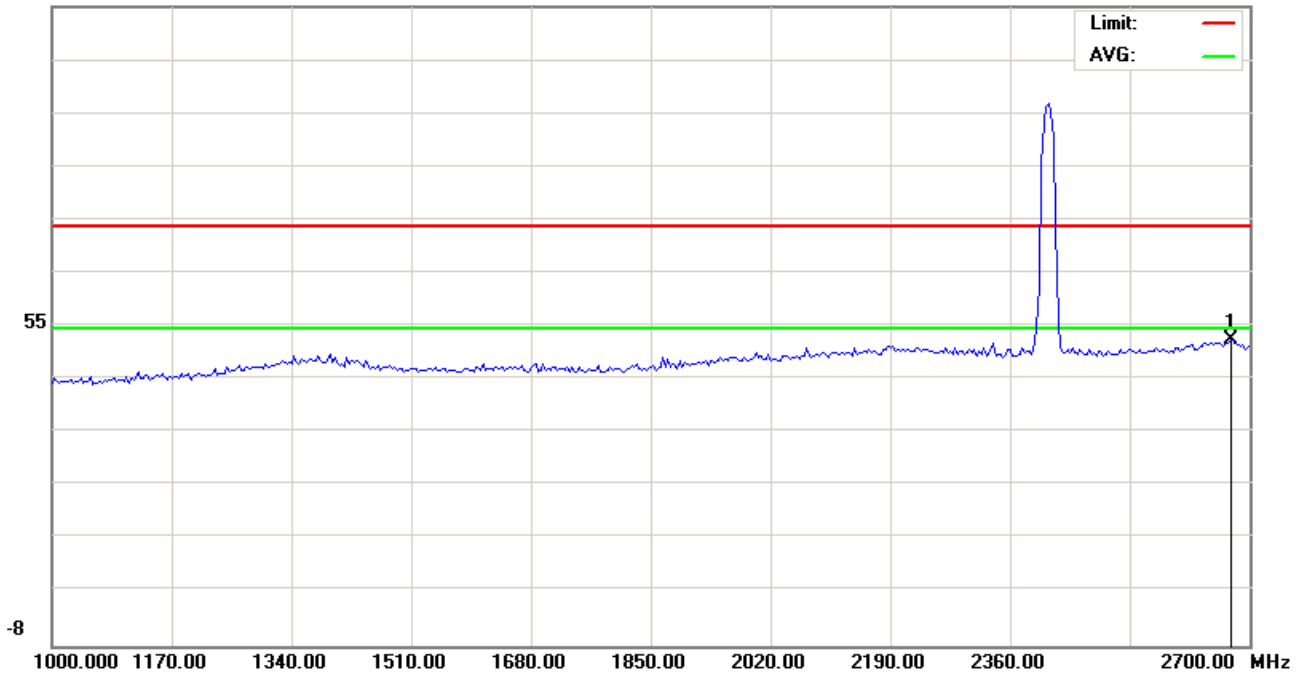
File :colorado 111(2412)

Data :#3

Date: 2008-8-5

Time:

117.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH01(2412MHz)天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2672.800	50.76	1.02	51.78	74.00	-22.22	peak		

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

●Reference Only



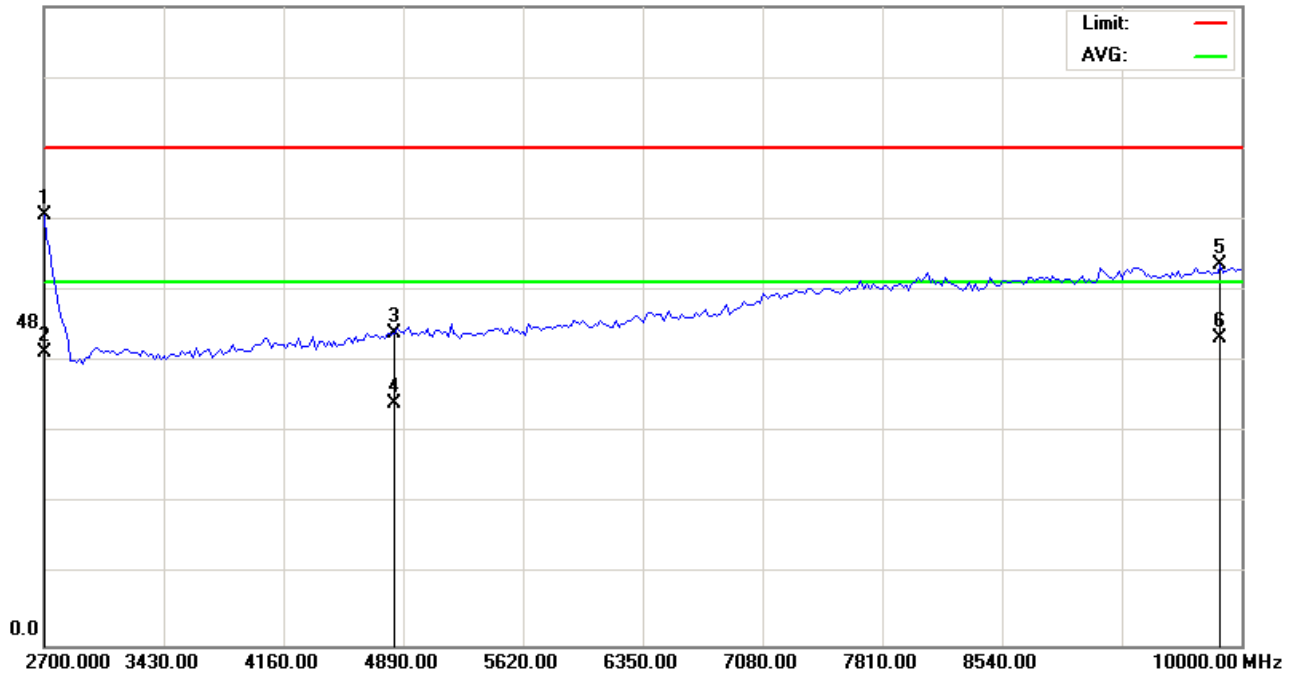
File :colorado 111(2412)

Data :#5

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH01(2412MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2700.000	41.40	22.58	63.98	74.00	-10.02	peak			
2		2700.000	21.10	22.58	43.68	54.00	-10.32	AVG			
3		4824.000	38.91	7.48	46.39	74.00	-27.61	peak			
4		4824.000	28.50	7.48	35.98	54.00	-18.02	AVG			
5		9872.250	38.81	17.84	56.65	74.00	-17.35	peak			
6	*	9872.250	27.78	17.84	45.62	54.00	-8.38	AVG			

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

●Reference Only



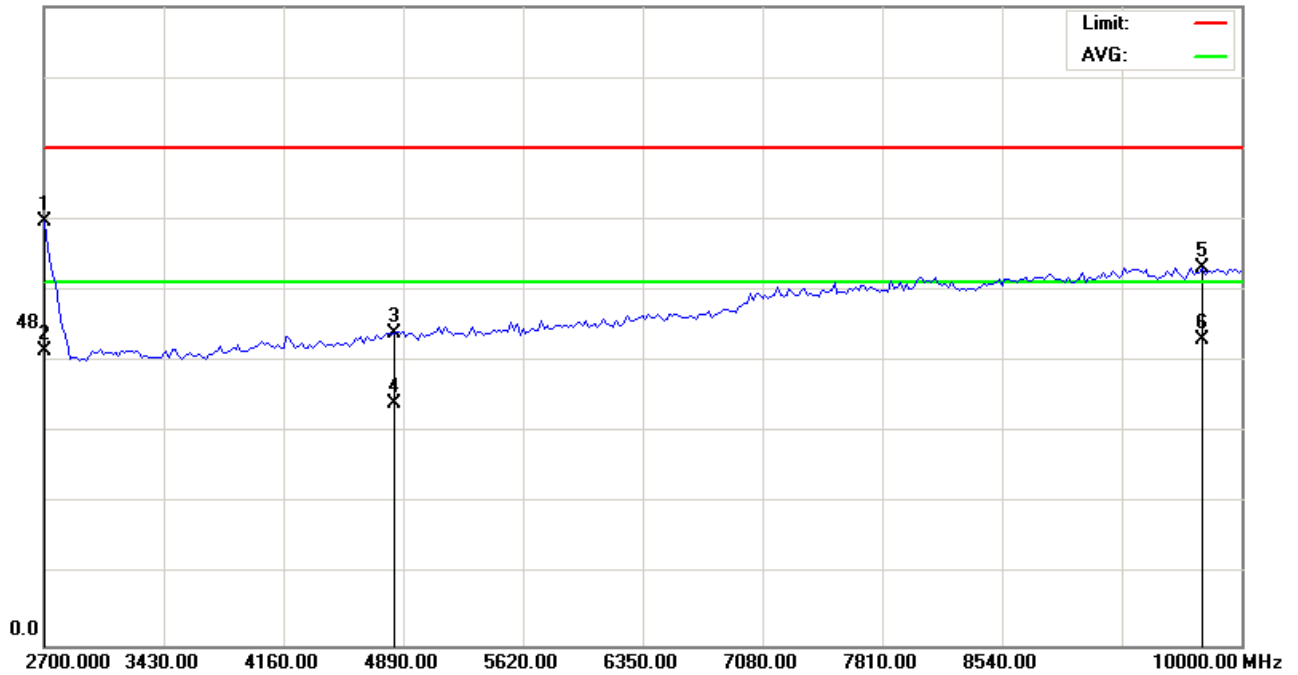
File :colorado 111(2412)

Data :#7

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH01(2412MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2700.000	40.56	22.58	63.14	74.00	-10.86	peak			
2		2700.000	21.28	22.58	43.86	54.00	-10.14	AVG			
3		4824.000	39.06	7.48	46.54	74.00	-27.46	peak			
4		4824.000	28.44	7.48	35.92	54.00	-18.08	AVG			
5		9762.750	38.57	17.70	56.27	74.00	-17.73	peak			
6	*	9762.750	27.73	17.70	45.43	54.00	-8.57	AVG			

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

●Reference Only



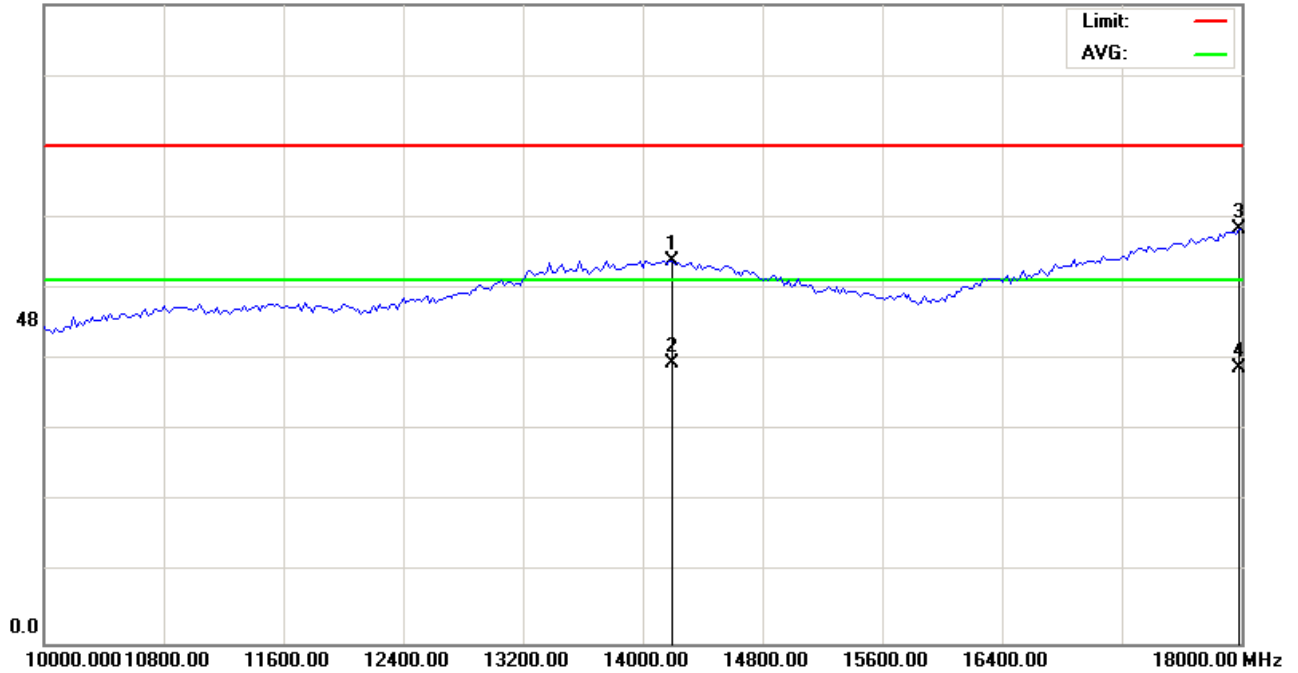
File :colorado 111(2412)

Data :#9

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH01(2412MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14200.00	28.58	28.40	56.98	74.00	-17.02	peak		
2	*	14200.00	13.22	28.40	41.62	54.00	-12.38	AVG		
3		17980.00	26.82	34.75	61.57	74.00	-12.43	peak		
4		17980.00	6.13	34.75	40.88	54.00	-13.12	AVG		

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

●Reference Only



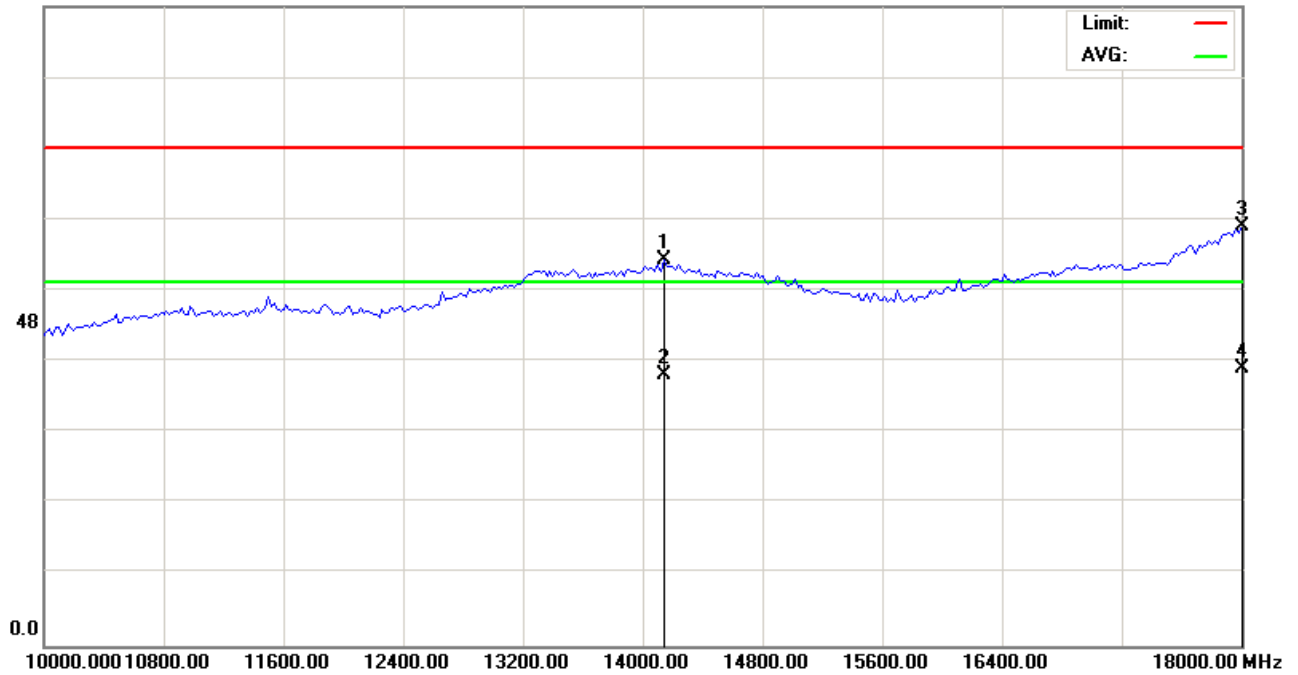
File :colorado 111(2412)

Data :#10

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH01(2412MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14140.00	28.95	28.38	57.33	74.00	-16.67	peak		
2		14140.00	11.97	28.38	40.35	54.00	-13.65	AVG		
3	*	18000.00	27.22	35.11	62.33	74.00	-11.67	peak		
4		18000.00	6.10	35.11	41.21	54.00	-12.79	AVG		

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

●Reference Only



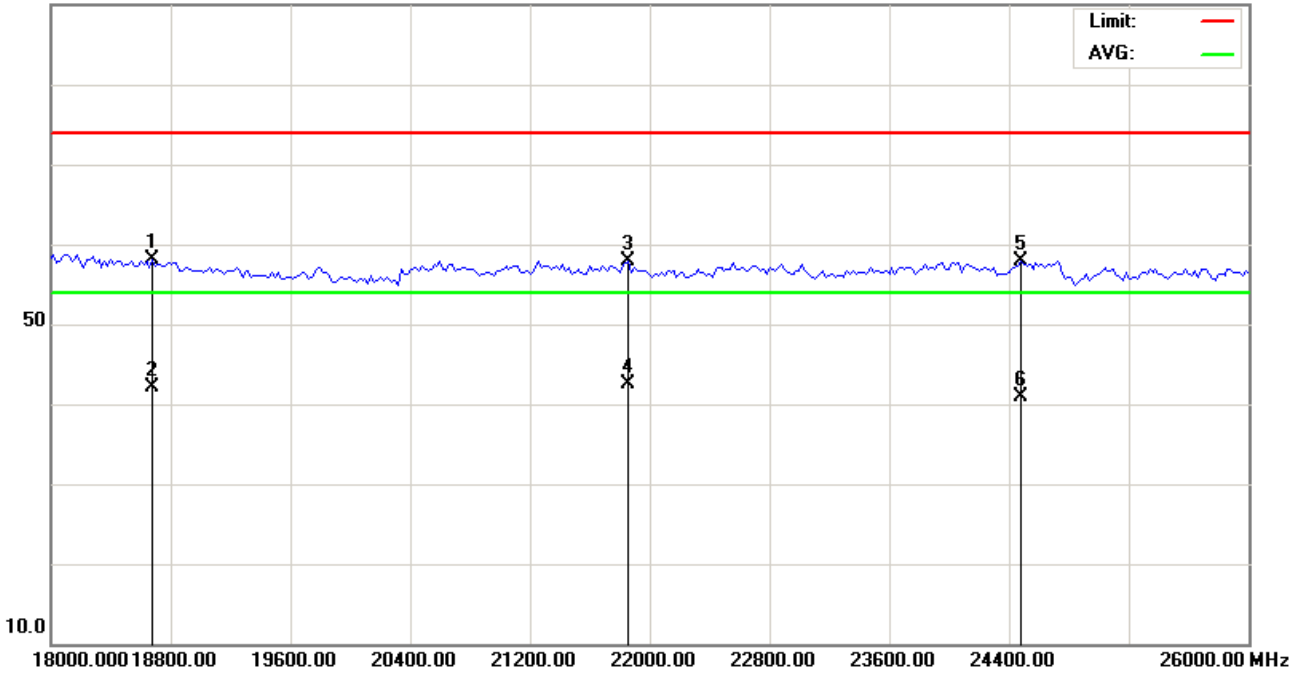
File :colorado 111(2412)

Data :#11

Date: 2008/8/5

Time:

90.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH01(2412MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		18680.00	25.07	33.11	58.18	74.00	-15.82	peak		
2		18680.00	8.97	33.11	42.08	54.00	-11.92	AVG		
3		21860.00	27.03	30.94	57.97	74.00	-16.03	peak		
4	*	21860.00	11.48	30.94	42.42	54.00	-11.58	AVG		
5		24480.00	28.78	29.16	57.94	74.00	-16.06	peak		
6		24480.00	11.83	29.16	40.99	54.00	-13.01	AVG		

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

●Reference Only



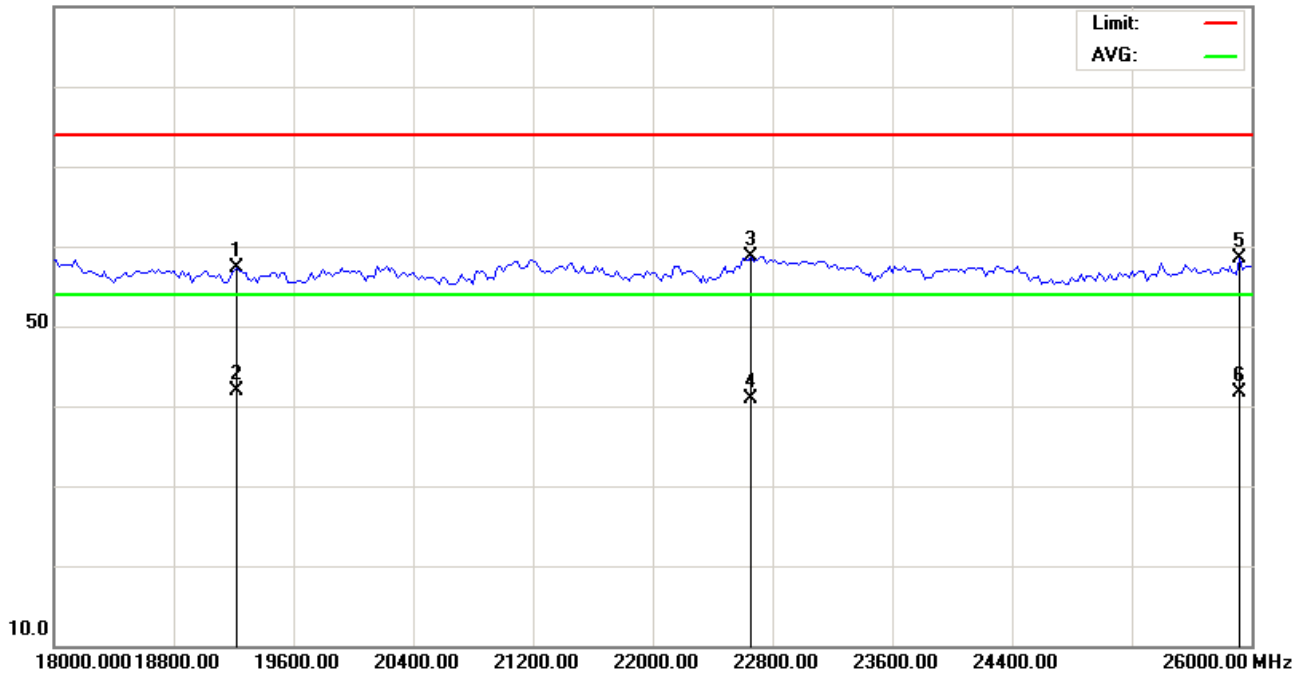
File :colorado 111(2412)

Data :#12

Date: 2008/8/5

Time:

90.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH01(2412MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		19220.00	24.52	32.75	57.27	74.00	-16.73	peak		
2	*	19220.00	9.21	32.75	41.96	54.00	-12.04	AVG		
3		22660.00	28.30	30.40	58.70	74.00	-15.30	peak		
4		22660.00	10.48	30.40	40.88	54.00	-13.12	AVG		
5		25920.00	30.32	28.17	58.49	74.00	-15.51	peak		
6		25920.00	13.44	28.17	41.61	54.00	-12.39	AVG		

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

●Reference Only



3.6.2 Open Field Radiated Emissions (Subpart C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11b CH6 2437.000 (Local Frequency: 2437.000 MHz)
Test Date : 08/04~09/02/2008

Please refer to next pager 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 ambient noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



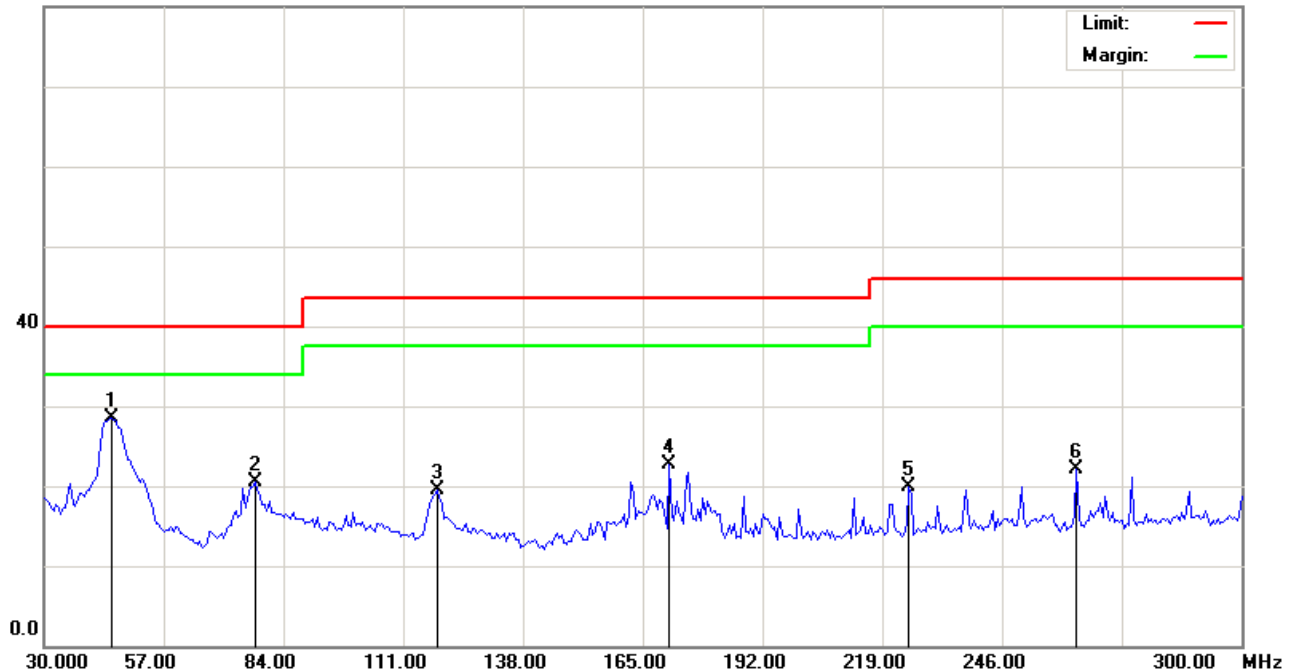
File :colorado 111(2437)

Data :#1

Date: 2008/09/02

Time: 下午 10:05:41

80.0 dBuV



Site

Limit: FCC Class B 3M Radiation

EUT:

M/N: 08-0190

Mode: WIFI(11B)

Note: 2437MHZ

Polarization: *Vertical*

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	45.1200	40.44	-11.84	28.60	40.00	-11.40	peak		
2		77.5200	37.41	-16.86	20.55	40.00	-19.45	peak		
3		118.5600	33.49	-13.96	19.53	43.50	-23.97	peak		
4		170.9400	38.02	-15.27	22.75	43.50	-20.75	peak		
5		224.9400	31.95	-12.14	19.81	46.00	-26.19	peak		
6		262.7400	33.17	-11.13	22.04	46.00	-23.96	peak		

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

●Reference Only



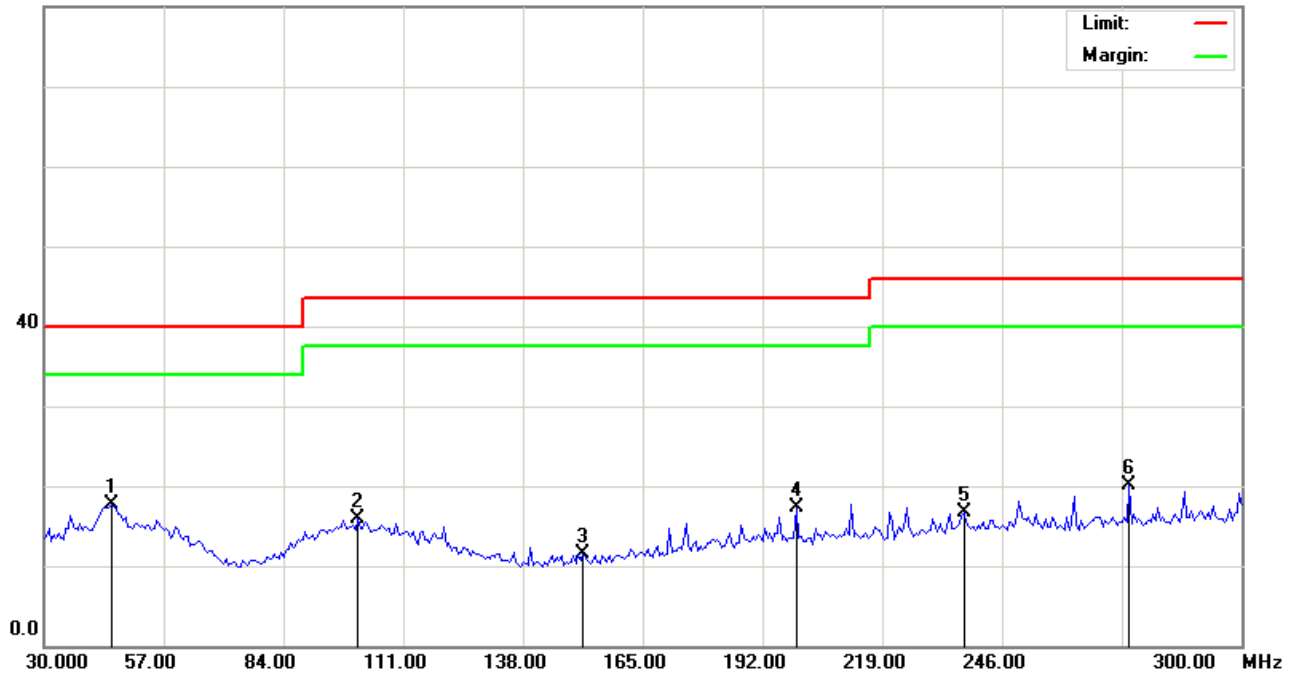
File :colorado 111(2437)

Data :#3

Date: 2008/09/02

Time: 下午 10:14:12

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2437MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	45.1200	29.57	-11.84	17.73	40.00	-22.27	peak		
2		100.7400	27.72	-11.81	15.91	43.50	-27.59	peak		
3		151.5000	27.55	-15.98	11.57	43.50	-31.93	peak		
4		199.5600	30.44	-13.17	17.27	43.50	-26.23	peak		
5		237.3600	28.28	-11.59	16.69	46.00	-29.31	peak		
6		274.6200	30.97	-10.81	20.16	46.00	-25.84	peak		

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

●Reference Only



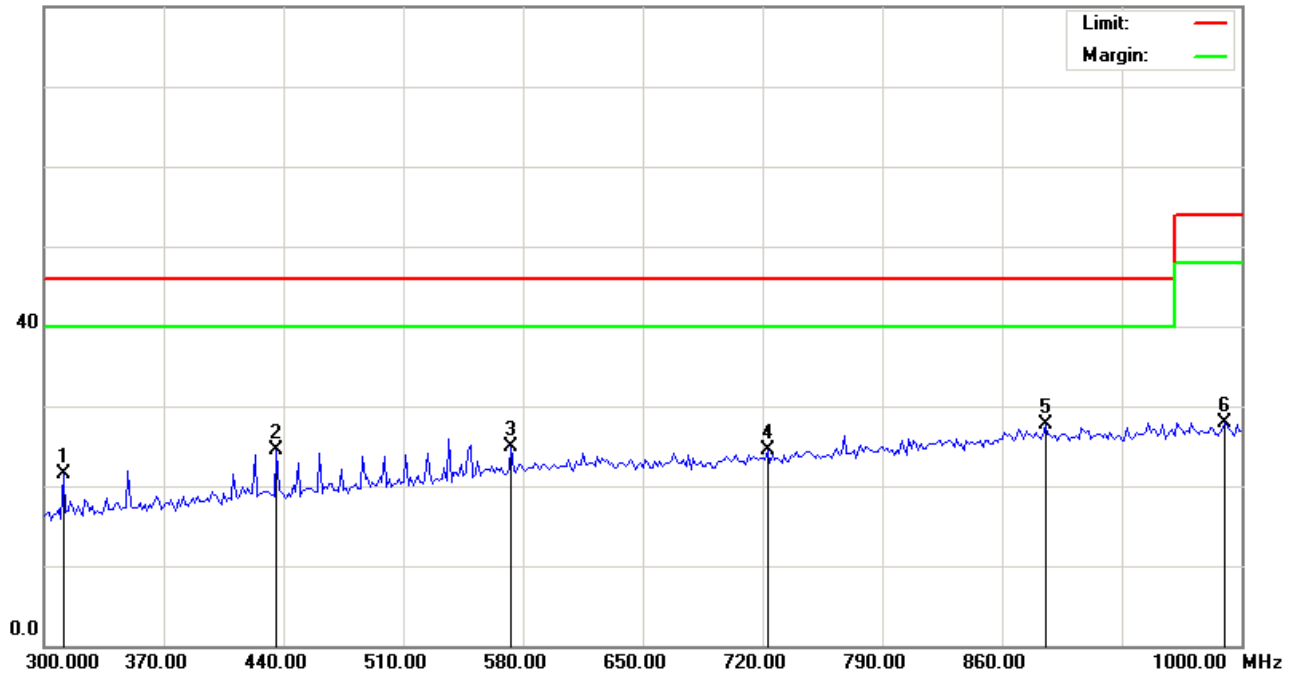
File :colorado 111(2437)

Data :#2

Date: 2008/09/02

Time: 下午 10:09:57

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2437MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		311.2000	31.33	-9.82	21.51	46.00	-24.49	peak		
2		435.8000	32.55	-7.99	24.56	46.00	-21.44	peak		
3		573.0000	30.36	-5.41	24.95	46.00	-21.05	peak		
4		722.8000	28.01	-3.54	24.47	46.00	-21.53	peak		
5	*	885.2000	27.76	-0.14	27.62	46.00	-18.38	peak		
6		990.2000	27.06	0.93	27.99	54.00	-26.01	peak		

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

●Reference Only



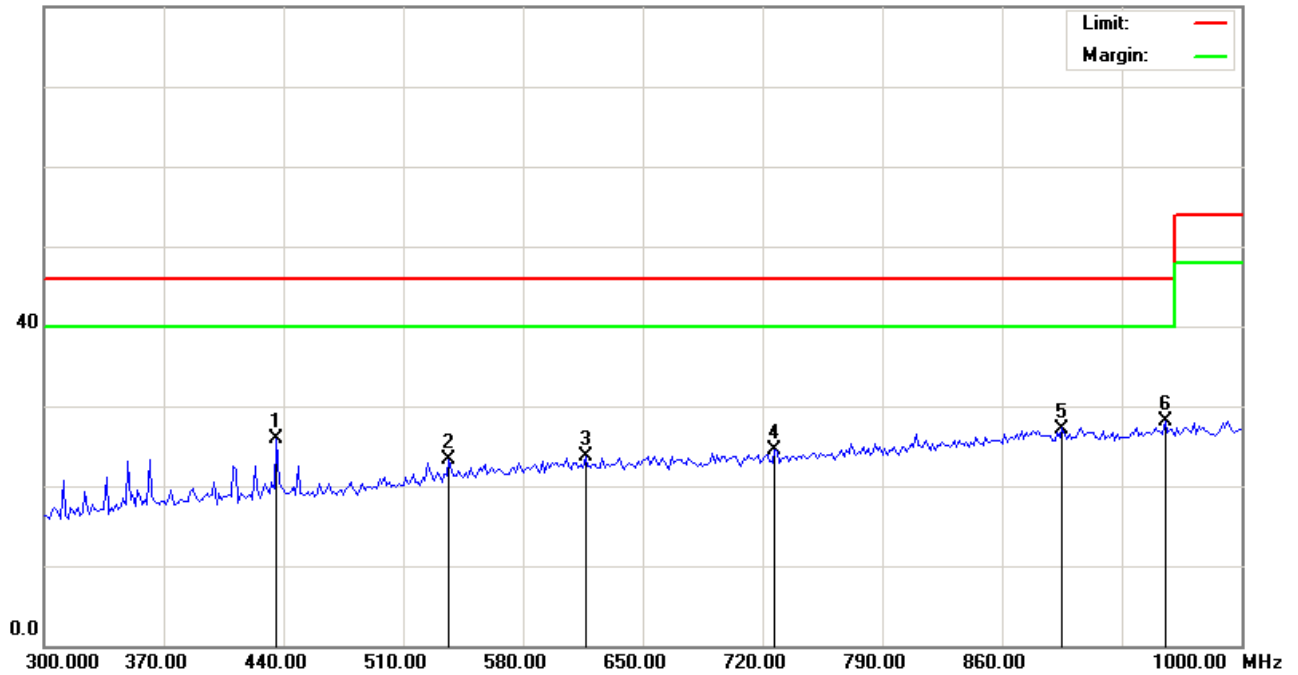
File :colorado 111(2437)

Data :#4

Date: 2008/09/02

Time: 下午 10:18:29

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2437MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		435.8000	33.90	-7.99	25.91	46.00	-20.09	peak		
2		536.6000	29.66	-6.31	23.35	46.00	-22.65	peak		
3		616.4000	28.10	-4.39	23.71	46.00	-22.29	peak		
4		727.0000	28.13	-3.54	24.59	46.00	-21.41	peak		
5		895.0000	27.71	-0.51	27.20	46.00	-18.80	peak		
6	*	955.2000	27.86	0.25	28.11	46.00	-17.89	peak		

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

●Reference Only



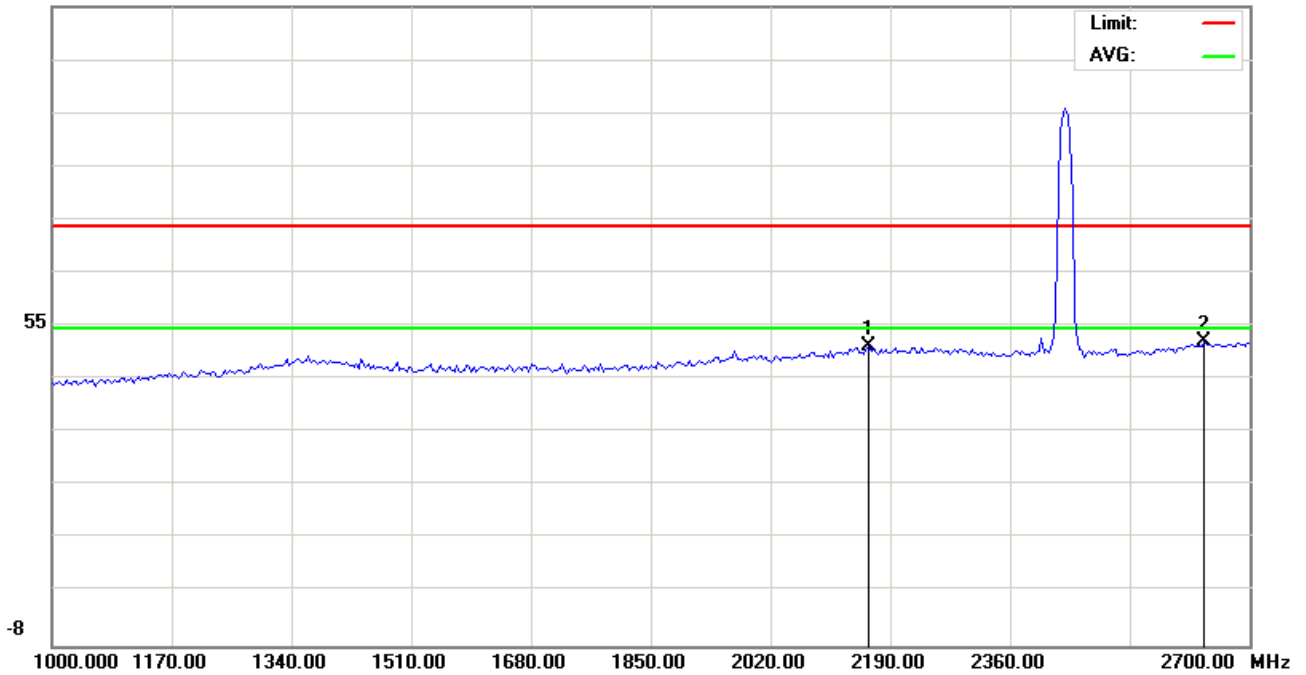
File :colorado 111(2437)

Data :#1

Date: 2008-8-4

Time:

117.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH06(2437MHz)天線在100CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2159.400	50.61	0.00	50.61	74.00	-23.39	peak		
2	*	2635.400	50.53	0.95	51.48	74.00	-22.52	peak		

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

●Reference Only



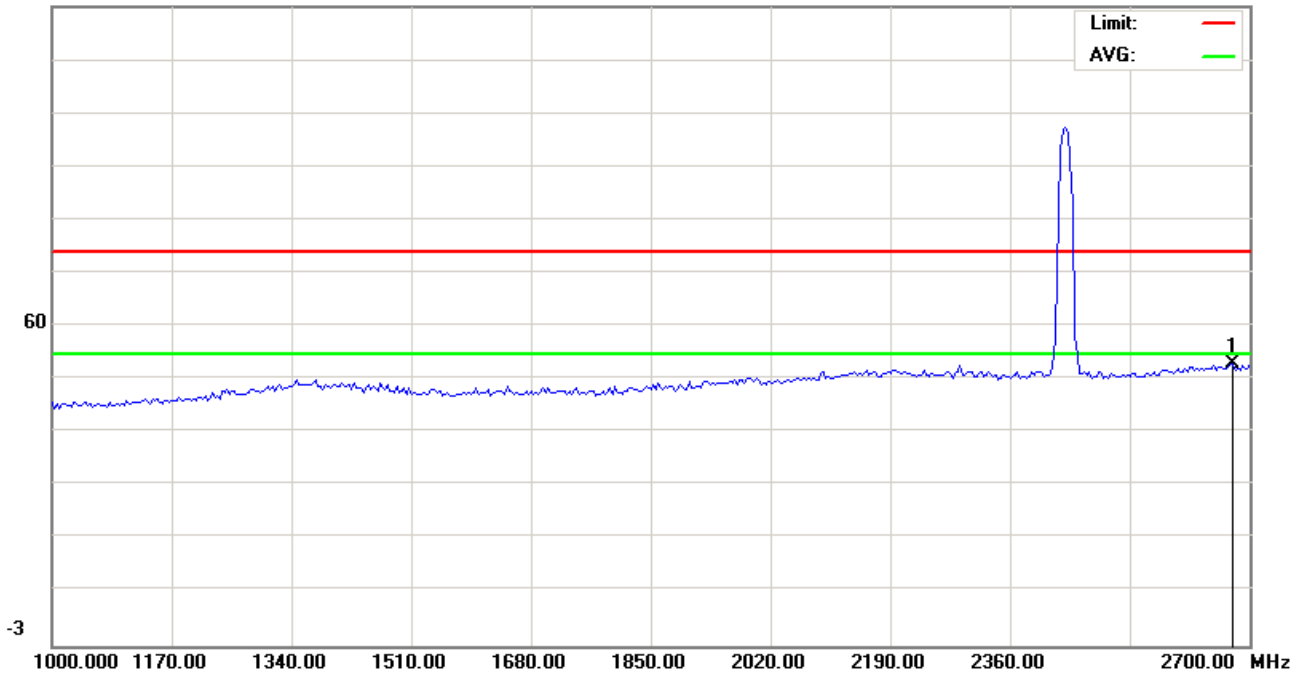
File :colorado 111(2437)

Data :#3

Date: 2008-8-4

Time:

122.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH06(2437MHz)天線在125.5CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2676.200	51.08	1.02	52.10	74.00	-21.90	peak		

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

●Reference Only



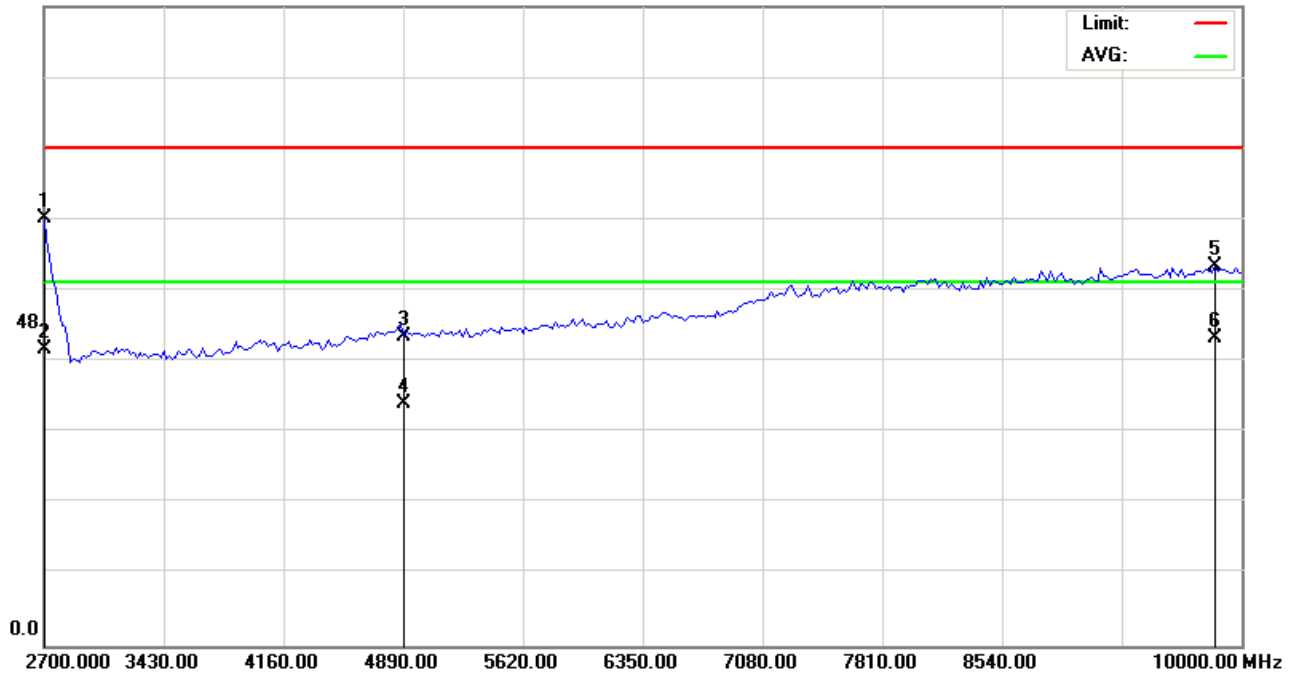
File :colorado 111(2437)

Data :#5

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH06(2437MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2700.000	41.00	22.58	63.58	74.00	-10.42	peak			
2		2700.000	21.36	22.58	43.94	54.00	-10.06	AVG			
3		4874.000	38.33	7.72	46.05	74.00	-27.95	peak			
4		4874.000	28.37	7.72	36.09	54.00	-17.91	AVG			
5		9835.750	38.52	17.83	56.35	74.00	-17.65	peak			
6	*	9835.750	27.81	17.83	45.64	54.00	-8.36	AVG			

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

●Reference Only



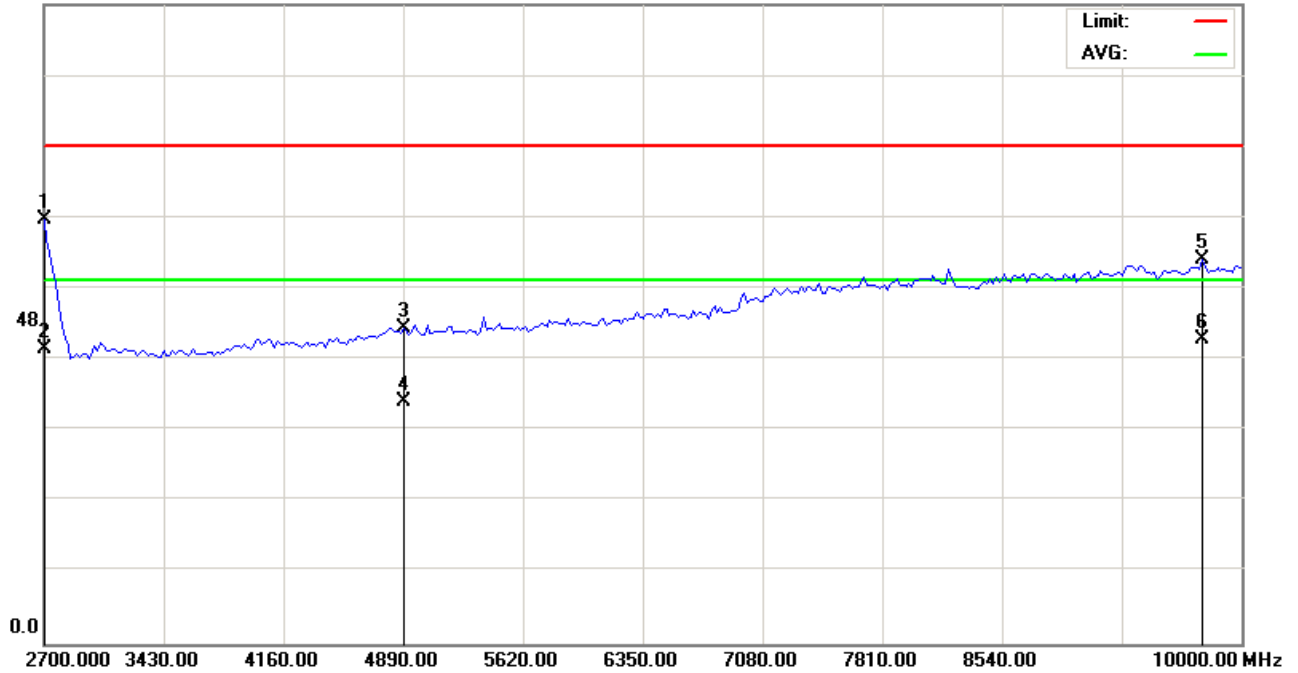
File :colorado 111(2437)

Data :#7

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH06(2437MHz)天線在100CM

2.7G-10G AV Scan

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2700.000	40.55	22.58	63.13	74.00	-10.87	peak		
2		2700.000	21.23	22.58	43.81	54.00	-10.19	AVG		
3		4874.000	39.18	7.72	46.90	74.00	-27.10	peak		
4		4874.000	28.25	7.72	35.97	54.00	-18.03	AVG		
5		9762.750	39.44	17.70	57.14	74.00	-16.86	peak		
6	*	9762.750	27.62	17.70	45.32	54.00	-8.68	AVG		

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

●Reference Only



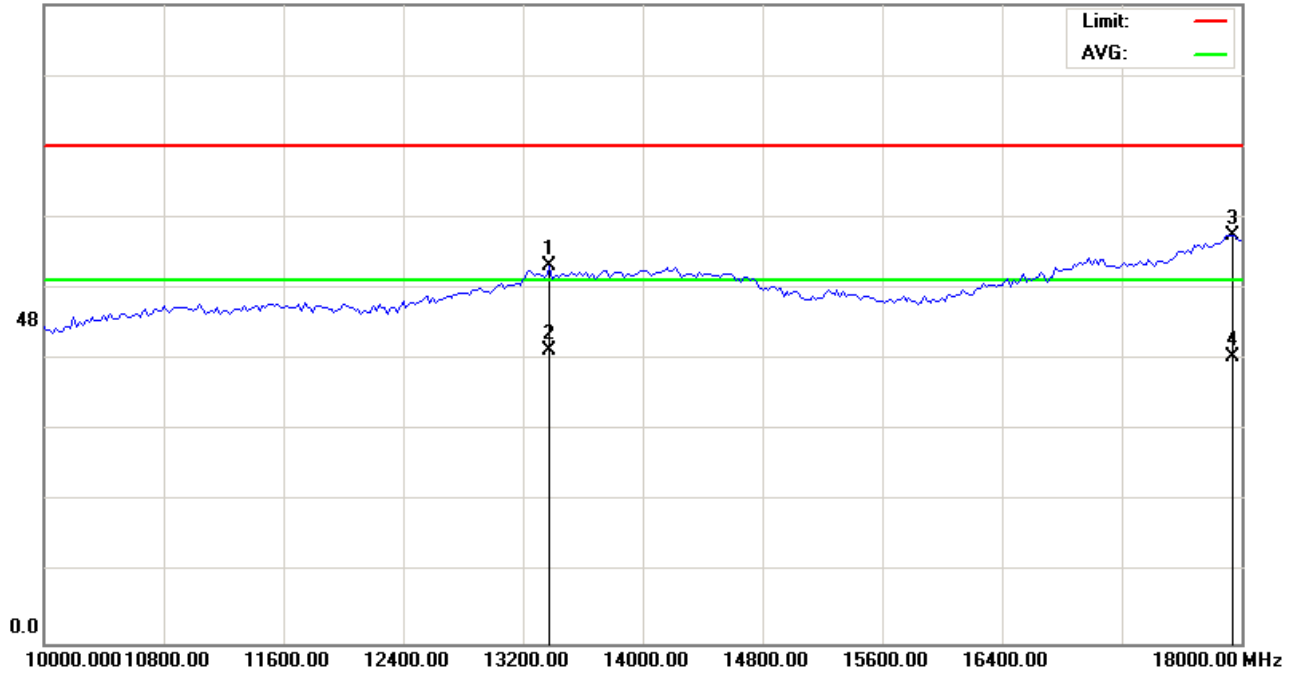
File :colorado 111(2437)

Data :#9

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH06(2437MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		13380.00	28.93	27.14	56.07	74.00	-17.93	peak		
2	*	13380.00	16.42	27.14	43.56	54.00	-10.44	AVG		
3		17940.00	26.49	34.25	60.74	74.00	-13.26	peak		
4		17940.00	8.48	34.25	42.73	54.00	-11.27	AVG		

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

●Reference Only



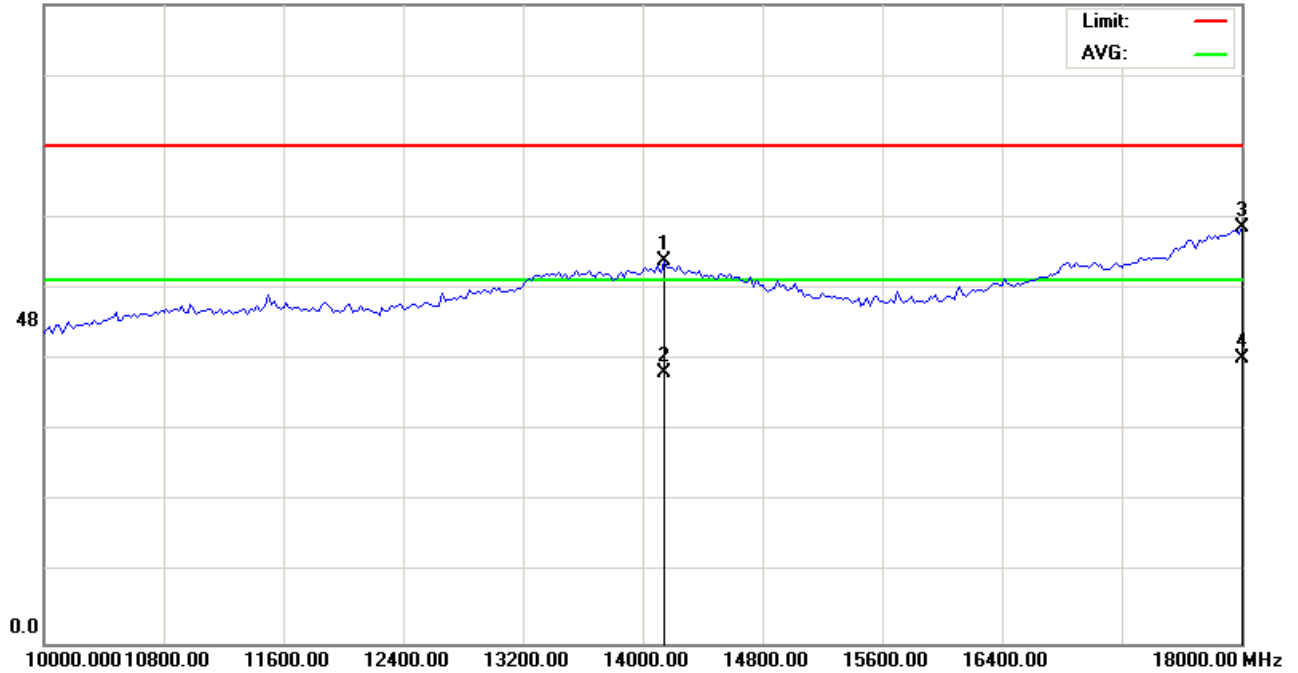
File :colorado 111(2437)

Data :#10

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH06(2437MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14140.00	28.45	28.38	56.83	74.00	-17.17	peak		
2		14140.00	11.77	28.38	40.15	54.00	-13.85	AVG		
3		18000.00	26.72	35.11	61.83	74.00	-12.17	peak		
4	*	18000.00	7.27	35.11	42.38	54.00	-11.62	AVG		

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

●Reference Only



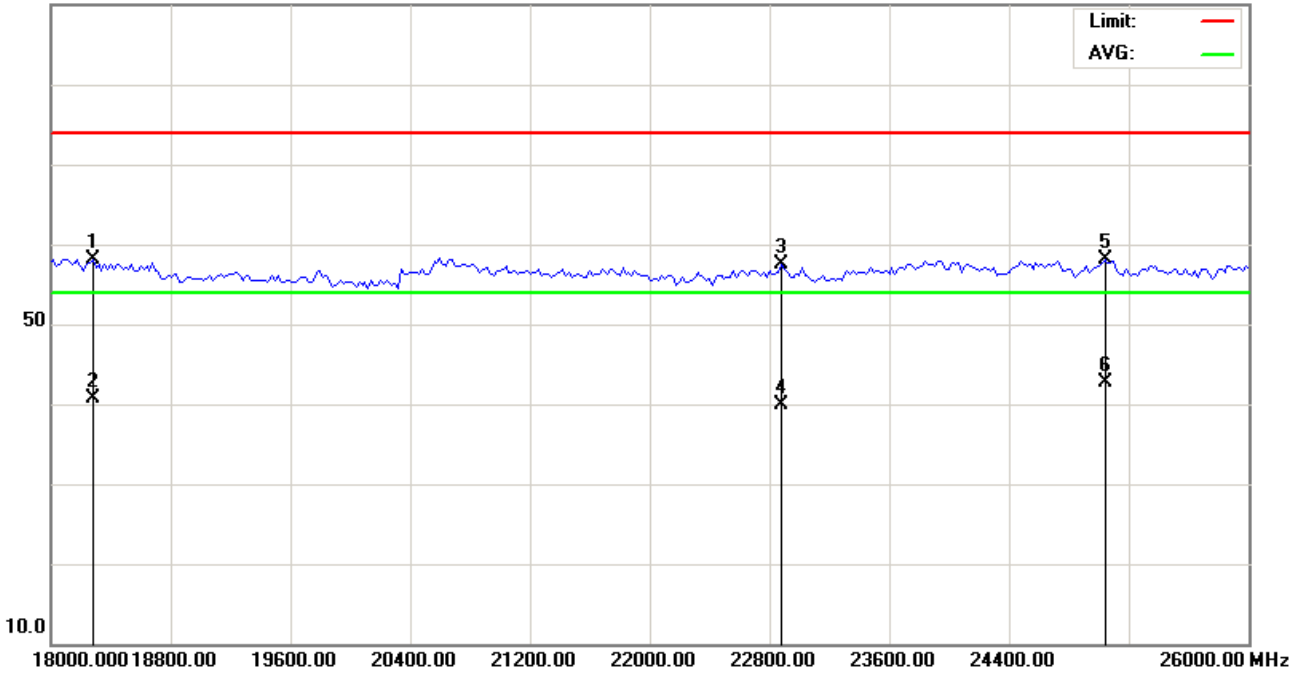
File :colorado 111(2437)

Data :#11

Date: 2008/8/5

Time:

90.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		18280.00	23.91	34.18	58.09	74.00	-15.91	peak		
2		18280.00	6.57	34.18	40.75	54.00	-13.25	AVG		
3		22880.00	27.26	30.25	57.51	74.00	-16.49	peak		
4		22880.00	9.63	30.25	39.88	54.00	-14.12	AVG		
5		25040.00	29.29	28.77	58.06	74.00	-15.94	peak		
6	*	25040.00	13.84	28.77	42.61	54.00	-11.39	AVG		

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

●Reference Only



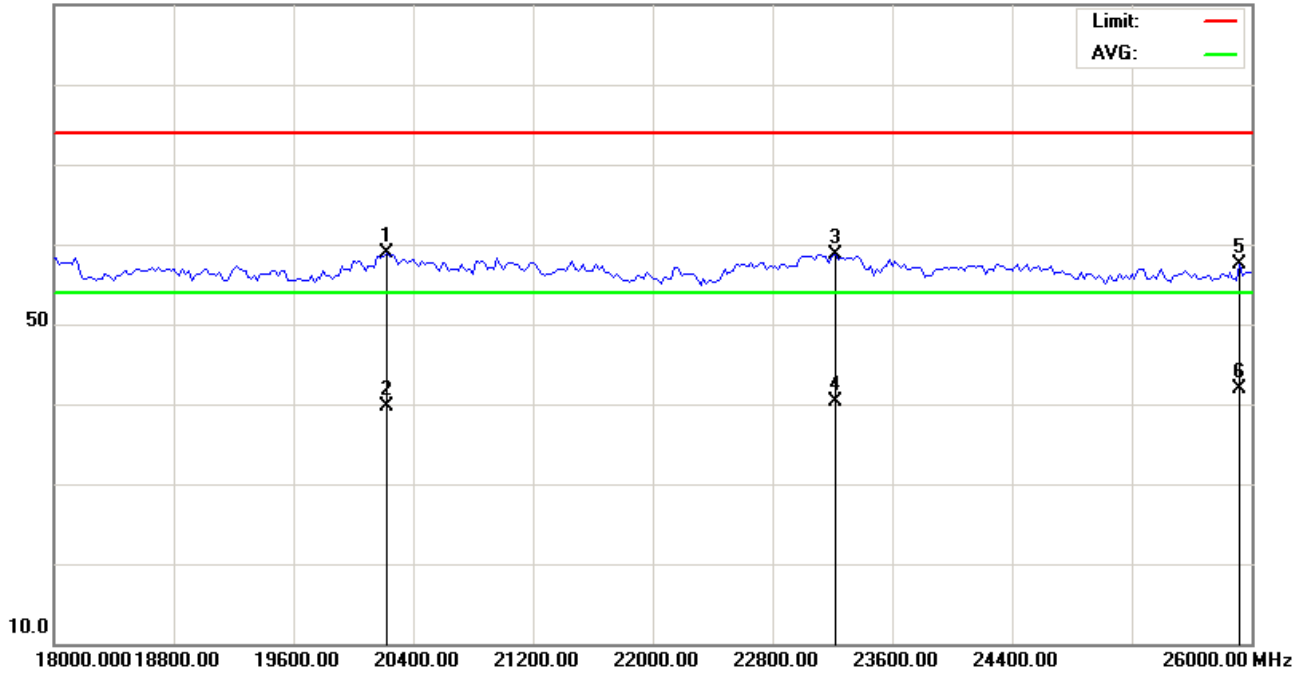
File :colorado 111(2437)

Data :#12

Date: 2008/8/5

Time:

90.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		20220.00	26.86	32.06	58.92	74.00	-15.08	peak		
2		20220.00	7.63	32.06	39.69	54.00	-14.31	AVG		
3		23220.00	28.74	30.01	58.75	74.00	-15.25	peak		
4		23220.00	10.26	30.01	40.27	54.00	-13.73	AVG		
5		25920.00	29.32	28.17	57.49	74.00	-16.51	peak		
6	*	25920.00	13.71	28.17	41.88	54.00	-12.12	AVG		

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

●Reference Only



3.6.3 Open Field Radiated Emissions (Subpart C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11b CH11 2462.000 (Local Frequency: 2462.000 MHz)
Test Date : 08/04~09/02/2008

Please refer to next pager 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 ambient noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



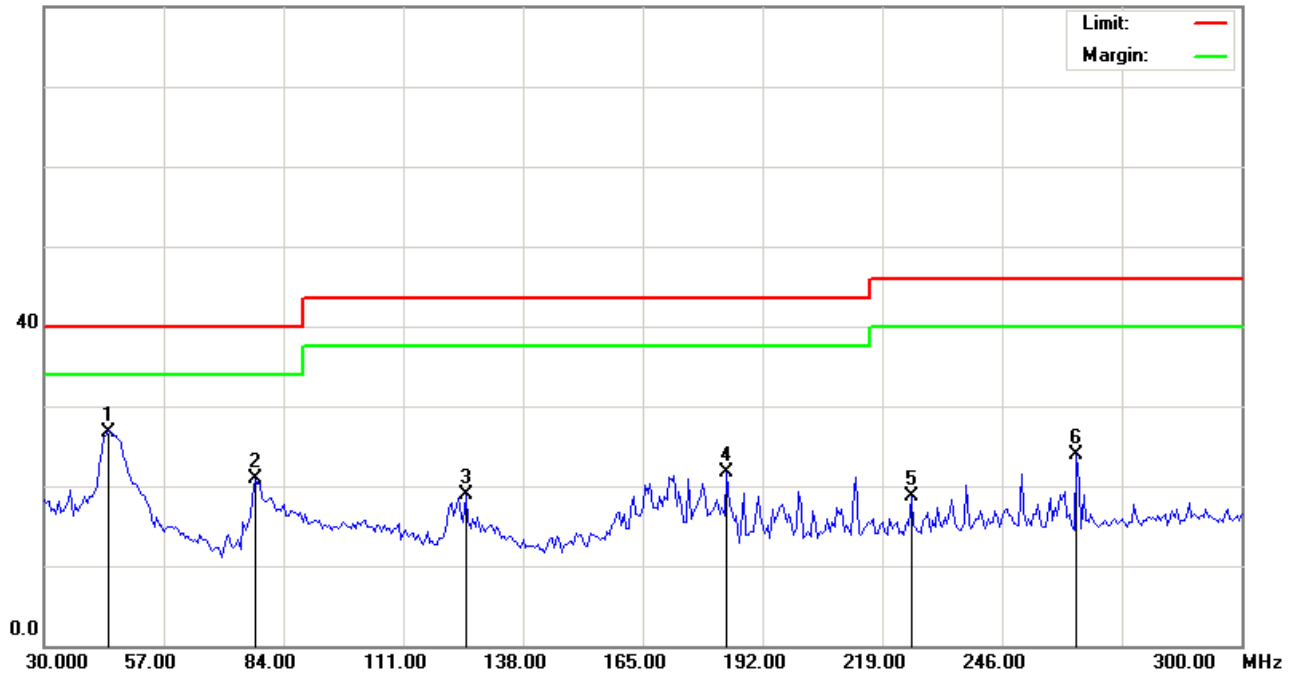
File :colorado 111(2462)

Data :#1

Date: 2008/09/02

Time: 下午 10:33:26

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2462MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	44.5800	38.64	-11.84	26.80	40.00	-13.20	peak		
2		77.5200	37.77	-16.86	20.91	40.00	-19.09	peak		
3		125.0400	33.89	-15.04	18.85	43.50	-24.65	peak		
4		183.9000	35.65	-13.93	21.72	43.50	-21.78	peak		
5		225.4800	30.83	-12.12	18.71	46.00	-27.29	peak		
6		262.7400	35.11	-11.13	23.98	46.00	-22.02	peak		

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

●Reference Only



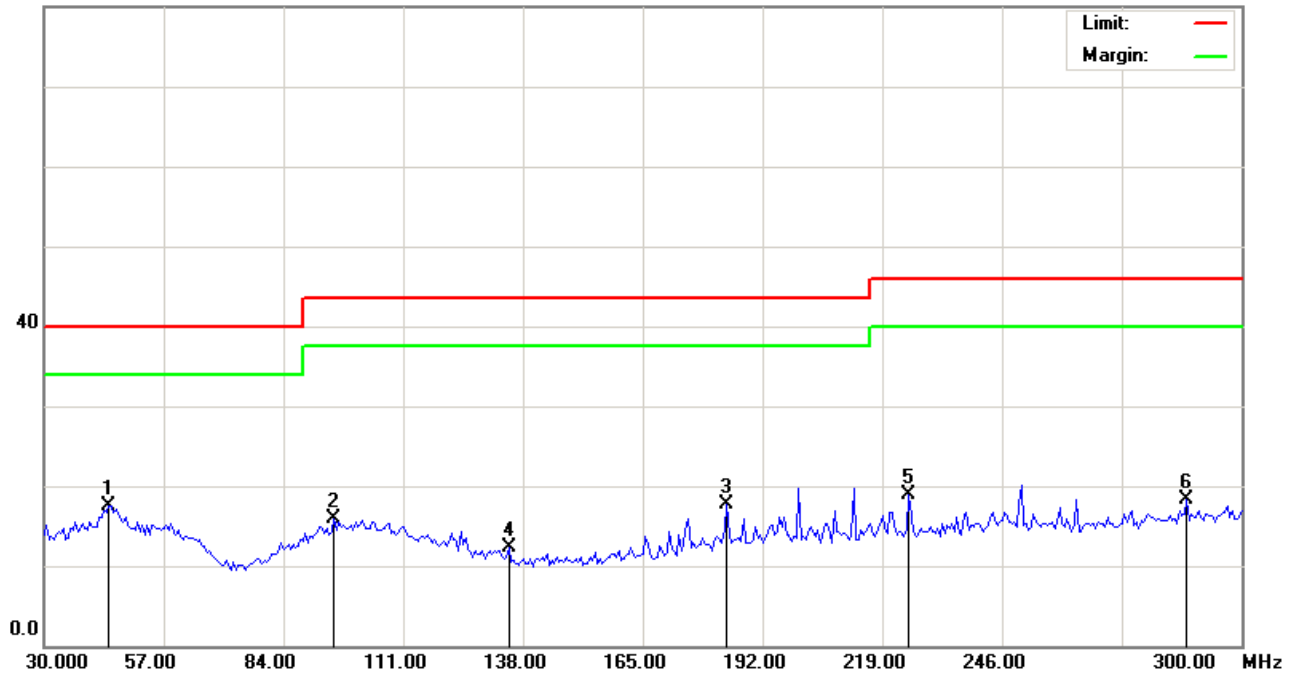
File :colorado 111(2462)

Data :#3

Date: 2008/09/02

Time: 下午 10:41:58

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2462MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	44.5800	29.29	-11.84	17.45	40.00	-22.55	peak		
2		95.3400	27.83	-12.02	15.81	43.50	-27.69	peak		
3		183.9000	31.67	-13.93	17.74	43.50	-25.76	peak		
4		134.7600	28.33	-15.95	12.38	43.50	-31.12	peak		
5		224.9400	30.95	-12.14	18.81	46.00	-27.19	peak		
6		287.5800	28.36	-10.15	18.21	46.00	-27.79	peak		

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

●Reference Only



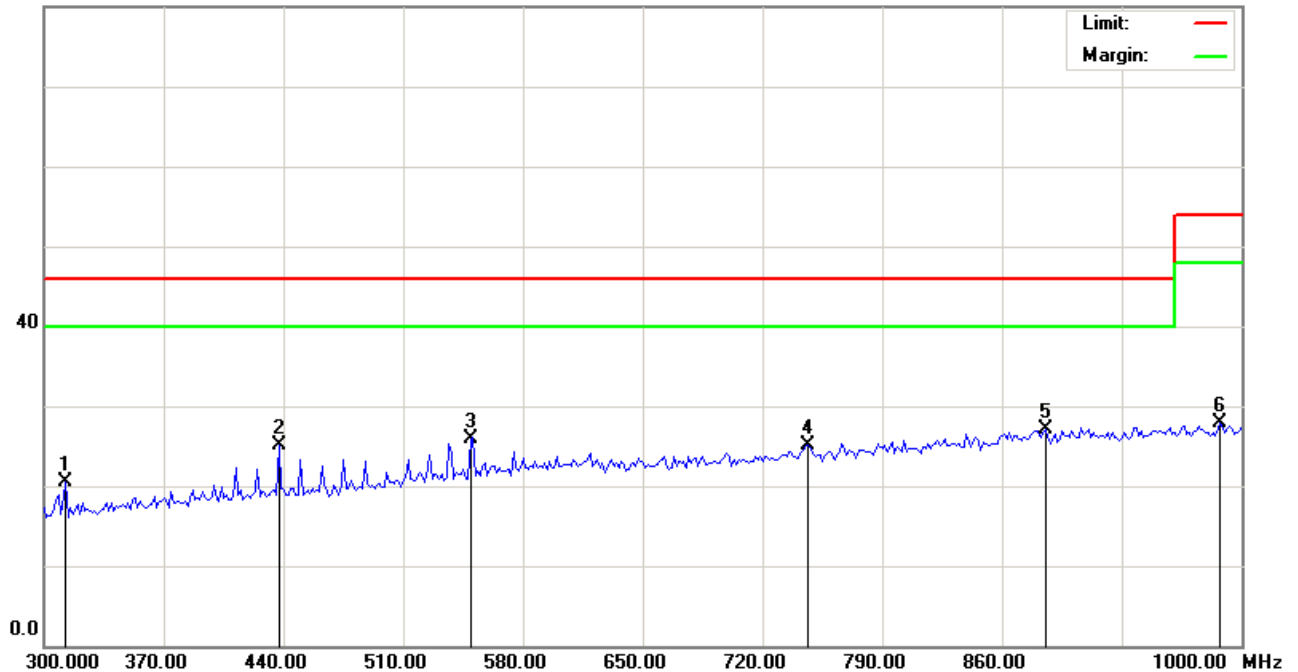
File :colorado 111(2462)

Data :#2

Date: 2008/09/02

Time: 下午 10:37:42

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2462MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		312.6000	30.29	-9.79	20.50	46.00	-25.50	peak		
2		437.2000	33.04	-7.99	25.05	46.00	-20.95	peak		
3		549.2000	31.96	-6.01	25.95	46.00	-20.05	peak		
4		746.6000	28.18	-3.11	25.07	46.00	-20.93	peak		
5	*	885.2000	27.25	-0.14	27.11	46.00	-18.89	peak		
6		987.4000	27.21	0.73	27.94	54.00	-26.06	peak		

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

●Reference Only



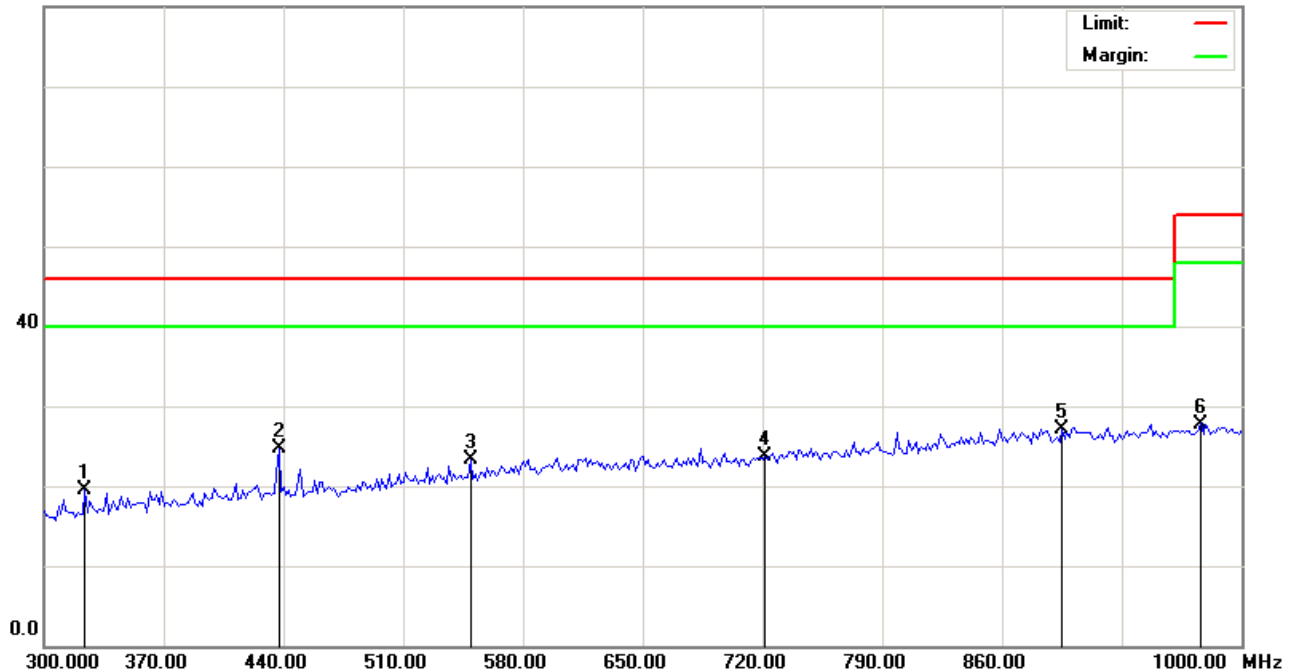
File :colorado 111(2462)

Data :#4

Date: 2008/09/02

Time: 下午 10:46:15

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11B)

Note: 2462MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		323.8000	29.17	-9.65	19.52	46.00	-26.48	peak		
2		437.2000	32.66	-7.99	24.67	46.00	-21.33	peak		
3		549.2000	29.36	-6.01	23.35	46.00	-22.65	peak		
4		721.4000	27.30	-3.54	23.76	46.00	-22.24	peak		
5	*	895.0000	27.68	-0.51	27.17	46.00	-18.83	peak		
6		976.2000	27.20	0.60	27.80	54.00	-26.20	peak		

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

●Reference Only



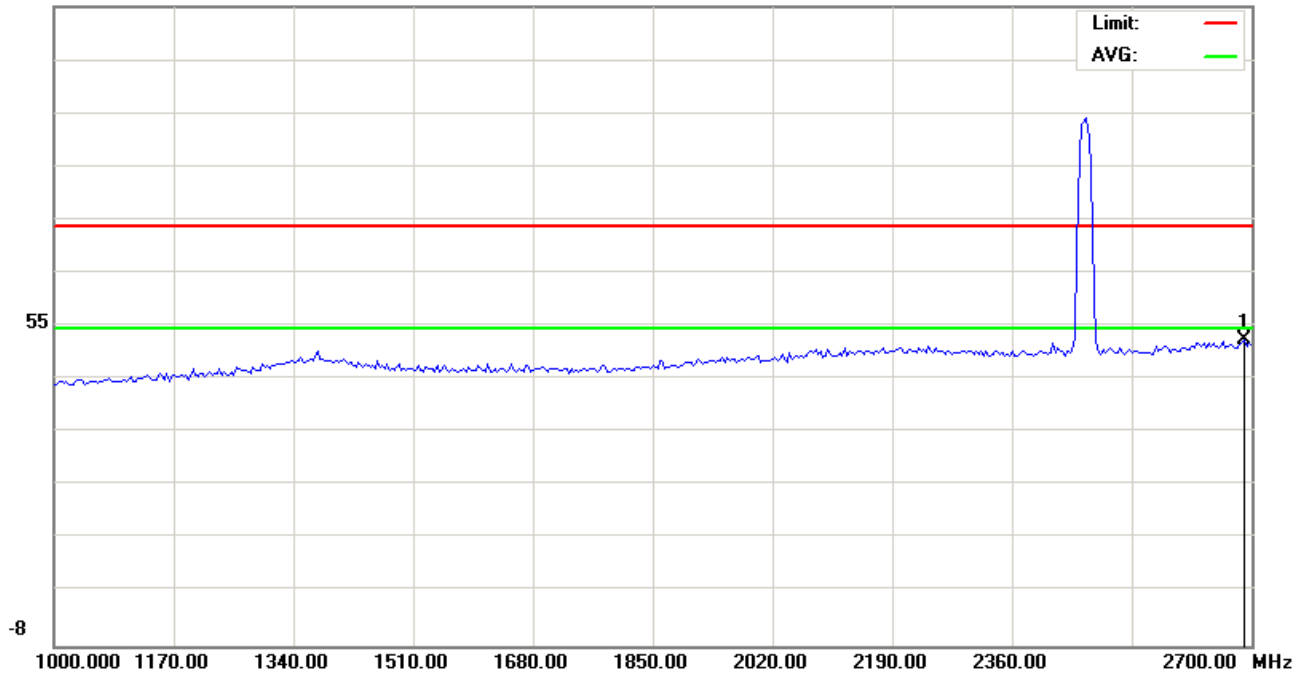
File :colorado 111(2462)

Data :#1

Date: 2008-8-4

Time:

117.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH11(2462MHz)天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2689.800	50.79	1.03	51.82	74.00	-22.18	peak		

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

●Reference Only



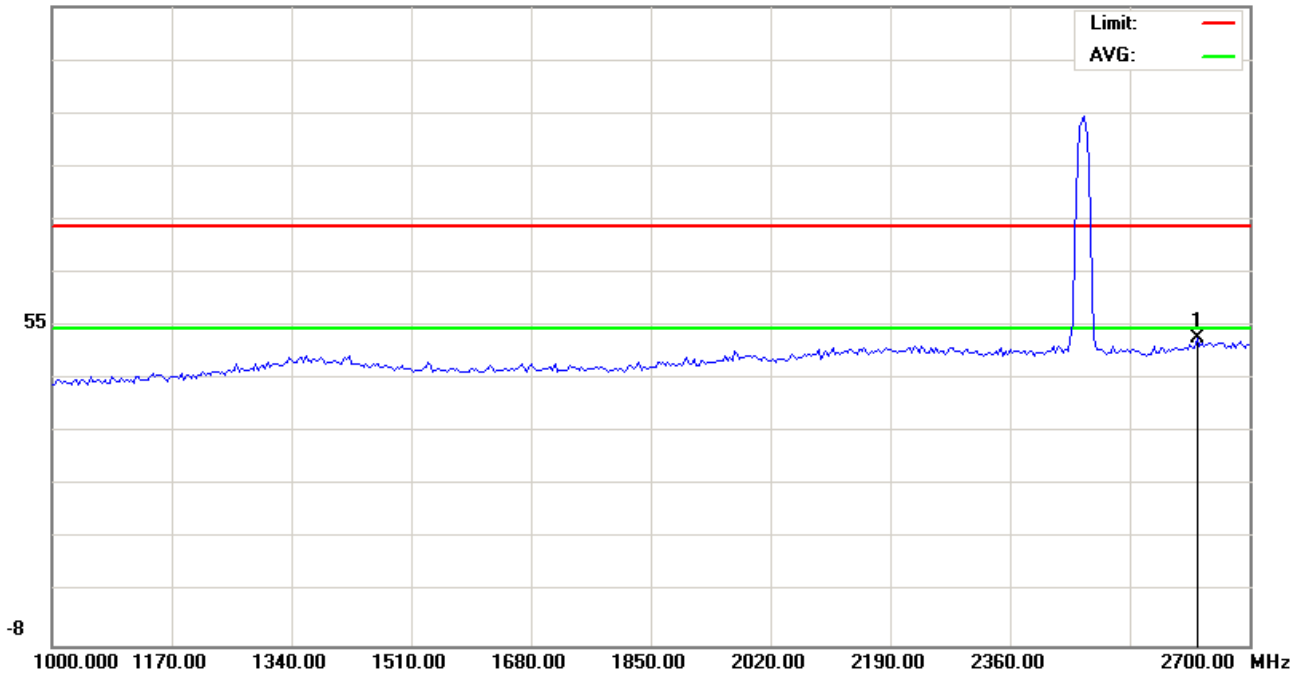
File :colorado 111(2462)

Data :#3

Date: 2008-8-5

Time:

117.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH11(2462MHz)天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2625.200	51.28	0.84	52.12	74.00	-21.88	peak		

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

●Reference Only



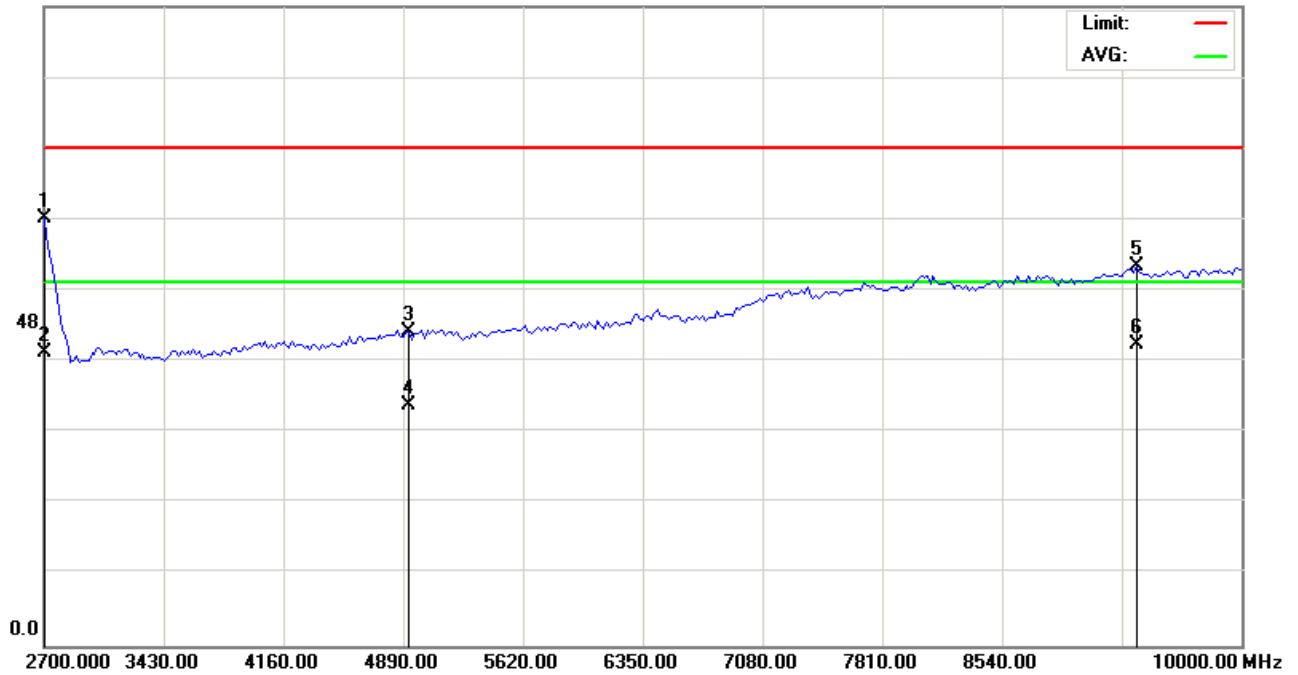
File :colorado 111(2462)

Data :#5

Date: 2008/8/5

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH11(2462MHz)天線在100CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2700.000	40.89	22.58	63.47	74.00	-10.53	peak		
2		2700.000	21.09	22.58	43.67	54.00	-10.33	AVG		
3		4924.000	39.00	7.65	46.65	74.00	-27.35	peak		
4		4924.000	28.11	7.65	35.76	54.00	-18.24	AVG		
5		9361.250	39.49	16.98	56.47	74.00	-17.53	peak		
6	*	9361.250	27.78	16.98	44.76	54.00	-9.24	AVG		

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

●Reference Only



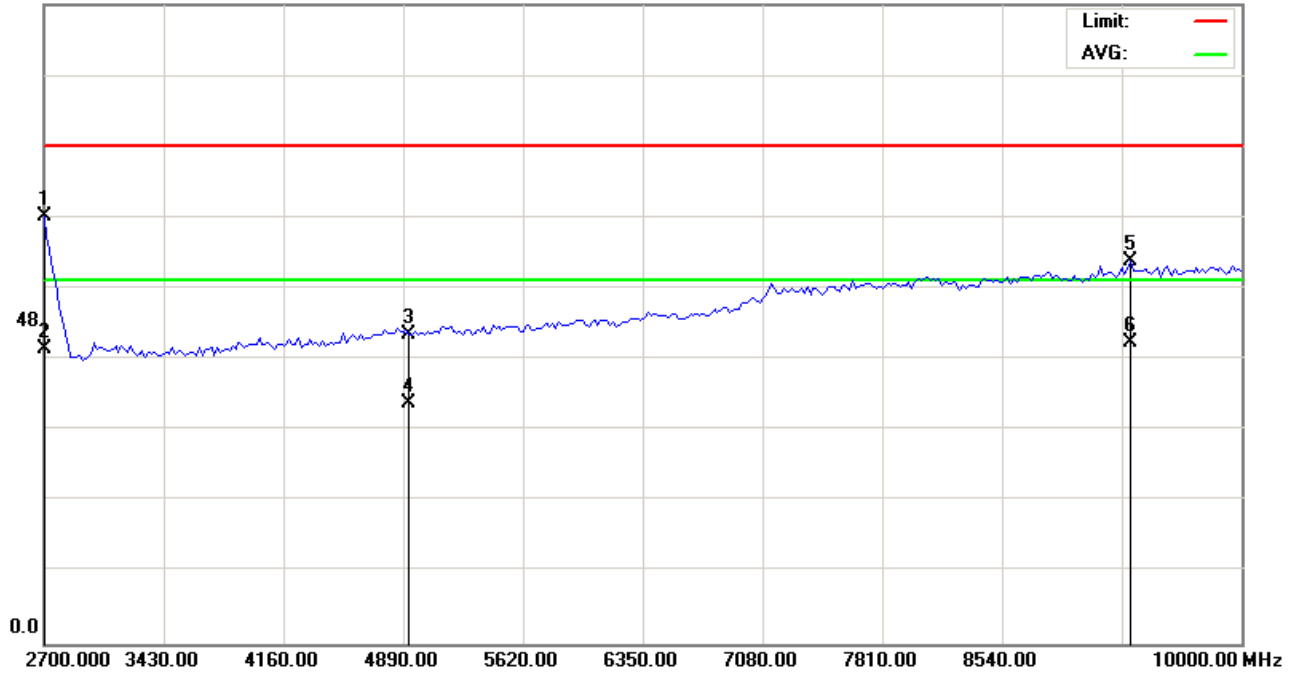
File :colorado 111(2462)

Data :#7

Date: 2008/8/6

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: CH11(2462MHz)

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2700.000	41.06	22.58	63.64	74.00	-10.36			peak
2		2700.000	21.21	22.58	43.79	54.00	-10.21			AVG
3		4924.000	38.41	7.65	46.06	74.00	-27.94			peak
4		4924.000	28.08	7.65	35.73	54.00	-18.27			AVG
5		9324.750	39.86	16.91	56.77	74.00	-17.23			peak
6	*	9324.750	27.84	16.91	44.75	54.00	-9.25			AVG

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

●Reference Only



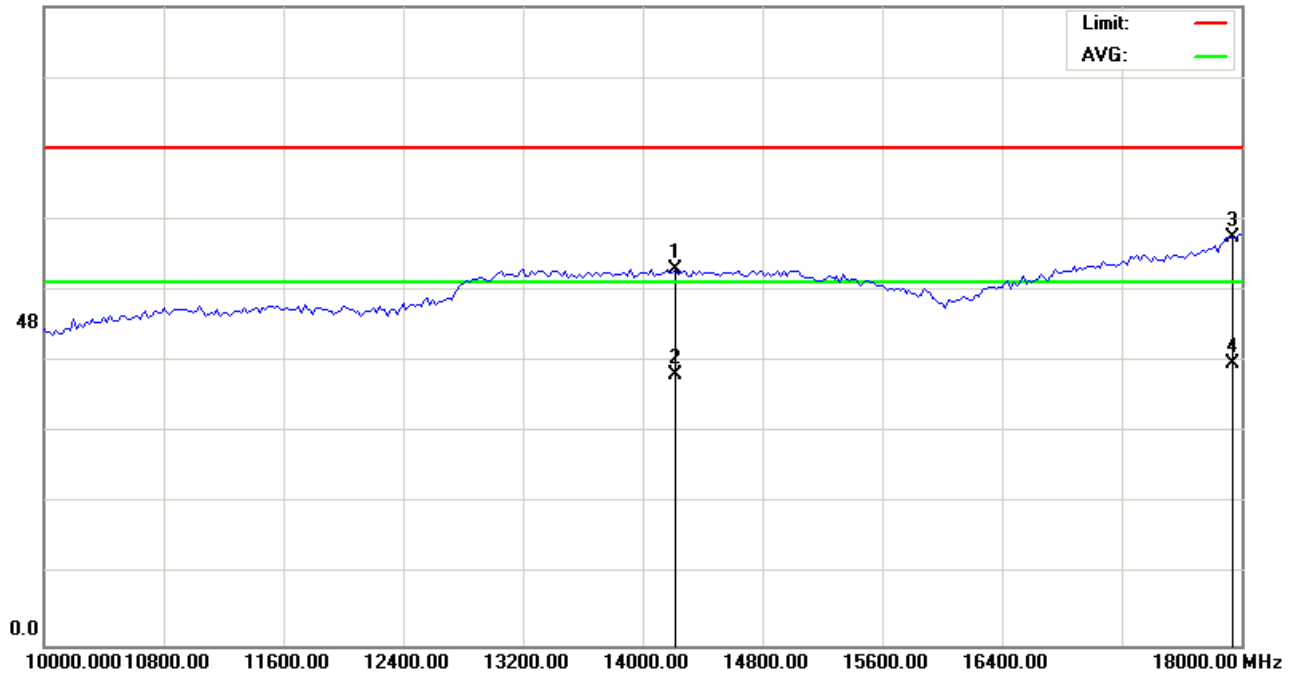
File :colorado 111(2462)

Data :#9

Date: 2008/8/6

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH11(2462MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14220.00	27.54	28.32	55.86	74.00	-18.14	peak		
2		14220.00	12.01	28.32	40.33	54.00	-13.67	AVG		
3		17940.00	26.49	34.25	60.74	74.00	-13.26	peak		
4	*	17940.00	7.57	34.25	41.82	54.00	-12.18	AVG		

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

●Reference Only



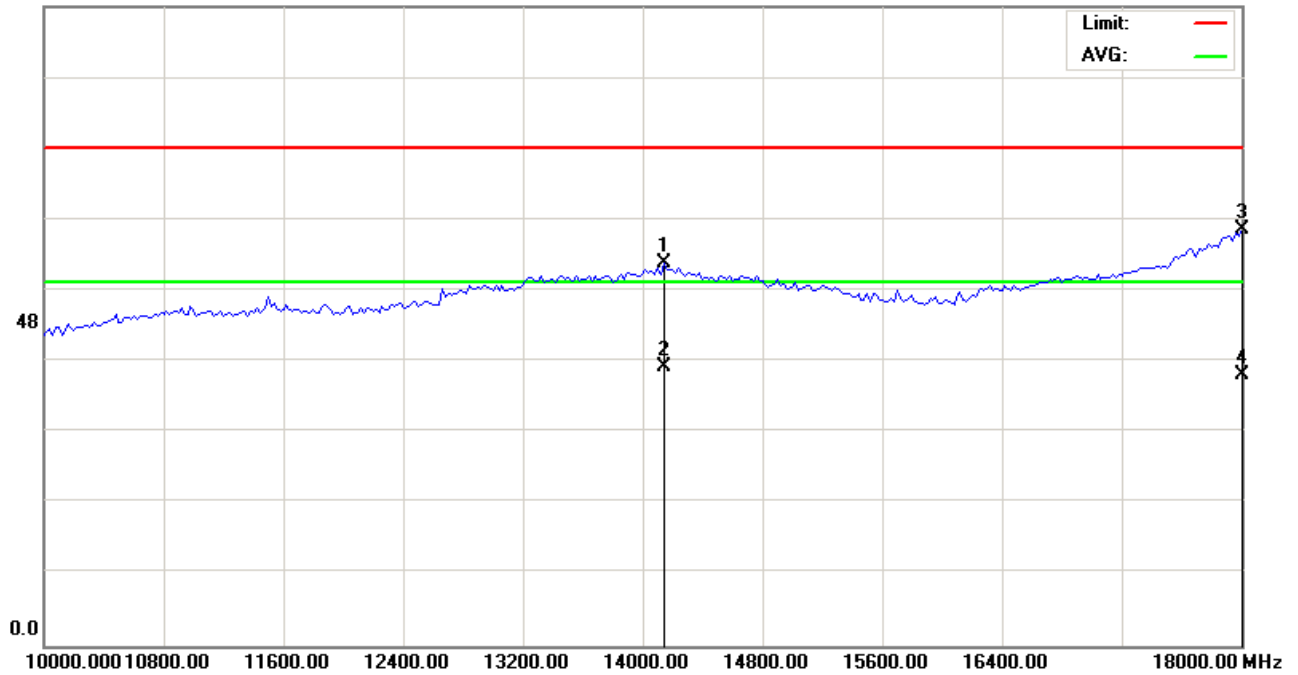
File :colorado 111(2462)

Data :#10

Date: 2008/8/6

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH11(2462MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14140.00	28.45	28.38	56.83	74.00	-17.17	peak		
2		14140.00	13.03	28.38	41.41	54.00	-12.59	AVG		
3	*	18000.00	26.72	35.11	61.83	74.00	-12.17	peak		
4		18000.00	5.24	35.11	40.35	54.00	-13.65	AVG		

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

●Reference Only



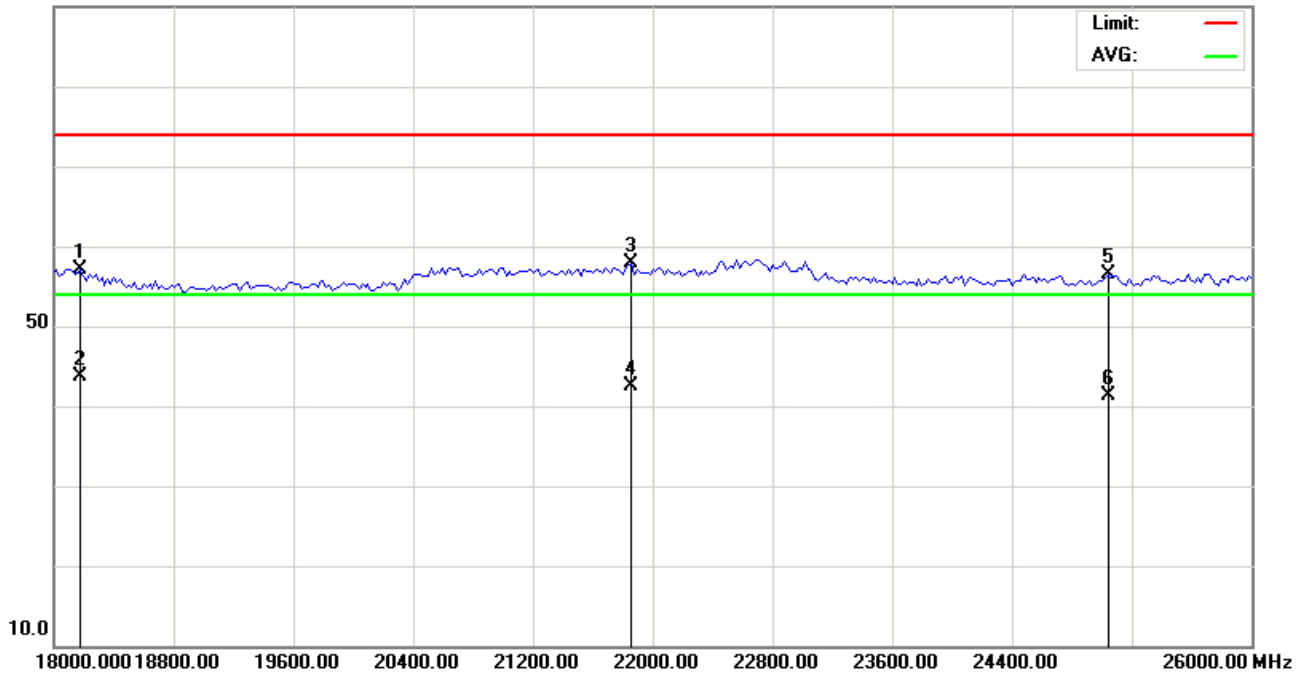
File :colorado 111(2462)

Data :#11

Date: 2008/8/6

Time:

90.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		18180.00	22.83	34.34	57.17	74.00	-16.83	peak		
2	*	18180.00	9.32	34.34	43.66	54.00	-10.34	AVG		
3		21860.00	27.03	30.94	57.97	74.00	-16.03	peak		
4		21860.00	11.56	30.94	42.50	54.00	-11.50	AVG		
5		25040.00	27.79	28.77	56.56	74.00	-17.44	peak		
6		25040.00	12.60	28.77	41.37	54.00	-12.63	AVG		

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

●Reference Only



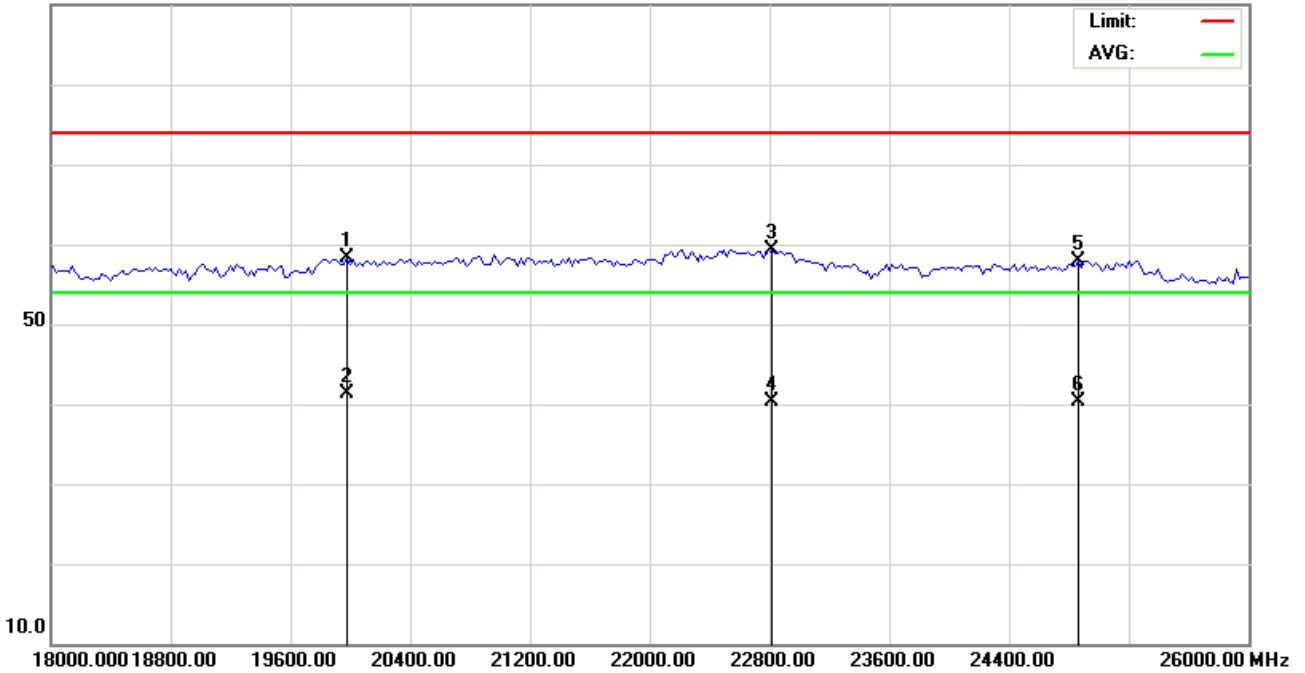
File :colorado 111(2462)

Data :#12

Date: 2008/8/6

Time:

90.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11b

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		19980.00	26.02	32.23	58.25	74.00	-15.75	peak		
2	*	19980.00	9.06	32.23	41.29	54.00	-12.71	AVG		
3		22820.00	29.11	30.29	59.40	74.00	-14.60	peak		
4		22820.00	10.04	30.29	40.33	54.00	-13.67	AVG		
5		24860.00	29.08	28.90	57.98	74.00	-16.02	peak		
6		24860.00	11.48	28.90	40.38	54.00	-13.62	AVG		

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

●Reference Only



3.6.4 Open Field Radiated Emissions (Subpart C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11g CH1 2412.000 (Local Frequency: 2412.000 MHz)
Test Date : 08/04~09/02/2008

Please refer to next pager 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 ambient noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



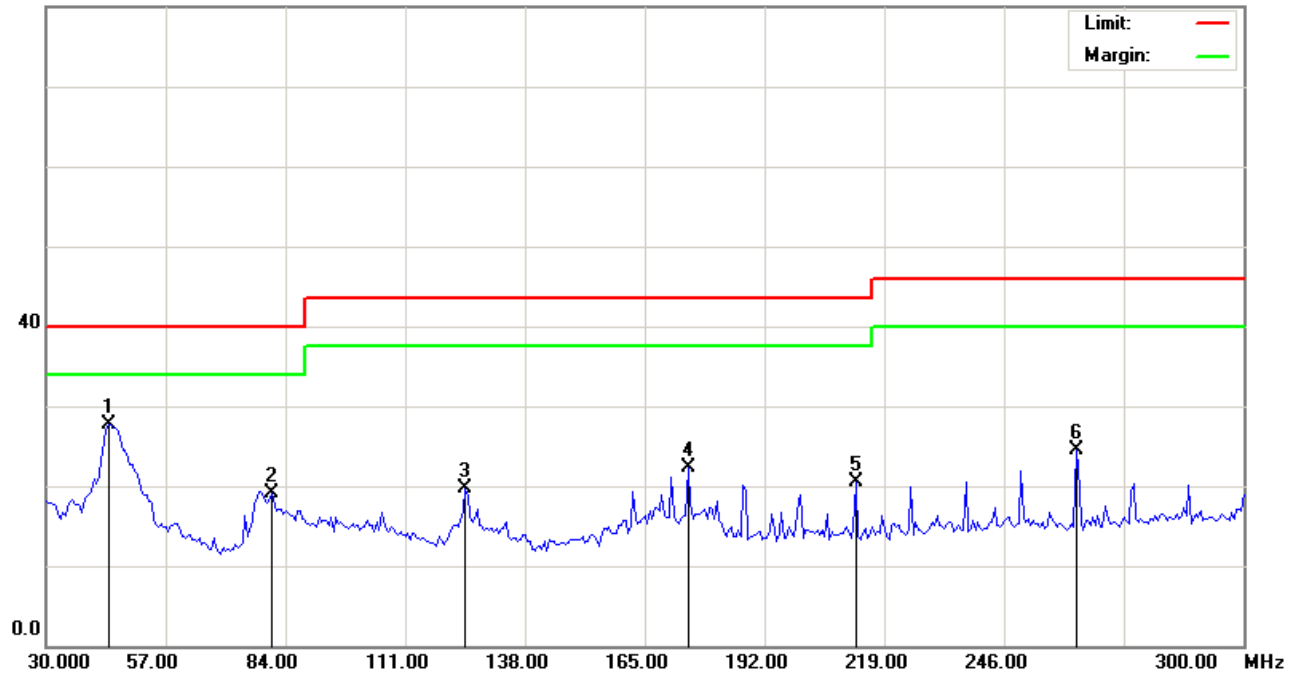
File :colorado 111(2412)

Data :#1

Date: 2008/09/02

Time: 下午 11:05:39

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2412MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	44.0400	39.58	-11.84	27.74	40.00	-12.26	peak		
2		80.7600	35.34	-16.27	19.07	40.00	-20.93	peak		
3		124.5000	34.61	-14.95	19.66	43.50	-23.84	peak		
4		174.7200	37.03	-14.67	22.36	43.50	-21.14	peak		
5		212.5200	33.20	-12.75	20.45	43.50	-23.05	peak		
6		262.2000	35.57	-11.15	24.42	46.00	-21.58	peak		

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

●Reference Only



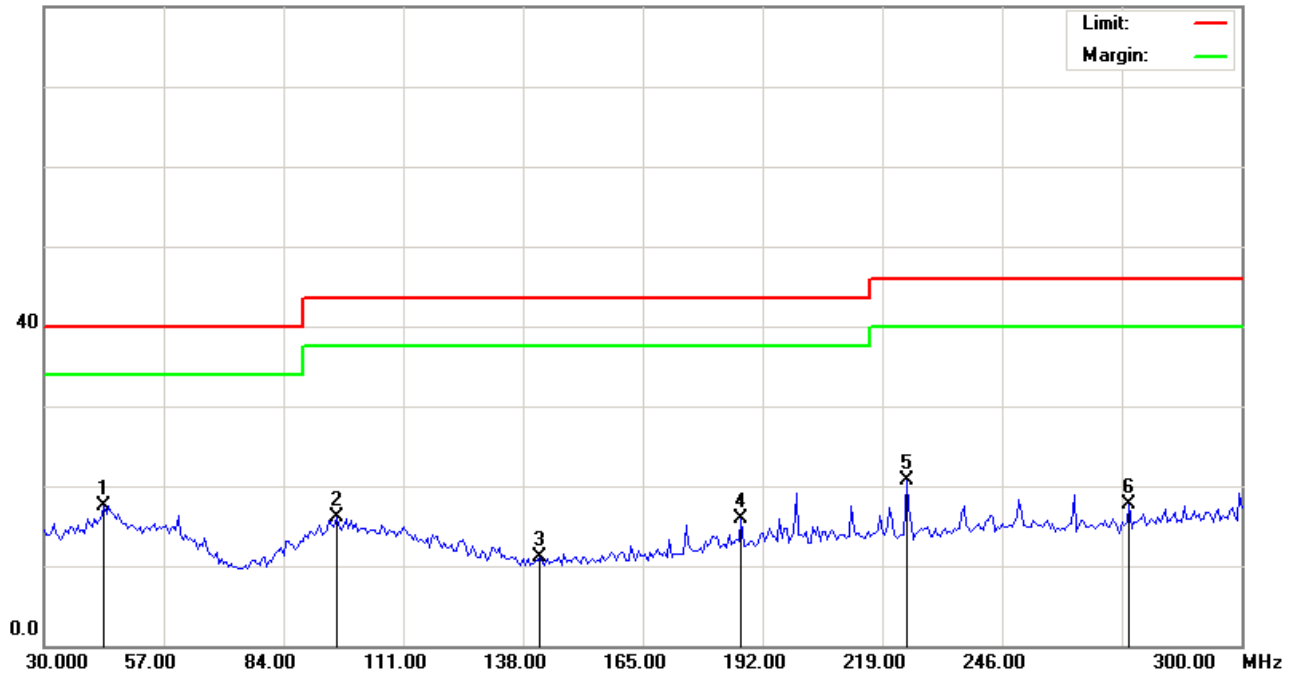
File :colorado 111(2412)

Data :#3

Date: 2008/09/02

Time: 下午 11:14:11

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2412MHZ

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree
1	*	43.5000	29.33	-11.85	17.48	40.00	-22.52	peak		Comment
2		95.8800	28.08	-11.99	16.09	43.50	-27.41	peak		
3		141.7800	27.42	-16.29	11.13	43.50	-32.37	peak		
4		187.1400	29.47	-13.62	15.85	43.50	-27.65	peak		
5		224.4000	32.96	-12.16	20.80	46.00	-25.20	peak		
6		274.6200	28.58	-10.81	17.77	46.00	-28.23	peak		

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

●Reference Only



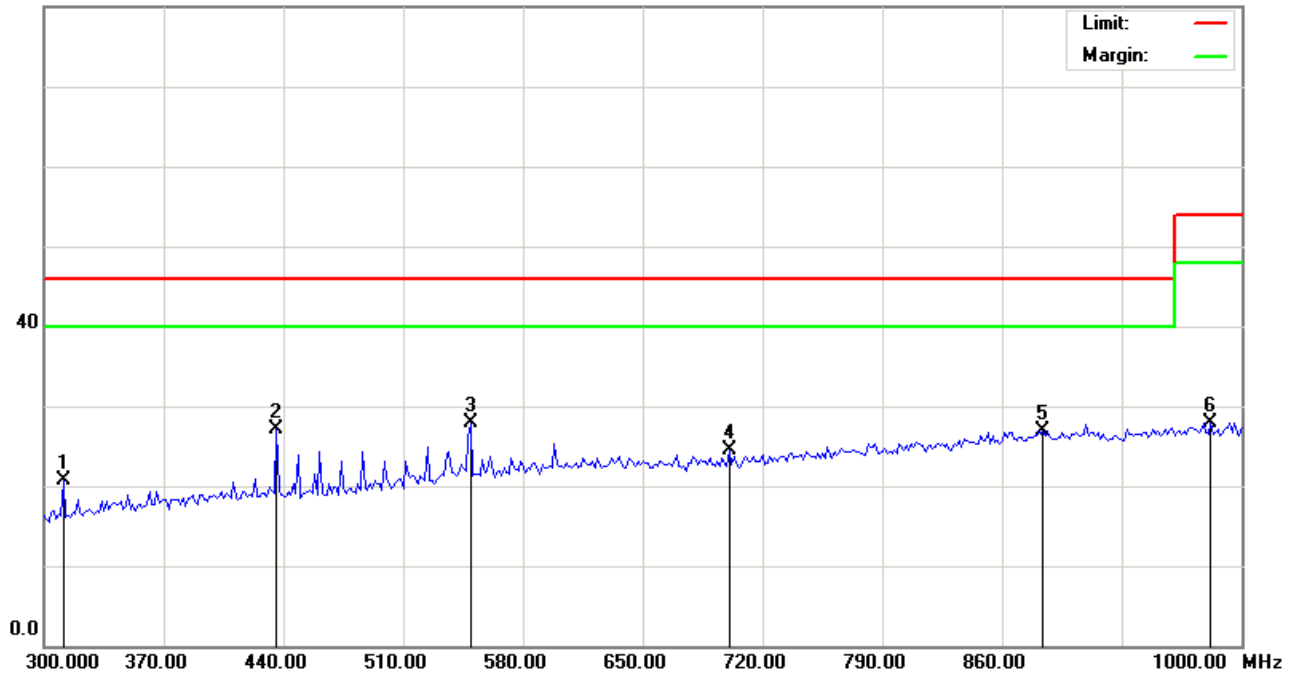
File :colorado 111(2412)

Data :#2

Date: 2008/09/02

Time: 下午 11:09:55

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2412MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1		311.2000	30.55	-9.82	20.73	46.00	-25.27	peak		
2		435.8000	35.03	-7.99	27.04	46.00	-18.96	peak		
3	*	549.2000	33.92	-6.01	27.91	46.00	-18.09	peak		
4		700.4000	28.34	-3.88	24.46	46.00	-21.54	peak		
5		883.8000	27.14	-0.26	26.88	46.00	-19.12	peak		
6		981.8000	27.48	0.48	27.96	54.00	-26.04	peak		

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

●Reference Only



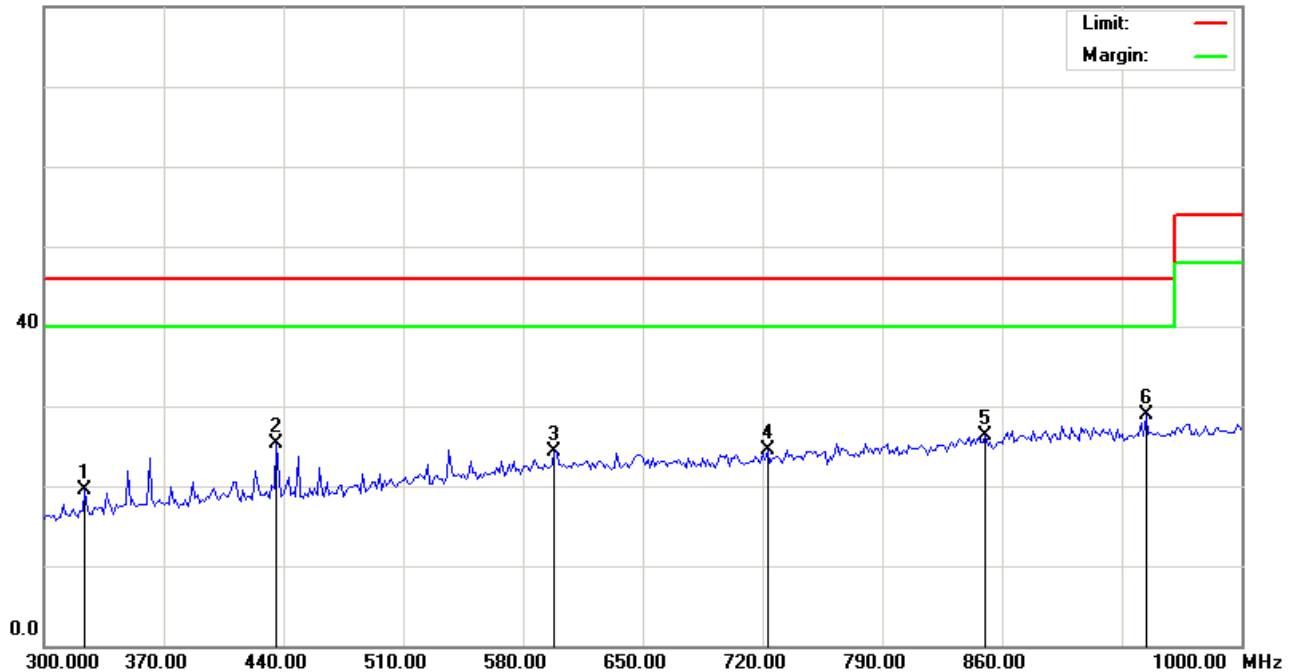
File :colorado 111(2412)

Data :#4

Date: 2008/09/02

Time: 下午 11:18:28

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 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
1		323.8000	29.07	-9.65	19.42	46.00	-26.58	peak		
2		435.8000	33.36	-7.99	25.37	46.00	-20.63	peak		
3		598.2000	29.12	-4.89	24.23	46.00	-21.77	peak		
4		722.8000	28.10	-3.54	24.56	46.00	-21.44	peak		
5		850.2000	27.47	-1.25	26.22	46.00	-19.78	peak		
6	*	944.0000	28.56	0.27	28.83	46.00	-17.17	peak		

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

●Reference Only



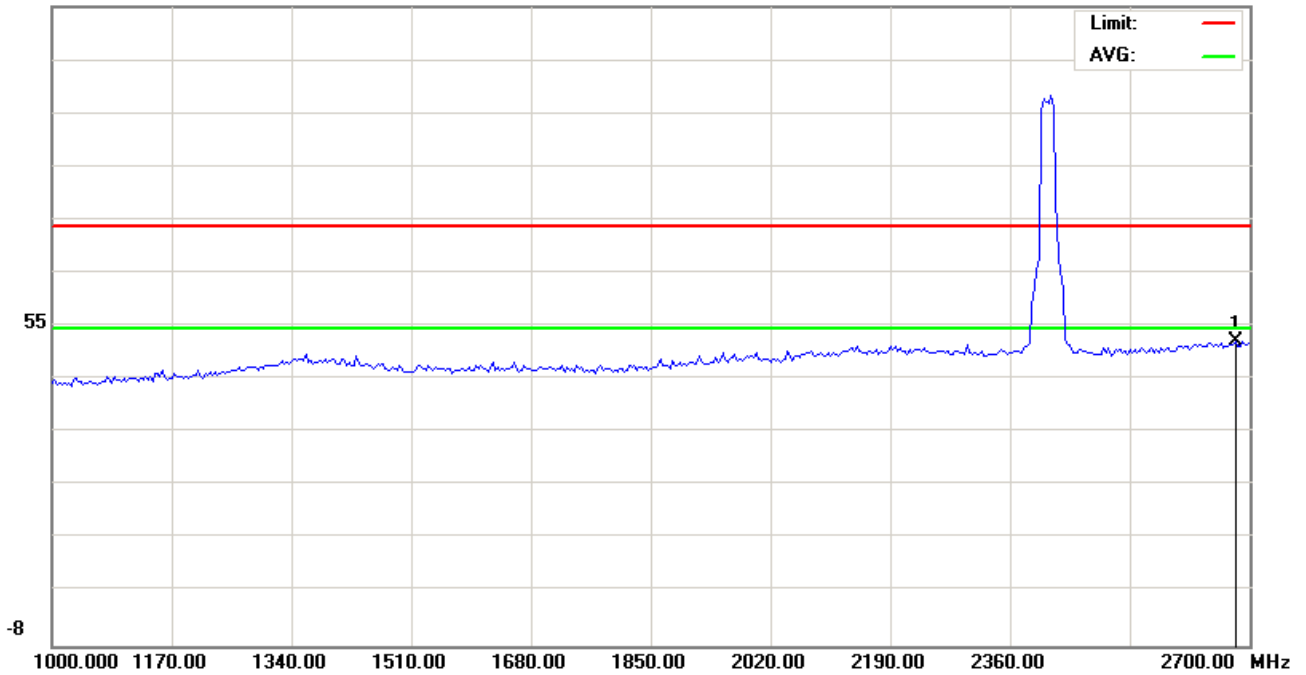
File :colorado 111(2412)

Data :#1

Date: 2008-8-4

Time:

117.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH01(2412MHz)天線在134.3CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree
1	*	2679.600	50.42	1.00	51.42	74.00	-22.58	peak		

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

●Reference Only



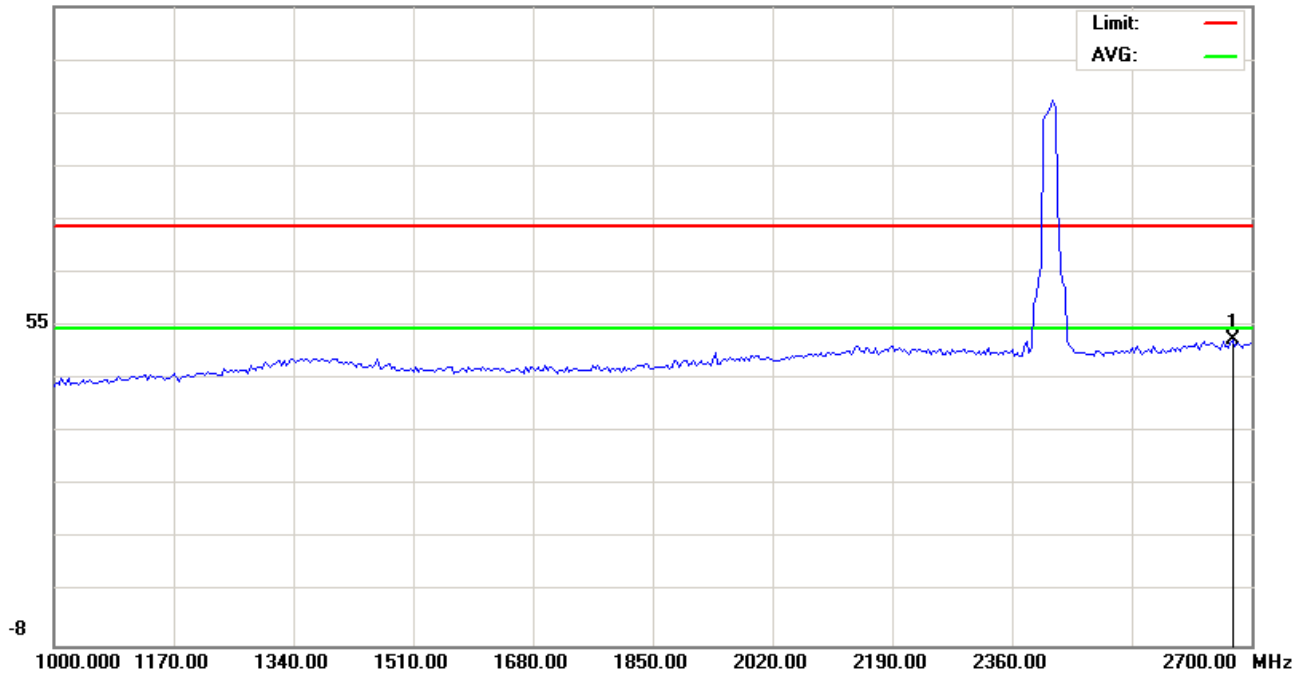
File :colorado 111(2412)

Data :#3

Date: 2008-8-4

Time:

117.0 dBuV



Site site#1

Polarization: *Horizontal*

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH01(2412MHz)天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree
1	*	2672.800	50.83	1.02	51.85	74.00	-22.15	peak		

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

●Reference Only



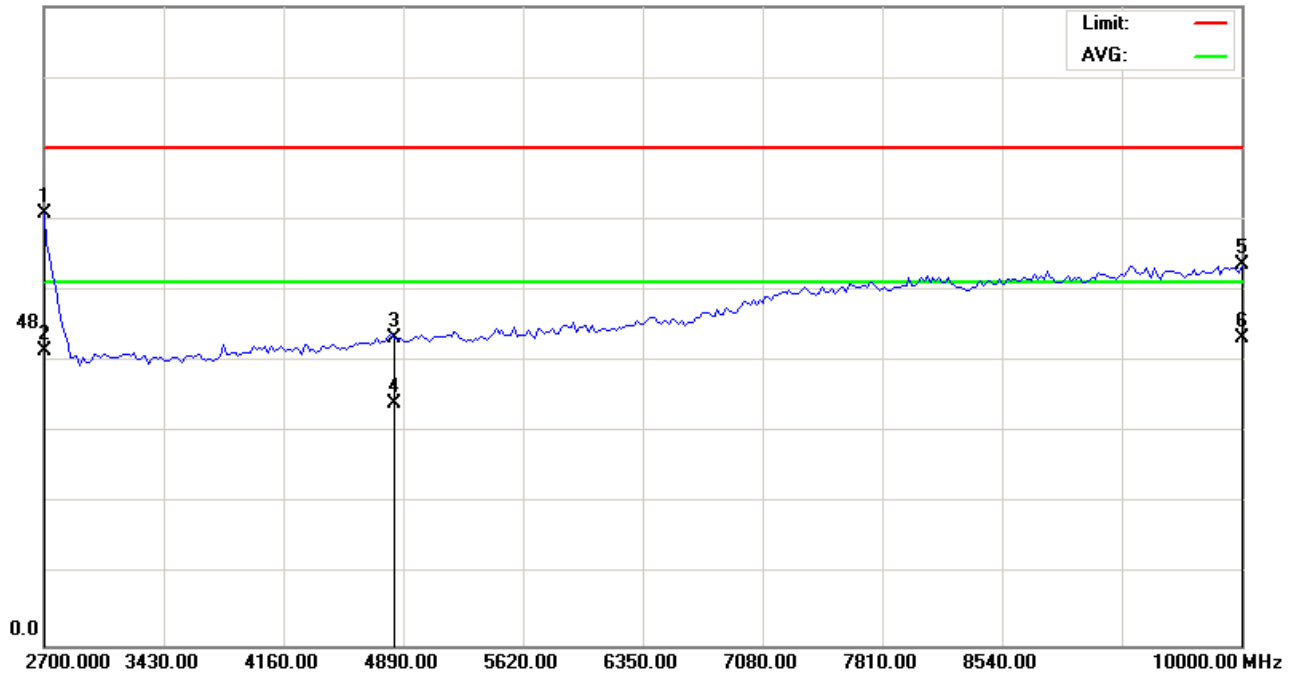
File :colorado 111(2412)

Data :#5

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH01(2412MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2700.000	41.73	22.58	64.31	74.00	-9.69	peak			
2		2700.000	21.22	22.58	43.80	54.00	-10.20	AVG			
3		4824.000	38.22	7.48	45.70	74.00	-28.30	peak			
4		4824.000	28.42	7.48	35.90	54.00	-18.10	AVG			
5		10000.00	38.60	17.94	56.54	74.00	-17.46	peak			
6	*	10000.00	27.75	17.94	45.69	54.00	-8.31	AVG			

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

●Reference Only



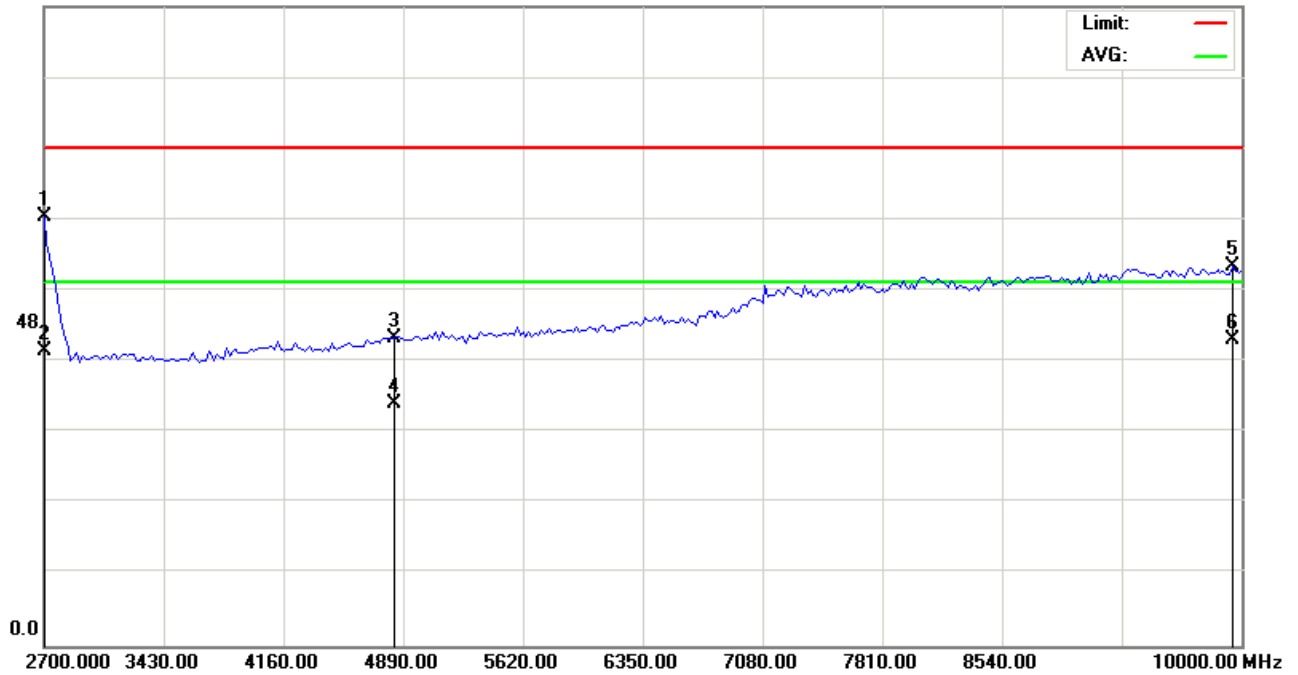
File :colorado 111(2412)

Data :#7

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH01(2412MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2700.000	41.17	22.58	63.75	74.00	-10.25	peak		
2		2700.000	21.14	22.58	43.72	54.00	-10.28	AVG		
3		4824.000	38.18	7.48	45.66	74.00	-28.34	peak		
4		4824.000	28.46	7.48	35.94	54.00	-18.06	AVG		
5		9945.250	38.69	17.78	56.47	74.00	-17.53	peak		
6	*	9945.250	27.77	17.78	45.55	54.00	-8.45	AVG		

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

●Reference Only



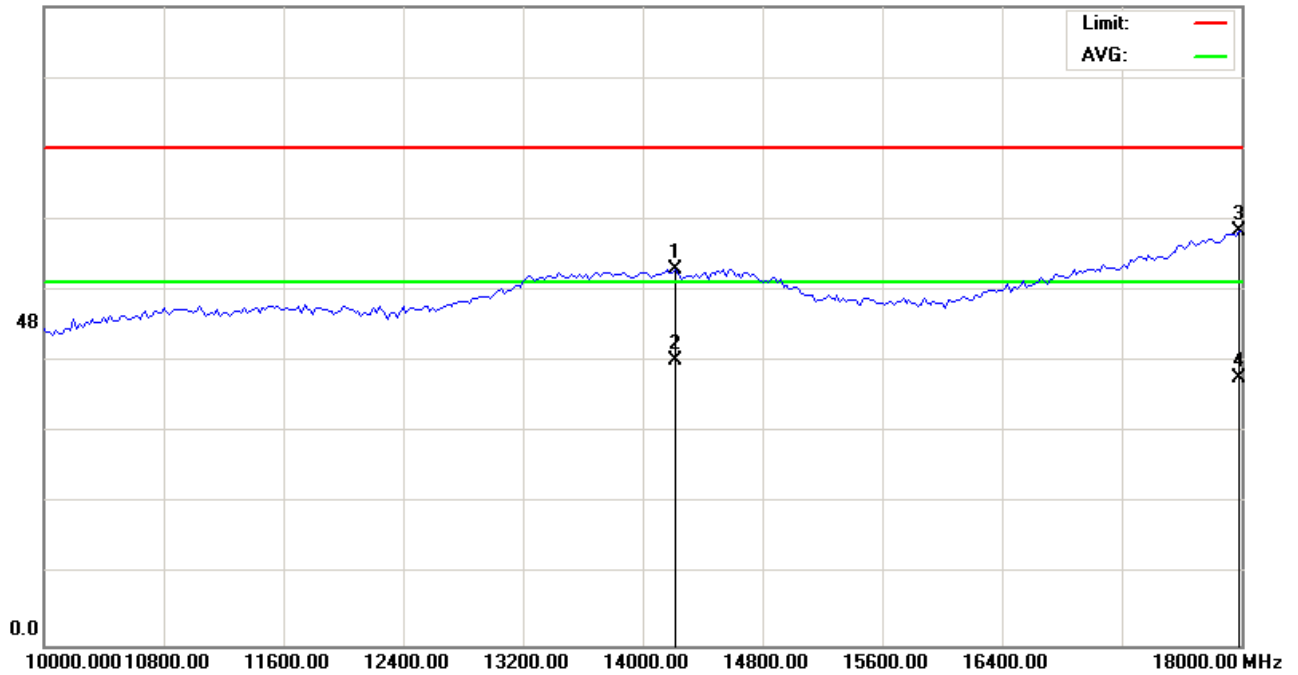
File :colorado 111(2412)

Data :#9

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: 2412MHz

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14220.00	27.54	28.32	55.86	74.00	-18.14	peak		
2	*	14220.00	14.06	28.32	42.38	54.00	-11.62	AVG		
3		17980.00	26.82	34.75	61.57	74.00	-12.43	peak		
4		17980.00	5.00	34.75	39.75	54.00	-14.25	AVG		

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

●Reference Only



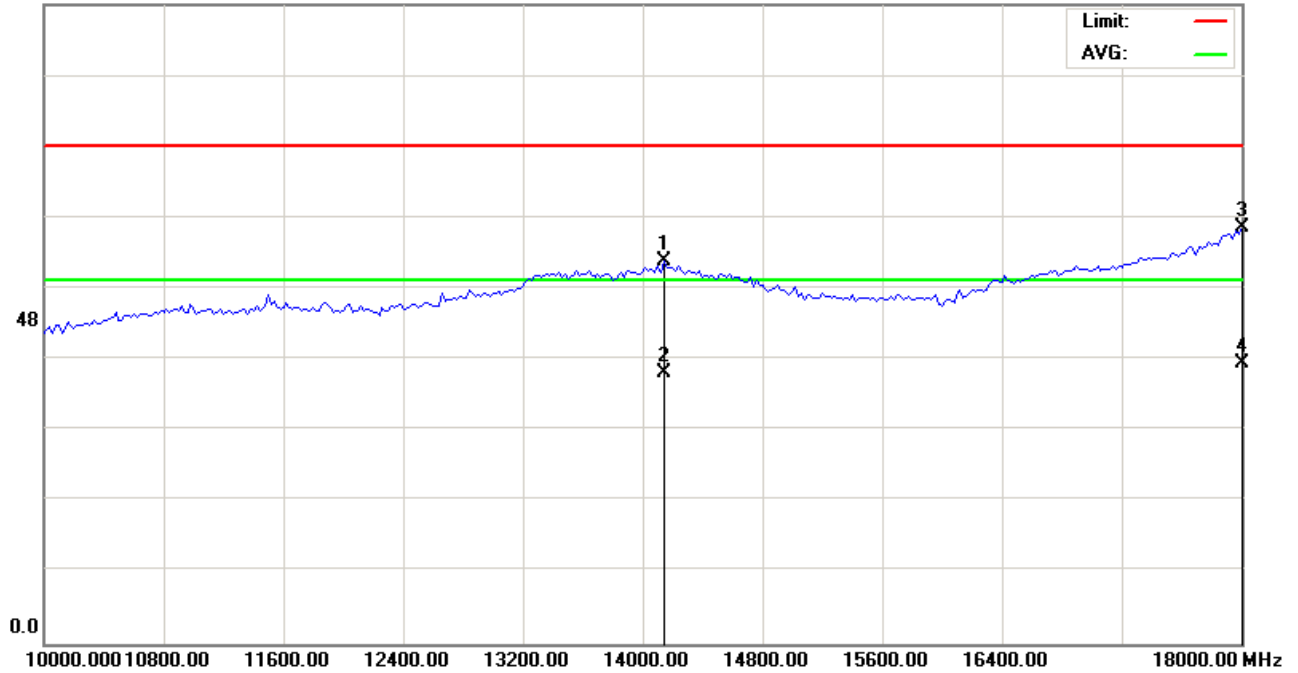
File :colorado 111(2412)

Data :#10

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: 2412MHz

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14140.00	28.45	28.38	56.83	74.00	-17.17	peak		
2		14140.00	11.90	28.38	40.28	54.00	-13.72	AVG		
3	*	18000.00	26.72	35.11	61.83	74.00	-12.17	peak		
4		18000.00	6.49	35.11	41.60	54.00	-12.40	AVG		

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

●Reference Only



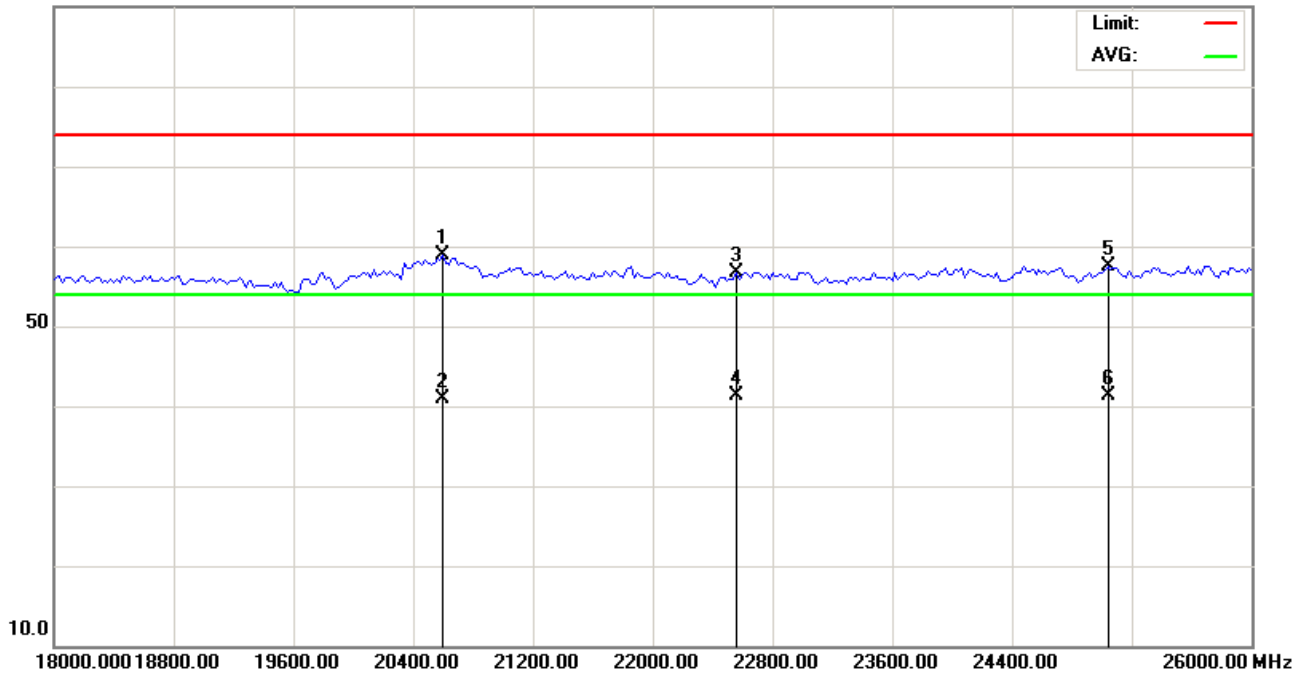
File :colorado 111(2412)

Data :#11

Date: 2008/08/06

Time:

90.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: 2412MHz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		20600.00	27.09	31.80	58.89	74.00	-15.11	peak		
2		20600.00	9.08	31.80	40.88	54.00	-13.12	AVG		
3		22560.00	26.33	30.46	56.79	74.00	-17.21	peak		
4		22560.00	10.83	30.46	41.29	54.00	-12.71	AVG		
5		25040.00	28.79	28.77	57.56	74.00	-16.44	peak		
6	*	25040.00	12.58	28.77	41.35	54.00	-12.65	AVG		

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

●Reference Only



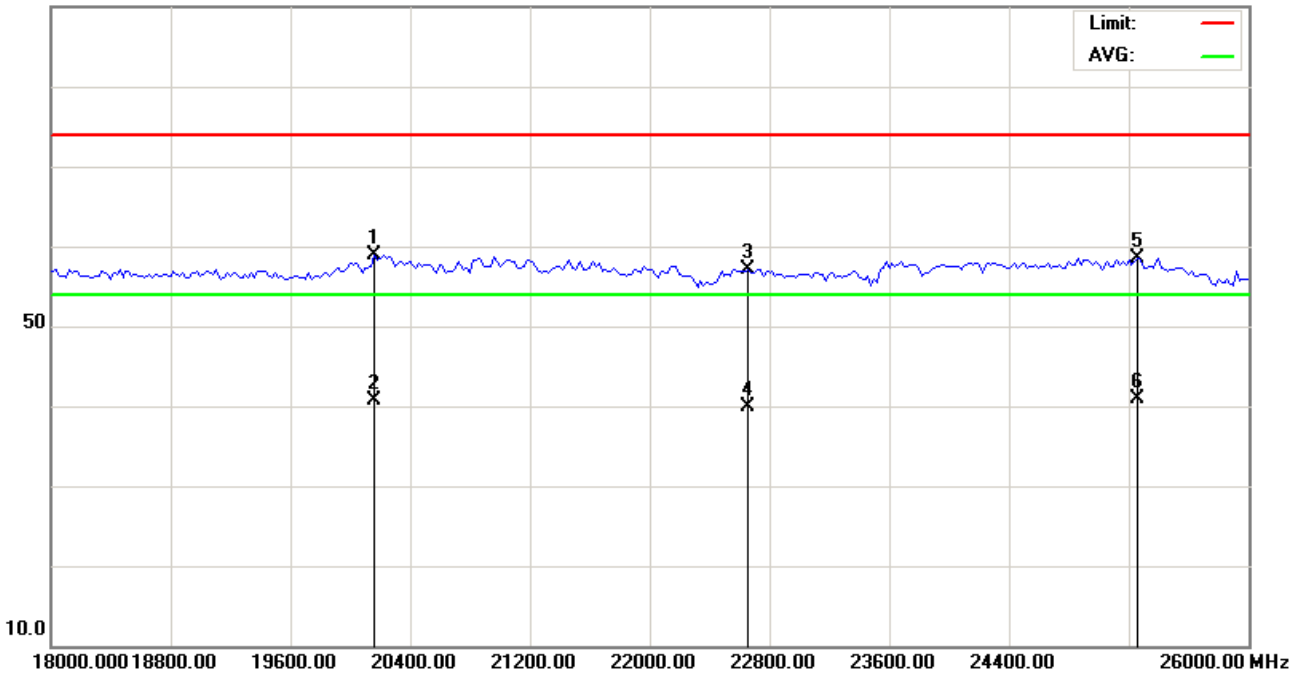
File :colorado 111(2412)

Data :#12

Date: 2008/08/06

Time:

90.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: 2412MHz

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		20160.00	26.84	32.10	58.94	74.00	-15.06	peak		
2		20160.00	8.51	32.10	40.61	54.00	-13.39	AVG		
3		22660.00	26.80	30.40	57.20	74.00	-16.80	peak		
4		22660.00	9.56	30.40	39.96	54.00	-14.04	AVG		
5		25260.00	29.84	28.63	58.47	74.00	-15.53	peak		
6	*	25260.00	12.20	28.63	40.83	54.00	-13.17	AVG		

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

●Reference Only



3.6.5 Open Field Radiated Emissions (Subpart C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11g CH6 2437.000 (Local Frequency: 2437.000 MHz)
Test Date : 08/04~09/02/2008

Please refer to next pager 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 ambient noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



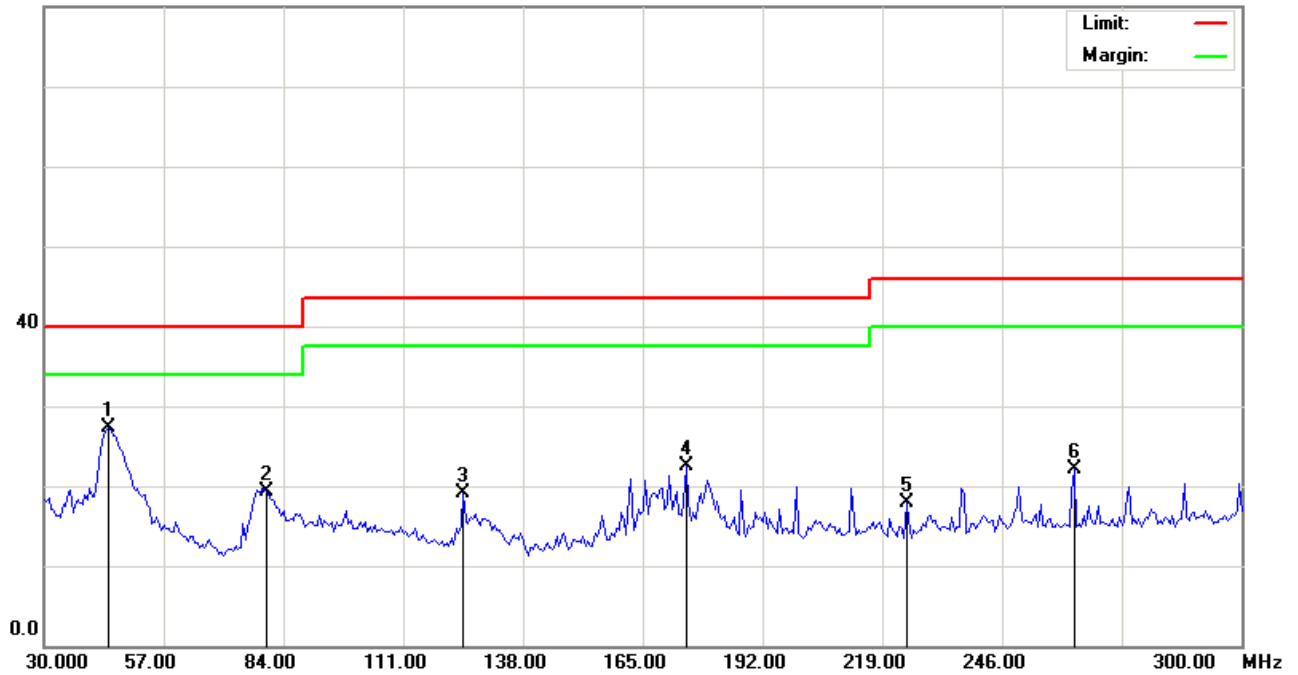
File :colorado 111(2437)

Data :#1

Date: 2008/09/02

Time: 下午 11:28:30

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2437MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	44.5800	39.21	-11.84	27.37	40.00	-12.63	peak		
2		80.2200	35.78	-16.47	19.31	40.00	-20.69	peak		
3		124.5000	34.07	-14.95	19.12	43.50	-24.38	peak		
4		174.7200	37.14	-14.67	22.47	43.50	-21.03	peak		
5		224.4000	30.07	-12.16	17.91	46.00	-28.09	peak		
6		262.2000	33.18	-11.15	22.03	46.00	-23.97	peak		

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

●Reference Only



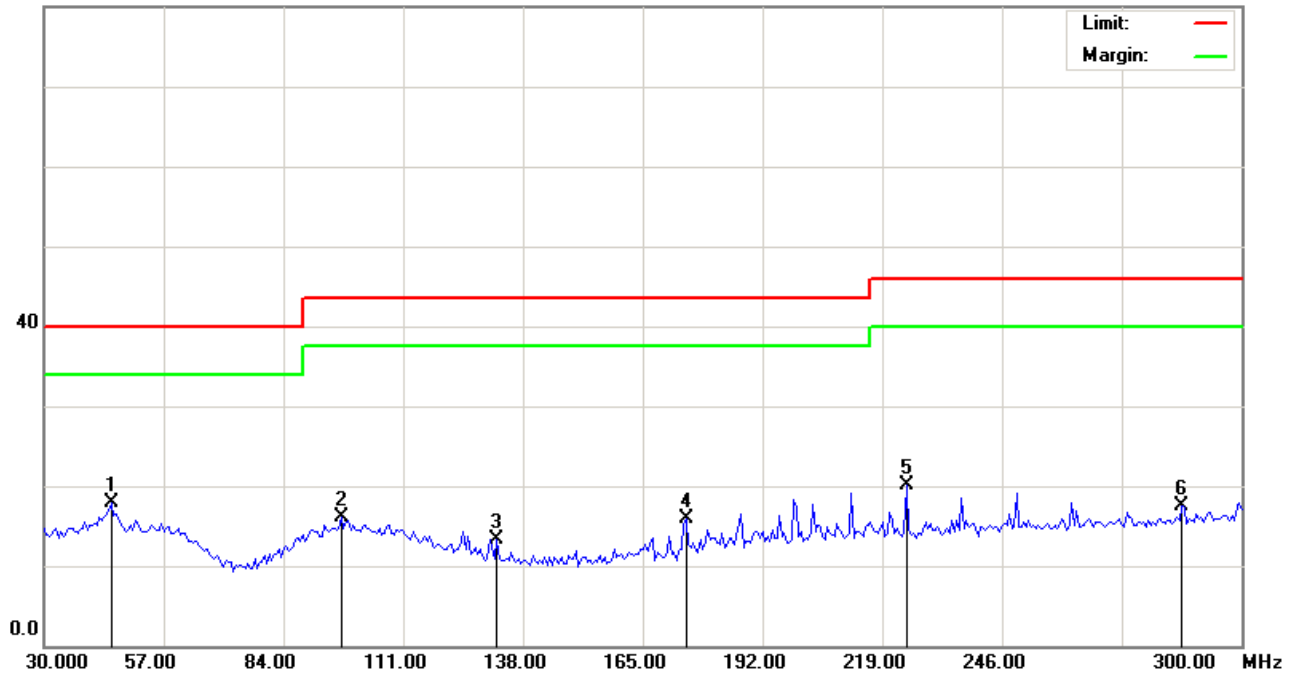
File :colorado 111(2437)

Data :#3

Date: 2008/09/02

Time: 下午 11:37:02

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2437MHZ

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	45.1200	29.83	-11.84	17.99	40.00	-22.01	peak		
2		96.9600	27.96	-11.93	16.03	43.50	-27.47	peak		
3		132.0600	29.16	-15.77	13.39	43.50	-30.11	peak		
4		174.7200	30.63	-14.67	15.96	43.50	-27.54	peak		
5		224.4000	32.25	-12.16	20.09	46.00	-25.91	peak		
6		286.5000	27.68	-10.21	17.47	46.00	-28.53	peak		

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

●Reference Only



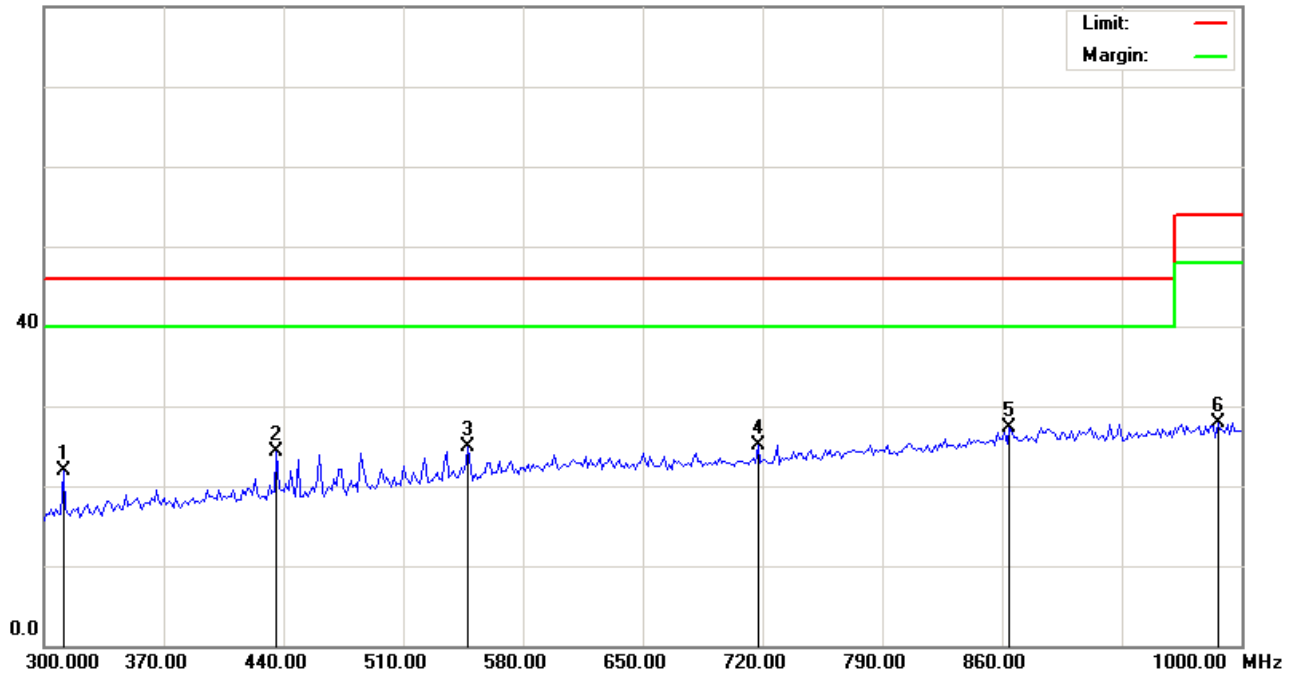
File :colorado 111(2437)

Data :#2

Date: 2008/09/02

Time: 下午 11:32:46

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2437MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		311.2000	31.74	-9.82	21.92	46.00	-24.08	peak		
2		435.8000	32.20	-7.99	24.21	46.00	-21.79	peak		
3		547.8000	30.86	-6.03	24.83	46.00	-21.17	peak		
4		717.2000	28.71	-3.57	25.14	46.00	-20.86	peak		
5	*	864.2000	27.87	-0.60	27.27	46.00	-18.73	peak		
6		986.0000	27.31	0.62	27.93	54.00	-26.07	peak		

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

●Reference Only



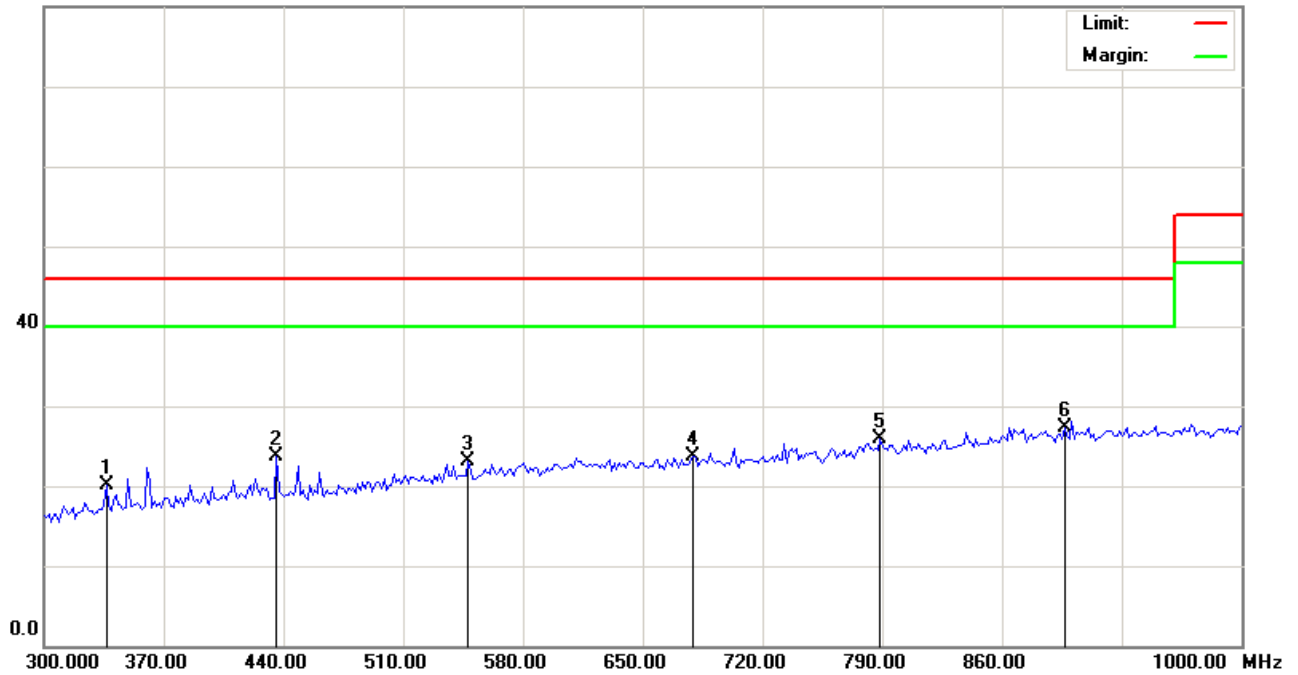
File :colorado 111(2437)

Data :#4

Date: 2008/09/02

Time: 下午 11:41:19

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2437MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		336.4000	29.20	-9.18	20.02	46.00	-25.98	peak		
2		435.8000	31.69	-7.99	23.70	46.00	-22.30	peak		
3		547.8000	29.04	-6.03	23.01	46.00	-22.99	peak		
4		679.4000	27.74	-4.08	23.66	46.00	-22.34	peak		
5		788.6000	28.17	-2.31	25.86	46.00	-20.14	peak		
6	*	896.4000	27.84	-0.47	27.37	46.00	-18.63	peak		

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

●Reference Only



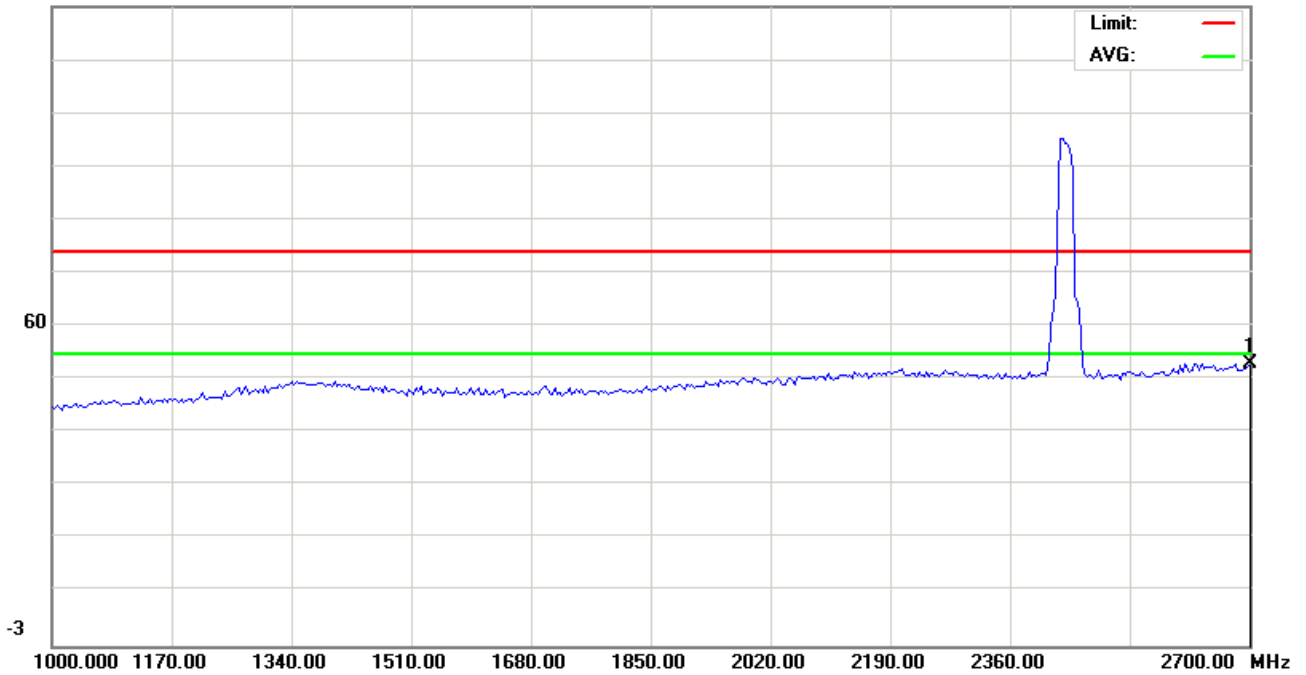
File :colorado 111(2437)

Data :#1

Date: 2008-8-4

Time:

122.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH06(2437MHz)天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2700.000	51.45	0.84	52.29	74.00	-21.71	peak		

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

●Reference Only



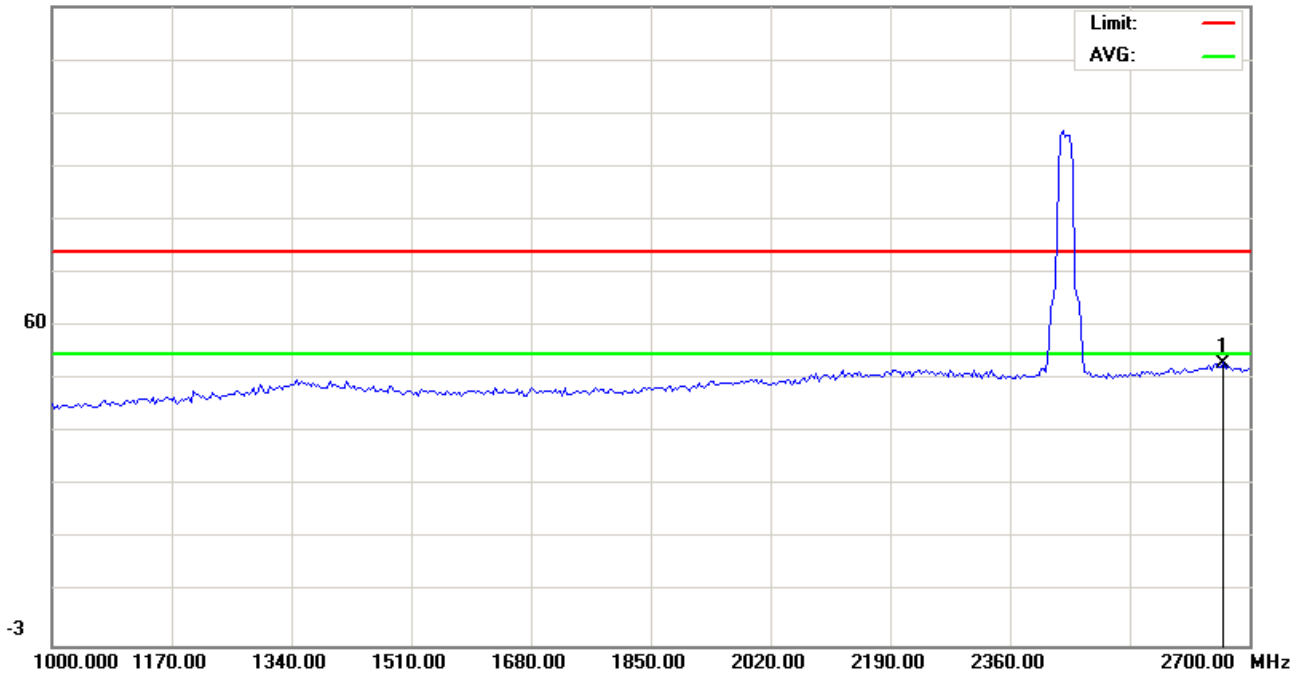
File :colorado 111(2437)

Data :#3

Date: 2008-8-4

Time:

122.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH06(2437MHz)天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree
1	*	2662.600	51.36	0.95	52.31	74.00	-21.69	peak		

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

●Reference Only



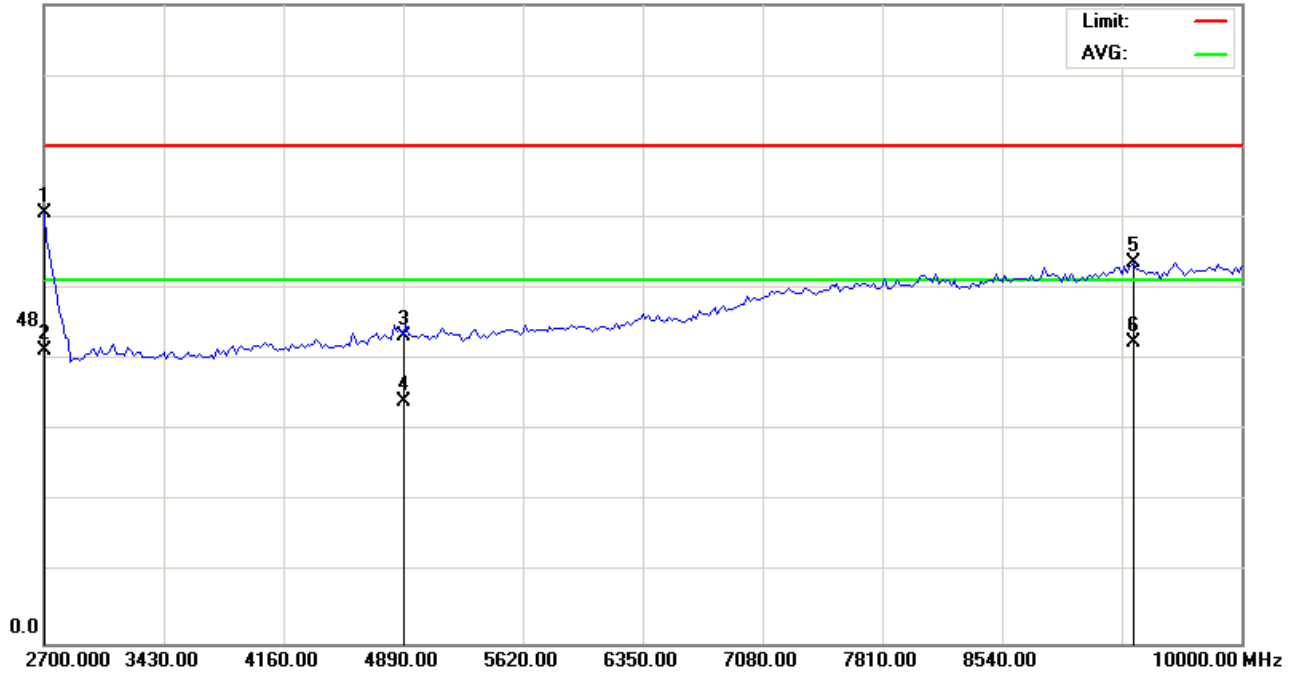
File :colorado 111(2437)

Data :#5

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH06(2437MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2700.000	41.50	22.58	64.08	74.00	-9.92	peak			
2		2700.000	21.10	22.58	43.68	54.00	-10.32	AVG			
3		4874.000	38.05	7.72	45.77	74.00	-28.23	peak			
4		4874.000	28.27	7.72	35.99	54.00	-18.01	AVG			
5		9343.000	39.64	16.93	56.57	74.00	-17.43	peak			
6	*	9343.000	27.76	16.93	44.69	54.00	-9.31	AVG			

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

●Reference Only



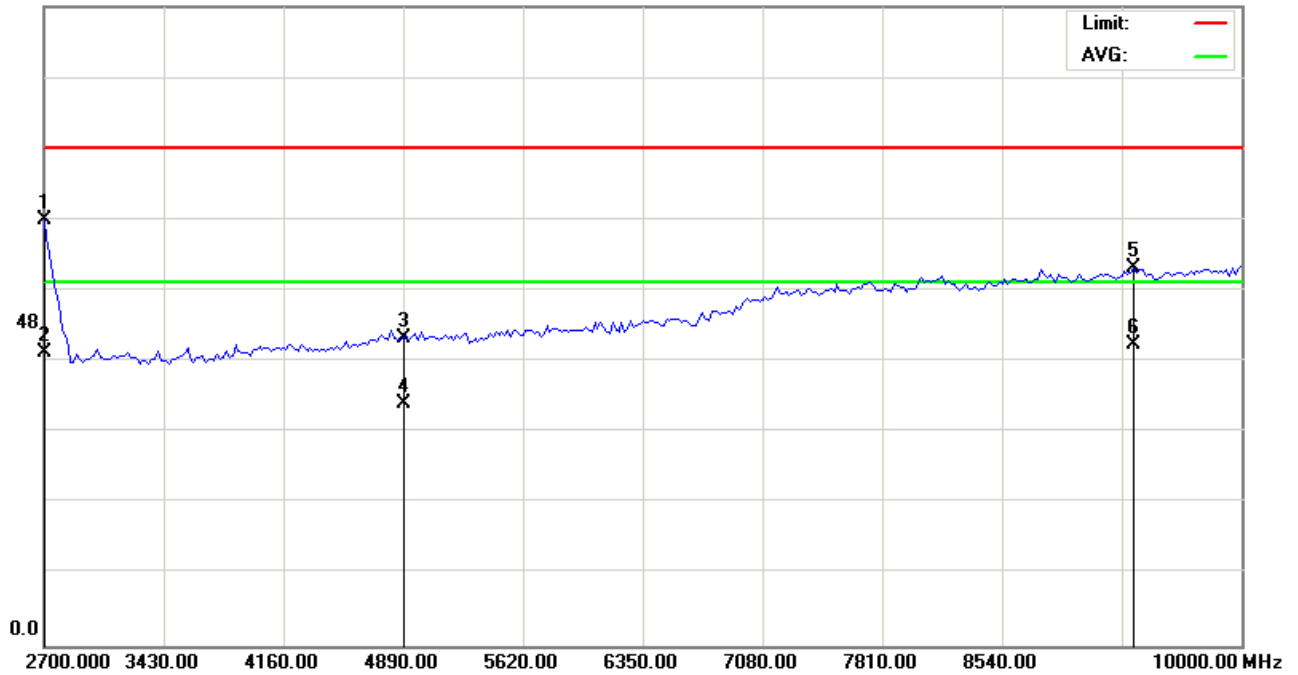
File :colorado 111(2437)

Data :#7

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH06(2437MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2700.000	40.83	22.58	63.41	74.00	-10.59	peak			
2		2700.000	20.93	22.58	43.51	54.00	-10.49	AVG			
3		4874.000	38.02	7.72	45.74	74.00	-28.26	peak			
4		4874.000	28.26	7.72	35.98	54.00	-18.02	AVG			
5		9343.000	39.14	16.93	56.07	74.00	-17.93	peak			
6	*	9343.000	27.74	16.93	44.67	54.00	-9.33	AVG			

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

●Reference Only



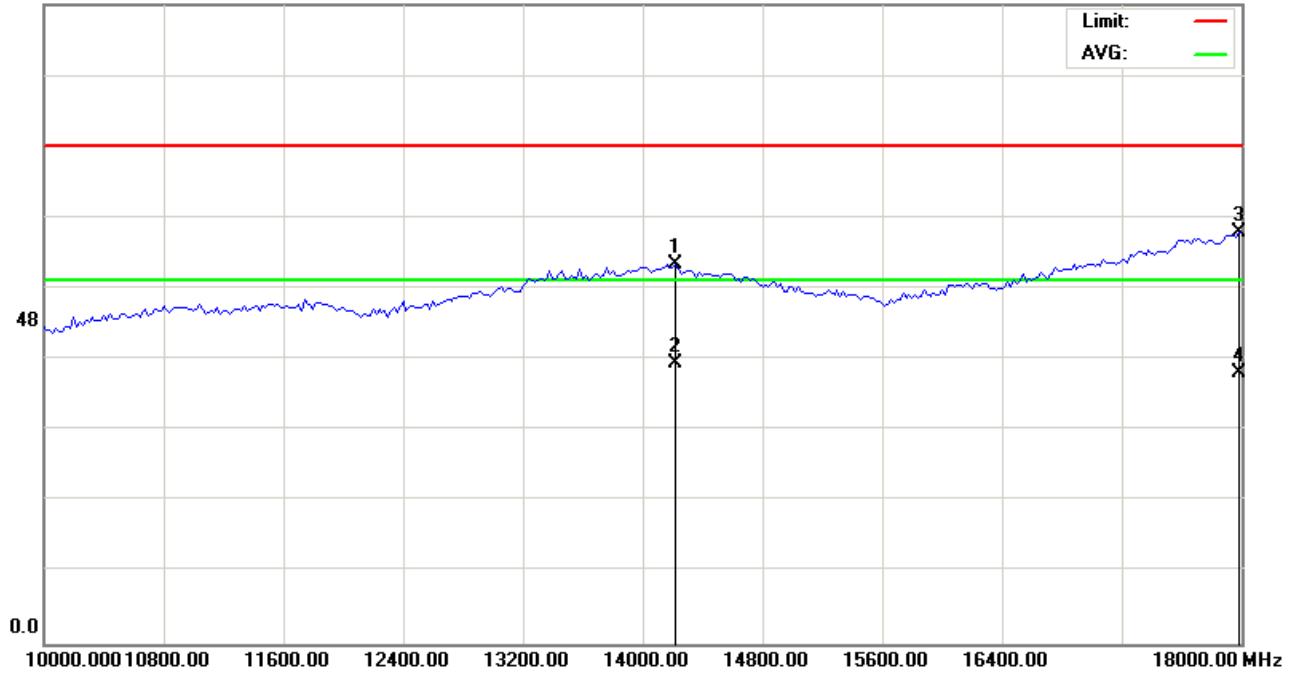
File :colorado 111(2437)

Data :#9

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH06(2437MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14220.00	28.04	28.32	56.36	74.00	-17.64	peak		
2	*	14220.00	13.29	28.32	41.61	54.00	-12.39	AVG		
3		17980.00	26.32	34.75	61.07	74.00	-12.93	peak		
4		17980.00	5.54	34.75	40.29	54.00	-13.71	AVG		

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

●Reference Only



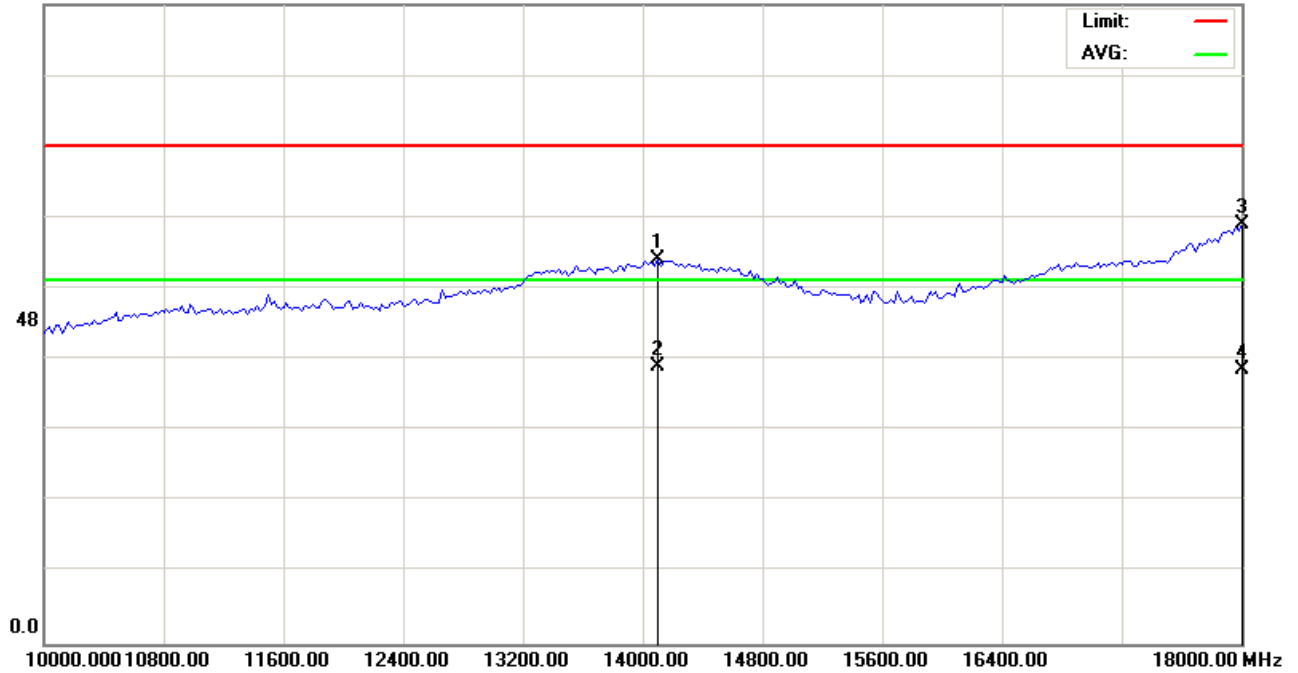
File :colorado 111(2437)

Data :#10

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH06(2437MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14100.00	28.75	28.44	57.19	74.00	-16.81	peak		
2		14100.00	12.77	28.44	41.21	54.00	-12.79	AVG		
3	*	18000.00	27.22	35.11	62.33	74.00	-11.67	peak		
4		18000.00	5.57	35.11	40.68	54.00	-13.32	AVG		

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

●Reference Only



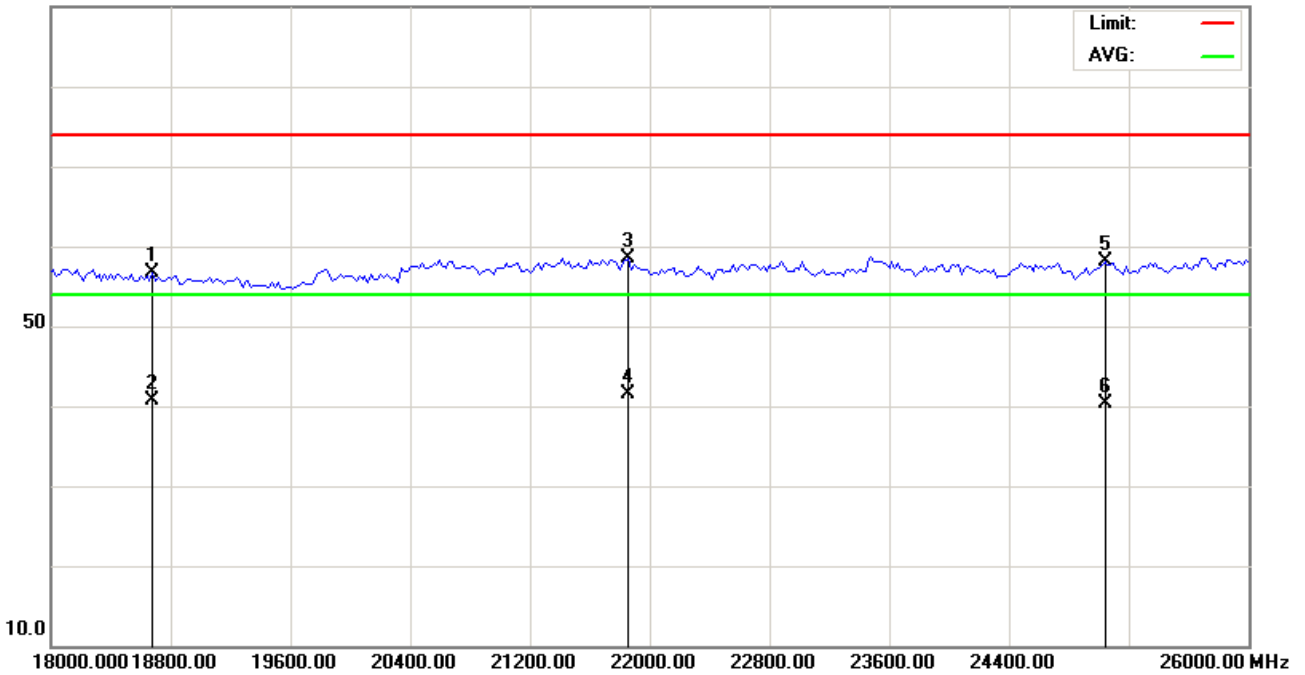
File :colorado 111(2437)

Data :#11

Date: 2008/08/06

Time:

90.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		18680.00	23.57	33.11	56.68	74.00	-17.32	peak		
2		18680.00	7.51	33.11	40.62	54.00	-13.38	AVG		
3		21860.00	27.53	30.94	58.47	74.00	-15.53	peak		
4	*	21860.00	10.65	30.94	41.59	54.00	-12.41	AVG		
5		25040.00	29.29	28.77	58.06	74.00	-15.94	peak		
6		25040.00	11.58	28.77	40.35	54.00	-13.65	AVG		

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

●Reference Only



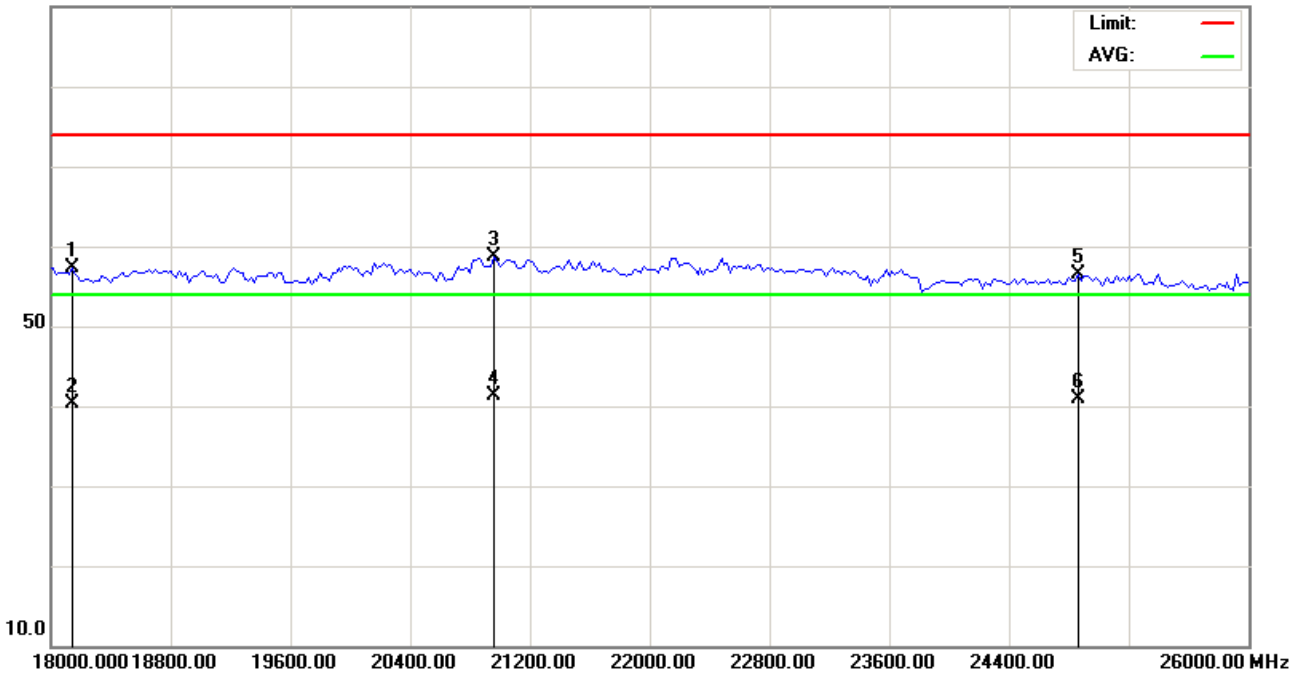
File :colorado 111(2437)

Data :#12

Date: 2008/08/06

Time:

90.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		18140.00	22.92	34.31	57.23	74.00	-16.77	peak		
2		18140.00	5.93	34.31	40.24	54.00	-13.76	AVG		
3		20960.00	27.20	31.56	58.76	74.00	-15.24	peak		
4	*	20960.00	9.83	31.56	41.39	54.00	-12.61	AVG		
5		24860.00	27.58	28.90	56.48	74.00	-17.52	peak		
6		24860.00	11.98	28.90	40.88	54.00	-13.12	AVG		

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

●Reference Only



3.6.6 Open Field Radiated Emissions (Subpart C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : AC Adapter _ 802.11g CH11 2462.000 (Local Frequency: 2462.000 MHz)
Test Date : 08/04~09/02/2008

Please refer to next pager 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 ambient noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



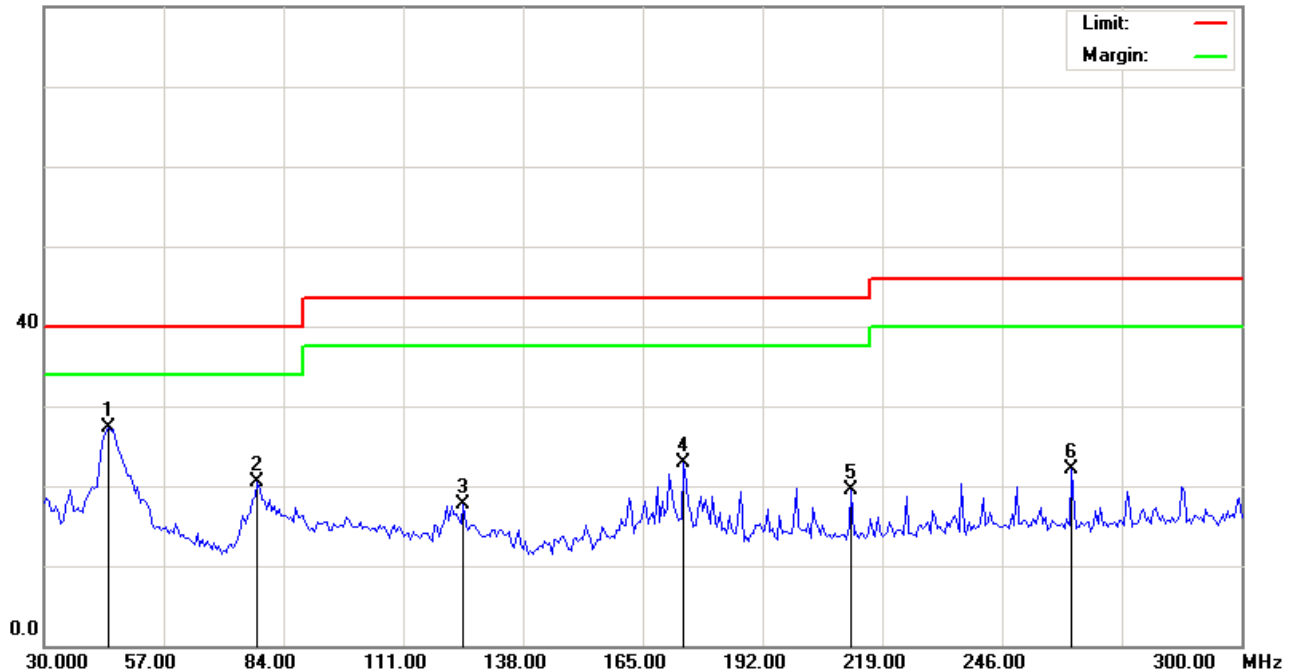
File :colorado 111(2462)

Data :#1

Date: 2008/09/02

Time: 下午 11:51:42

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2462MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	44.5800	39.20	-11.84	27.36	40.00	-12.64	peak		
2		78.0600	37.22	-16.79	20.43	40.00	-19.57	peak		
3		124.5000	32.73	-14.95	17.78	43.50	-25.72	peak		
4		174.1800	37.76	-14.76	23.00	43.50	-20.50	peak		
5		211.9800	32.21	-12.75	19.46	43.50	-24.04	peak		
6		261.6600	33.20	-11.17	22.03	46.00	-23.97	peak		

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

●Reference Only



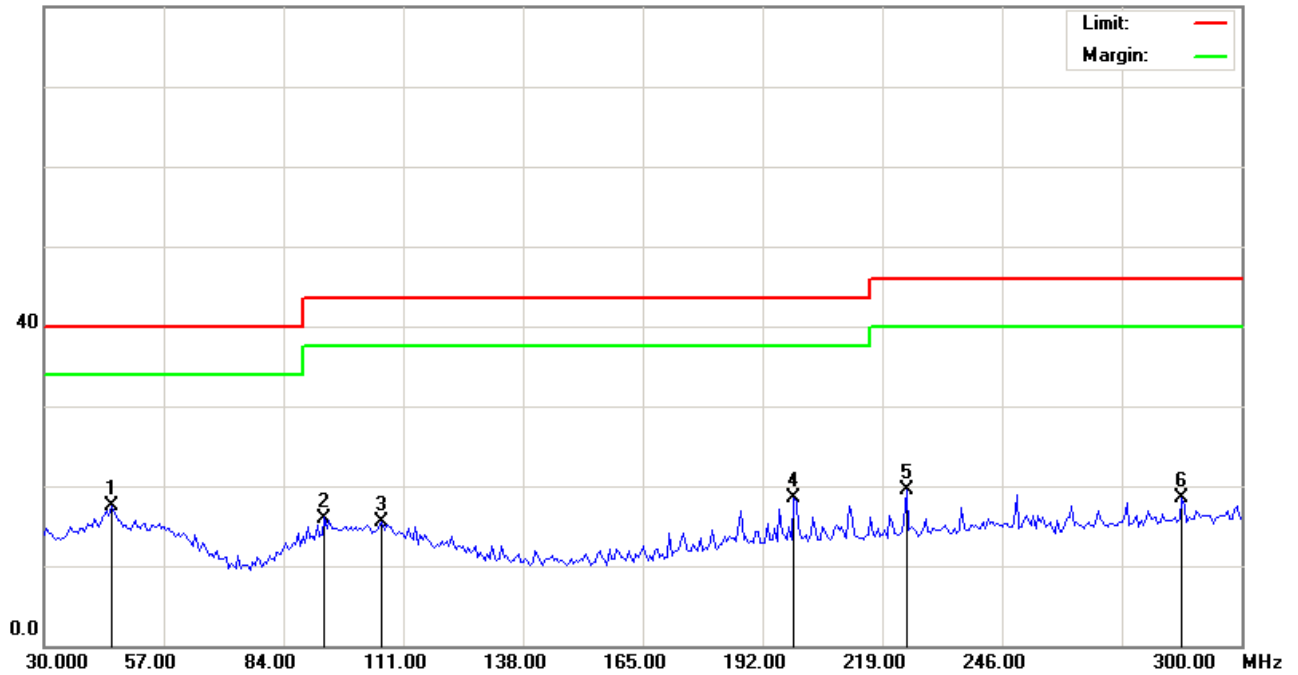
File :colorado 111(2462)

Data :#3

Date: 2008/09/03

Time: 上午 12:00:15

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2462MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	45.1200	29.35	-11.84	17.51	40.00	-22.49	peak		
2		93.1800	28.45	-12.45	16.00	43.50	-27.50	peak		
3		106.1400	27.60	-12.18	15.42	43.50	-28.08	peak		
4		199.0200	31.73	-13.16	18.57	43.50	-24.93	peak		
5		224.4000	31.75	-12.16	19.59	46.00	-26.41	peak		
6		286.5000	28.67	-10.21	18.46	46.00	-27.54	peak		

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

●Reference Only



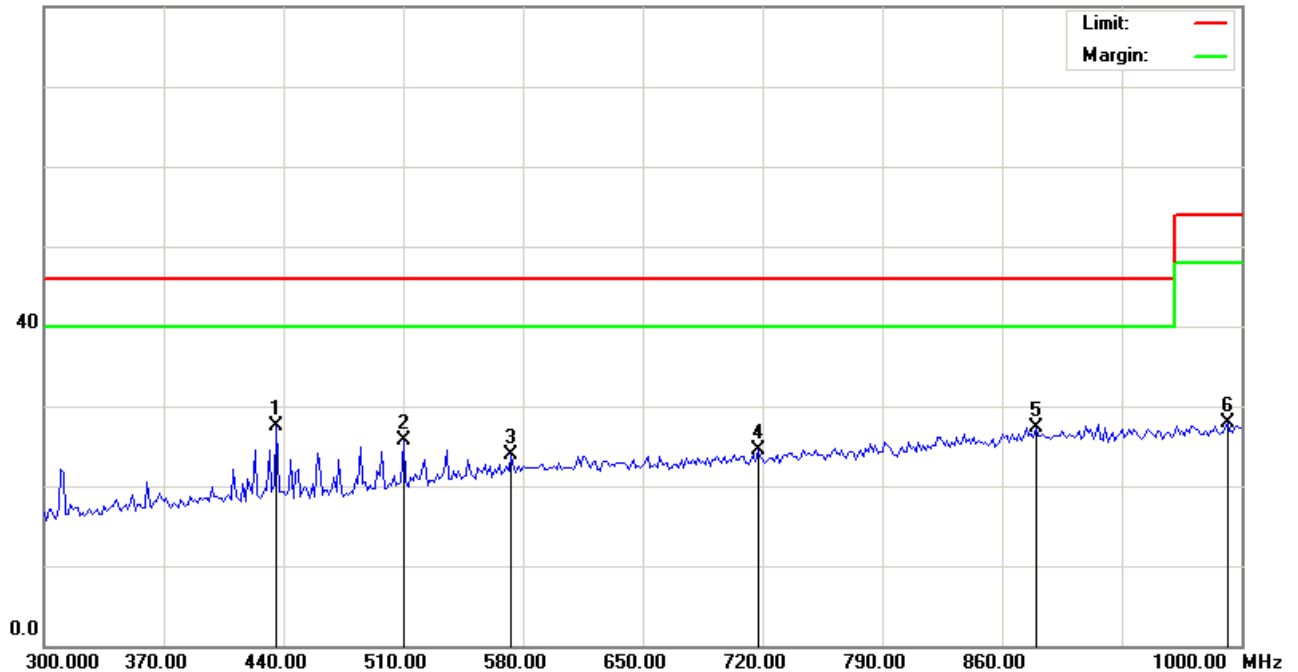
File :colorado 111(2462)

Data :#2

Date: 2008/09/02

Time: 下午 11:55:59

80.0 dBuV



Site

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2462MHZ

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	435.8000	35.52	-7.99	27.53	46.00	-18.47	peak		
2		510.0000	32.55	-6.79	25.76	46.00	-20.24	peak		
3		573.0000	29.39	-5.41	23.98	46.00	-22.02	peak		
4		717.2000	28.02	-3.57	24.45	46.00	-21.55	peak		
5		879.6000	28.05	-0.70	27.35	46.00	-18.65	peak		
6		991.6000	27.08	0.89	27.97	54.00	-26.03	peak		

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

●Reference Only



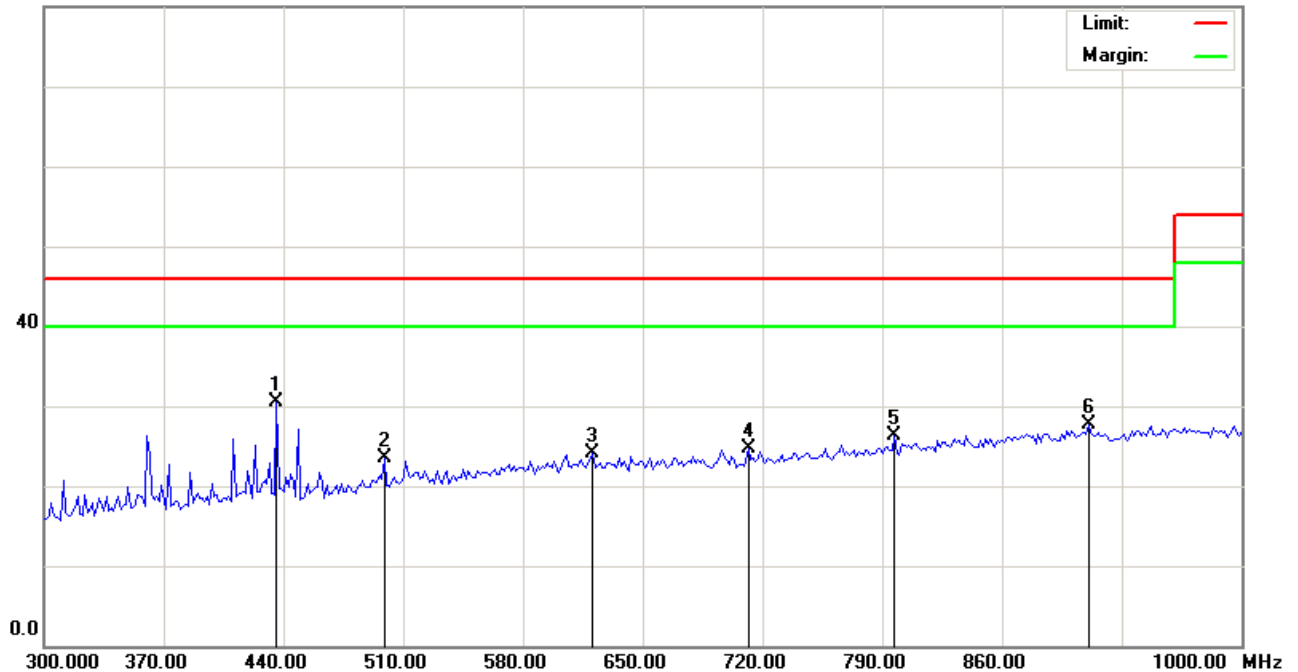
File :colorado 111(2462)

Data :#4

Date: 2008/09/03

Time: 上午 12:04:32

80.0 dBuV



Site

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: 08-0190

Mode: WIFI(11G)

Note: 2462MHZ

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	435.8000	38.47	-7.99	30.48	46.00	-15.52	peak		
2		498.8000	30.71	-7.15	23.56	46.00	-22.44	peak		
3		620.6000	28.43	-4.41	24.02	46.00	-21.98	peak		
4		711.6000	28.46	-3.83	24.63	46.00	-21.37	peak		
5		797.0000	28.70	-2.34	26.36	46.00	-19.64	peak		
6		910.4000	27.79	-0.02	27.77	46.00	-18.23	peak		

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

●Reference Only



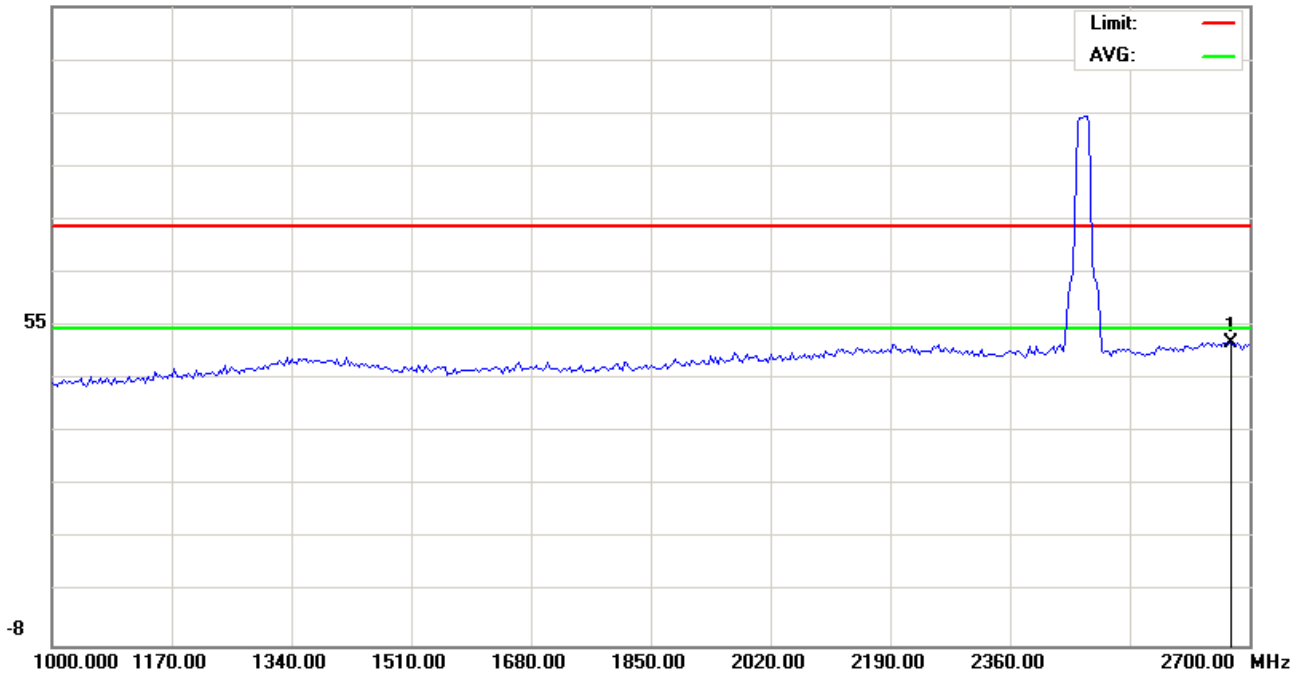
File :colorado 111(2462)

Data :#1

Date: 2008-8-4

Time:

117.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH11(2462MHz)天線在106.5CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	2672.800	50.27	1.02	51.29	74.00	-22.71	peak		

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

●Reference Only



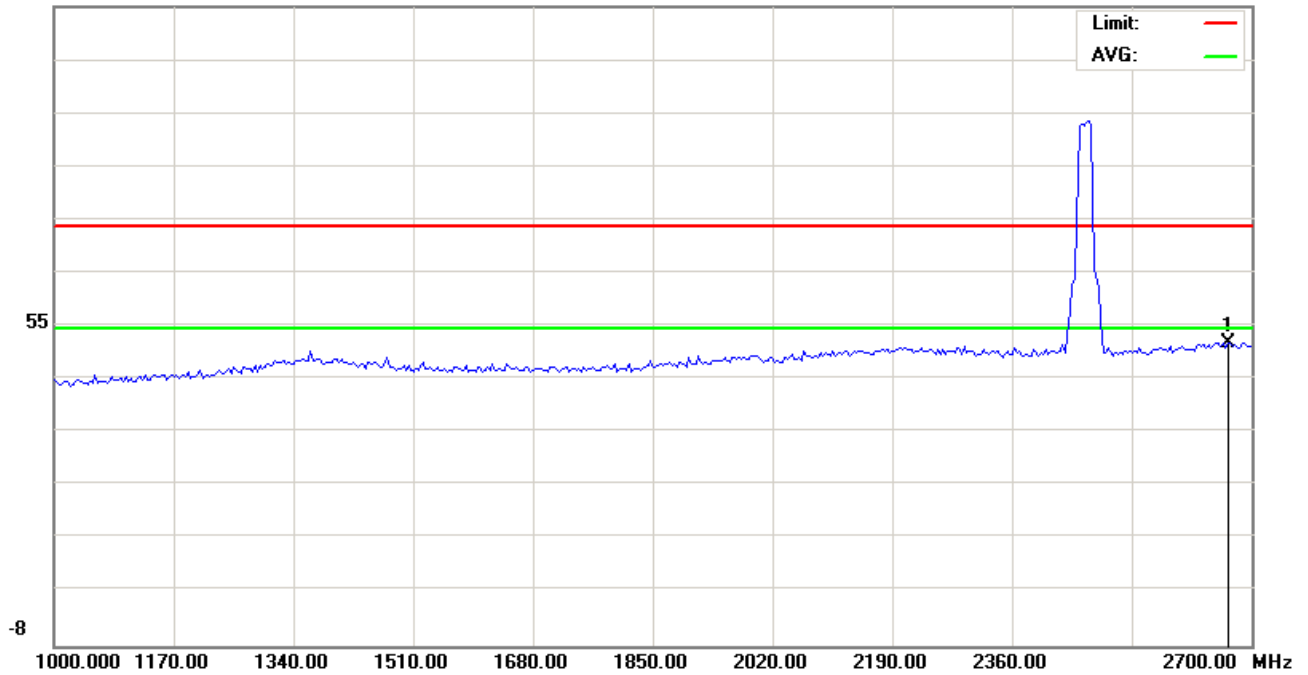
File :colorado 111(2462)

Data :#3

Date: 2008-8-5

Time:

117.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH11(2462MHz)天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2666.000	50.32	0.98	51.30	74.00	-22.70	peak		

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

●Reference Only



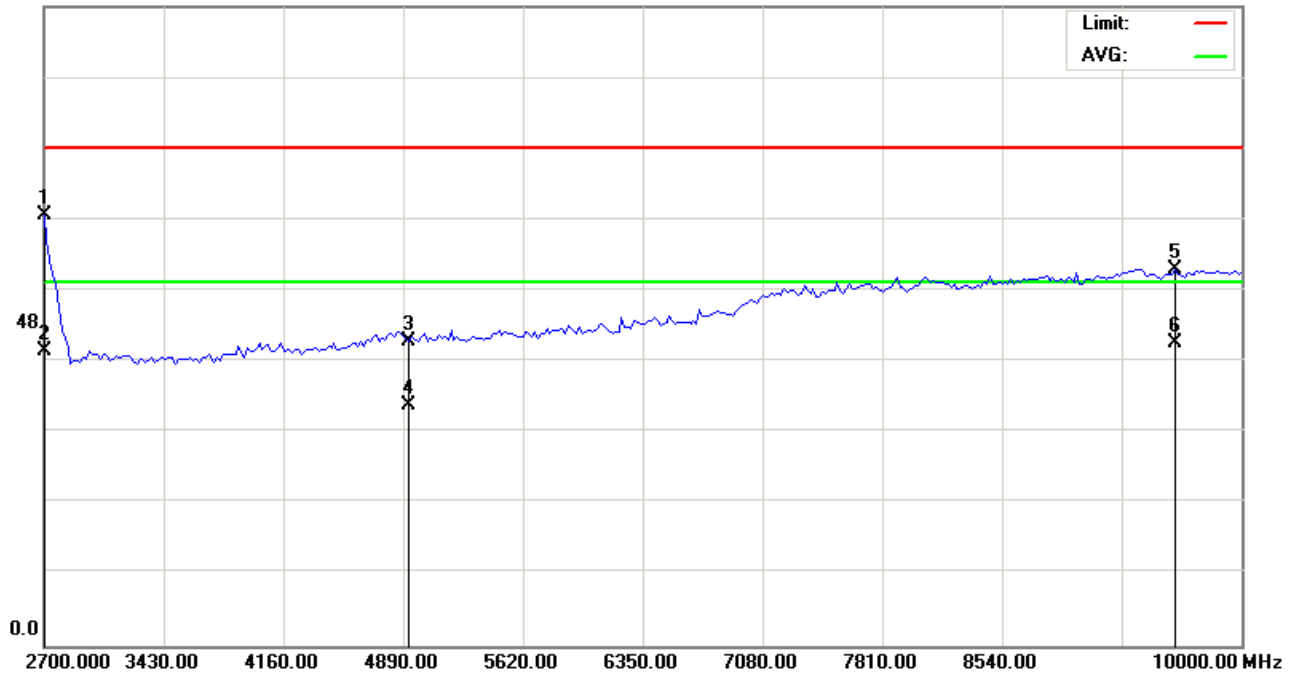
File :colorado 111(2462)

Data :#5

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH11(2462MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		2700.000	41.54	22.58	64.12	74.00	-9.88	peak			
2		2700.000	21.31	22.58	43.89	54.00	-10.11	AVG			
3		4924.000	37.68	7.65	45.33	74.00	-28.67	peak			
4		4924.000	28.04	7.65	35.69	54.00	-18.31	AVG			
5		9598.500	38.48	17.41	55.89	74.00	-18.11	peak			
6	*	9598.500	27.66	17.41	45.07	54.00	-8.93	AVG			

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

●Reference Only



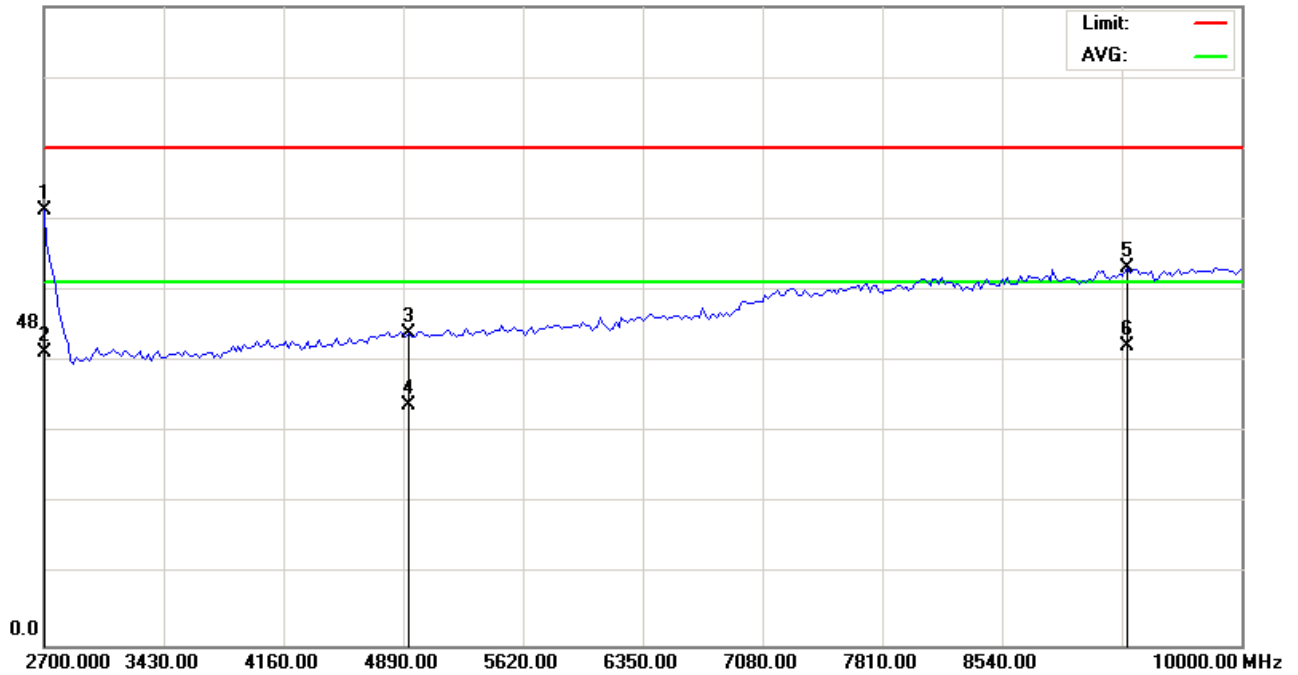
File :colorado 111(2462)

Data :#7

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: CH11(2462MHz)天線在100CM

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	2700.000	42.12	22.58	64.70	74.00	-9.30	peak		
2		2700.000	21.02	22.58	43.60	54.00	-10.40	AVG		
3		4924.000	38.88	7.65	46.53	74.00	-27.47	peak		
4		4924.000	28.04	7.65	35.69	54.00	-18.31	AVG		
5		9306.500	39.38	16.89	56.27	74.00	-17.73	peak		
6		9306.500	27.71	16.89	44.60	54.00	-9.40	AVG		

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

●Reference Only



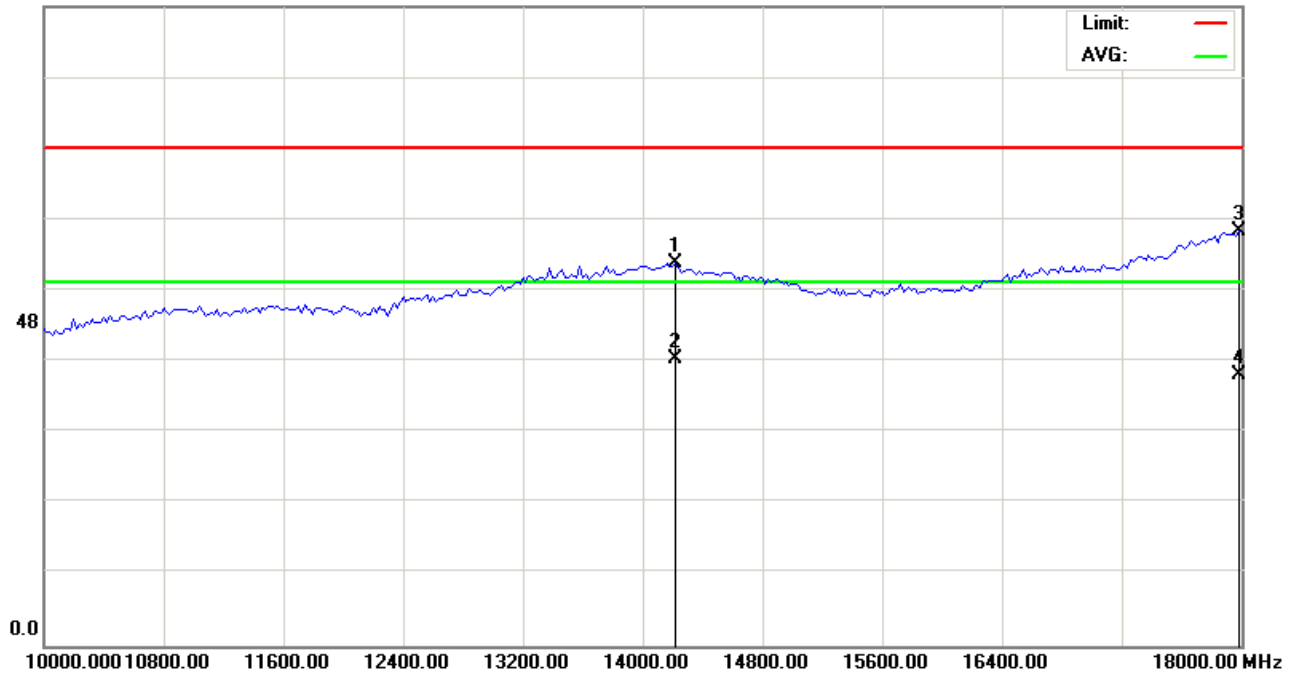
File :colorado 111(2462)

Data :#10

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH11(2462MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14220.00	28.54	28.32	56.86	74.00	-17.14	peak		
2	*	14220.00	14.26	28.32	42.58	54.00	-11.42	AVG		
3		17980.00	26.82	34.75	61.57	74.00	-12.43	peak		
4		17980.00	5.42	34.75	40.17	54.00	-13.83	AVG		

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

●Reference Only



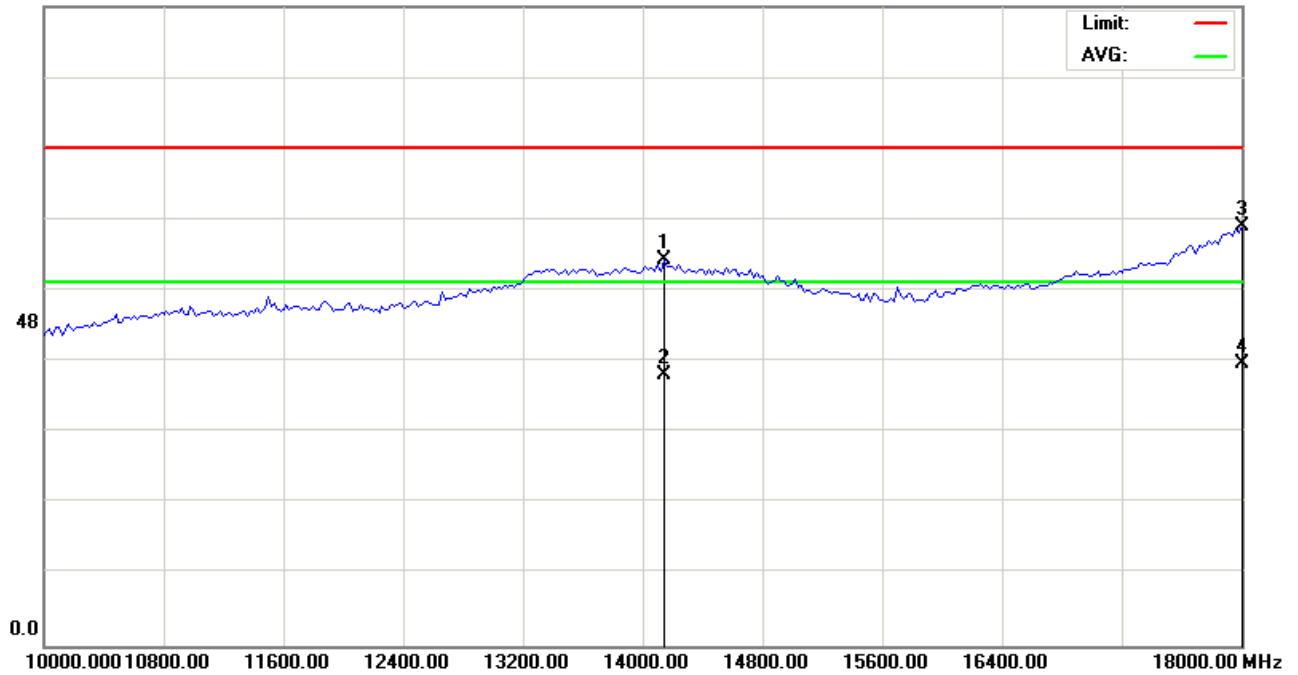
File :colorado 111(2462)

Data :#11

Date: 2008/08/06

Time:

95.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH11(2462MHz)

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14140.00	28.95	28.38	57.33	74.00	-16.67	peak		
2		14140.00	11.95	28.38	40.33	54.00	-13.67	AVG		
3	*	18000.00	27.22	35.11	62.33	74.00	-11.67	peak		
4		18000.00	6.78	35.11	41.89	54.00	-12.11	AVG		

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

●Reference Only



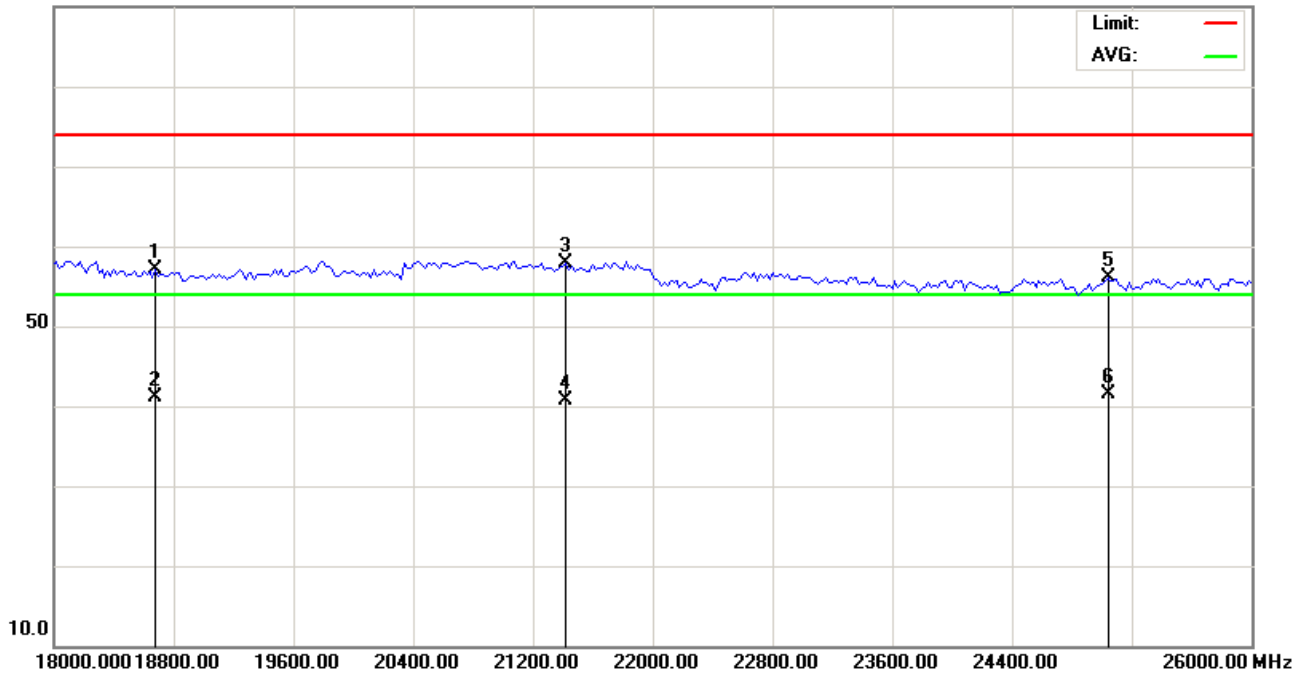
File :colorado 111(2462)

Data :#12

Date: 2008/08/06

Time:

90.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		18680.00	24.07	33.11	57.18	74.00	-16.82	peak		
2		18680.00	8.07	33.11	41.18	54.00	-12.82	AVG		
3		21420.00	26.72	31.25	57.97	74.00	-16.03	peak		
4		21420.00	9.41	31.25	40.66	54.00	-13.34	AVG		
5		25040.00	27.29	28.77	56.06	74.00	-17.94	peak		
6	*	25040.00	12.75	28.77	41.52	54.00	-12.48	AVG		

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

●Reference Only



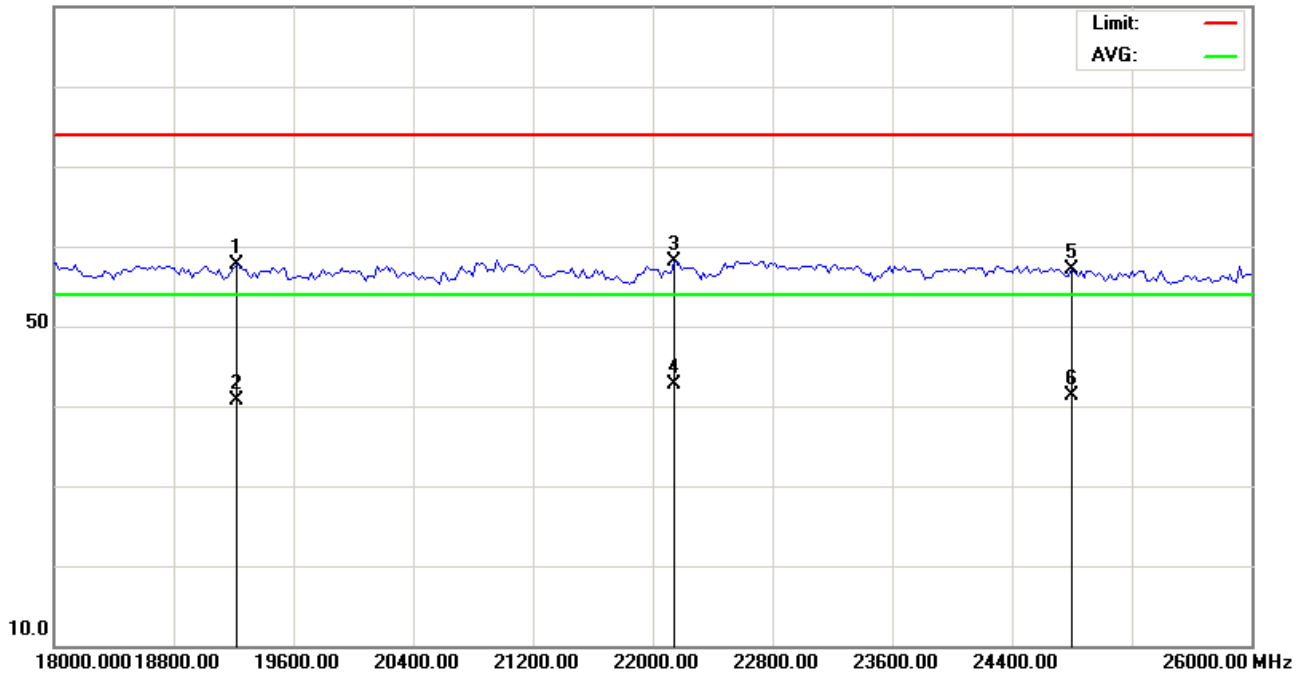
File :colorado 111(2462)

Data :#13

Date: 2008/08/06

Time:

90.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 1m

M/N:

Mode: 11g

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		19220.00	25.02	32.75	57.77	74.00	-16.23	peak		
2		19220.00	8.01	32.75	40.76	54.00	-13.24	AVG		
3		22140.00	27.32	30.76	58.08	74.00	-15.92	peak		
4	*	22140.00	11.93	30.76	42.69	54.00	-11.31	AVG		
5		24800.00	28.14	28.94	57.08	74.00	-16.92	peak		
6		24800.00	12.41	28.94	41.35	54.00	-12.65	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.

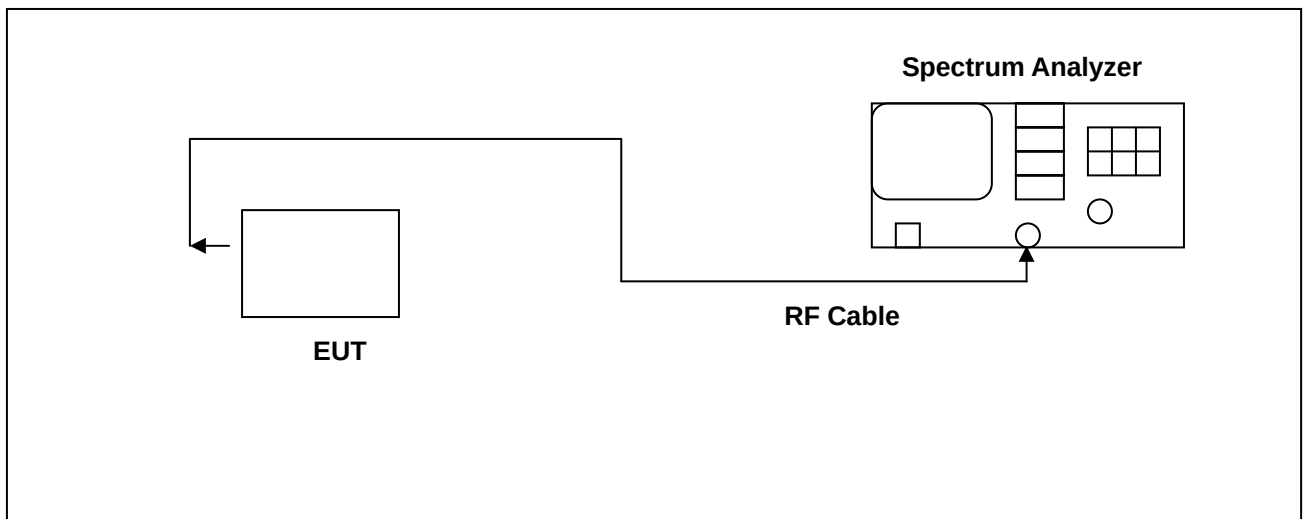
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to spectrum analyzer. 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 $(\text{GAIN} - 6)/3$ 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 Instruments Configuration:





4.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	Nov. 29, 2007	Nov.29, 2008

4.4 Test Result:

802.11b

Frequency (MHz)	Output (dBm)	Required Limit
2412	18.37	<30dBm
2437	18.69	<30dBm
2462	17.52	<30dBm

802.11g

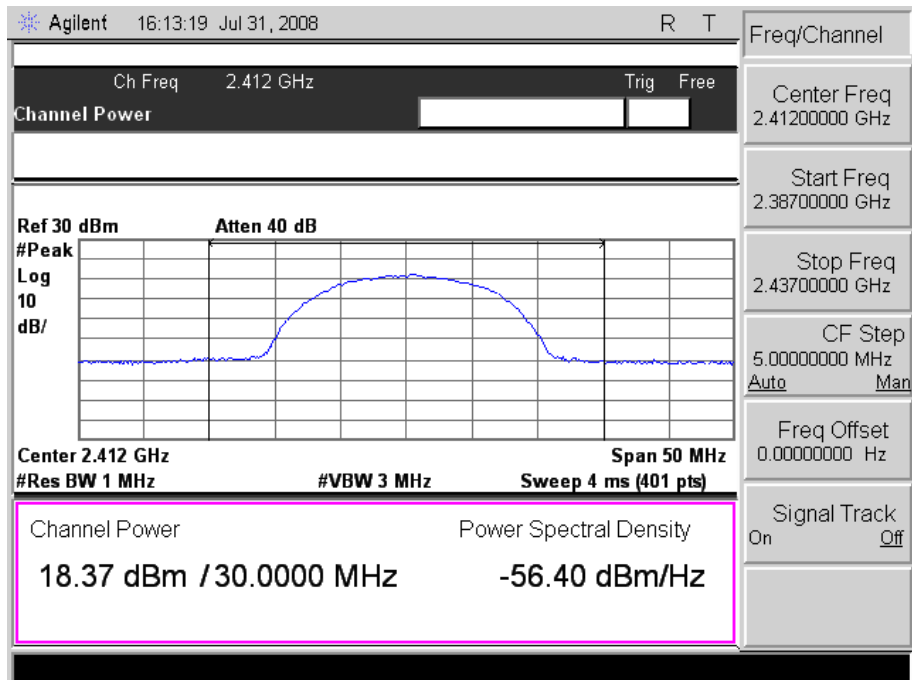
Frequency (MHz)	Output (dBm)	Required Limit
2412	18.39	<30dBm
2437	18.29	<30dBm
2462	17.75	<30dBm

Note: Test Graphs See next page.

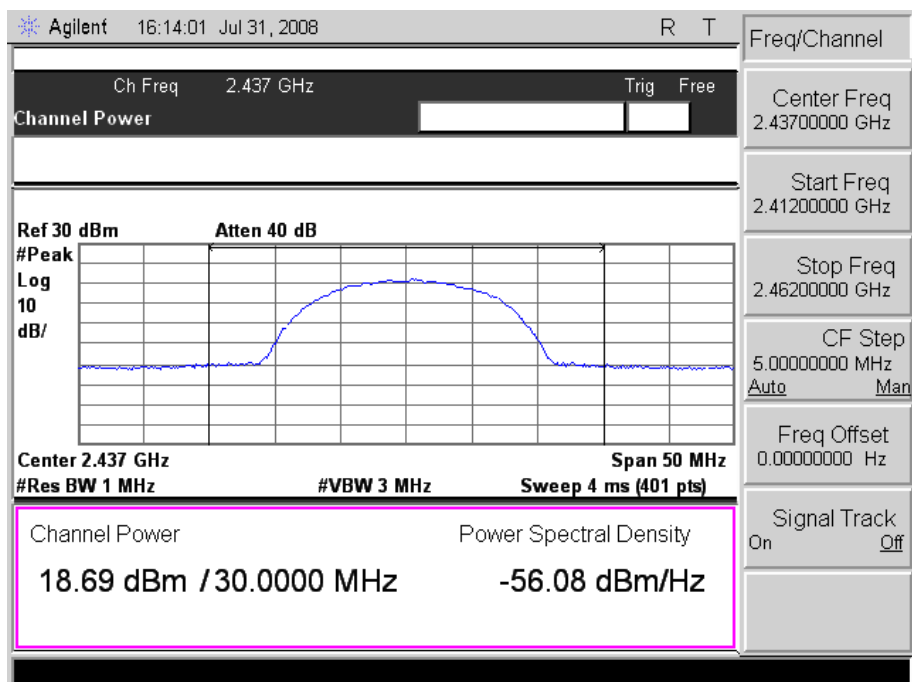


4.5 Test Graphs

802.11b CH1 (2412MHz)

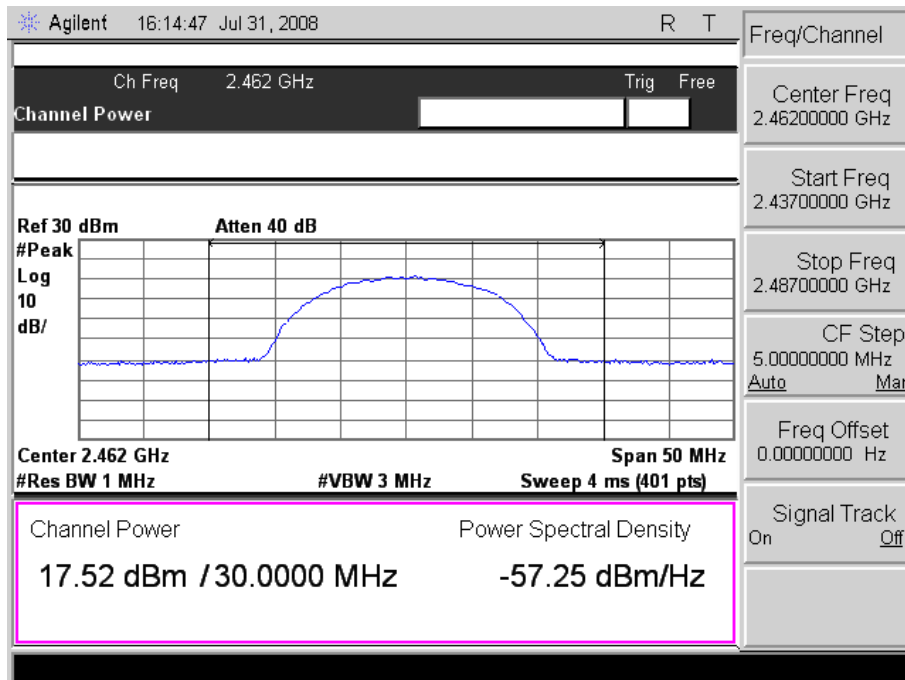


802.11b CH6 (2437MHz)



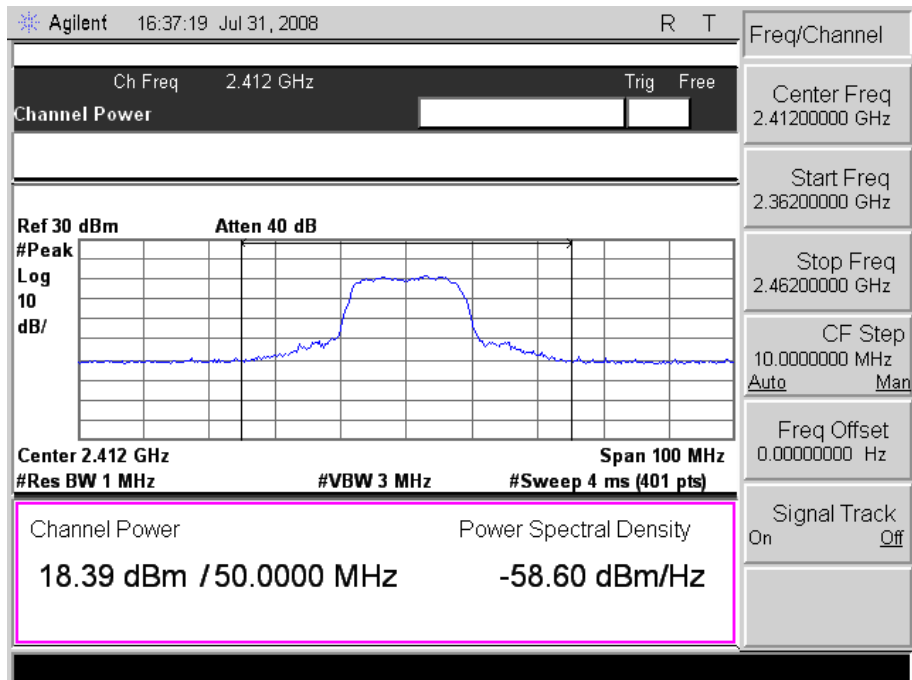


802.11b CH11 (2462MHz)

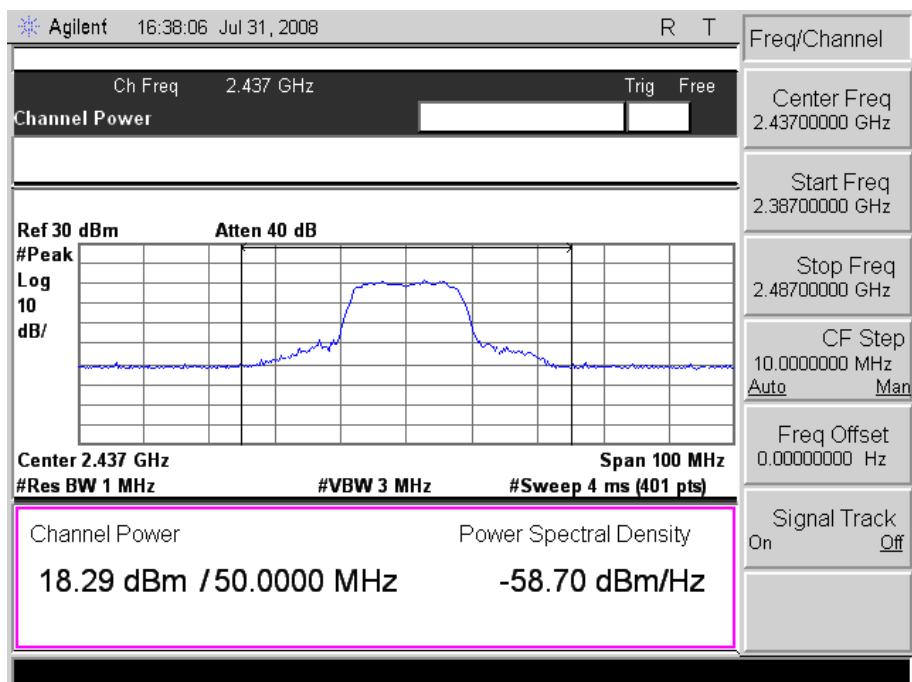




802.11g CH1 (2412MHz)

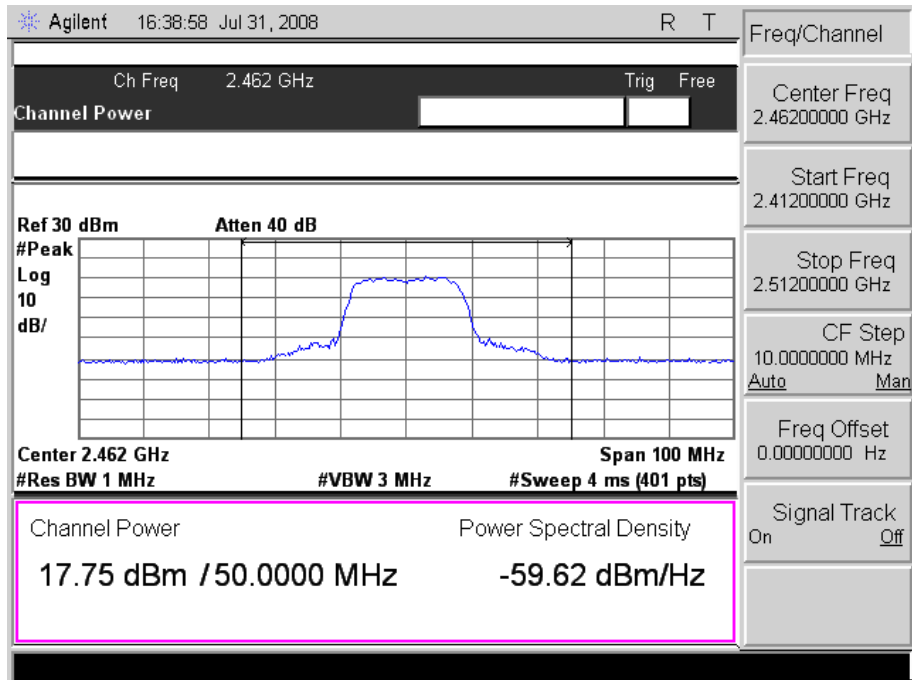


802.11g CH6 (2437MHz)





802.11g CH11 (2462MHz)





5. Minimum 6dB RF Bandwidth Requirements

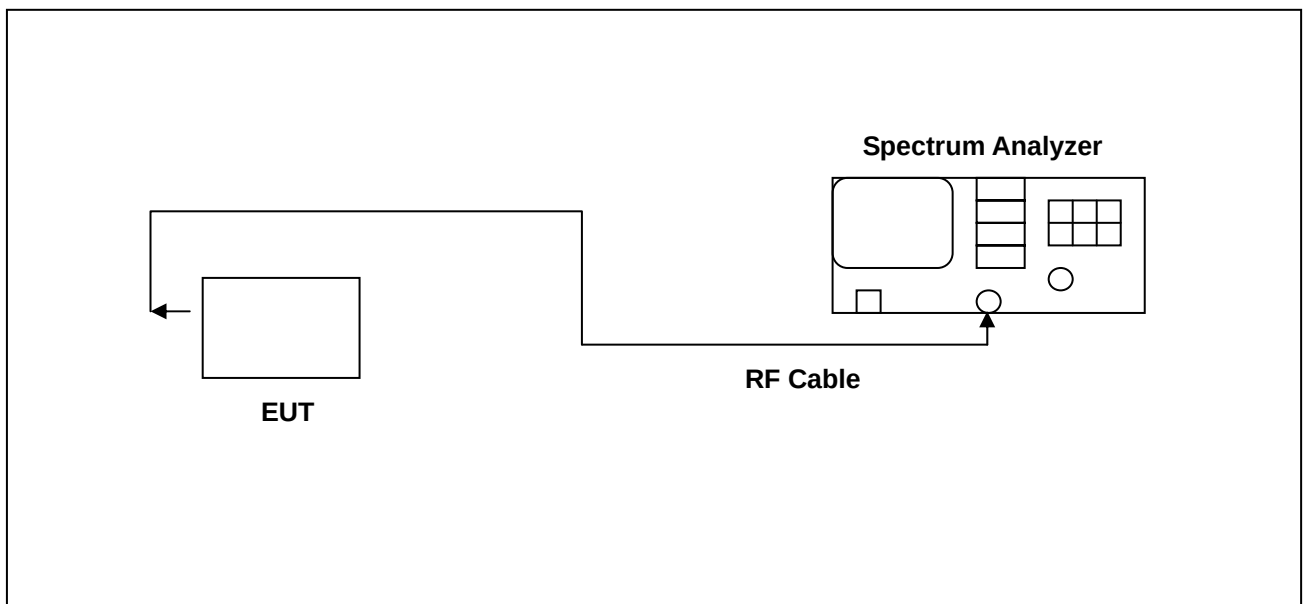
5.1 Test Condition & Setup:

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 Instruments Configuration:



5.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	Nov. 29, 2007	Nov. 29, 2008



5.4 Test Result:

802.11b

Frequency (MHz)	Min. 6dB Bandwidth (MHz)	Required Limit
2412	9.500	> 500 KHz
2437	9.625	> 500 KHz
2462	9.625	> 500 KHz

802.11g

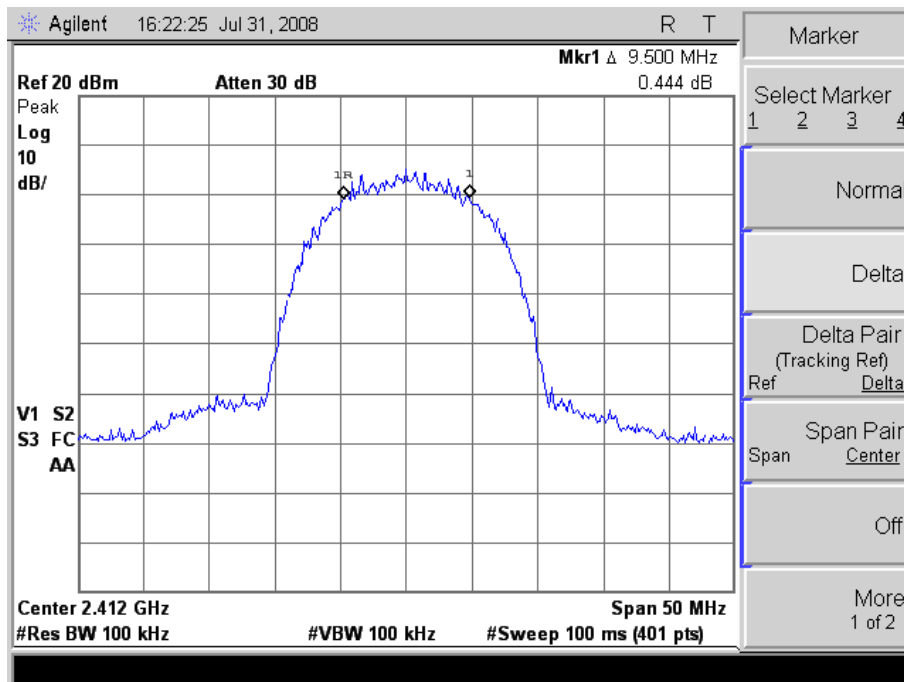
Frequency (MHz)	Min. 6dB Bandwidth (MHz)	Required Limit
2412	16.375	> 500 KHz
2437	16.125	> 500 KHz
2462	16.375	> 500 KHz

Note: Test Graphs See next page.

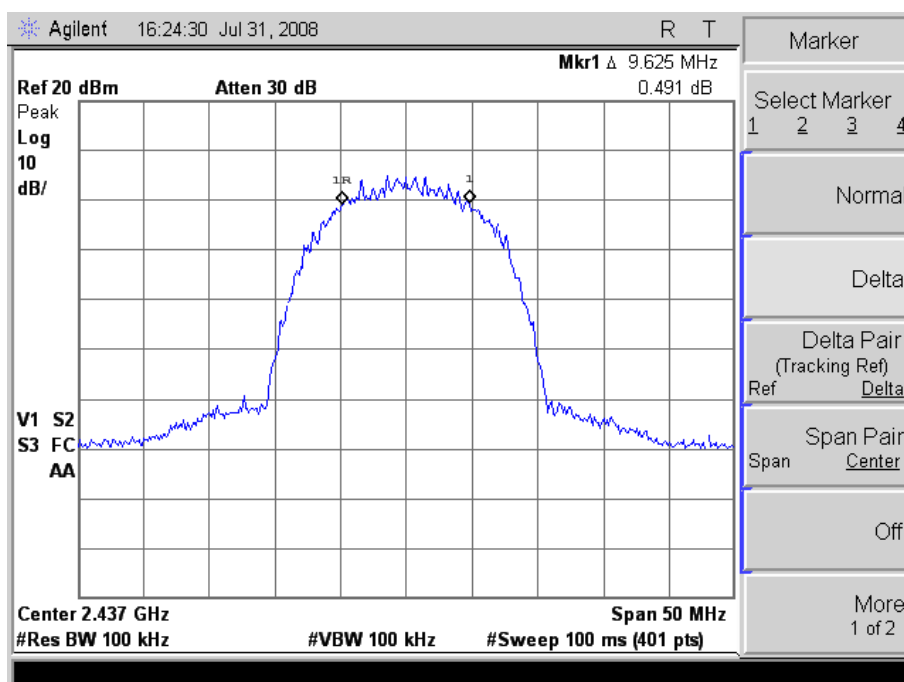


5.5 Test Graphs

802.11b (2412MHz)

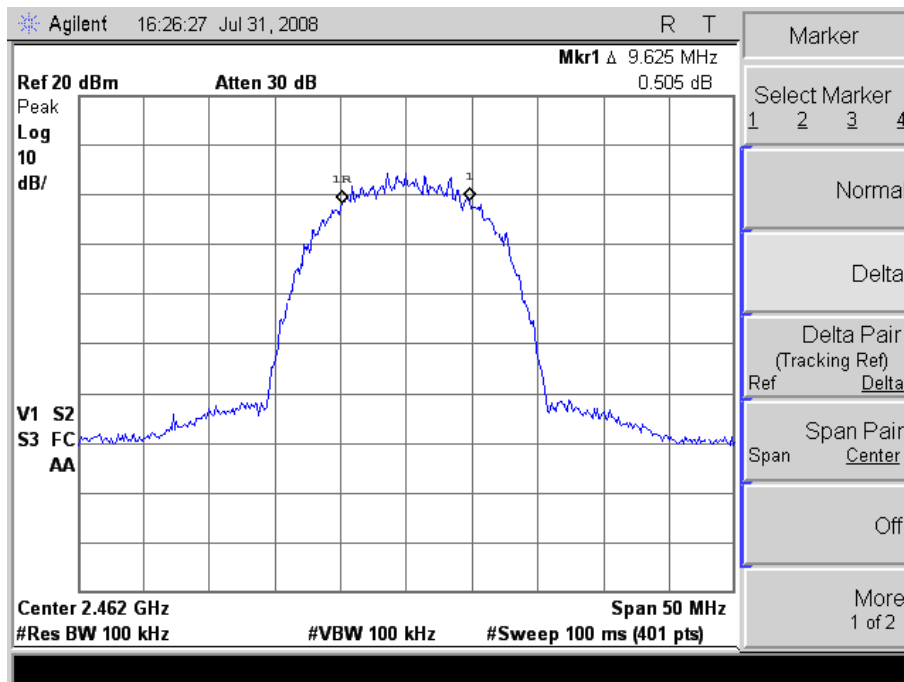


802.11b (2437MHz)



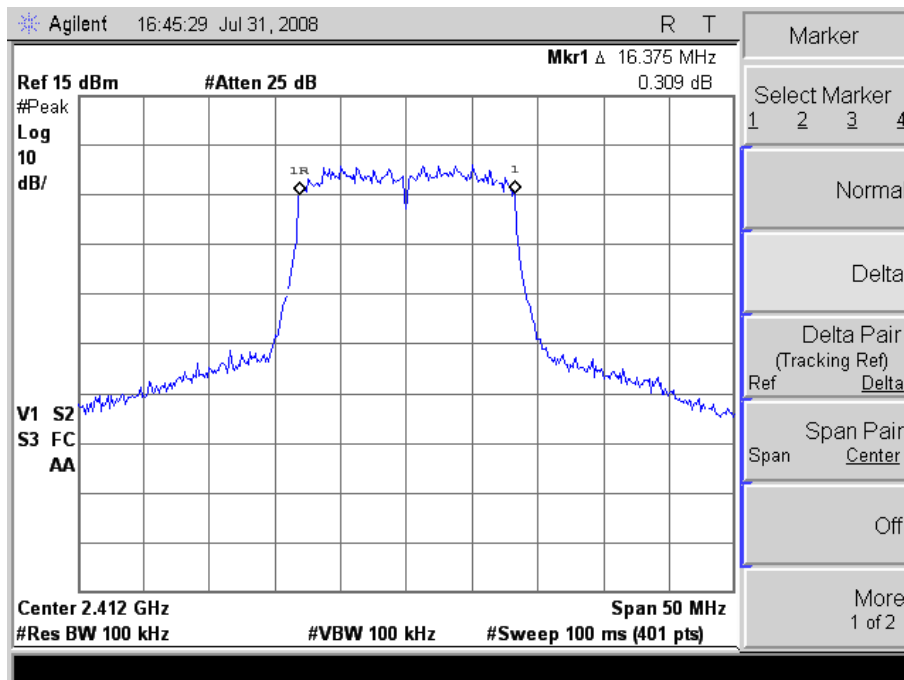


802.11b (2462MHz)

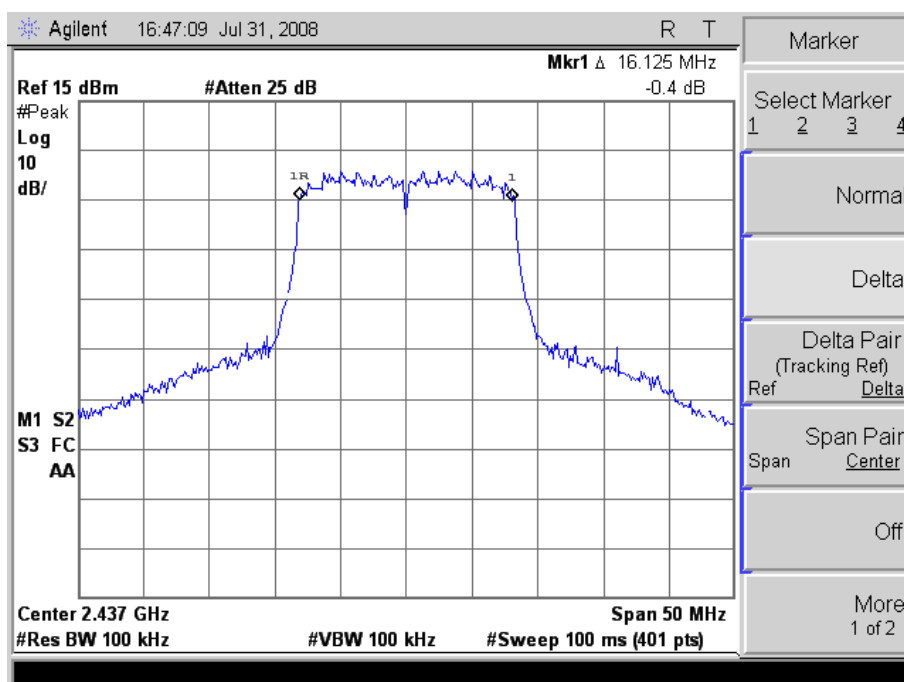




802.11g (2412MHz)

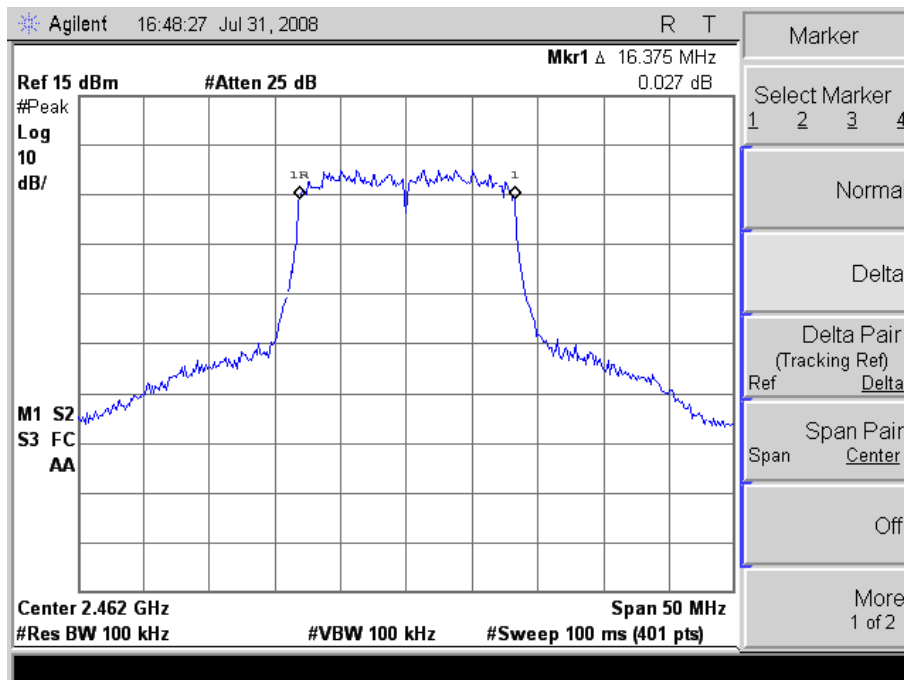


802.11g (2437MHz)





802.11g (2462MHz)



6. Maximum Power Density Requirements

6.1 Test Condition & Setup:

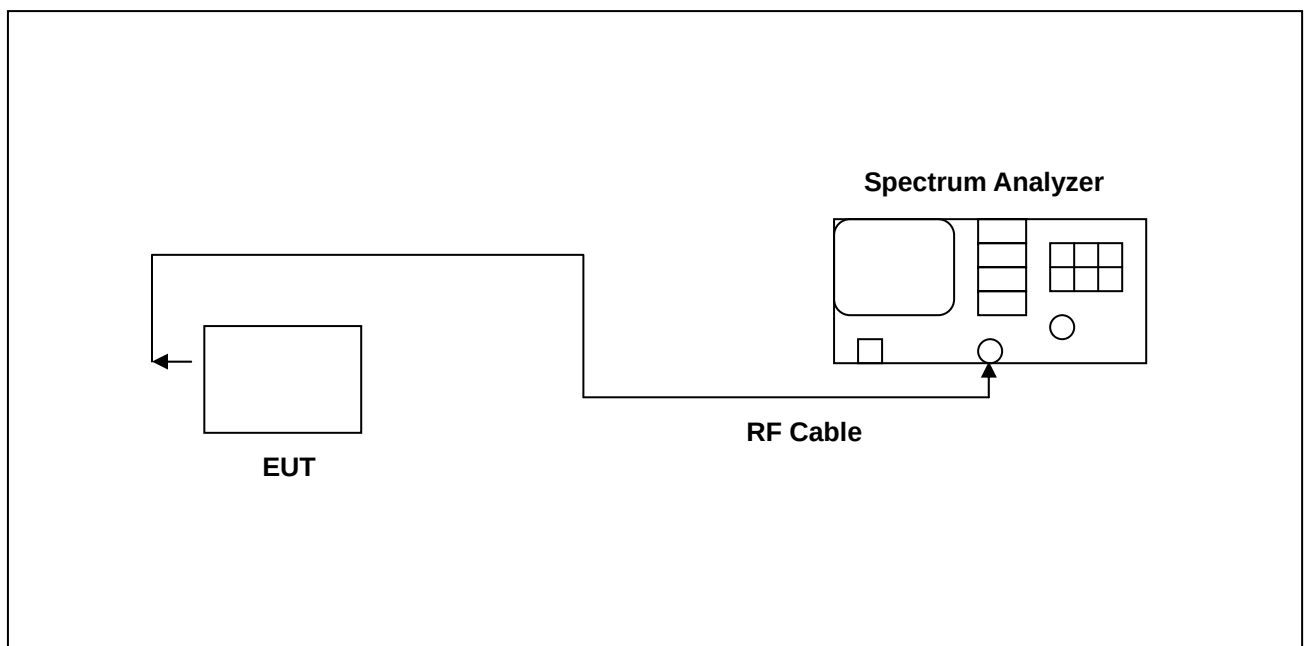
The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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:

$$\text{SWEEP TIME (SEC)} = (\text{Fstop, kHz} - \text{Fstart, kHz}) / 3 \text{ kHz}$$

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 Instruments Configuration:





6.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	Nov. 29, 2007	Nov. 29, 2008

6.4 Test Result:

802.11b

Frequency (MHz)	Power Density (dBm)	Required Limit
2412	-4.837	<8dBm
2437	-10.59	<8dBm
2462	-6.027	<8dBm

802.11g

Frequency (MHz)	Power Density (dBm)	Required Limit
2412	-14.31	<8dBm
2437	-13.36	<8dBm
2462	-15.18	<8dBm

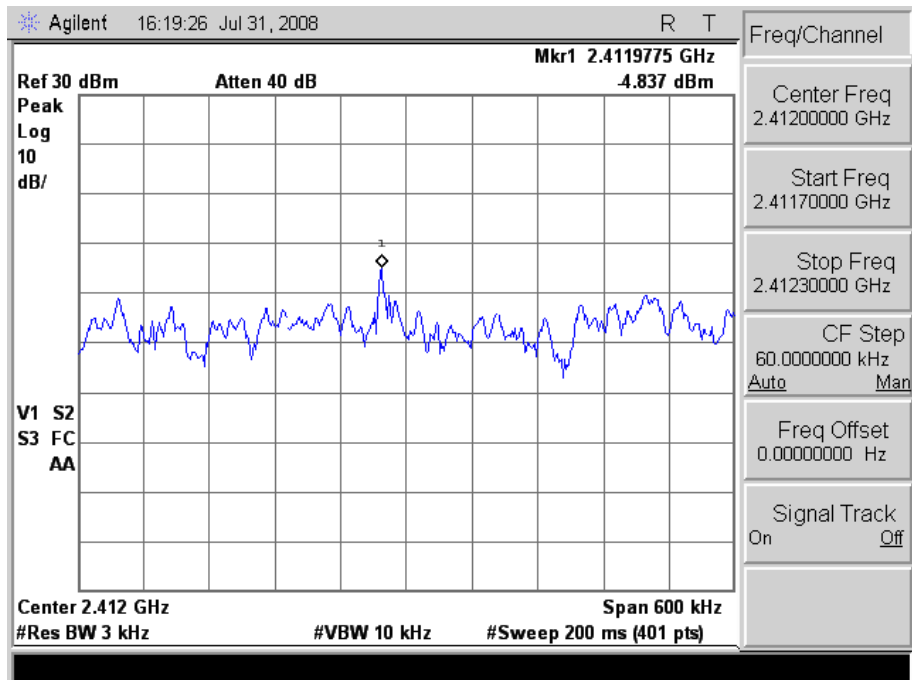
Note:

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

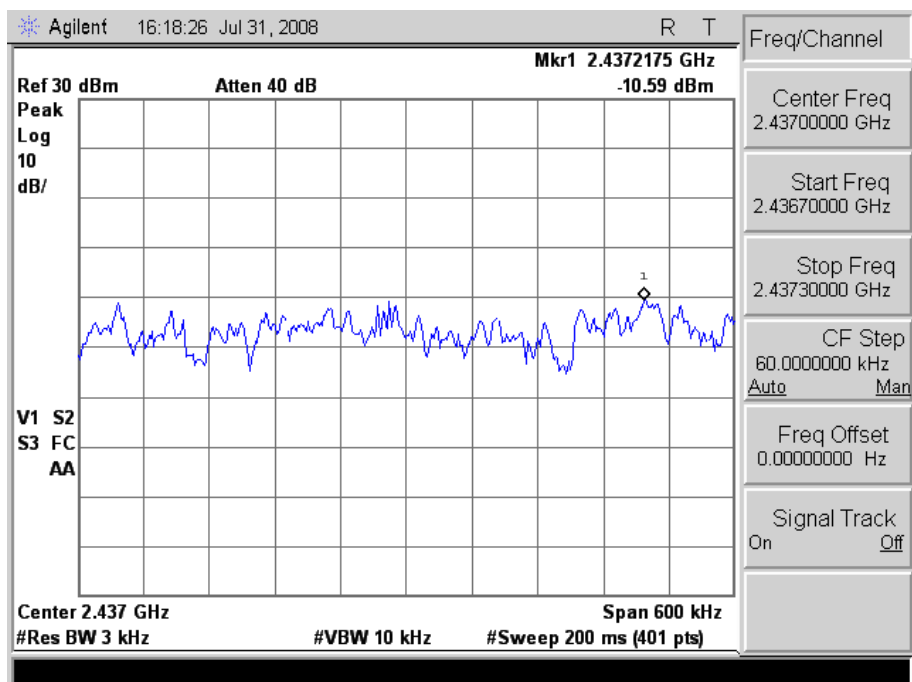


6.5 Test Graphs

802.11b (2412MHz)

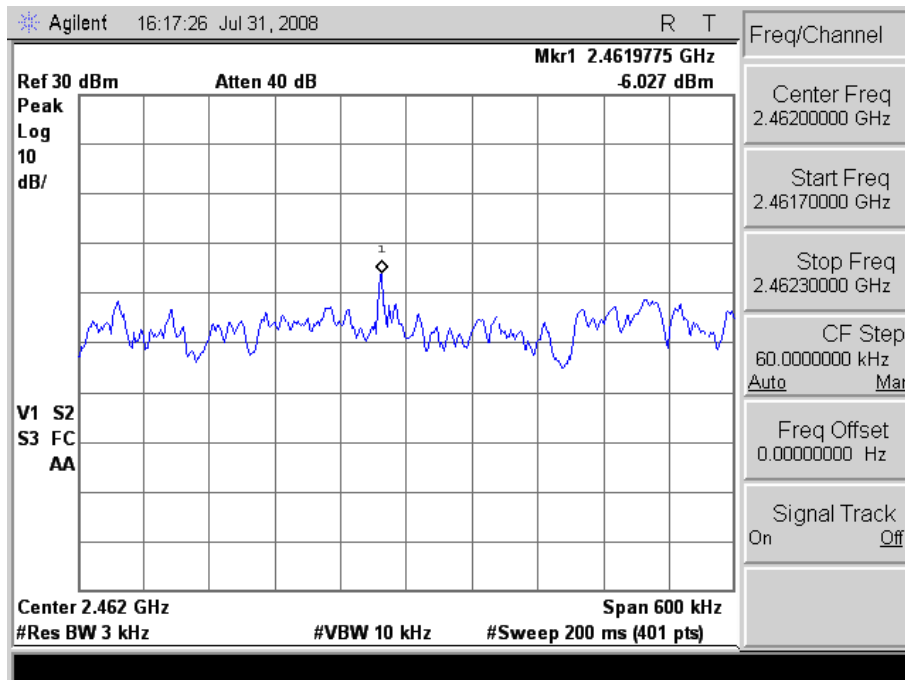


802.11b (2437MHz)



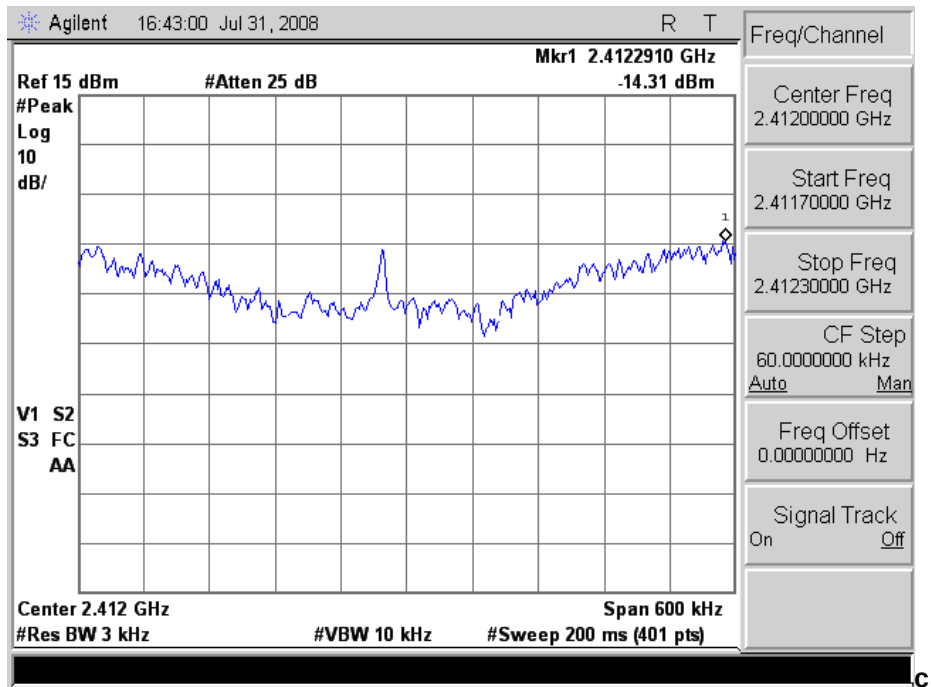


802.11b (2462MHz)

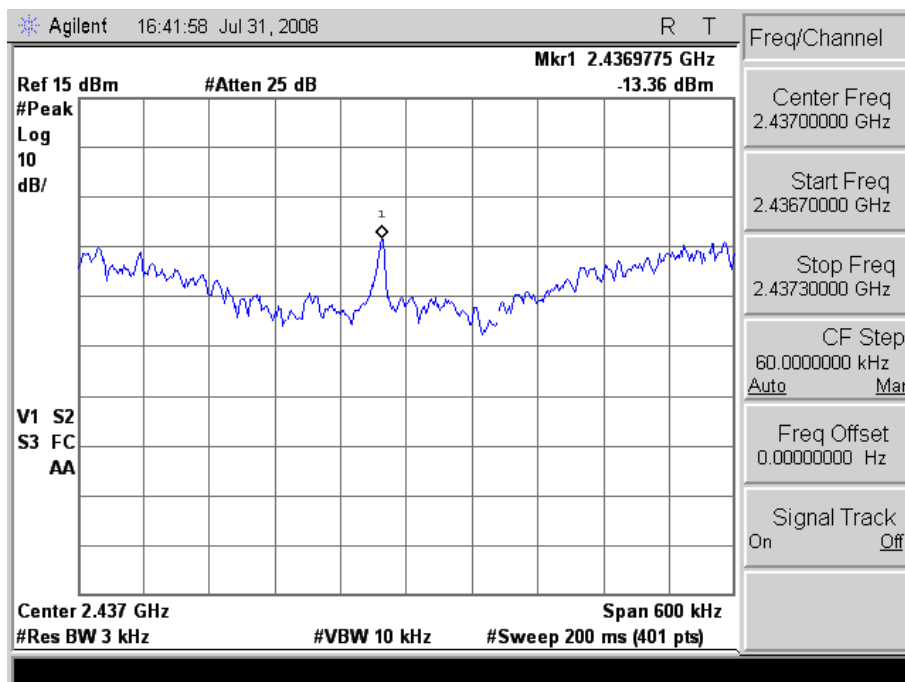




802.11g (2412MHz)

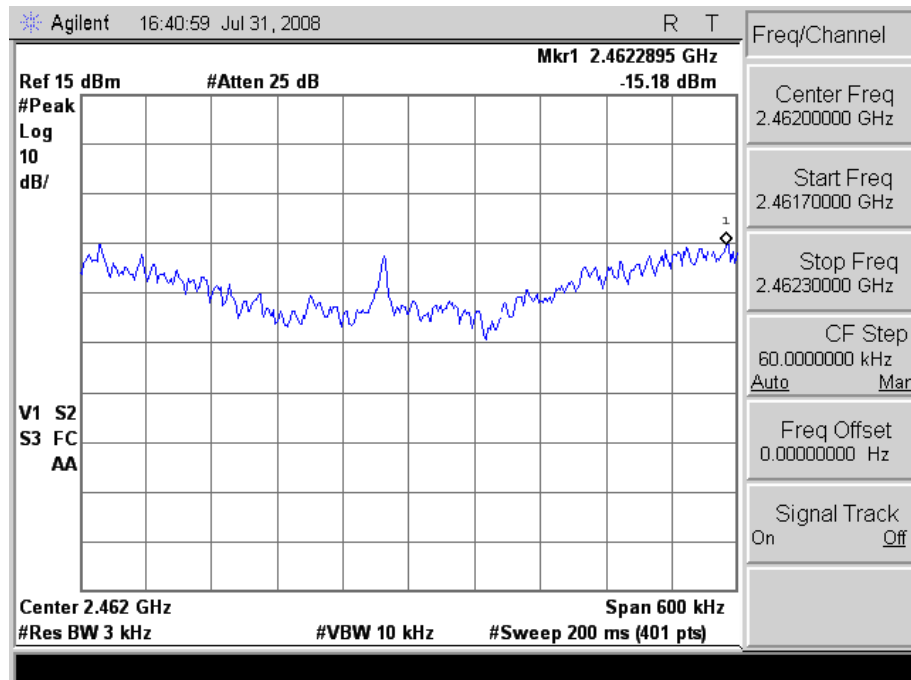


802.11g (2437MHz)





802.11g (2462MHz)



7. Out of Band Conducted Emissions Requirements

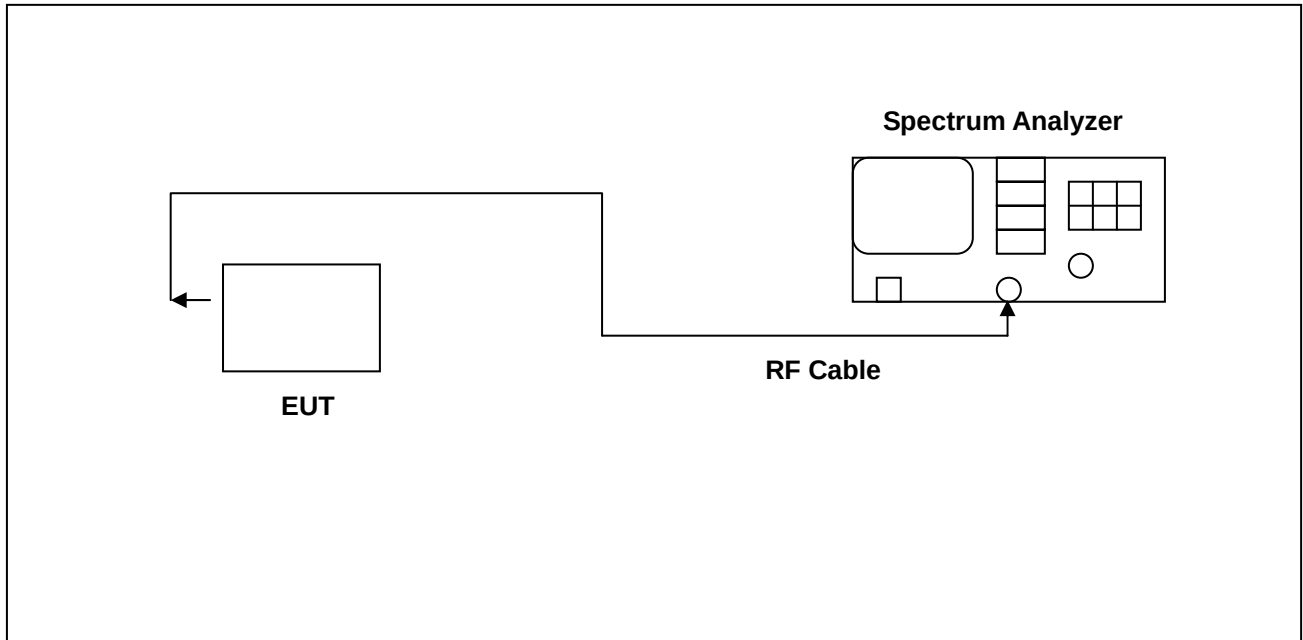
7.1 Test Condition & Setup:

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 Instruments Configuration:





7.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	Nov.29, 2007	Nov.29, 2008

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.

Note: Test Graphs See next page.



7.5 Test Graphs

7.5.1 802.11b Test Graphs

Please refer to next pager of detail testing data.



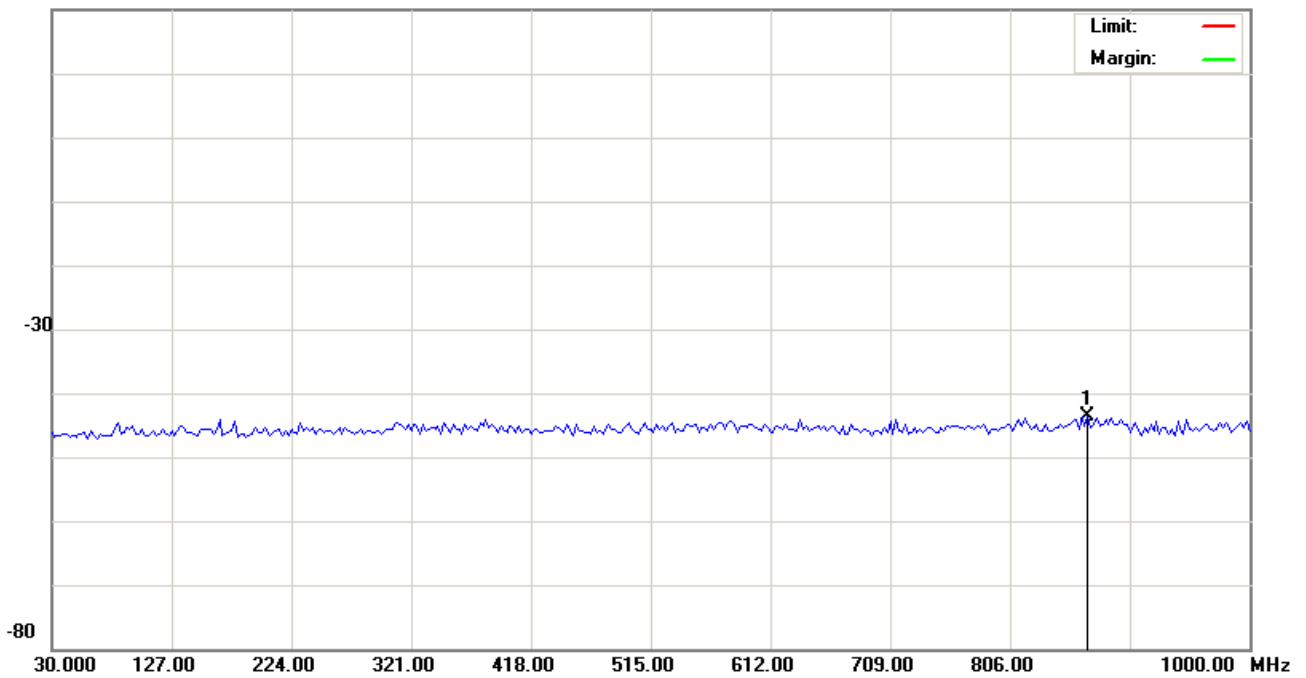
File :colorado 111(20db)

Data :#1

Date: 2008/7/31

Time: 下午 04:36:36

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 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
1	*	869.0500	-44.50	1.00	-43.50			peak		Comment

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

●Reference Only



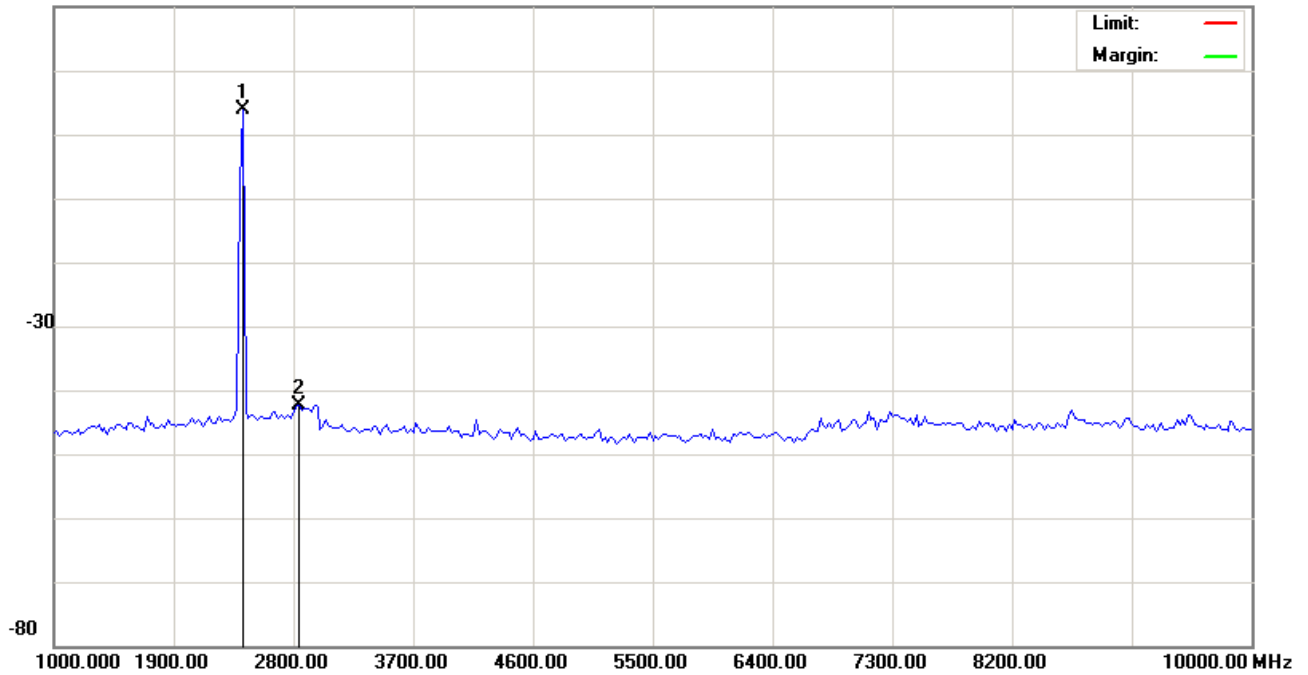
File :colorado 111(20db)

Data :#2

Date: 2008/7/31

Time: 下午 04:36:50

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH01(2412)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	2417.500	2.97	1.01	3.98					peak
2		2845.000	-43.48	1.01	-42.47					peak

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

●Reference Only



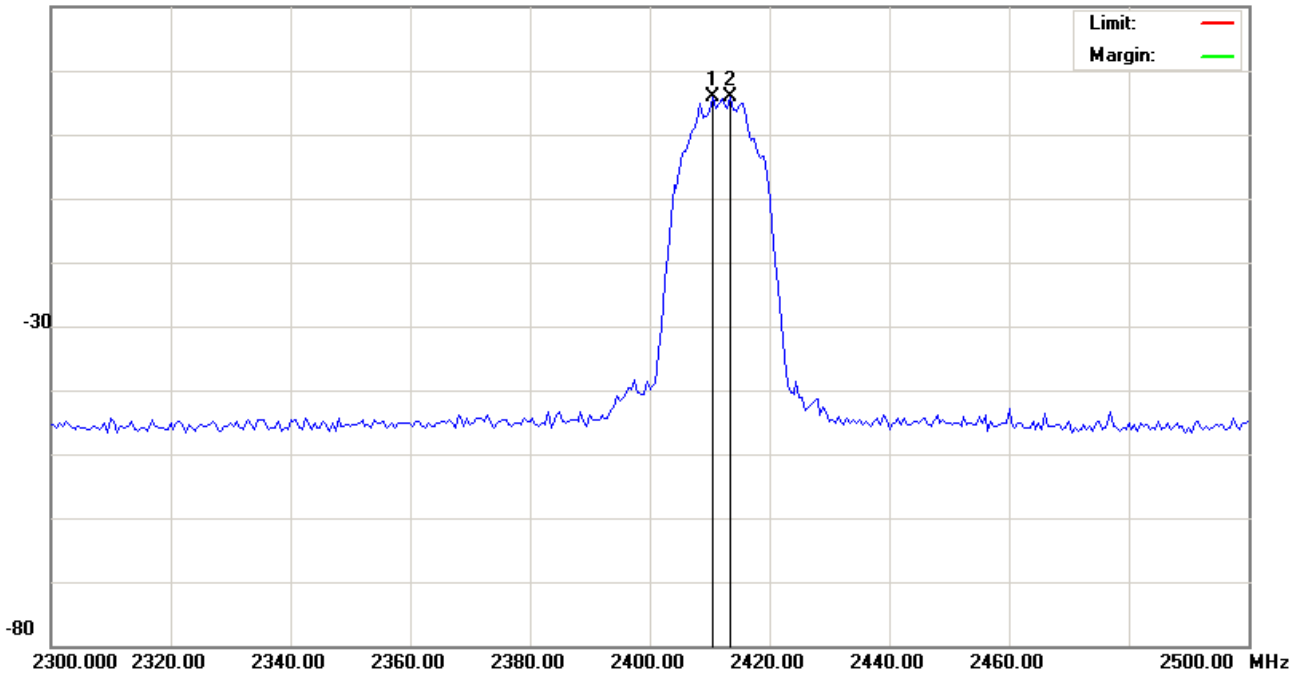
File :colorado 111(20db)

Data :#3

Date: 2008/7/31

Time: 下午 04:37:03

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 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
1		2410.500	4.86	1.01	5.87			peak		
2	*	2413.500	4.90	1.01	5.91			peak		

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

●Reference Only



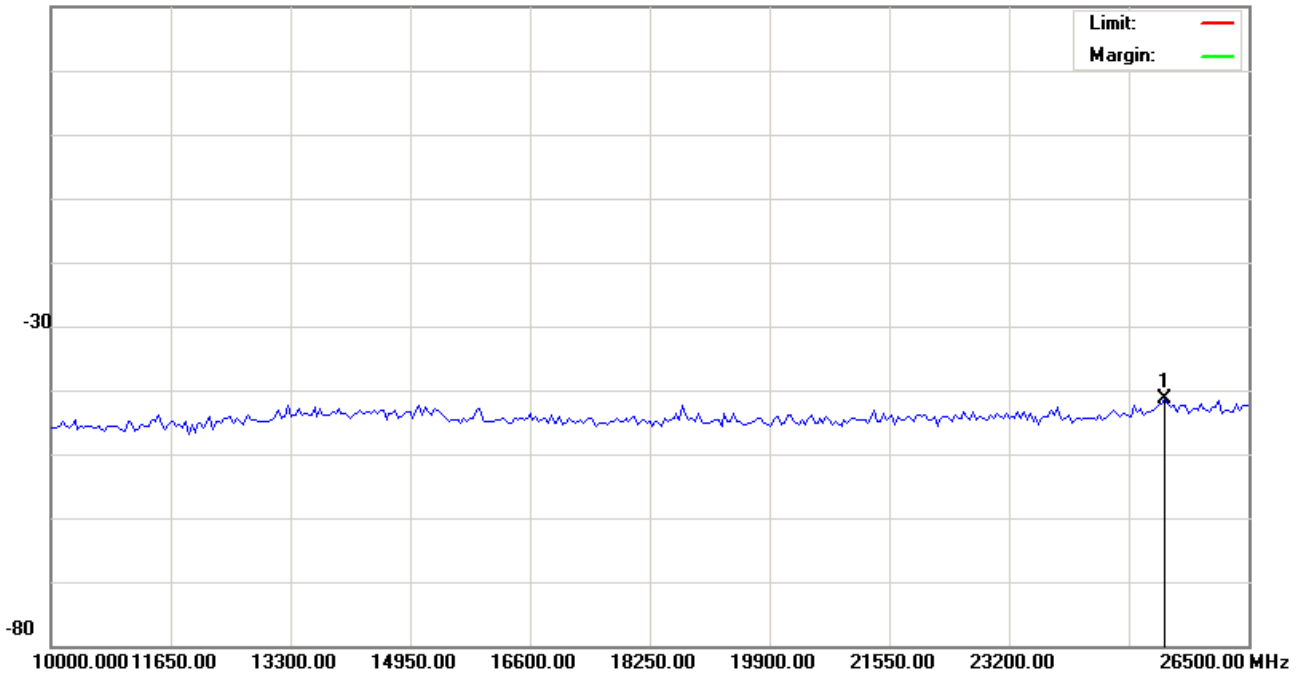
File :colorado 111(20db)

Data :#4

Date: 2008/7/31

Time: 下午 04:37:17

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH01(2412)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	25345.00	-42.36	1.11	-41.25			peak		

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

●Reference Only



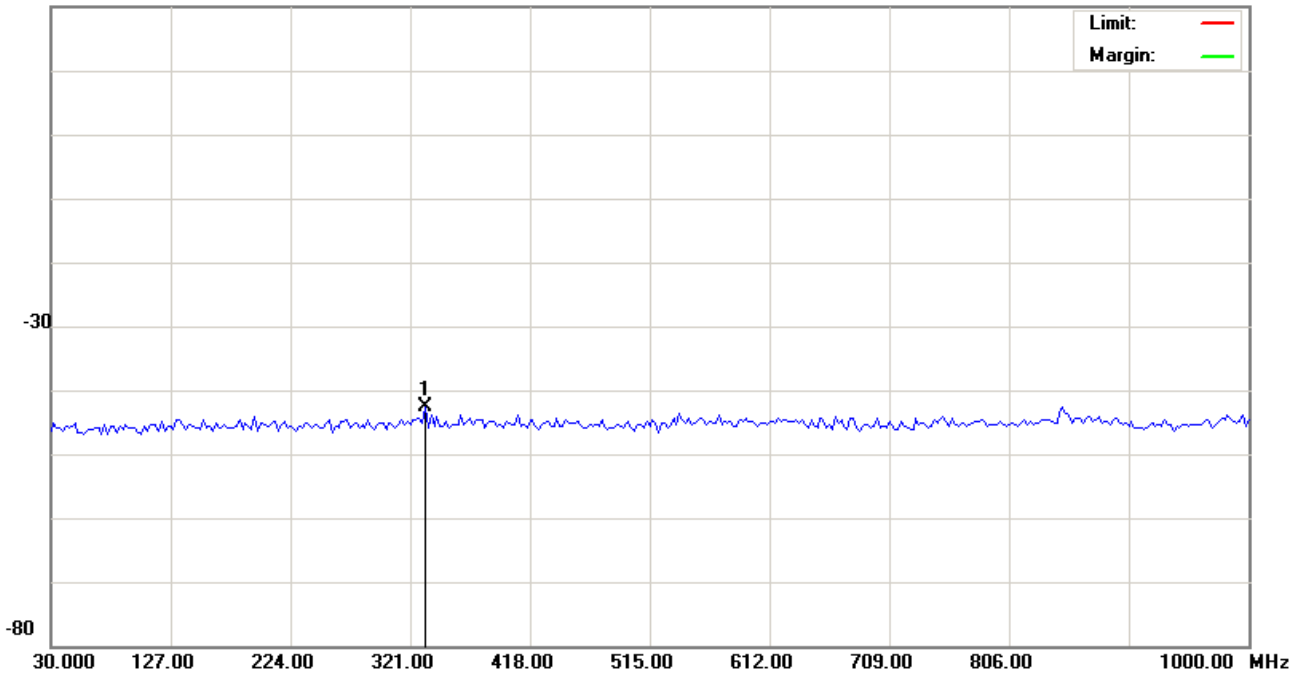
File :colorado 111(20db)

Data :#5

Date: 2008/7/31

Time: 下午 04:39:25

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH06(2437)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	333.1250	-43.56	1.00	-42.56			peak		Comment

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

●Reference Only



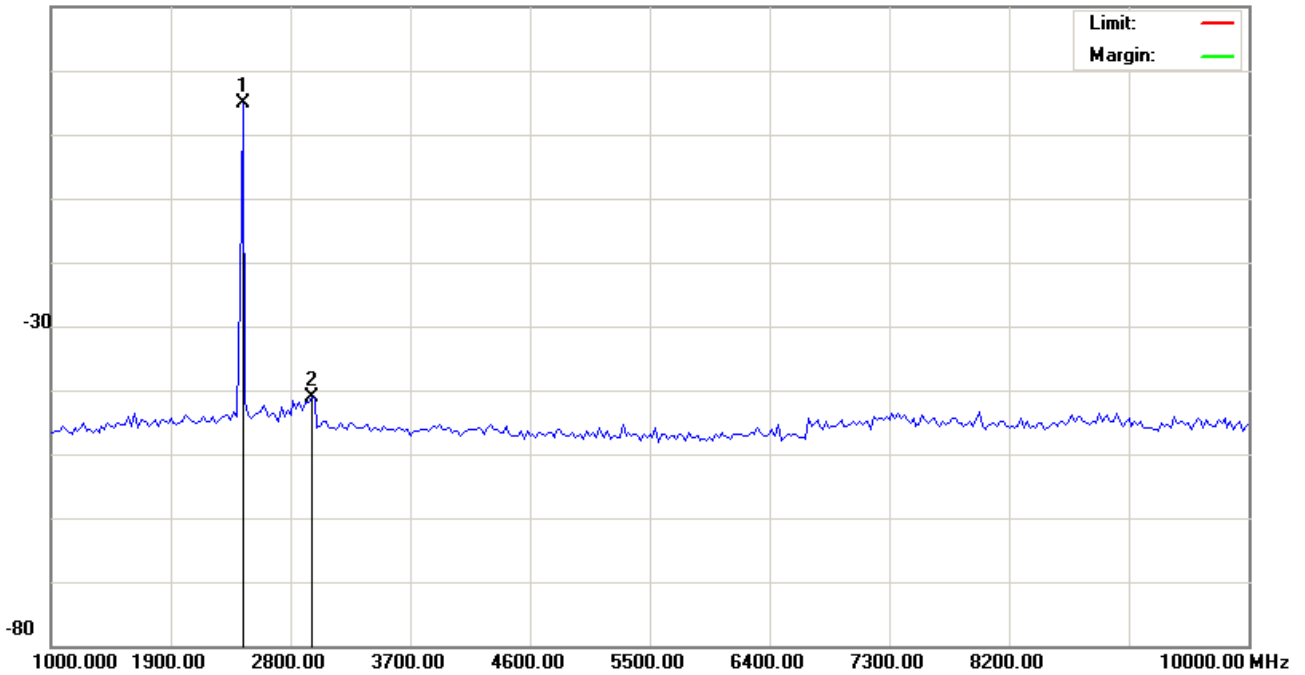
File :colorado 111(20db)

Data :#6

Date: 2008/7/31

Time: 下午 04:39:39

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH06(2437)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	2440.000	3.94	1.01	4.95					peak
2		2957.500	-42.12	1.01	-41.11					peak

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

●Reference Only



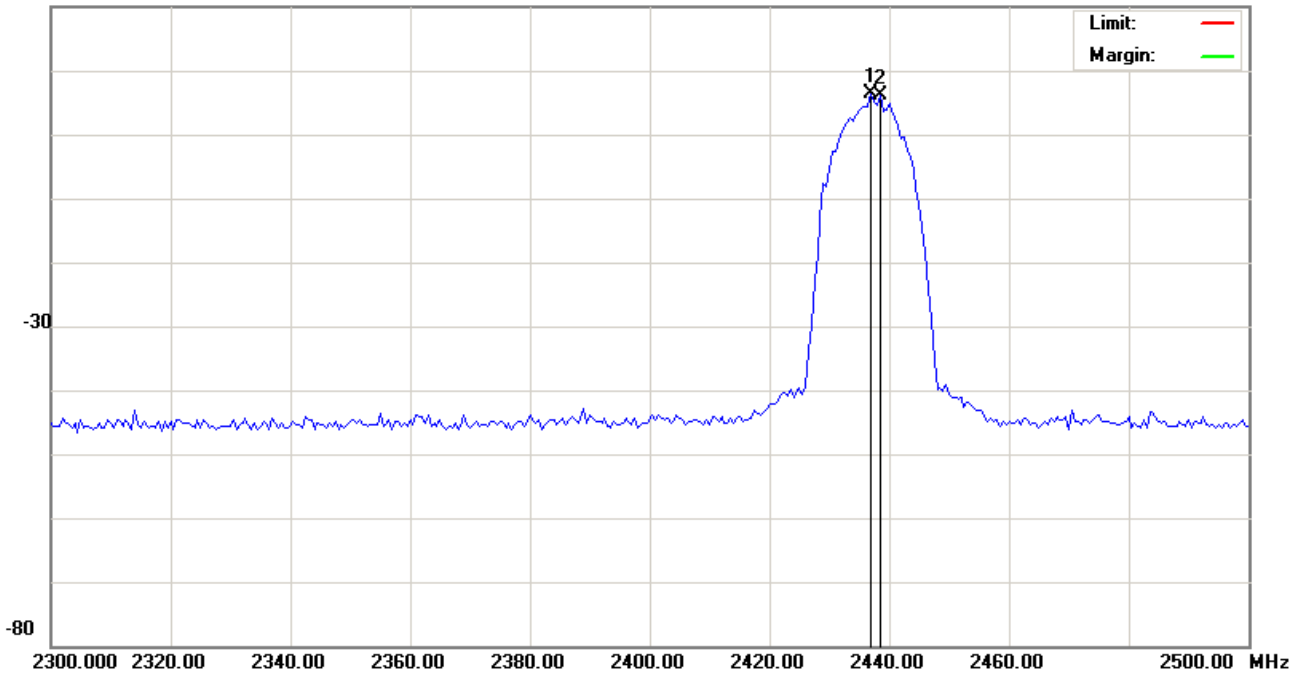
File :colorado 111(20db)

Data :#7

Date: 2008/7/31

Time: 下午 04:39:52

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH06(2437)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	2437.000	5.29	1.01	6.30			peak		
2		2438.500	5.18	1.01	6.19			peak		

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

●Reference Only



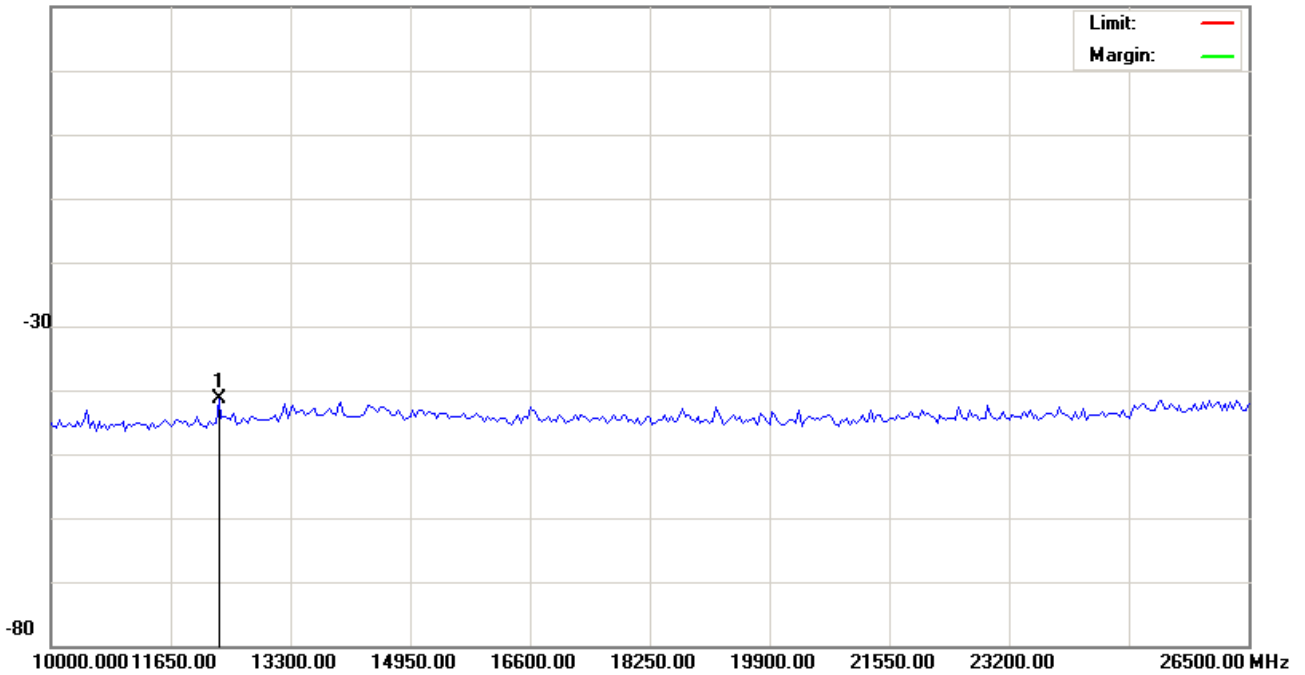
File :colorado 111(20db)

Data :#8

Date: 2008/7/31

Time: 下午 04:40:05

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH06(2437)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	12310.00	-42.54	1.05	-41.49			peak		

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

●Reference Only



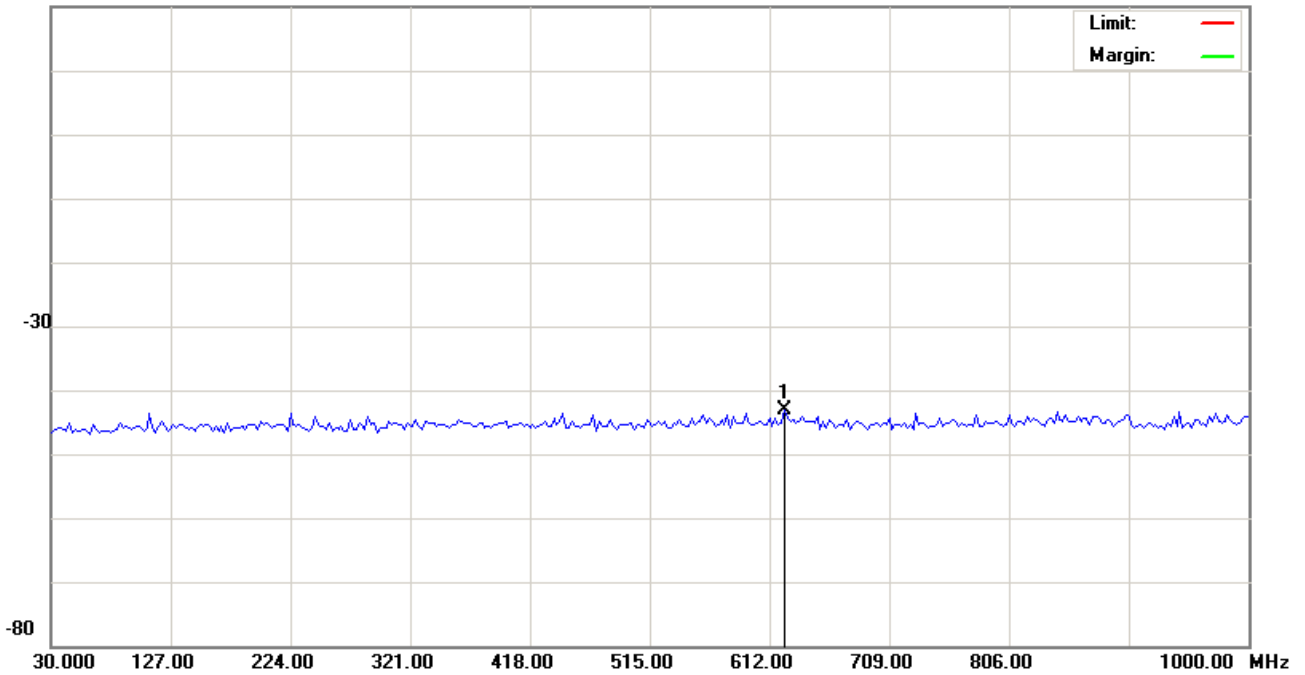
File :colorado 111(20db)

Data :#9

Date: 2008/7/31

Time: 下午 04:41:04

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 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
1	*	624.1250	-44.20	1.00	-43.20			peak		Comment

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

●Reference Only



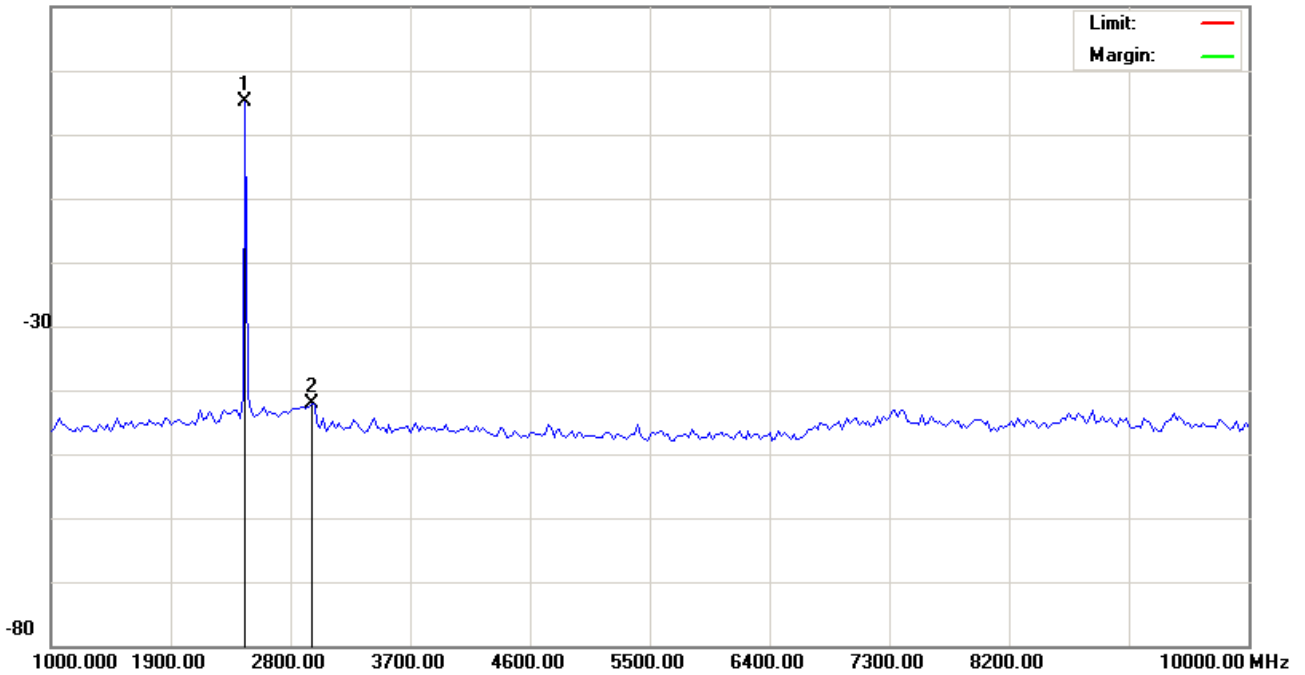
File :colorado 111(20db)

Data :#10

Date: 2008/7/31

Time: 下午 04:41:17

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH11(2462)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2462.500	4.19	1.01	5.20			peak		
2		2957.500	-43.10	1.01	-42.09			peak		

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

●Reference Only



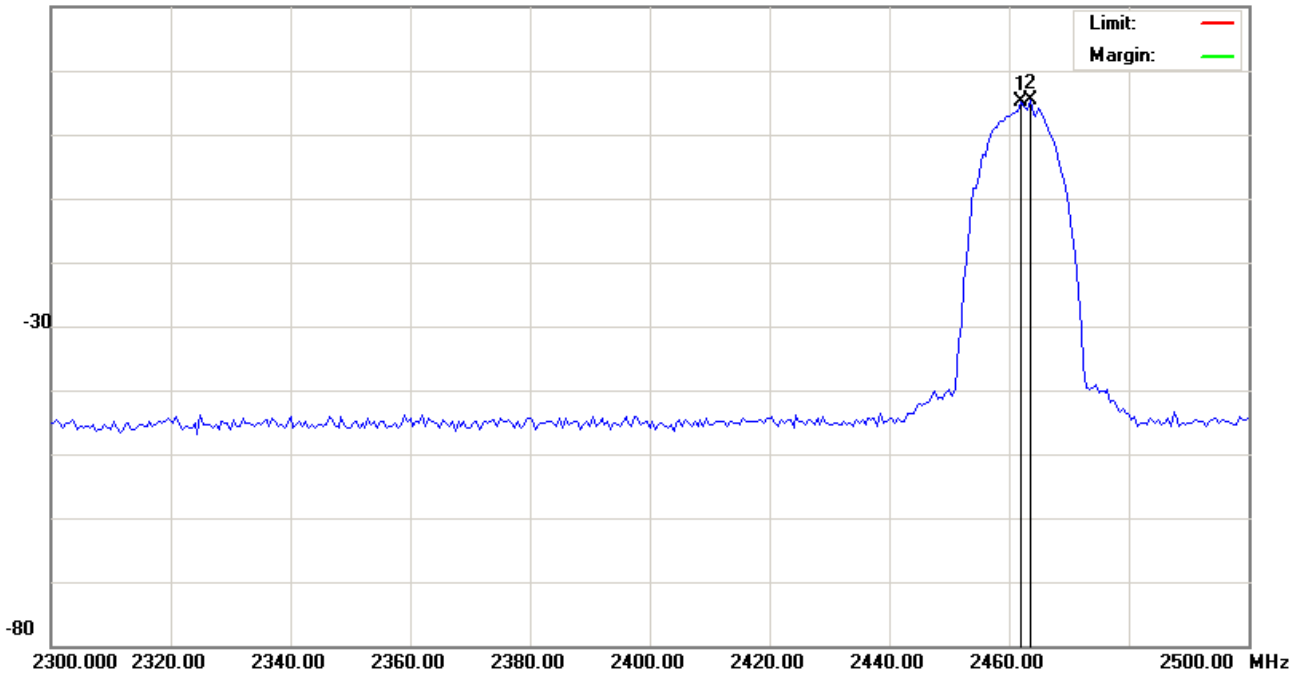
File :colorado 111(20db)

Data :#11

Date: 2008/7/31

Time: 下午 04:41:31

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH11(2462)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2462.000	4.16	1.01	5.17					peak
2	*	2463.500	4.42	1.01	5.43					peak

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

●Reference Only



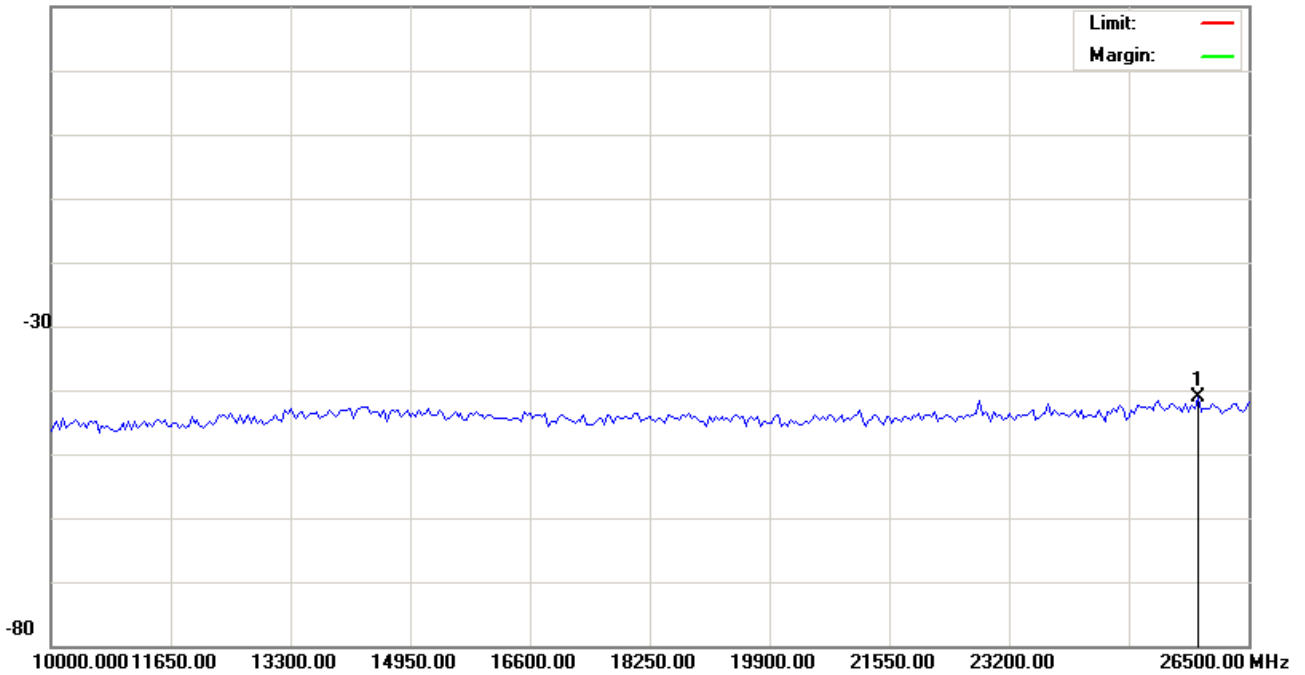
File :colorado 111(20db)

Data :#12

Date: 2008/7/31

Time: 下午 04:41:44

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11b

Note: CH11(2462)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	25798.75	-42.23	1.11	-41.12					peak

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

●Reference Only



7.5.2 802.11g Test Graphs

Please refer to next pager of detail testing data.



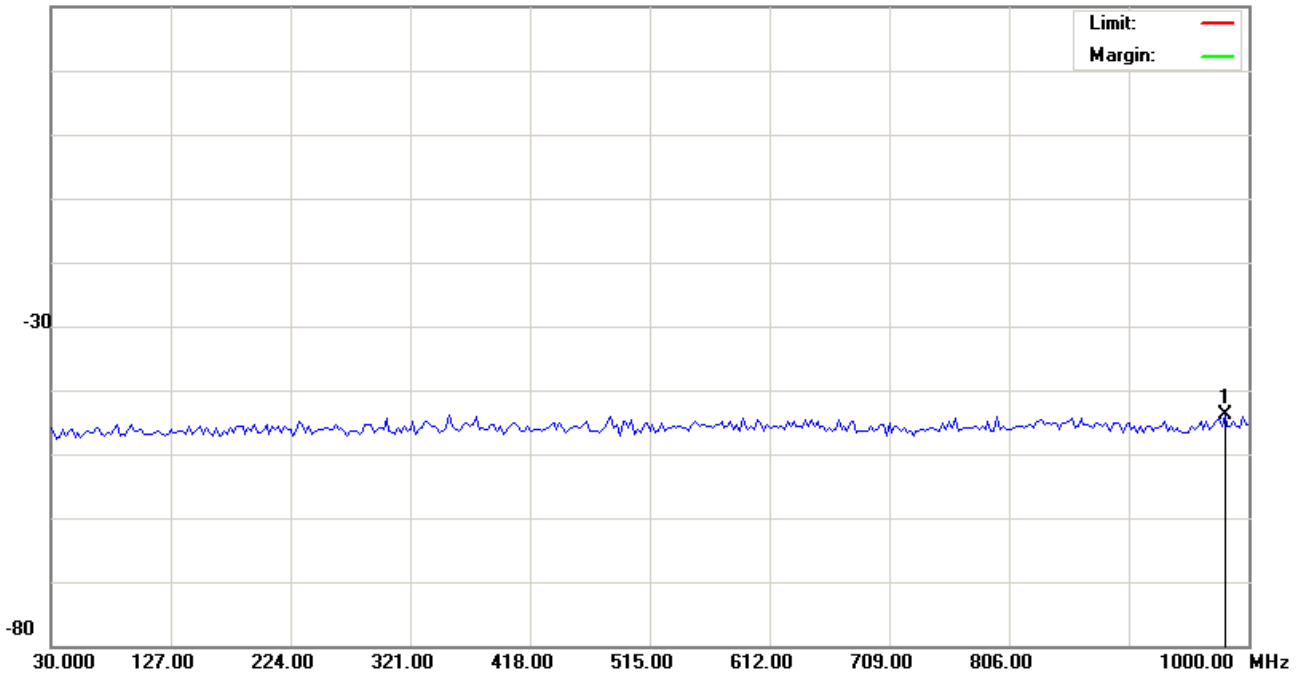
File :colorado 111(20db)

Data :#1

Date: 2008/7/31

Time: 下午 04:57:37

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

Note: CH01(2412)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	980.6000	-44.97	1.00	-43.97			peak		Comment

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

●Reference Only



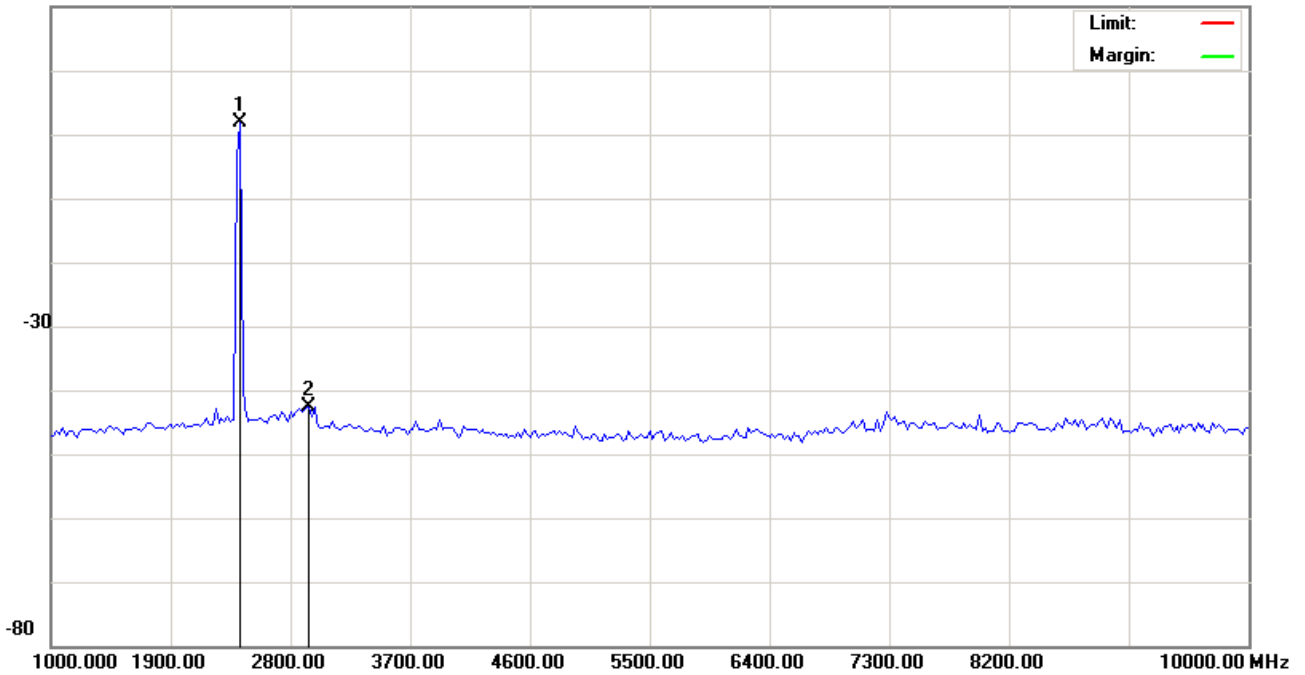
File :colorado 111(20db)

Data :#2

Date: 2008/7/31

Time: 下午 04:57:50

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 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
1	*	2417.500	0.98	1.01	1.99			peak		
2		2935.000	-43.64	1.01	-42.63			peak		

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

●Reference Only



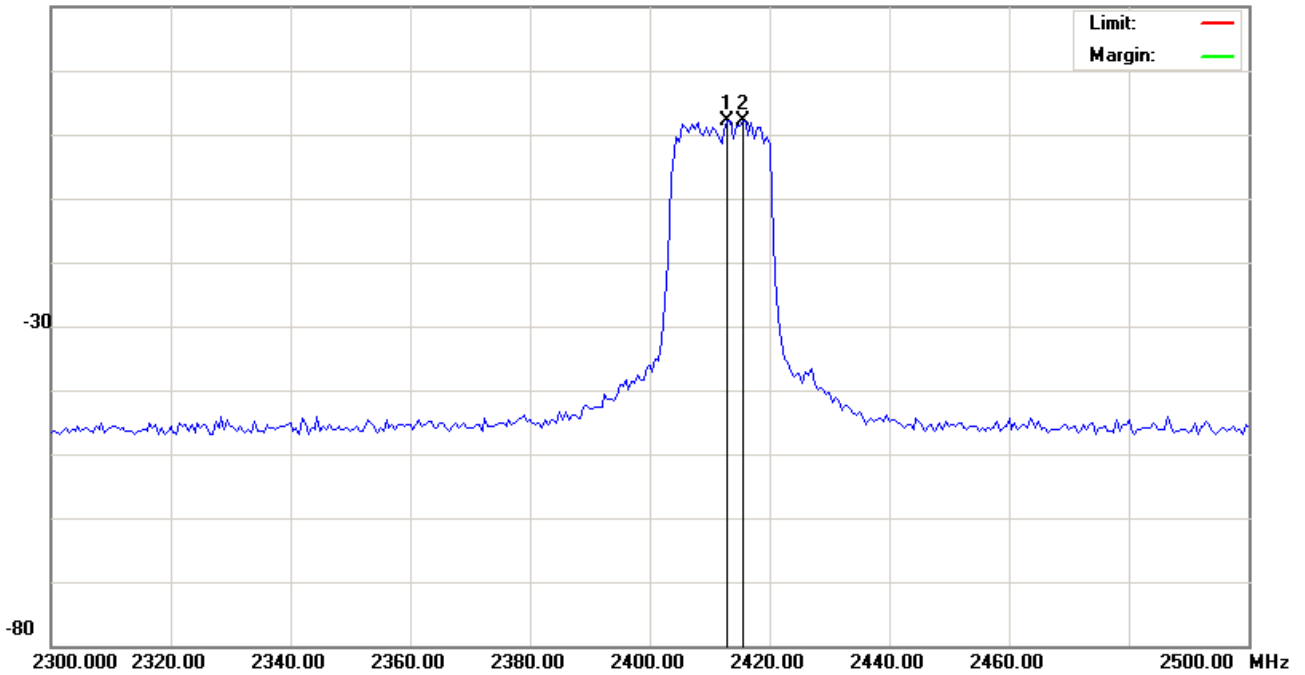
File :colorado 111(20db)

Data :#3

Date: 2008/7/31

Time: 下午 04:58:03

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 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
1		2413.000	1.03	1.01	2.04			peak		
2	*	2415.500	1.10	1.01	2.11			peak		

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

●Reference Only



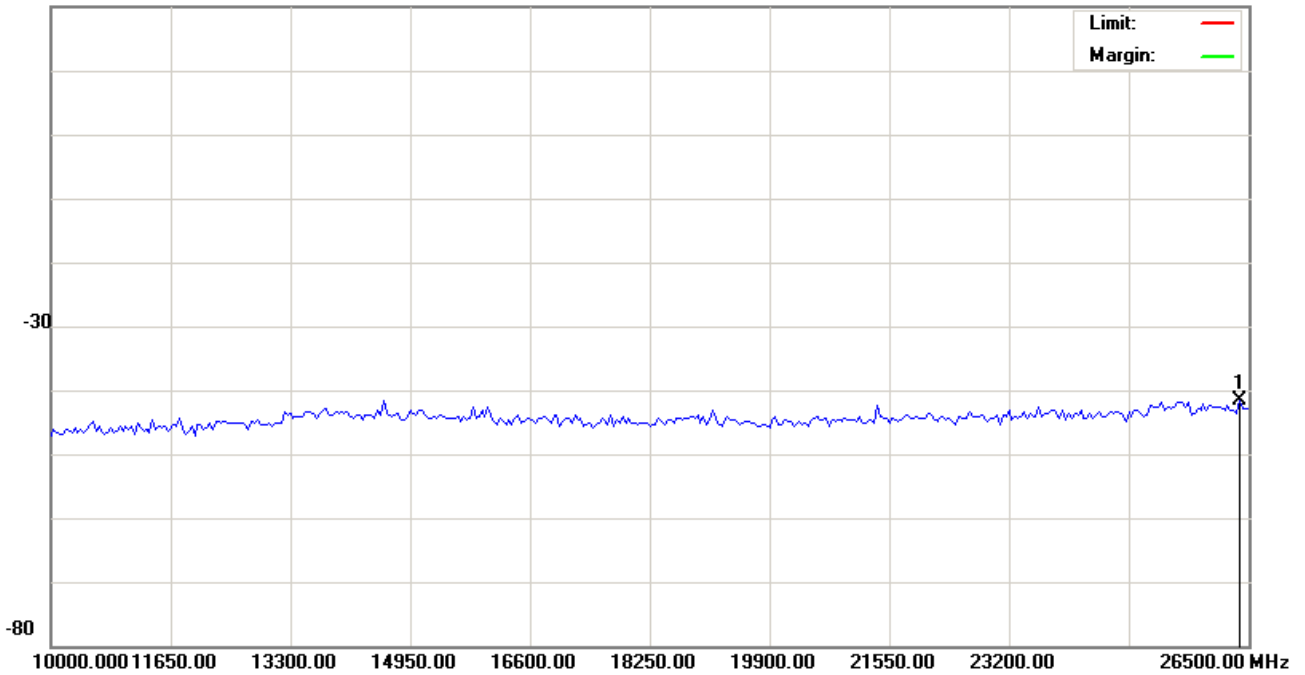
File :colorado 111(20db)

Data :#4

Date: 2008/7/31

Time: 下午 04:58:16

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 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
1	*	26376.25	-42.72	1.11	-41.61			peak		

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

●Reference Only



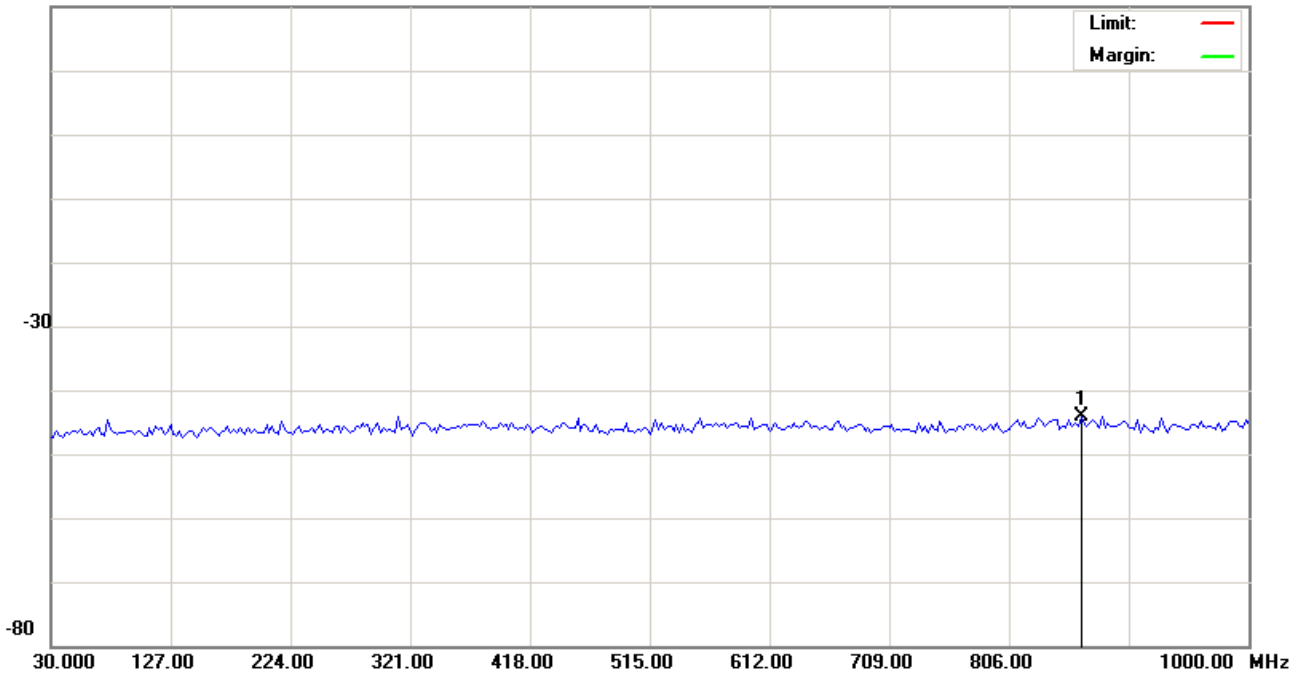
File :colorado 111(20db)

Data :#5

Date: 2008/7/31

Time: 下午 05:00:30

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

Note: CH06(2437)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	864.2000	-45.05	1.00	-44.05			peak		Comment

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

●Reference Only



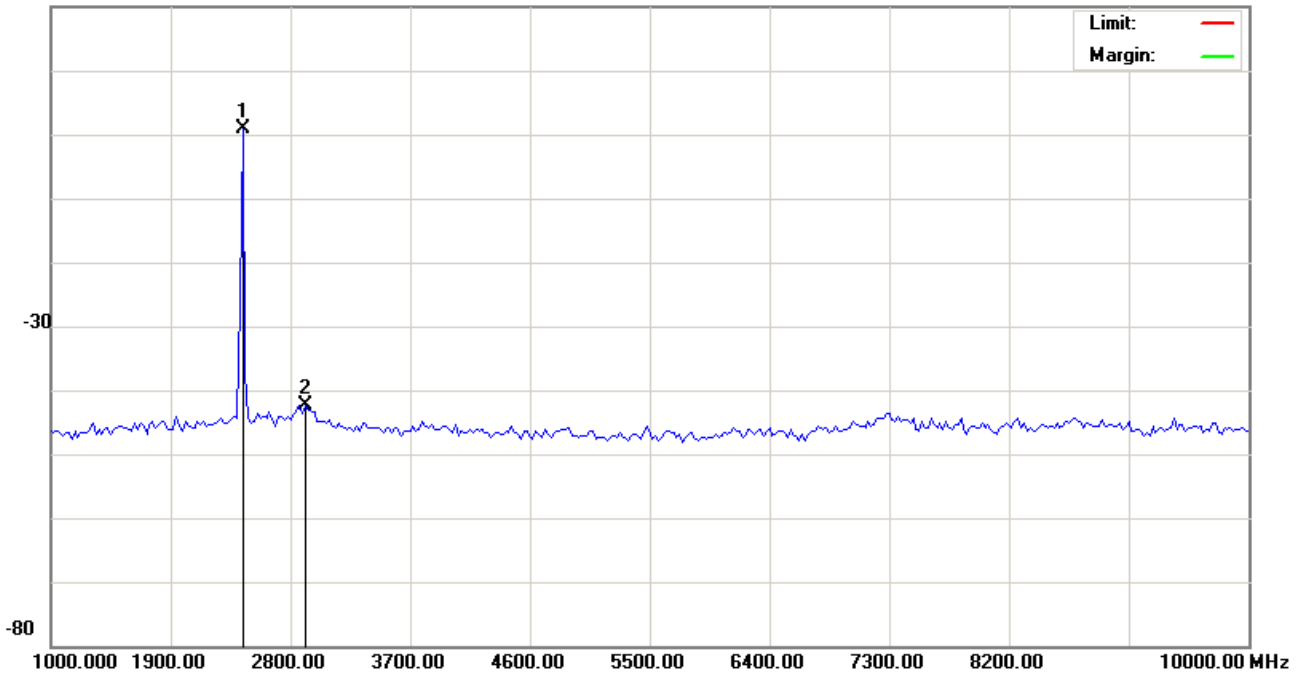
File :colorado 111(20db)

Data :#6

Date: 2008/7/31

Time: 下午 05:00:43

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

Note: CH06(2437)

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2440.000	-0.19	1.01	0.82			peak		Comment
2		2912.500	-43.49	1.01	-42.48			peak		

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

●Reference Only



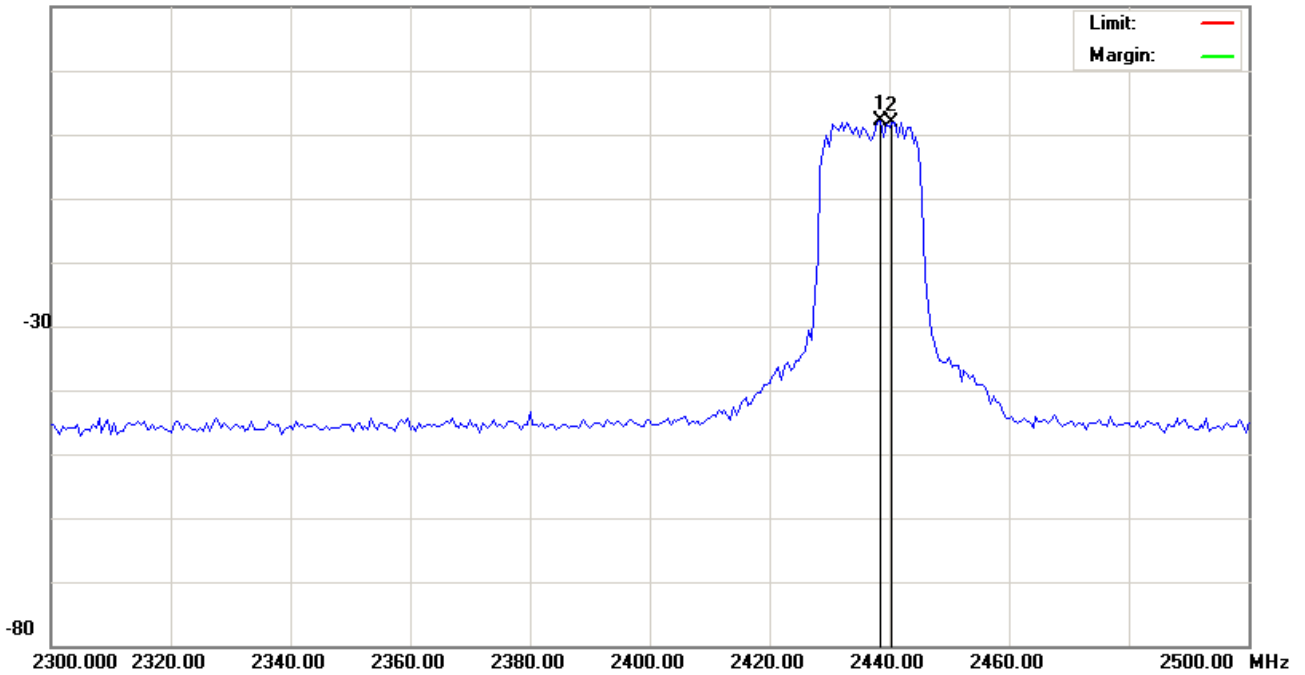
File :colorado 111(20db)

Data :#7

Date: 2008/7/31

Time: 下午 05:00:56

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

Note: CH06(2437)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2438.500	1.07	1.01	2.08			peak		
2		2440.500	0.99	1.01	2.00			peak		

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

●Reference Only



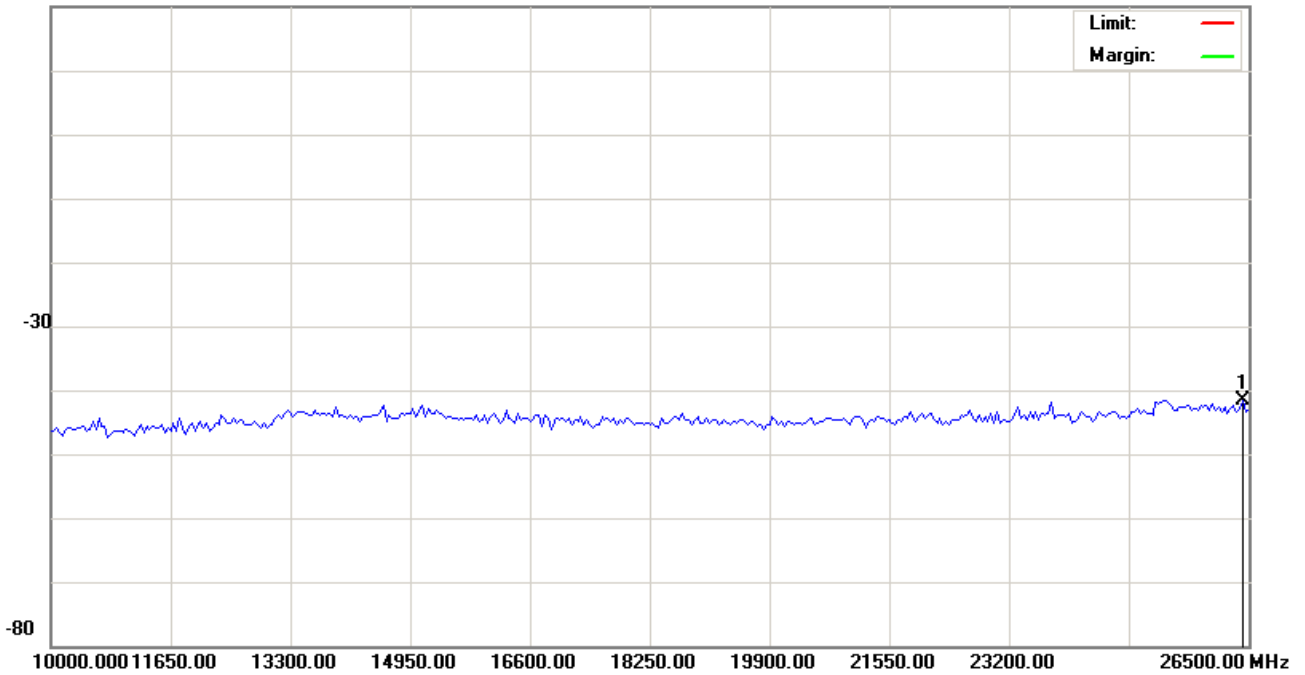
File :colorado 111(20db)

Data :#8

Date: 2008/7/31

Time: 下午 05:01:09

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

Note: CH06(2437)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	26417.50	-42.79	1.11	-41.68			peak		

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

●Reference Only



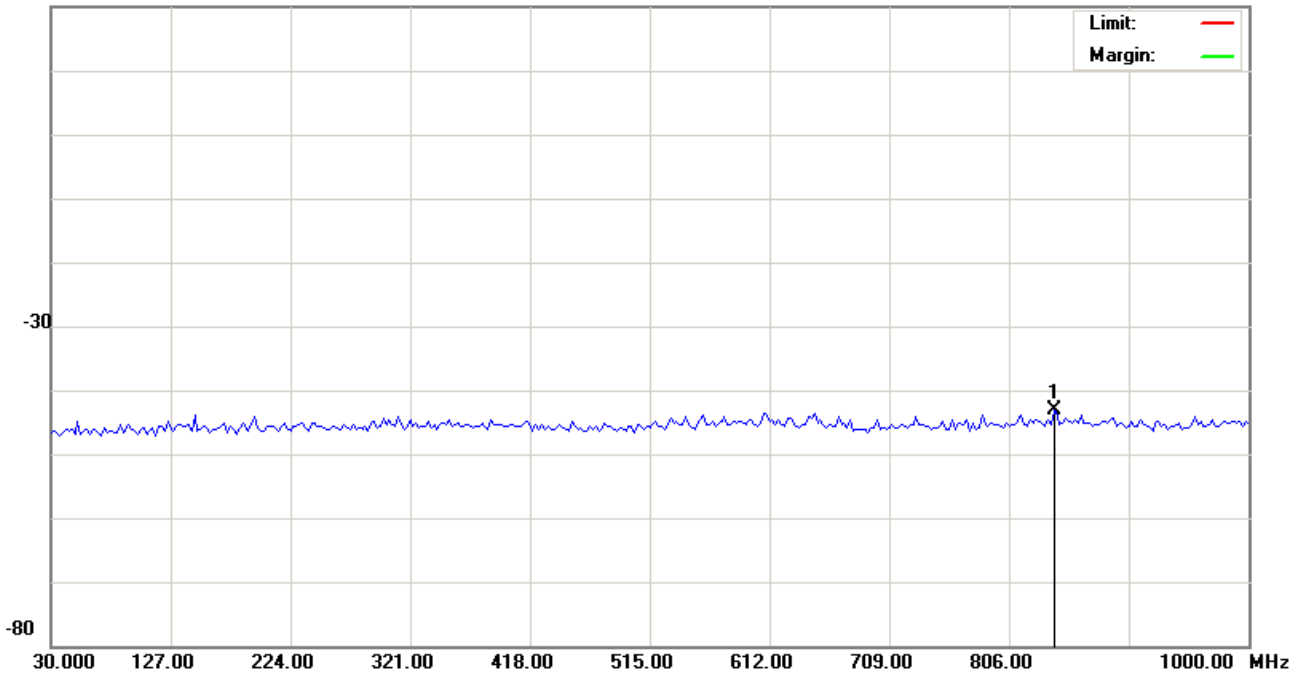
File :colorado 111(20db)

Data :#9

Date: 2008/7/31

Time: 下午 05:02:56

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

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
1	*	842.3750	-44.18	1.00	-43.18			peak		

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

●Reference Only



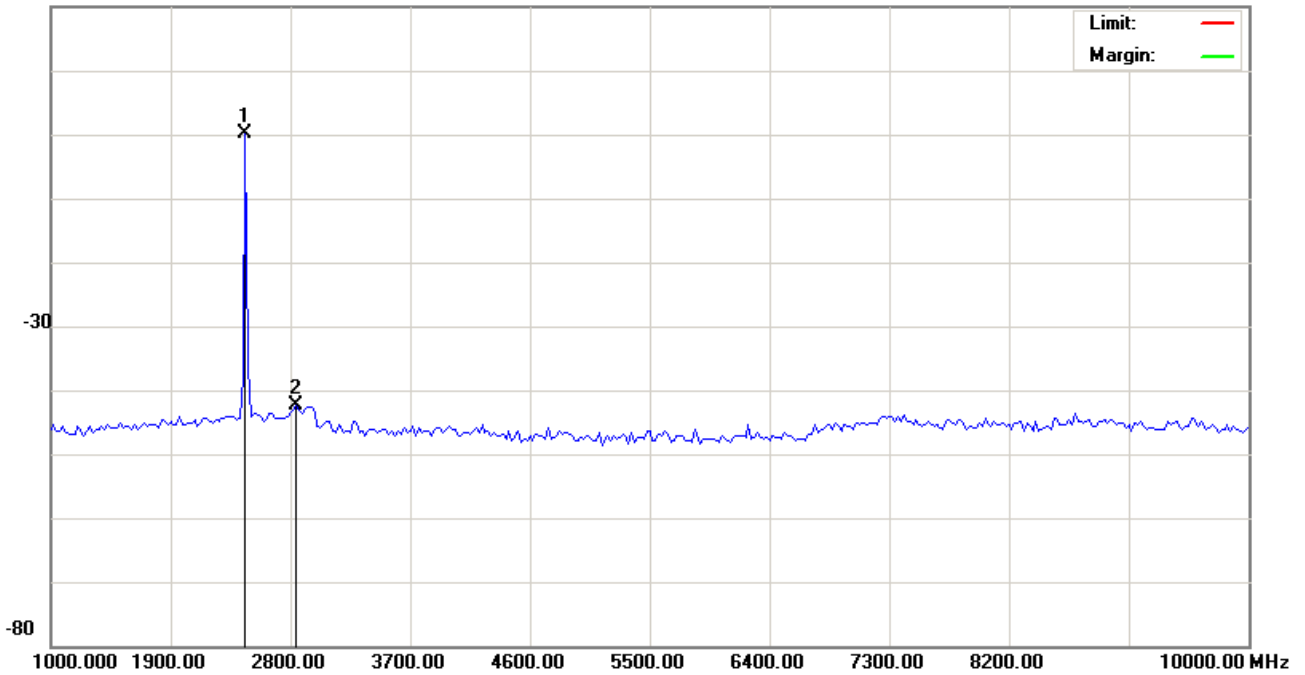
File :colorado 111(20db)

Data :#10

Date: 2008/7/31

Time: 下午 05:03:09

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

Note: CH11(2462)

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	2462.500	-0.82	1.01	0.19			peak		Comment
2		2845.000	-43.34	1.01	-42.33			peak		

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

●Reference Only



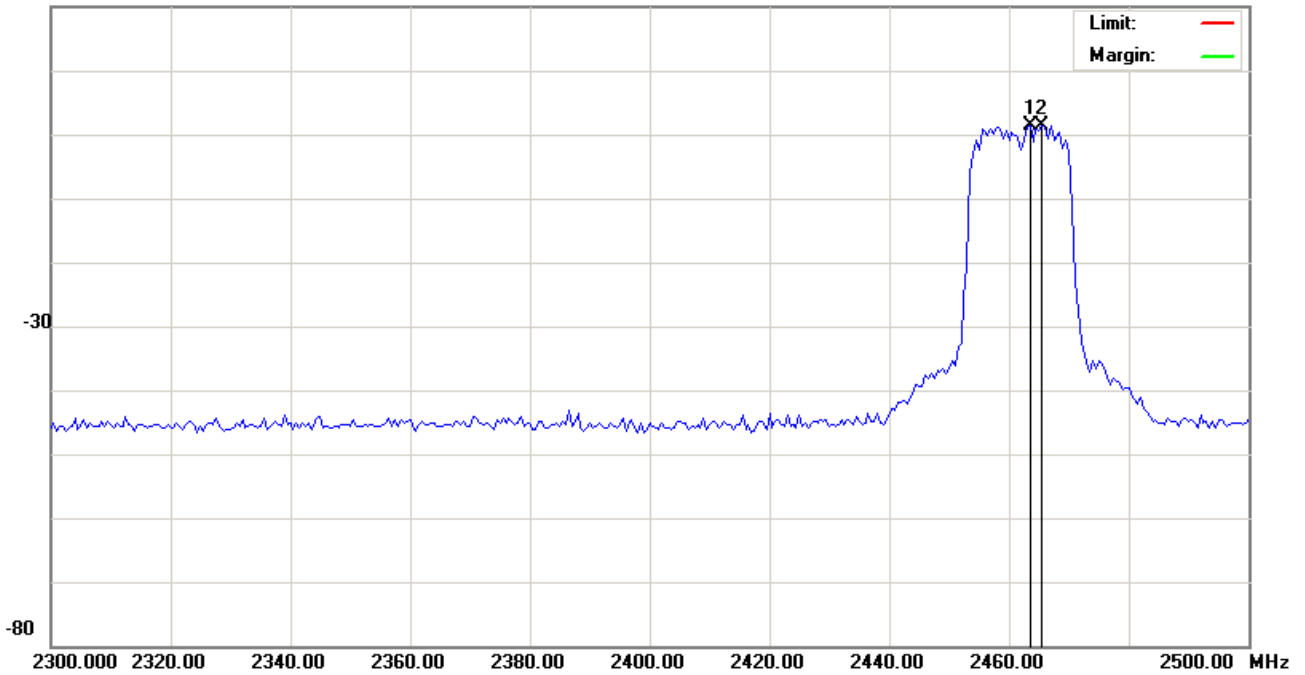
File :colorado 111(20db)

Data :#11

Date: 2008/7/31

Time: 下午 05:03:22

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

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
1	*	2463.500	0.40	1.01	1.41			peak		
2		2465.500	0.35	1.01	1.36			peak		

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

●Reference Only



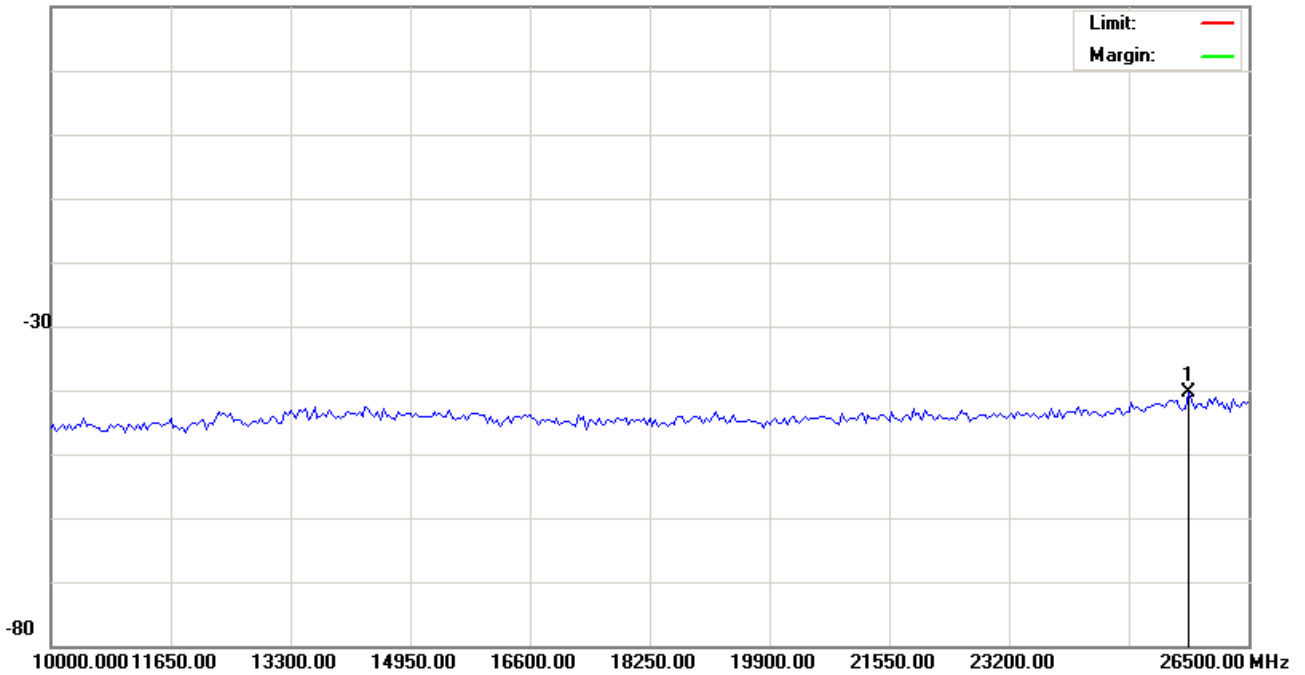
File :colorado 111(20db)

Data :#12

Date: 2008/7/31

Time: 下午 05:03:36

20.0 dBm



Site

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT:

Distance:

M/N:

Mode: 11g

Note: CH11(2462)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBm	dB	dBm	dBm	dB	Detector	cm	degree
1	*	25675.00	-41.57	1.11	-40.46			peak		

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

●Reference Only

8. Band Edges Requirements

8.1 Test Condition & Setup:

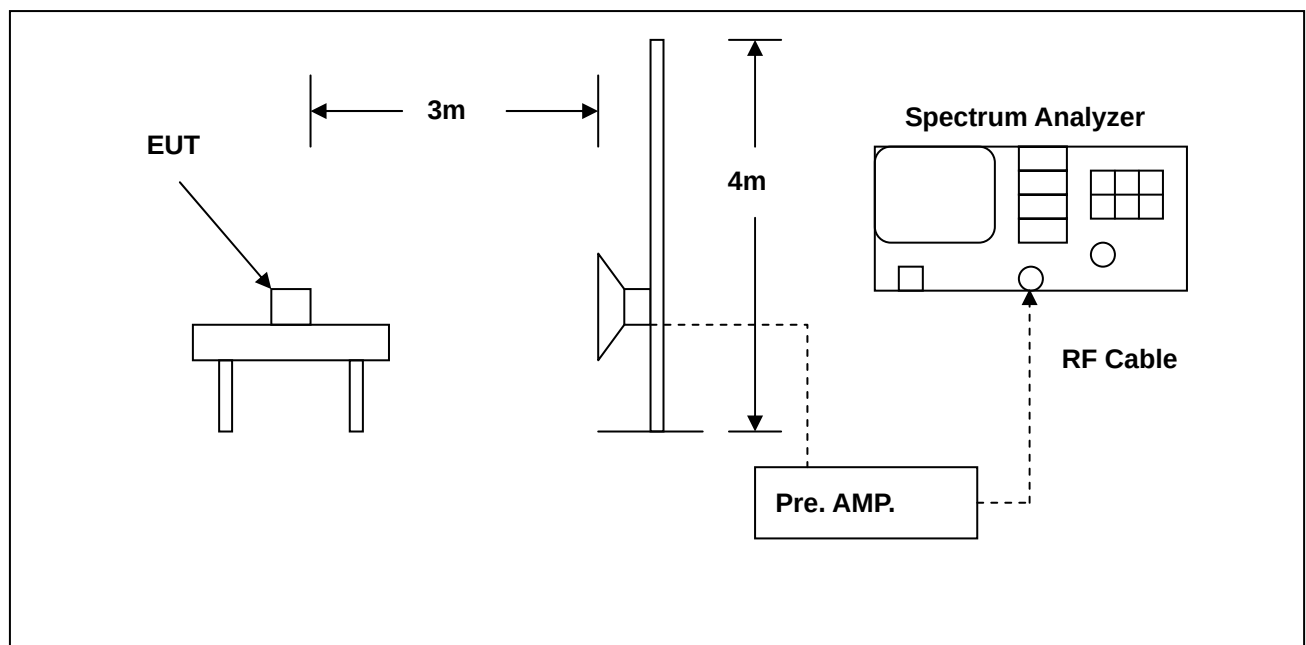
The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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 Instruments Configuration:





8.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4408B	MY45107753	Jun. 05, 2008	Jun. 05, 2009
Pre Amplifier	Agilent	8449B	3008A02237	Jun. 03, 2008	Jun. 03, 2009
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	Jun. 26, 2008	Jun. 26, 2009



8.4 Test Result:

8.4.1 Test Result:

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : 802.11b Low CH & High CH
Test Date : 08/04/2008

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.



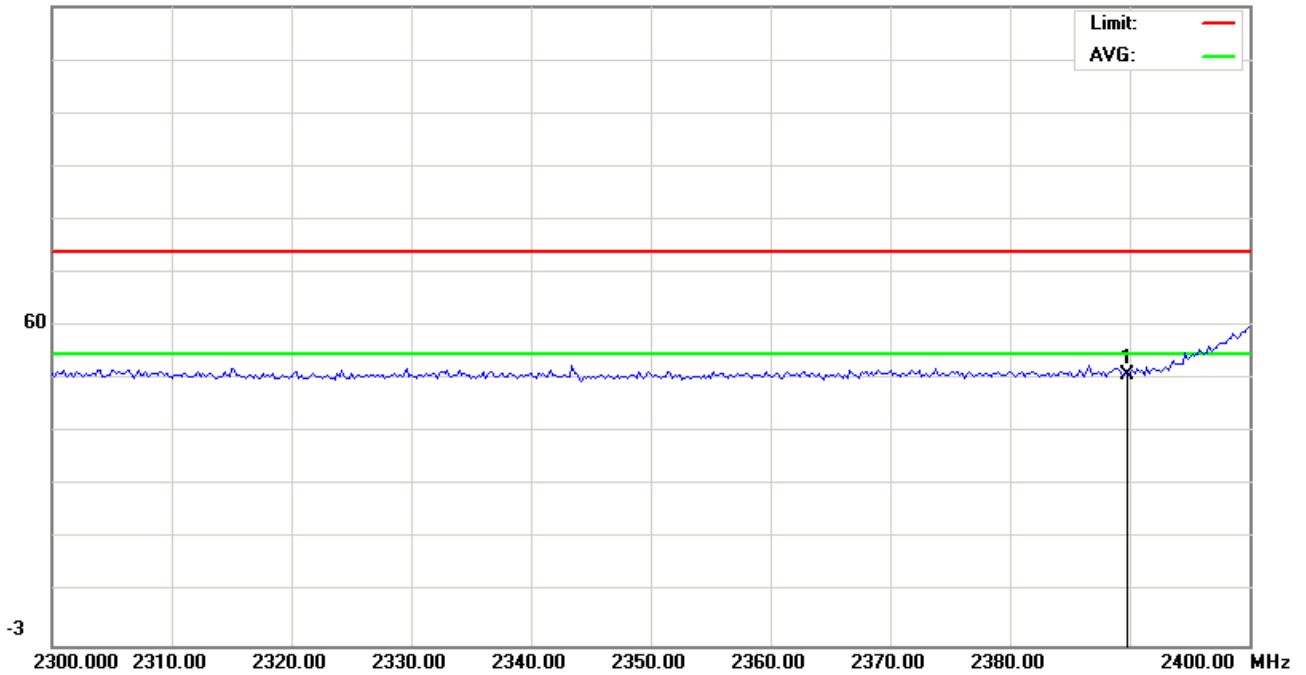
File :colorado 111(BAND EDGE)

Data :#1

Date: 2008-8-4

Time: 下午 09:47:58

122.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: 天線在133.2CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	2389.800	49.82	0.16	49.98	74.00	-24.02	peak		

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

●Reference Only



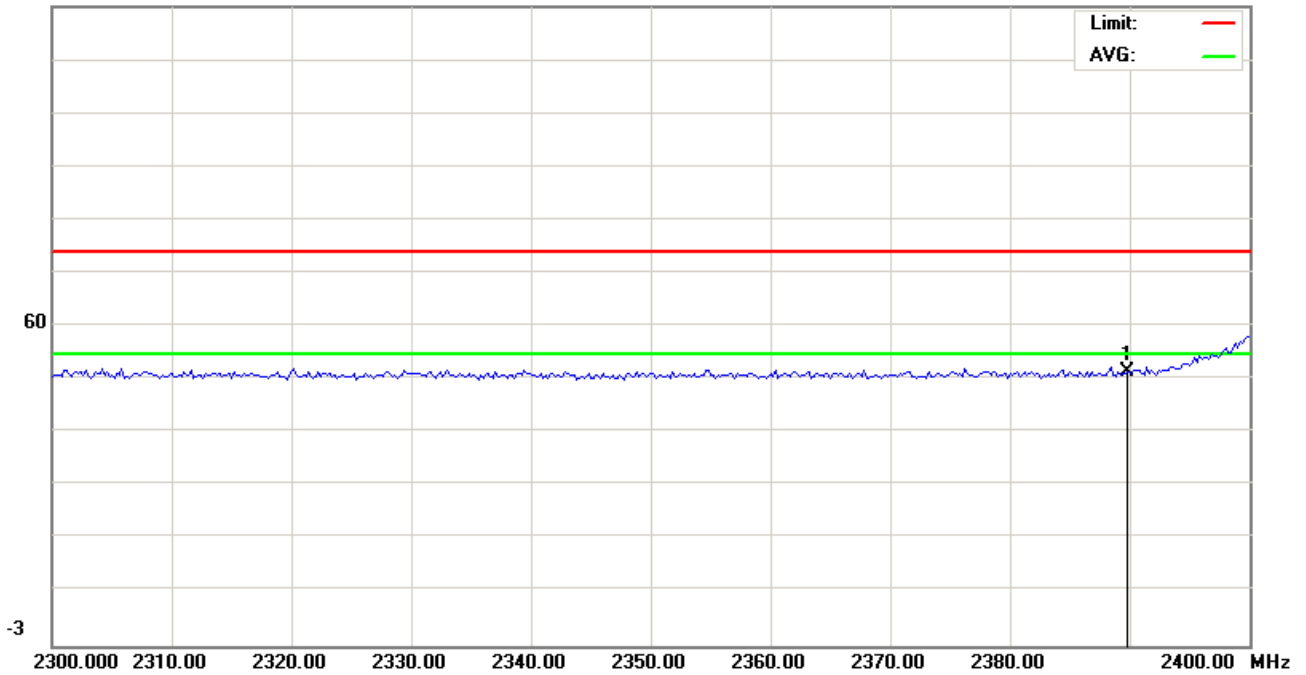
File :colorado 111(BAND EDGE)

Data :#5

Date: 2008-8-4

Time: 下午 10:42:48

122.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: 天線在133.2CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2389.800	50.59	0.16	50.75	74.00	-23.25	peak		

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

●Reference Only



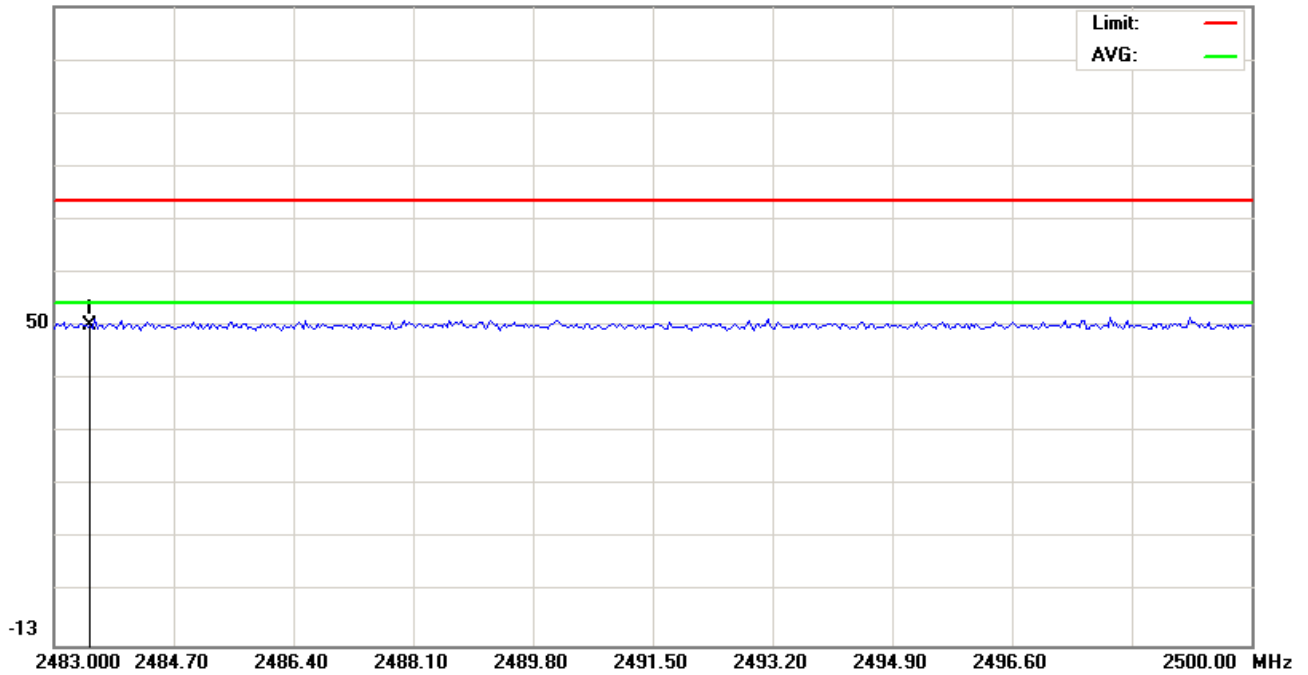
File :colorado 111(BAND EDGE)

Data :#3

Date: 2008-8-4

Time: 下午 10:34:20

112.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: 天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree
1	*	2483.510	49.54	0.25	49.79	74.00	-24.21	peak		

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

●Reference Only



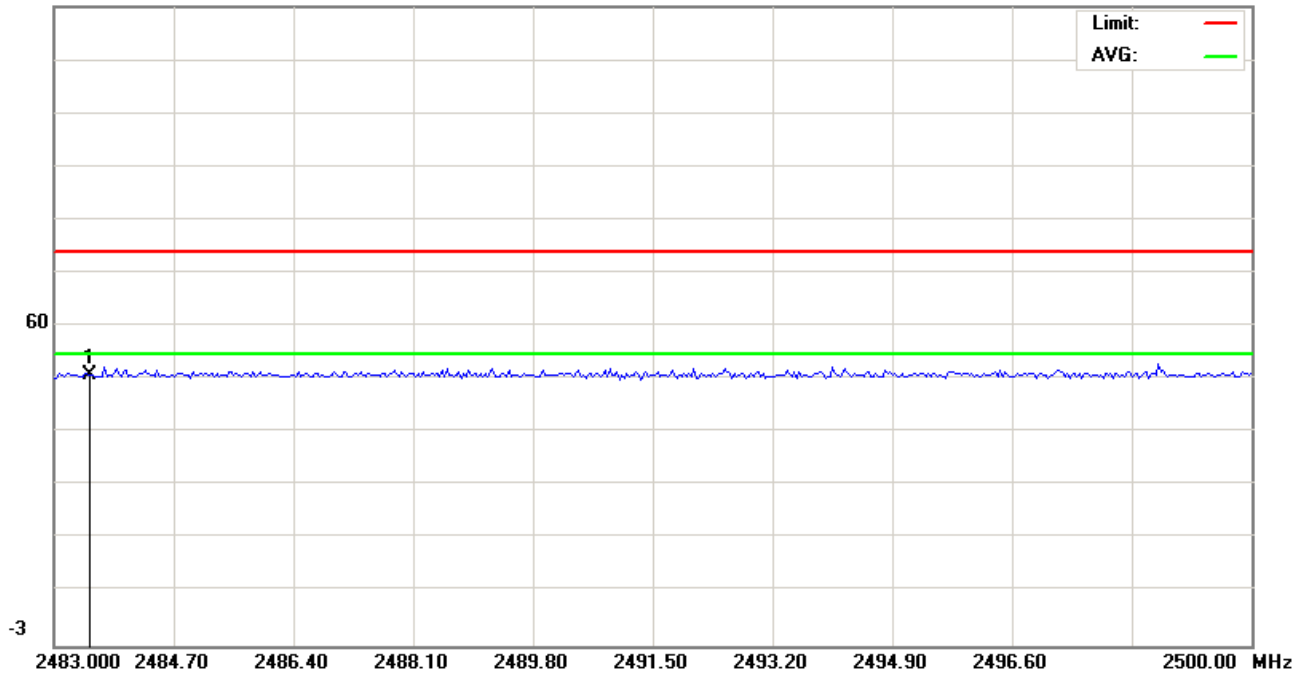
File :colorado 111(BAND EDGE)

Data :#7

Date: 2008-8-4

Time: 下午 11:09:22

122.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11b

Note: 天線在100CM

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1	*	2483.510	49.74	0.25	49.99	74.00	-24.01	peak		

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

●Reference Only



8.4.2 Test Result:

Applicant : Inventec Corporation
Model No : velocity 111
EUT : PDA PHONE
Test Mode : 802.11g Low CH & High CH
Test Date : 08/04/2008

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.



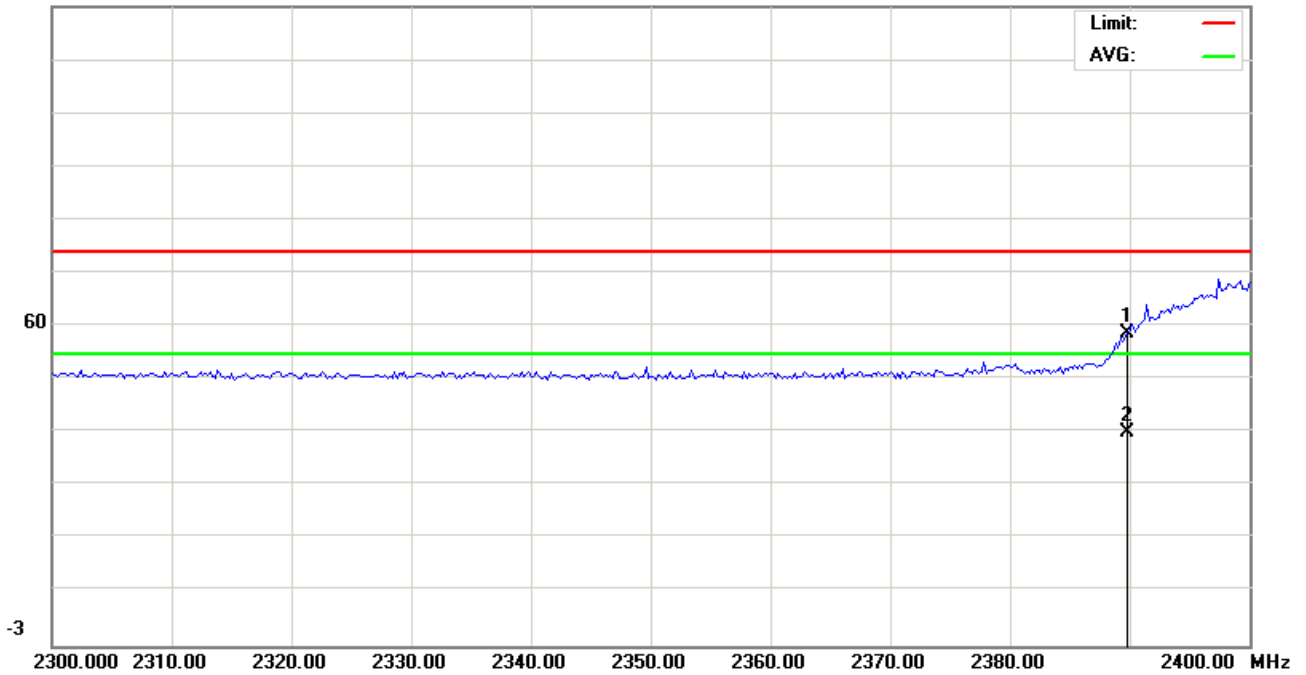
File :colorado 111(BAND EDGE)

Data :#1

Date: 2008-8-4

Time: 下午 10:11:08

122.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: 天線在133.2CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2389.800	57.99	0.16	58.15	74.00	-15.85	peak		
2	*	2389.800	38.53	0.16	38.69	54.00	-15.31	AVG		

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

●Reference Only



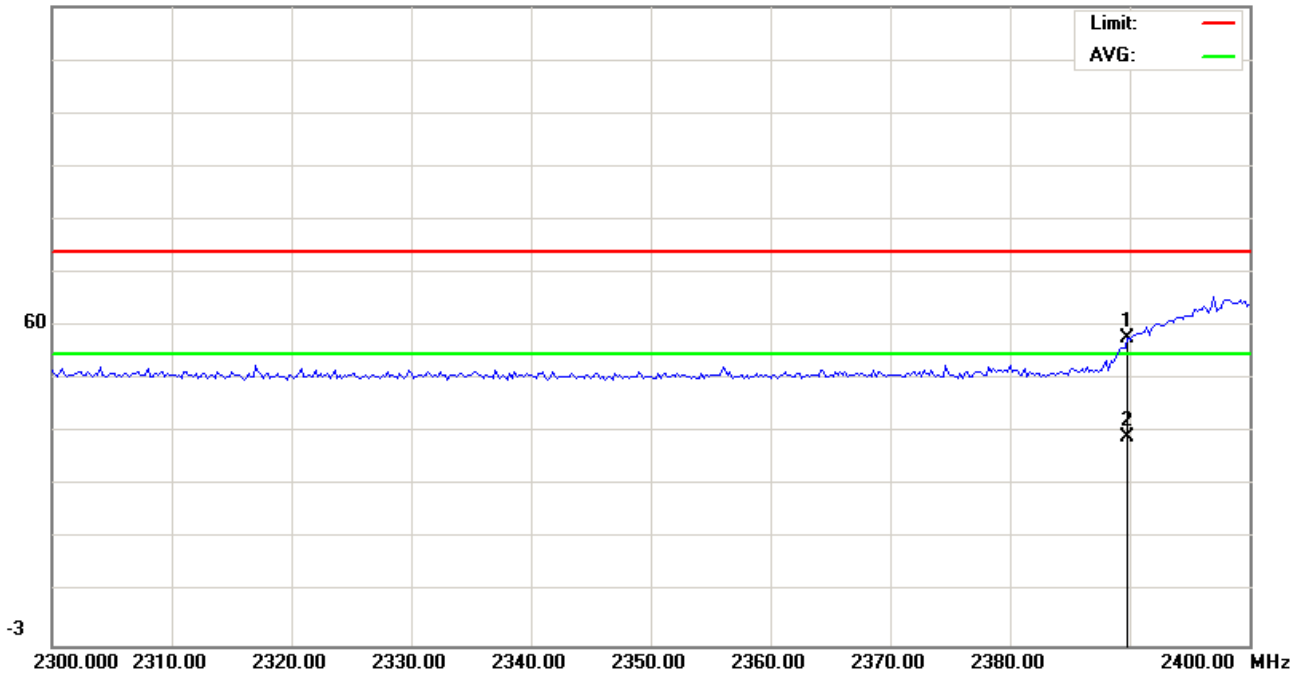
File :colorado 111(BAND EDGE)

Data :#5

Date: 2008-8-4

Time: 下午 10:49:53

122.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: 天線在100CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2389.800	57.01	0.16	57.17	74.00	-16.83	peak		
2	*	2389.800	37.74	0.16	37.90	54.00	-16.10	AVG		

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

●Reference Only



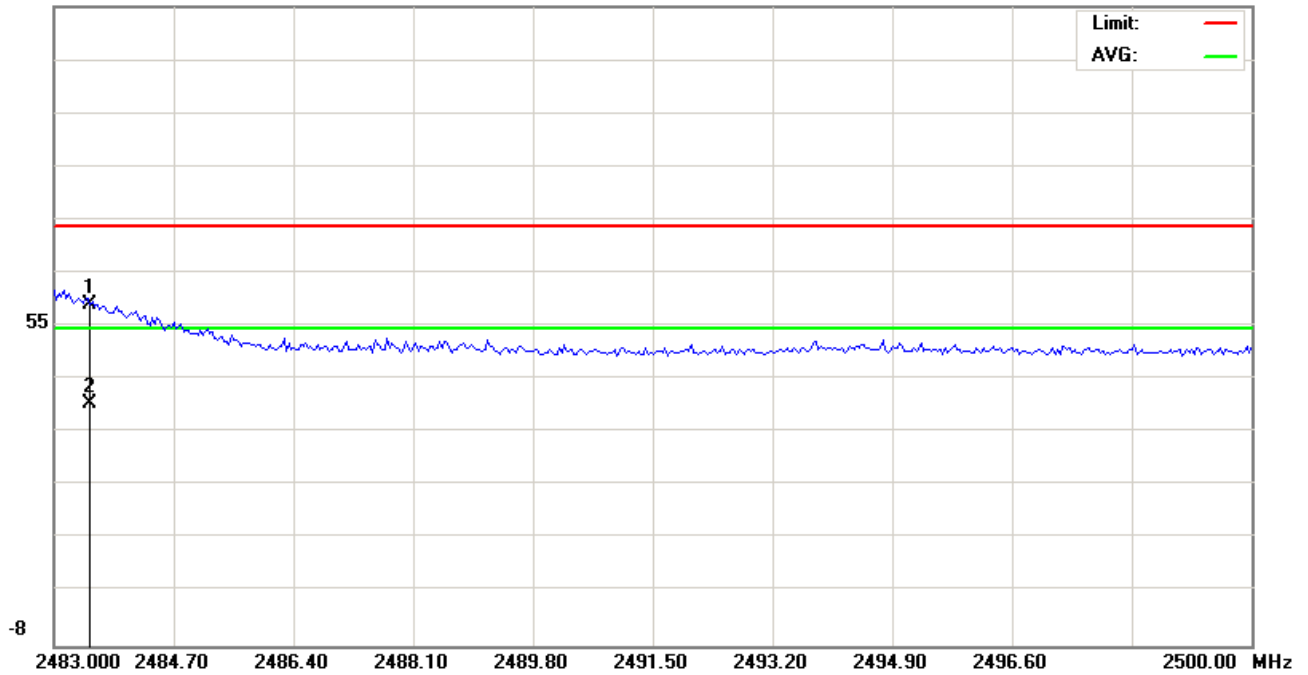
File :colorado 111(BAND EDGE)

Data :#3

Date: 2008-8-4

Time: 下午 10:21:45

117.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: 天線在106.5CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2483.510	58.48	0.25	58.73	74.00	-15.27	peak		
2	*	2483.510	39.00	0.25	39.25	54.00	-14.75	AVG		

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

●Reference Only



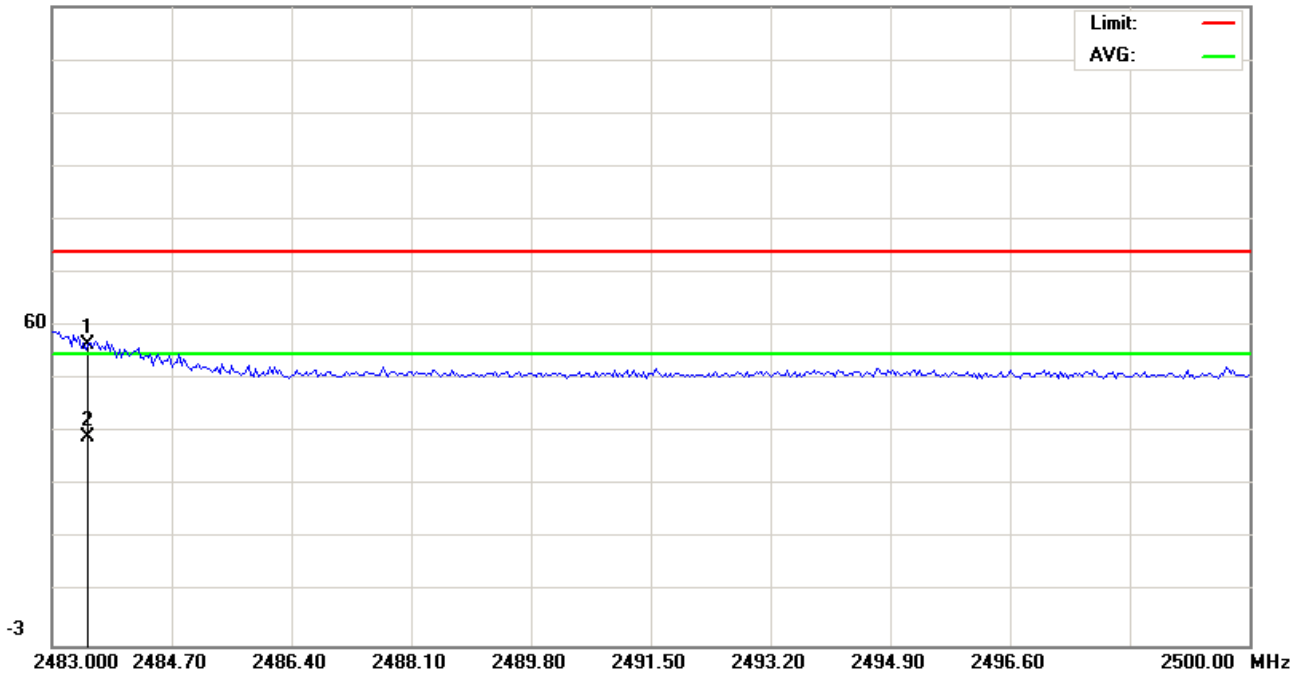
File :colorado 111(BAND EDGE)

Data :#7

Date: 2008-8-4

Time: 下午 10:59:51

122.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: 11g

Note: 天線在100CM

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2483.510	55.76	0.25	56.01	74.00	-17.99	peak		
2	*	2483.510	37.68	0.25	37.93	54.00	-16.07	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.

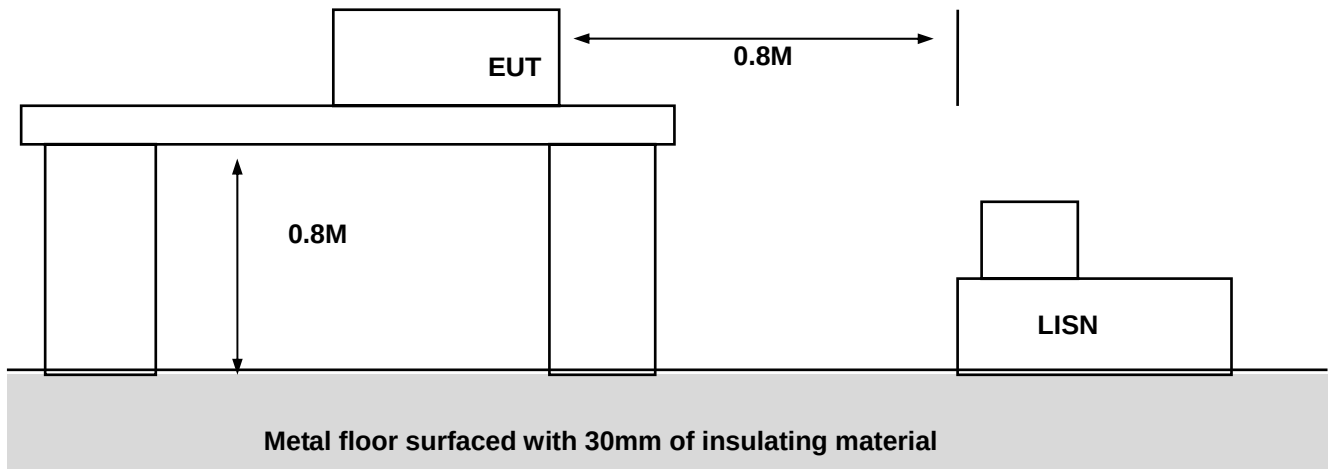
And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.2 Antenna Connector Construction

The antenna used in this product is external Whip antenna. And the maximum Gain of this antenna is only **1.71** dB.

Appendix A - EUT Test SETUP

MEASUREMENT OF POWER LINE CONDUCTED RFI VOLTAGE



MEASUREMENT OF RADIATED EMISSION

