



A Test Lab Techno Corp.

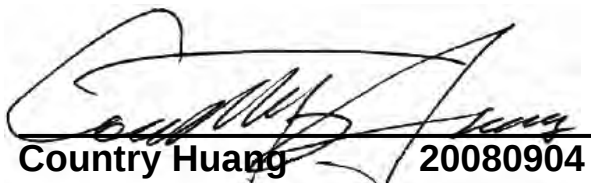
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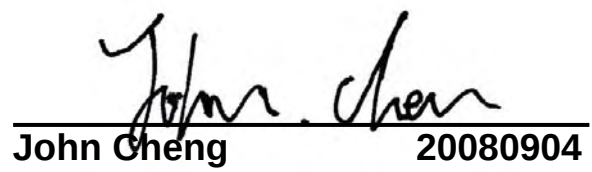
P15B Measurement Report



Report No.	: 0808FE12
Applicant	: Inventec Corporation
Trade Mark	: velocitymobile
Product Model	: velocity 111
Product Type	: PDA PHONE
FCC ID	: DGIBC8121AABAB0
Dates of Test	: Jul. 21 ~ Aug. 04, 2008
Test Specification	: Part 15 Subpart B
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 20080904
Measurement Center Manager


John Cheng 20080904
Testing Engineer



Declaration of Conformity

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 B (15.107 & 15.109).

EUT : PDA PHONE

Applicant : Inventec Corporation

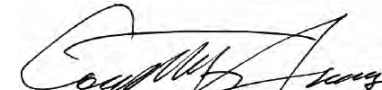
Inventec Building, 66 Hou-Kang Street, Shih-Lin District,
Taipei 11170, Taiwan

Trade Mark : velocitymobile

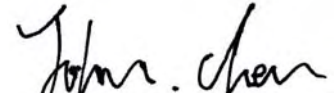
Model No : velocity 111

FCC ID : DGIBC8121AABAB0

Approved by :


Country Huang 2008/09/04

Prepared by :


John Cheng 2008/09/04

A Test Lab Techno Corp.

*No.140-1, Chang-an St., Bade City, Tao-Yuan County 334, Taiwan (R.O.C.)
Tel : 03-2710188 / Fax : 03-2710190*



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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

Product Model : velocity 111
Product Type : PDA PHONE
FCC ID : DGIBC8121AABAB0
Input Rating : 5Vdc / 1 A (AC Adapter)
Frequency of Channel : See Table 1
Type of Modulation : Direct Sequence Spread Spectrum
Type of Antenna : PIFA ChipType
Antenna Gain : 1.71 dBi
Software : 1.0.0

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.

CH No.	Freq.	CH No.	Freq.	CH No.	Freq.	CH No.	Freq.
0	2402.00	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	78	2480.00
19	2421.00	39	2441.00	59	2461.00		

Table 1. Bluetooth 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 certification in accordance with Part 2 Subpart J and Part 15 Subpart A and B of the Commission's and Regulations.

1.3 Summary of Tests

47 CFR Part 15 Subpart B			
Reference	Test	Results	Note
15.107	Conducted Emission Limits	PASS	
15.209	Radiated Emissions Limits	PASS	



1.4 Description of Support Equipment

Computer	: DELL
Model No.	: PP20L
Serial No.	: UF230 A03
FCC ID	: E2KWM3945ABG
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

AC Adapter Link

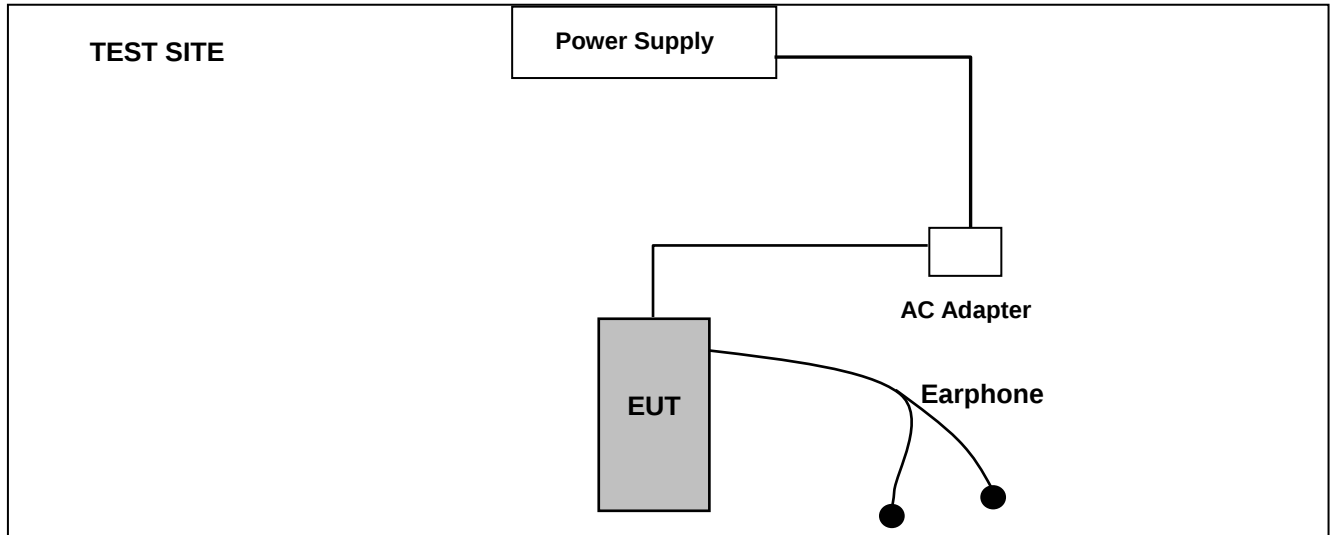


Figure 1. Configuration of System Under Test for AC Adapter Link

During EMI testing the EUT (PDA PHONE)'s Power port was connected to AC Adapter. EUT (PDA PHONE)'s Earphone connected to earphone.

PC USB Link

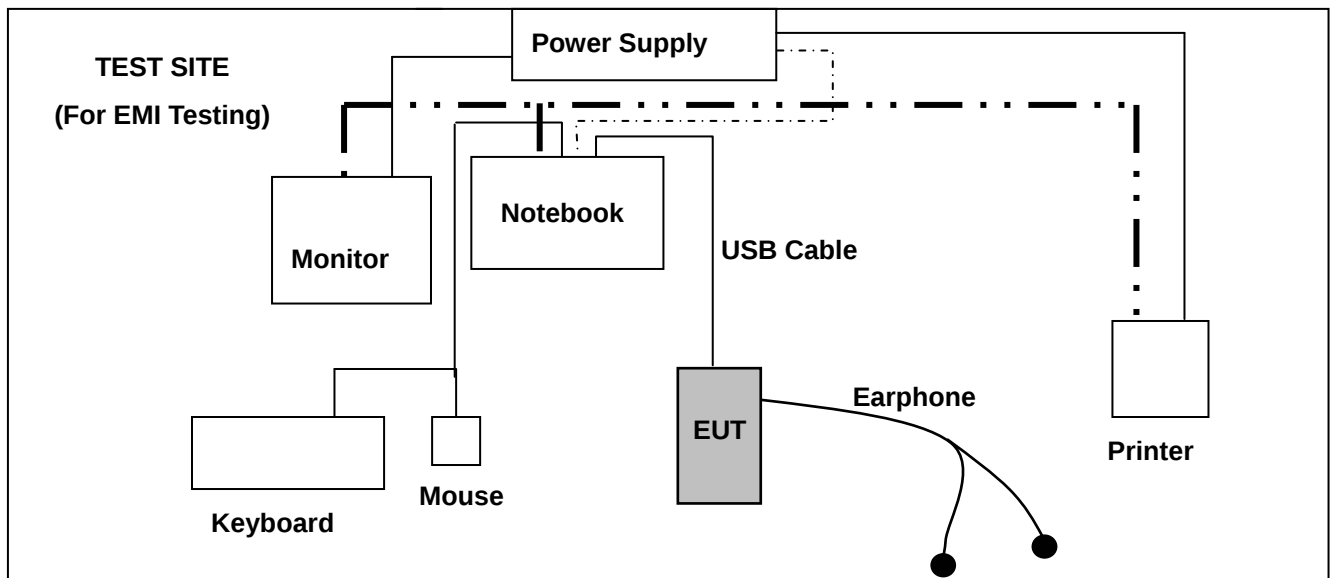


Figure 2. Configuration of System Under Test for PC USB Link

During EMI testing the EUT (PDA PHONE)'s USB port connected to the USB port of Notebook & Earphone port connected to earphone. A mouse was connected to the mouse port of Notebook. And a keyboard was connected to the mouse port of Notebook. And a printer was connected to the parallel port.



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.



2. Conducted Emissions Requirements

2.1 General & Setup:

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	Jun. 05, 2008	Jun. 05, 2009
LISN	EMCO	3816/2 SH	00060110	Jun. 04, 2008	Jun. 04, 2009
LISN	EMCO	3816/2 SH	00060111	Jun. 30, 2008	Jun. 30, 2009
Transient Limiter	ELECTRO-METRICS	EM-7600	777	Jun. 26, 2008	Jun. 26, 2009

2.3 Test Configuration:

AC Adapter Mode



Figure 3. Front View of the Test Configuration



Figure 4. Rear View of the Test Configuration

PC USB Link Mode



Figure 5. Front View of the Test Configuration



Figure 6. 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 B)

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 _ Stand by
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.



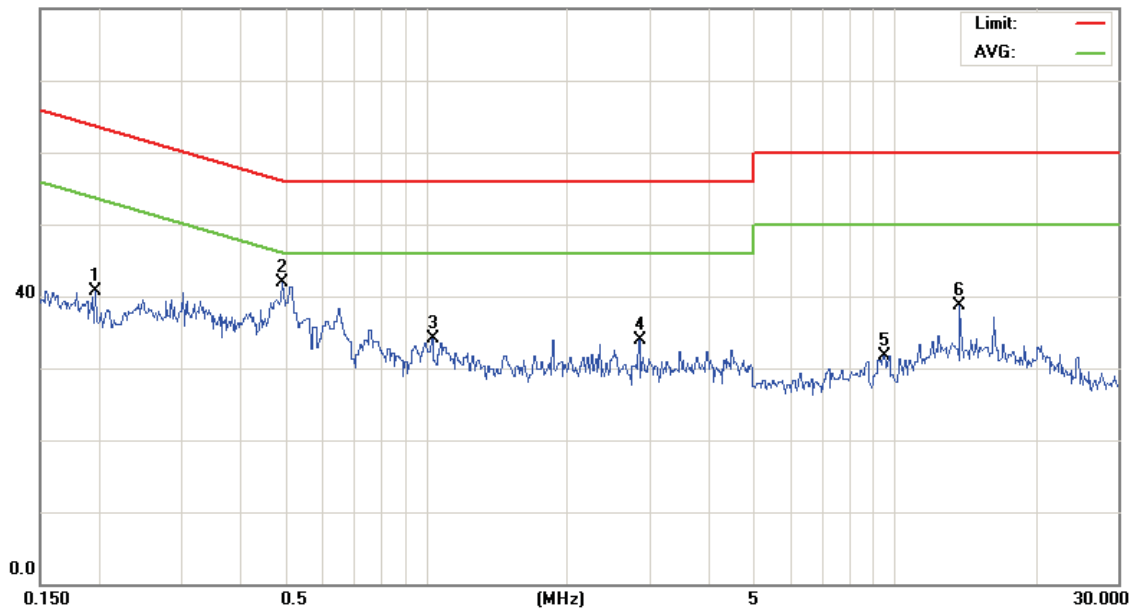
File :colorado 111(IDLE)

Data :#1

Date: 2008/8/4

Time: 下午 07:07:02

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: IDLE

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1962	31.00	9.74	40.74	63.77	-23.03	peak	
2	*	0.4915	32.06	9.78	41.84	56.14	-14.30	peak	
3		1.0310	24.24	9.80	34.04	56.00	-21.96	peak	
4		2.8400	24.07	9.91	33.98	56.00	-22.02	peak	
5		9.5000	21.64	10.08	31.72	60.00	-28.28	peak	
6		13.7500	28.40	10.21	38.61	60.00	-21.39	peak	

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

●Reference Only



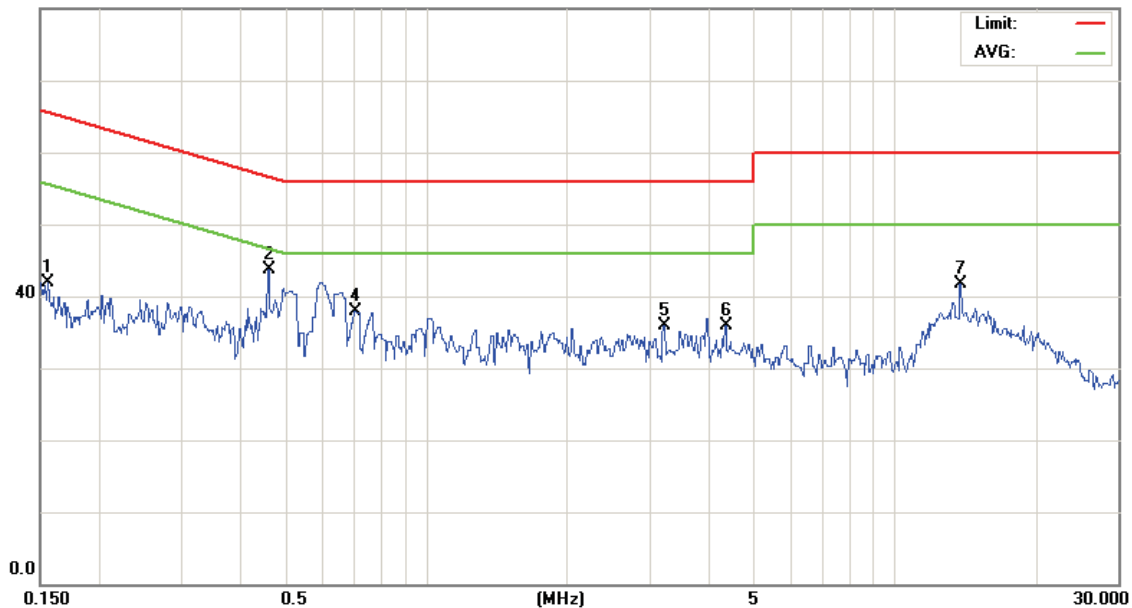
File :colorado 111(IDLE)

Data :#2

Date: 2008-8-4

Time: 下午 07:46:56

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: IDLE

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1556	32.10	9.73	41.83	65.69	-23.86	peak	
2	*	0.4594	33.96	9.78	43.74	56.70	-12.96	peak	
3		0.4594	18.22	9.78	28.00	46.70	-18.70	AVG	
4		0.7070	28.05	9.80	37.85	56.00	-18.15	peak	
5		3.2090	25.99	9.91	35.90	56.00	-20.10	peak	
6		4.3520	25.86	10.01	35.87	56.00	-20.13	peak	
7		13.8000	31.51	10.20	41.71	60.00	-18.29	peak	

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

●Reference Only



2.6.2 Conducted Emissions (Subpart B)

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 _Bluetooth 2.0_ Link Mode
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.



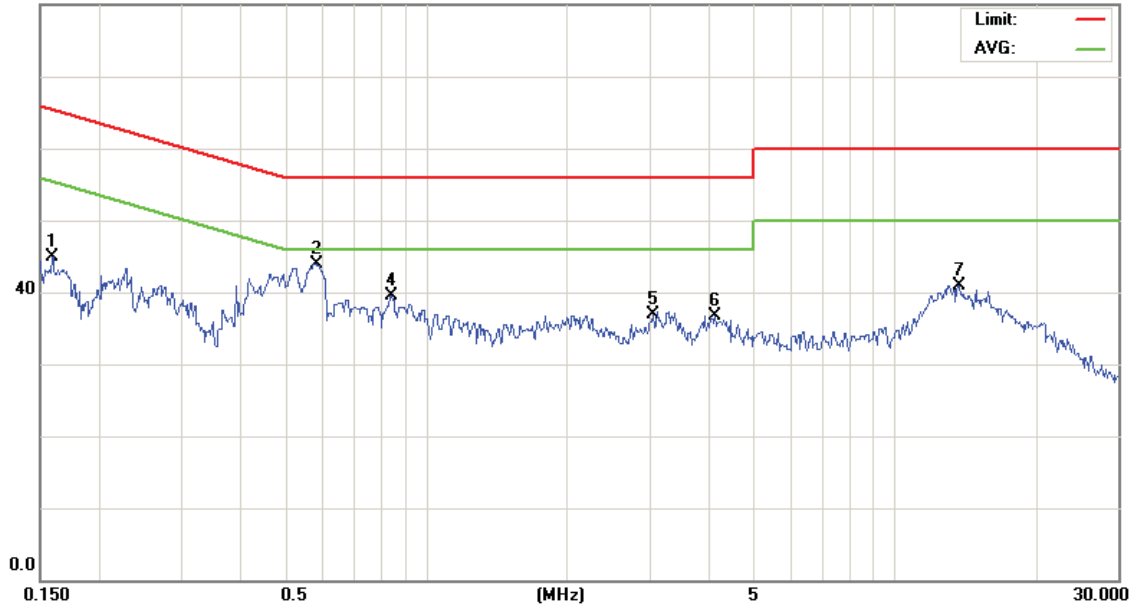
File :colorado 111(BT)

Data :#1

Date: 2008-8-4

Time: 下午 08:02:01

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: BT

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1590	35.19	9.73	44.92	65.51	-20.59	peak	
2	*	0.5810	34.02	9.79	43.81	56.00	-12.19	peak	
3		0.5810	22.71	9.79	32.50	46.00	-13.50	AVG	
4		0.8420	29.73	9.80	39.53	56.00	-16.47	peak	
5		3.0469	27.09	9.89	36.98	56.00	-19.02	peak	
6		4.1270	26.73	9.97	36.70	56.00	-19.30	peak	
7		13.6500	30.68	10.21	40.89	60.00	-19.11	peak	

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

●Reference Only



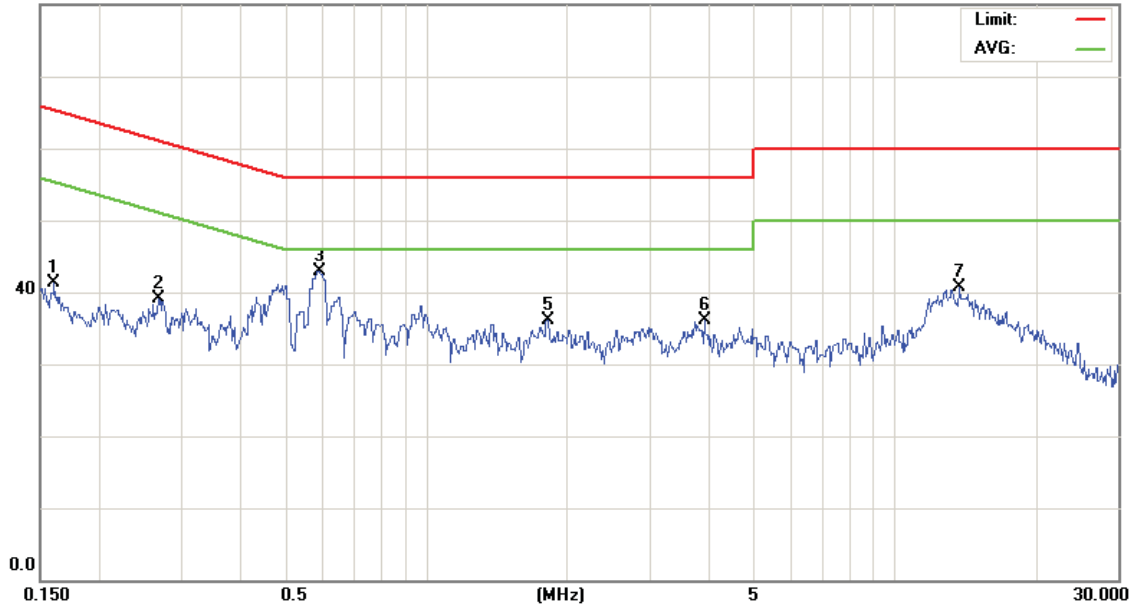
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Data :#2

Date: 2008-8-4

Time: 下午 08:09:39

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: BT

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1604	31.48	9.73	41.21	65.44	-24.23	peak	
2		0.2683	29.33	9.76	39.09	61.17	-22.08	peak	
3	*	0.5899	33.14	9.79	42.93	56.00	-13.07	peak	
4		0.5899	17.21	9.79	27.00	46.00	-19.00	AVG	
5		1.8140	26.32	9.82	36.14	56.00	-19.86	peak	
6		3.9200	26.08	9.97	36.05	56.00	-19.95	peak	
7		13.7500	30.48	10.21	40.69	60.00	-19.31	peak	

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

●Reference Only



2.6.3 Conducted Emissions (Subpart B)

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_ Bluetooth EDR _ Link Mode
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.



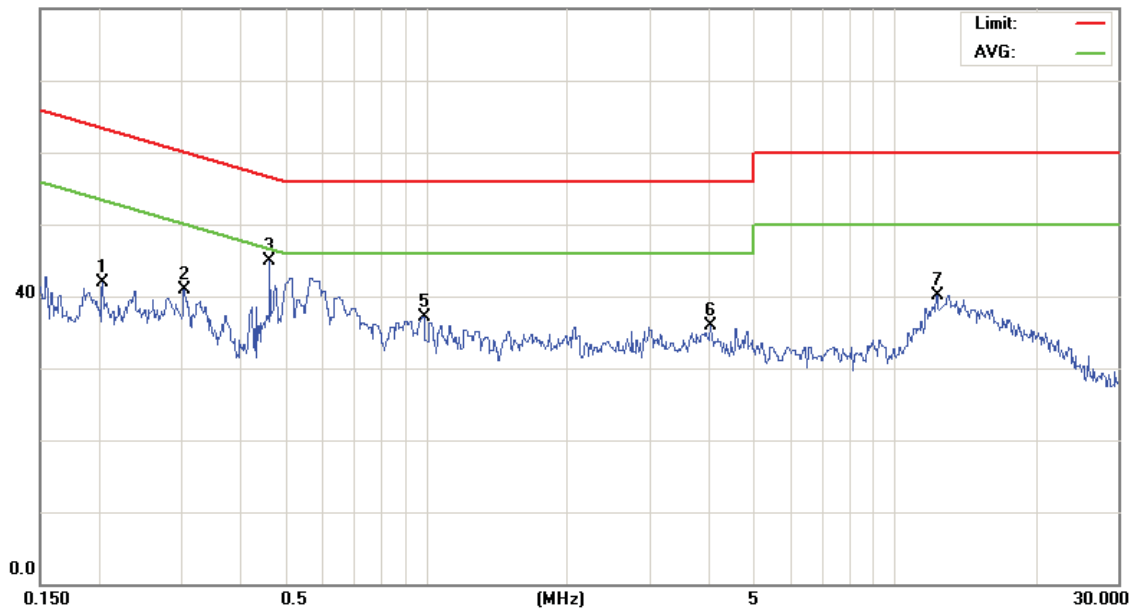
File :colorado 111(BT+EDR)

Data :#1

Date: 2008-8-4

Time: 下午 08:22:04

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: BT+EDR

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2039	32.15	9.74	41.89	63.45	-21.56	peak	
2		0.3040	31.13	9.77	40.90	60.13	-19.23	peak	
3	*	0.4622	35.17	9.78	44.95	56.65	-11.70	peak	
4		0.4622	18.72	9.78	28.50	46.65	-18.15	AVG	
5		0.9860	27.38	9.81	37.19	56.00	-18.81	peak	
6		4.0460	25.89	9.96	35.85	56.00	-20.15	peak	
7		12.3000	29.98	10.15	40.13	60.00	-19.87	peak	

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

●Reference Only



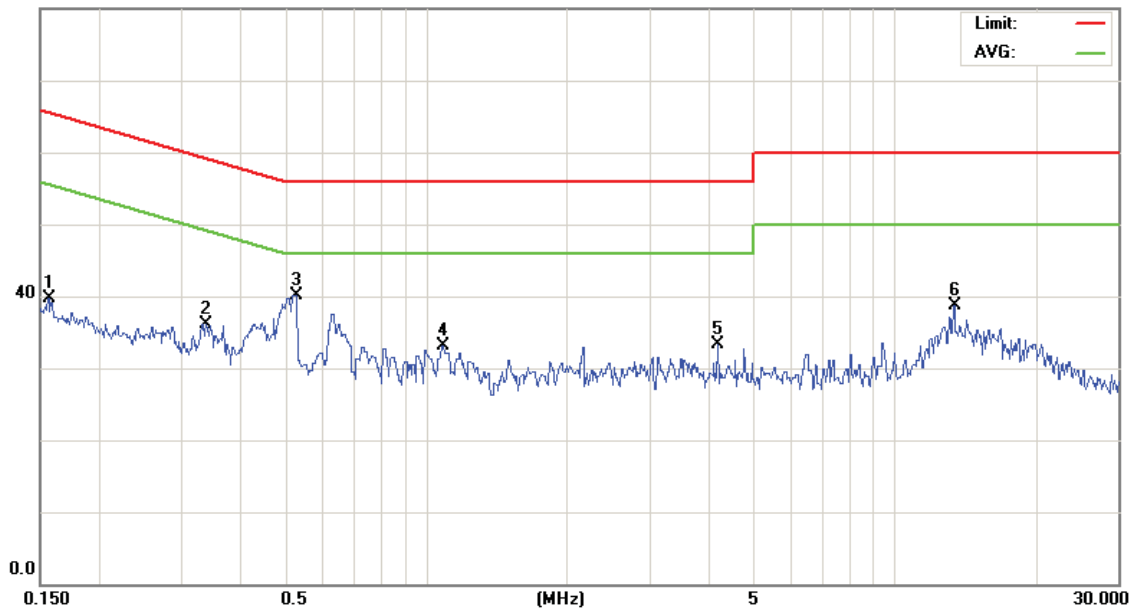
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Data :#2

Date: 2008-8-4

Time: 下午 08:28:21

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: BT+EDR

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1563	29.99	9.73	39.72	65.65	-25.93	peak	
2		0.3390	26.39	9.78	36.17	59.23	-23.06	peak	
3	*	0.5270	30.38	9.79	40.17	56.00	-15.83	peak	
4		1.0850	23.23	9.80	33.03	56.00	-22.97	peak	
5		4.1810	23.31	9.98	33.29	56.00	-22.71	peak	
6		13.3500	28.45	10.20	38.65	60.00	-21.35	peak	

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

●Reference Only



2.6.4 Conducted Emissions (Subpart B)

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 : PC USB Link _ Stand by
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.



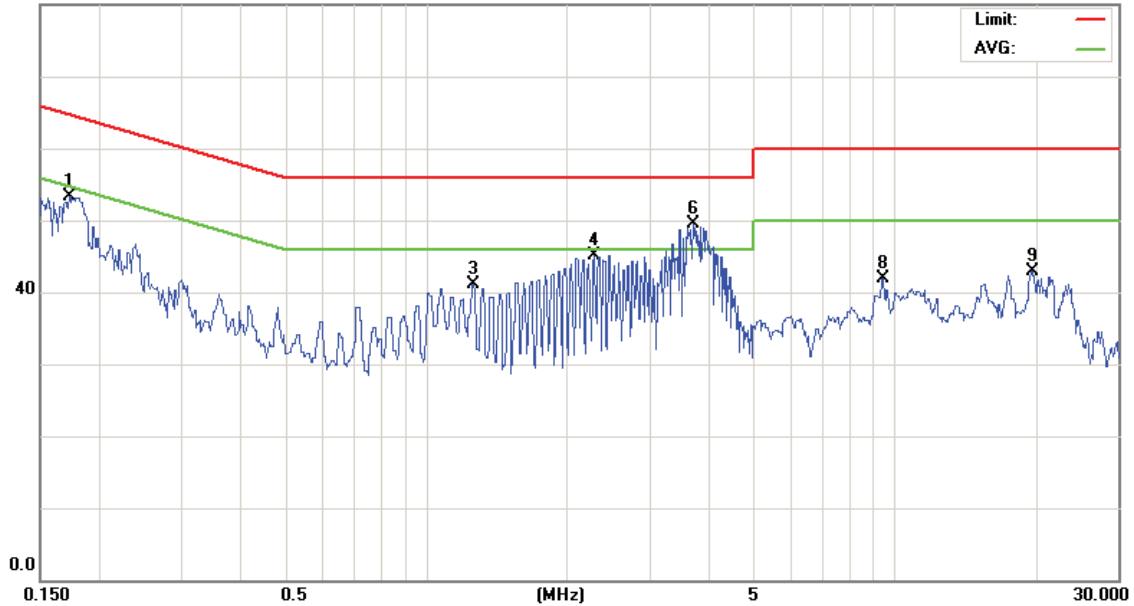
File :colorado 111(PC)IDEL

Data :#1

Date: 2008/8/4

Time: 下午 12:19:22

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: IDEL

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1731	43.60	9.73	53.33	64.81	-11.48	peak	
2		0.1731	29.84	9.73	39.57	54.81	-15.24	AVG	
3		1.2559	31.21	9.81	41.02	56.00	-14.98	peak	
4		2.2818	35.18	9.87	45.05	56.00	-10.95	peak	
5		2.2818	24.32	9.87	34.19	46.00	-11.81	AVG	
6	*	3.7128	39.52	9.94	49.46	56.00	-6.54	peak	
7		3.7128	23.18	9.94	33.12	46.00	-12.88	AVG	
8		9.4500	31.90	10.08	41.98	60.00	-18.02	peak	
9		19.5500	32.61	10.28	42.89	60.00	-17.11	peak	

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

●Reference Only



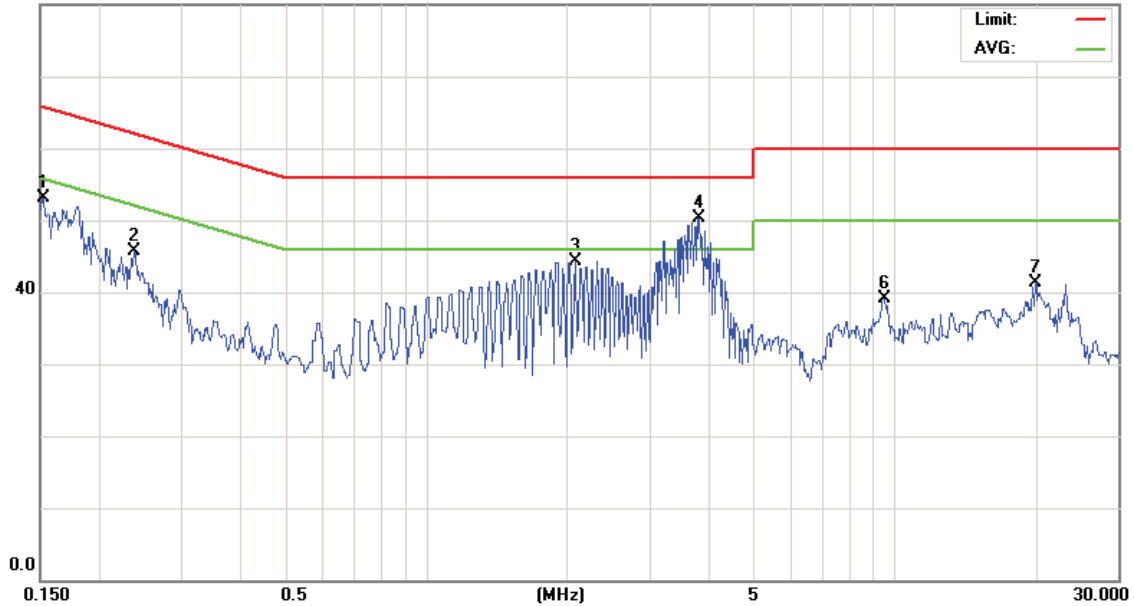
File :colorado 111(PC)IDEL

Data :#2

Date: 2008/8/4

Time: 下午 12:23:31

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: IDEL

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1521	43.45	9.73	53.18	65.88	-12.70	peak	
2		0.2374	35.95	9.75	45.70	62.18	-16.48	peak	
3		2.0748	34.36	9.86	44.22	56.00	-11.78	peak	
4	*	3.8029	40.29	9.95	50.24	56.00	-5.76	peak	
5		3.8029	25.91	9.95	35.86	46.00	-10.14	AVG	
6		9.5000	29.08	10.08	39.16	60.00	-20.84	peak	
7		19.9500	31.00	10.23	41.23	60.00	-18.77	peak	

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

●Reference Only



2.6.5 Conducted Emissions (Subpart B)

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 : PC USB Link _Bluetooth 2.0_ Link Mode
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.



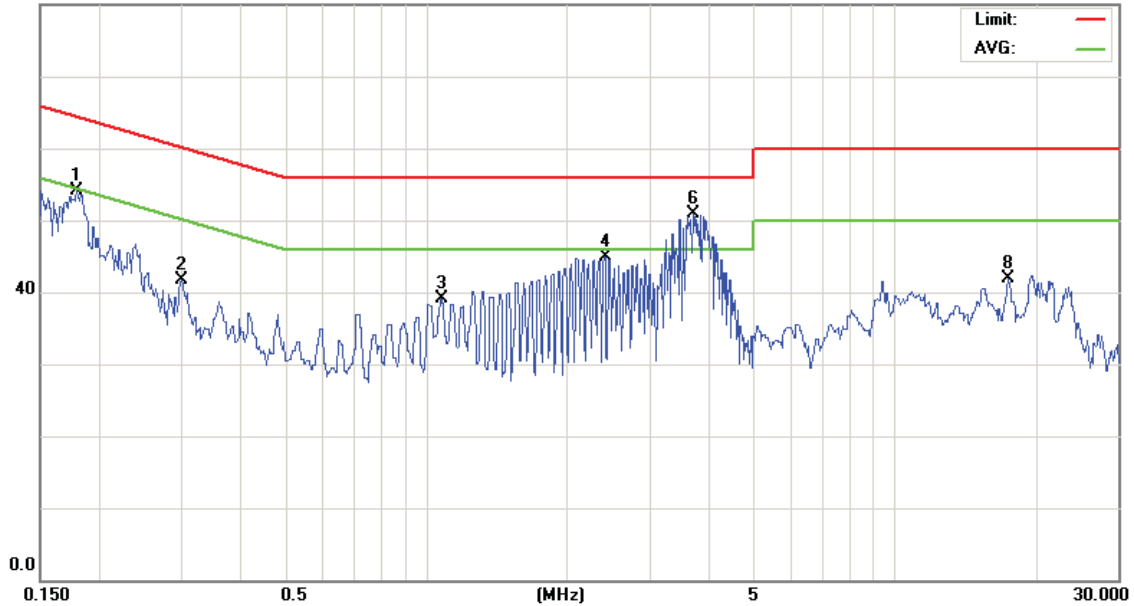
File :colorado 111(BT+PC)

Data :#1

Date: 2008/8/4

Time: 下午 11:09:11

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: BT+PC

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1794	44.38	9.74	54.12	64.51	-10.39	peak	
2		0.2998	31.96	9.76	41.72	60.25	-18.53	peak	
3		1.0760	29.27	9.80	39.07	56.00	-16.93	peak	
4		2.3990	35.03	9.84	44.87	56.00	-11.13	peak	
5		2.3990	26.56	9.84	36.40	46.00	-9.60	AVG	
6	*	3.7130	41.02	9.94	50.96	56.00	-5.04	peak	
7		3.7130	24.46	9.94	34.40	46.00	-11.60	AVG	
8		17.4500	31.61	10.28	41.89	60.00	-18.11	peak	

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

●Reference Only



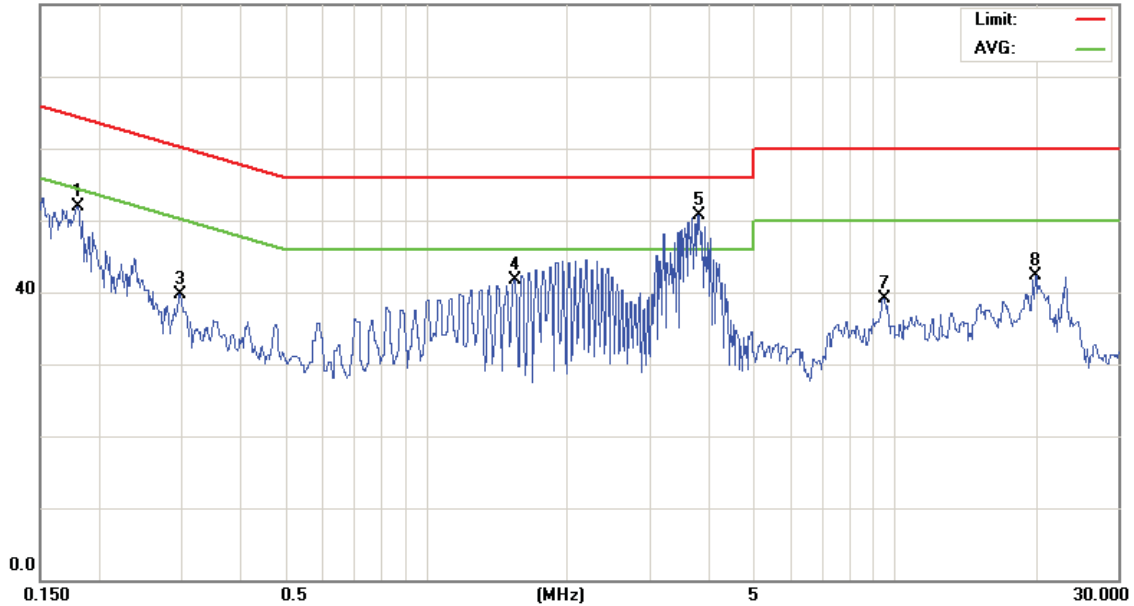
File :colorado 111(BT+PC)

Data :#2

Date: 2008/8/4

Time: 下午 11:20:30

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: BT+PC

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1801	42.08	9.74	51.82	64.48	-12.66	peak	
2		0.1801	25.26	9.74	35.00	54.48	-19.48	AVG	
3		0.2977	30.04	9.76	39.80	60.30	-20.50	peak	
4		1.5440	31.85	9.81	41.66	56.00	-14.34	peak	
5	*	3.8030	40.79	9.95	50.74	56.00	-5.26	peak	
6		3.8030	24.95	9.95	34.90	46.00	-11.10	AVG	
7		9.5000	29.08	10.08	39.16	60.00	-20.84	peak	
8		19.9500	32.00	10.23	42.23	60.00	-17.77	peak	

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

●Reference Only



2.6.6 Conducted Emissions (Subpart B)

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 : PC USB Link_ Bluetooth EDR _ Link Mode
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.



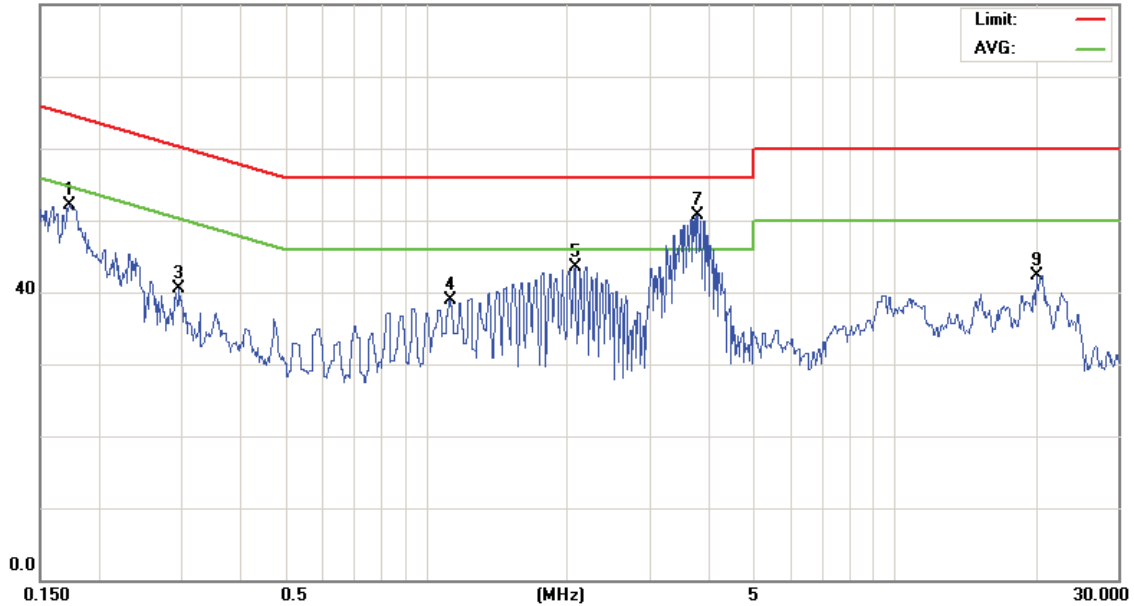
File :colorado 111(BT+EDR+PC)

Data :#1

Date: 2008/8/4

Time: 下午 11:28:57

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: BT+EDR+PC

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1731	42.47	9.73	52.20	64.81	-12.61	peak	
2		0.1731	26.57	9.73	36.30	54.81	-18.51	AVG	
3		0.2970	30.72	9.76	40.48	60.32	-19.84	peak	
4		1.1210	29.12	9.80	38.92	56.00	-17.08	peak	
5		2.0750	33.66	9.86	43.52	56.00	-12.48	peak	
6		2.0750	25.94	9.86	35.80	46.00	-10.20	AVG	
7	*	3.7850	40.81	9.95	50.76	56.00	-5.24	peak	
8		3.7850	24.45	9.95	34.40	46.00	-11.60	AVG	
9		20.1000	32.03	10.24	42.27	60.00	-17.73	peak	

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

●Reference Only



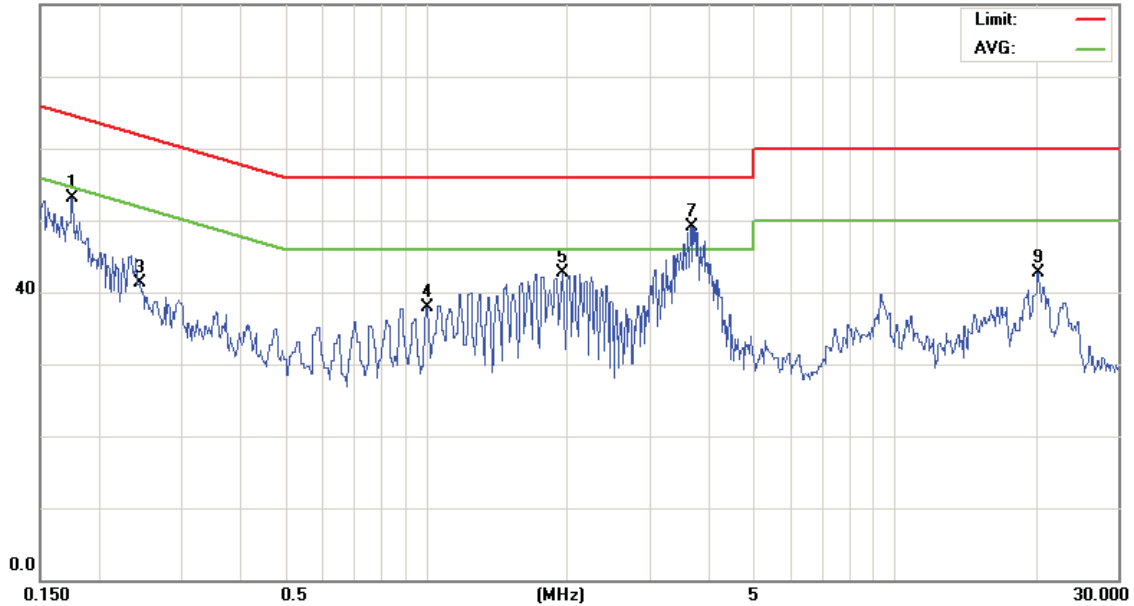
File :colorado 111(BT+EDR+PC)

Data :#2

Date: 2008/8/4

Time: 下午 11:38:55

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: BT+EDR+PC

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1751	43.34	9.74	53.08	64.71	-11.63	peak	
2		0.1751	24.06	9.74	33.80	54.71	-20.91	AVG	
3		0.2445	31.55	9.75	41.30	61.94	-20.64	peak	
4		1.0040	28.06	9.80	37.86	56.00	-18.14	peak	
5		1.9490	32.84	9.84	42.68	56.00	-13.32	peak	
6		1.9490	26.66	9.84	36.50	46.00	-9.50	AVG	
7	*	3.6680	39.11	9.93	49.04	56.00	-6.96	peak	
8		3.6680	23.37	9.93	33.30	46.00	-12.70	AVG	
9		20.2000	32.46	10.29	42.75	60.00	-17.25	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:

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 working & Measurements spectrum range from 30 MHz to 26.5 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 120 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 3 or 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	Aug. 07, 2009
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120E	0899	Jun. 26, 2008	Jun. 26, 2009

3.3 Test Configuration:

AC Adapter Mode

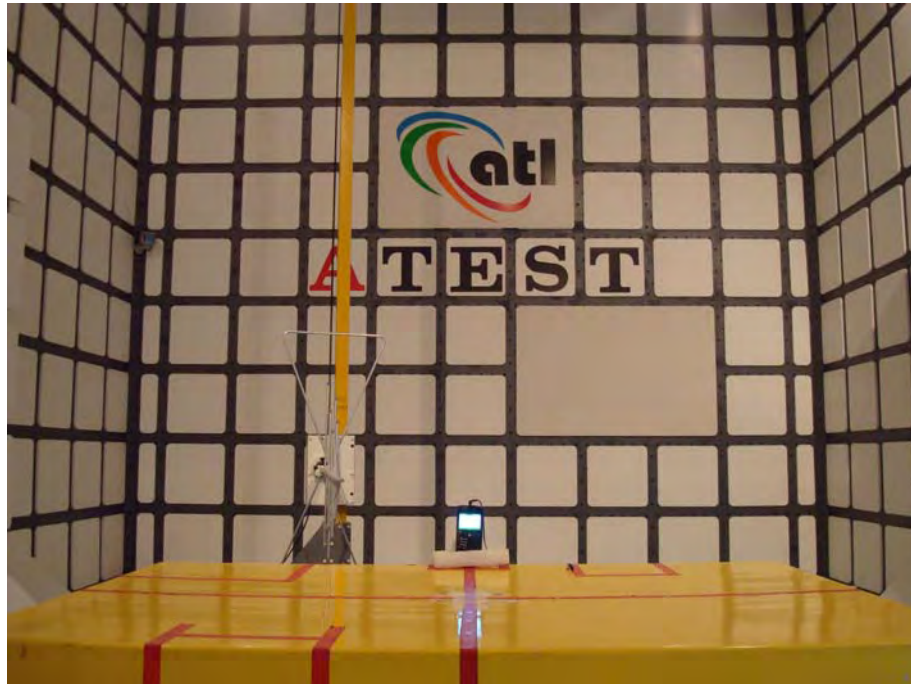


Figure 7. Front View of the Test Configuration

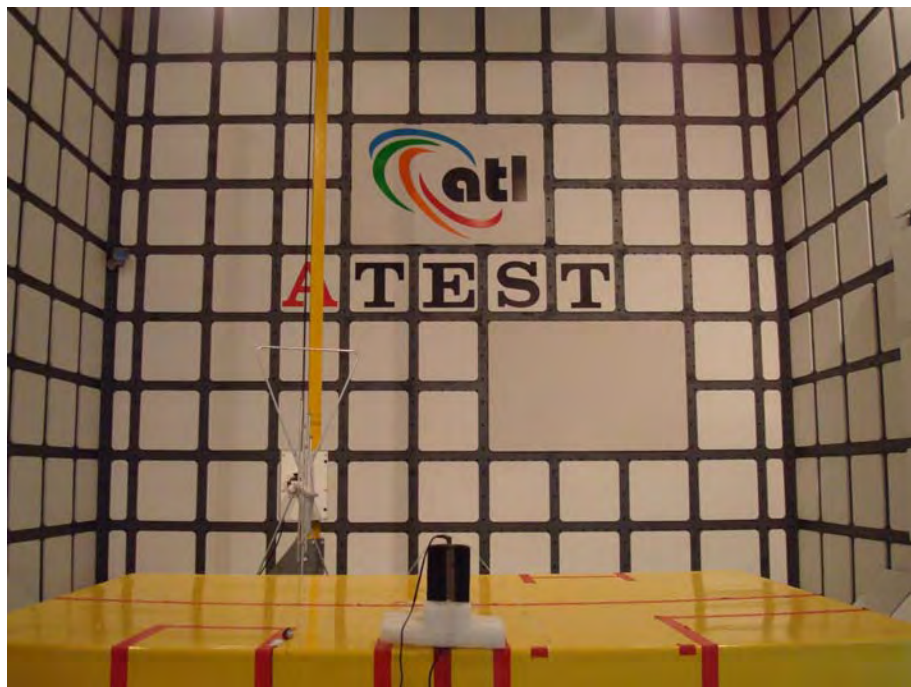


Figure 8. Rear View of the Test Configuration

PC USB Link Mode

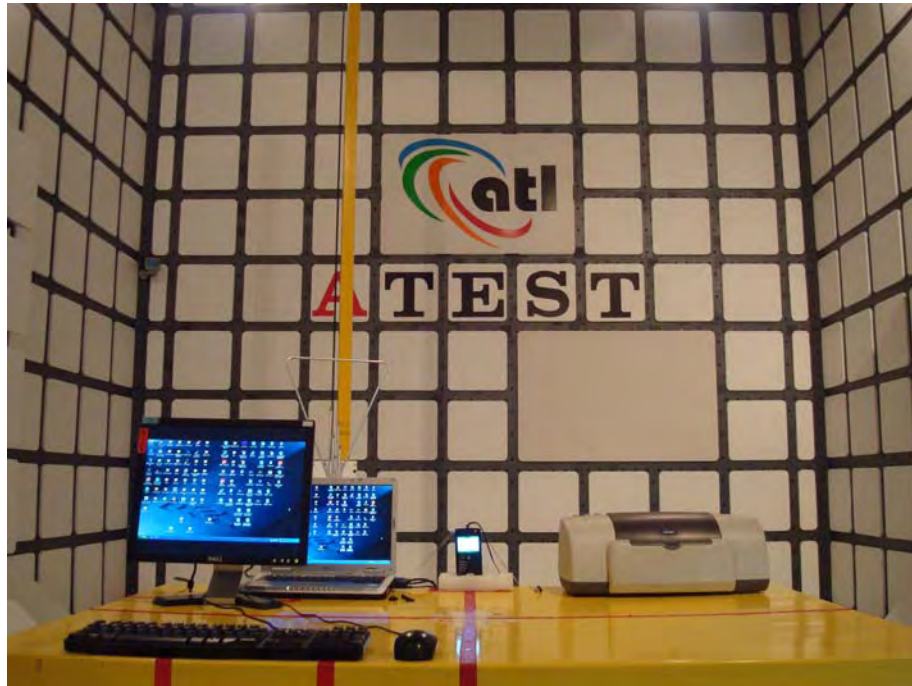


Figure 9. Front View of the Test Configuration



Figure 10. 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 B)

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 _ Stand by
Test Date : 07/21/2008
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)



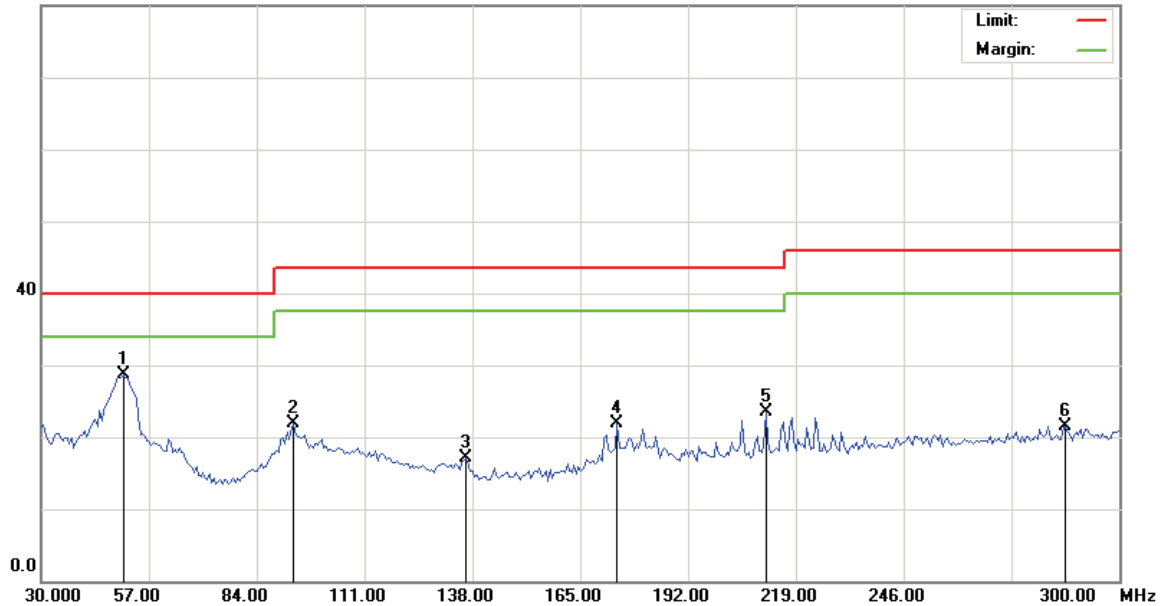
File :colorado 111(idel)

Data :#1

Date: 2008/7/21

Time: 下午 12:28:06

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: colorado 111

Mode: idel

Note:

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	*	50.5200	40.82	-12.11	28.71	40.00	-11.29	peak		
2		93.1800	34.23	-12.37	21.86	43.50	-21.64	peak		
3		136.3800	33.00	-15.93	17.07	43.50	-26.43	peak		
4		174.1799	36.43	-14.62	21.81	43.50	-21.69	peak		
5		211.4400	36.01	-12.57	23.44	43.50	-20.06	peak		
6		286.5000	31.59	-10.04	21.55	46.00	-24.45	peak		

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

●Reference Only



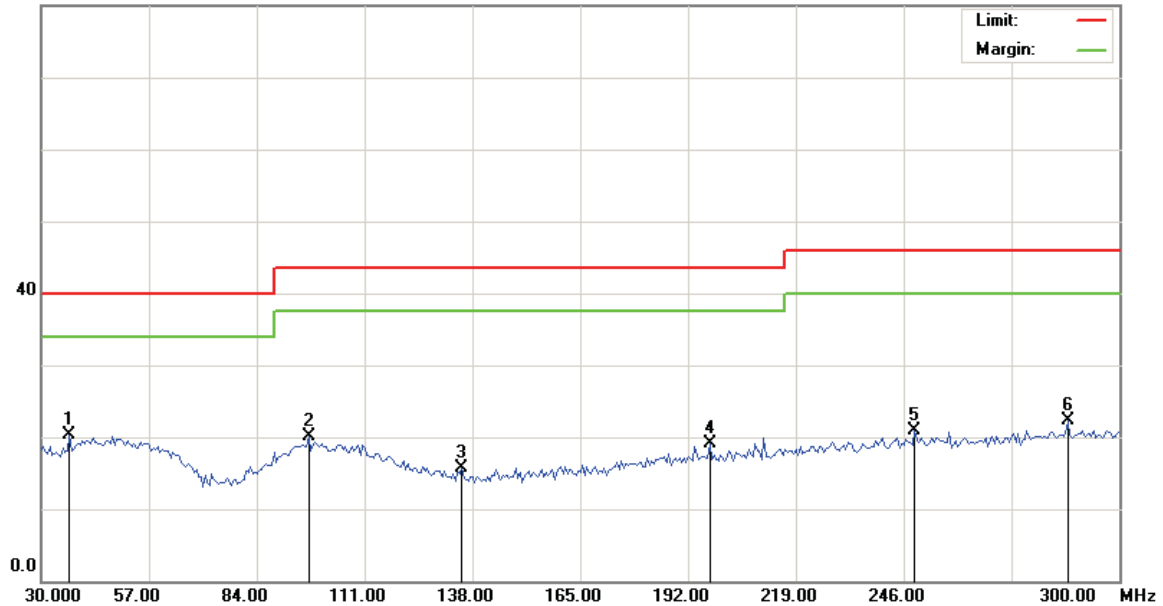
File :colorado 111(idel)

Data :#3

Date: 2008/7/21

Time: 下午 12:36:37

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: colorado 111

Mode: idel

Note:

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	*	37.0200	32.90	-12.64	20.26	40.00	-19.74	peak		
2		96.9600	31.96	-11.85	20.11	43.50	-23.39	peak		
3		135.3000	31.55	-15.85	15.70	43.50	-27.80	peak		
4		197.4000	32.08	-12.98	19.10	43.50	-24.40	peak		
5		248.7000	31.62	-10.79	20.83	46.00	-25.17	peak		
6		287.0400	32.24	-10.01	22.23	46.00	-23.77	peak		

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

●Reference Only



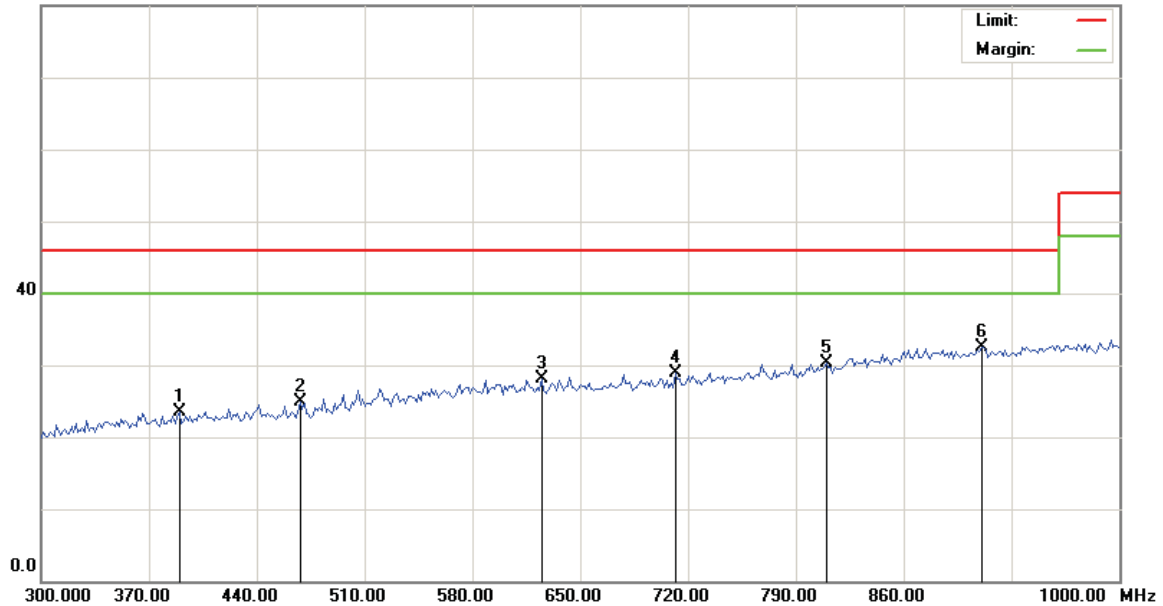
File :colorado 111(idel)

Data :#2

Date: 2008/7/21

Time: 下午 12:32:22

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: colorado 111

Mode: idel

Note:

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		389.6000	31.78	-8.29	23.49	46.00	-22.51	peak		
2		468.0000	32.42	-7.54	24.88	46.00	-21.12	peak		
3		624.8000	32.45	-4.36	28.09	46.00	-17.91	peak		
4		711.6000	32.31	-3.48	28.83	46.00	-17.17	peak		
5		809.6000	31.57	-1.29	30.28	46.00	-15.72	peak		
6	*	910.4000	32.09	0.50	32.59	46.00	-13.41	peak		

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

●Reference Only



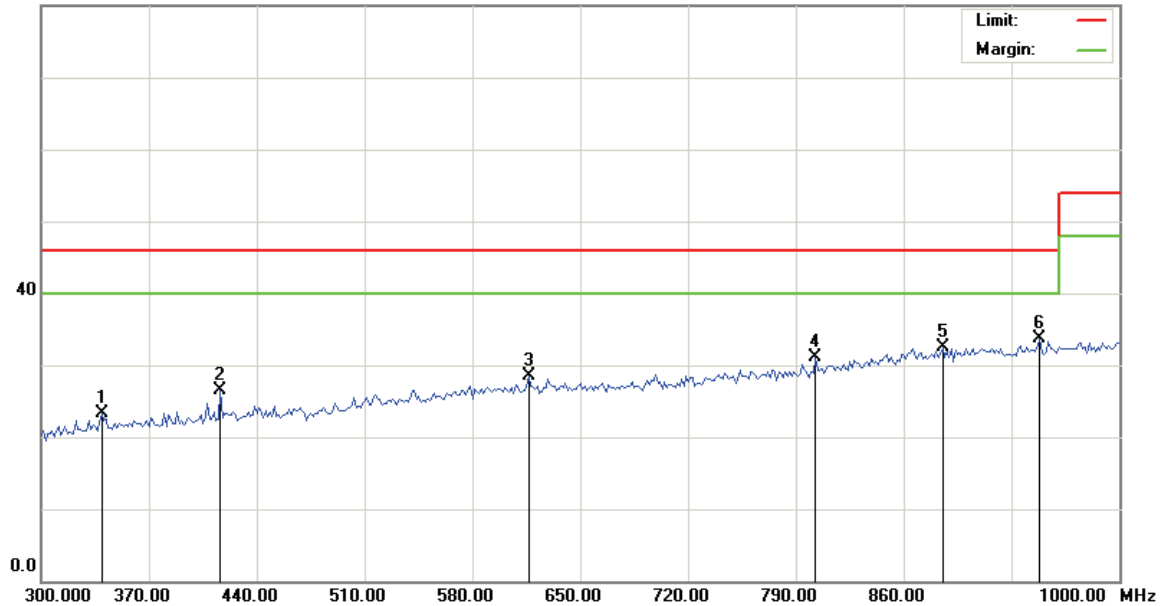
File :colorado 111(idel)

Data :#4

Date: 2008/7/21

Time: 下午 12:40:53

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: colorado 111

Mode: idel

Note:

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		339.2000	32.11	-8.83	23.28	46.00	-22.72	peak		
2		416.2000	34.48	-7.98	26.50	46.00	-19.50	peak		
3		616.4000	32.68	-4.09	28.59	46.00	-17.41	peak		
4		802.6000	32.86	-1.72	31.14	46.00	-14.86	peak		
5		885.2000	32.14	0.37	32.51	46.00	-13.49	peak		
6	*	948.2000	32.90	0.85	33.75	46.00	-12.25	peak		

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

●Reference Only



3.6.2 Open Field Radiated Emissions (Subpart B)

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 _Bluetooth_ Link Mode
Test Date : 07/21/2008

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)



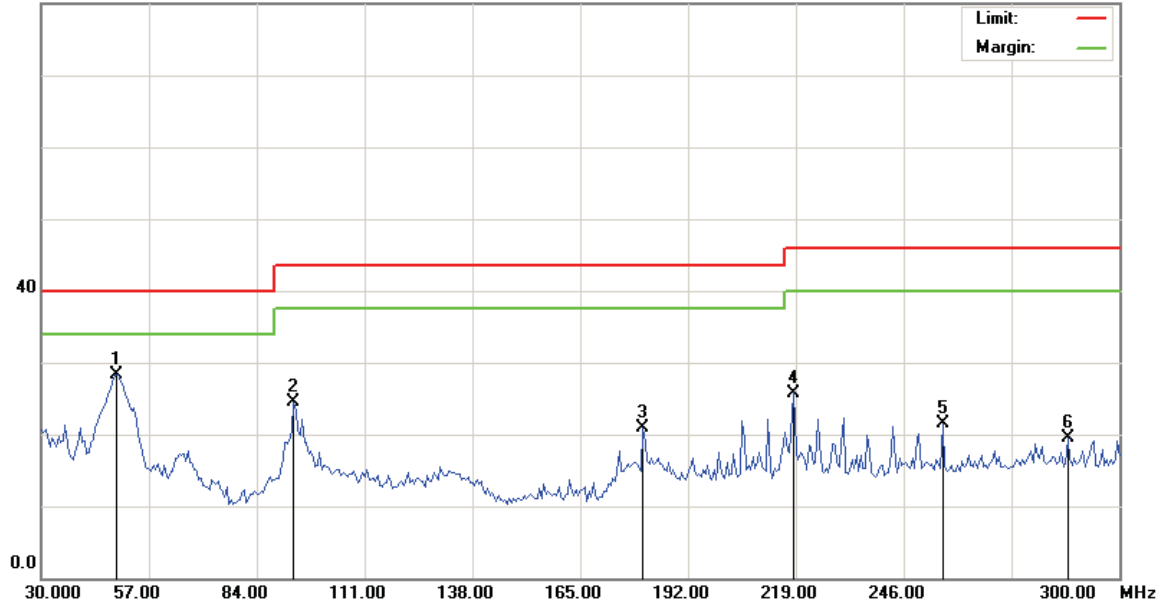
File :colorado 111(BT)

Data :#1

Date: 2008/7/21

Time: 下午 02:43:14

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree	
										Comment
1	*	48.9000	40.48	-12.08	28.40	40.00	-11.60	peak		
2		93.1800	36.94	-12.45	24.49	43.50	-19.01	peak		
3		180.6600	35.10	-14.25	20.85	43.50	-22.65	peak		
4		218.4600	38.28	-12.48	25.80	46.00	-20.20	peak		
5		255.7200	32.65	-11.16	21.49	46.00	-24.51	peak		
6		287.0400	29.67	-10.18	19.49	46.00	-26.51	peak		

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

●Reference Only



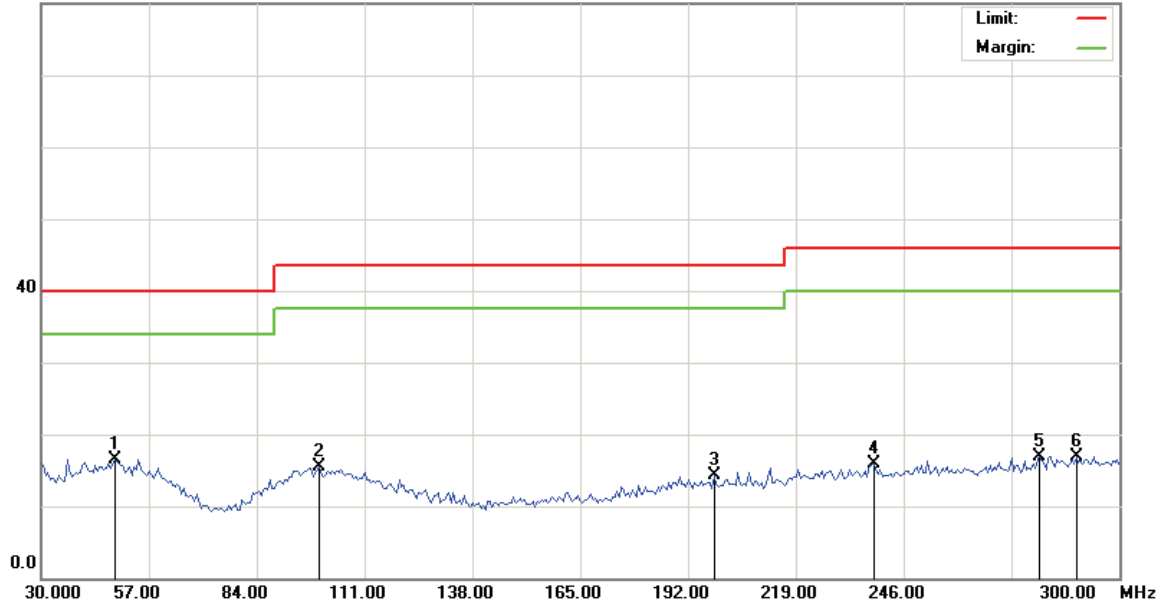
File :colorado 111(BT)

Data :#3

Date: 2008/7/21

Time: 下午 02:52:06

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note:

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	*	48.3600	28.57	-12.05	16.52	40.00	-23.48	peak		
2		99.6600	27.22	-11.78	15.44	43.50	-28.06	peak		
3		198.4800	27.46	-13.15	14.31	43.50	-29.19	peak		
4		238.4400	27.48	-11.52	15.96	46.00	-30.04	peak		
5		280.0200	27.37	-10.41	16.96	46.00	-29.04	peak		
6		289.2000	26.91	-10.06	16.85	46.00	-29.15	peak		

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

●Reference Only



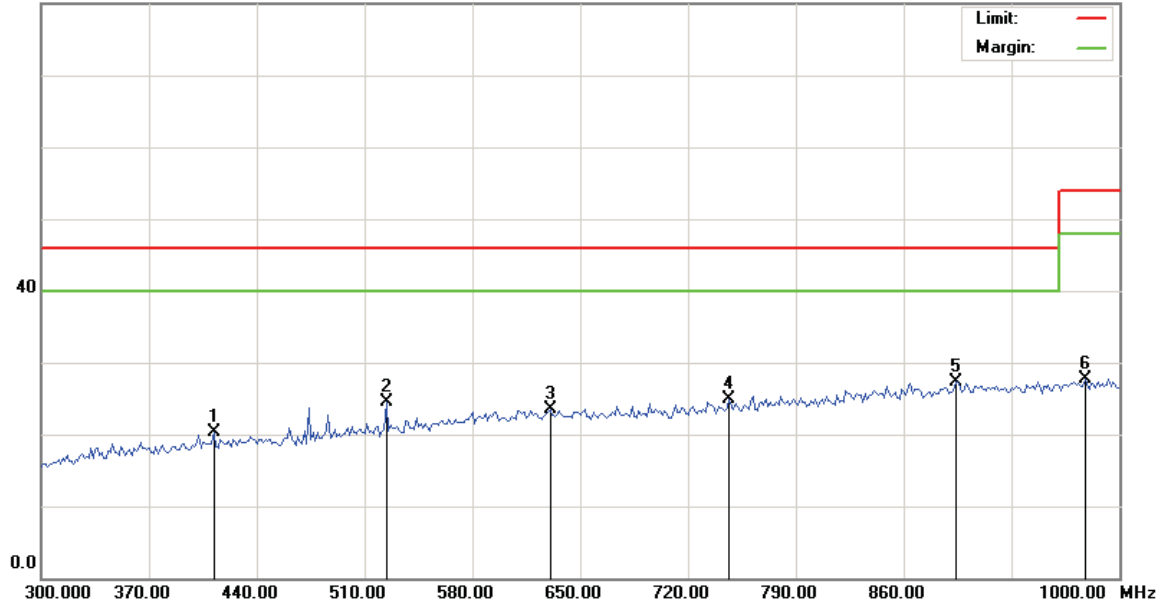
File :colorado 111(BT)

Data :#2

Date: 2008/7/21

Time: 下午 02:47:44

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note:

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		412.0000	28.50	-8.24	20.26	46.00	-25.74	peak		
2		524.0000	31.01	-6.53	24.48	46.00	-21.52	peak		
3		630.4000	27.94	-4.36	23.58	46.00	-22.42	peak		
4		746.6000	28.04	-3.11	24.93	46.00	-21.07	peak		
5	*	893.6000	27.91	-0.61	27.30	46.00	-18.70	peak		
6		977.6000	27.20	0.54	27.74	54.00	-26.26	peak		

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

●Reference Only



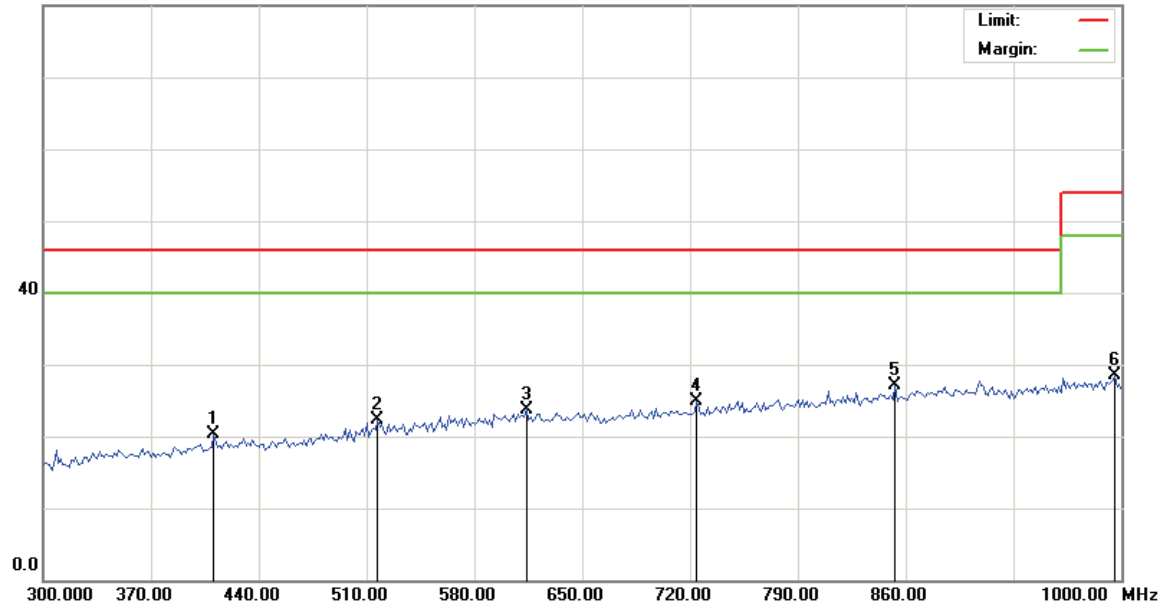
File :colorado 111(BT)

Data :#4

Date: 2008/7/21

Time: 下午 02:56:24

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note:

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		410.6000	28.46	-8.25	20.21	46.00	-25.79	peak		
2		517.0000	28.72	-6.48	22.24	46.00	-23.76	peak		
3		613.6000	28.26	-4.46	23.80	46.00	-22.20	peak		
4		724.2000	28.41	-3.54	24.87	46.00	-21.13	peak		
5	*	853.0000	28.42	-1.29	27.13	46.00	-18.87	peak		
6		995.8000	27.83	0.75	28.58	54.00	-25.42	peak		

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

●Reference Only



3.6.3 Open Field Radiated Emissions (Subpart B)

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 _Bluetooth EDR_ Link Mode
Test Date : 07/21/2008

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)



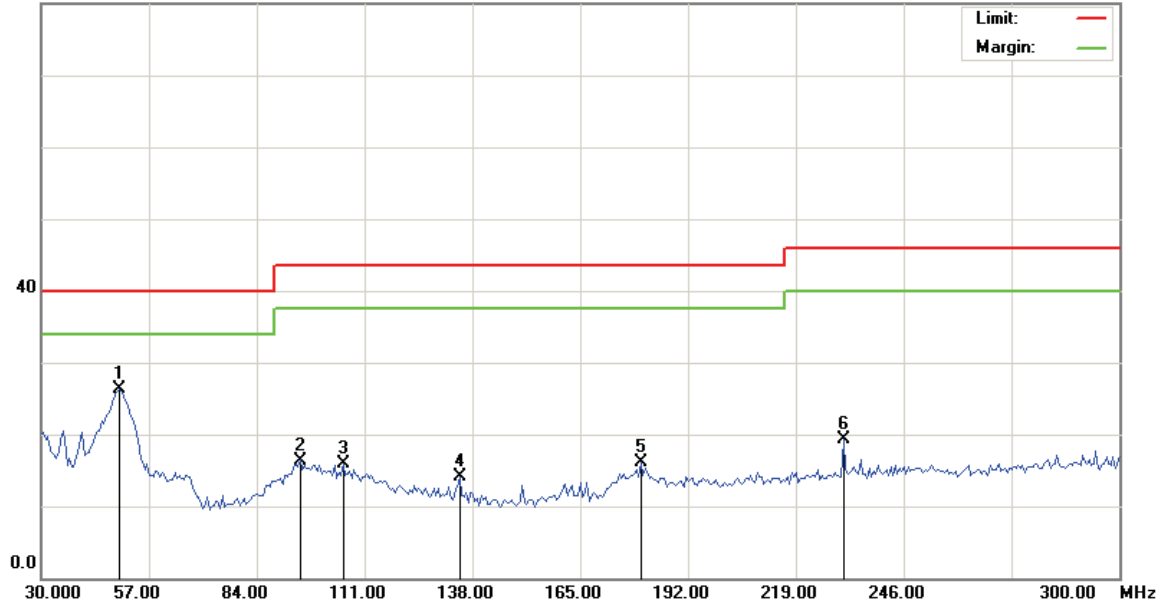
File :colorado 111(BT+EDR)

Data :#1

Date: 2008/7/21

Time: 下午 03:02:27

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note:

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	*	49.4400	38.49	-12.13	26.36	40.00	-13.64	peak		
2		94.8000	28.49	-12.09	16.40	43.50	-27.10	peak		
3		105.6000	27.95	-12.14	15.81	43.50	-27.69	peak		
4		134.7600	30.11	-15.95	14.16	43.50	-29.34	peak		
5		180.1200	30.45	-14.31	16.14	43.50	-27.36	peak		
6		230.8800	31.17	-11.85	19.32	46.00	-26.68	peak		

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

●Reference Only



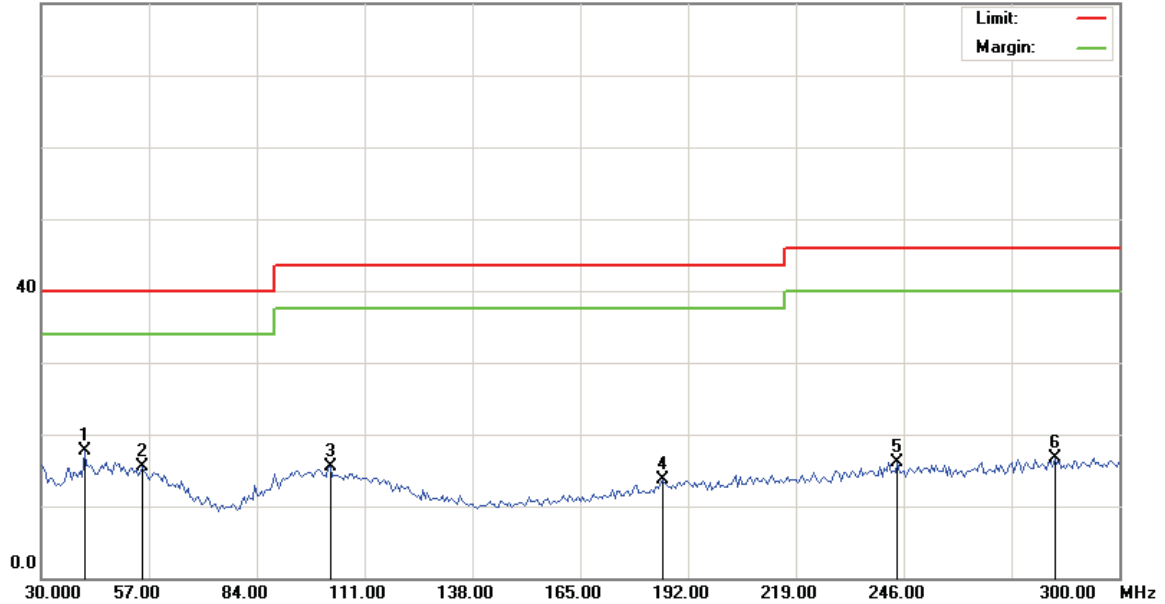
File :colorado 111(BT+EDR)

Data :#3

Date: 2008/7/21

Time: 下午 03:11:02

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree	
							Detector		degree	Comment
1	*	40.8000	29.57	-11.88	17.69	40.00	-22.31	peak		
2		55.3800	27.81	-12.24	15.57	40.00	-24.43	peak		
3		102.3600	27.36	-11.91	15.45	43.50	-28.05	peak		
4		185.5200	27.40	-13.76	13.64	43.50	-29.86	peak		
5		244.3800	27.35	-11.28	16.07	46.00	-29.93	peak		
6		283.8000	27.11	-10.33	16.78	46.00	-29.22	peak		

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

●Reference Only



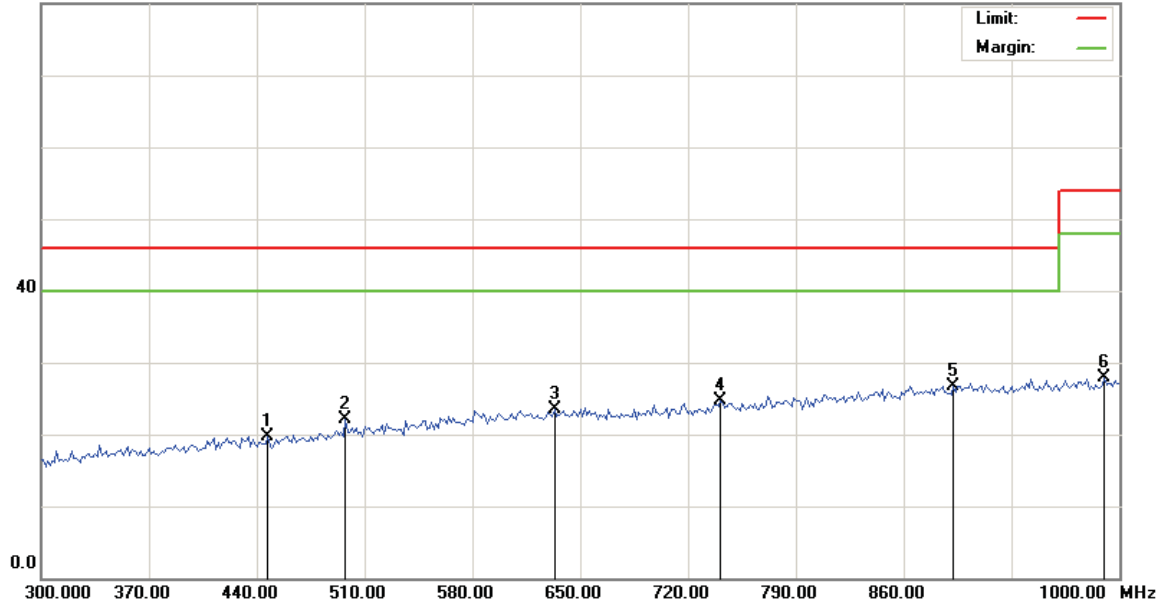
File :colorado 111(BT+EDR)

Data :#2

Date: 2008/7/21

Time: 下午 03:06:45

80.0 dBuV



Site site#1

Polarization: *Vertical*

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note:

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		447.0000	27.80	-8.08	19.72	46.00	-26.28	peak		
2		497.4000	29.16	-7.12	22.04	46.00	-23.96	peak		
3		633.2000	27.94	-4.36	23.58	46.00	-22.42	peak		
4		741.0000	28.03	-3.25	24.78	46.00	-21.22	peak		
5	*	892.2000	27.46	-0.70	26.76	46.00	-19.24	peak		
6		990.2000	27.01	0.93	27.94	54.00	-26.06	peak		

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

●Reference Only



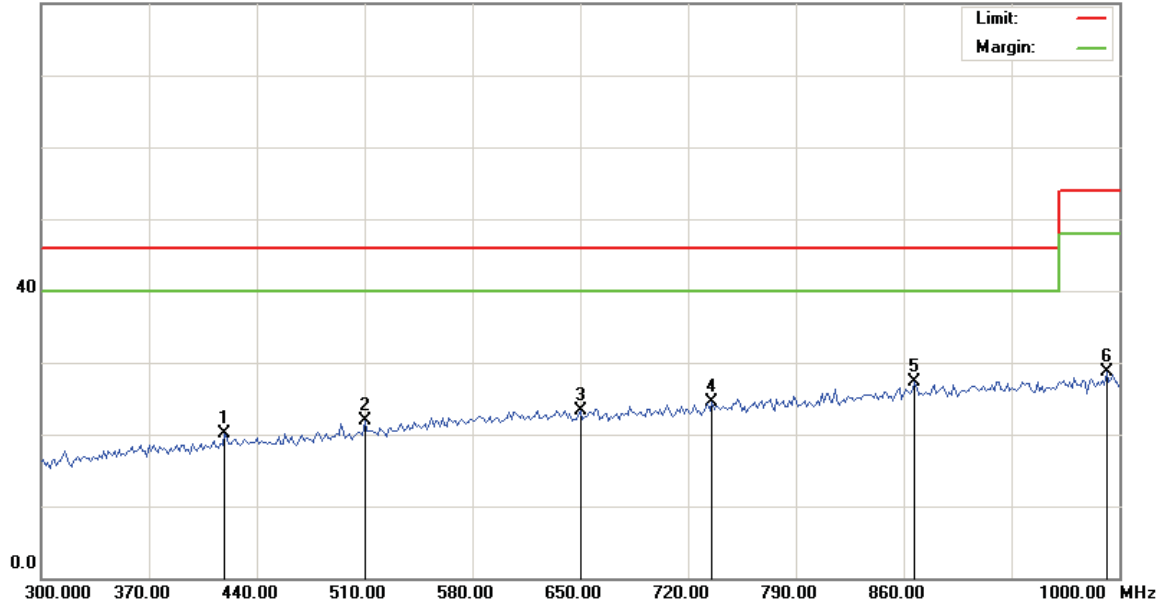
File :colorado 111(BT+EDR)

Data :#4

Date: 2008/7/21

Time: 下午 03:15:19

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note:

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		419.0000	28.21	-8.12	20.09	46.00	-25.91	peak		
2		510.0000	28.70	-6.79	21.91	46.00	-24.09	peak		
3		650.0000	27.47	-4.09	23.38	46.00	-22.62	peak		
4		735.4000	27.70	-3.29	24.41	46.00	-21.59	peak		
5	*	867.0000	27.90	-0.66	27.24	46.00	-18.76	peak		
6		991.6000	27.79	0.89	28.68	54.00	-25.32	peak		

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

●Reference Only



3.6.4 Open Field Radiated Emissions (Subpart B)

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 : PC USB LINK _ Stand by
Test Date : 08/04/2008

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)



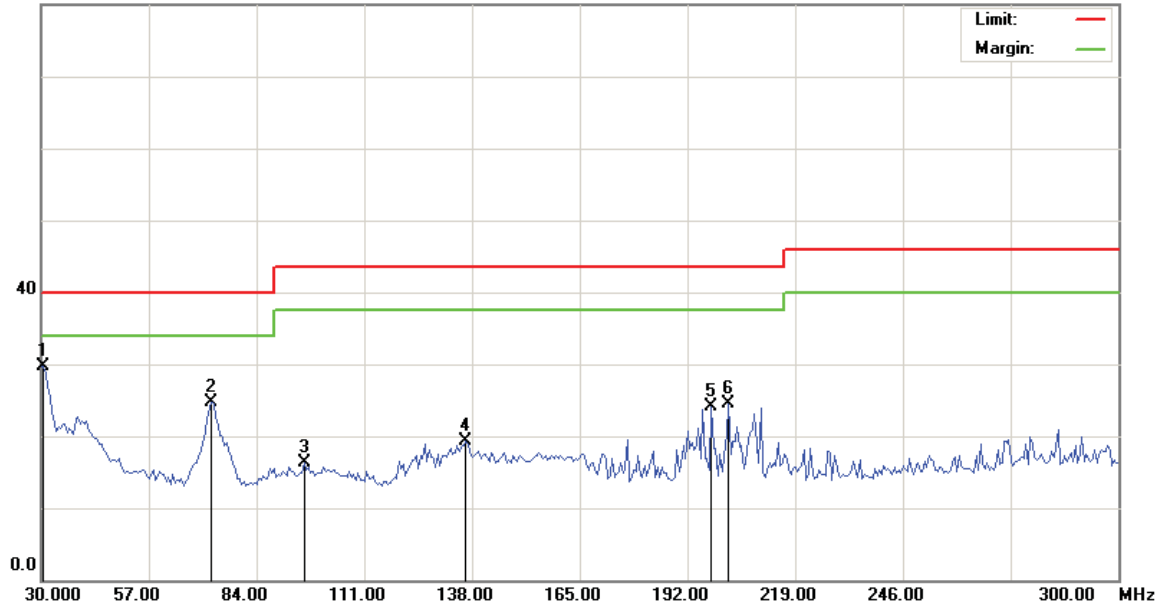
File :Colorado 111(IDEL+PC)

Data :#1

Date: 2008/08/04

Time: 下午 04:04:43

80.0 dBuV



Site site#1

Polarization: *Vertical*

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: Idel+PC

Note:

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	*	30.5400	43.00	-13.31	29.69	40.00	-10.31	peak		
2		72.6600	41.58	-16.89	24.69	40.00	-15.31	peak		
3		95.8800	28.36	-11.99	16.37	43.50	-27.13	peak		
4		136.3800	35.33	-16.07	19.26	43.50	-24.24	peak		
5		197.9400	37.18	-13.14	24.04	43.50	-19.46	peak		
6		202.2600	37.71	-13.12	24.59	43.50	-18.91	peak		

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

●Reference Only



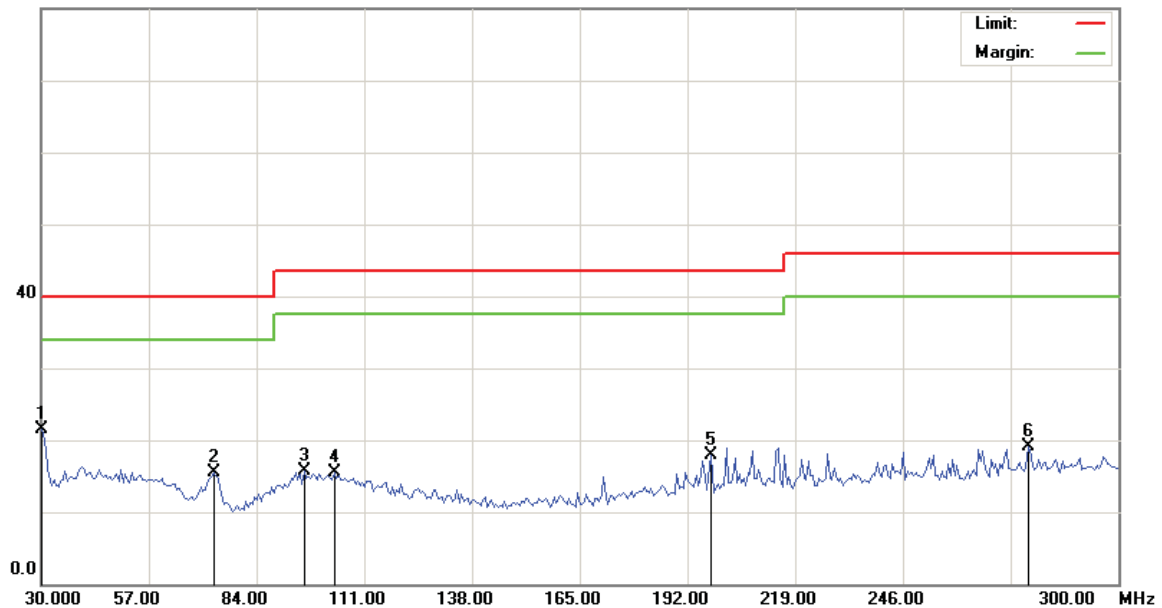
File :Colorado 111(IDEL+PC)

Data :#3

Date: 2008/08/04

Time: 下午 04:13:16

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: Idel+PC

Note:

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	*	30.0000	34.76	-13.32	21.44	40.00	-18.56	peak		
2		73.2000	32.38	-16.95	15.43	40.00	-24.57	peak		
3		95.8800	27.67	-11.99	15.68	43.50	-27.82	peak		
4		103.4400	27.55	-11.98	15.57	43.50	-27.93	peak		
5		197.9400	30.95	-13.14	17.81	43.50	-25.69	peak		
6		277.3200	29.70	-10.61	19.09	46.00	-26.91	peak		

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

●Reference Only



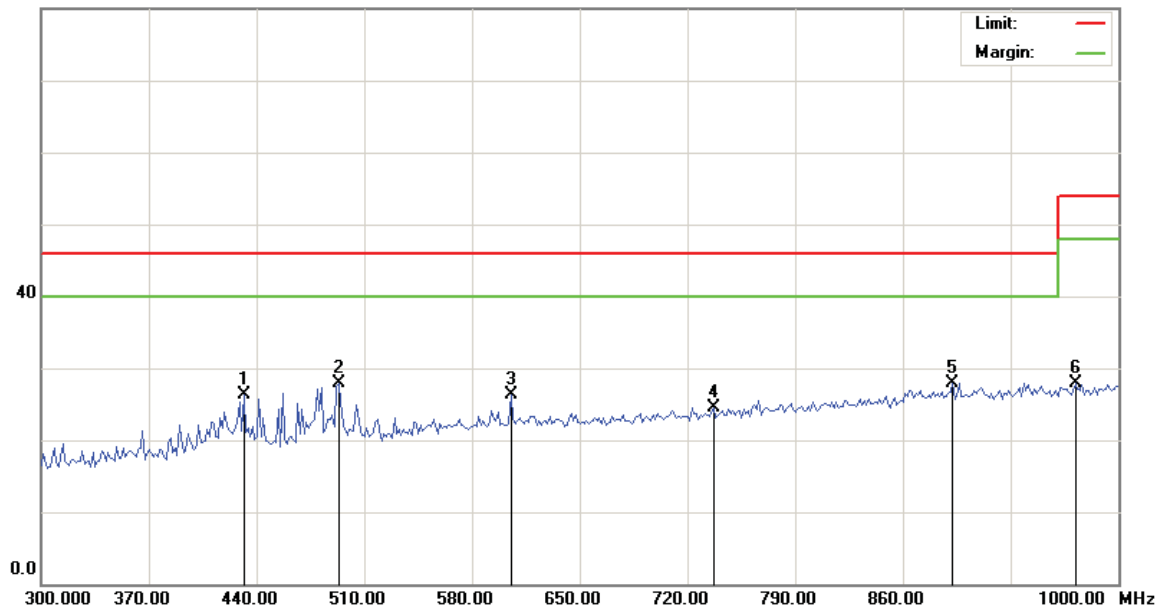
File :Colorado 111(IDEL+PC)

Data :#2

Date: 2008/08/04

Time: 下午 04:09:00

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: Idel+PC

Note:

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		431.6000	34.34	-8.03	26.31	46.00	-19.69	peak		
2		493.2000	35.00	-7.13	27.87	46.00	-18.13	peak		
3		605.2000	30.87	-4.58	26.29	46.00	-19.71	peak		
4		736.8000	27.80	-3.29	24.51	46.00	-21.49	peak		
5	*	892.2000	28.64	-0.70	27.94	46.00	-18.06	peak		
6		972.0000	27.24	0.70	27.94	54.00	-26.06	peak		

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

●Reference Only



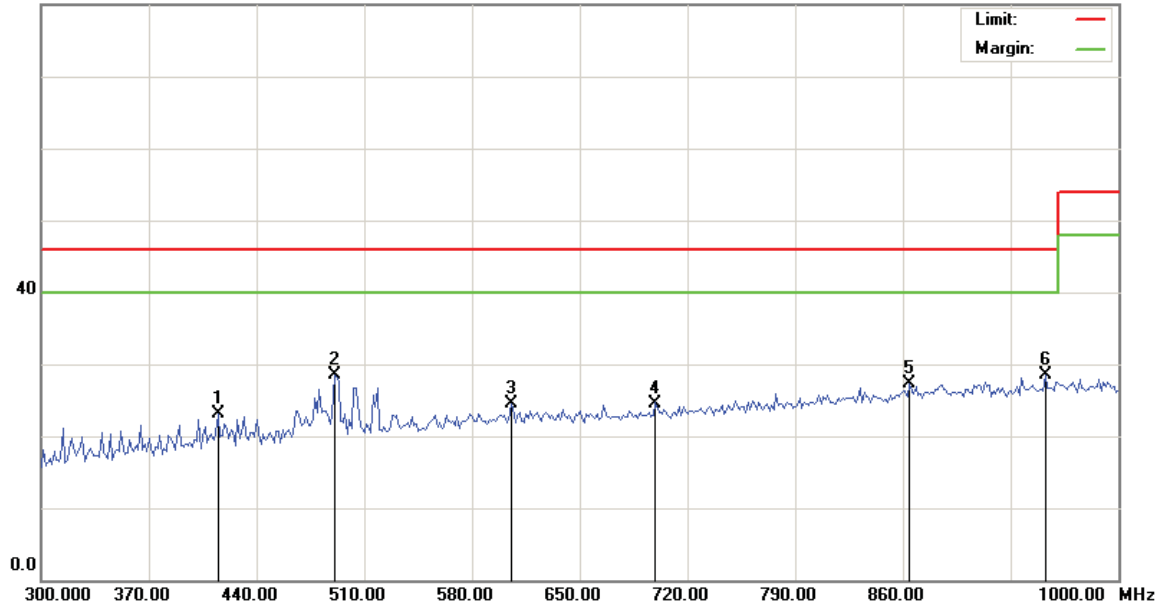
File :Colorado 111(IDEL+PC)

Data :#4

Date: 2008/08/04

Time: 下午 04:17:33

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: Idel+PC

Note:

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		414.8000	31.28	-8.23	23.05	46.00	-22.95	peak		
2	*	490.4000	35.67	-7.25	28.42	46.00	-17.58	peak		
3		605.2000	29.07	-4.58	24.49	46.00	-21.51	peak		
4		699.0000	28.45	-3.85	24.60	46.00	-21.40	peak		
5		864.2000	27.99	-0.60	27.39	46.00	-18.61	peak		
6		952.4000	28.20	0.22	28.42	46.00	-17.58	peak		

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

●Reference Only



3.6.5 Open Field Radiated Emissions (Subpart B)

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 : PC USB LINK _Bluetooth_ Link Mode
Test Date : 08/04/2008

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)



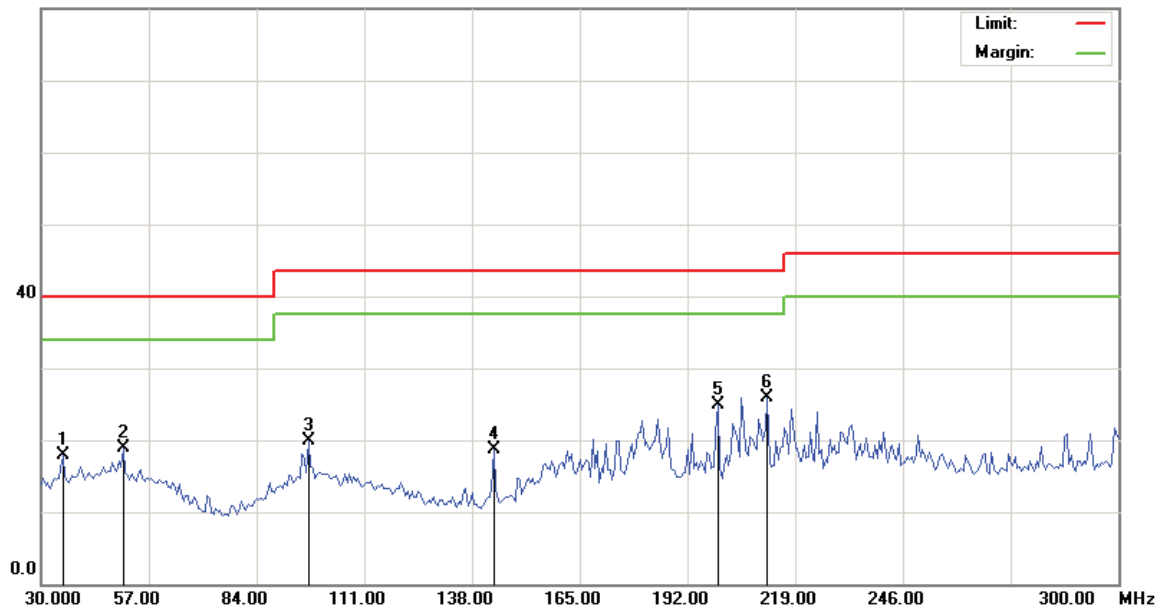
File :Colorado 111(BT)(電腦+耳

Data :#1

Date: 2008/08/04

Time: 下午 05:50:52

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note: CH00(PC)

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		35.4000	30.95	-13.09	17.86	40.00	-22.14	peak		
2		50.5200	31.13	-12.16	18.97	40.00	-21.03	peak		
3		96.9600	31.75	-11.93	19.82	43.50	-23.68	peak		
4		143.4000	35.04	-16.24	18.80	43.50	-24.70	peak		
5		199.5600	38.03	-13.17	24.86	43.50	-18.64	peak		
6	*	211.9800	38.72	-12.75	25.97	43.50	-17.53	peak		

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

●Reference Only



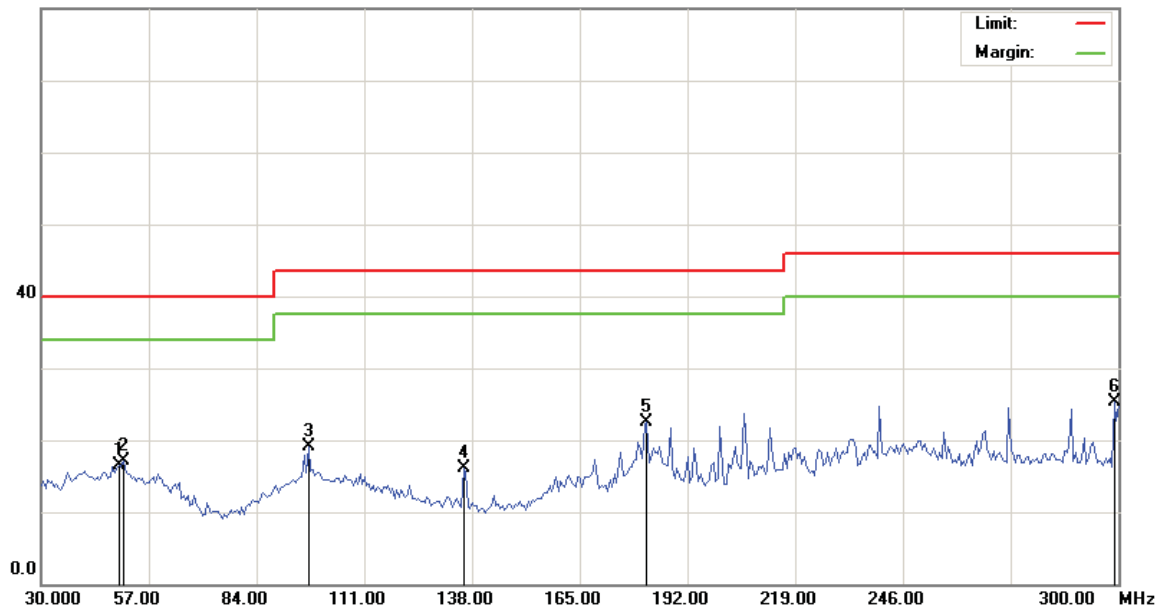
File :Colorado 111(BT)(電腦+耳

Data :#3

Date: 2008/08/04

Time: 下午 05:59:25

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note: CH00(PC)

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		49.4400	28.73	-12.13	16.60	40.00	-23.40	peak		
2		50.5200	29.19	-12.16	17.03	40.00	-22.97	peak		
3		96.9600	30.95	-11.93	19.02	43.50	-24.48	peak		
4		135.8400	32.11	-16.03	16.08	43.50	-27.42	peak		
5		181.7400	36.65	-14.15	22.50	43.50	-21.00	peak		
6	*	298.9200	35.24	-10.03	25.21	46.00	-20.79	peak		

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

●Reference Only



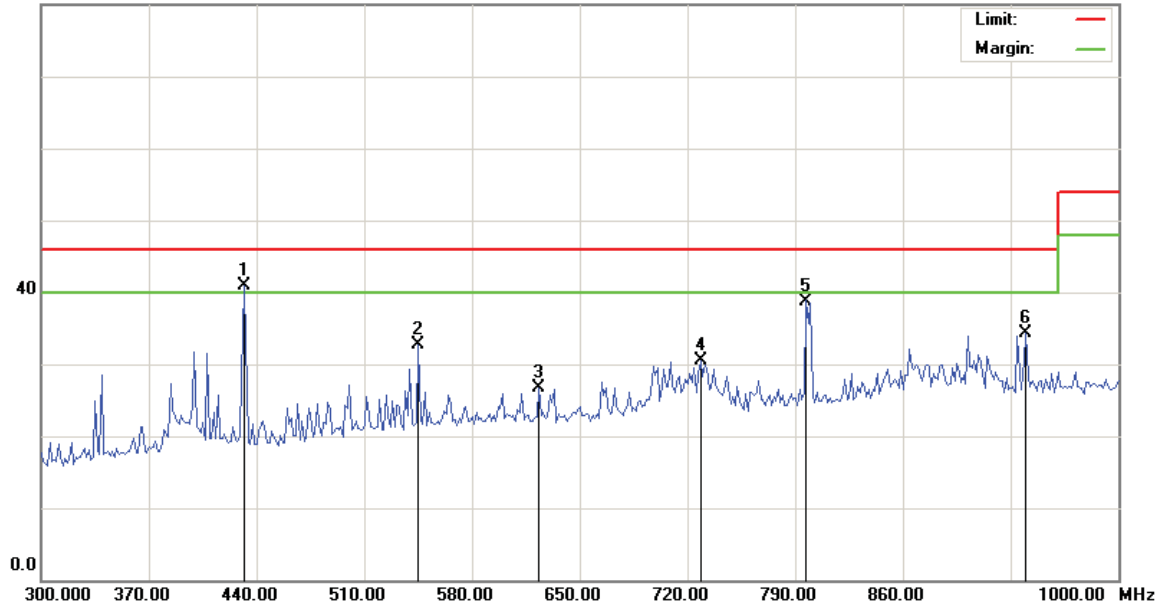
File :Colorado 111(BT)(電腦+耳

Data :#2

Date: 2008/08/04

Time: 下午 05:55:08

80.0 dBuV



Site site#1

Polarization: *Vertical*

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note: CH00(PC)

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	*	431.6000	48.87	-8.03	40.84	46.00	-5.16	peak		
2		545.0000	38.77	-6.06	32.71	46.00	-13.29	peak		
3		623.4000	31.22	-4.56	26.66	46.00	-19.34	peak		
4		728.4000	34.07	-3.55	30.52	46.00	-15.48	peak		
5		797.0000	41.14	-2.34	38.80	46.00	-7.20	peak		
6		939.8000	34.09	0.27	34.36	46.00	-11.64	peak		

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

●Reference Only



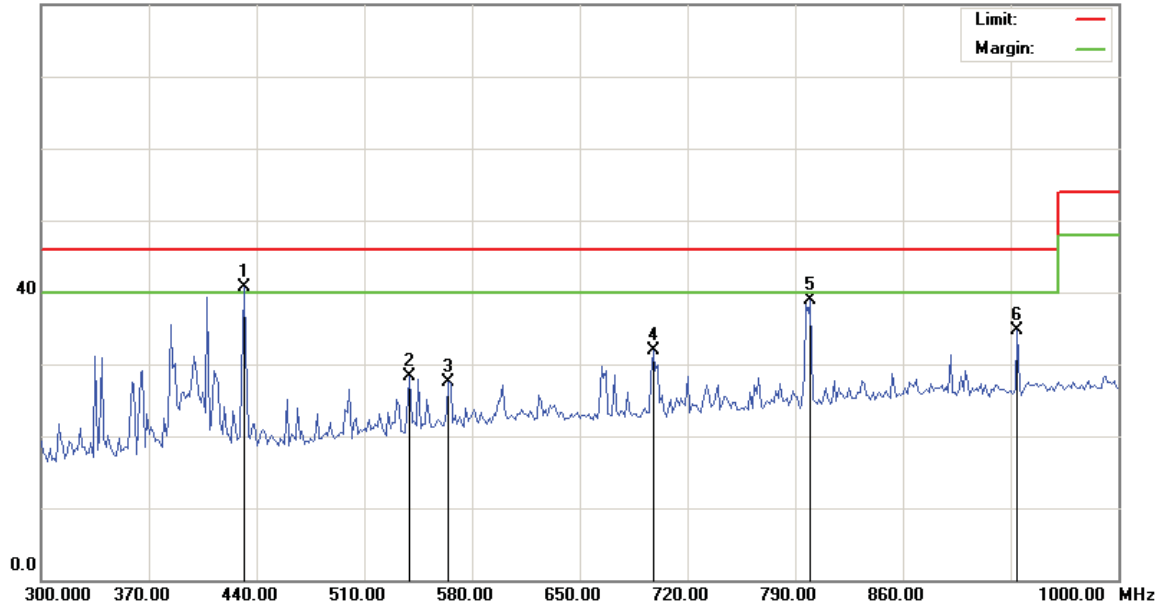
File :Colorado 111(BT)(電腦+耳

Data :#4

Date: 2008/08/04

Time: 下午 06:03:43

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT

Note: CH00(PC)

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	*	431.6000	48.67	-8.03	40.64	46.00	-5.36	peak		
2		539.4000	34.30	-6.08	28.22	46.00	-17.78	peak		
3		564.6000	33.19	-5.65	27.54	46.00	-18.46	peak		
4		697.6000	35.74	-3.86	31.88	46.00	-14.12	peak		
5		799.8000	41.21	-2.32	38.89	46.00	-7.11	peak		
6		934.2000	34.76	-0.06	34.70	46.00	-11.30	peak		

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

●Reference Only



3.6.6 Open Field Radiated Emissions (Subpart B)

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 : PC USB LINK _Bluetooth EDR_ Link Mode
Test Date : 08/04/2008

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)



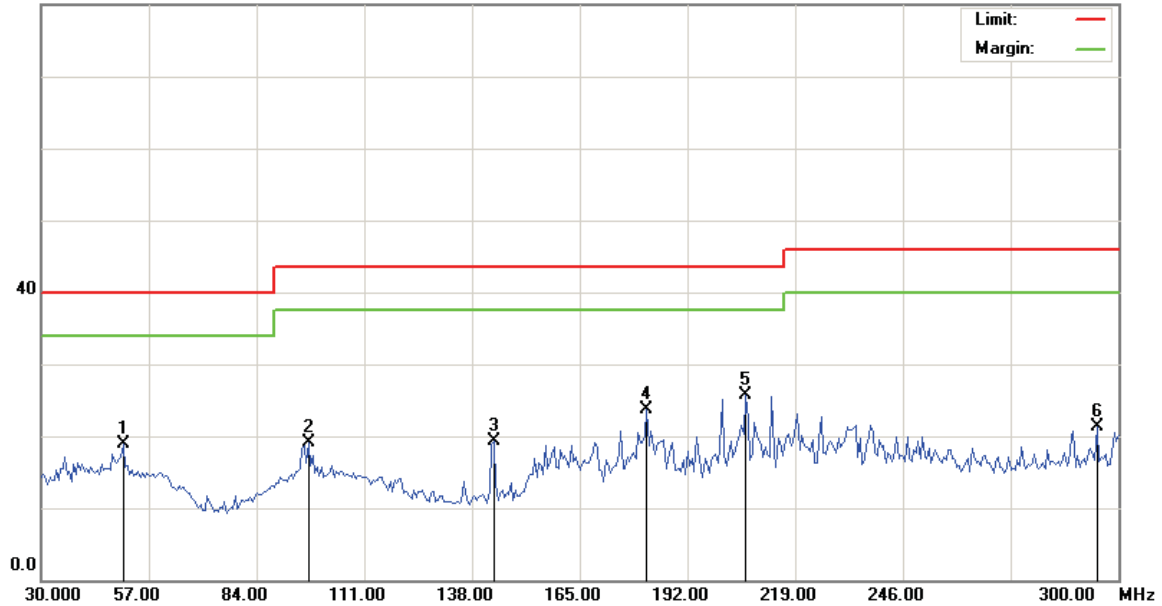
File :Colorado 111(BT+EDR)(電

Data :#1

Date: 2008/08/04

Time: 下午 06:10:29

80.0 dBuV



Site site#1

Polarization: *Vertical*

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note: CH00(PC)

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		50.5200	31.01	-12.16	18.85	40.00	-21.15	peak		
2		96.9600	31.11	-11.93	19.18	43.50	-24.32	peak		
3		143.4000	35.46	-16.24	19.22	43.50	-24.28	peak		
4		181.7400	37.94	-14.15	23.79	43.50	-19.71	peak		
5	*	206.5800	38.61	-12.96	25.65	43.50	-17.85	peak		
6		294.6000	31.48	-10.19	21.29	46.00	-24.71	peak		

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

●Reference Only



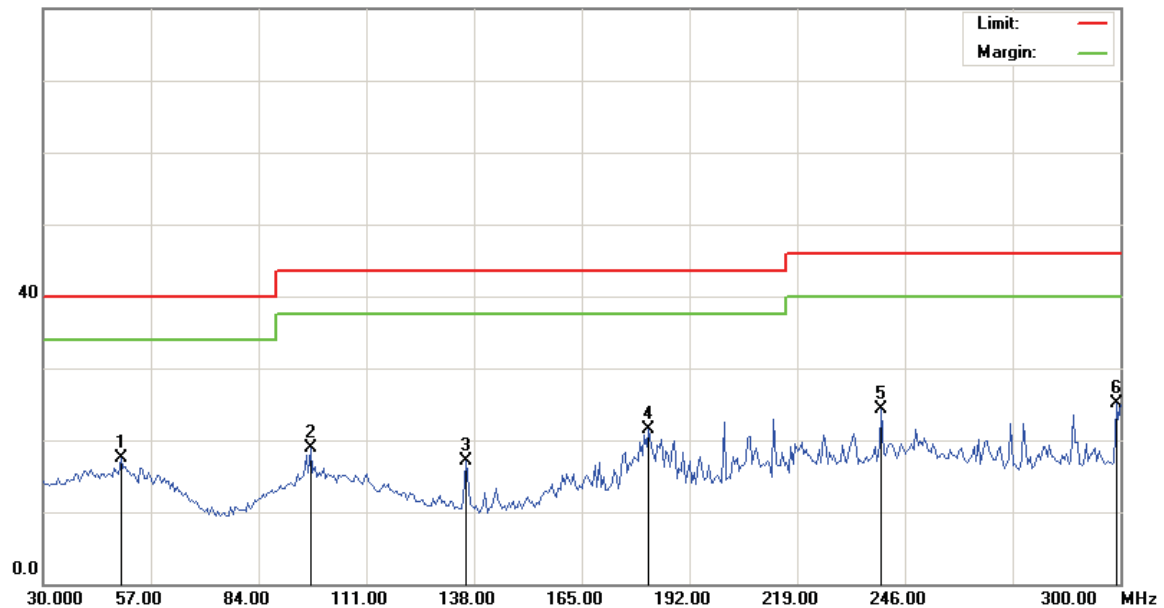
File :Colorado 111(BT+EDR)(電

Data :#3

Date: 2008/08/04

Time: 下午 06:19:02

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note: CH00(PC)

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		49.4400	29.57	-12.13	17.44	40.00	-22.56	peak		
2		96.9600	30.82	-11.93	18.89	43.50	-24.61	peak		
3		135.8400	33.10	-16.03	17.07	43.50	-26.43	peak		
4		181.7400	35.67	-14.15	21.52	43.50	-21.98	peak		
5		240.0600	35.82	-11.43	24.39	46.00	-21.61	peak		
6	*	298.9200	35.21	-10.03	25.18	46.00	-20.82	peak		

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

●Reference Only



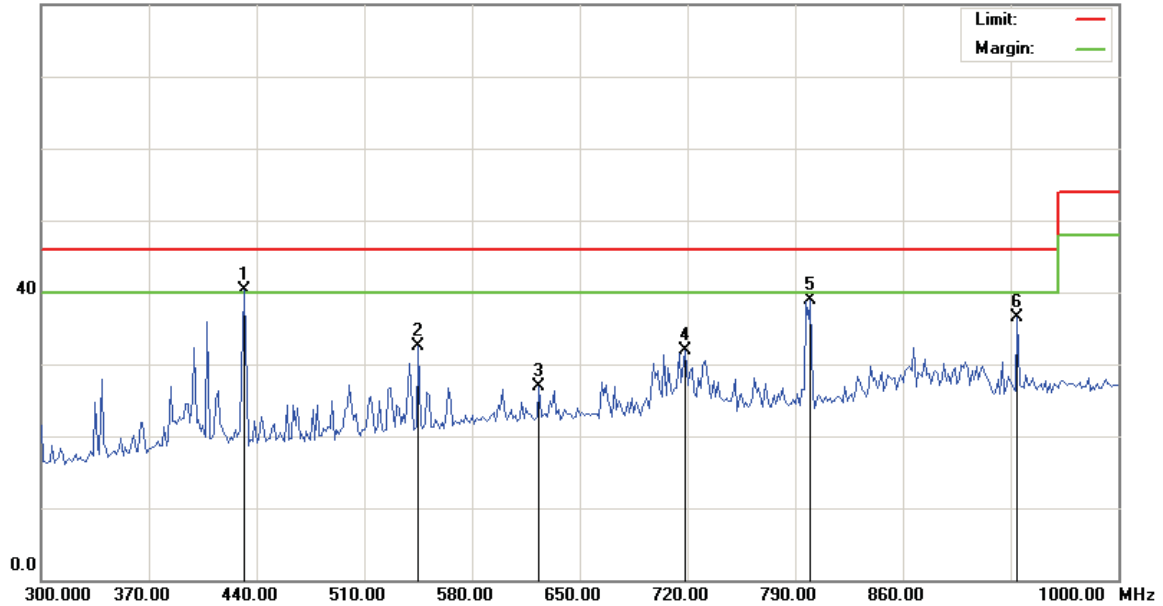
File :Colorado 111(BT+EDR)(電

Data :#2

Date: 2008/08/04

Time: 下午 06:14:45

80.0 dBuV



Site site#1

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note: CH00(PC)

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	*	431.6000	48.37	-8.03	40.34	46.00	-5.66	peak		
2		545.0000	38.64	-6.06	32.58	46.00	-13.42	peak		
3		623.4000	31.56	-4.56	27.00	46.00	-19.00	peak		
4		718.6000	35.57	-3.57	32.00	46.00	-14.00	peak		
5		799.8000	41.22	-2.32	38.90	46.00	-7.10	peak		
6		934.2000	36.53	-0.06	36.47	46.00	-9.53	peak		

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

●Reference Only



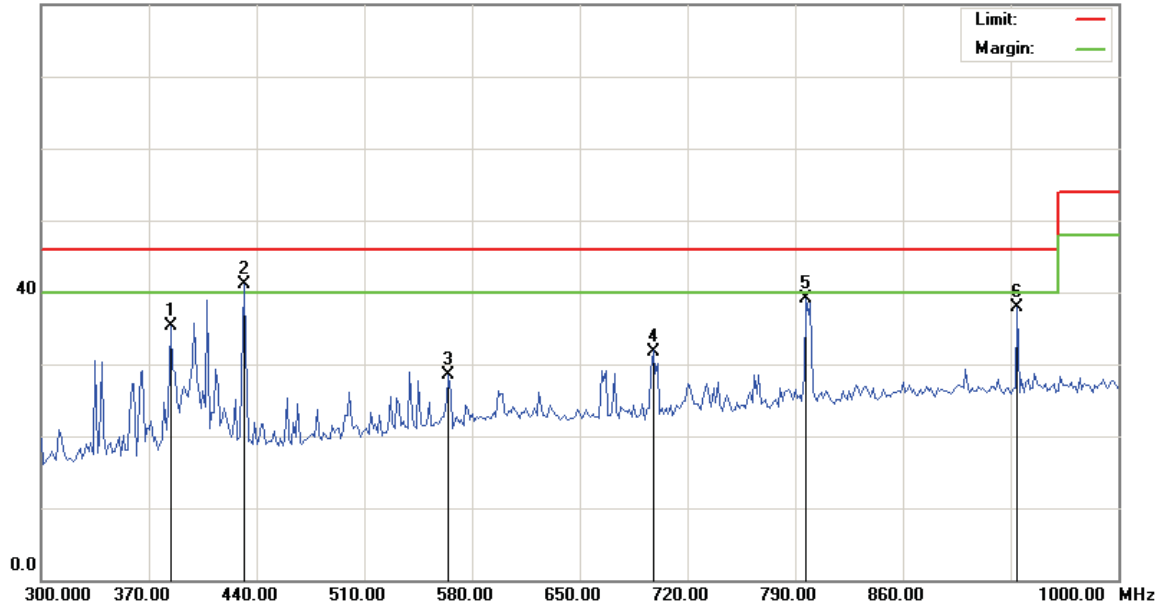
File :Colorado 111(BT+EDR)(電

Data :#4

Date: 2008/08/04

Time: 下午 06:23:20

80.0 dBuV



Site site#1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N:

Mode: BT+EDR

Note: CH00(PC)

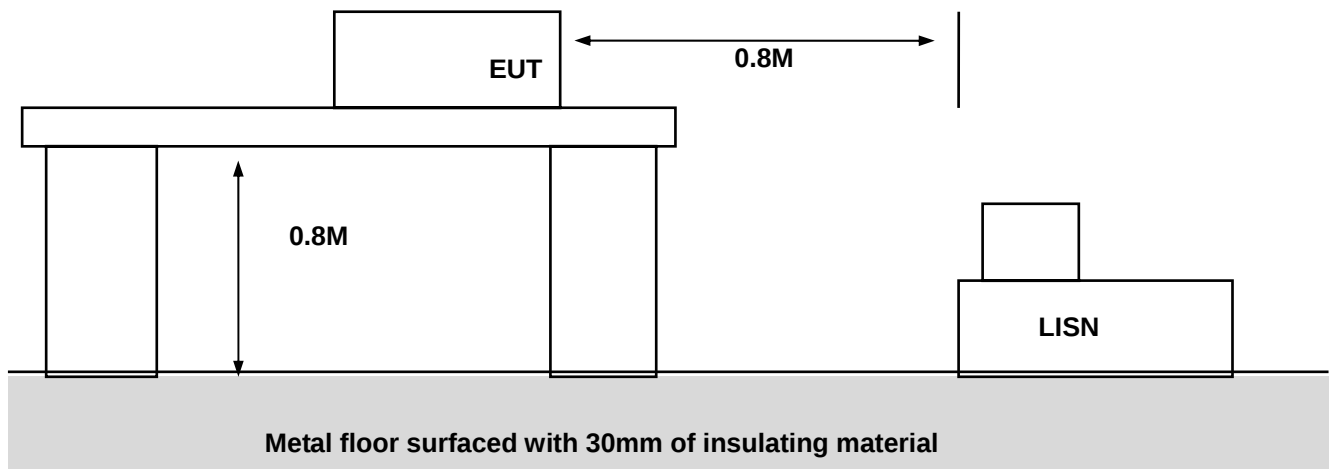
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		384.0000	43.97	-8.62	35.35	46.00	-10.65	peak		
2	*	431.6000	49.09	-8.03	41.06	46.00	-4.94	peak		
3		564.6000	34.07	-5.65	28.42	46.00	-17.58	peak		
4		697.6000	35.66	-3.86	31.80	46.00	-14.20	peak		
5		797.0000	41.51	-2.34	39.17	46.00	-6.83	peak		
6		934.2000	38.02	-0.06	37.96	46.00	-8.04	peak		

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

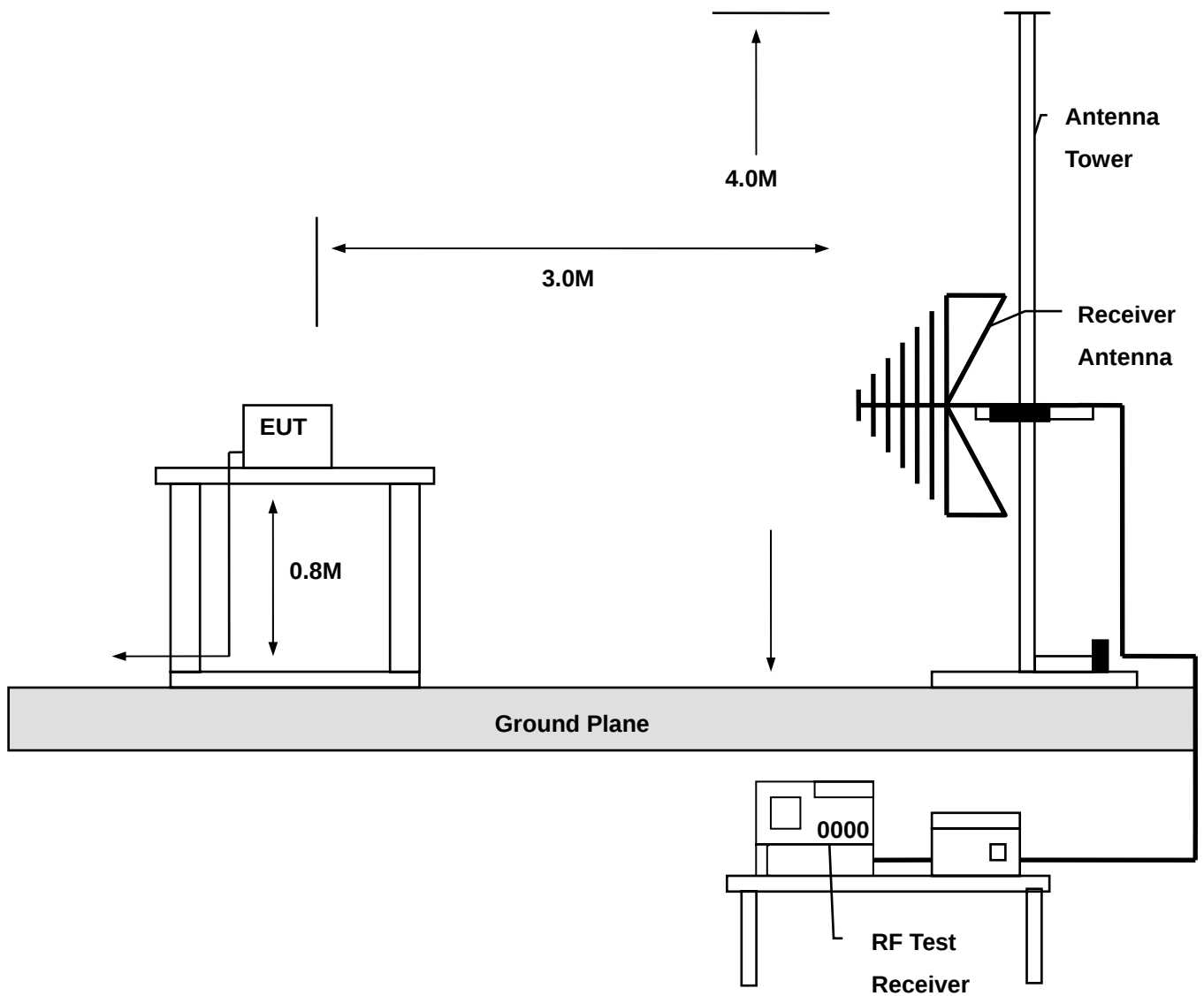
●Reference Only

Appendix A - EUT Test SETUP

MEASUREMENT OF POWER LINE CONDUCTED RFI VOLTAGE



MEASUREMENT OF RADIATED EMISSION





Appendix B - Block Diagram

See Next Page

Appendix C - EUT Photographs

EUT Photo _ 1 of 19



EUT Photo _ 2 of 19



EUT Photo _ 3 of 19



EUT Photo _ 4 of 19



EUT Photo _ 5 of 19



EUT Photo _ 6 of 19



EUT Photo _ 7 of 19



EUT Photo _ 8 of 19



EUT Photo _ 9 of 19



EUT Photo _ 10 of 19



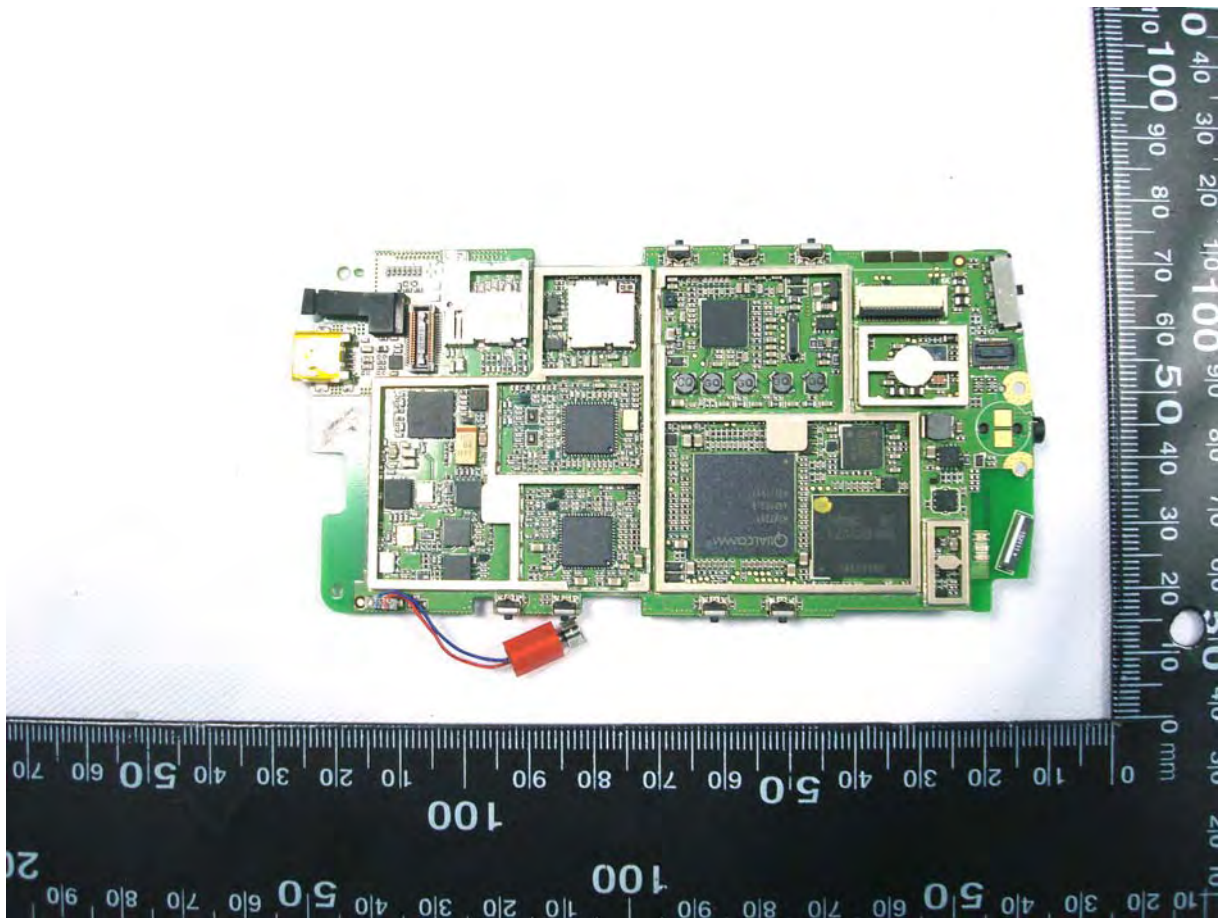
EUT Photo _ 11 of 19



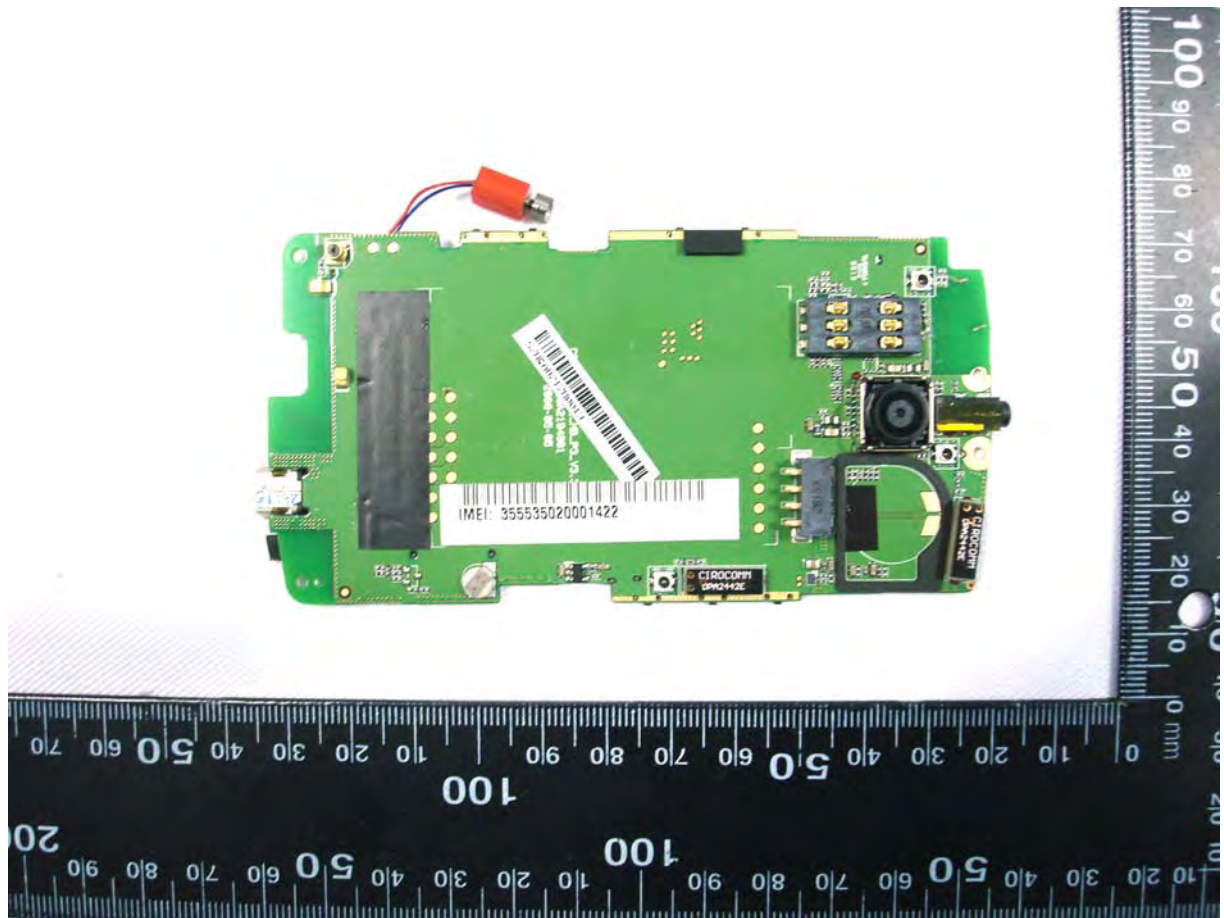
EUT Photo _ 12 of 19



EUT Photo _ 13 of 19



EUT Photo _ 14 of 19



EUT Photo _ 15 of 19



EUT Photo _ 16 of 19



EUT Photo _ 17 of 19



EUT Photo _ 18 of 19



EUT Photo _ 19 of 19

