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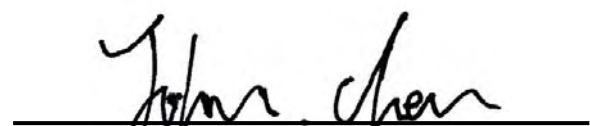
Part 15 C Measurement Report



Report No.	: 0704FR12
Applicant	: Acer Incorporated
Product Model	: c500
Product Type	: Travel Companion
FCC ID	: HLZC500
Dates of Test	: Mar.21, ~ Apr.01, 30,2007
Test Specification	: Part 15 Subpart C (15.247)
Location of Test Lab.	: Changan

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 20070418
Measurement Center Manager


John Cheng 20070418
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 C63.4:2001. 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 : Travel Companion

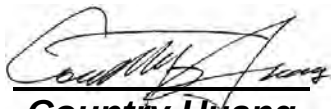
Applicant : Acer Incorporated

8F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Taipei Hsien 221,
Taiwan (R.O.C.)

Model No : c500

FCC ID : HLZC500

Approved by :


Country Huang

Prepared by :


John Cheng

A Test Lab Techno Corp.

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Contents

1. GENERAL	5
1.1 Description of Equipment under Test (EUT)	5
1.2 Introduction.....	6
1.3 Summary of Tests.....	6
1.4 Description of Support Equipment.....	7
1.5 Configuration of System under Test.....	8
1.6 Test Procedure	10
1.7 General Test Condition	10
2. Conducted Emissions Requirements	11
2.1 General & Setup:	11
2.2 Test Equipment List:	11
2.3 Test Configuration:	12
2.4 Test condition:	14
2.5 Conducted Emissions Limits:	14
2.6 Measurement Data of Conducted Emissions:	15
3. Radiated Emissions Requirements.....	33
3.1 Final radiation measurements were made on a three-meter:	33
3.2 Test Equipment List:	35
3.3 Test Configuration:	36
3.4 Test condition:	39
3.5 Radiated Emissions Limits:	39
3.6 Measurement Data of Radiated Emissions:	40
4. Maximum Conducted Output Power Requirements.....	111
4.1 Test Condition & Setup:	111
4.2 Test Instruments Configuration:	111
4.3 Test Equipment List:	112
4.4 Test Result:.....	112
4.5 Test Graphs	113
5. Minimum 6dB RF Bandwidth Requirements	117
5.1 Test Condition & Setup:	117
5.2 Test Instruments Configuration:	117
5.3 Test Equipment List:	117
5.4 Test Result:.....	118
5.5 Test Graphs	119



Contents

6. Maximum Power Density Requirements	123
6.1 Test Condition & Setup:	123
6.2 Test Instruments Configuration:	123
6.3 Test Equipment List:	124
6.4 Test Result:	124
6.5 Test Graphs	125
7. Out of Band Conducted Emissions Requirements	129
7.1 Test Condition & Setup:	129
7.2 Test Instruments Configuration:	129
7.3 Test Equipment List:	130
7.4 Test Result:	130
7.5 Test Graphs	131
8. Band Edges Requirements	161
8.1 Test Condition & Setup:	161
8.2 Test Instruments Configuration:	161
8.3 Test Equipment List:	162
8.4 Test Result:	163
9. Antenna Requirements	173
9.1 Standard Applicable:	173
9.2 Antenna Connector Construction	173
Appendix A - EUT Test SETUP	174



1. GENERAL

1.1 Description of Equipment under Test (EUT)

Applicant :

Acer Incorporated
8F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Taipei Hsien 221, Taiwan (R.O.C.)

Product Model : c500
Product Type : Travel Companion
FCC ID : HLZC500
Battery Type : Powered by Bettery (3.7V Li-ion Battery Pack)
Model No.: BA-1405106 (DC3.7V / 1200mAh)
Model No.: BA-1405206 (DC3.7V / 2600mAh)
Battery Model No.: BA-1405106 test data compare with BA-1405206, so the BA-1405106 is worse case in test. Record the worst case in the report.

Frequency of Channel : See Table 1
Type of Modulation : Direct Sequence Spread Spectrum
Type of Antenna : Internal Type

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 **Acer Incorporated**. In support of a Class B Digital Device certification in accordance with Part 2 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

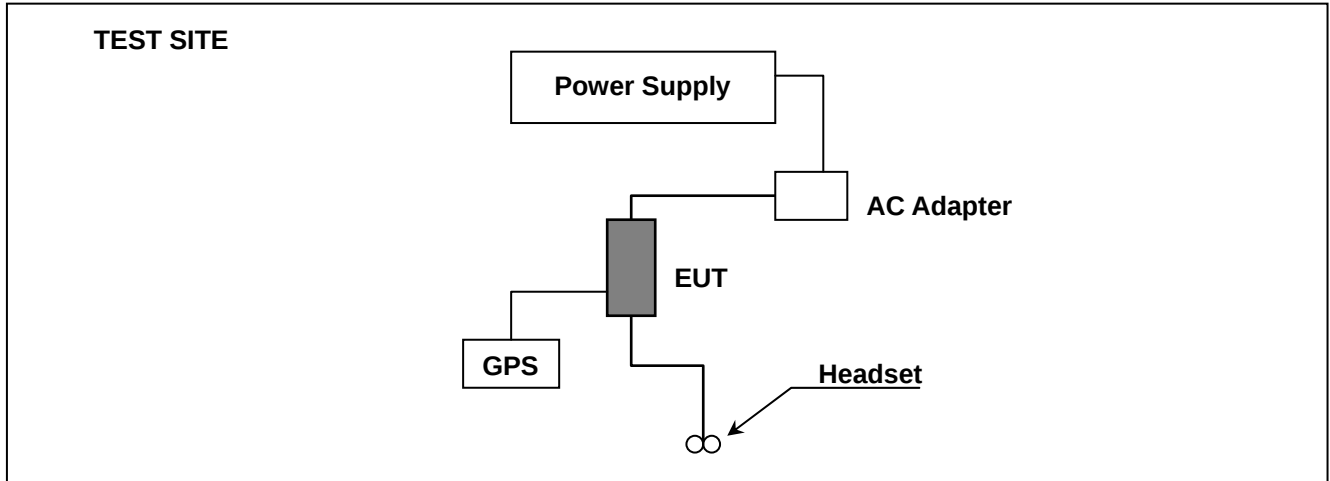


Figure 1. Configuration of System Under Test for AC Adapter

During testing (LINK & Stand by Mode) the EUT (Travel Companion)'s GPS antenna port was connected to GPS antenna. EUT (Travel Companion)'s Earphone jack connected to Headset. EUT (Travel Companion)'s mini USB port connected to AC Adapter or Car Charger and Turn on GPS Receiver.

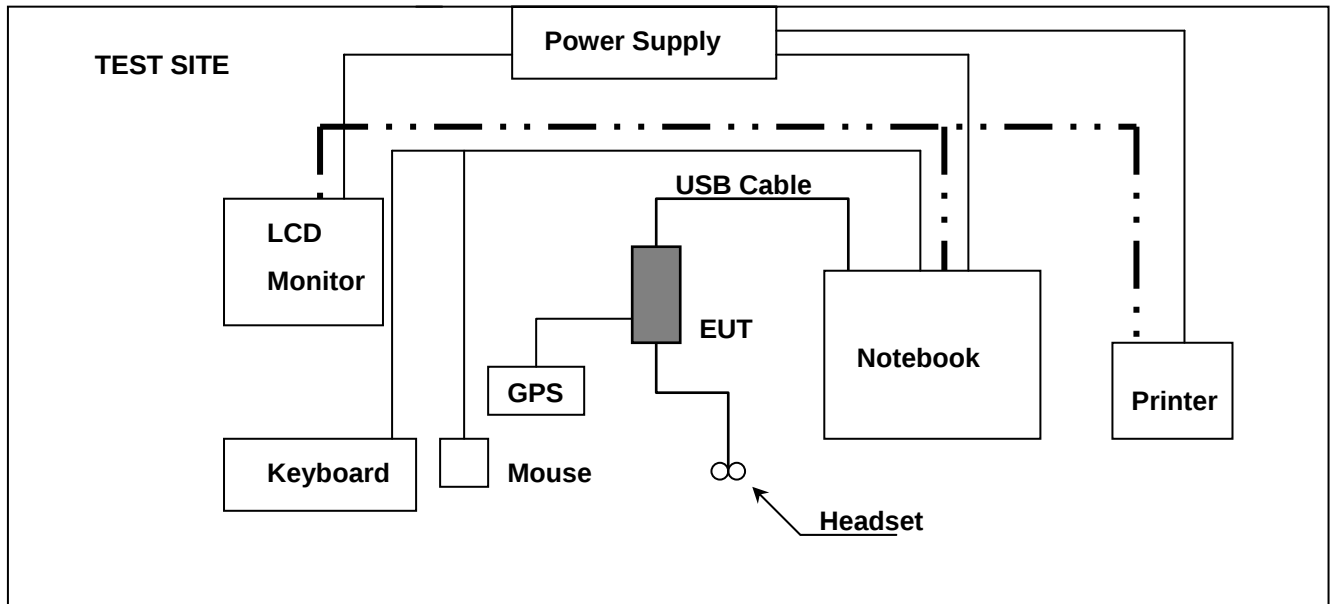


Figure 2. Configuration of System Under Test for PC USB Link

During testing (LINK & Stand by Mode) the EUT (Travel Companion)'s GPS antenna port was connected to GPS antenna and Turn on GPS Receiver. EUT (Travel Companion)'s Earphone jack connected to headset. EUT (Travel Companion)'s mini USB port connected to AE's Notebook.

A mouse was connected to the USB port of Notebook. And a keyboard & printer were connected to the USB ports of Notebook. An external LCD monitor connected the VGA port on AE' Notebook.



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. 23, 2007	Mar. 23, 2008
Test Receiver	R&S	ESCI	100367	May. 03, 2006	May. 02, 2007
LISN	EMCO	3816/2 SH	00060110	May. 03, 2006	May. 02, 2007
LISN	EMCO	3816/2 SH	00060110	May. 03, 2006	May. 02, 2007
Transient Limiter	ELECTRO-METRICS	EM-7600	777	Jun. 26, 2006	Jun. 26, 2007

2.3 Test Configuration:

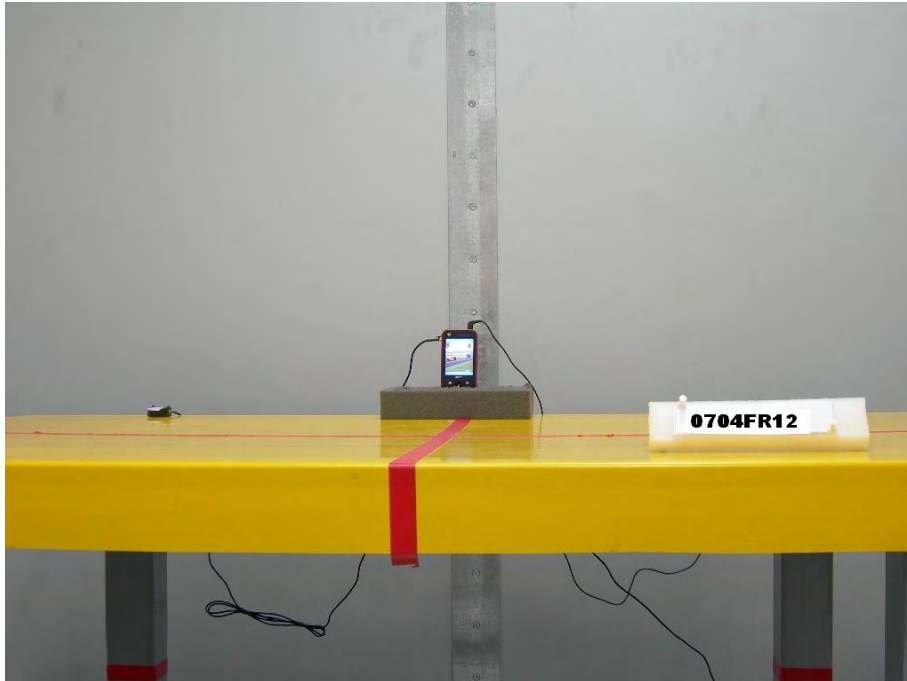


Figure 3. Front View of the Test Configuration (AC Adapter)

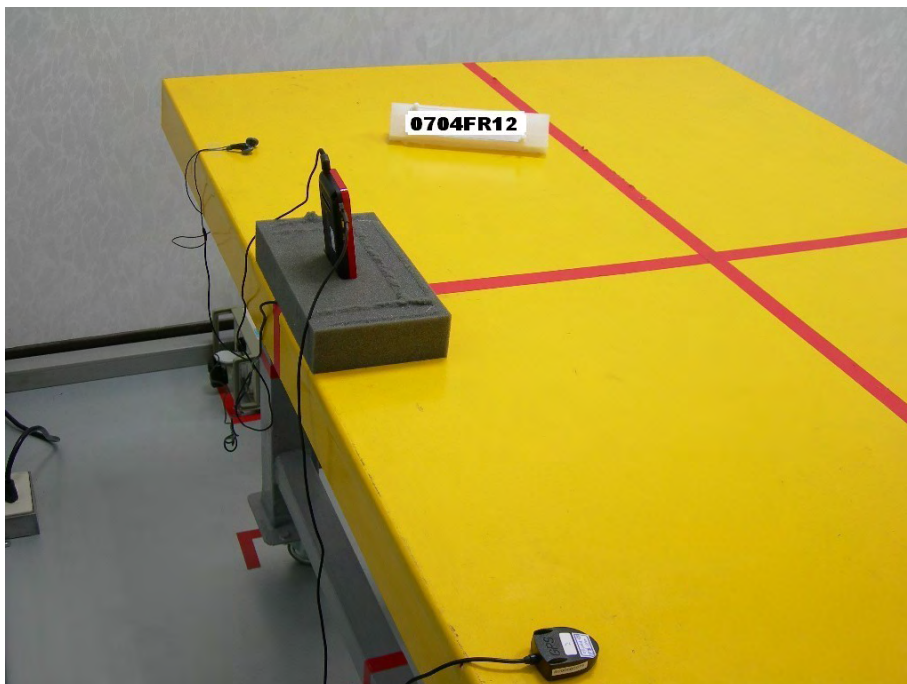


Figure 4. Rear View of the Test Configuration (AC Adapter)



Figure 5. Front View of the Test Configuration (PC USB Link)

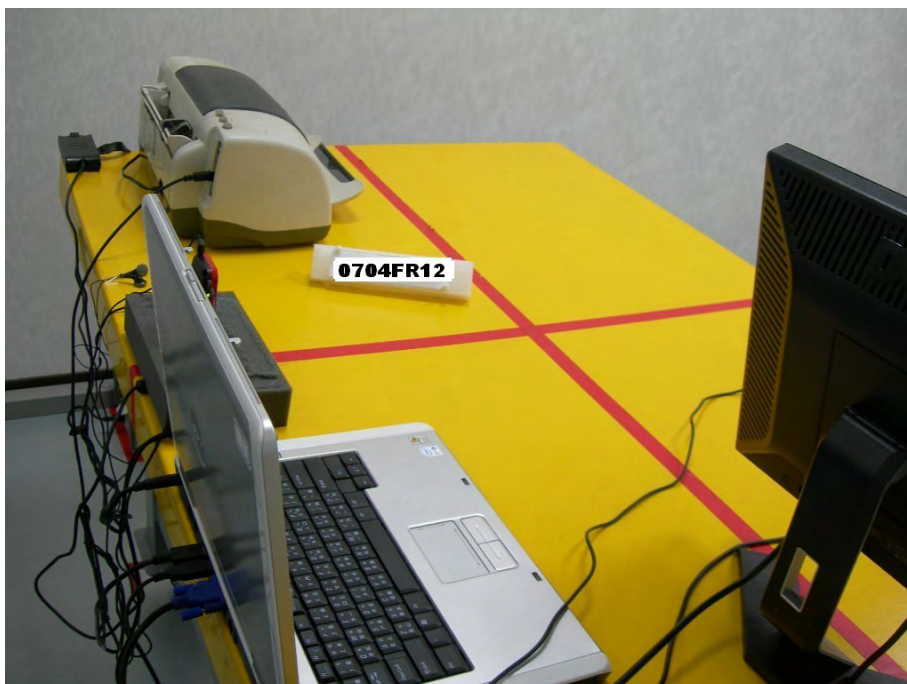


Figure 6. Rear View of the Test Configuration (PC USB Link)



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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : AC Adapter _ Stand by
Test Date : 03/21/2007
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.



Conducted Emission Measurement

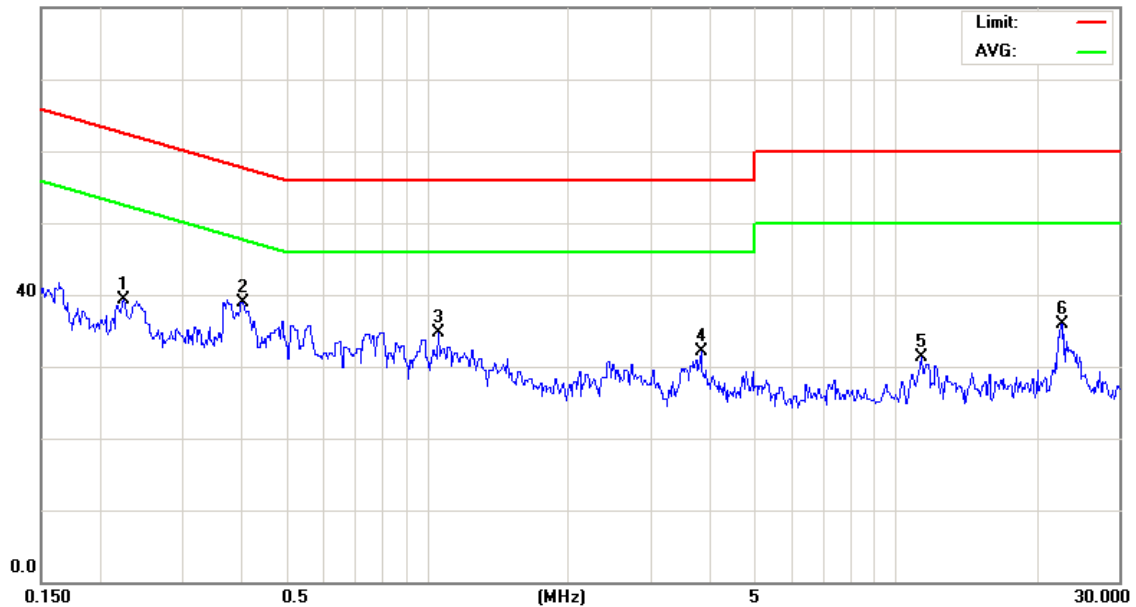
File :C500 110V conducted(stan

Data :#1

Date: 2007/3/21

Time: 上午 11:45:32

80.0 dBuV



Site Site #1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PHONE

M/N: c500

Mode: stand by

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2249	29.53	9.74	39.27	62.63	-23.36	peak	
2	*	0.4020	29.12	9.78	38.90	57.81	-18.91	peak	
3		1.0580	24.97	9.80	34.77	56.00	-21.23	peak	
4		3.8300	22.17	9.95	32.12	56.00	-23.88	peak	
5		11.3500	21.20	10.12	31.32	60.00	-28.68	peak	
6		22.5500	25.51	10.31	35.82	60.00	-24.18	peak	

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

●Reference Only



Conducted Emission Measurement

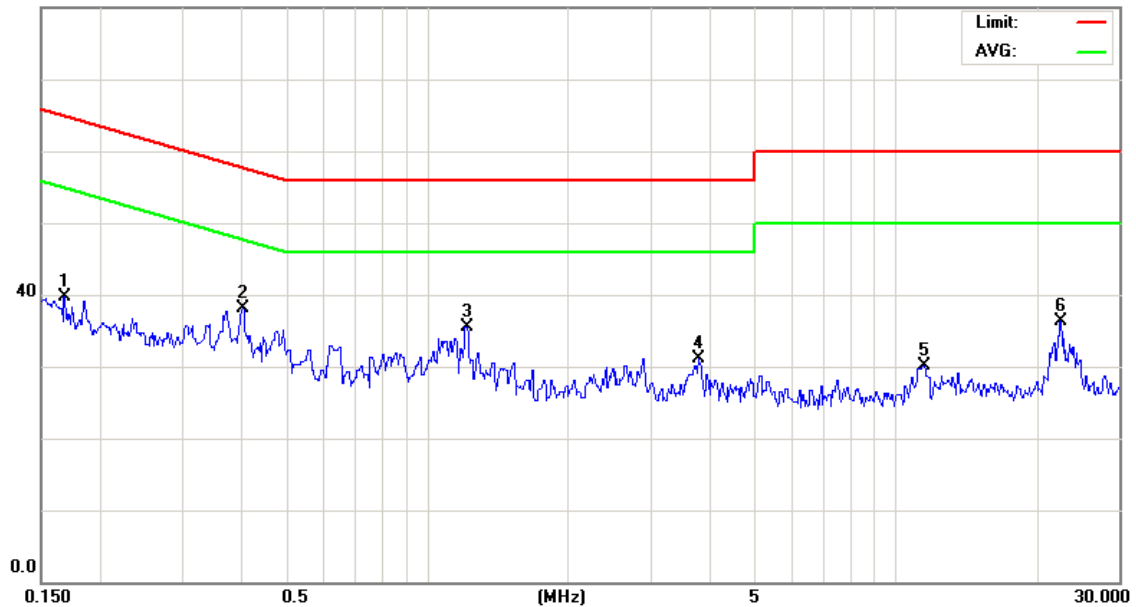
File :C500 110V conducted(stan

Data :#2

Date: 2007/3/21

Time: 上午 11:47:47

80.0 dBuV



Site Site #1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PHONE

M/N: c500

Mode: stand by

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1682	30.00	9.73	39.73	65.04	-25.31	peak	
2	*	0.4027	28.25	9.78	38.03	57.80	-19.77	peak	
3		1.2109	25.63	9.81	35.44	56.00	-20.56	peak	
4		3.7940	21.12	9.95	31.07	56.00	-24.93	peak	
5		11.4500	20.07	10.12	30.19	60.00	-29.81	peak	
6		22.4500	26.04	10.32	36.36	60.00	-23.64	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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : PC USB LINK _ Stand by
Test Date : 04/01/2007

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.



Conducted Emission Measurement

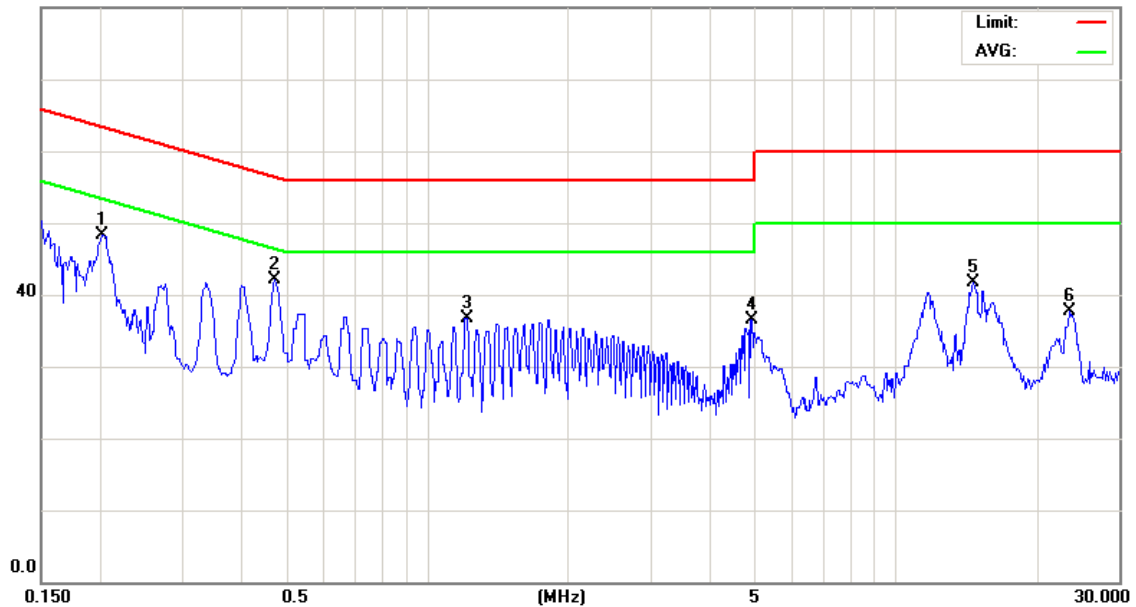
File :C500(04-01-2007)

Data :#1

Date: 2007-04-01

Time: 下午 03:11:46

80.0 dBuV



Site Site #1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

M/N: c500

Mode: Stand by

Note: PC LINK

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2025	38.61	9.74	48.35	63.50	-15.15	peak	
2	*	0.4712	32.38	9.78	42.16	56.49	-14.33	peak	
3		1.2109	26.88	9.81	36.69	56.00	-19.31	peak	
4		4.9009	26.41	10.06	36.47	56.00	-19.53	peak	
5		14.5998	31.45	10.20	41.65	60.00	-18.35	peak	
6		23.5000	27.38	10.34	37.72	60.00	-22.28	peak	

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

●Reference Only



Conducted Emission Measurement

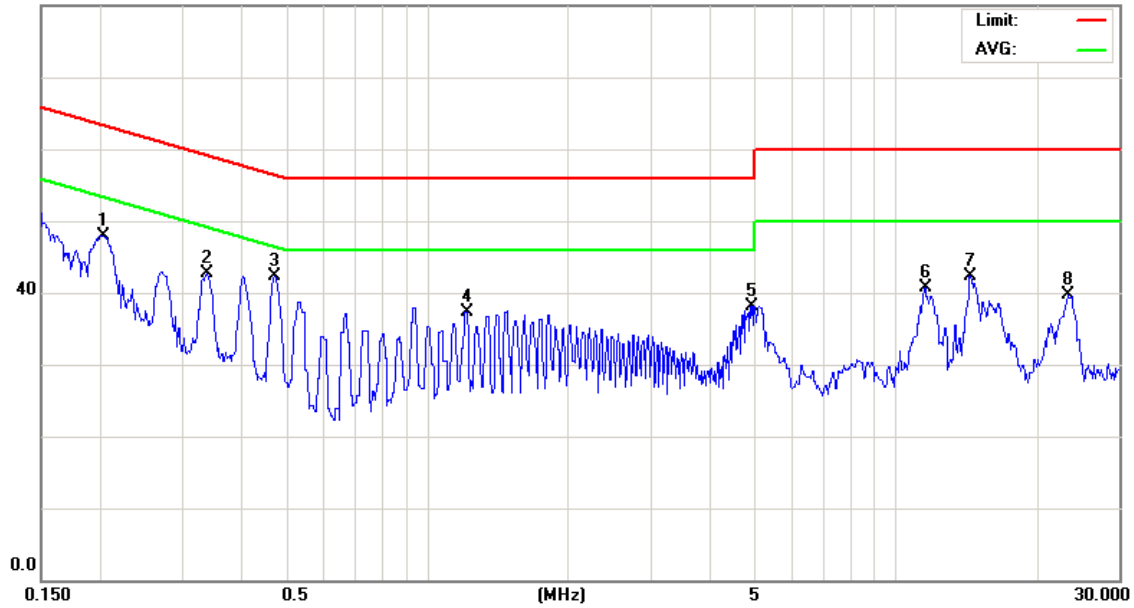
File :C500(04-01-2007)

Data :#2

Date: 2007-04-01

Time: 下午 03:13:25

80.0 dBuV



Site Site #1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

M/N: c500

Mode: Stand by

Note: PC LINK

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2031	38.19	9.74	47.93	63.48	-15.55	peak	
2		0.3382	32.87	9.78	42.65	59.25	-16.60	peak	
3	*	0.4717	32.59	9.78	42.37	56.48	-14.11	peak	
4		1.2109	27.58	9.81	37.39	56.00	-18.61	peak	
5		4.9009	28.09	10.06	38.15	56.00	-17.85	peak	
6		11.5000	30.55	10.12	40.67	60.00	-19.33	peak	
7		14.4000	32.09	10.20	42.29	60.00	-17.71	peak	
8		23.3000	29.39	10.36	39.75	60.00	-20.25	peak	

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

●Reference Only



2.6.3 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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : AC Adapter _ 802.11b CH1 (2412MHz)
Test Date : 03/21/2007

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.



Conducted Emission Measurement

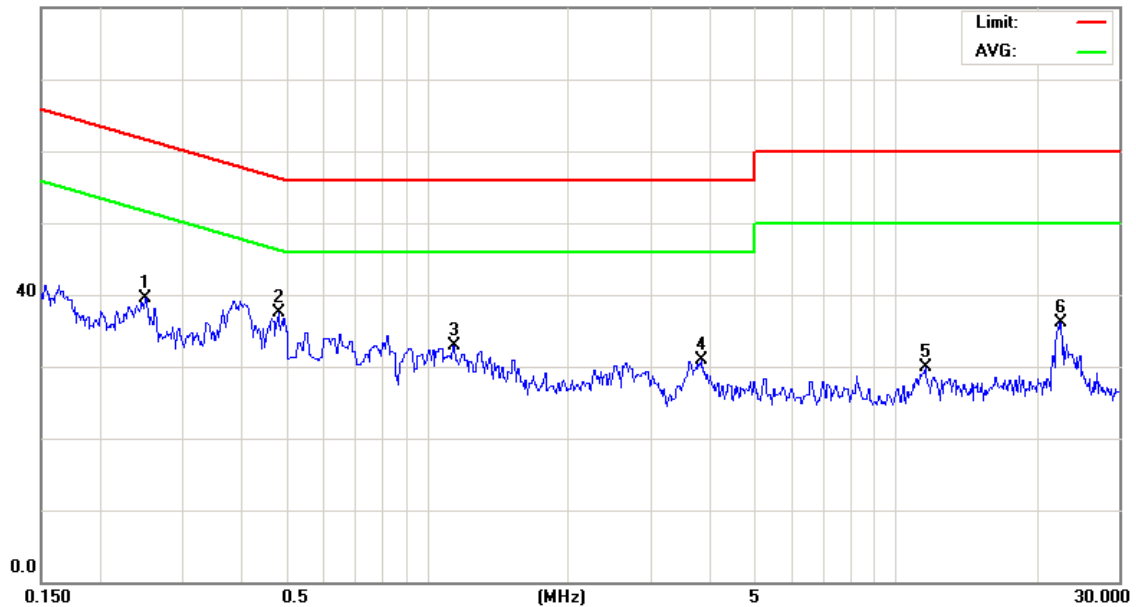
File :C500 110V conducted

Data :#1

Date: 2007/3/21

Time: 下午 12:07:29

80.0 dBuV



Site Site #1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PHONE

M/N: C500

Mode: 11b

Note: CH01

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2508	29.84	9.75	39.59	61.73	-22.14	peak	
2	*	0.4797	27.74	9.78	37.52	56.34	-18.82	peak	
3		1.1390	23.14	9.80	32.94	56.00	-23.06	peak	
4		3.8570	21.02	9.95	30.97	56.00	-25.03	peak	
5		11.5500	19.74	10.12	29.86	60.00	-30.14	peak	
6		22.4500	25.82	10.32	36.14	60.00	-23.86	peak	

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

●Reference Only



Conducted Emission Measurement

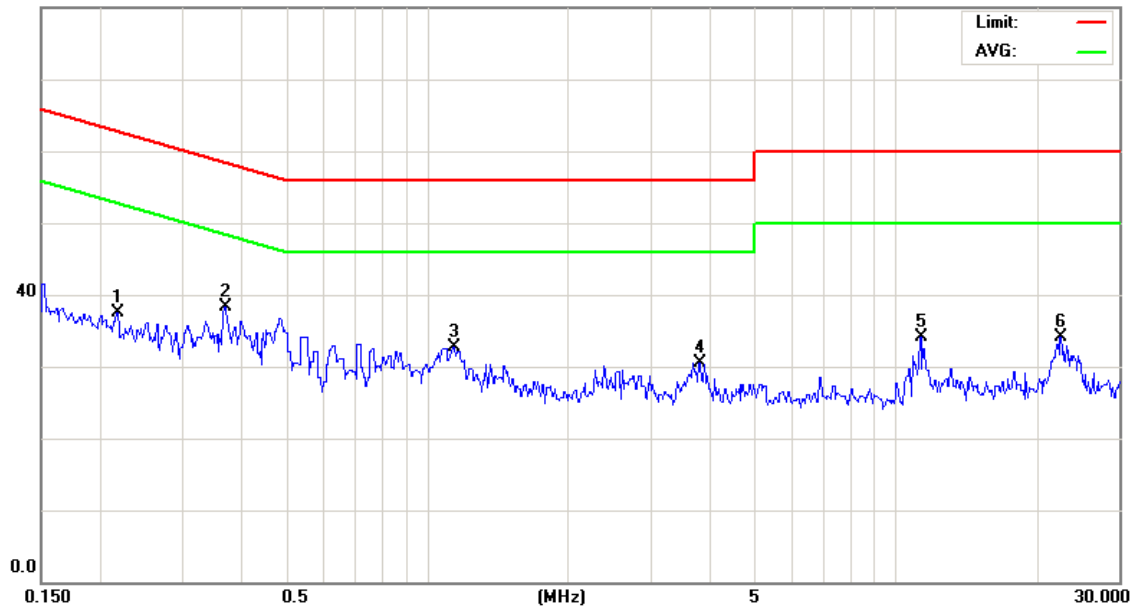
File :C500 110V conducted

Data :#2

Date: 2007/3/21

Time: 下午 12:09:40

80.0 dBuV



Site Site #1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PHONE

M/N: C500

Mode: 11b

Note: CH01

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2179	27.84	9.74	37.58	62.89	-25.31	peak	
2	*	0.3704	28.45	9.78	38.23	58.49	-20.26	peak	
3		1.1390	22.95	9.80	32.75	56.00	-23.25	peak	
4		3.8030	20.62	9.95	30.57	56.00	-25.43	peak	
5		11.3000	23.99	10.11	34.10	60.00	-25.90	peak	
6		22.4500	23.74	10.32	34.06	60.00	-25.94	peak	

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

●Reference Only



2.6.4 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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : PC USB Link _ 802.11b CH1 (2412MHz)
Test Date : 04/01/2007

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.



Conducted Emission Measurement

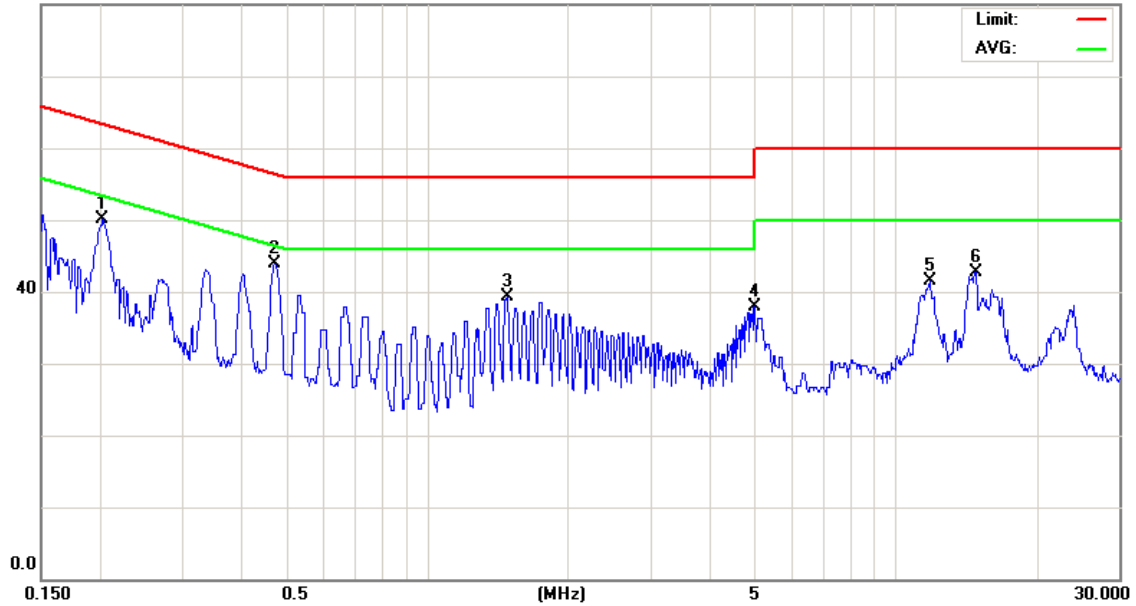
File :C500(04-01-2007)

Data :#3

Date: 2007-04-01

Time: 下午 03:20:21

80.0 dBuV



Site Site #1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

M/N: C500

Mode: 11b-CH01

Note: PC LINK

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2025	40.33	9.74	50.07	63.50	-13.43	peak	
2	*	0.4702	34.05	9.78	43.83	56.51	-12.68	peak	
3		1.4809	29.46	9.81	39.27	56.00	-16.73	peak	
4		5.0000	27.87	10.08	37.95	56.00	-18.05	peak	
5		11.8498	31.41	10.13	41.54	60.00	-18.46	peak	
6		14.7500	32.47	10.20	42.67	60.00	-17.33	peak	

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

●Reference Only



Conducted Emission Measurement

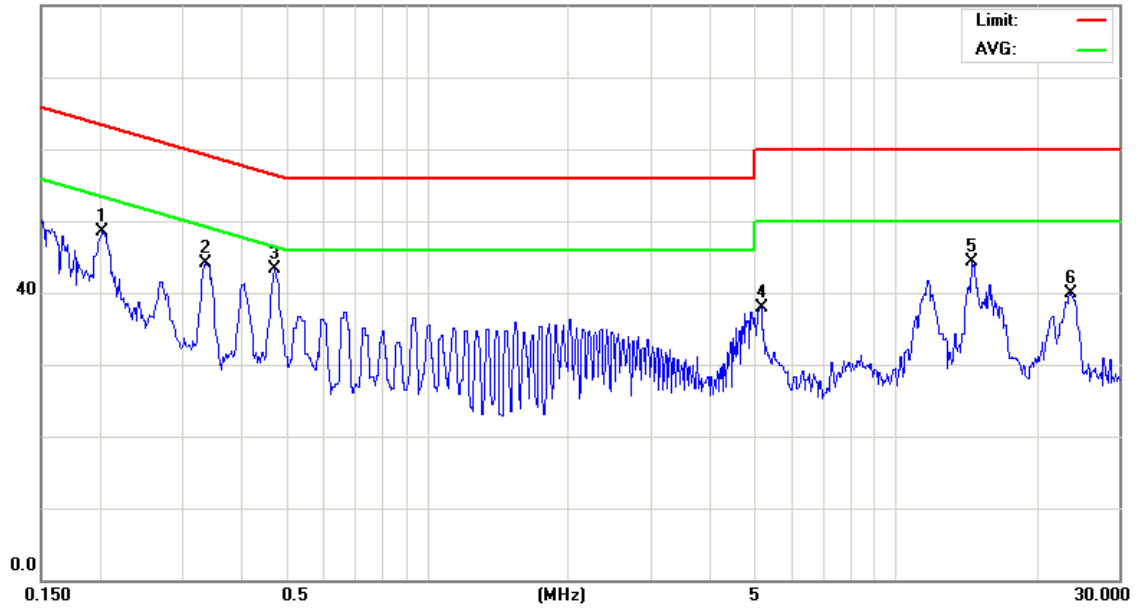
File :C500(04-01-2007)

Data :#4

Date: 2007-04-01

Time: 下午 03:22:46

80.0 dBuV



Site Site #1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

M/N: C500

Mode: 11b-CH01

Note: PC LINK

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2025	38.81	9.74	48.55	63.50	-14.95	peak	
2		0.3351	34.23	9.78	44.01	59.32	-15.31	peak	
3	*	0.4712	33.57	9.78	43.35	56.49	-13.14	peak	
4		5.1497	27.89	10.07	37.96	60.00	-22.04	peak	
5		14.5000	34.13	10.20	44.33	60.00	-15.67	peak	
6		23.6000	29.55	10.33	39.88	60.00	-20.12	peak	

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

●Reference Only



2.6.5 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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : AC Adapter _ 802.11g CH1 (2412MHz)
Test Date : 03/21/2007

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.



Conducted Emission Measurement

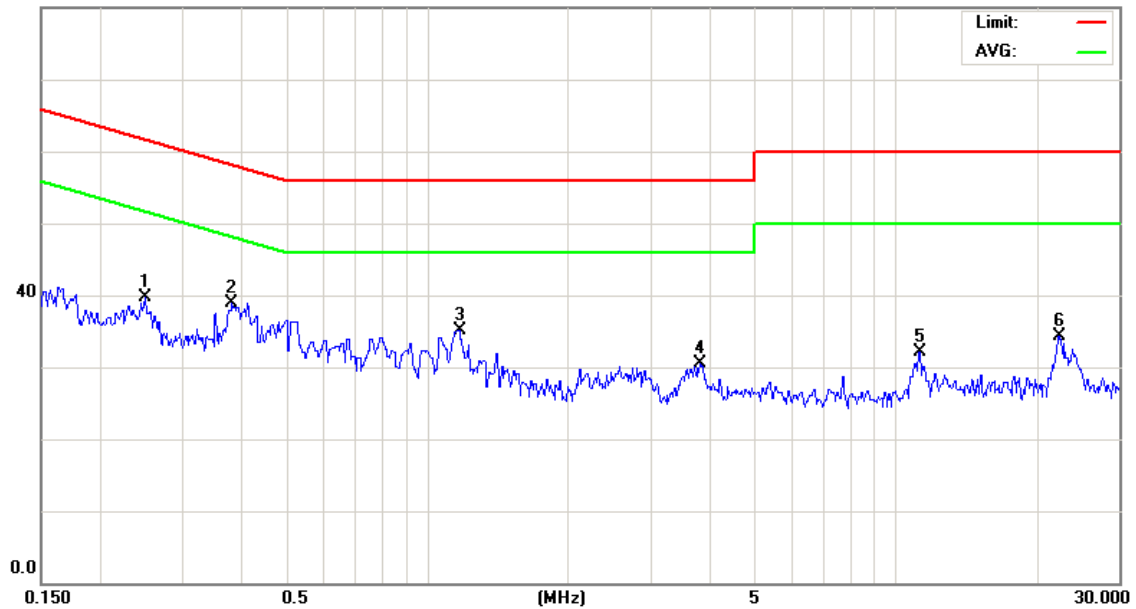
File :C500 110V conducted

Data :#1

Date: 2007/03/21

Time: 下午 12:24:32

80.0 dBuV



Site Site #1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PHONE

M/N: C500

Mode: 11g

Note: CH01

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.2494	30.05	9.75	39.80	61.77	-21.97	peak	
2	*	0.3831	29.21	9.78	38.99	58.21	-19.22	peak	
3		1.1660	25.37	9.80	35.17	56.00	-20.83	peak	
4		3.8120	20.48	9.95	30.43	56.00	-25.57	peak	
5		11.2000	22.07	10.11	32.18	60.00	-27.82	peak	
6		22.2000	24.04	10.34	34.38	60.00	-25.62	peak	

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

●Reference Only



Conducted Emission Measurement

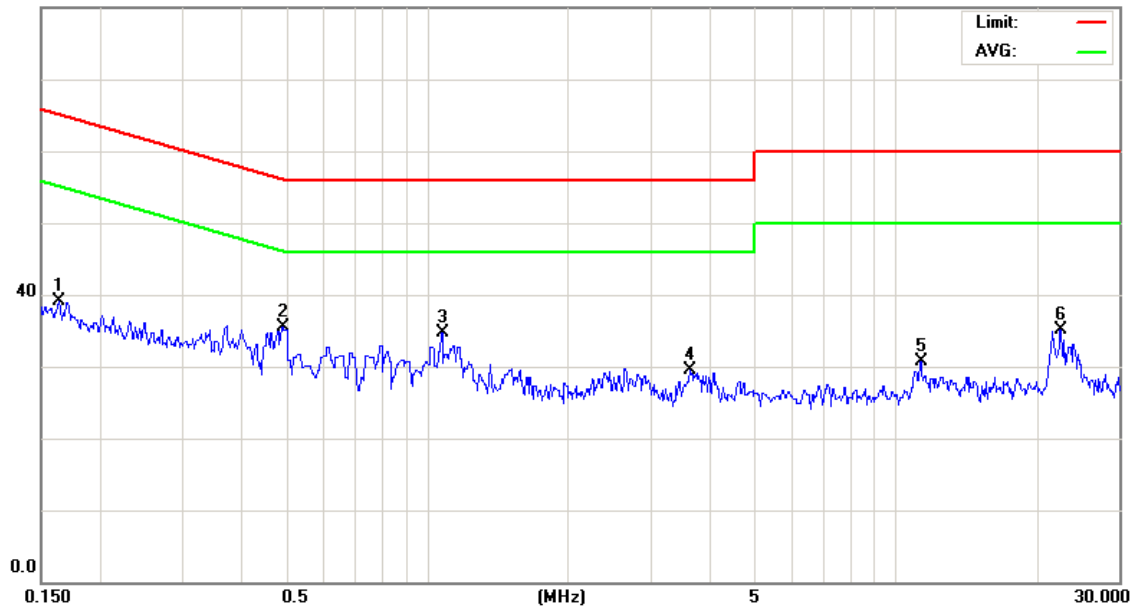
File :C500 110V conducted

Data :#2

Date: 2007/03/21

Time: 下午 12:25:42

80.0 dBuV



Site Site #1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PHONE

M/N: C500

Mode: 11g

Note: CH01

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1633	29.32	9.73	39.05	65.29	-26.24	peak	
2	*	0.4895	25.80	9.78	35.58	56.18	-20.60	peak	
3		1.0760	24.99	9.80	34.79	56.00	-21.21	peak	
4		3.6410	19.48	9.93	29.41	56.00	-26.59	peak	
5		11.3000	20.56	10.11	30.67	60.00	-29.33	peak	
6		22.4500	24.70	10.32	35.02	60.00	-24.98	peak	

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

●Reference Only



2.6.6 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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : PC USB Link _ 802.11g CH1 (2412MHz)
Test Date : 04/01/2007

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.



Conducted Emission Measurement

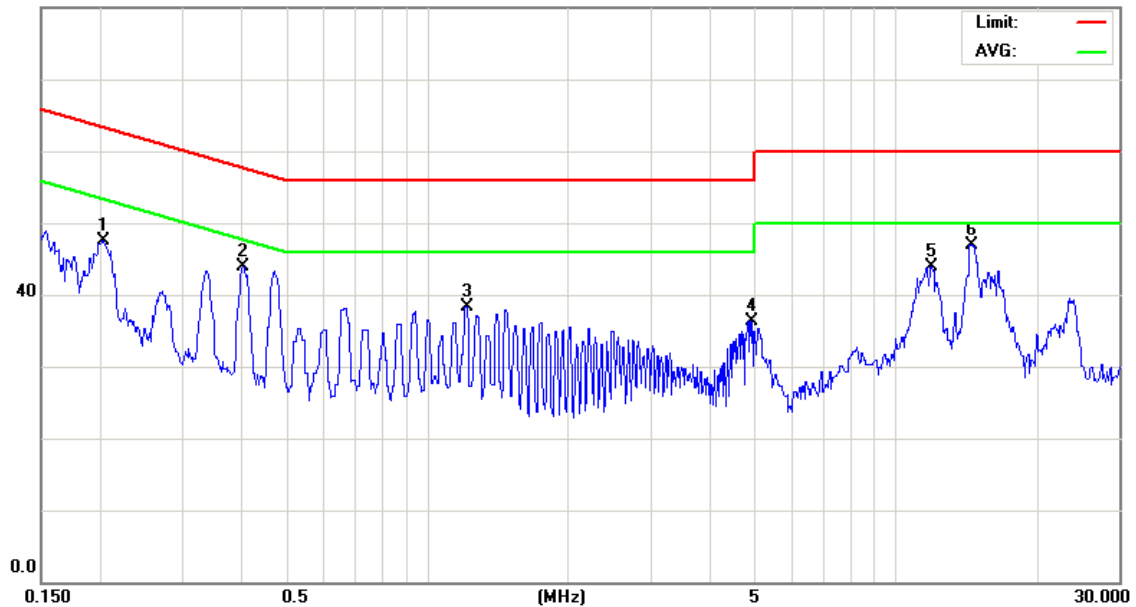
File :C500(04-01-2007)

Data :#5

Date: 2007-04-01

Time: 下午 03:24:48

80.0 dBuV



Site Site #1

Phase: **L1**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

M/N: C500

Mode: 11g-CH01

Note: PC LINK

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2031	37.67	9.74	47.41	63.48	-16.07	peak	
2		0.4040	34.13	9.78	43.91	57.77	-13.86	peak	
3		1.2109	28.43	9.81	38.24	56.00	-17.76	peak	
4		4.9009	26.32	10.06	36.38	56.00	-19.62	peak	
5		11.9000	33.72	10.13	43.85	60.00	-16.15	peak	
6	*	14.5000	36.76	10.20	46.96	60.00	-13.04	peak	

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

●Reference Only



Conducted Emission Measurement

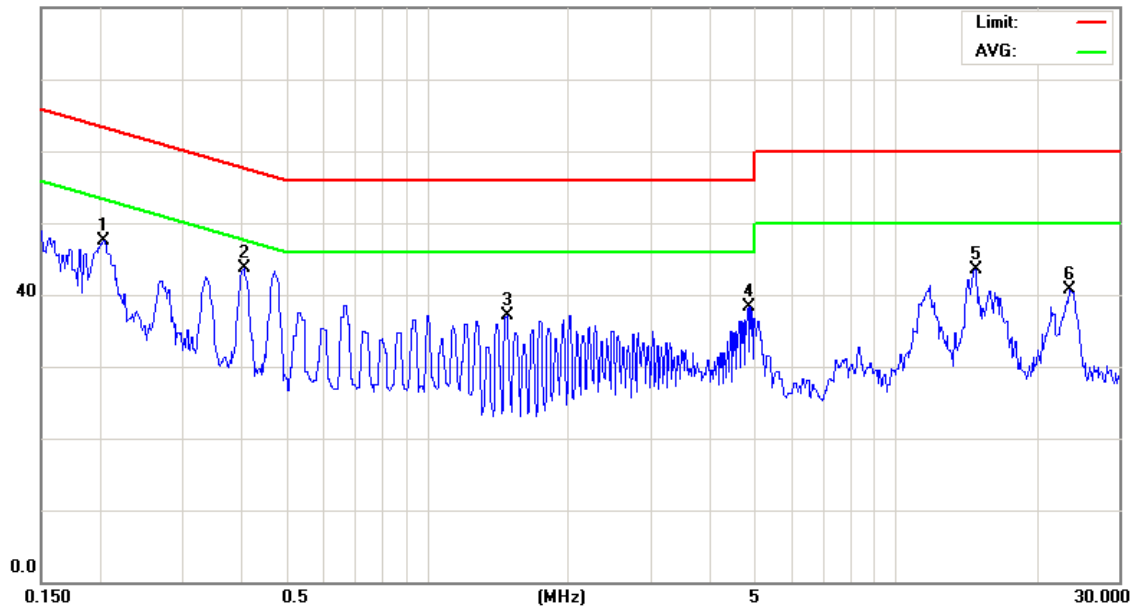
File :C500(04-01-2007)

Data :#6

Date: 2007-04-01

Time: 下午 03:26:19

80.0 dBuV



Site Site #1

Phase: **L2**

Temperature: 26 °C

Limit: CISPR22 Class B Conduction(QP)

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

M/N: C500

Mode: 11g-CH01

Note: PC LINK

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.2038	37.81	9.74	47.55	63.45	-15.90	peak	
2	*	0.4047	33.86	9.78	43.64	57.76	-14.12	peak	
3		1.4809	27.25	9.81	37.06	56.00	-18.94	peak	
4		4.8379	28.32	10.03	38.35	56.00	-17.65	peak	
5		14.7500	33.35	10.20	43.55	60.00	-16.45	peak	
6		23.5000	30.27	10.34	40.61	60.00	-19.39	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 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	Apr. 27, 2006	Apr. 26, 2007
Pre Amplifier	Agilent	8449B	3008A02237	May. 03, 2006	May. 02, 2007
Pre Amplifier	Agilent	8447D	2944A10961	Aug. 07, 2006	Aug. 07, 2007
Test Receiver	R&S	ESCI	100367	May. 03, 2006	May. 02, 2007
Biconilog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	Jun. 26, 2006	Jun. 25, 2007
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	Jun. 26, 2006	Jun. 25, 2007
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	May. 02, 2006	May. 01, 2007
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120E	0899	Jul. 29, 2006	Jul. 29, 2007

3.3 Test Configuration:



Figure 7. Front View of the Test Configuration



Figure 8. Rear View of the Test Configuration

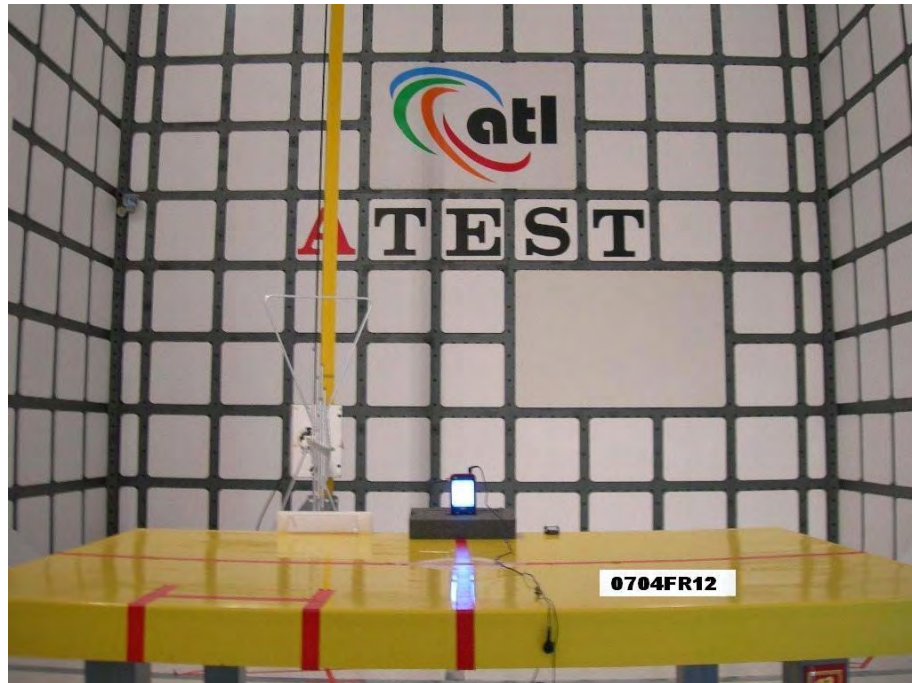


Figure 9. Front View of the Test Configuration

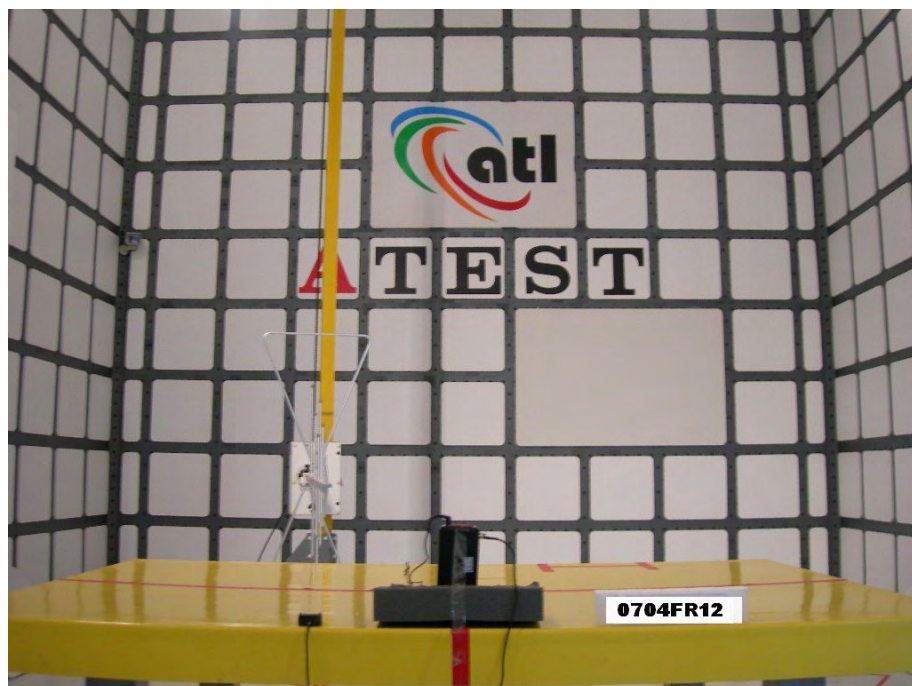


Figure 10. Rear View of the Test Configuration



Figure 11. Front View of the Test Configuration



Figure 12. 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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : Run H & EMI testing software
Test Date : 03/20/2007

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



Radiated Emission Measurement

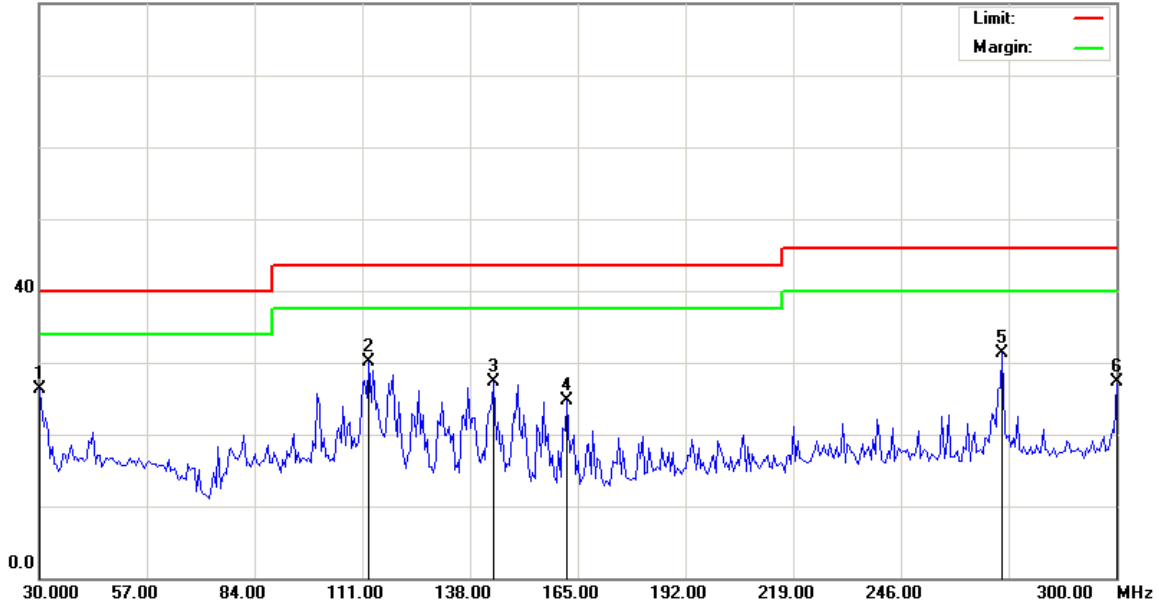
File :C500(03-20-2007)(GPS)

Data :#5

Date: 2007/03/20

Time: 下午 09:22:17

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: C500

Mode:

Note: Run H & EMI testing software

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		30.0000	39.76	-13.49	26.27	40.00	-13.73	peak		
2	*	112.6200	43.06	-12.94	30.12	43.50	-13.38	peak		
3		143.9399	43.49	-16.22	27.27	43.50	-16.23	peak		
4		162.3000	40.04	-15.40	24.64	43.50	-18.86	peak		
5		271.3798	42.18	-10.90	31.28	46.00	-14.72	peak		
6		300.0000	37.38	-9.98	27.40	46.00	-18.60	peak		

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

●Reference Only



Radiated Emission Measurement

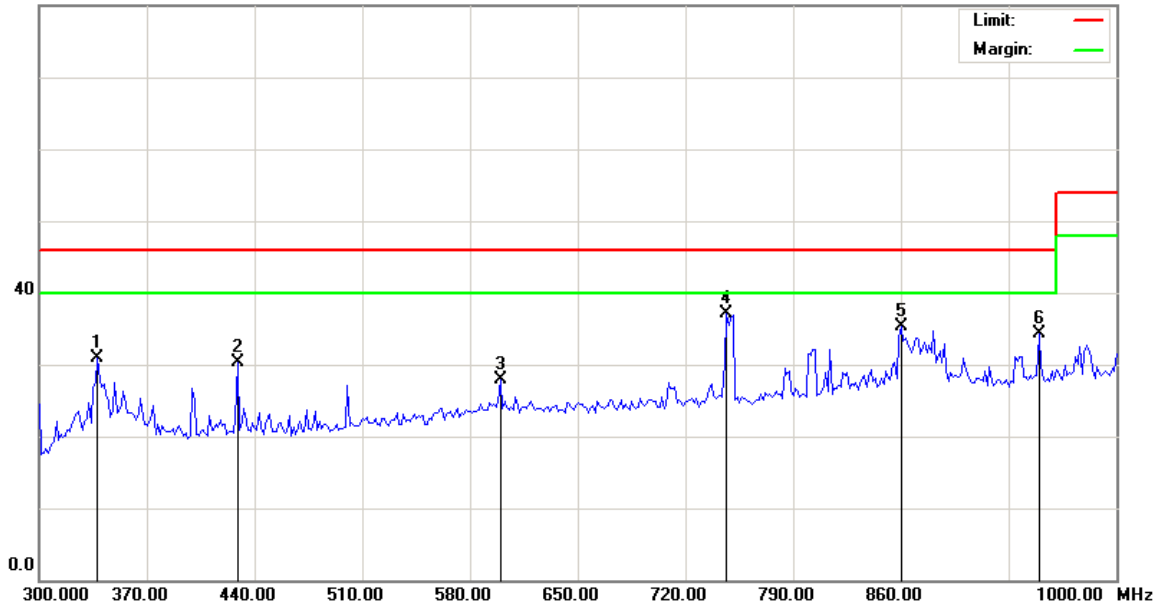
File :C500(03-20-2007)(GPS)

Data :#6

Date: 2007/03/20

Time: 下午 09:26:32

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: C500

Mode:

Note: Run H & EMI testing software

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		337.8000	40.00	-9.09	30.91	46.00	-15.09	peak		
2		428.8000	38.33	-8.05	30.28	46.00	-15.72	peak		
3		599.6000	32.82	-4.91	27.91	46.00	-18.09	peak		
4	*	746.6000	40.18	-3.11	37.07	46.00	-8.93	peak		
5		860.0000	36.35	-1.03	35.32	46.00	-10.68	peak		
6		949.6000	34.16	0.21	34.37	46.00	-11.63	peak		

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

●Reference Only



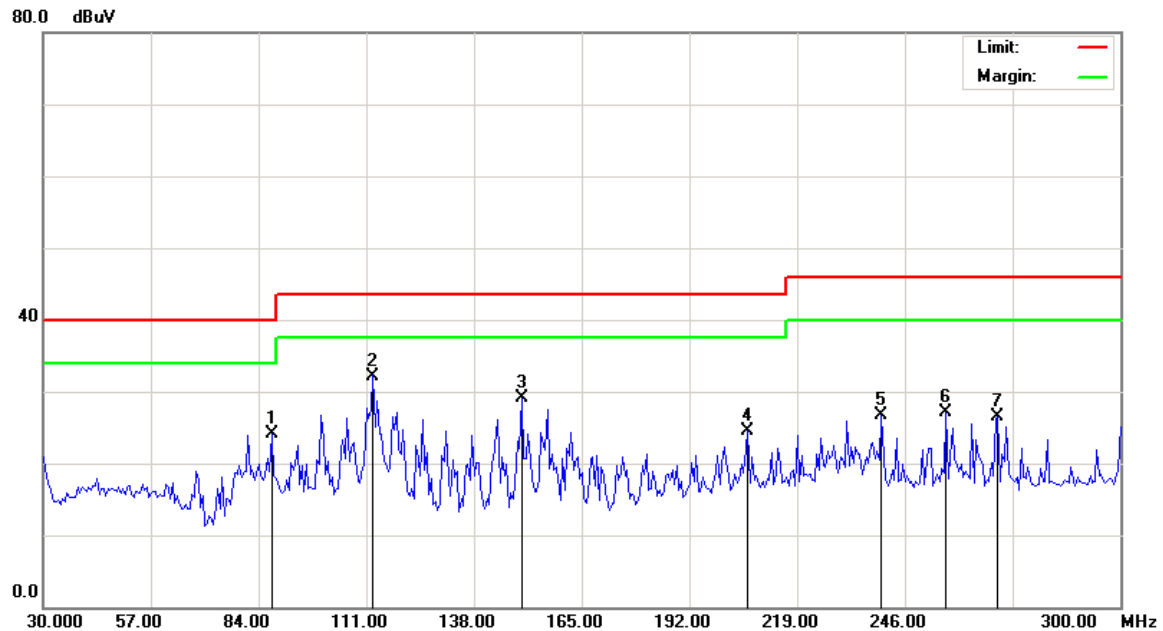
Radiated Emission Measurement

File :C500(03-20-2007)(GPS)

Data :#7

Date: 2007/03/20

Time: 下午 09:30:47



Site Site #1

Polarization: Horizontal

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: C500

Mode:

Note: Run H & EMI testing software

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		87.2399	38.22	-14.04	24.18	40.00	-15.82	peak		
2	*	112.6200	45.14	-12.94	32.20	43.50	-11.30	peak		
3		149.8799	45.09	-16.01	29.08	43.50	-14.42	peak		
4		206.5800	37.39	-12.96	24.43	43.50	-19.07	peak		
5		240.0600	38.18	-11.43	26.75	46.00	-19.25	peak		
6		256.2599	38.19	-11.17	27.02	46.00	-18.98	peak		
7		269.2200	37.39	-10.94	26.45	46.00	-19.55	peak		

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

●Reference Only



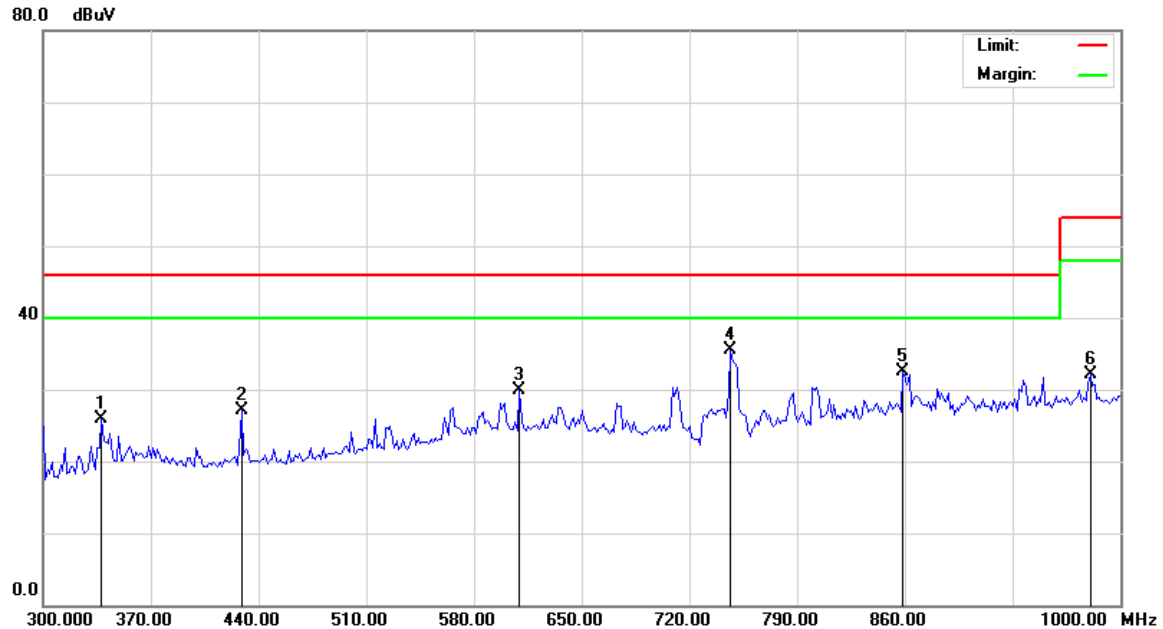
Radiated Emission Measurement

File :C500(03-20-2007)(GPS)

Data :#8

Date: 2007/03/20

Time: 下午 09:35:03



Site Site #1

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT:

Distance: 3m

M/N: C500

Mode:

Note: Run H & EMI testing software

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		337.8000	35.01	-9.09	25.92	46.00	-20.08	peak		
2		428.8000	35.22	-8.05	27.17	46.00	-18.83	peak		
3		609.4000	34.51	-4.61	29.90	46.00	-16.10	peak		
4	*	746.6000	38.58	-3.11	35.47	46.00	-10.53	peak		
5		858.6000	33.60	-1.12	32.48	46.00	-13.52	peak		
6		980.4000	31.56	0.45	32.01	54.00	-21.99	peak		

*: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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11b CH1 2412.000 (Local Frequency: 2412.000 MHz)
Test Date : 03/21 ~ 03/27/2007

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 ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



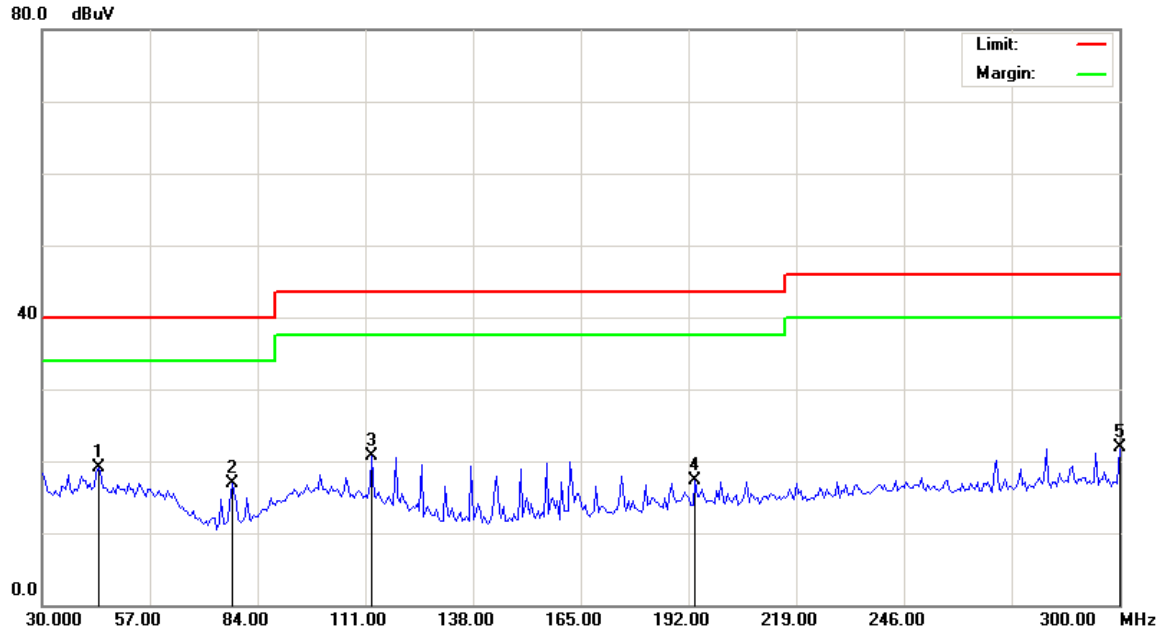
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#1

Date: 2007/03/21

Time: 下午 07:36:38



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1	*	44.0399	30.87	-11.84	19.03	40.00	-20.97	peak	
2		77.5199	33.83	-16.85	16.98	40.00	-23.02	peak	
3		112.6200	33.65	-12.95	20.70	43.50	-22.80	peak	
4		193.6200	30.52	-13.17	17.35	43.50	-26.15	peak	
5		300.0000	31.90	-9.98	21.92	46.00	-24.08	peak	

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

●Reference Only



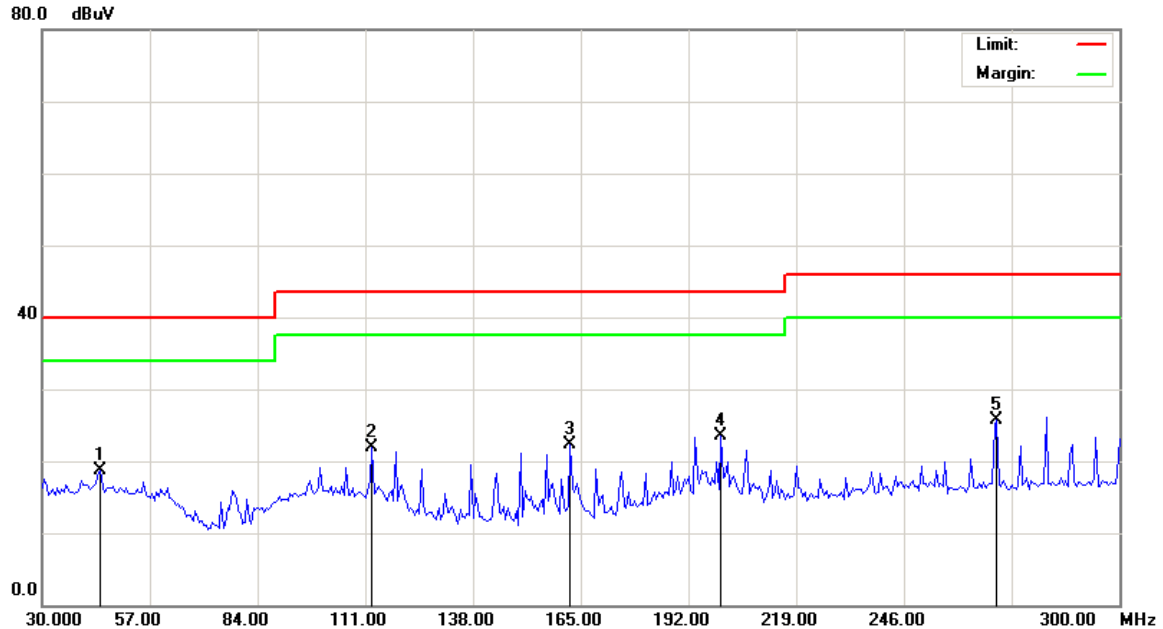
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#3

Date: 2007/03/21

Time: 下午 07:45:08



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1		44.5799	30.45	-11.83	18.62	40.00	-21.38	peak	
2		112.6200	34.91	-12.95	21.96	43.50	-21.54	peak	
3		162.3000	37.78	-15.40	22.38	43.50	-21.12	peak	
4	*	200.0999	36.76	-13.18	23.58	43.50	-19.92	peak	
5		269.2200	36.73	-10.95	25.78	46.00	-20.22	peak	

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

●Reference Only



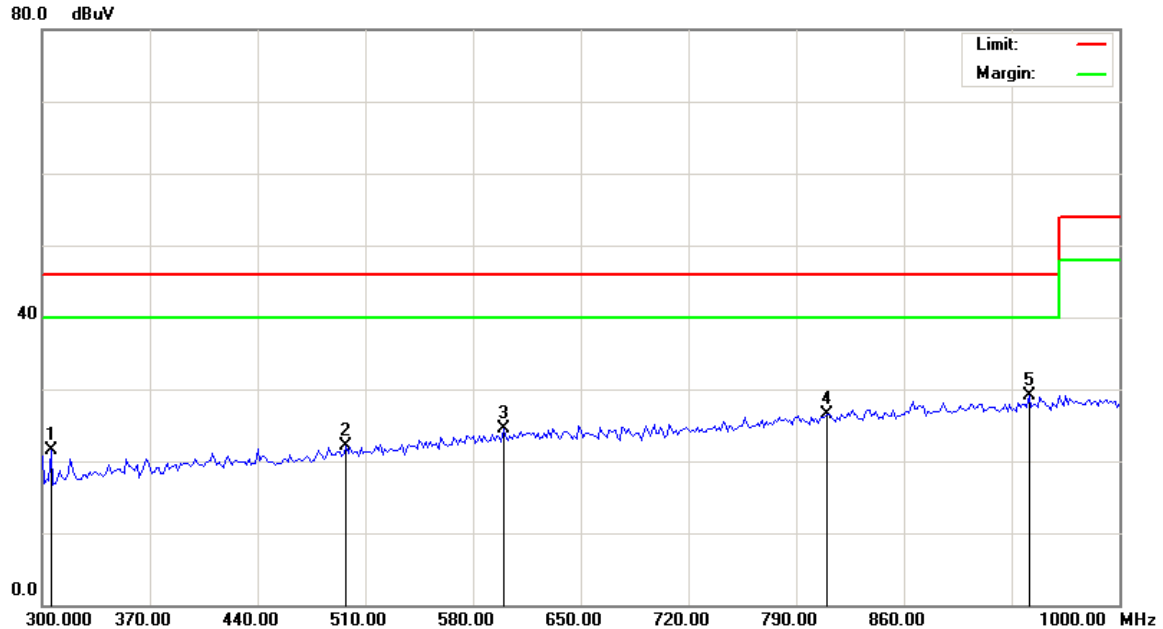
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#2

Date: 2007/03/21

Time: 下午 07:40:53



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1		305.6000	31.51	-10.10	21.41	46.00	-24.59	peak	
2		497.3999	29.20	-7.12	22.08	46.00	-23.92	peak	
3		599.6000	29.43	-4.91	24.52	46.00	-21.48	peak	
4		809.6000	28.31	-1.73	26.58	46.00	-19.42	peak	
5	*	941.2000	28.80	0.28	29.08	46.00	-16.92	peak	

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

●Reference Only



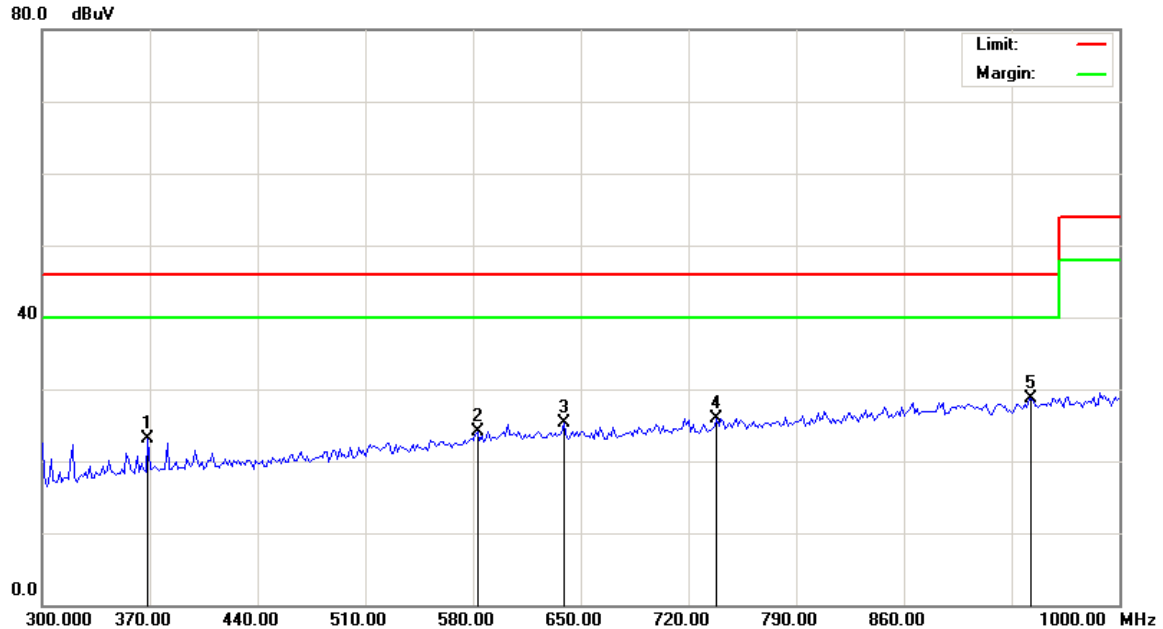
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#4

Date: 2007/03/21

Time: 下午 07:49:25



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1		368.6000	31.84	-8.70	23.14	46.00	-22.86	peak	
2		582.8000	29.28	-5.15	24.13	46.00	-21.87	peak	
3		638.8000	29.68	-4.43	25.25	46.00	-20.75	peak	
4		738.2000	29.25	-3.28	25.97	46.00	-20.03	peak	
5	*	942.6000	28.50	0.27	28.77	46.00	-17.23	peak	

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

●Reference Only



Radiated Emission Measurement

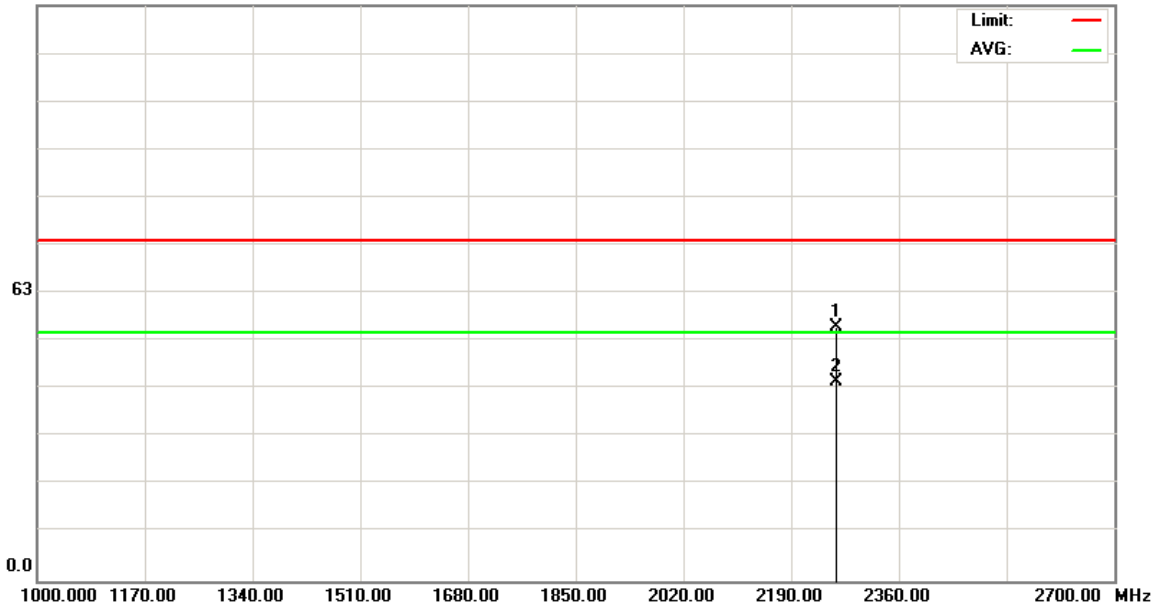
File :C500(03-21-2007)CH01

Data :#1

Date: 2007/03/21

Time: 下午 12:19:35

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2261.400	54.56	0.45	55.01	74.00	-18.99	peak	
2	*	2261.400	42.69	0.45	43.14	54.00	-10.86	AVG	

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

●Reference Only



Radiated Emission Measurement

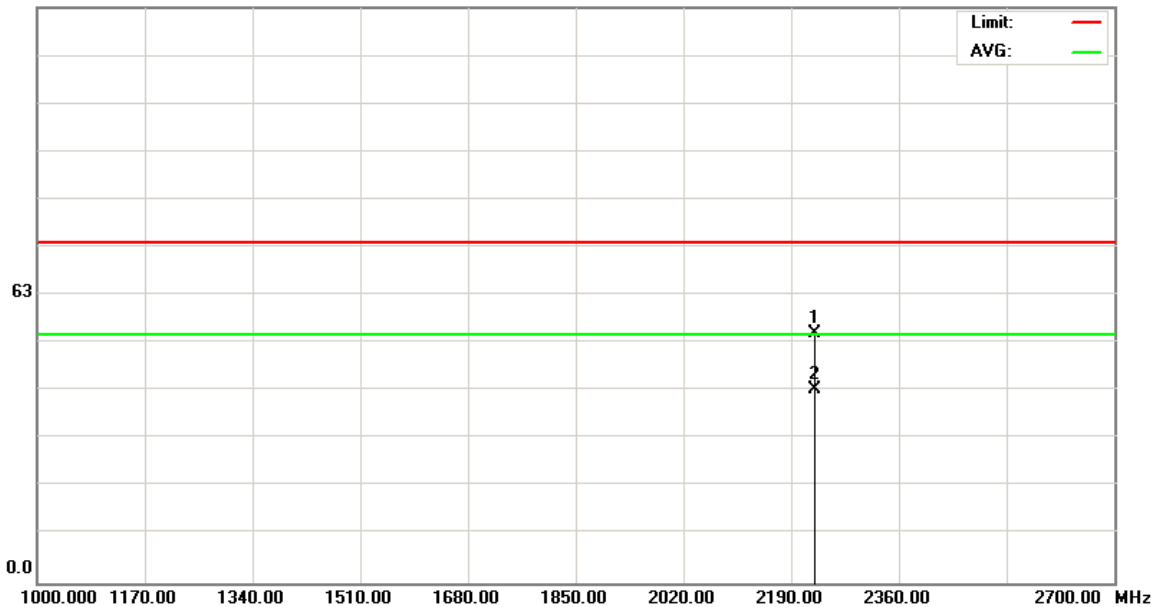
File :C500(03-21-2007)CH01

Data :#3

Date: 2007/03/21

Time: 下午 01:47:12

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2227.400	53.78	0.43	54.21	74.00	-19.79	peak	
2	*	2227.400	41.75	0.43	42.18	54.00	-11.82	AVG	

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

●Reference Only



Radiated Emission Measurement

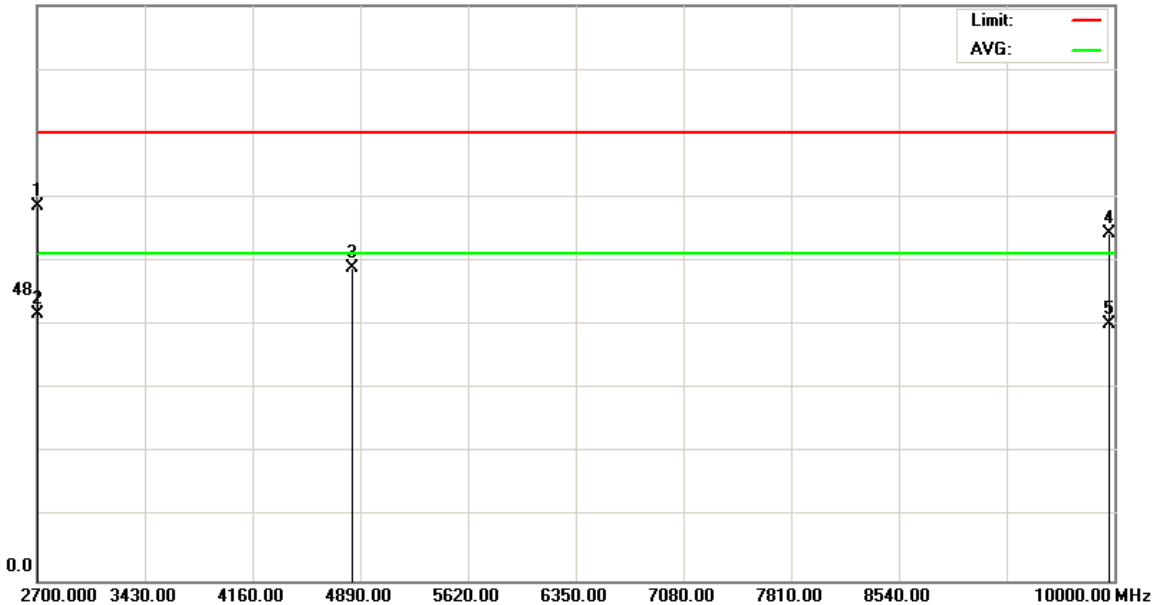
File :C500(03-21-2007)CH01

Data :#5

Date: 2007/03/21

Time: 下午 02:34:34

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

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	Comment
1		2700.000	39.33	22.58	61.91	74.00	-12.09	peak	
2	*	2700.000	21.55	22.58	44.13	54.00	-9.87	AVG	
3		4835.250	44.13	7.61	51.74	74.00	-22.26	peak	
4		9963.500	39.44	17.82	57.26	74.00	-16.74	peak	
5		9963.500	24.68	17.82	42.50	54.00	-11.50	AVG	

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

●Reference Only



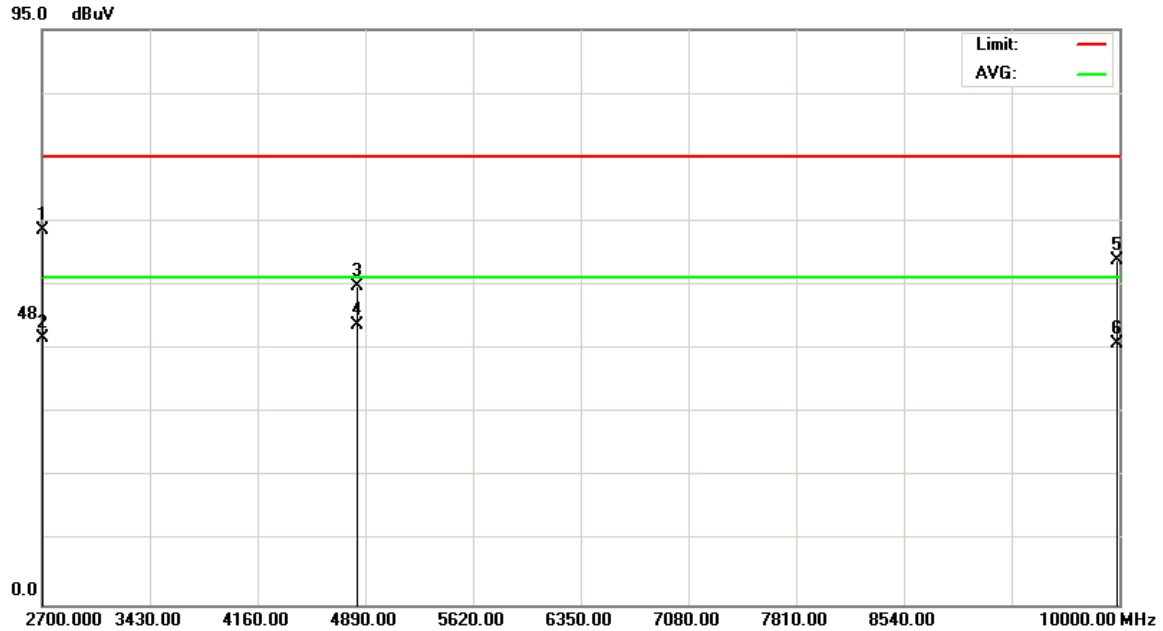
Radiated Emission Measurement

File :C500(03-21-2007)CH01

Data :#7

Date: 2007/03/21

Time: 下午 03:30:27



Site 966半電波暗室

Polarization: Horizontal

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)

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	Comment
1		2700.000	39.36	22.58	61.94	74.00	-12.06	peak	
2		2700.000	21.59	22.58	44.17	54.00	-9.83	AVG	
3		4835.250	45.07	7.61	52.68	74.00	-21.32	peak	
4	*	4835.250	38.65	7.61	46.26	54.00	-7.74	AVG	
5		9981.750	39.00	17.88	56.88	74.00	-17.12	peak	
6		9981.750	25.25	17.88	43.13	54.00	-10.87	AVG	

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

●Reference Only



Radiated Emission Measurement

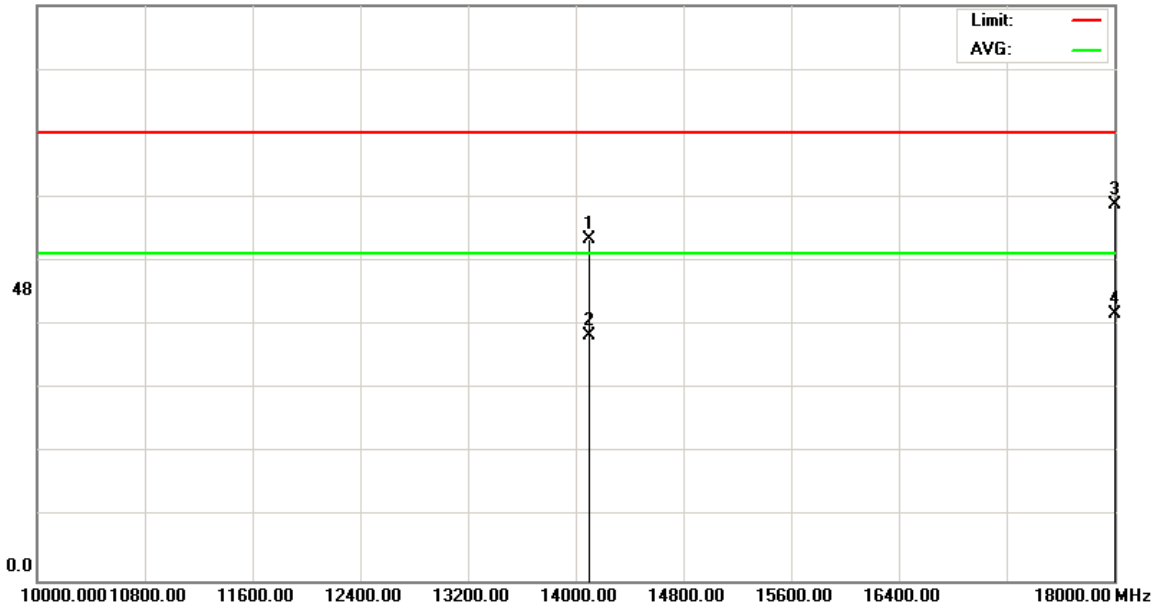
File :C500(03-21-2007)CH01

Data :#9

Date: 2007/03/27

Time: 上午 10:21:53

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14100.00	37.46	18.90	56.36	74.00	-17.64	peak	
2		14100.00	21.50	18.90	40.40	54.00	-13.60	AVG	
3		18000.00	36.59	25.57	62.16	74.00	-11.84	peak	
4	*	18000.00	18.46	25.57	44.03	54.00	-9.97	AVG	

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

●Reference Only



Radiated Emission Measurement

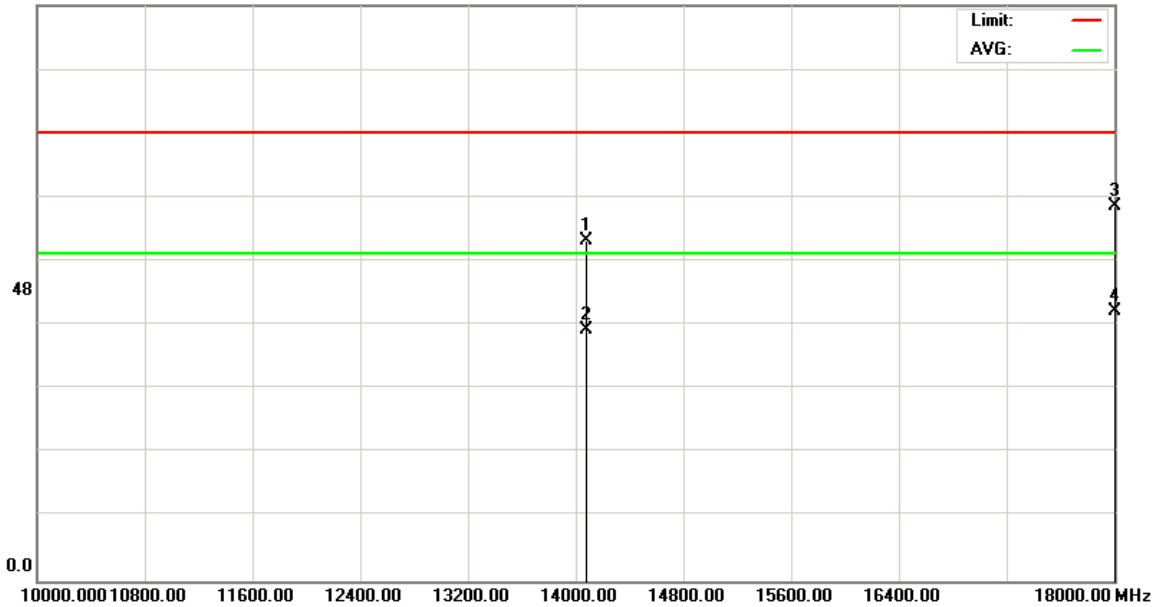
File :C500(03-21-2007)CH01

Data :#11

Date: 2007/03/27

Time: 上午 10:23:42

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14080.00	37.44	18.81	56.25	74.00	-17.75	peak	
2		14080.00	22.74	18.81	41.55	54.00	-12.45	AVG	
3		18000.00	36.37	25.57	61.94	74.00	-12.06	peak	
4	*	18000.00	18.91	25.57	44.48	54.00	-9.52	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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11b CH6 2437.000 (Local Frequency: 2437.000 MHz)
Test Date : 03/21 ~ 03/27/2007

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 ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



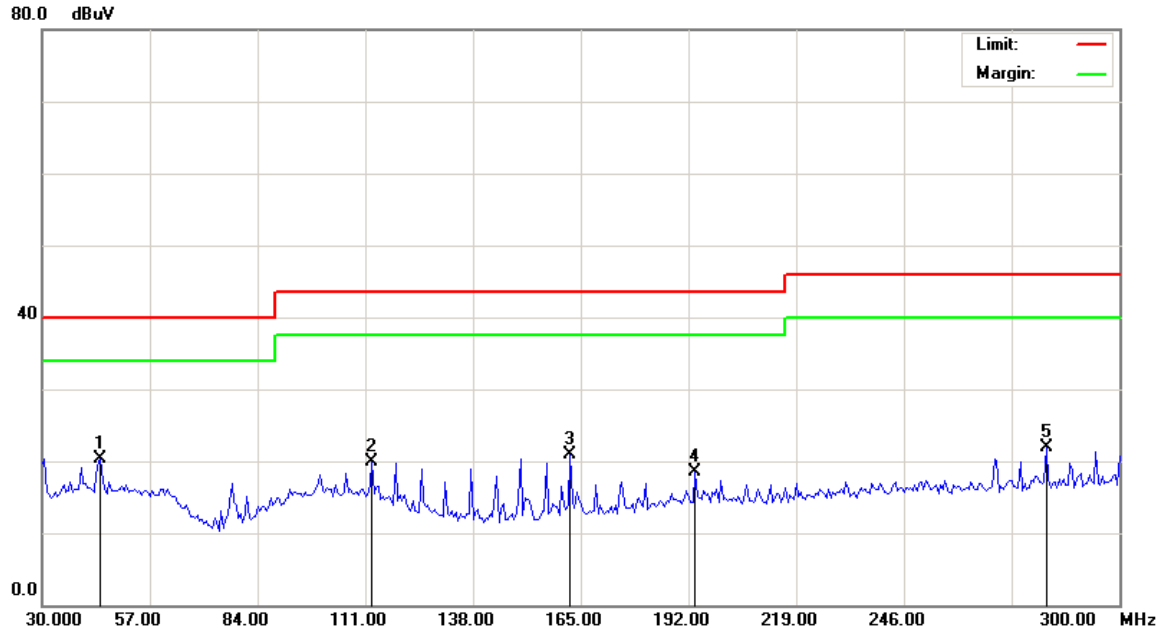
Radiated Emission Measurement

File : C500(03-21-2007)1G以下

Data : #5

Date: 2007/03/21

Time: 下午 07:55:46



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1	*	44.5799	32.05	-11.83	20.22	40.00	-19.78	peak	
2		112.6200	32.80	-12.95	19.85	43.50	-23.65	peak	
3		162.3000	36.36	-15.40	20.96	43.50	-22.54	peak	
4		193.6200	31.71	-13.17	18.54	43.50	-24.96	peak	
5		281.6399	32.22	-10.37	21.85	46.00	-24.15	peak	

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

●Reference Only



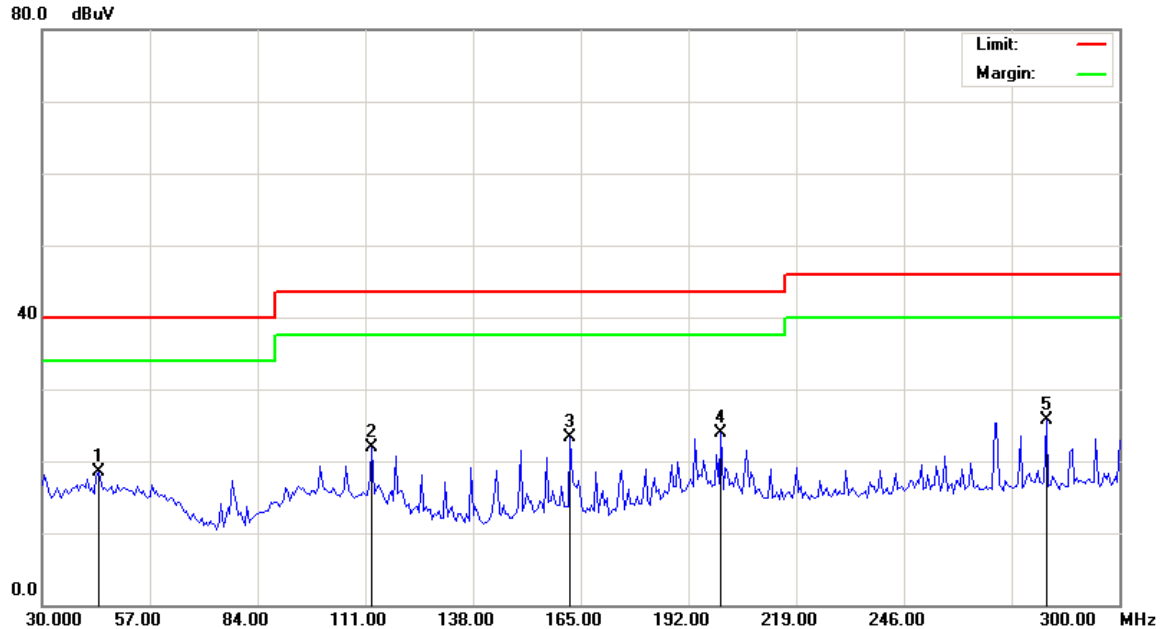
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#7

Date: 2007/03/21

Time: 下午 08:04:16



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1		44.0399	30.30	-11.84	18.46	40.00	-21.54	peak	
2		112.6200	34.81	-12.95	21.86	43.50	-21.64	peak	
3		162.3000	38.68	-15.40	23.28	43.50	-20.22	peak	
4	*	200.0999	37.13	-13.18	23.95	43.50	-19.55	peak	
5		281.6399	36.09	-10.37	25.72	46.00	-20.28	peak	

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

●Reference Only



Radiated Emission Measurement

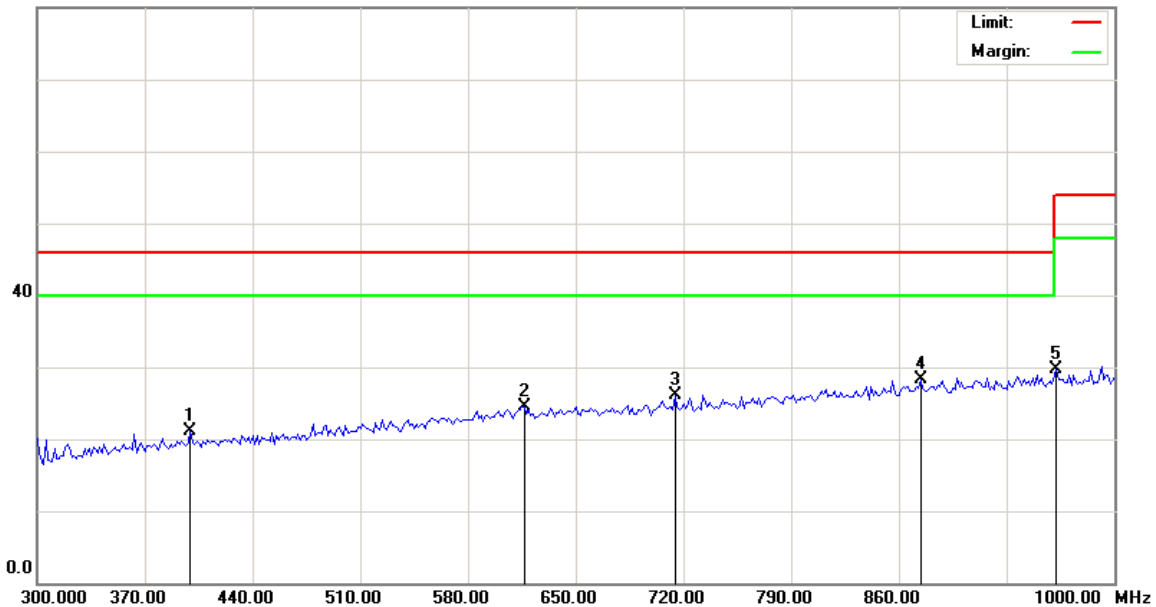
File :C500(03-21-2007)1G以下

Data :#6

Date: 2007/03/21

Time: 下午 08:00:01

80.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1		399.3999	29.44	-8.35	21.09	46.00	-24.91	peak	
2		616.3999	28.90	-4.39	24.51	46.00	-21.49	peak	
3		714.3999	29.74	-3.64	26.10	46.00	-19.90	peak	
4	*	874.0000	29.06	-0.82	28.24	46.00	-17.76	peak	
5		962.2000	29.11	0.54	29.65	54.00	-24.35	peak	

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

●Reference Only



Radiated Emission Measurement

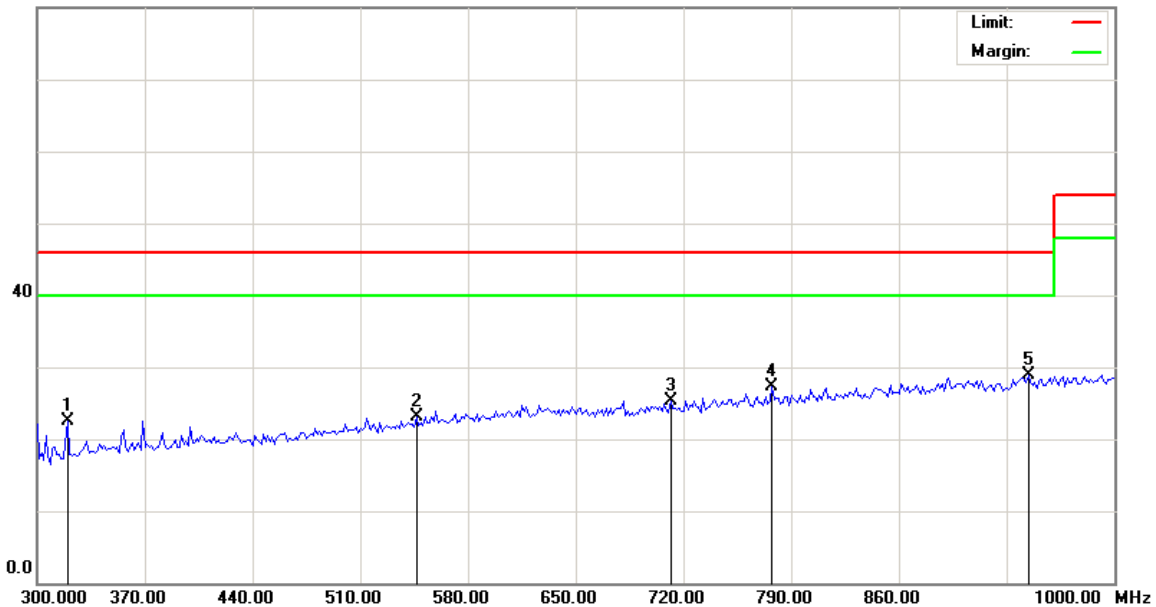
File :C500(03-21-2007)1G以下

Data :#8

Date: 2007/03/21

Time: 下午 08:08:33

80.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1		319.6000	32.38	-9.81	22.57	46.00	-23.43	peak	
2		546.3999	29.05	-6.04	23.01	46.00	-22.99	peak	
3		711.6000	29.10	-3.82	25.28	46.00	-20.72	peak	
4		777.3999	29.79	-2.47	27.32	46.00	-18.68	peak	
5	*	944.0000	28.55	0.27	28.82	46.00	-17.18	peak	

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

●Reference Only



Radiated Emission Measurement

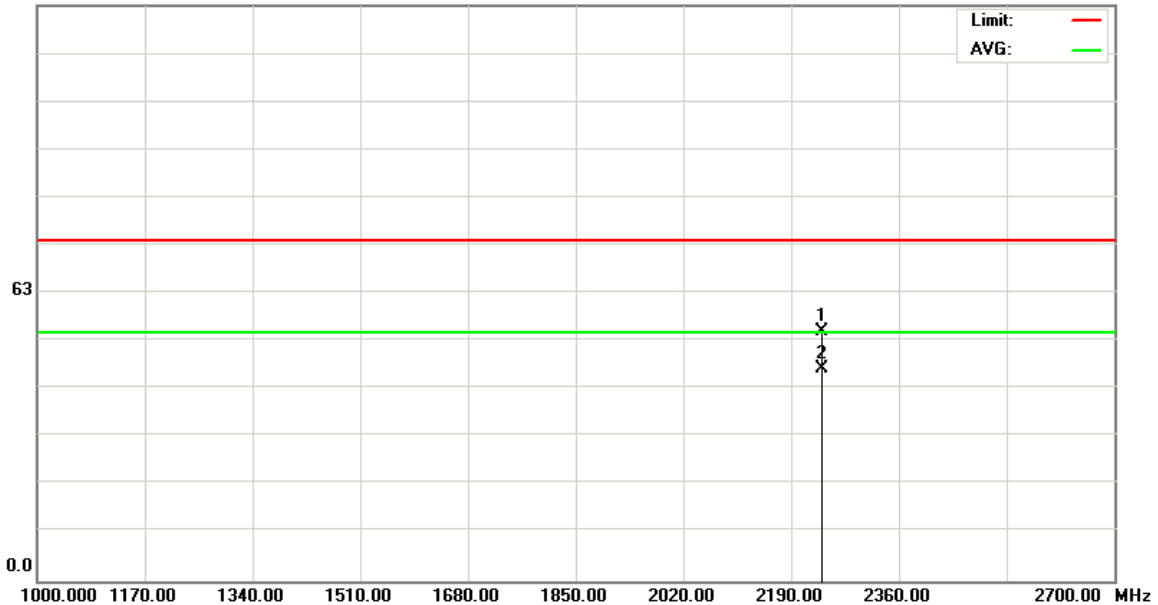
File :C500(03-21-2007)CH06

Data :#1

Date: 2007/03/21

Time: 下午 12:23:17

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2237.600	53.65	0.44	54.09	74.00	-19.91	peak	
2	*	2237.600	45.53	0.44	45.97	54.00	-8.03	AVG	

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

●Reference Only



Radiated Emission Measurement

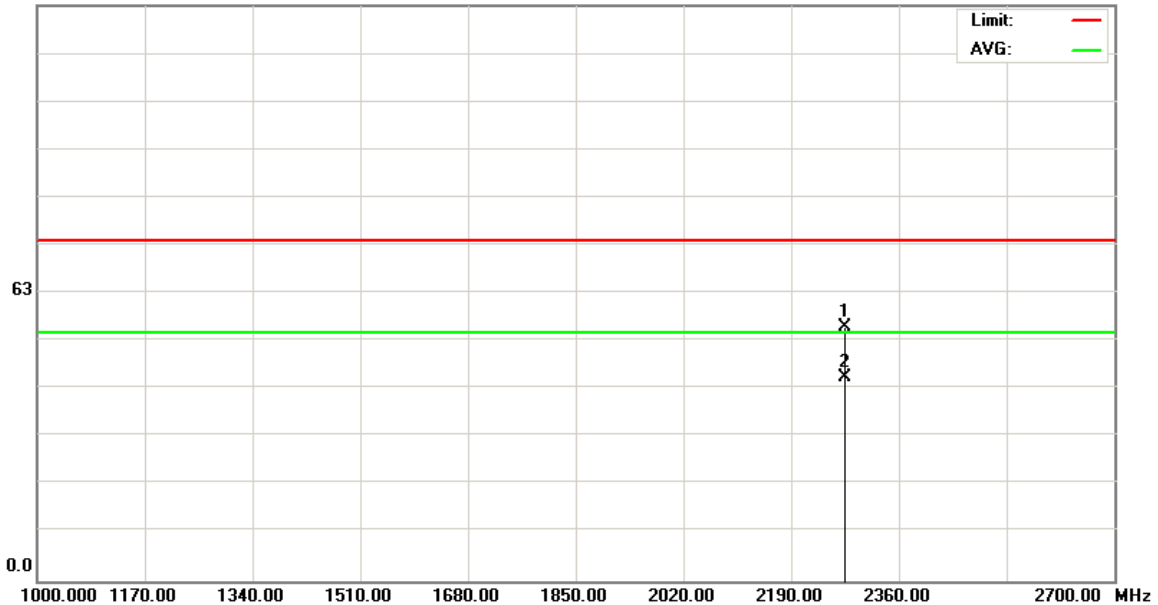
File :C500(03-21-2007)CH06

Data :#3

Date: 2007/03/21

Time: 下午 01:51:09

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2275.000	54.77	0.44	55.21	74.00	-18.79	peak	
2	*	2275.000	43.91	0.44	44.35	54.00	-9.65	AVG	

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

●Reference Only



Radiated Emission Measurement

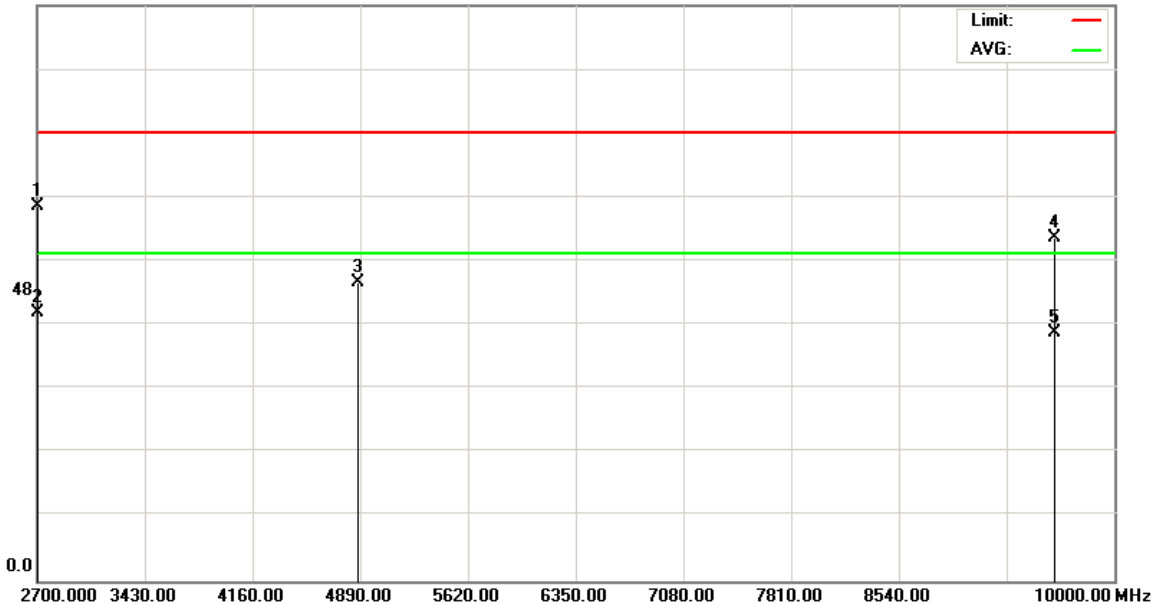
File :C500(03-21-2007)CH06

Data :#5

Date: 2007/03/21

Time: 下午 02:44:12

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

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	Comment
1		2700.000	39.33	22.58	61.91	74.00	-12.09	peak	
2	*	2700.000	21.62	22.58	44.20	54.00	-9.80	AVG	
3		4871.750	41.64	7.72	49.36	74.00	-24.64	peak	
4		9598.500	39.25	17.41	56.66	74.00	-17.34	peak	
5		9598.500	23.58	17.41	40.99	54.00	-13.01	AVG	

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

●Reference Only



Radiated Emission Measurement

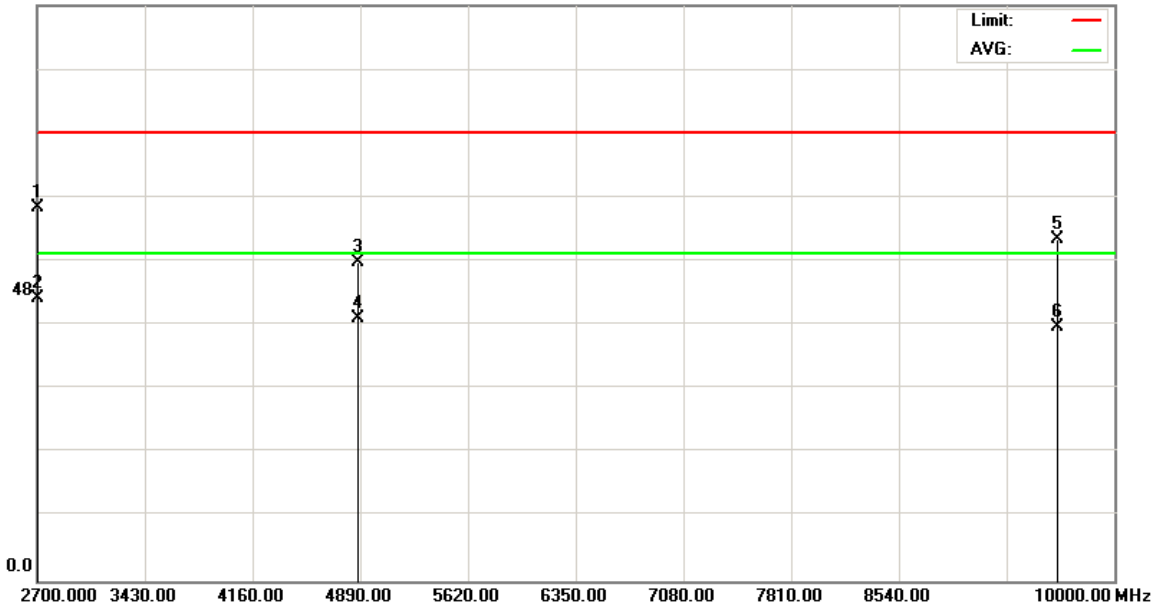
File :C500(03-21-2007)CH06

Data :#7

Date: 2007/03/21

Time: 下午 03:18:58

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH06(2437MHz)

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	Comment
1		2700.000	39.15	22.58	61.73	74.00	-12.27	peak	
2	*	2700.000	24.10	22.58	46.68	54.00	-7.32	AVG	
3		4871.750	44.88	7.72	52.60	74.00	-21.40	peak	
4		4871.750	35.69	7.72	43.41	54.00	-10.59	AVG	
5		9616.750	39.20	17.25	56.45	74.00	-17.55	peak	
6		9616.750	24.68	17.25	41.93	54.00	-12.07	AVG	

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

●Reference Only



Radiated Emission Measurement

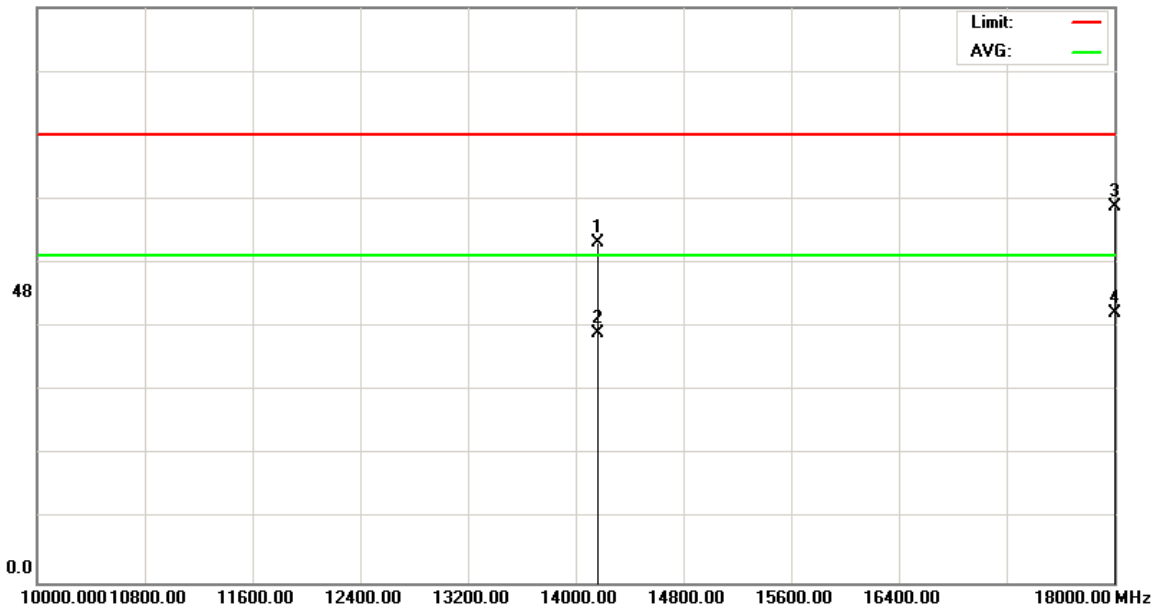
File :C500(03-21-2007)CH06

Data :#9

Date: 2007/03/27

Time: 上午 10:28:40

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14160.00	37.26	18.83	56.09	74.00	-17.91	peak	
2		14160.00	22.41	18.83	41.24	54.00	-12.76	AVG	
3		18000.00	36.59	25.57	62.16	74.00	-11.84	peak	
4	*	18000.00	18.95	25.57	44.52	54.00	-9.48	AVG	

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

●Reference Only



Radiated Emission Measurement

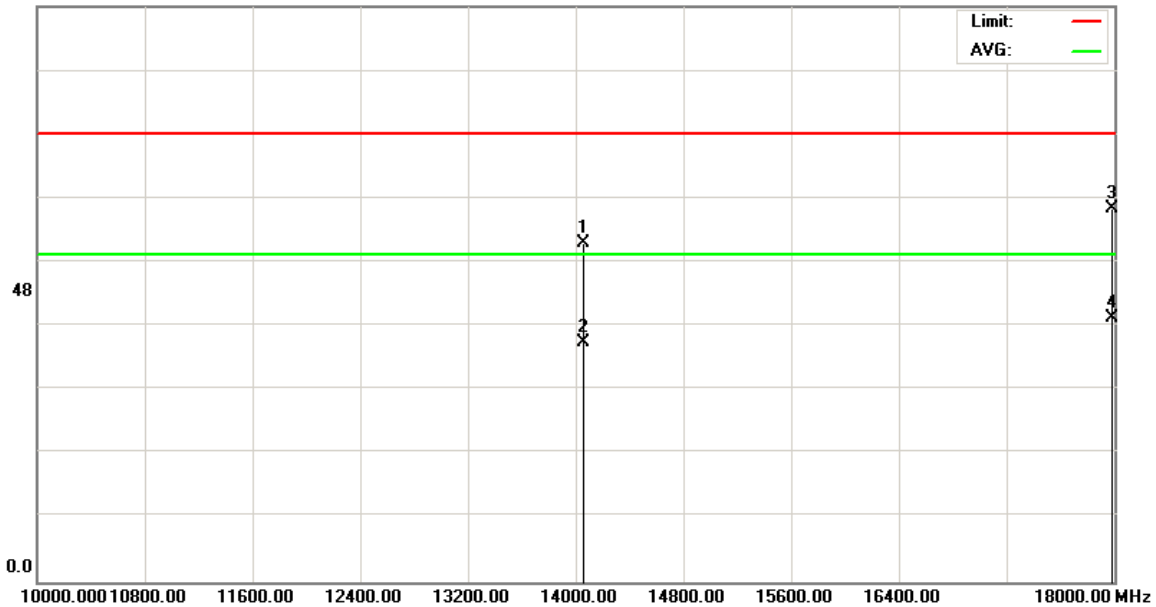
File :C500(03-21-2007)CH06

Data :#11

Date: 2007/03/27

Time: 上午 10:30:29

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14060.00	37.26	18.72	55.98	74.00	-18.02	peak	
2		14060.00	20.87	18.72	39.59	54.00	-14.41	AVG	
3		17980.00	36.54	25.20	61.74	74.00	-12.26	peak	
4	*	17980.00	18.49	25.20	43.69	54.00	-10.31	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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11b CH11 2462.000 (Local Frequency: 2462.000 MHz)
Test Date : 03/21 ~ 03/27/2007

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 ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



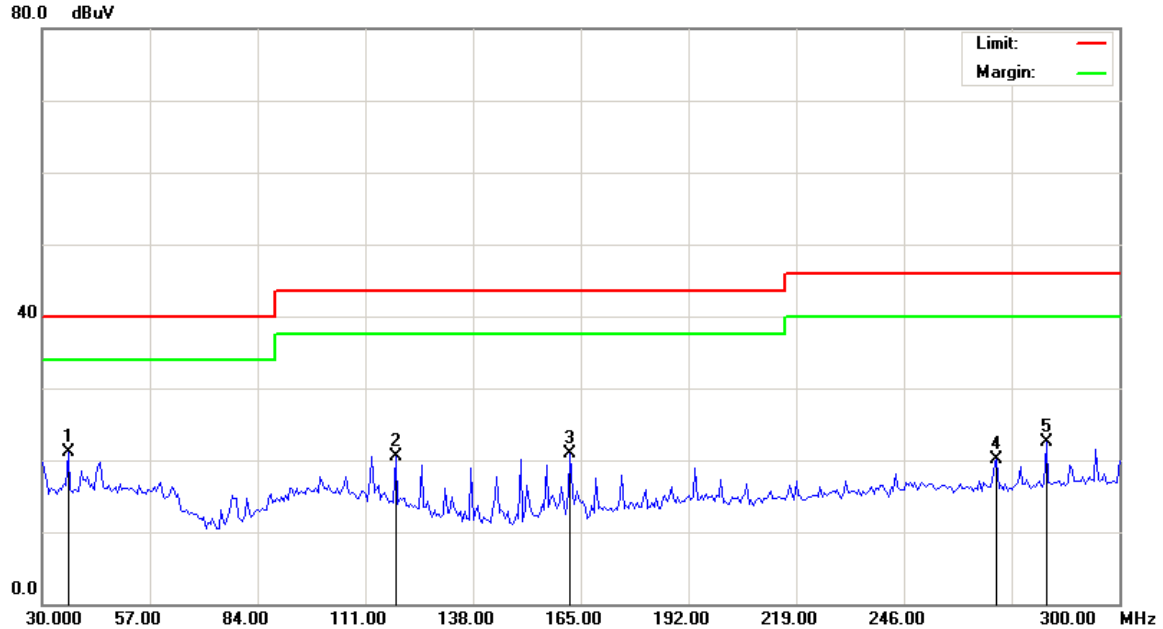
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#9

Date: 2007/03/21

Time: 下午 08:13:27



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1	*	36.4799	33.98	-12.81	21.17	40.00	-18.83	peak	
2		118.5600	34.48	-13.95	20.53	43.50	-22.97	peak	
3		162.3000	36.24	-15.40	20.84	43.50	-22.66	peak	
4		269.2200	31.03	-10.95	20.08	46.00	-25.92	peak	
5		281.6399	32.83	-10.37	22.46	46.00	-23.54	peak	

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

●Reference Only



Radiated Emission Measurement

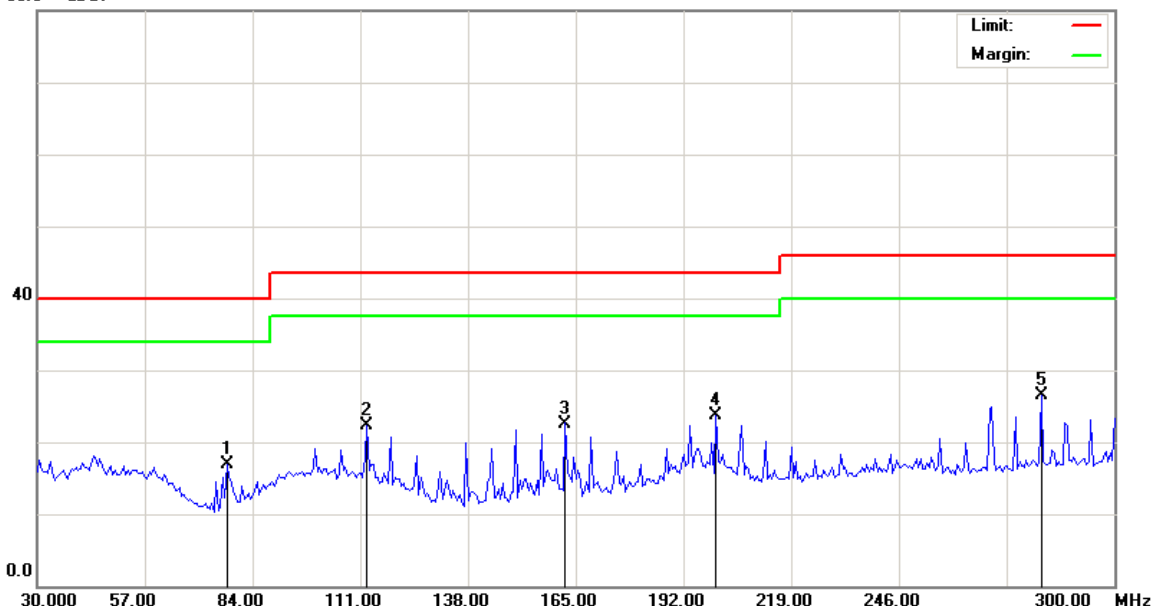
File :C500(03-21-2007)1G以下

Data :#11

Date: 2007/03/21

Time: 下午 08:21:58

80.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1		77.5199	33.76	-16.85	16.91	40.00	-23.09	peak	
2		112.6200	35.25	-12.95	22.30	43.50	-21.20	peak	
3		162.3000	38.00	-15.40	22.60	43.50	-20.90	peak	
4		200.0999	36.89	-13.18	23.71	43.50	-19.79	peak	
5	*	281.6399	36.78	-10.37	26.41	46.00	-19.59	peak	

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

●Reference Only



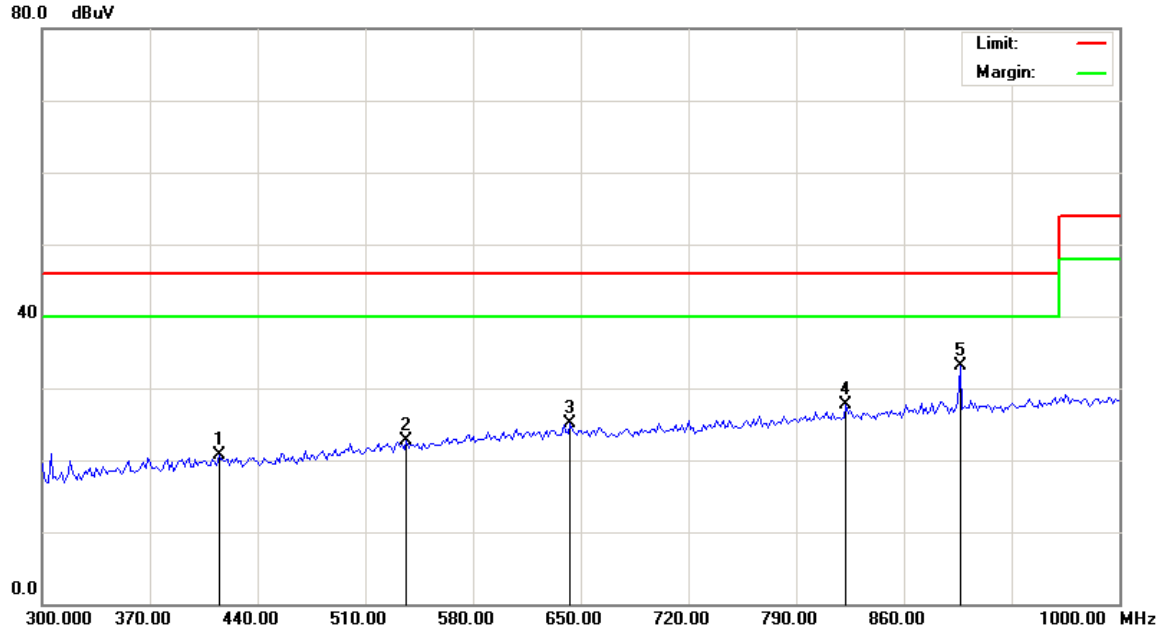
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#10

Date: 2007/03/21

Time: 下午 08:17:43



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1		414.8000	29.01	-8.22	20.79	46.00	-25.21	peak	
2		536.6000	28.92	-6.31	22.61	46.00	-23.39	peak	
3		643.0000	29.64	-4.50	25.14	46.00	-20.86	peak	
4		822.2000	29.33	-1.65	27.68	46.00	-18.32	peak	
5	*	896.3999	33.66	-0.47	33.19	46.00	-12.81	peak	

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

●Reference Only



Radiated Emission Measurement

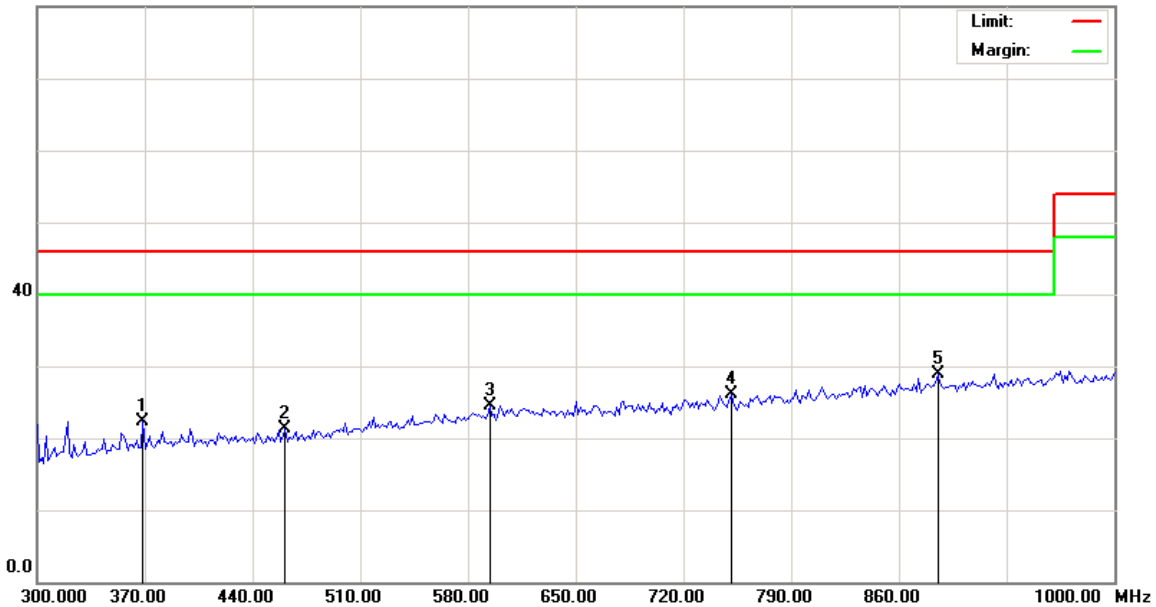
File :C500(03-21-2007)1G以下

Data :#12

Date: 2007/03/21

Time: 下午 08:26:14

80.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1		368.6000	30.98	-8.70	22.28	46.00	-23.72	peak	
2		461.0000	29.18	-7.85	21.33	46.00	-24.67	peak	
3		594.0000	29.38	-4.93	24.45	46.00	-21.55	peak	
4		750.7999	29.28	-3.13	26.15	46.00	-19.85	peak	
5	*	885.2000	29.08	-0.14	28.94	46.00	-17.06	peak	

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

●Reference Only



Radiated Emission Measurement

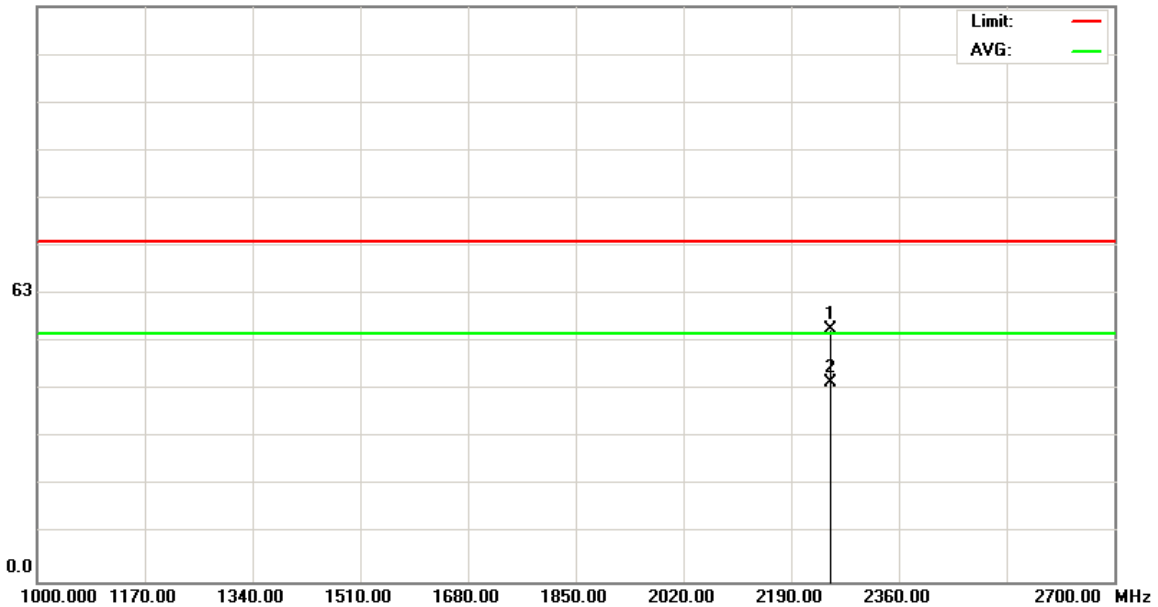
File :C500(03-21-2007)CH11

Data :#1

Date: 2007/03/21

Time: 下午 12:26:42

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2251.200	54.21	0.49	54.70	74.00	-19.30	peak	
2	*	2251.200	42.91	0.49	43.40	54.00	-10.60	AVG	

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

●Reference Only



Radiated Emission Measurement

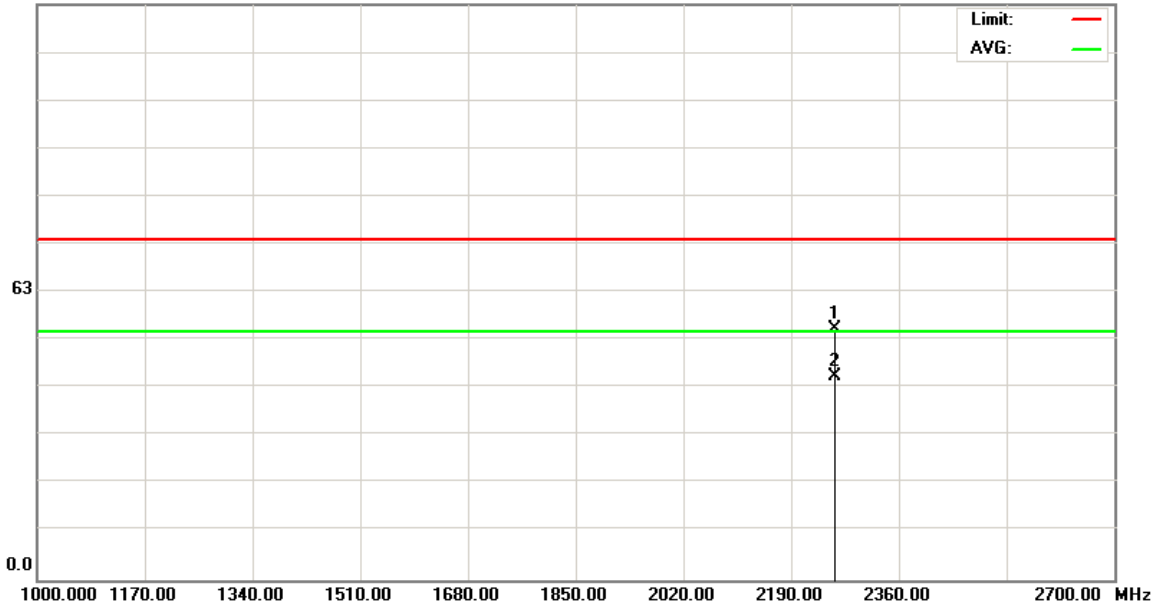
File :C500(03-21-2007)CH11

Data :#3

Date: 2007/03/21

Time: 下午 01:55:43

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2258.000	54.06	0.46	54.52	74.00	-19.48	peak	
2	*	2258.000	43.66	0.46	44.12	54.00	-9.88	AVG	

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

●Reference Only



Radiated Emission Measurement

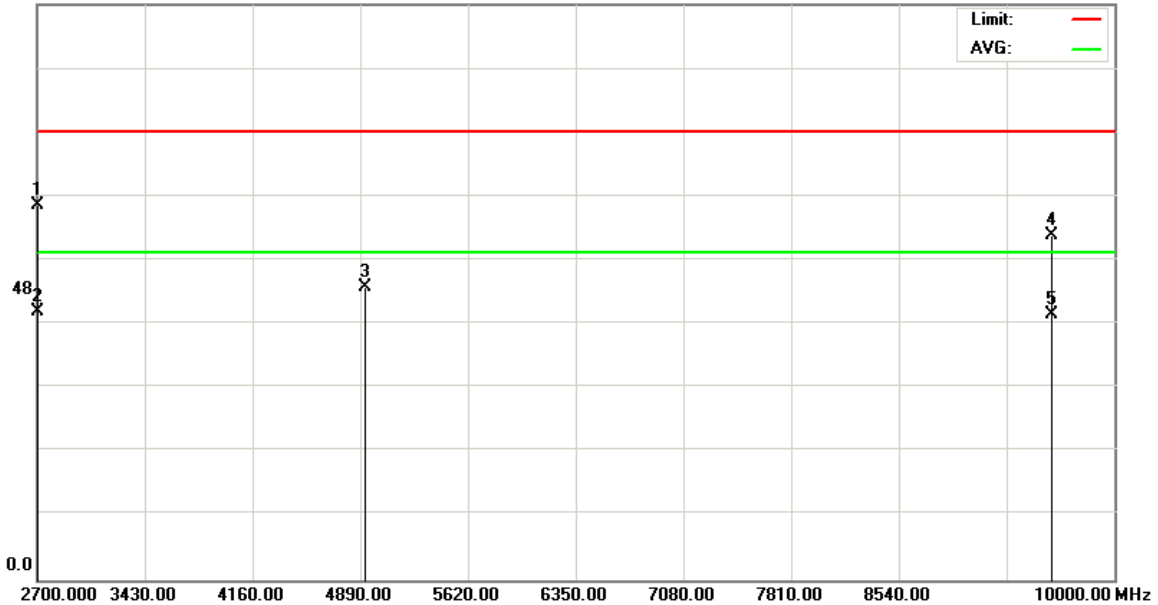
File :C500(03-21-2007)CH11

Data :#5

Date: 2007/03/21

Time: 下午 02:56:43

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

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	Detector	Comment
1		2700.000	39.31	22.58	61.89	74.00	-12.11	peak	
2	*	2700.000	21.69	22.58	44.27	54.00	-9.73	AVG	
3		4926.500	40.73	7.66	48.39	74.00	-25.61	peak	
4		9580.250	39.58	17.31	56.89	74.00	-17.11	peak	
5		9580.250	26.54	17.31	43.85	54.00	-10.15	AVG	

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

●Reference Only



Radiated Emission Measurement

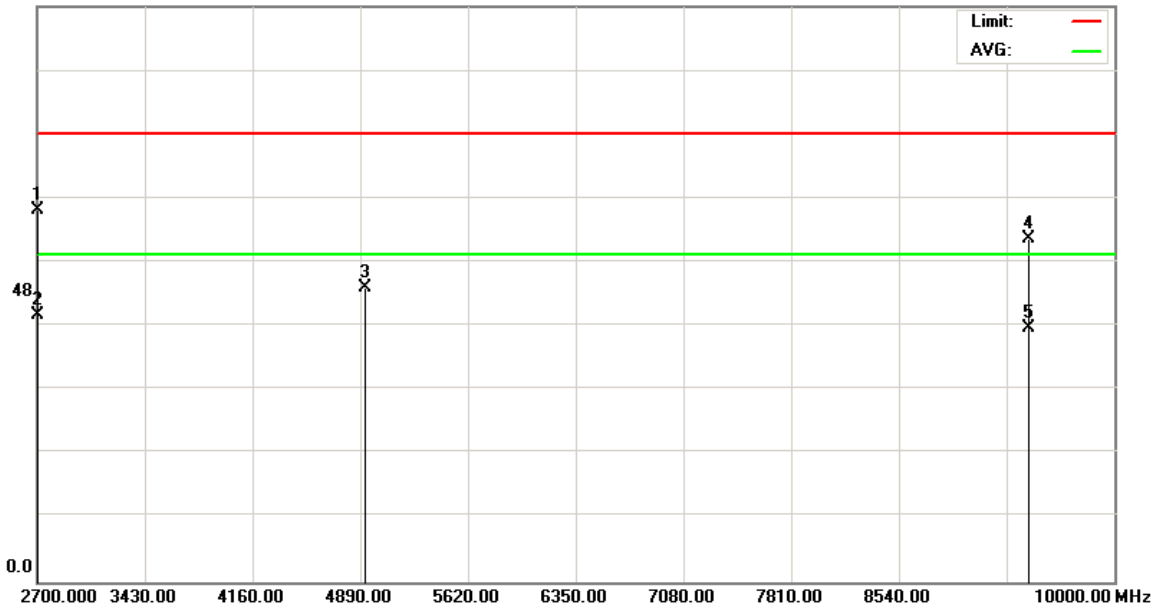
File :C500(03-21-2007)CH11

Data :#7

Date: 2007/03/21

Time: 下午 03:15:16

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

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	Detector	Comment
1		2700.000	38.72	22.58	61.30	74.00	-12.70	peak	
2	*	2700.000	21.56	22.58	44.14	54.00	-9.86	AVG	
3		4926.500	40.92	7.66	48.58	74.00	-25.42	peak	
4		9416.000	39.65	17.06	56.71	74.00	-17.29	peak	
5		9416.000	24.97	17.06	42.03	54.00	-11.97	AVG	

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

●Reference Only



Radiated Emission Measurement

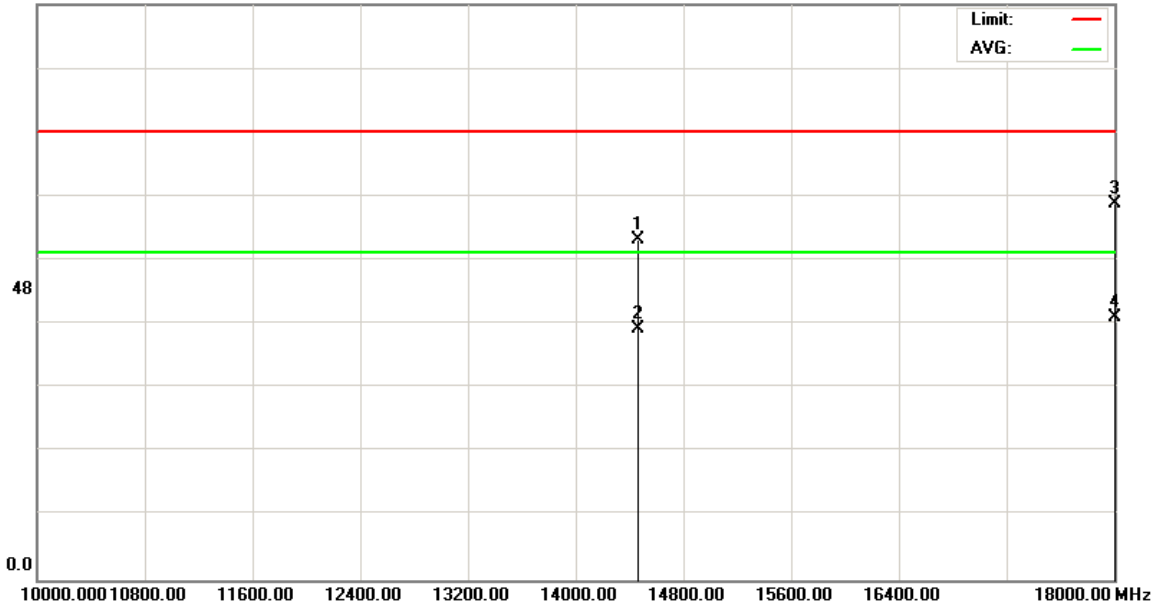
File :C500(03-21-2007)CH11

Data :#9

Date: 2007/03/27

Time: 上午 10:37:59

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14460.00	38.30	17.97	56.27	74.00	-17.73	peak	
2		14460.00	23.54	17.97	41.51	54.00	-12.49	AVG	
3		18000.00	36.58	25.57	62.15	74.00	-11.85	peak	
4	*	18000.00	17.79	25.57	43.36	54.00	-10.64	AVG	

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

●Reference Only



Radiated Emission Measurement

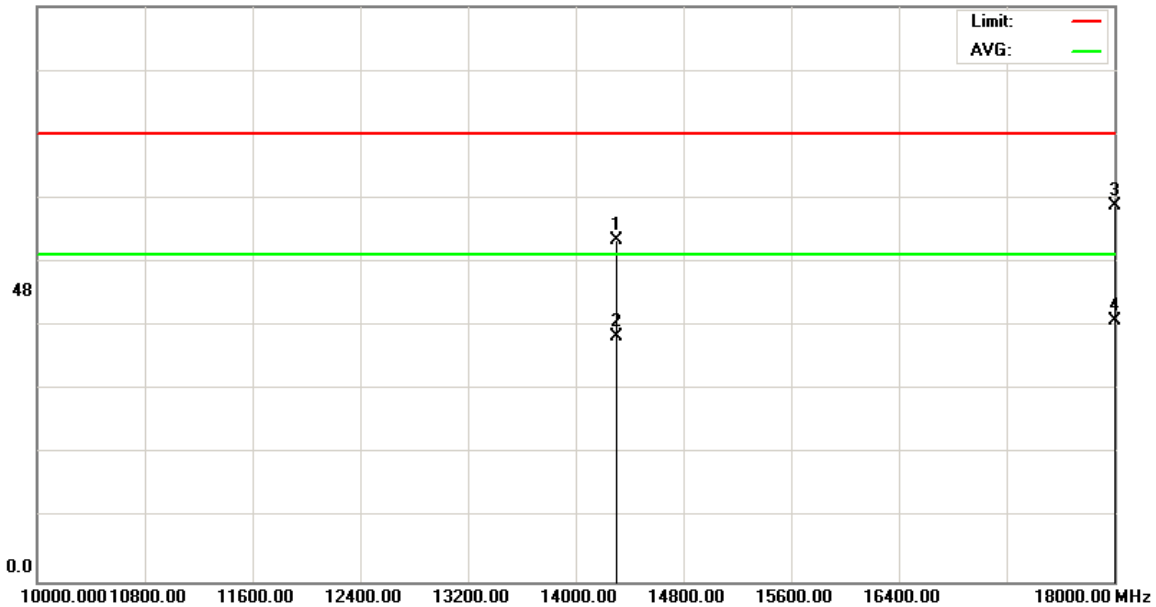
File :C500(03-21-2007)CH11

Data :#11

Date: 2007/03/27

Time: 上午 10:39:48

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14300.00	37.86	18.61	56.47	74.00	-17.53	peak	
2		14300.00	21.77	18.61	40.38	54.00	-13.62	AVG	
3		18000.00	36.60	25.57	62.17	74.00	-11.83	peak	
4	*	18000.00	17.50	25.57	43.07	54.00	-10.93	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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11g CH1 2412.000 (Local Frequency: 2412.000 MHz)
Test Date : 03/21/2007

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 ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



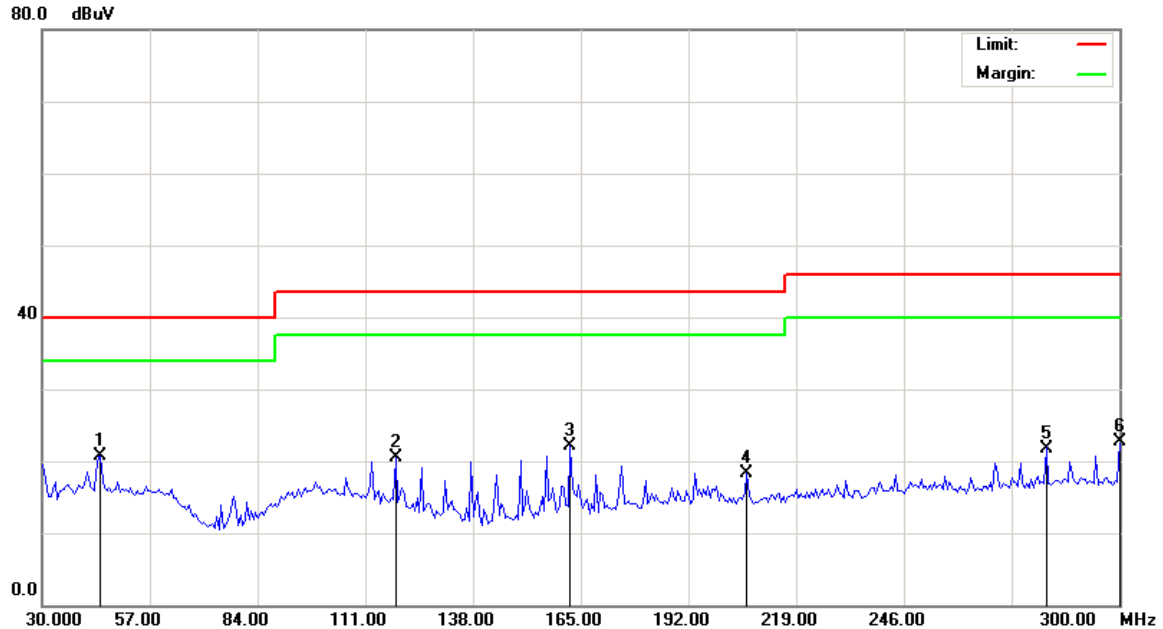
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#1

Date: 2007/03/21

Time: 下午 05:15:37



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1	*	44.5799	32.54	-11.83	20.71	40.00	-19.29	peak	
2		118.5600	34.45	-13.95	20.50	43.50	-23.00	peak	
3		162.3000	37.56	-15.40	22.16	43.50	-21.34	peak	
4		206.5800	31.28	-12.96	18.32	43.50	-25.18	peak	
5		281.6399	32.17	-10.37	21.80	46.00	-24.20	peak	
6		300.0000	32.77	-9.98	22.79	46.00	-23.21	peak	

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

●Reference Only



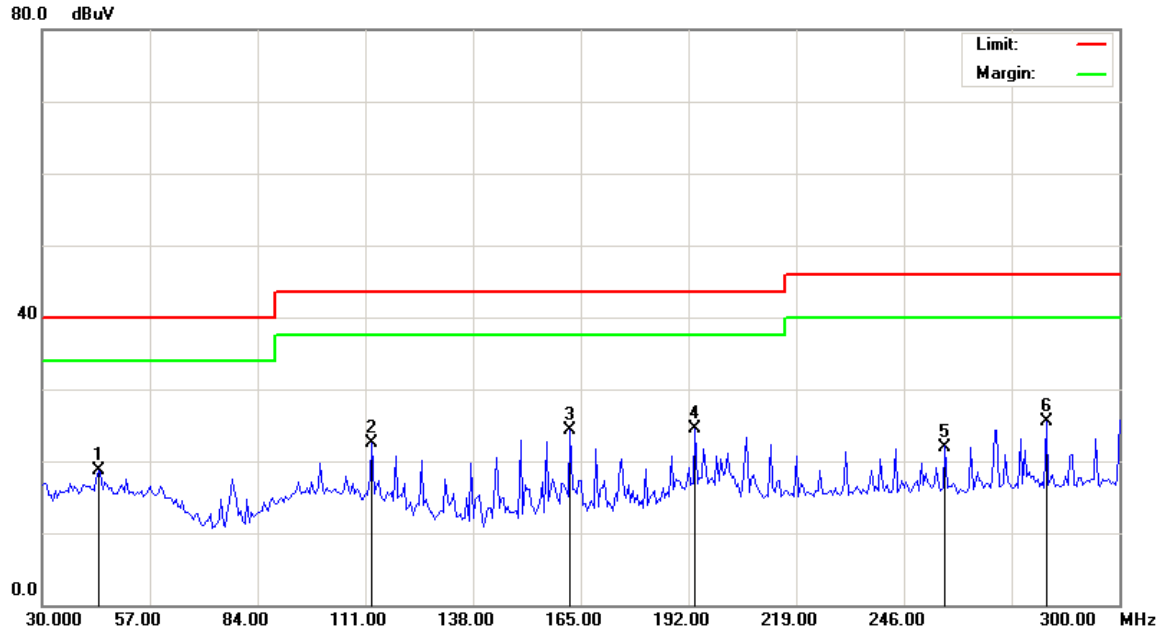
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#3

Date: 2007/03/21

Time: 下午 05:24:08



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1		44.0399	30.61	-11.84	18.77	40.00	-21.23	peak	
2		112.6200	35.42	-12.95	22.47	43.50	-21.03	peak	
3		162.3000	39.70	-15.40	24.30	43.50	-19.20	peak	
4	*	193.6200	37.75	-13.17	24.58	43.50	-18.92	peak	
5		256.2599	33.17	-11.17	22.00	46.00	-24.00	peak	
6		281.6399	35.95	-10.37	25.58	46.00	-20.42	peak	

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

●Reference Only



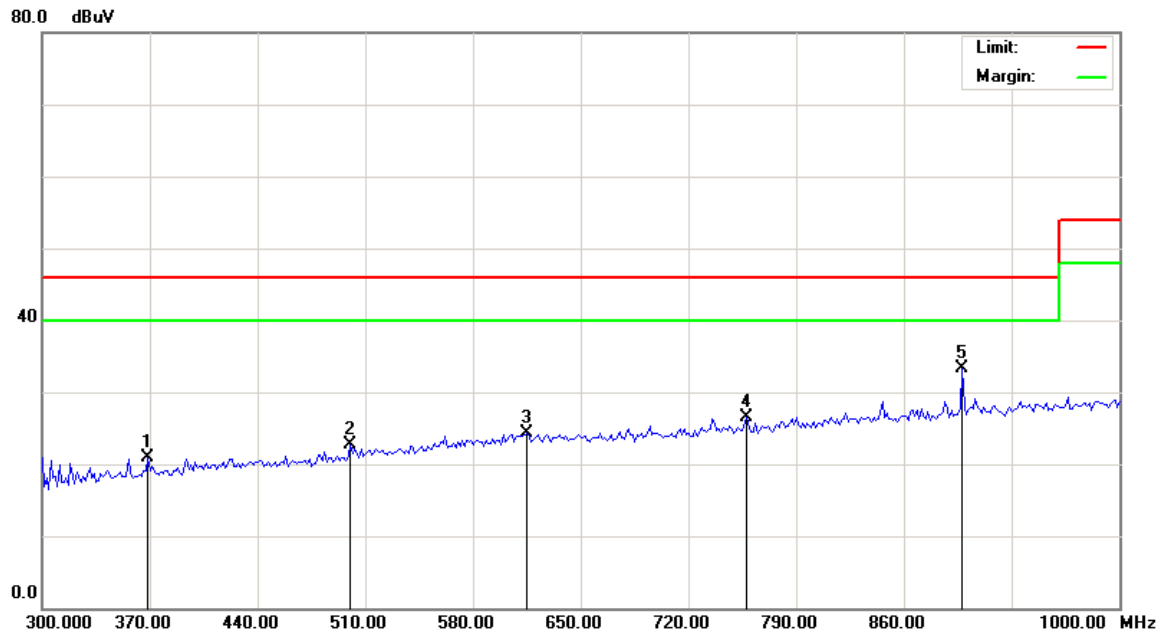
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#2

Date: 2007/03/21

Time: 下午 05:19:52



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1		368.6000	29.63	-8.70	20.93	46.00	-25.07	peak	
2		500.1999	29.94	-7.16	22.78	46.00	-23.22	peak	
3		615.0000	28.63	-4.40	24.23	46.00	-21.77	peak	
4		757.7999	29.45	-3.04	26.41	46.00	-19.59	peak	
5	*	897.7999	33.77	-0.43	33.34	46.00	-12.66	peak	

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

●Reference Only



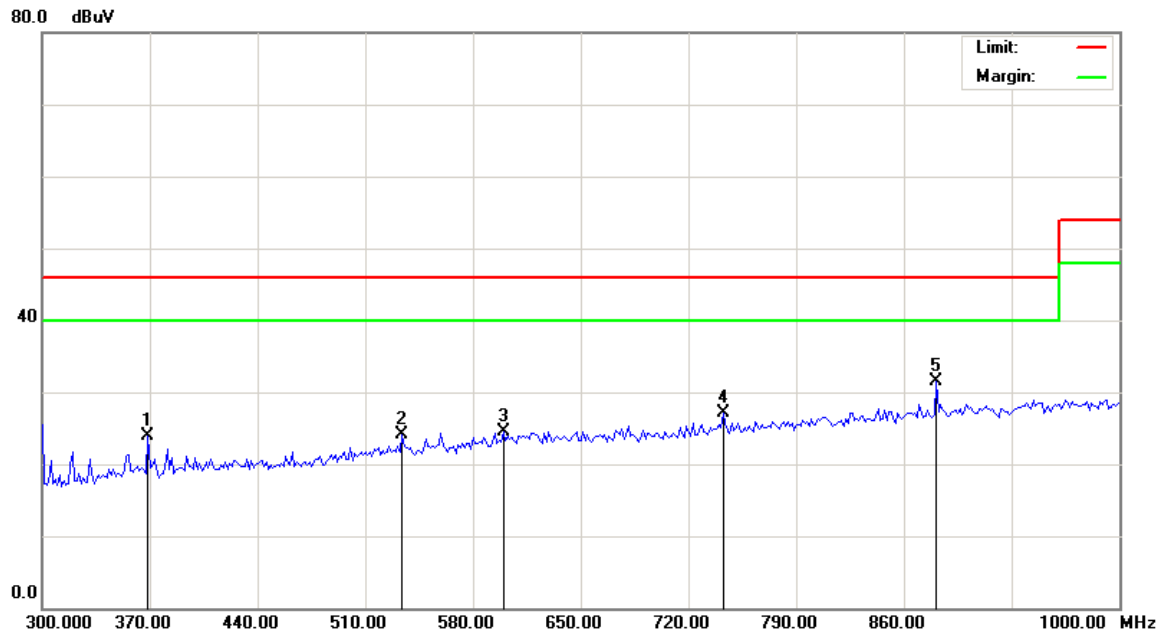
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#4

Date: 2007/03/21

Time: 下午 05:28:24



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

10G - 18G AV PRE 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	Comment
1		368.6000	32.52	-8.70	23.82	46.00	-22.18	peak	
2		533.7999	30.50	-6.39	24.11	46.00	-21.89	peak	
3		599.6000	29.33	-4.91	24.42	46.00	-21.58	peak	
4		742.3999	30.30	-3.20	27.10	46.00	-18.90	peak	
5	*	881.0000	32.15	-0.58	31.57	46.00	-14.43	peak	

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

●Reference Only



Radiated Emission Measurement

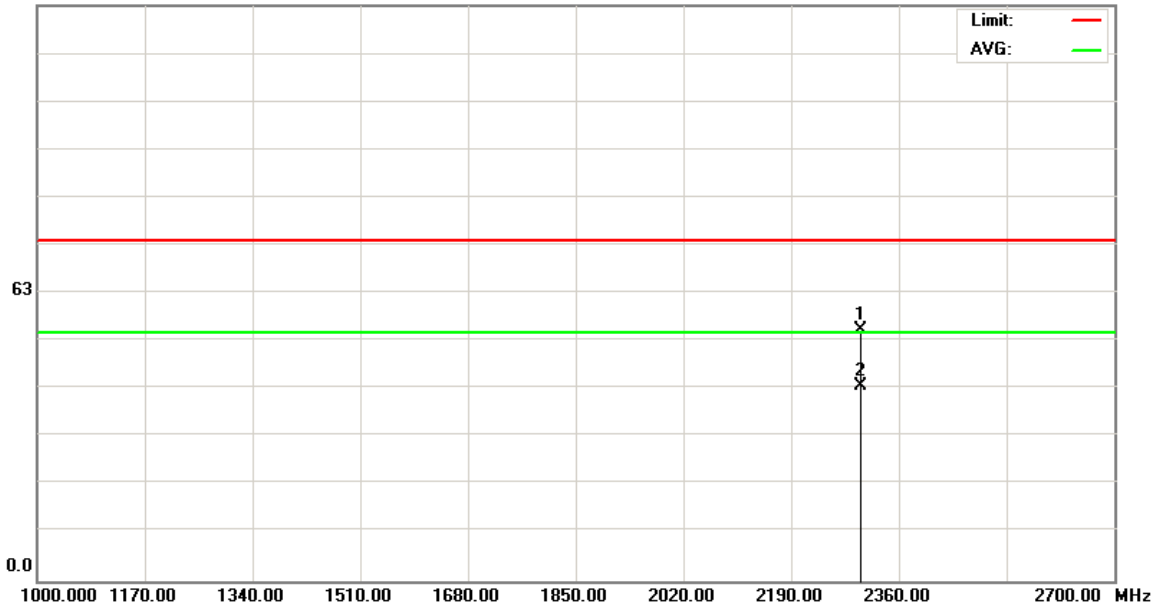
File :C500(03-21-2007)CH01

Data :#1

Date: 2007/03/21

Time: 上午 11:52:12

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2298.800	53.96	0.53	54.49	74.00	-19.51	peak	
2	*	2298.800	41.95	0.53	42.48	54.00	-11.52	AVG	

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

●Reference Only



Radiated Emission Measurement

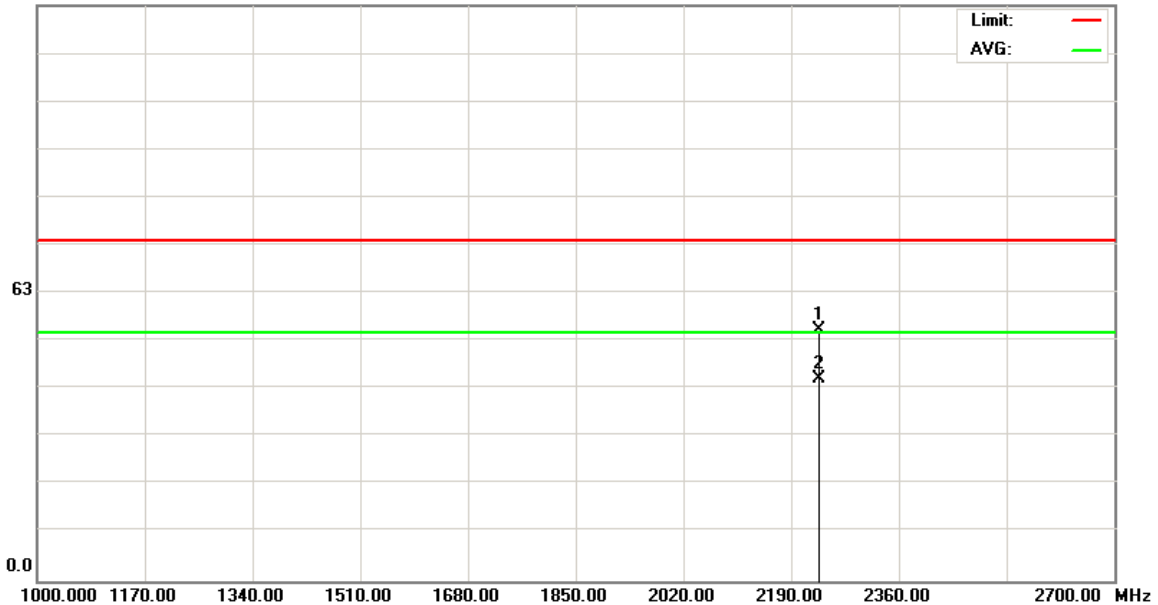
File :C500(03-21-2007)CH01

Data :#3

Date: 2007/03/21

Time: 下午 12:13:36

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2234.200	54.09	0.45	54.54	74.00	-19.46	peak	
2	*	2234.200	43.55	0.45	44.00	54.00	-10.00	AVG	

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

●Reference Only



Radiated Emission Measurement

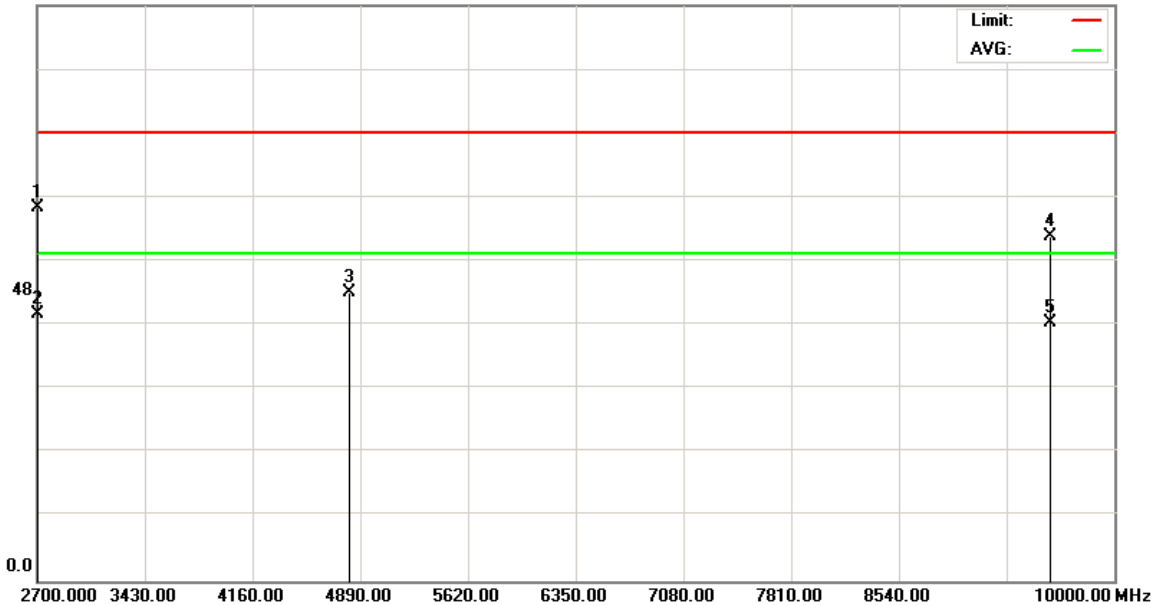
File :C500(03-21-2007)CH01

Data :#5

Date: 2007/03/21

Time: 下午 03:57:40

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

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	Comment
1		2700.000	39.09	22.58	61.67	74.00	-12.33	peak	
2	*	2700.000	21.55	22.58	44.13	54.00	-9.87	AVG	
3		4817.000	40.27	7.42	47.69	74.00	-26.31	peak	
4		9562.000	39.59	17.21	56.80	74.00	-17.20	peak	
5		9562.000	25.49	17.21	42.70	54.00	-11.30	AVG	

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

●Reference Only



Radiated Emission Measurement

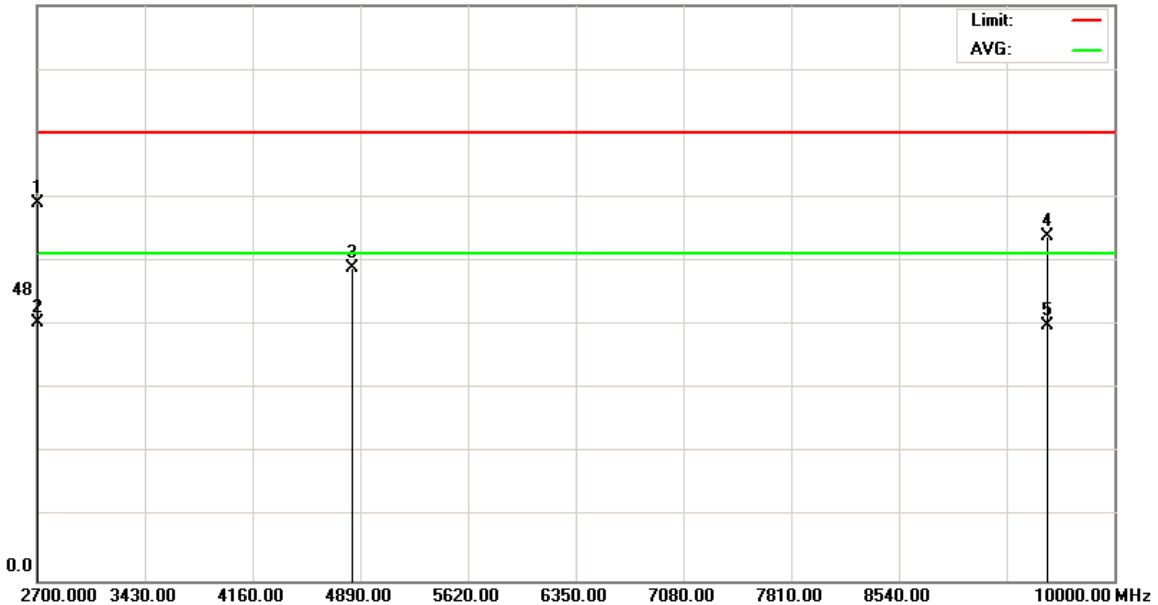
File :C500(03-21-2007)CH01

Data :#7

Date: 2007/03/21

Time: 下午 04:43:29

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)

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	Comment
1		2700.000	39.70	22.58	62.28	74.00	-11.72	peak	
2	*	2700.000	20.12	22.58	42.70	54.00	-11.30	AVG	
3		4835.250	44.12	7.61	51.73	74.00	-22.27	peak	
4		9543.750	39.71	17.09	56.80	74.00	-17.20	peak	
5		9543.750	24.98	17.09	42.07	54.00	-11.93	AVG	

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

●Reference Only



Radiated Emission Measurement

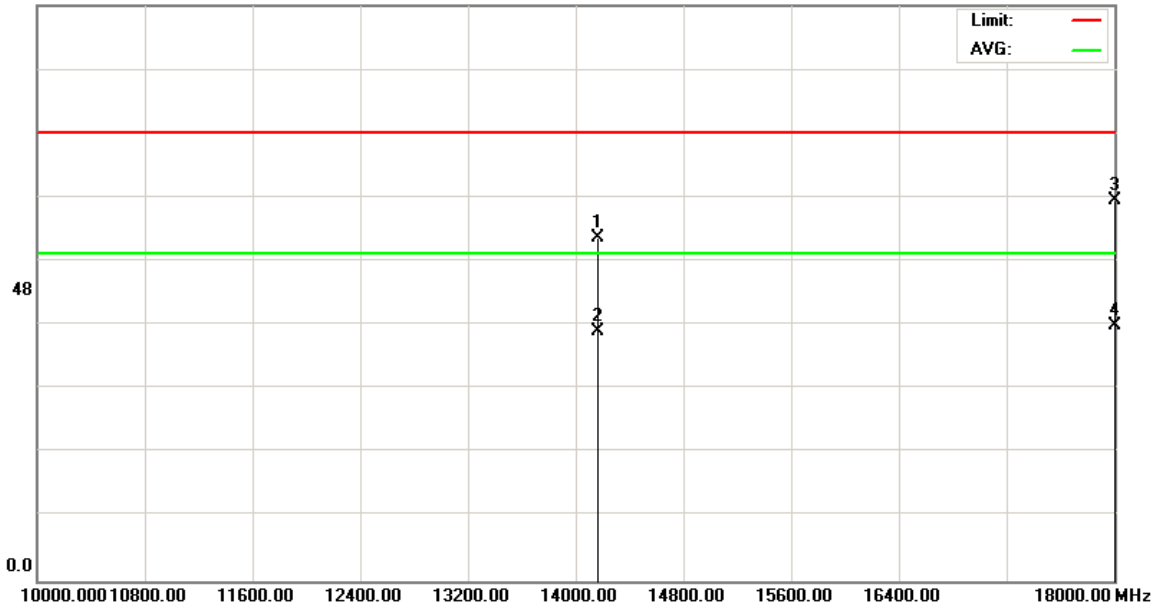
File :C500(03-21-2007)CH01

Data :#9

Date: 2007/03/21

Time: 下午 04:47:44

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode: 11g

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	Detector	Comment
1		14160.00	37.92	18.83	56.75	74.00	-17.25	peak	
2		14160.00	22.48	18.83	41.31	54.00	-12.69	AVG	
3	*	18000.00	37.25	25.57	62.82	74.00	-11.18	peak	
4		18000.00	16.54	25.57	42.11	54.00	-11.89	AVG	

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

●Reference Only



Radiated Emission Measurement

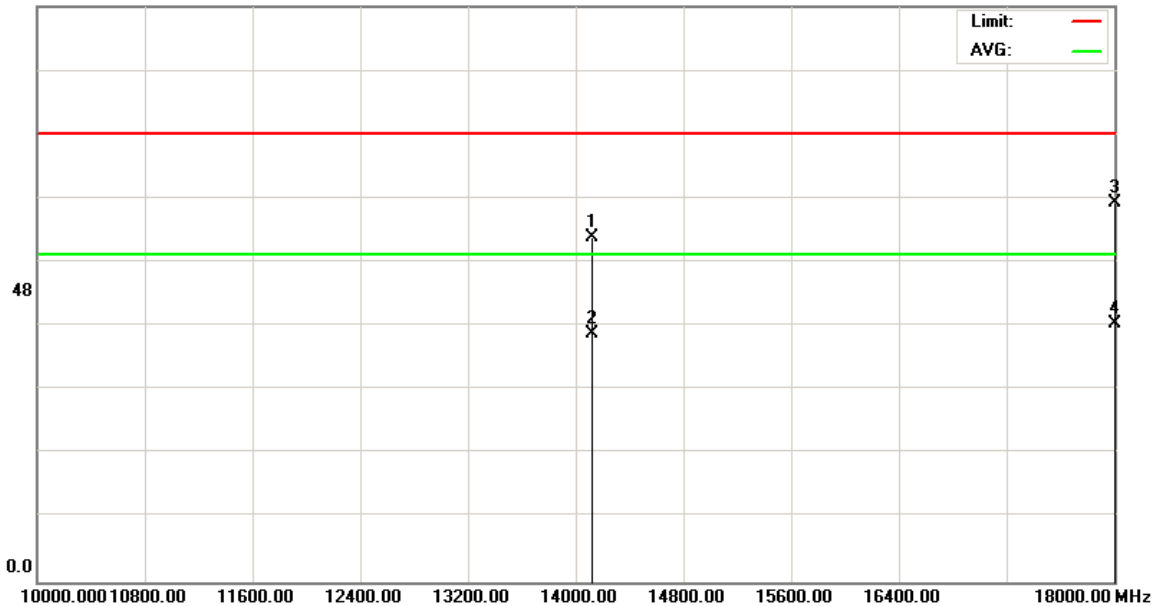
File :C500(03-21-2007)CH01

Data :#11

Date: 2007/03/21

Time: 下午 04:49:33

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode: 11g

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	Detector	Comment
1		14120.00	37.94	18.87	56.81	74.00	-17.19	peak	
2		14120.00	22.11	18.87	40.98	54.00	-13.02	AVG	
3		18000.00	37.05	25.57	62.62	74.00	-11.38	peak	
4	*	18000.00	17.18	25.57	42.75	54.00	-11.25	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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11g CH6 2437.000 (Local Frequency: 2437.000 MHz)
Test Date : 03/21/2007

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



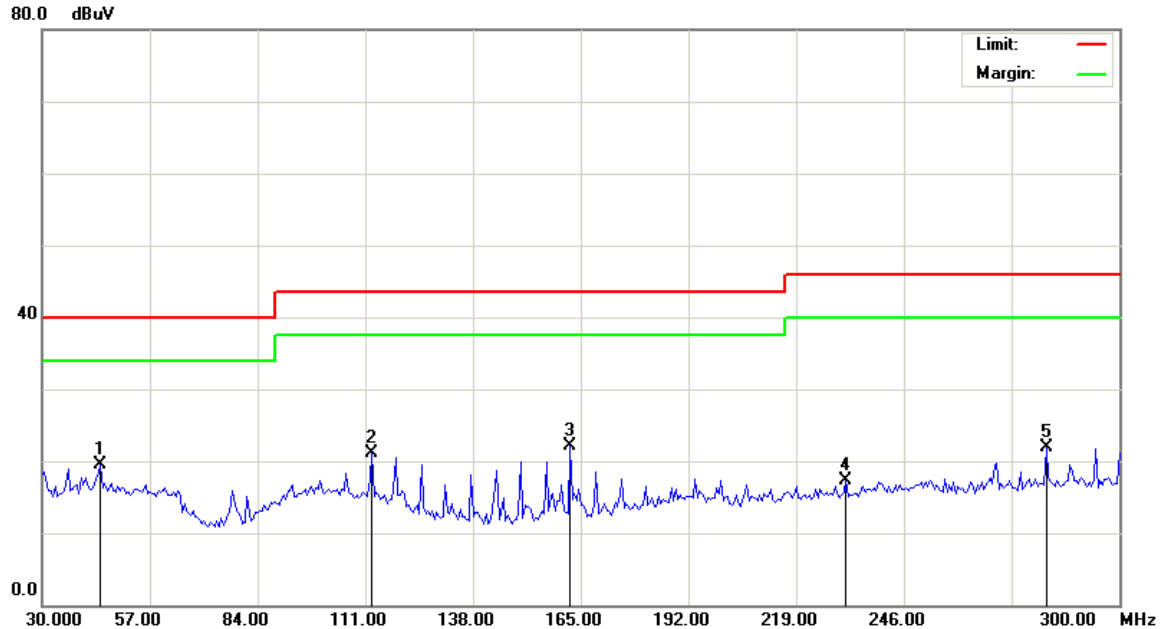
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#5

Date: 2007/03/21

Time: 下午 06:58:06



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1	*	44.5799	31.27	-11.83	19.44	40.00	-20.56	peak	
2		112.6200	34.03	-12.95	21.08	43.50	-22.42	peak	
3		162.3000	37.55	-15.40	22.15	43.50	-21.35	peak	
4		231.4199	29.19	-11.83	17.36	46.00	-28.64	peak	
5		281.6399	32.36	-10.37	21.99	46.00	-24.01	peak	

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

●Reference Only



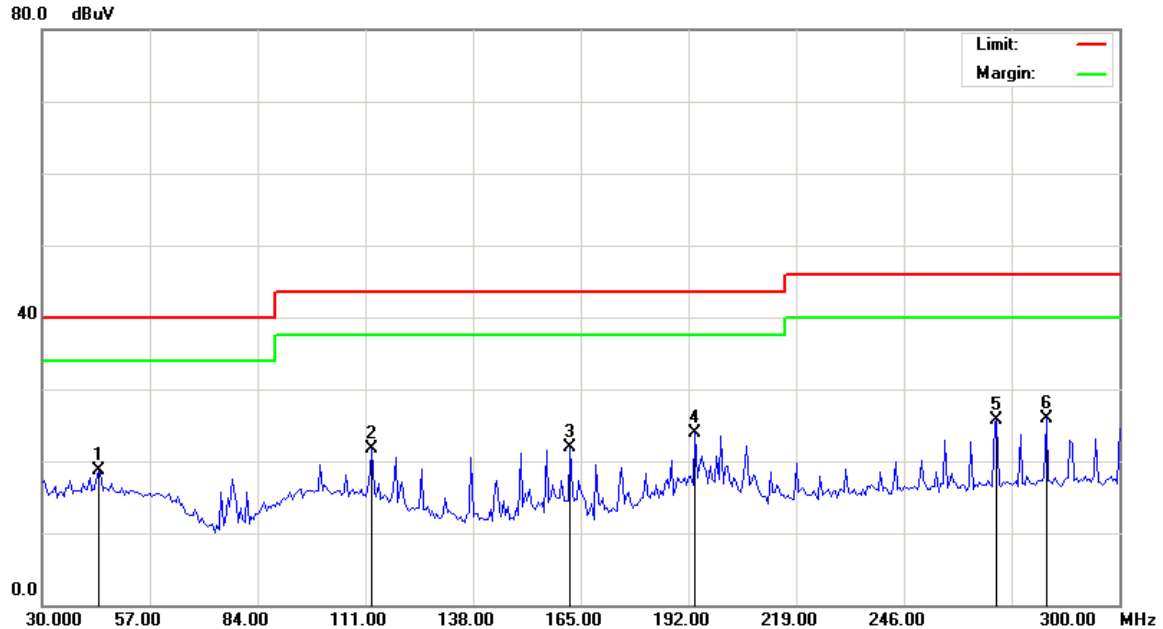
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#7

Date: 2007/03/21

Time: 下午 07:06:38



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1		44.0399	30.45	-11.84	18.61	40.00	-21.39	peak	
2		112.6200	34.65	-12.95	21.70	43.50	-21.80	peak	
3		162.3000	37.24	-15.40	21.84	43.50	-21.66	peak	
4	*	193.6200	37.16	-13.17	23.99	43.50	-19.51	peak	
5		269.2200	36.72	-10.95	25.77	46.00	-20.23	peak	
6		281.6399	36.22	-10.37	25.85	46.00	-20.15	peak	

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

●Reference Only



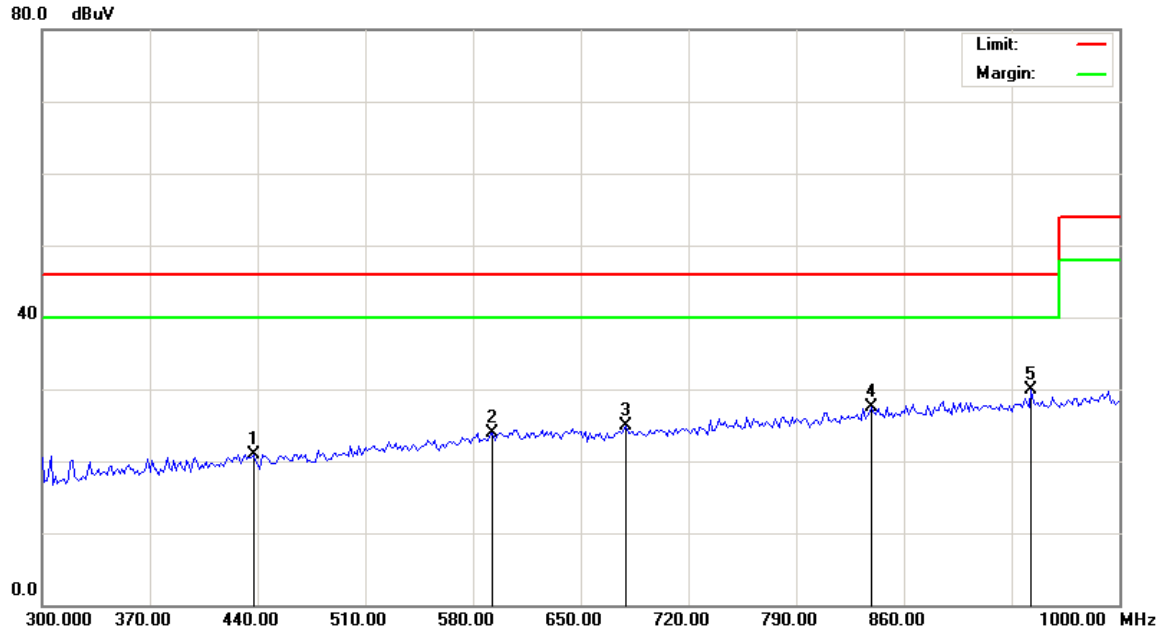
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#6

Date: 2007/03/21

Time: 下午 07:02:22



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1		437.1999	28.98	-8.00	20.98	46.00	-25.02	peak	
2		592.6000	28.92	-5.03	23.89	46.00	-22.11	peak	
3		679.3999	28.96	-4.09	24.87	46.00	-21.13	peak	
4		839.0000	28.90	-1.42	27.48	46.00	-18.52	peak	
5	*	942.6000	29.58	0.27	29.85	46.00	-16.15	peak	

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

●Reference Only



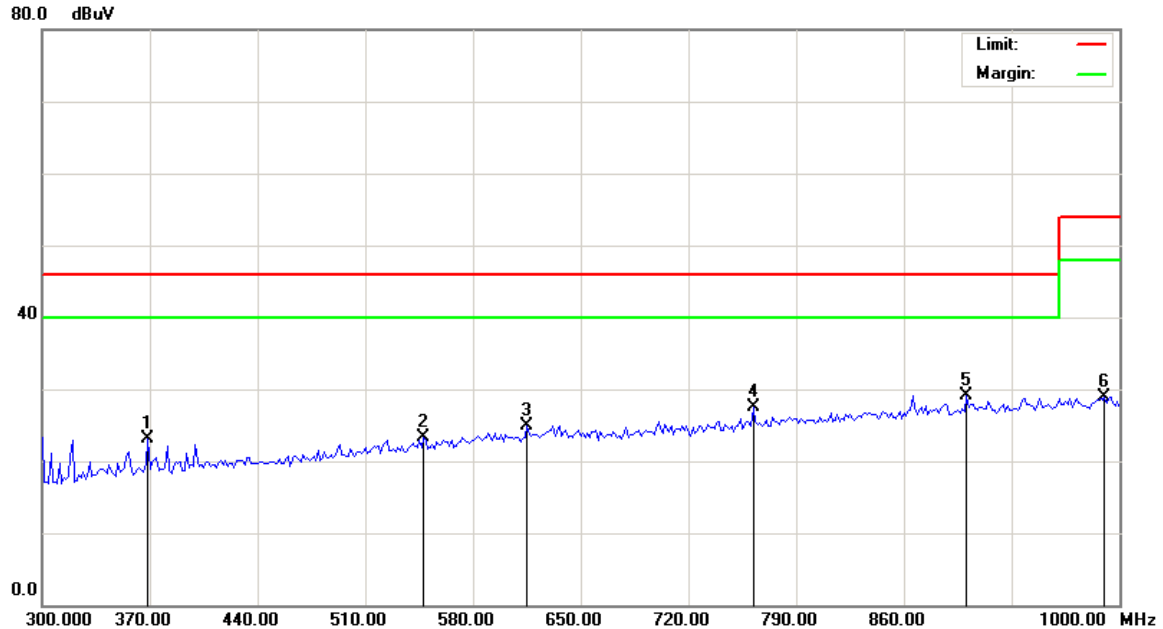
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#8

Date: 2007/03/21

Time: 下午 07:10:53



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

10G - 18G AV PRE 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	Comment
1		368.6000	31.76	-8.70	23.06	46.00	-22.94	peak	
2		547.8000	29.39	-6.03	23.36	46.00	-22.64	peak	
3		615.0000	29.33	-4.40	24.93	46.00	-21.07	peak	
4		762.0000	30.38	-2.89	27.49	46.00	-18.51	peak	
5	*	900.6000	29.53	-0.36	29.17	46.00	-16.83	peak	
6		990.2000	28.06	0.93	28.99	54.00	-25.01	peak	

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

●Reference Only



Radiated Emission Measurement

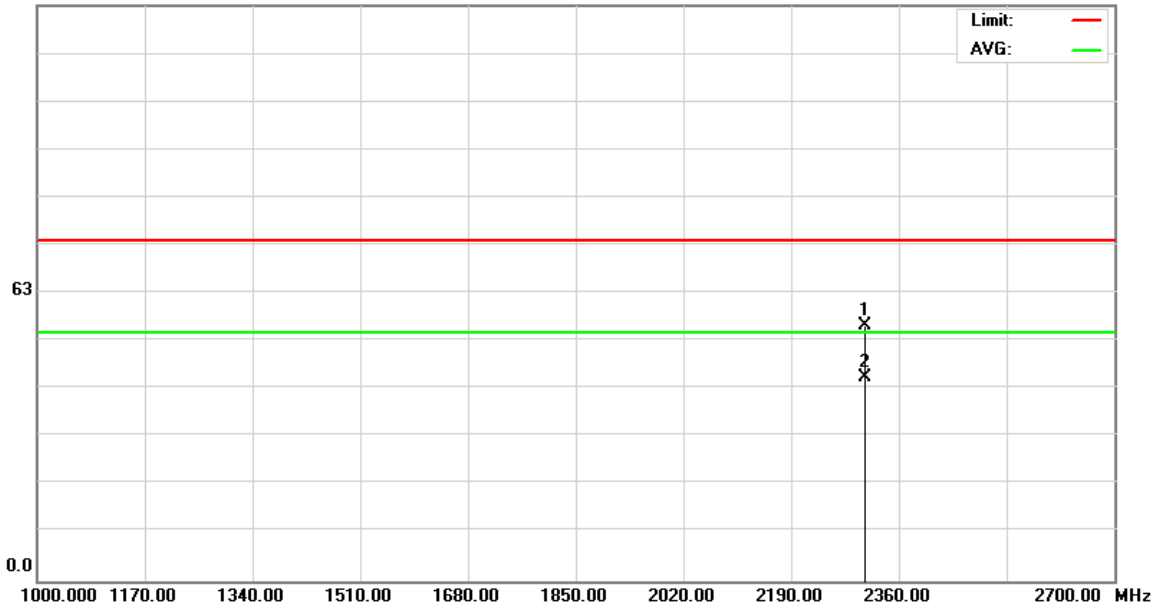
File :C500(03-21-2007)CH06

Data :#1

Date: 2007/03/21

Time: 上午 11:56:29

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2305.600	54.95	0.46	55.41	74.00	-18.59	peak	
2	*	2305.600	43.67	0.46	44.13	54.00	-9.87	AVG	

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

●Reference Only



Radiated Emission Measurement

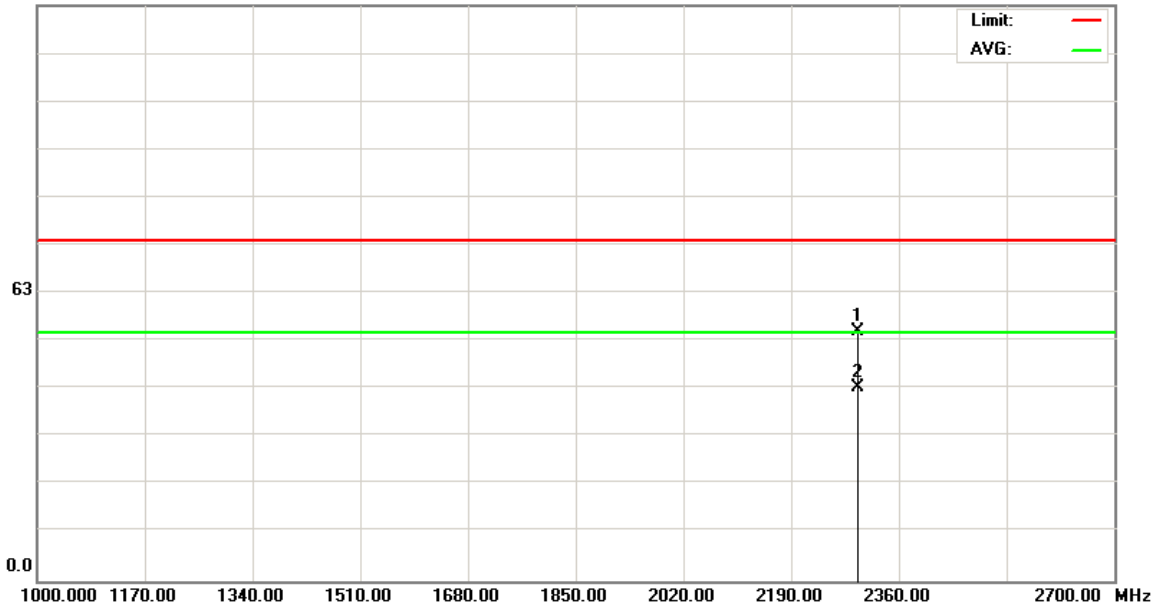
File :C500(03-21-2007)CH06

Data :#3

Date: 2007/03/21

Time: 下午 12:08:49

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2295.400	53.76	0.48	54.24	74.00	-19.76	peak	
2	*	2295.400	41.58	0.48	42.06	54.00	-11.94	AVG	

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

●Reference Only



Radiated Emission Measurement

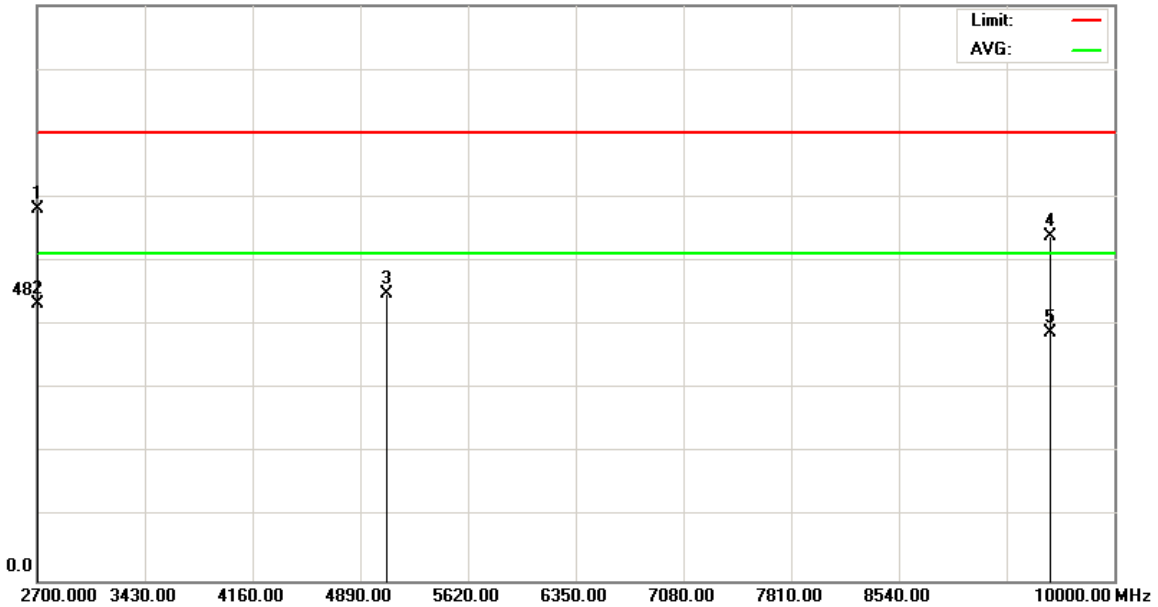
File :C500(03-21-2007)CH06

Data :#5

Date: 2007/03/21

Time: 下午 04:10:38

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

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	Comment
1		2700.000	38.90	22.58	61.48	74.00	-12.52	peak	
2	*	2700.000	23.14	22.58	45.72	54.00	-8.28	AVG	
3		5072.500	39.14	8.21	47.35	74.00	-26.65	peak	
4		9562.000	39.59	17.21	56.80	74.00	-17.20	peak	
5		9562.000	23.68	17.21	40.89	54.00	-13.11	AVG	

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

●Reference Only



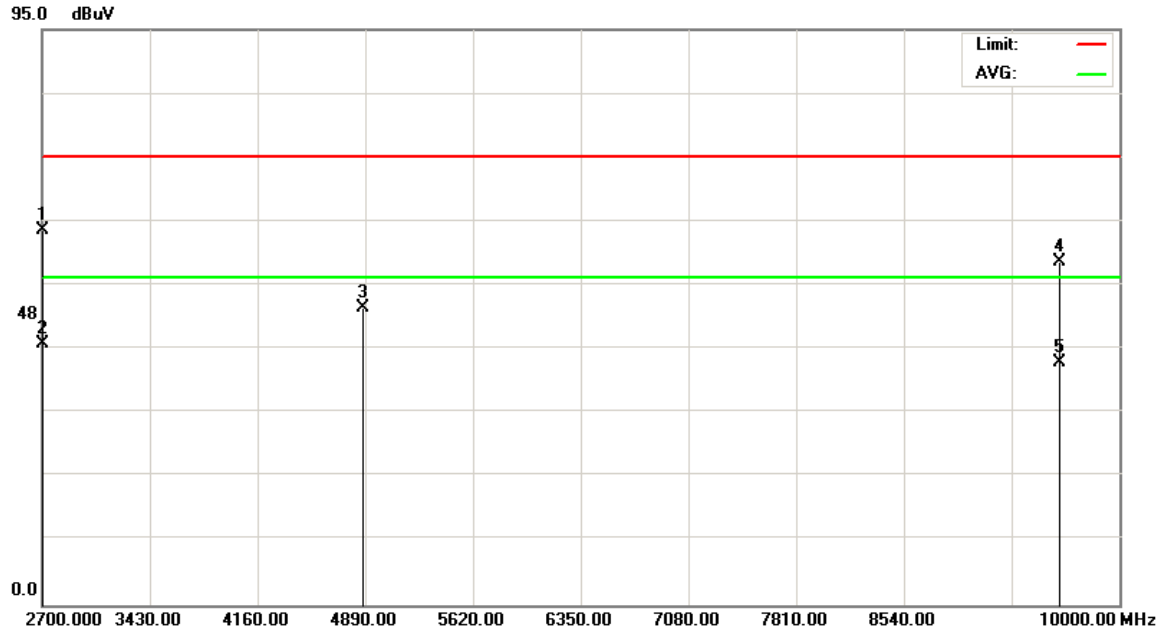
Radiated Emission Measurement

File :C500(03-21-2007)CH06

Data :#7

Date: 2007/03/21

Time: 下午 04:40:02



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH06(2437MHz)

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	Comment
1		2700.000	39.24	22.58	61.82	74.00	-12.18	peak	
2	*	2700.000	20.44	22.58	43.02	54.00	-10.98	AVG	
3		4871.750	41.43	7.72	49.15	74.00	-24.85	peak	
4		9598.500	39.32	17.41	56.73	74.00	-17.27	peak	
5		9598.500	22.60	17.41	40.01	54.00	-13.99	AVG	

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

●Reference Only



Radiated Emission Measurement

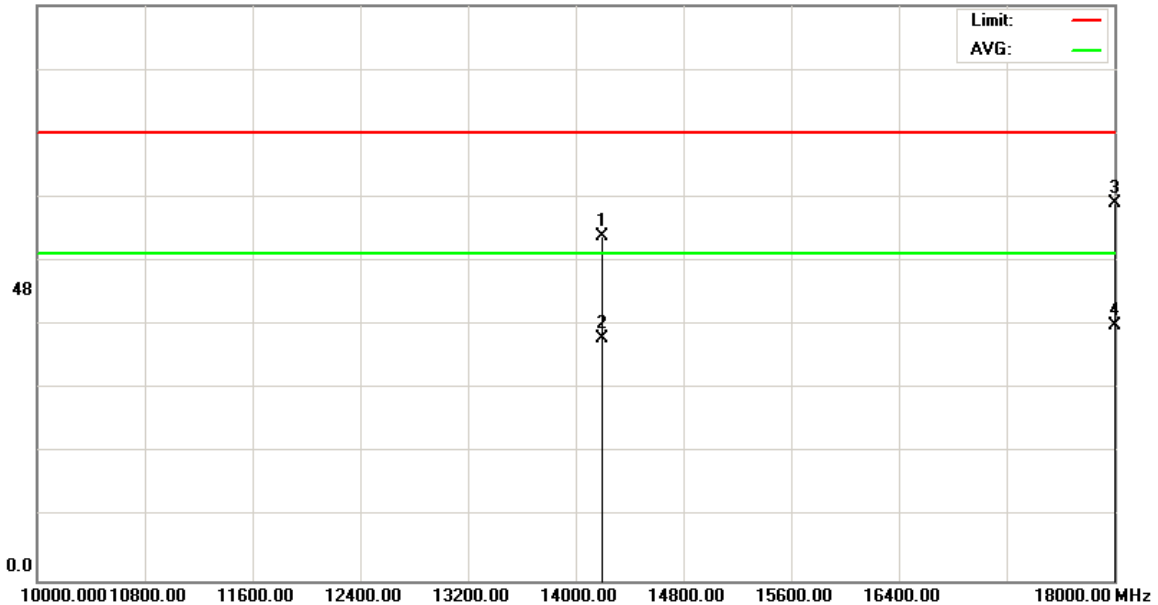
File :C500(03-21-2007)CH06

Data :#9

Date: 2007/03/21

Time: 下午 04:53:11

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14200.00	38.04	18.86	56.90	74.00	-17.10	peak	
2		14200.00	21.15	18.86	40.01	54.00	-13.99	AVG	
3	*	18000.00	36.69	25.57	62.26	74.00	-11.74	peak	
4		18000.00	16.48	25.57	42.05	54.00	-11.95	AVG	

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

●Reference Only



Radiated Emission Measurement

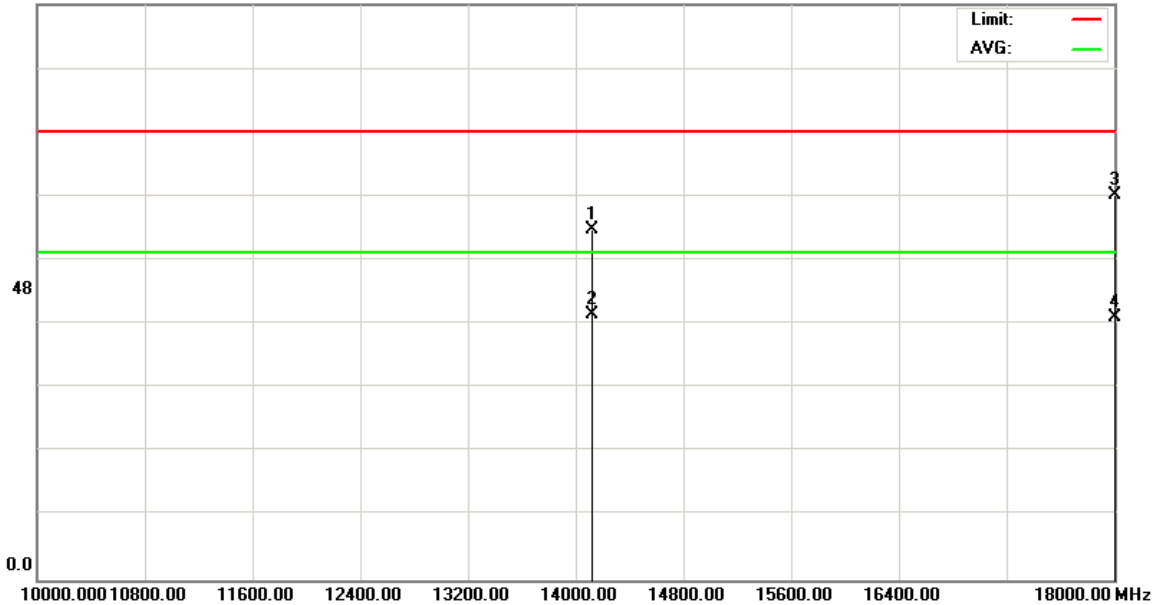
File :C500(03-21-2007)CH06

Data :#11

Date: 2007/03/21

Time: 下午 04:55:00

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14120.00	38.95	18.87	57.82	74.00	-16.18	peak	
2	*	14120.00	24.91	18.87	43.78	54.00	-10.22	AVG	
3		18000.00	37.85	25.57	63.42	74.00	-10.58	peak	
4		18000.00	17.68	25.57	43.25	54.00	-10.75	AVG	

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

●Reference Only



3.6.7 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 : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11g CH11 2462.000 (Local Frequency: 2462.000 MHz)
Test Date : 03/21/2007

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 ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



Radiated Emission Measurement

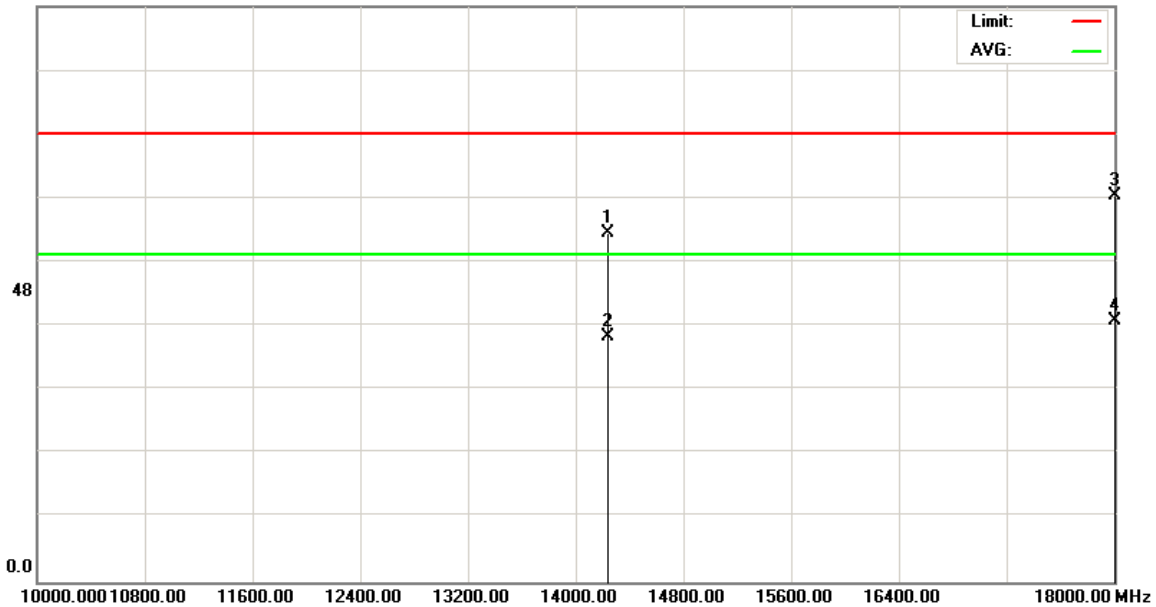
File :C500(03-21-2007)CH11

Data :#9

Date: 2007/03/21

Time: 下午 04:59:14

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

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	Detector	Comment
1		14240.00	38.87	18.71	57.58	74.00	-16.42	peak	
2		14240.00	21.69	18.71	40.40	54.00	-13.60	AVG	
3	*	18000.00	38.21	25.57	63.78	74.00	-10.22	peak	
4		18000.00	17.58	25.57	43.15	54.00	-10.85	AVG	

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

●Reference Only



Radiated Emission Measurement

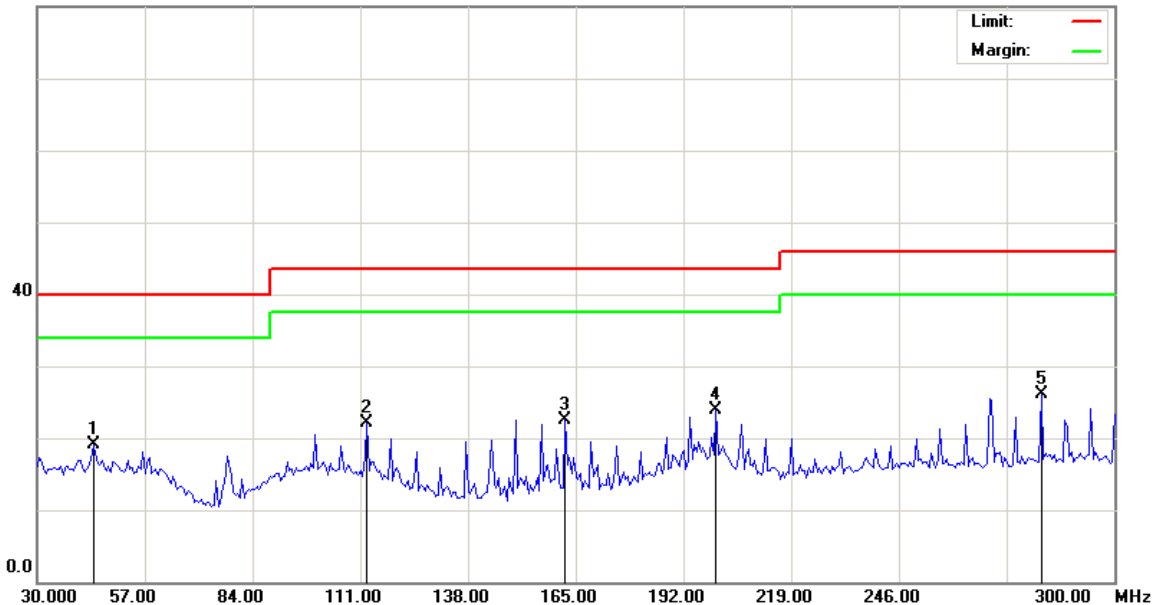
File :C500(03-21-2007)1G以下

Data :#11

Date: 2007/03/21

Time: 下午 07:25:47

80.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1		44.0399	30.97	-11.84	19.13	40.00	-20.87	peak	
2		112.6200	35.10	-12.95	22.15	43.50	-21.35	peak	
3		162.3000	37.97	-15.40	22.57	43.50	-20.93	peak	
4	*	200.0999	37.10	-13.18	23.92	43.50	-19.58	peak	
5		281.6399	36.47	-10.37	26.10	46.00	-19.90	peak	

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

●Reference Only



Radiated Emission Measurement

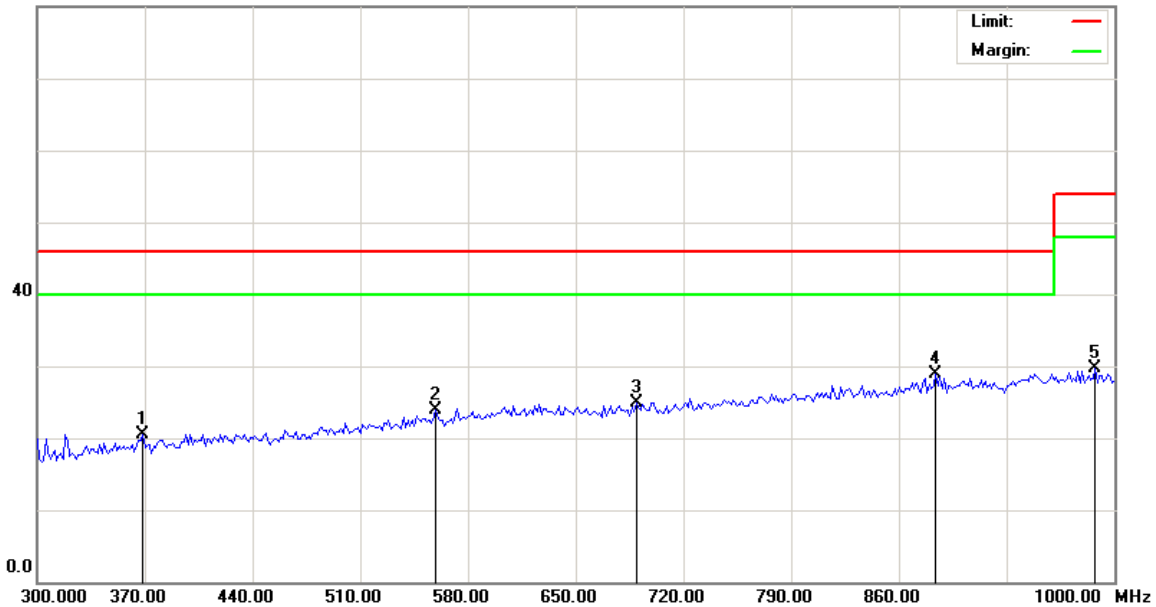
File :C500(03-21-2007)1G以下

Data :#10

Date: 2007/03/21

Time: 下午 07:21:32

80.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1		368.6000	29.30	-8.70	20.60	46.00	-25.40	peak	
2		559.0000	29.54	-5.69	23.85	46.00	-22.15	peak	
3		689.2000	29.14	-4.25	24.89	46.00	-21.11	peak	
4	*	883.7999	29.14	-0.25	28.89	46.00	-17.11	peak	
5		987.3999	28.90	0.73	29.63	54.00	-24.37	peak	

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

●Reference Only



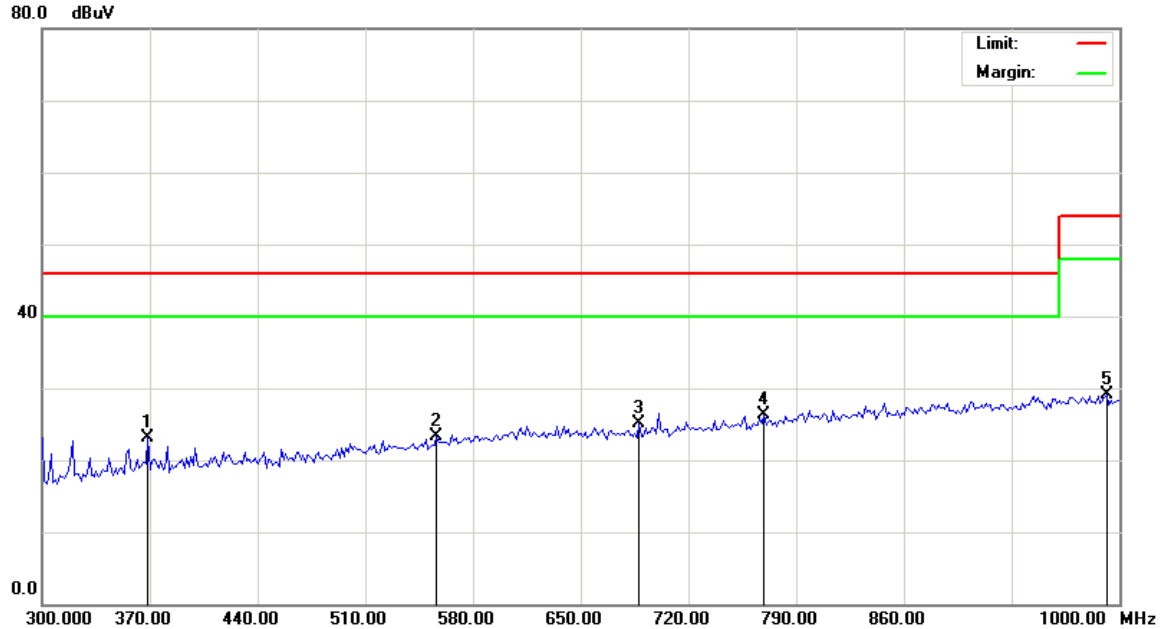
Radiated Emission Measurement

File :C500(03-21-2007)1G以下

Data :#12

Date: 2007/03/21

Time: 下午 07:30:03



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1		368.6000	31.89	-8.70	23.19	46.00	-22.81	peak	
2		556.2000	29.05	-5.77	23.28	46.00	-22.72	peak	
3		687.8000	29.34	-4.27	25.07	46.00	-20.93	peak	
4	*	769.0000	28.88	-2.65	26.23	46.00	-19.77	peak	
5		991.6000	28.20	0.88	29.08	54.00	-24.92	peak	

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

●Reference Only



Radiated Emission Measurement

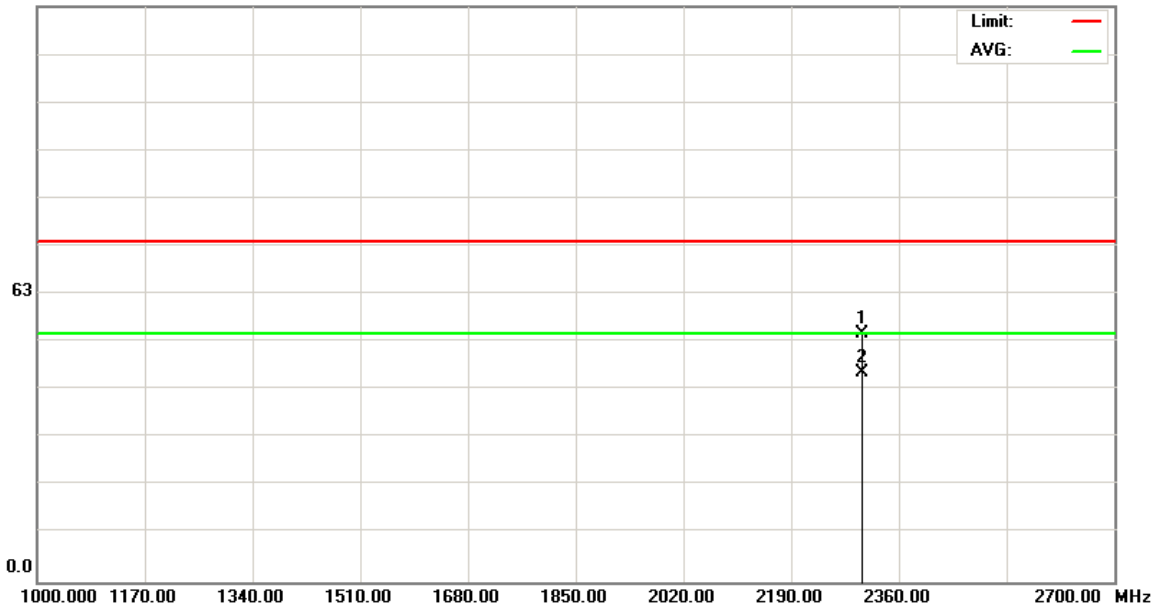
File :C500(03-21-2007)CH11

Data :#1

Date: 2007/03/21

Time: 下午 12:00:29

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2302.200	53.52	0.51	54.03	74.00	-19.97	peak	
2	*	2302.200	44.97	0.51	45.48	54.00	-8.52	AVG	

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

●Reference Only



Radiated Emission Measurement

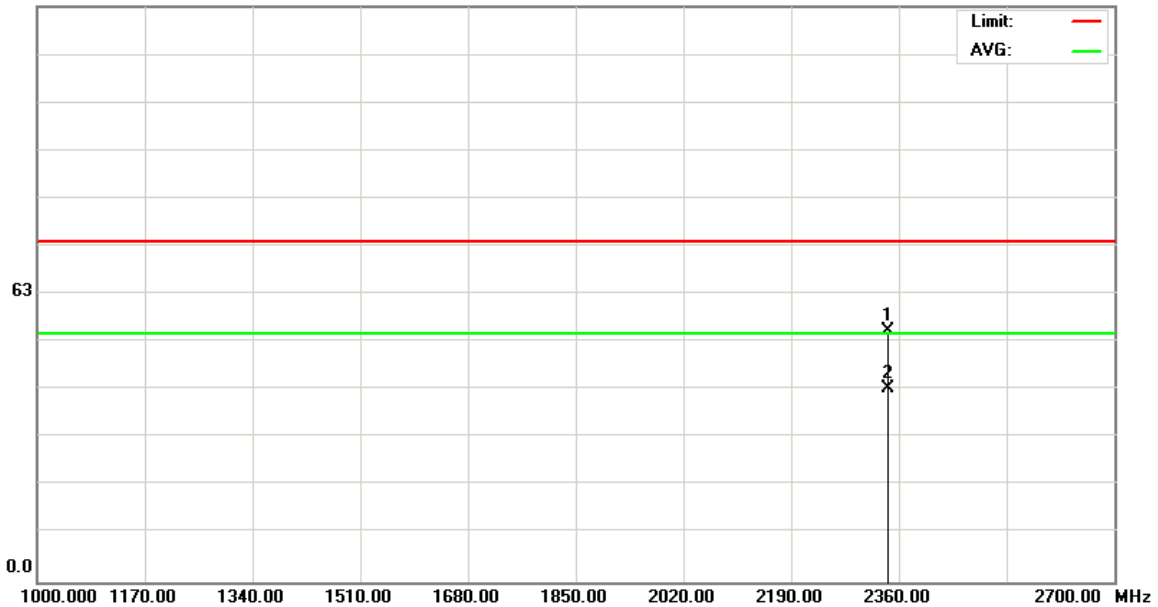
File :C500(03-21-2007)CH11

Data :#3

Date: 2007/03/21

Time: 下午 12:05:15

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2343.000	54.35	0.22	54.57	74.00	-19.43	peak	
2	*	2343.000	41.85	0.22	42.07	54.00	-11.93	AVG	

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

●Reference Only



Radiated Emission Measurement

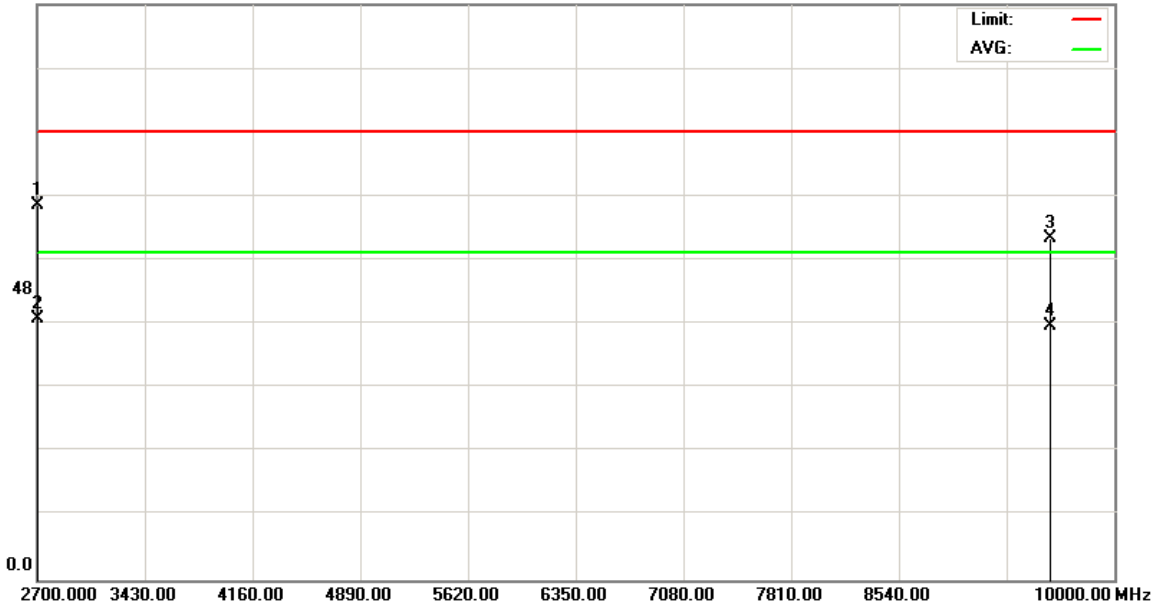
File :C500(03-21-2007)CH11

Data :#5

Date: 2007/03/21

Time: 下午 04:17:43

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

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	Detector	Comment
1		2700.000	39.26	22.58	61.84	74.00	-12.16	peak	
2	*	2700.000	20.45	22.58	43.03	54.00	-10.97	AVG	
3		9562.000	39.23	17.21	56.44	74.00	-17.56	peak	
4		9562.000	24.68	17.21	41.89	54.00	-12.11	AVG	

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

●Reference Only



Radiated Emission Measurement

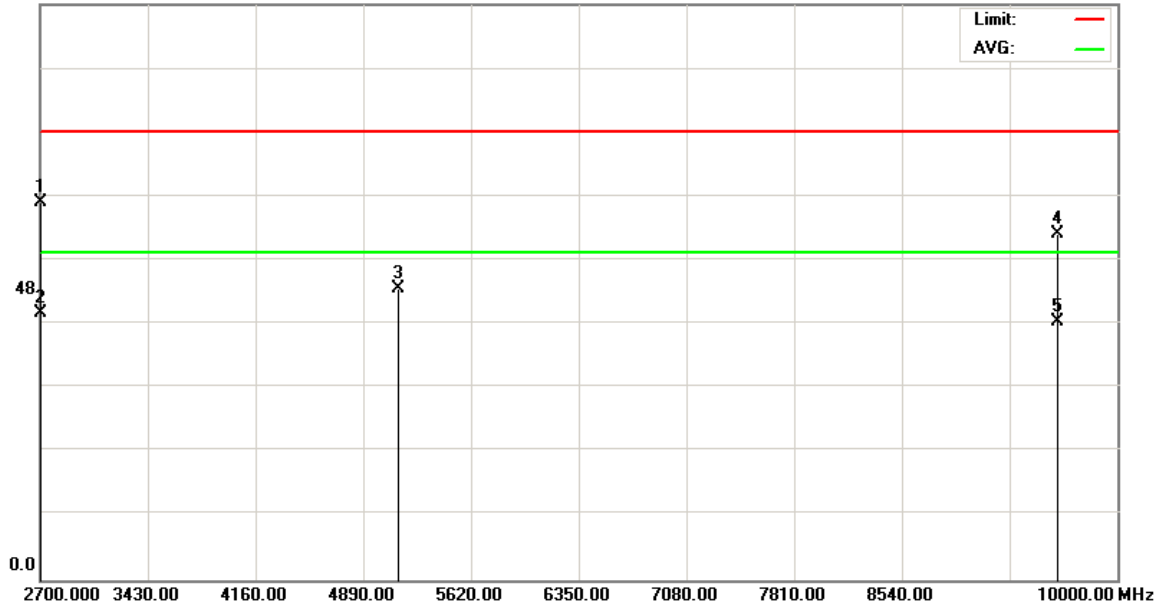
File :C500(03-21-2007)CH11

Data :#7

Date: 2007/03/21

Time: 下午 04:21:38

95.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

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	Detector	Comment
1		2700.000	39.67	22.58	62.25	74.00	-11.75	peak	
2	*	2700.000	21.50	22.58	44.08	54.00	-9.92	AVG	
3		5127.250	39.59	8.46	48.05	74.00	-25.95	peak	
4		9598.500	39.68	17.41	57.09	74.00	-16.91	peak	
5		9598.500	25.18	17.41	42.59	54.00	-11.41	AVG	

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

●Reference Only



Radiated Emission Measurement

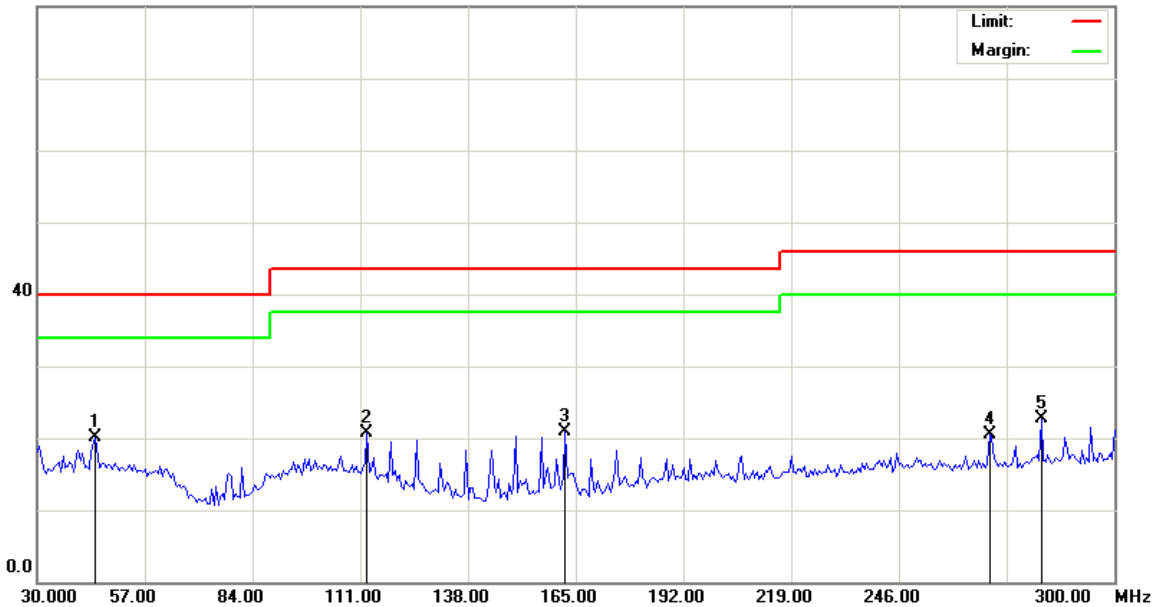
File : C500(03-21-2007)1G以下

Data : #9

Date: 2007/03/21

Time: 下午 07:17:16

80.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)

10G - 18G AV PRE 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	Comment
1	*	44.5799	31.84	-11.83	20.01	40.00	-19.99	peak	
2		112.6200	33.68	-12.95	20.73	43.50	-22.77	peak	
3		162.3000	36.24	-15.40	20.84	43.50	-22.66	peak	
4		268.6800	31.56	-10.96	20.60	46.00	-25.40	peak	
5		281.6399	33.13	-10.37	22.76	46.00	-23.24	peak	

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

●Reference Only



Radiated Emission Measurement

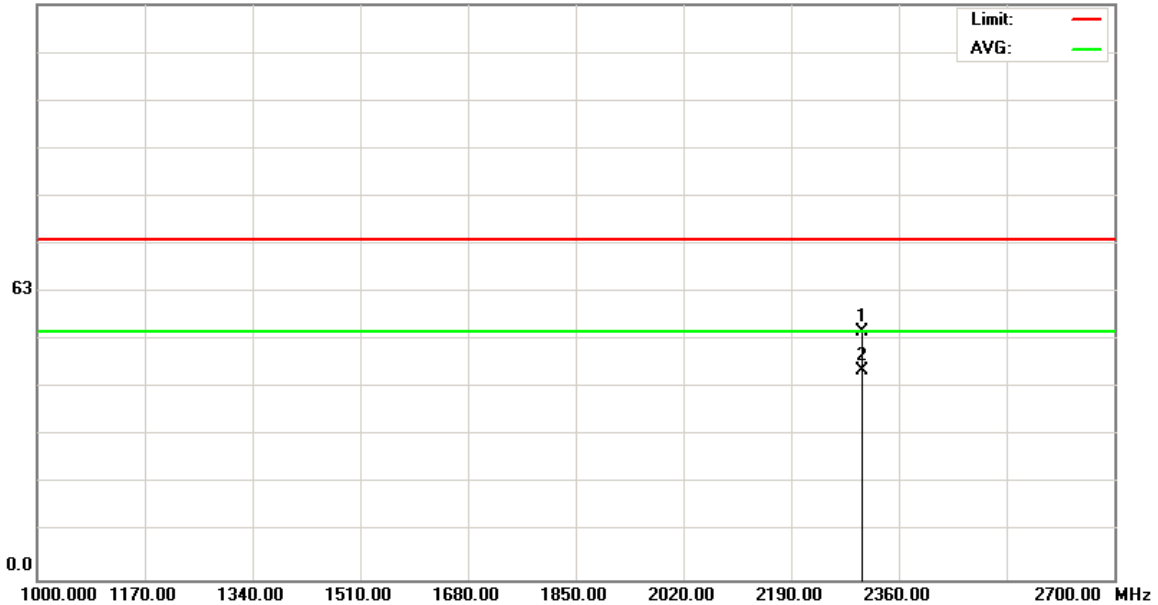
File :C500(03-21-2007)CH11

Data :#1

Date: 2007/03/21

Time: 下午 12:00:29

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2302.200	53.52	0.51	54.03	74.00	-19.97	peak	
2	*	2302.200	44.97	0.51	45.48	54.00	-8.52	AVG	

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

●Reference Only

4. Maximum Conducted Output Power Requirements

4.1 Test Condition & Setup:

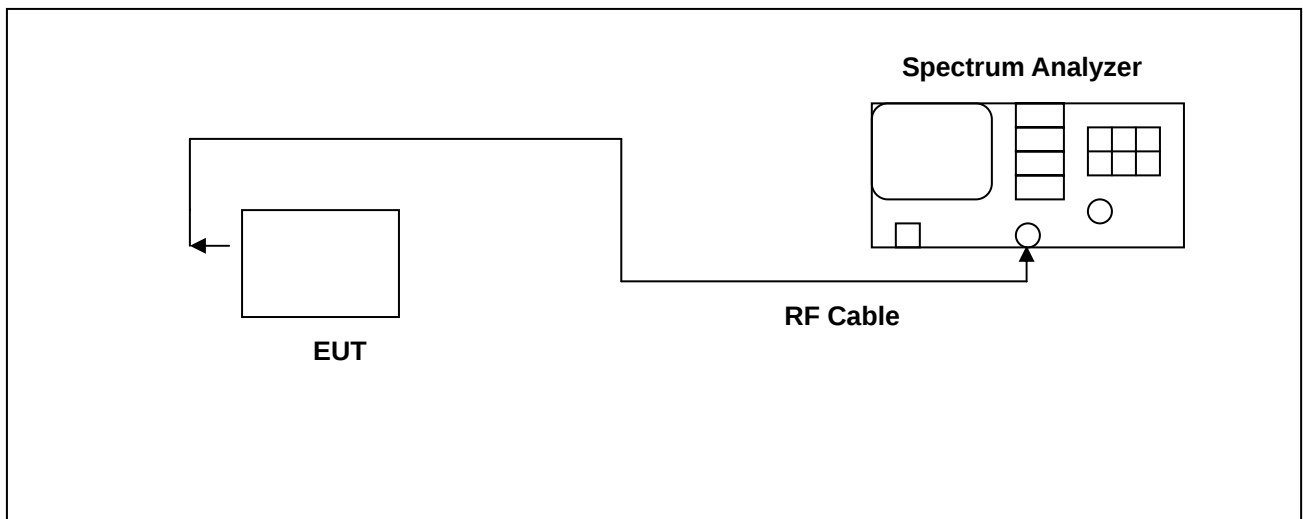
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to spectrum analyzer. 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	May. 09, 2006	May. 09, 2007

4.4 Test Result:

802.11b

Frequency (MHz)	Output (dBm)	Required Limit
2412	15.38	<30dBm
2437	16.86	<30dBm
2462	16.23	<30dBm

802.11g

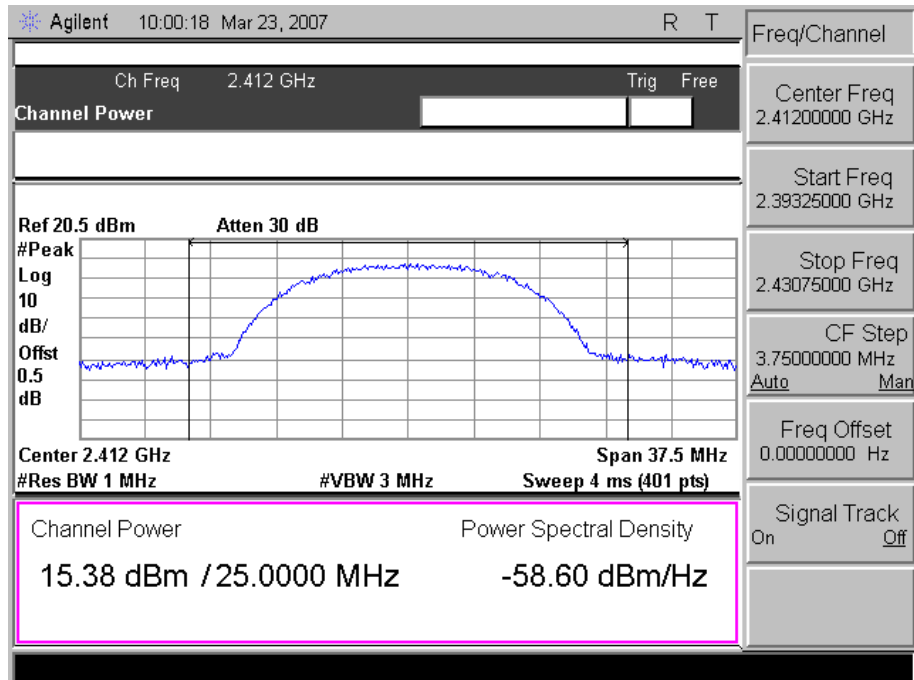
Frequency (MHz)	Output (dBm)	Required Limit
2412	14.78	<30dBm
2437	15.43	<30dBm
2462	14.95	<30dBm

Note: Test Graphs See next page.

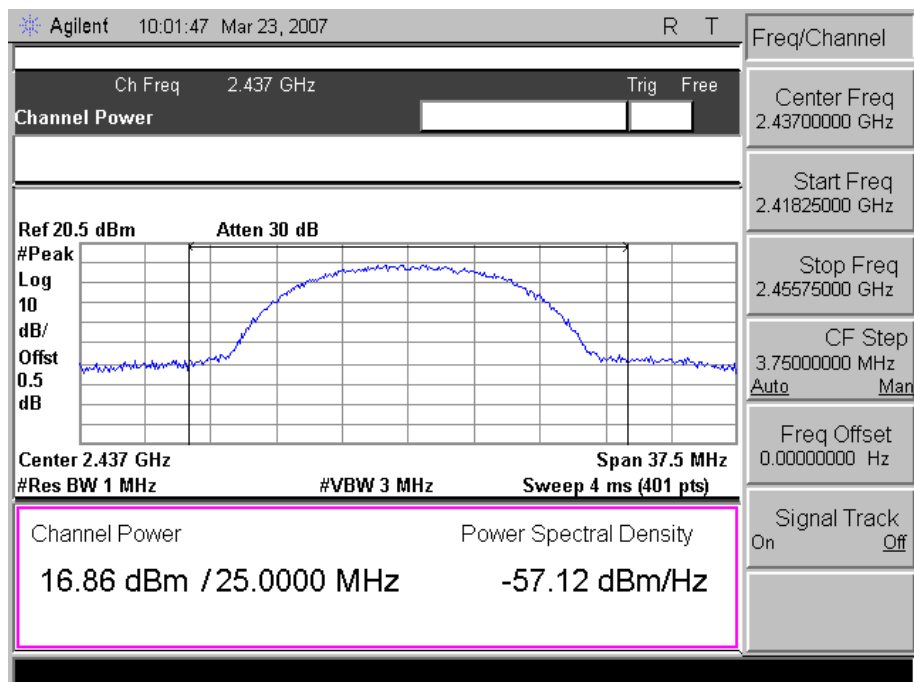


4.5 Test Graphs

802.11b CH1 (2412MHz)

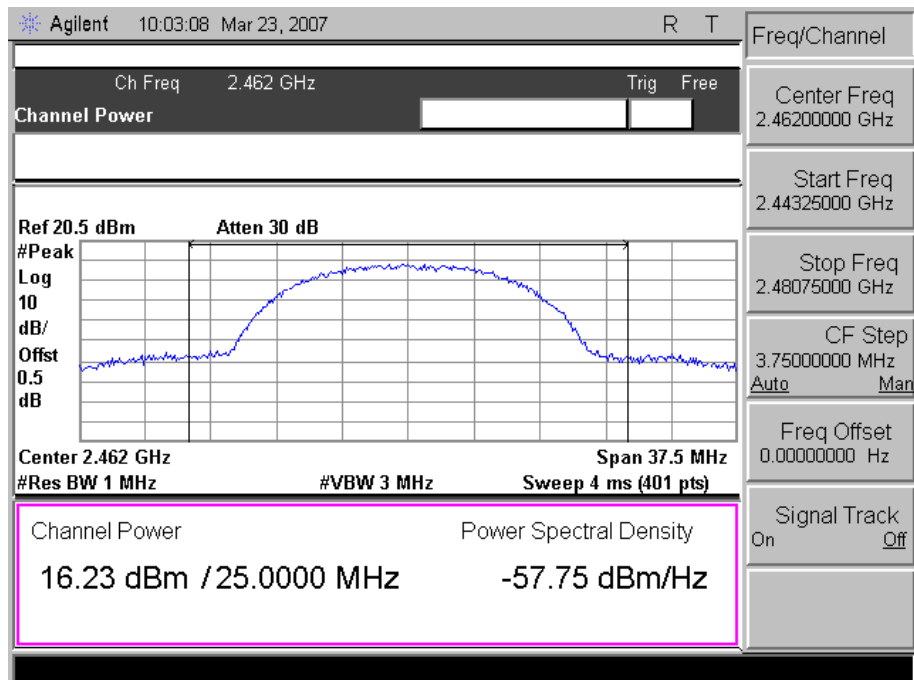


802.11b CH6 (2437MHz)



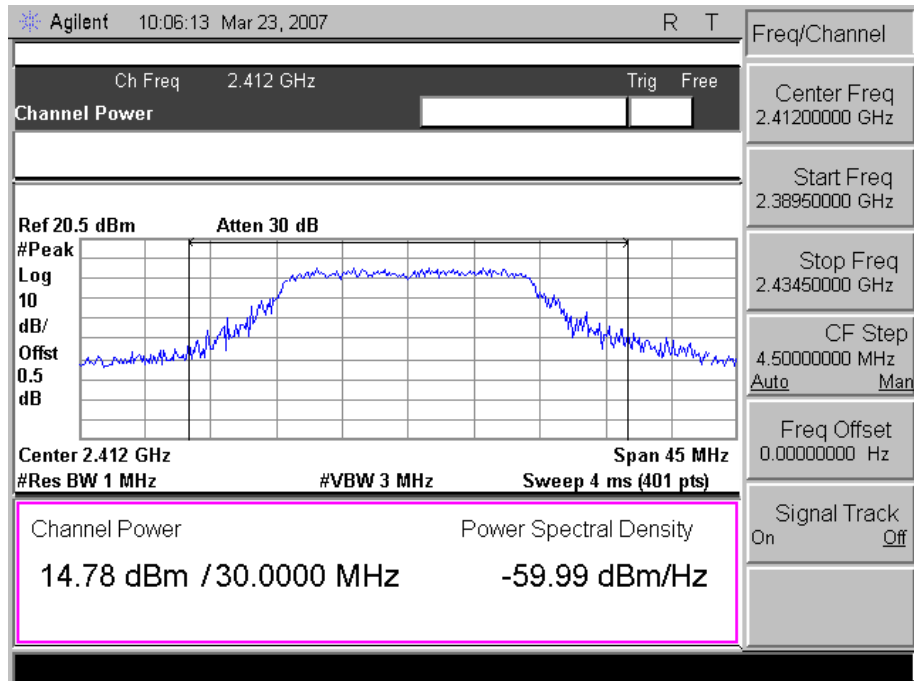


802.11b CH11 (2462MHz)

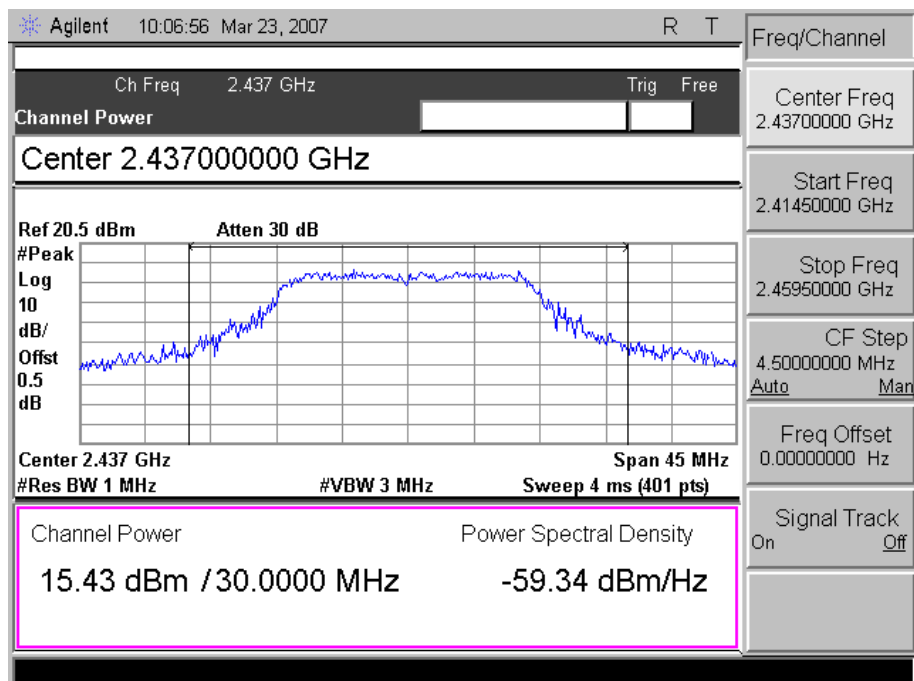




802.11g CH1 (2412MHz)

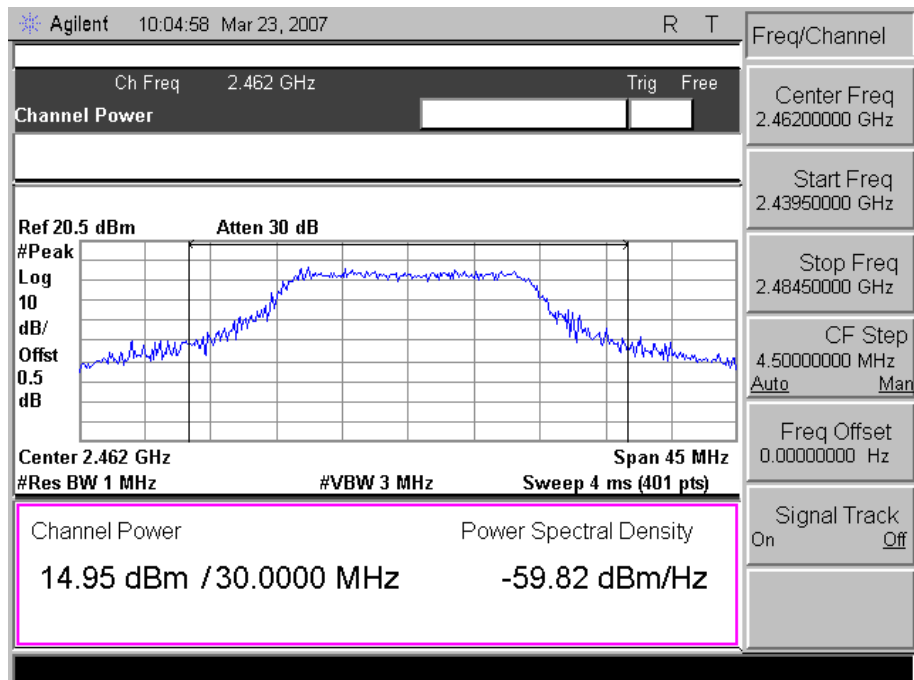


802.11g CH6 (2437MHz)





802.11g CH11 (2462MHz)



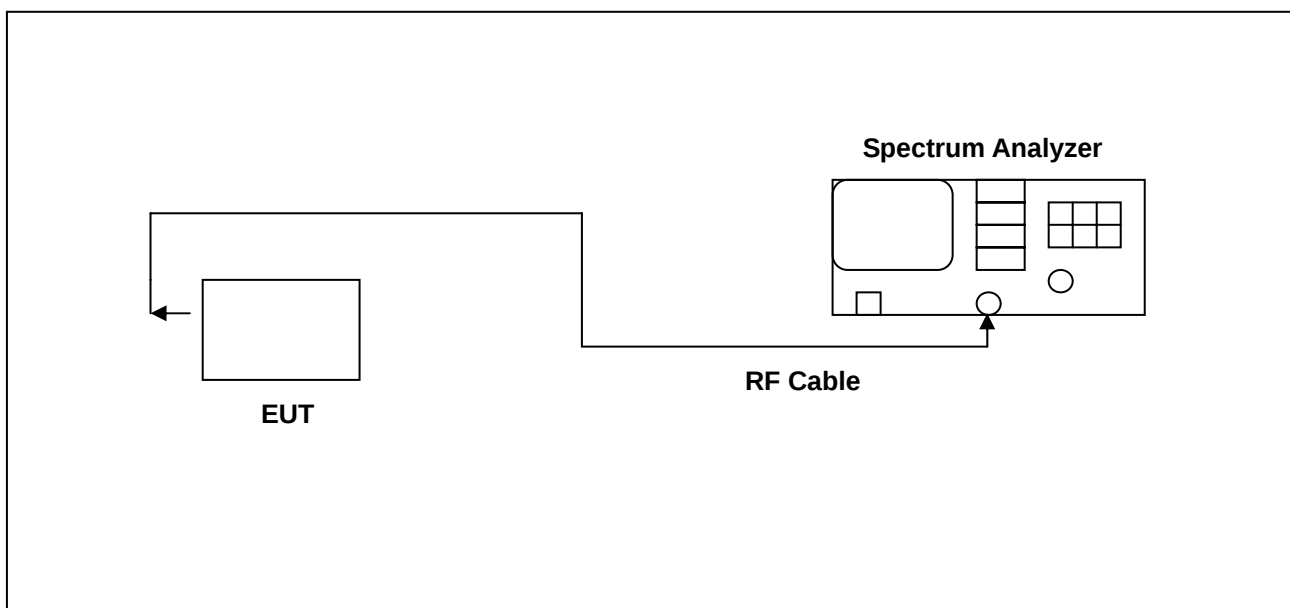


5. Minimum 6dB RF Bandwidth Requirements

5.1 Test Condition & Setup:

The 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	May. 09, 2006	May. 09, 2007



5.4 Test Result:

802.11b

Frequency (MHz)	Min. 6dB Bandwidth (MHz)	Required Limit
2412	9.125	> 500 KHz
2437	9.125	> 500 KHz
2462	9.750	> 500 KHz

802.11g

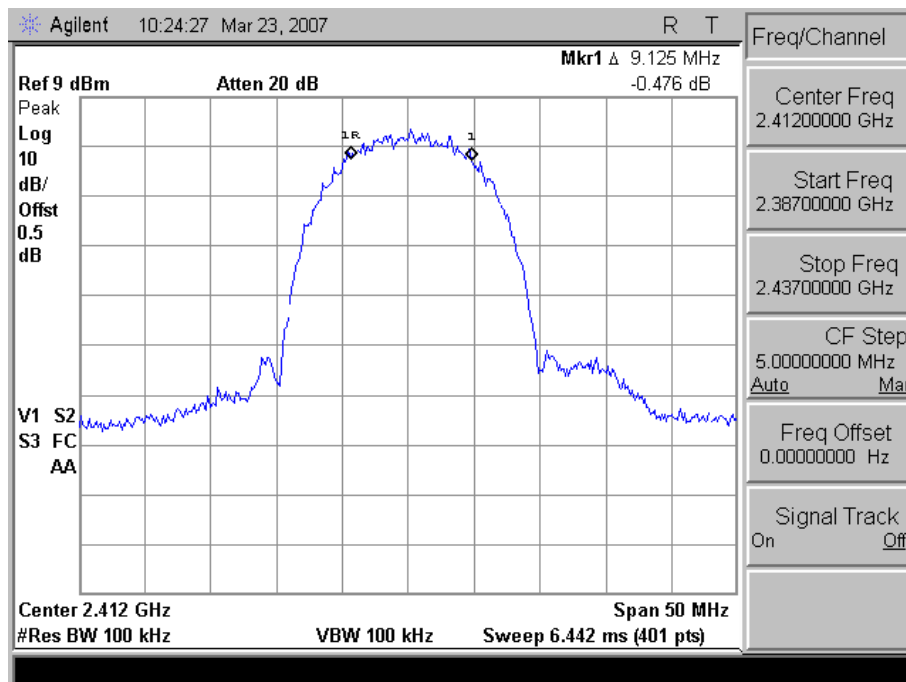
Frequency (MHz)	Min. 6dB Bandwidth (MHz)	Required Limit
2412	16.50	> 500 KHz
2437	16.25	> 500 KHz
2462	16.25	> 500 KHz

Note: Test Graphs See next page.

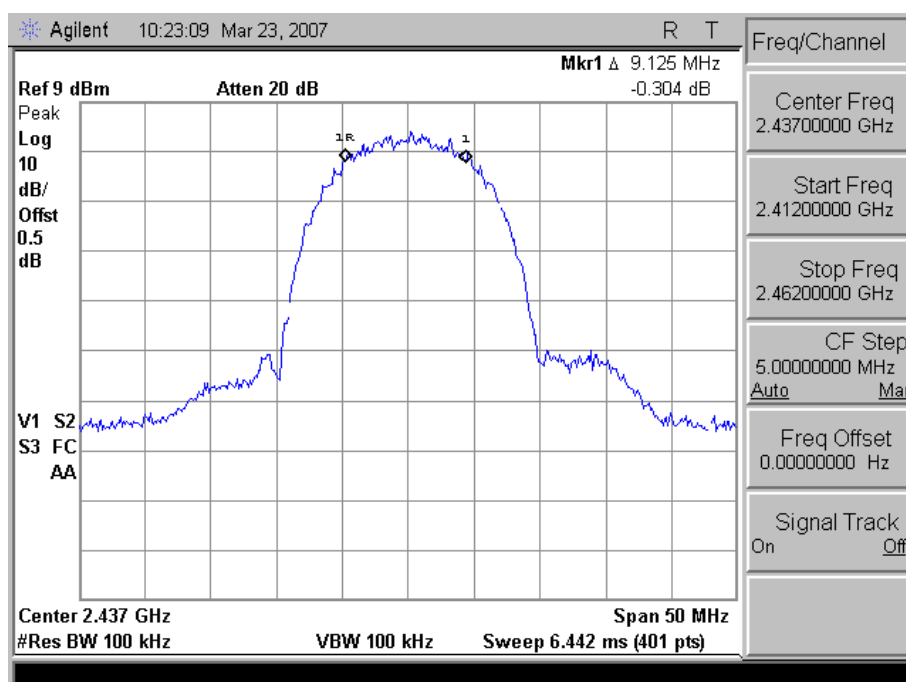


5.5 Test Graphs

802.11b (2412MHz)

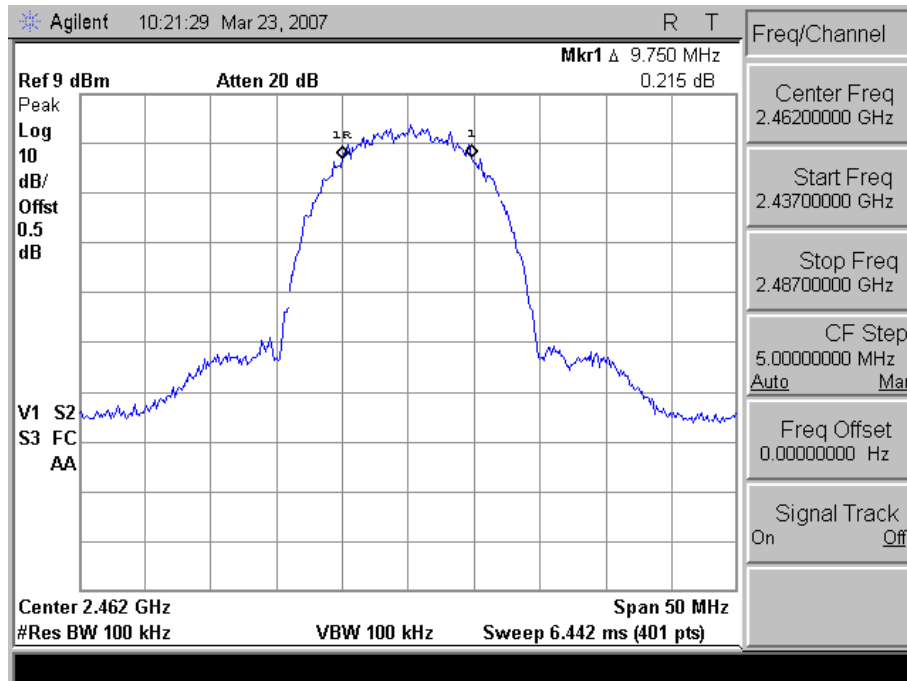


802.11b (2437MHz)



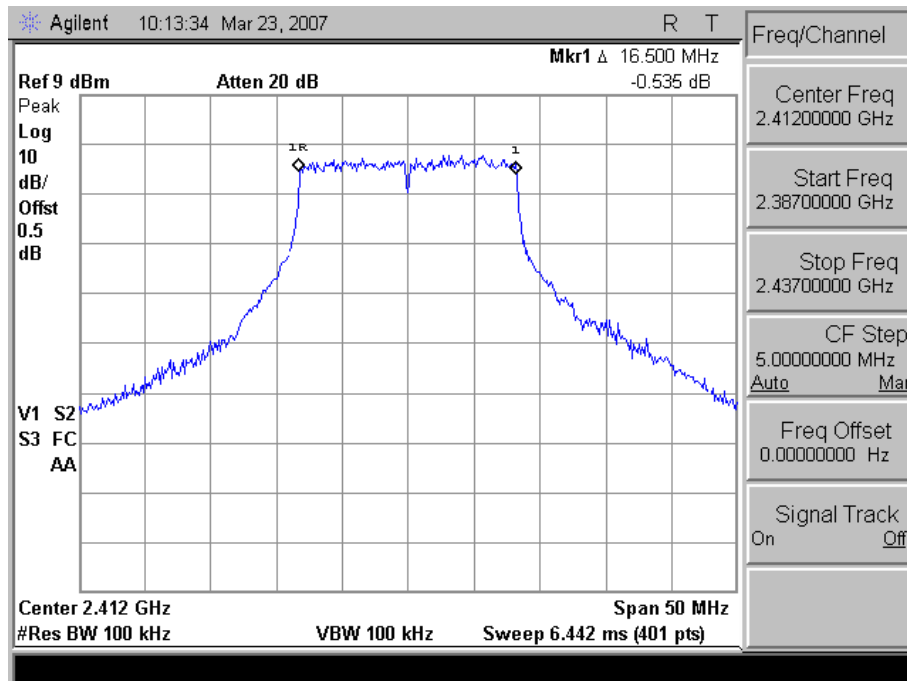


802.11b (2462MHz)

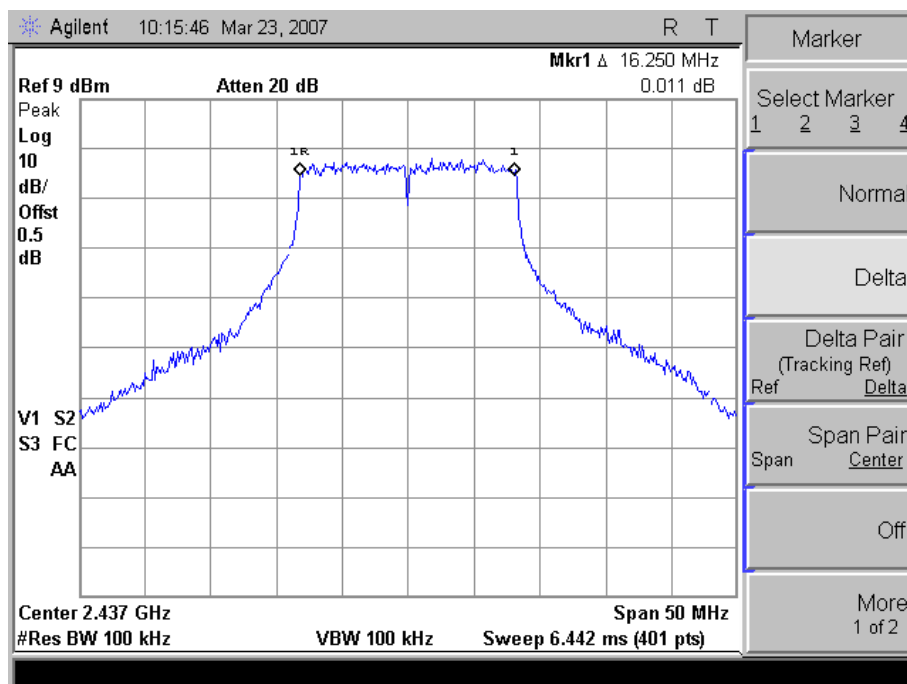




802.11g (2412MHz)

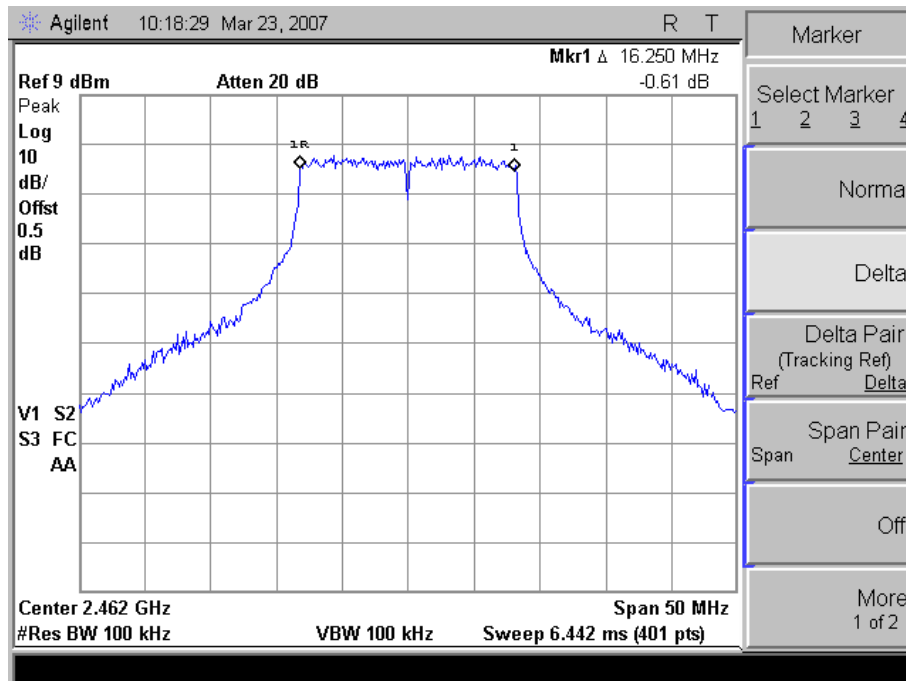


802.11g (2437MHz)





802.11g (2462MHz)



6. Maximum Power Density Requirements

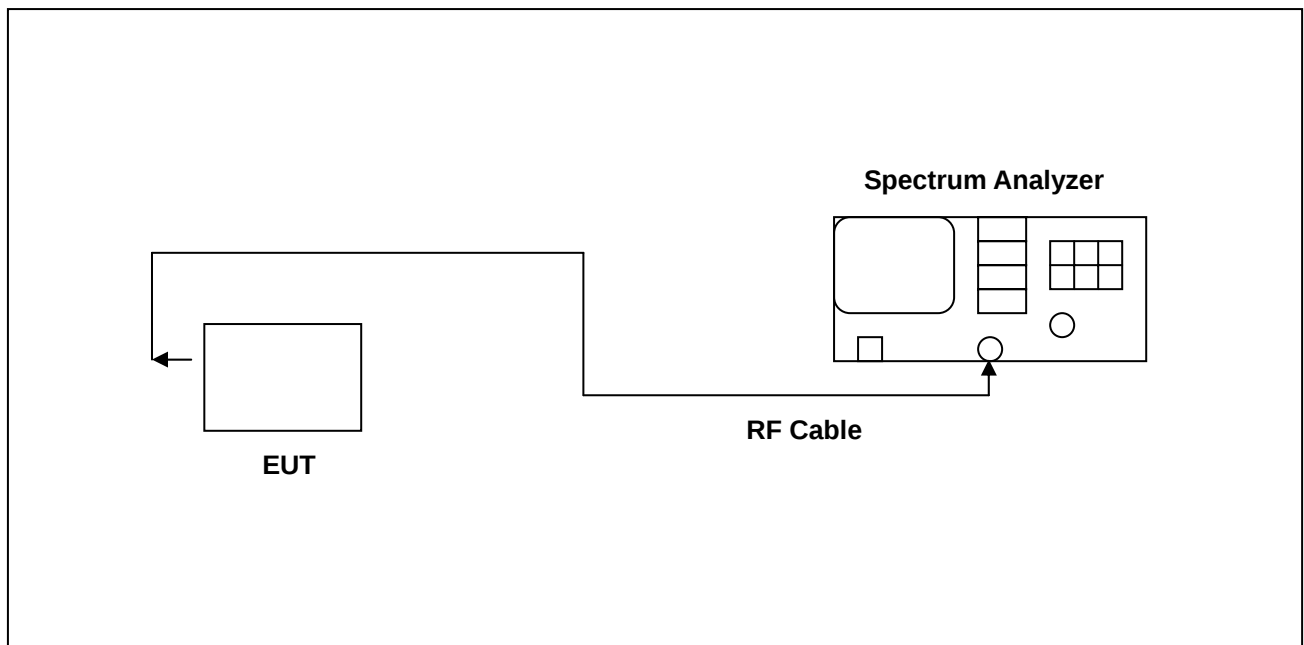
6.1 Test Condition & Setup:

The 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	May. 09, 2006	May. 09, 2007

6.4 Test Result:

802.11b

Frequency (MHz)	Power Density (dBm)	Required Limit
2412	-12.85	<8dBm
2437	-14.14	<8dBm
2462	-12.68	<8dBm

802.11g

Frequency (MHz)	Power Density (dBm)	Required Limit
2412	-17.16	<8dBm
2437	-16.58	<8dBm
2462	-16.90	<8dBm

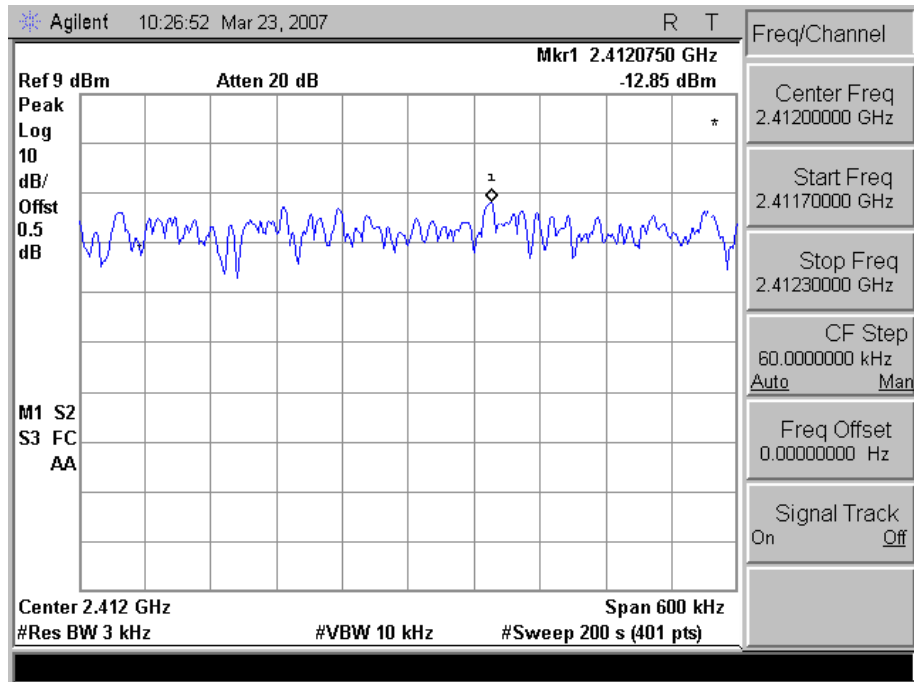
Note:

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

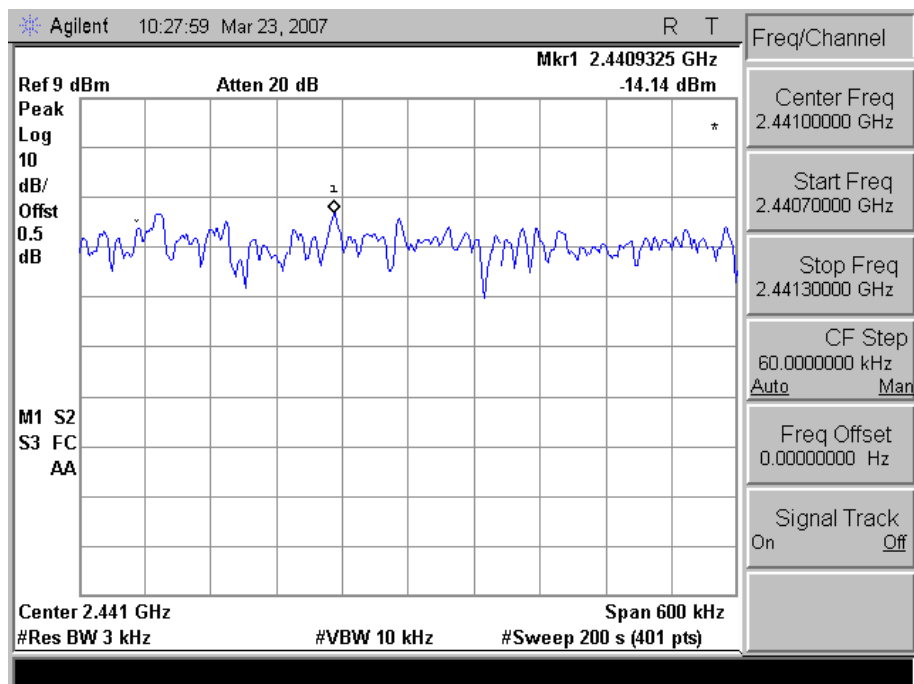


6.5 Test Graphs

802.11b (2412MHz)

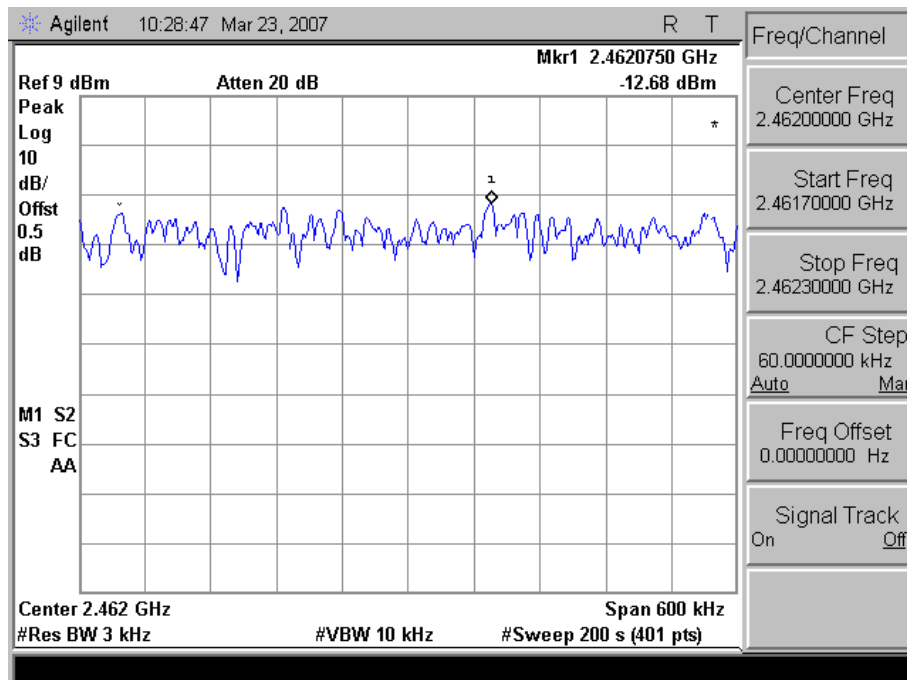


802.11b (2437MHz)



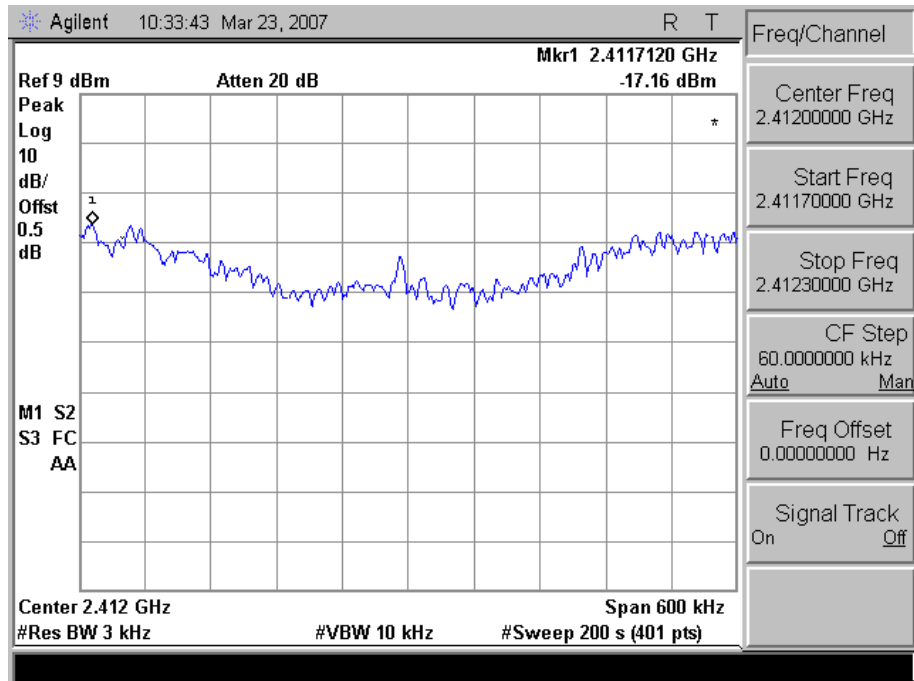


802.11b (2462MHz)

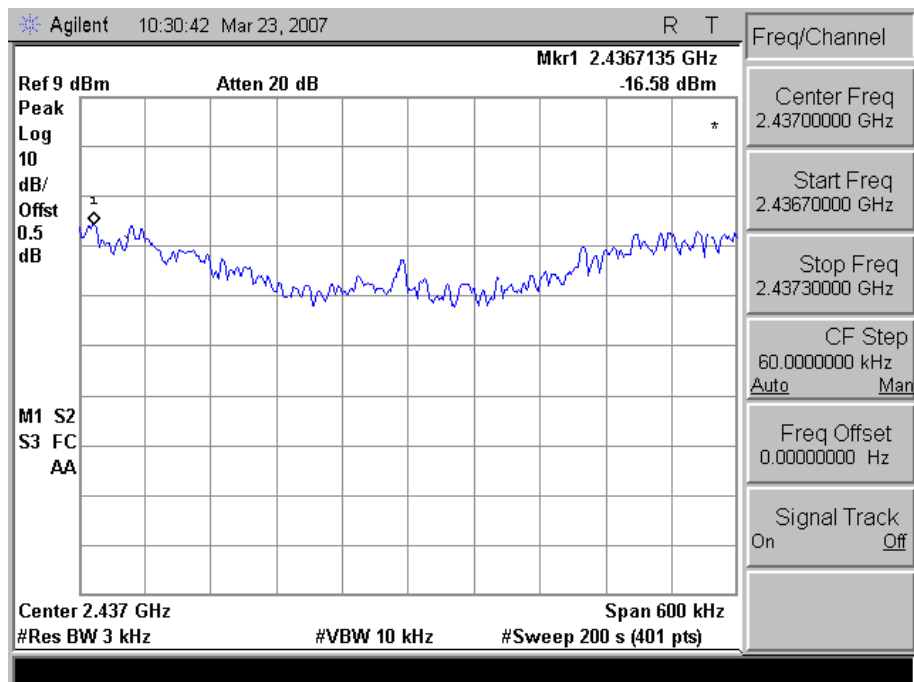




802.11g (2412MHz)

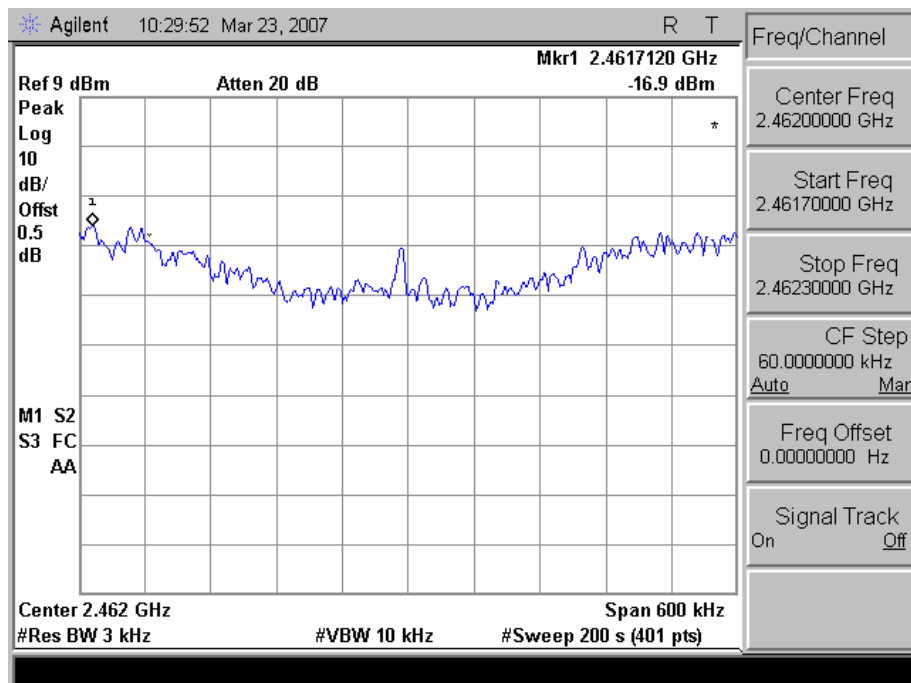


802.11g (2437MHz)





802.11g (2462MHz)



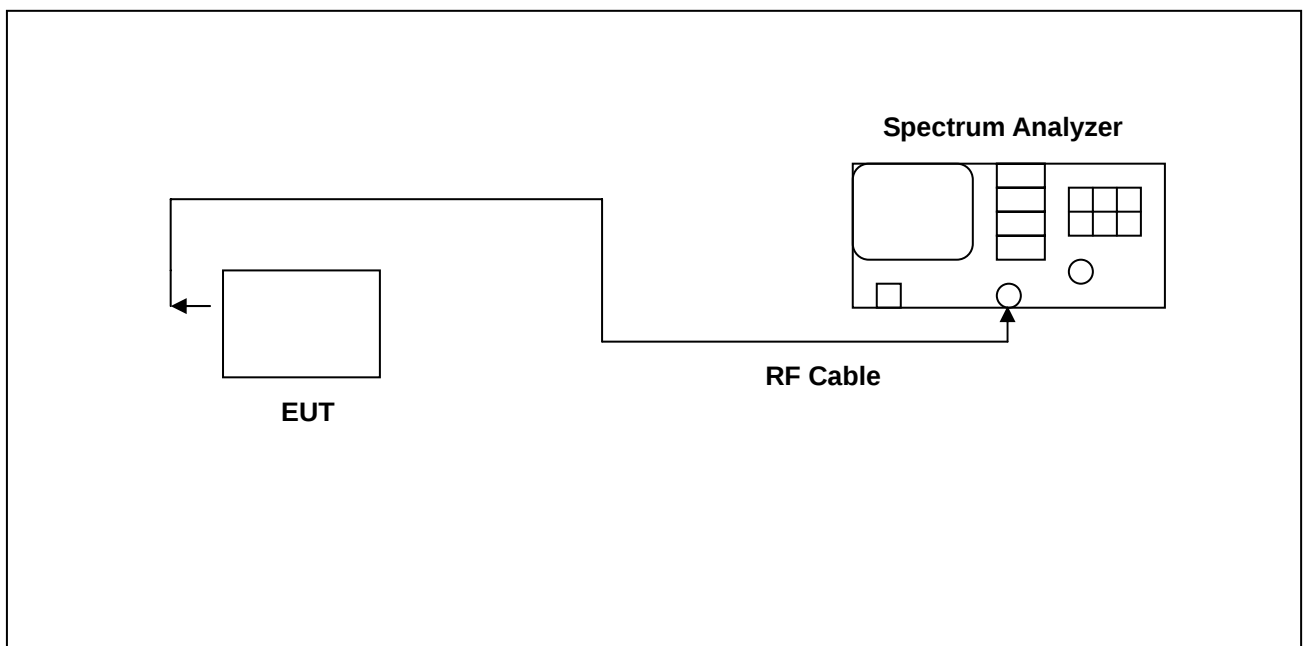
7. Out of Band Conducted Emissions Requirements

7.1 Test Condition & Setup:

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	May. 09, 2006	May. 09, 2007

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

Radiated Emission Measurement

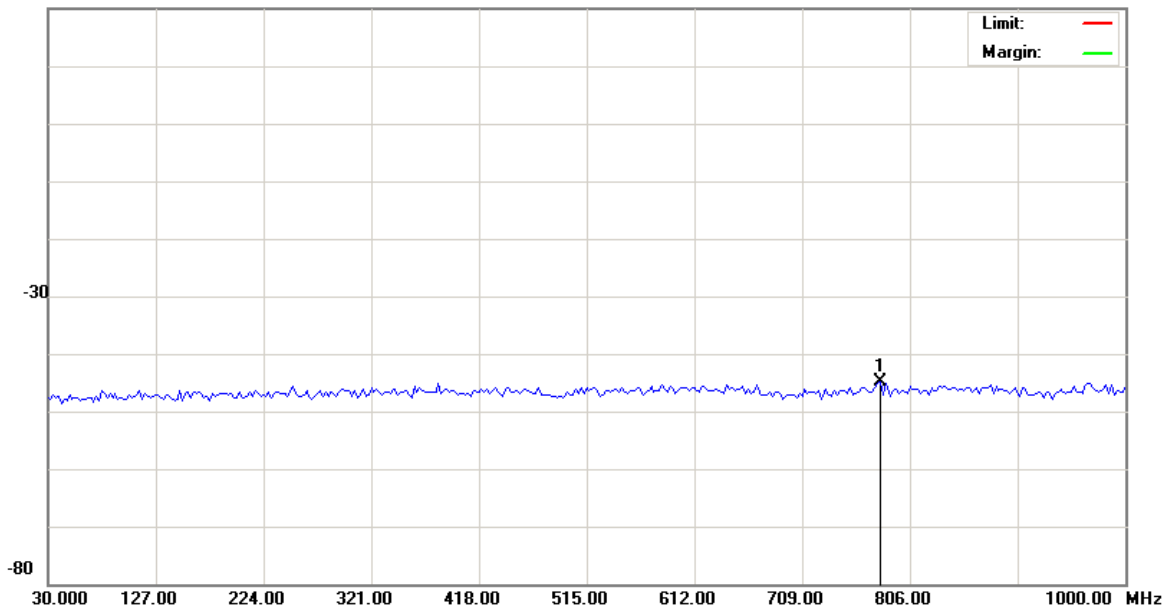
File :C500(03-21-2007)20dB

Data :#1

Date: 2007/03/23

Time: 上午 10:44:35

20.0 dBm



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH01

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	779.3250	-44.78	0.00	-44.78			peak	

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

●Reference Only



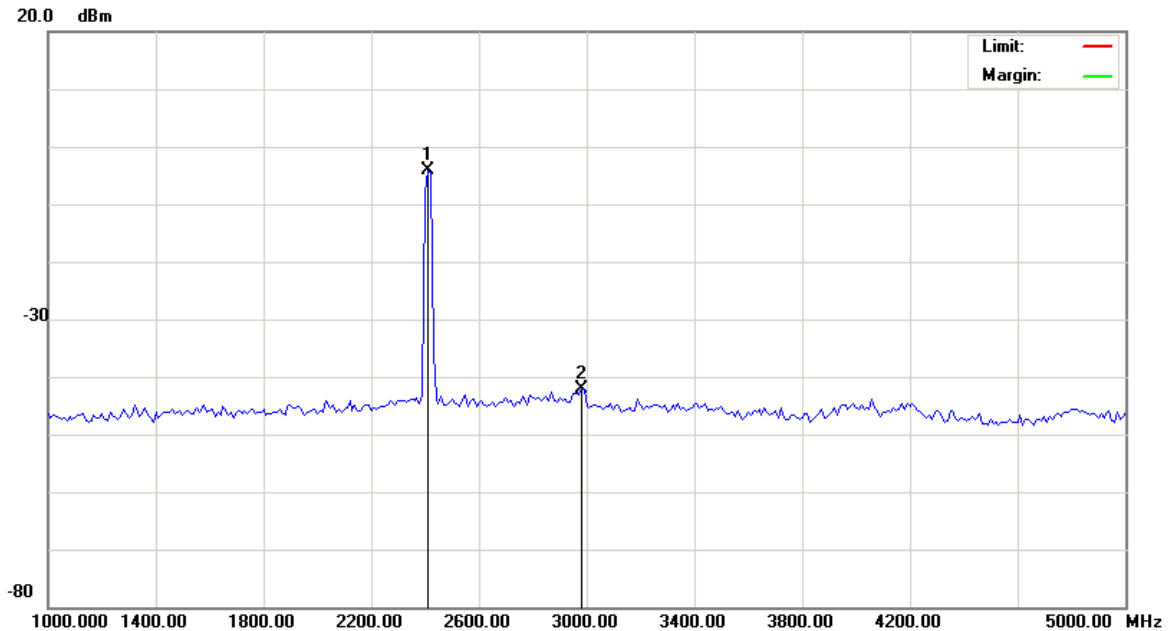
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#2

Date: 2007/03/23

Time: 上午 10:44:48



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH01

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2410.000	-4.21	0.00	-4.21			peak	
2		2980.000	-42.10	0.00	-42.10			peak	

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

●Reference Only



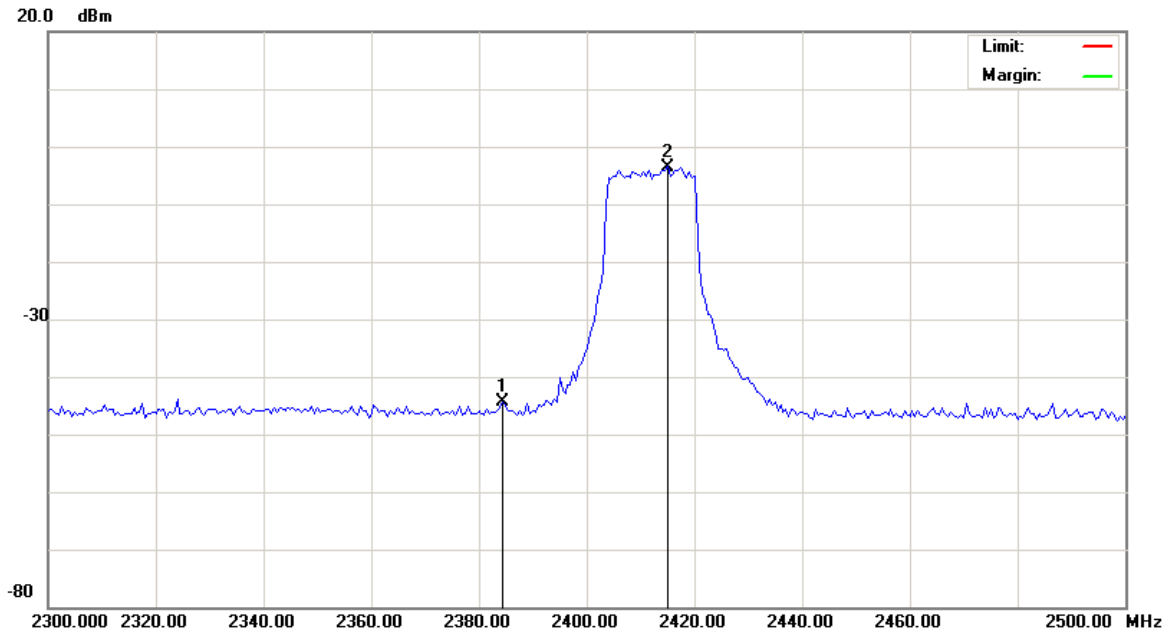
Radiated Emission Measurement

File : C500(03-21-2007)20dB

Data : #3

Date: 2007/03/23

Time: 上午 10:45:01



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH01

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2384.500	-44.35	0.00	-44.35			peak	
2	*	2415.000	-3.50	0.00	-3.50			peak	

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

●Reference Only



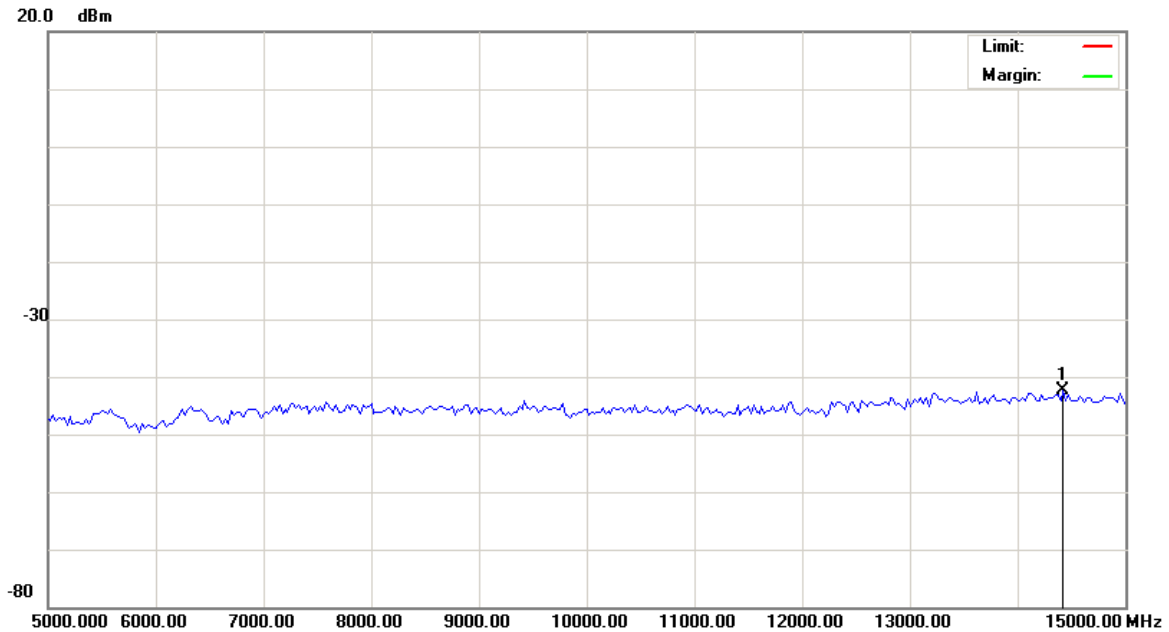
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#4

Date: 2007/03/23

Time: 上午 10:45:13



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH01

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14425.00	-42.39	0.00	-42.39			peak	

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

●Reference Only



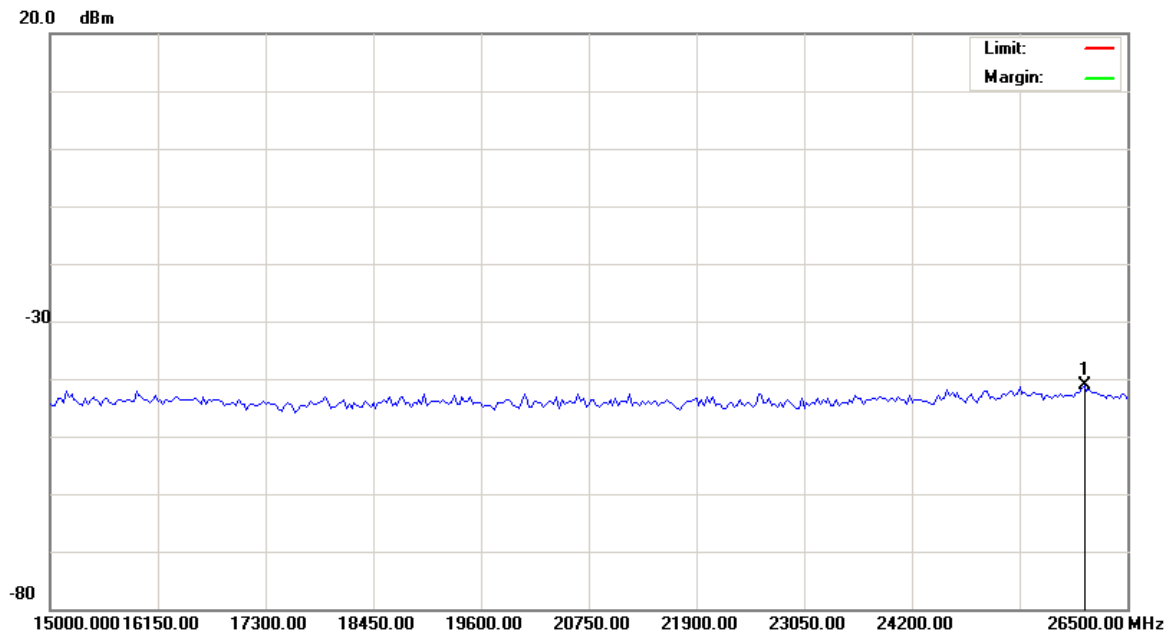
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#5

Date: 2007/03/23

Time: 上午 10:45:26



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH01

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	26040.00	-41.20	0.00	-41.20			peak	

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

●Reference Only



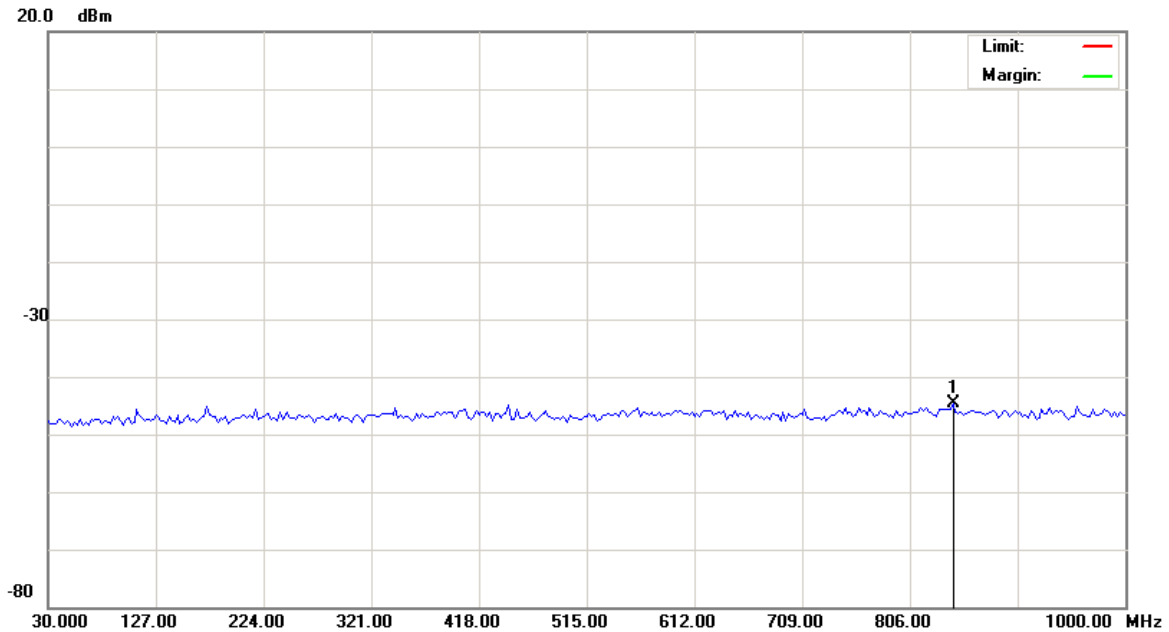
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#6

Date: 2007/03/23

Time: 上午 10:46:00



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH06

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	844.8000	-44.66	0.00	-44.66			peak	

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

●Reference Only



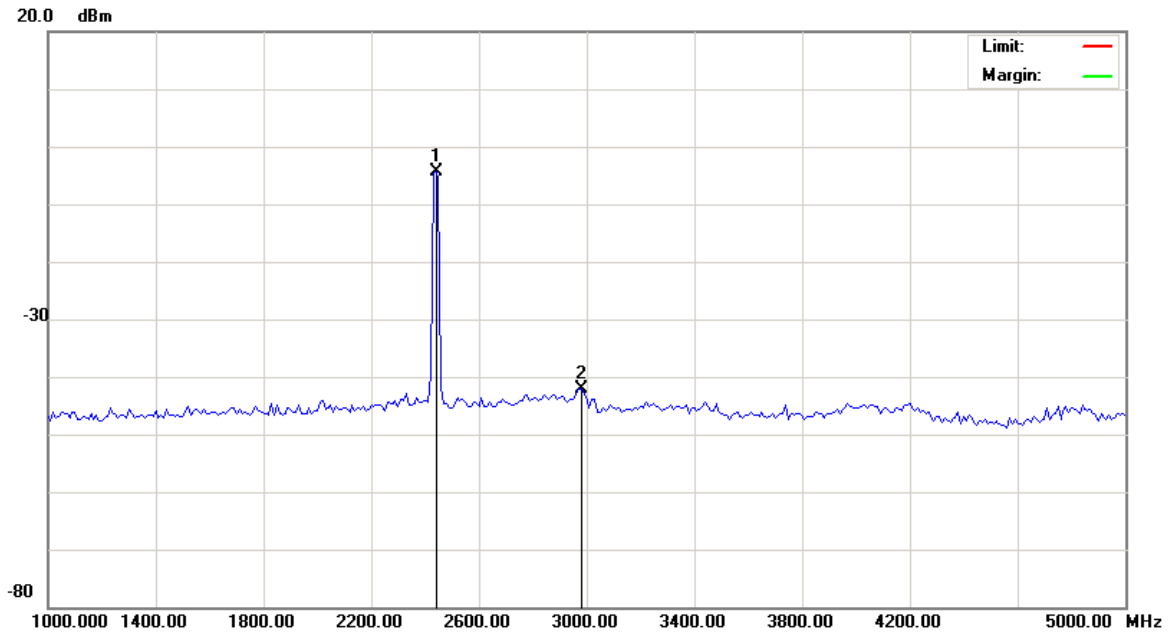
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#7

Date: 2007/03/23

Time: 上午 10:46:13



Site 966半電波暗室

Polarization: Horizontal

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2440.000	-4.29	0.00	-4.29			peak	
2		2980.000	-42.16	0.00	-42.16			peak	

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

●Reference Only



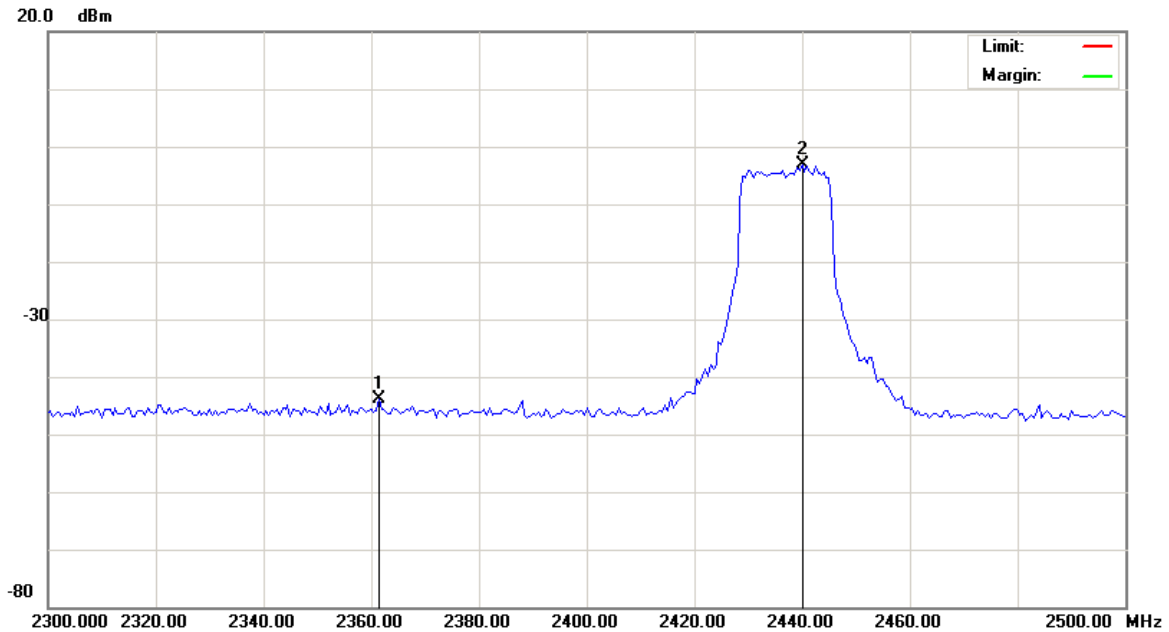
Radiated Emission Measurement

File : C500(03-21-2007)20dB

Data : #8

Date: 2007/03/23

Time: 上午 10:46:25



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2361.500	-43.99	0.00	-43.99			peak	
2	*	2440.000	-3.06	0.00	-3.06			peak	

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

●Reference Only



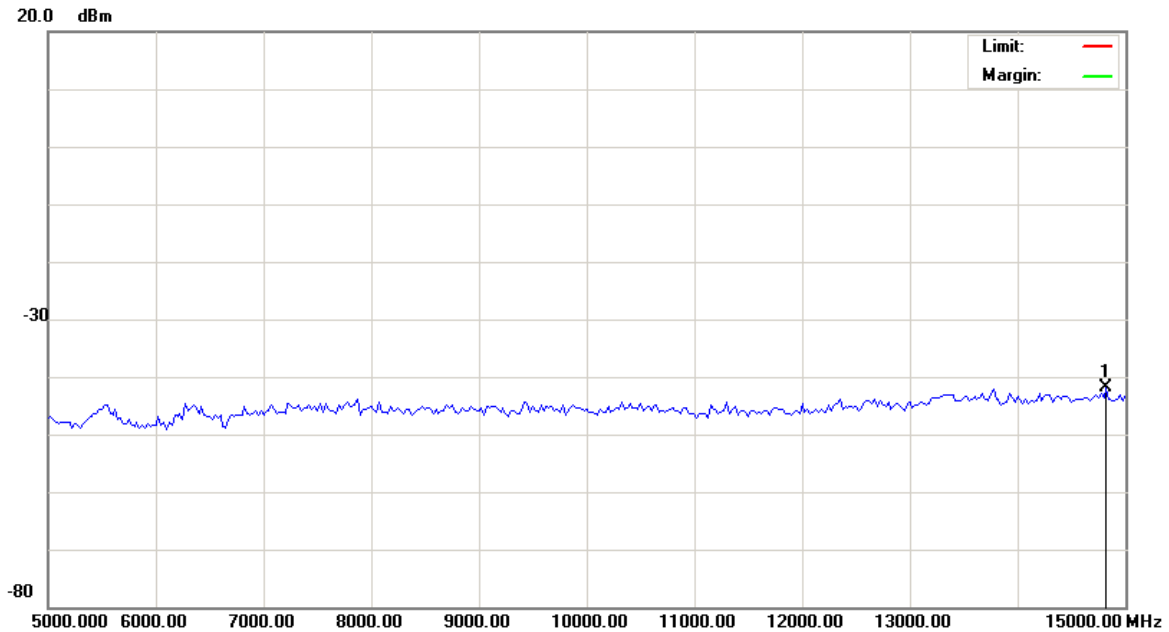
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#9

Date: 2007/03/23

Time: 上午 10:46:38



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14825.00	-41.91	0.00	-41.91			peak	

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

●Reference Only



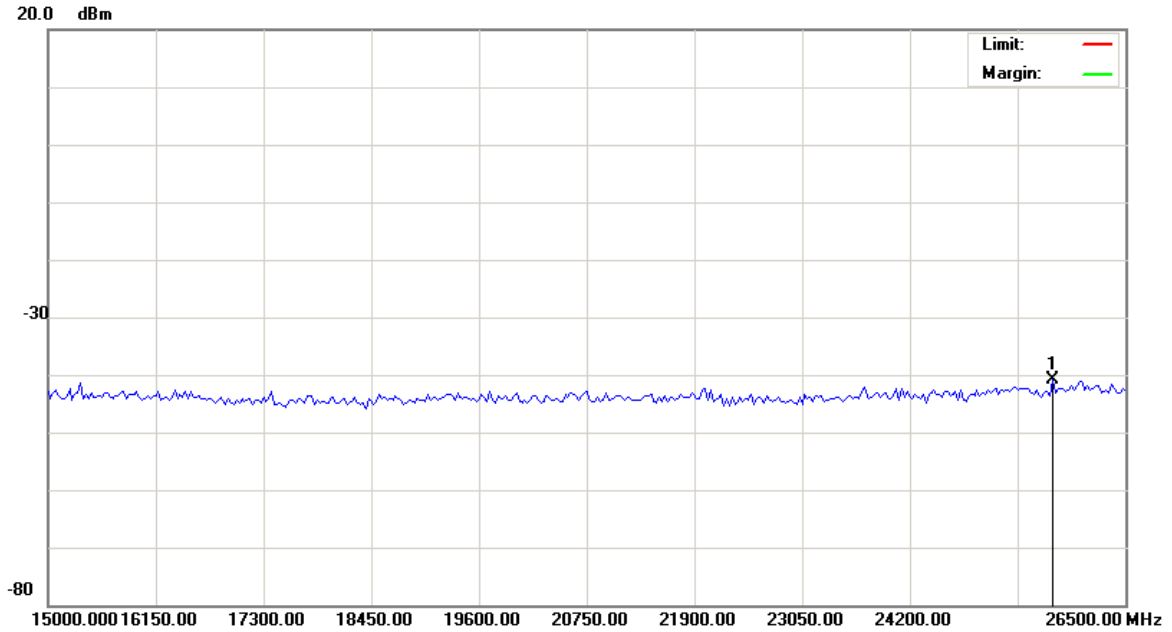
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#10

Date: 2007/03/23

Time: 上午 10:46:51



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	25723.75	-40.75	0.00	-40.75			peak	

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

●Reference Only



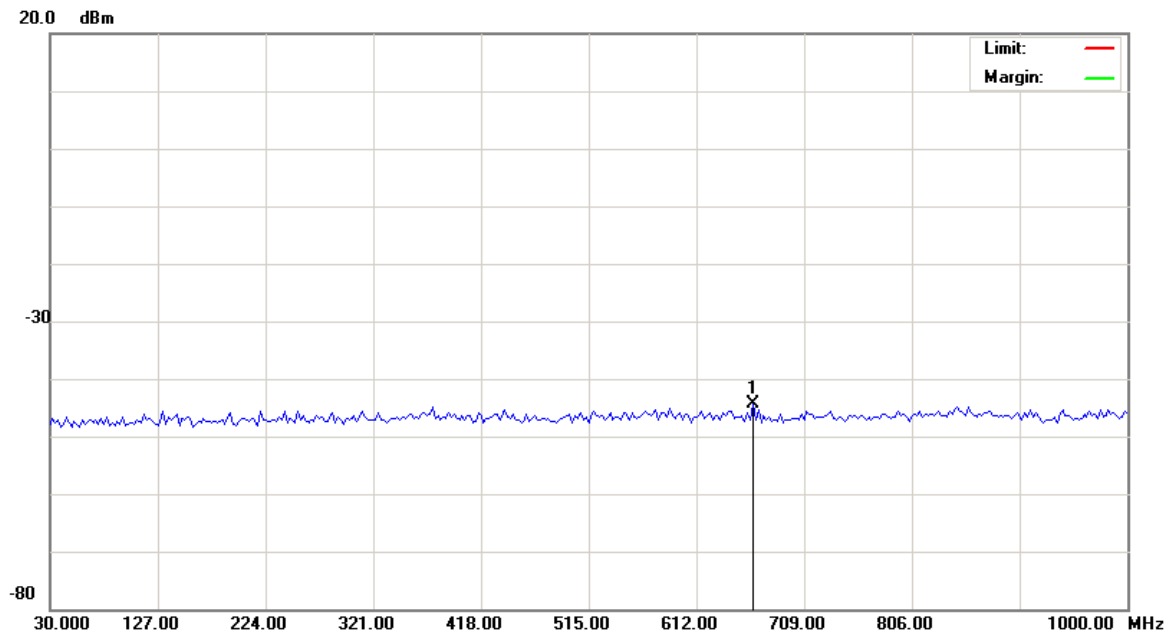
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#11

Date: 2007/03/23

Time: 上午 10:47:23



Site 966半電波暗室

Polarization: Horizontal

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH11

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	662.9250	-44.45	0.00	-44.45			peak	

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

●Reference Only



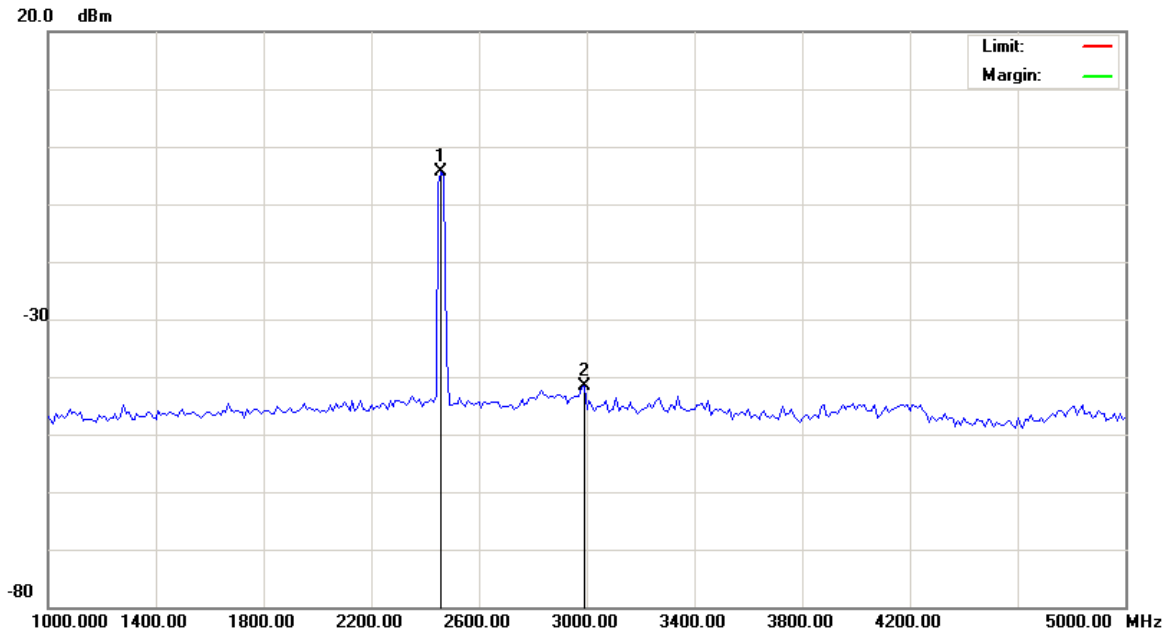
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#12

Date: 2007/03/23

Time: 上午 10:47:36



Site 966半電波暗室

Polarization: Horizontal

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2460.000	-4.41	0.00	-4.41			peak	
2		2990.000	-41.72	0.00	-41.72			peak	

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

●Reference Only



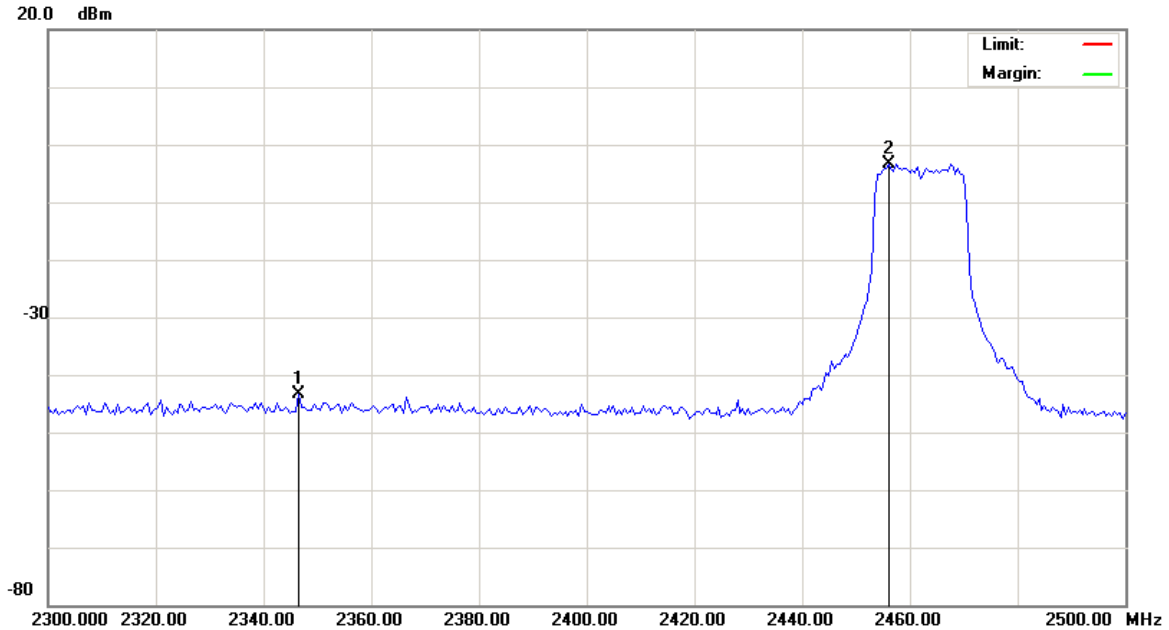
Radiated Emission Measurement

File : C500(03-21-2007)20dB

Data : #13

Date: 2007/03/23

Time: 上午 10:47:48



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2346.500	-43.41	0.00	-43.41			peak	
2	*	2456.000	-3.39	0.00	-3.39			peak	

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

●Reference Only



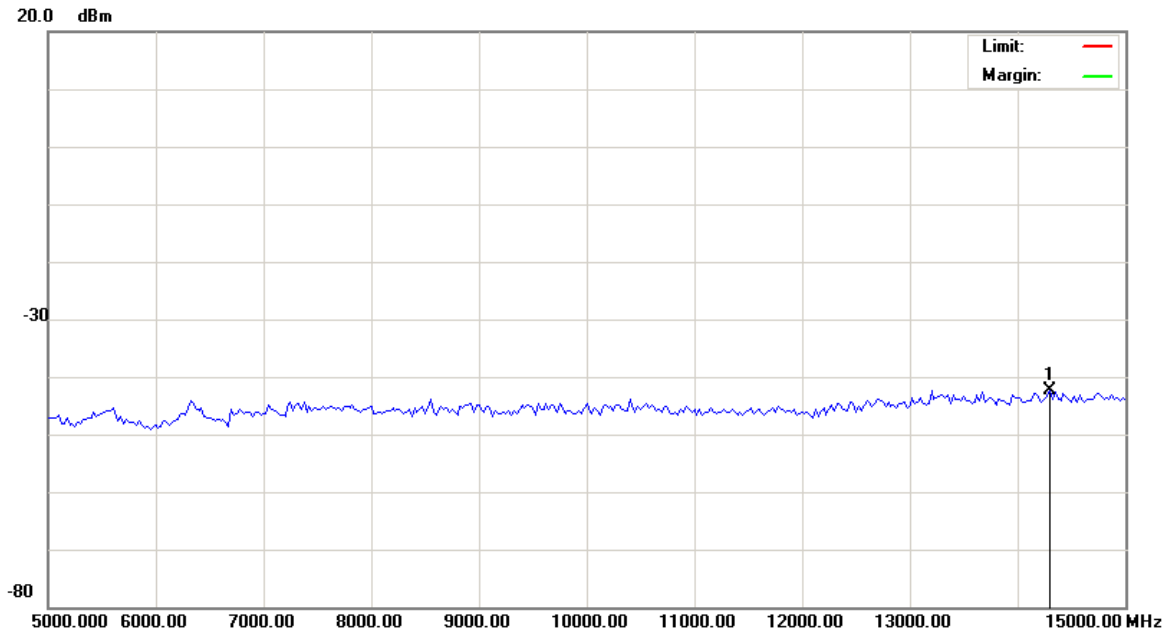
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#14

Date: 2007/03/23

Time: 上午 10:48:01



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14300.00	-42.35	0.00	-42.35			peak	

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

●Reference Only



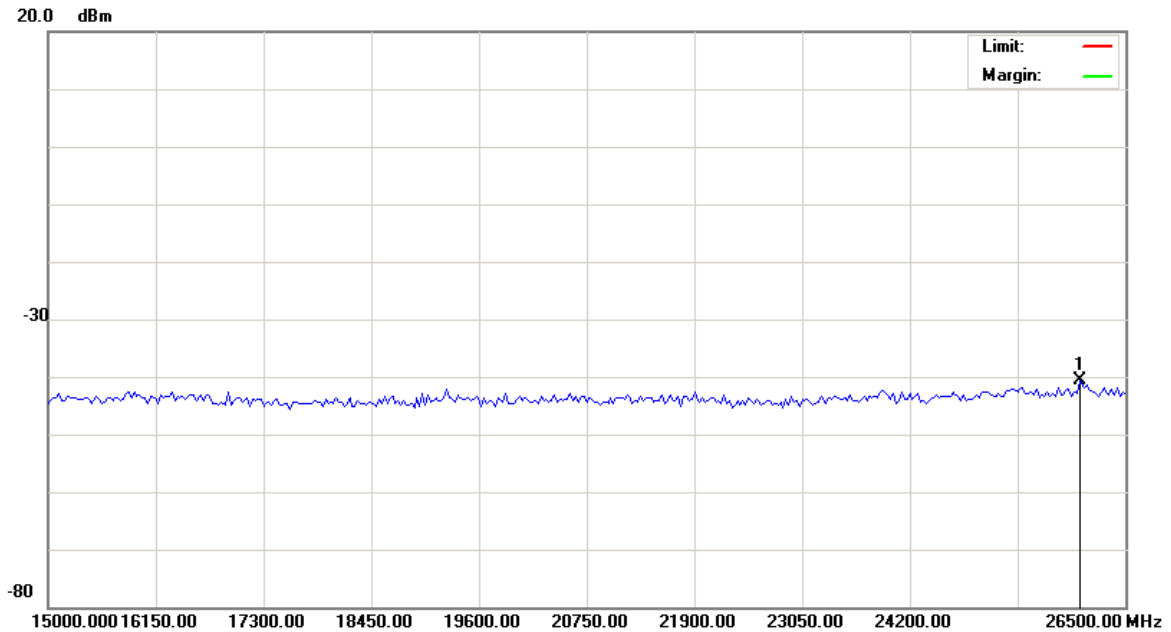
Radiated Emission Measurement

File : C500(03-21-2007)20dB

Data : #15

Date: 2007/03/23

Time: 上午 10:48:14



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11b-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	26011.25	-40.70	0.00	-40.70			peak	

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

●Reference Only



7.5.2 802.11g Test Graphs

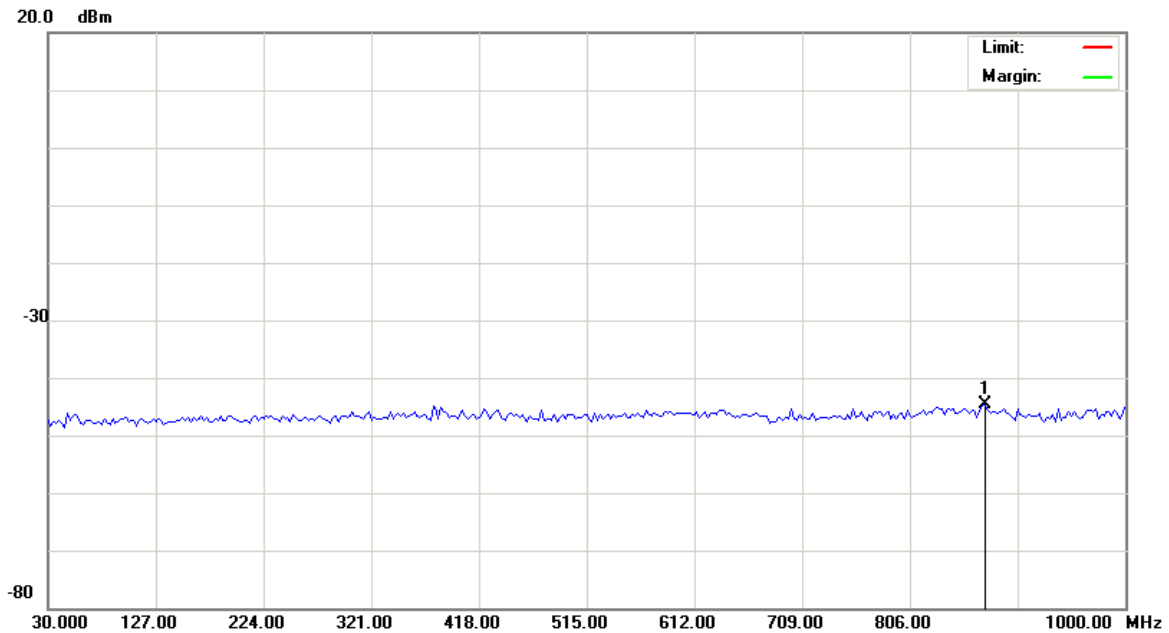
Radiated Emission Measurement

File : C500(03-21-2007)20dB

Data : #1

Date: 2007/03/23

Time: 上午 10:38:31



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH01

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	873.9000	-44.56	0.00	-44.56			peak	

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

●Reference Only



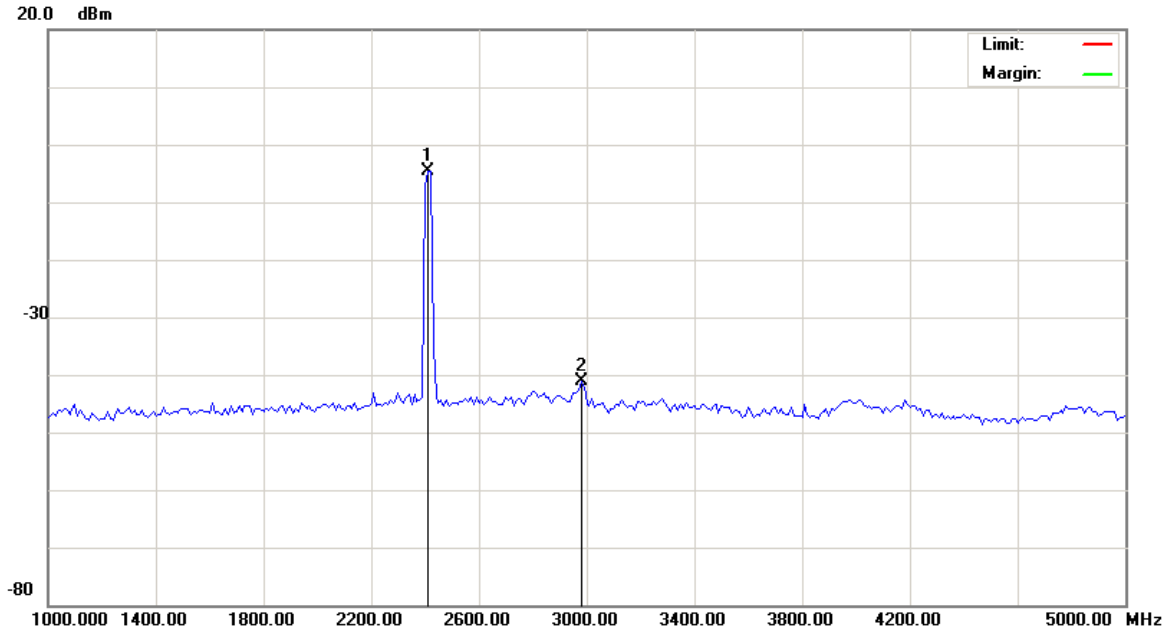
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#2

Date: 2007/03/23

Time: 上午 10:38:44



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH01

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2410.000	-4.60	0.00	-4.60			peak	
2		2980.000	-41.23	0.00	-41.23			peak	

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

●Reference Only



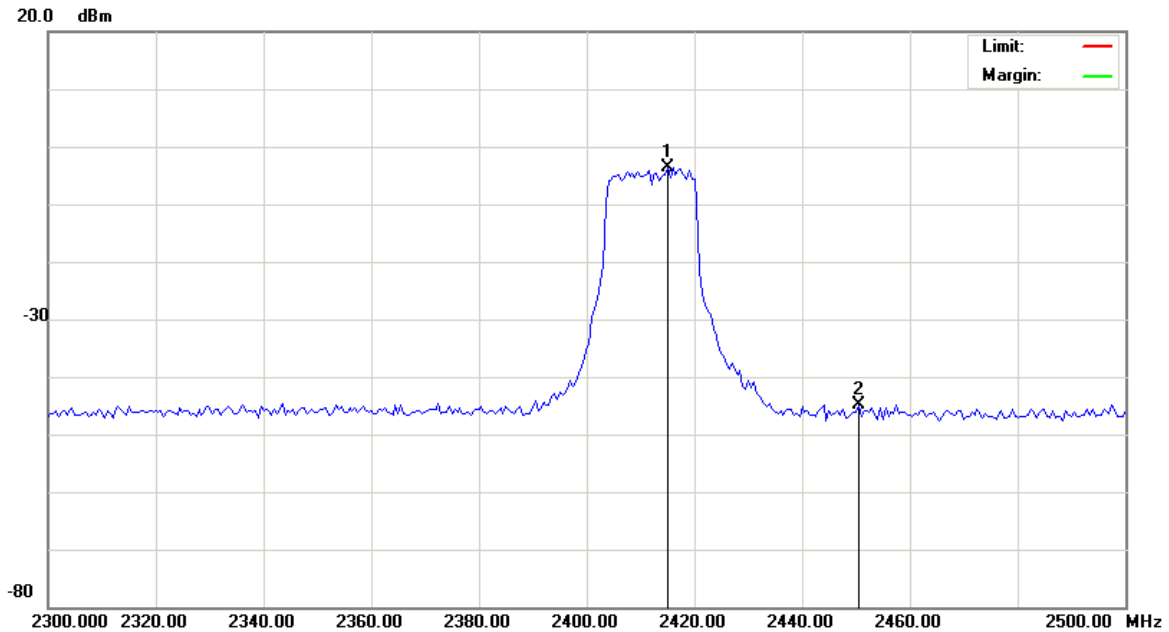
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#3

Date: 2007/03/23

Time: 上午 10:38:56



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH01

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2415.000	-3.50	0.00	-3.50			peak	
2		2450.500	-44.77	0.00	-44.77			peak	

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

●Reference Only



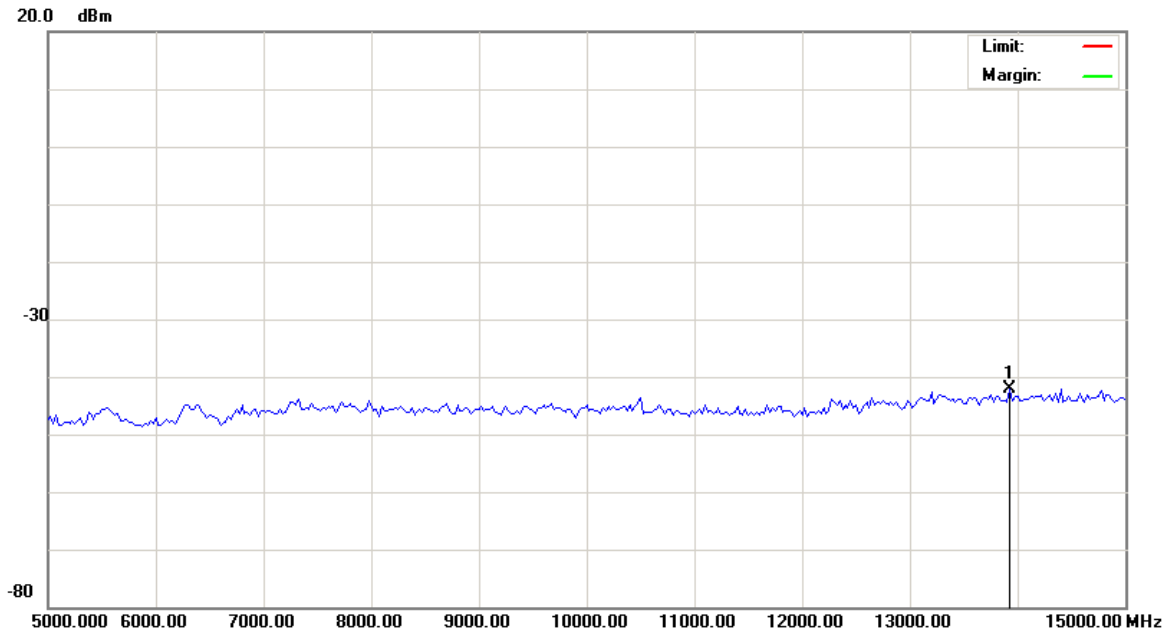
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#4

Date: 2007/03/23

Time: 上午 10:39:09



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH01

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	13925.00	-42.10	0.00	-42.10			peak	

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

●Reference Only



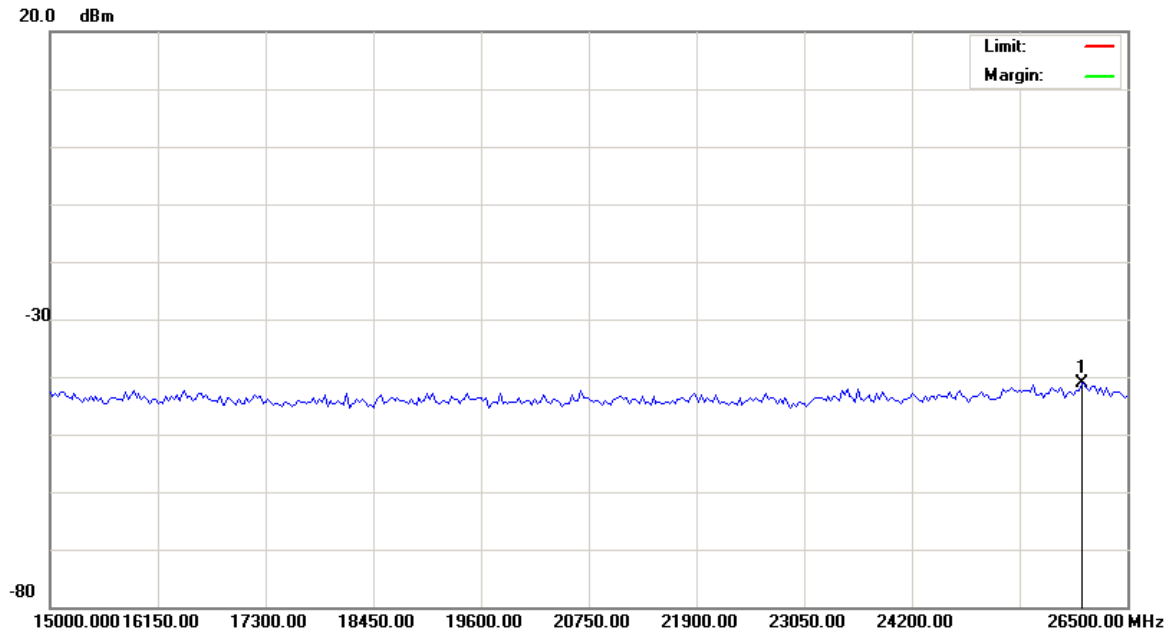
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#5

Date: 2007/03/23

Time: 上午 10:39:22



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH01

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	26011.25	-41.15	0.00	-41.15			peak	

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

●Reference Only



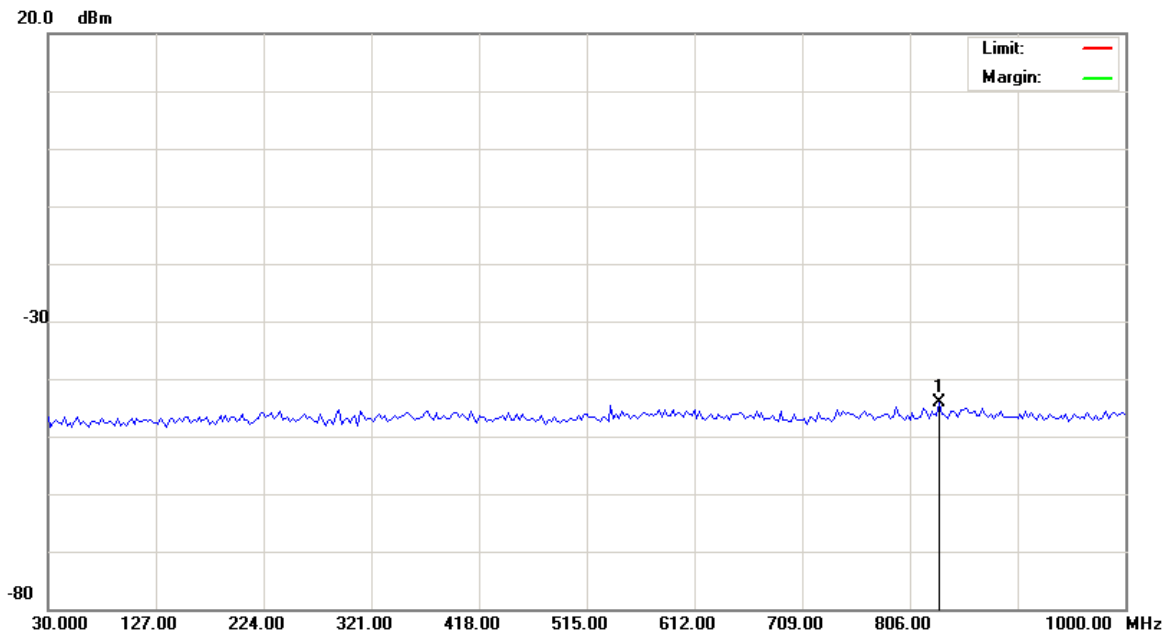
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#6

Date: 2007/03/23

Time: 上午 10:40:11



Site 966半電波暗室

Polarization: Horizontal

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH06

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	832.6750	-44.17	0.00	-44.17			peak	

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

●Reference Only



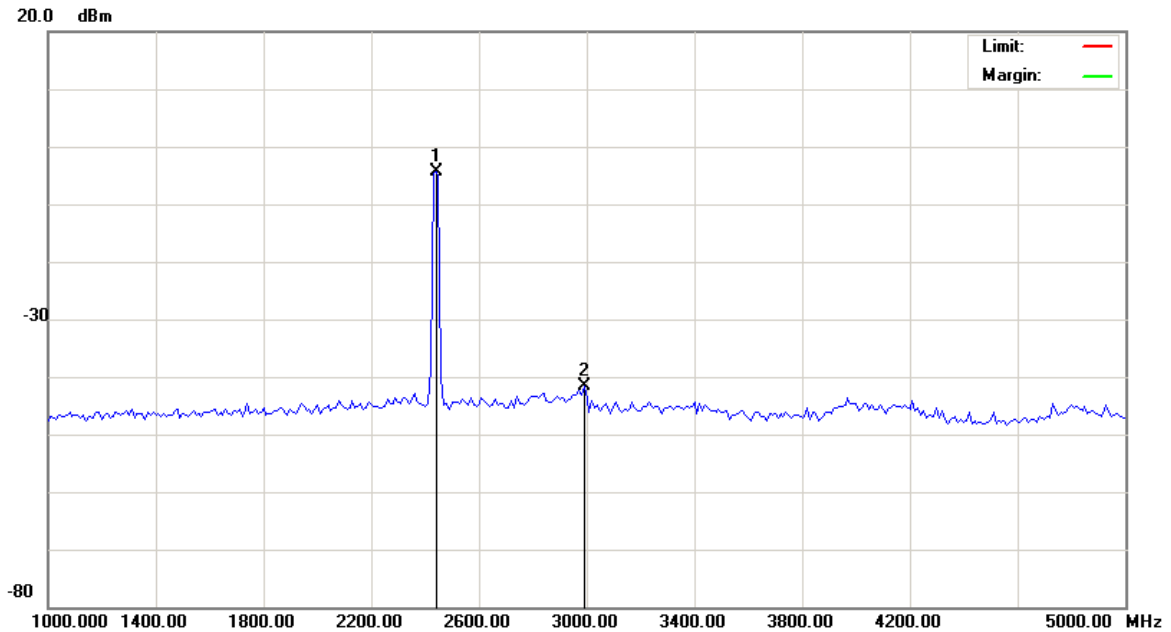
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#7

Date: 2007/03/23

Time: 上午 10:40:24



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2440.000	-4.46	0.00	-4.46			peak	
2		2990.000	-41.62	0.00	-41.62			peak	

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

●Reference Only



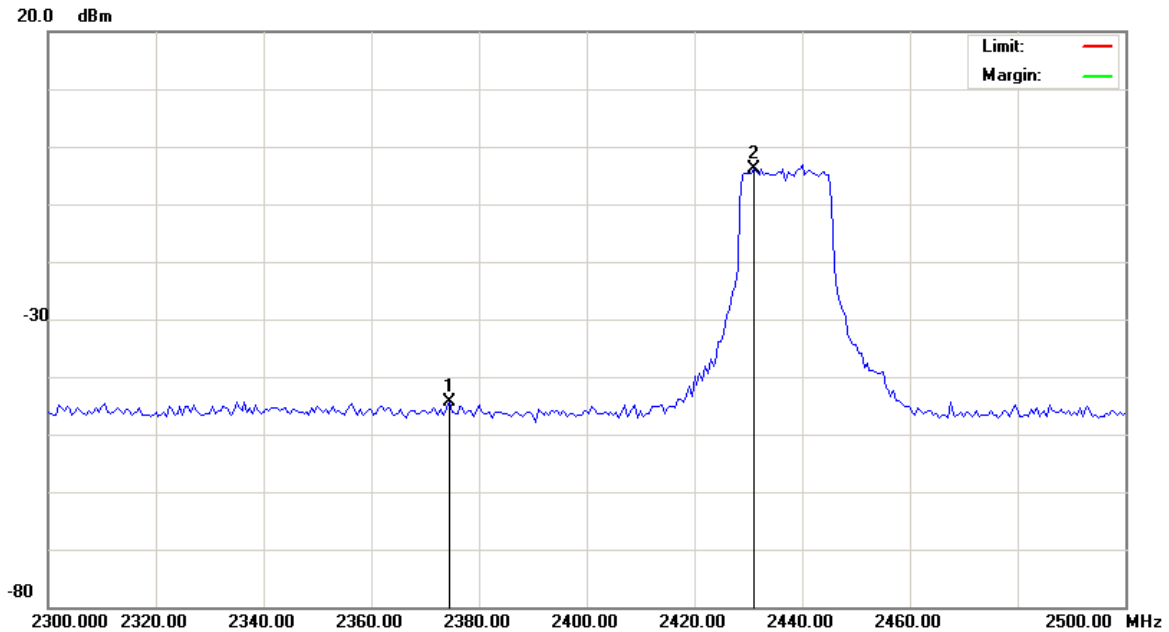
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#8

Date: 2007/03/23

Time: 上午 10:40:36



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2374.500	-44.44	0.00	-44.44			peak	
2	*	2431.000	-3.82	0.00	-3.82			peak	

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

●Reference Only



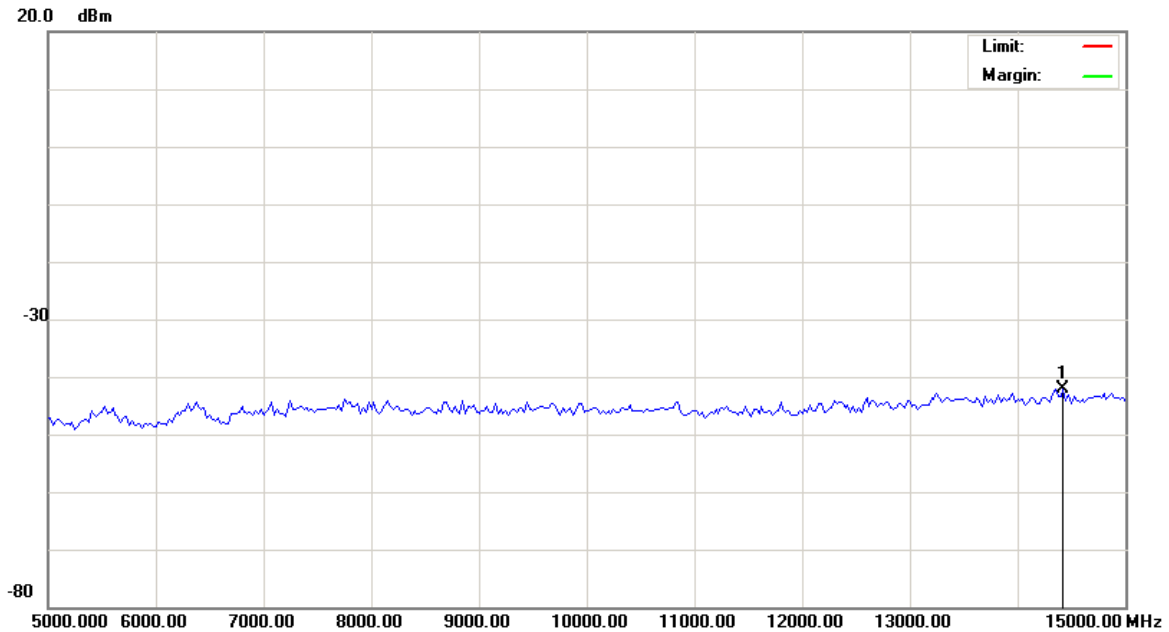
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#9

Date: 2007/03/23

Time: 上午 10:40:49



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14425.00	-42.10	0.00	-42.10			peak	

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

●Reference Only



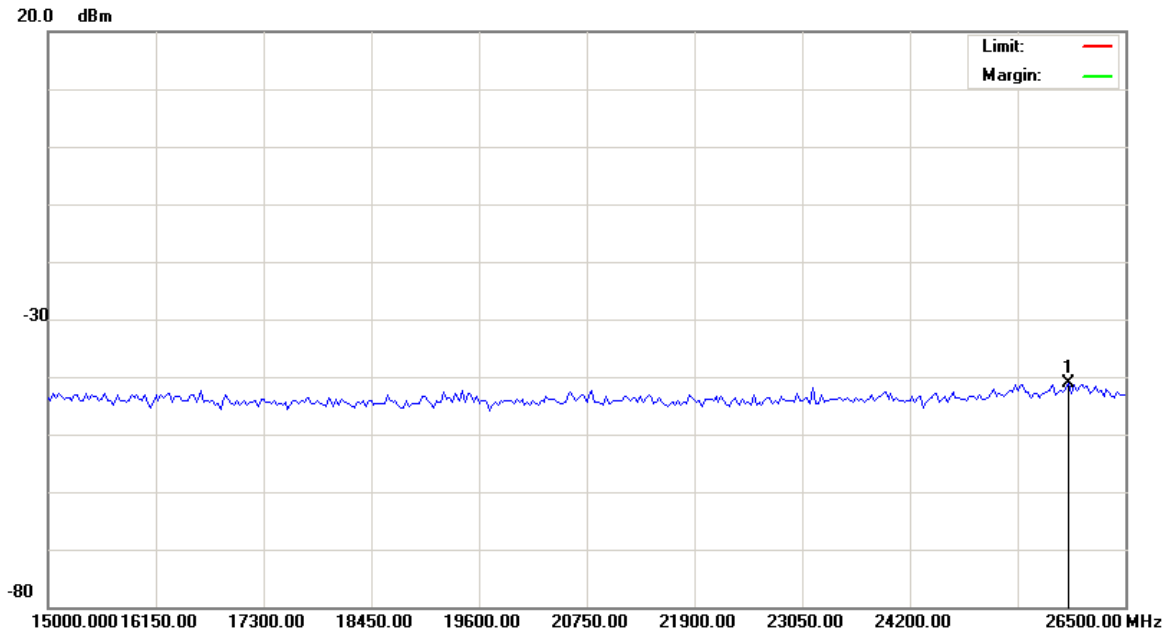
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#10

Date: 2007/03/23

Time: 上午 10:41:02



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH06

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	25896.25	-41.24	0.00	-41.24			peak	

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

●Reference Only



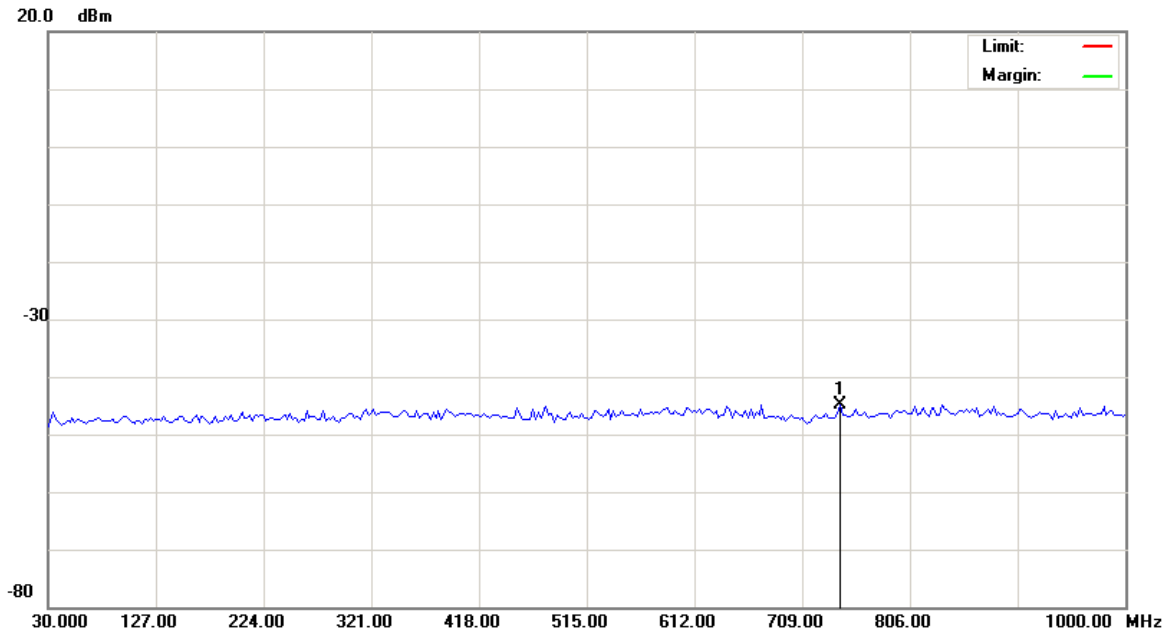
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#11

Date: 2007/03/23

Time: 上午 10:41:38



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH11

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	742.9500	-44.81	0.00	-44.81			peak	

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

●Reference Only



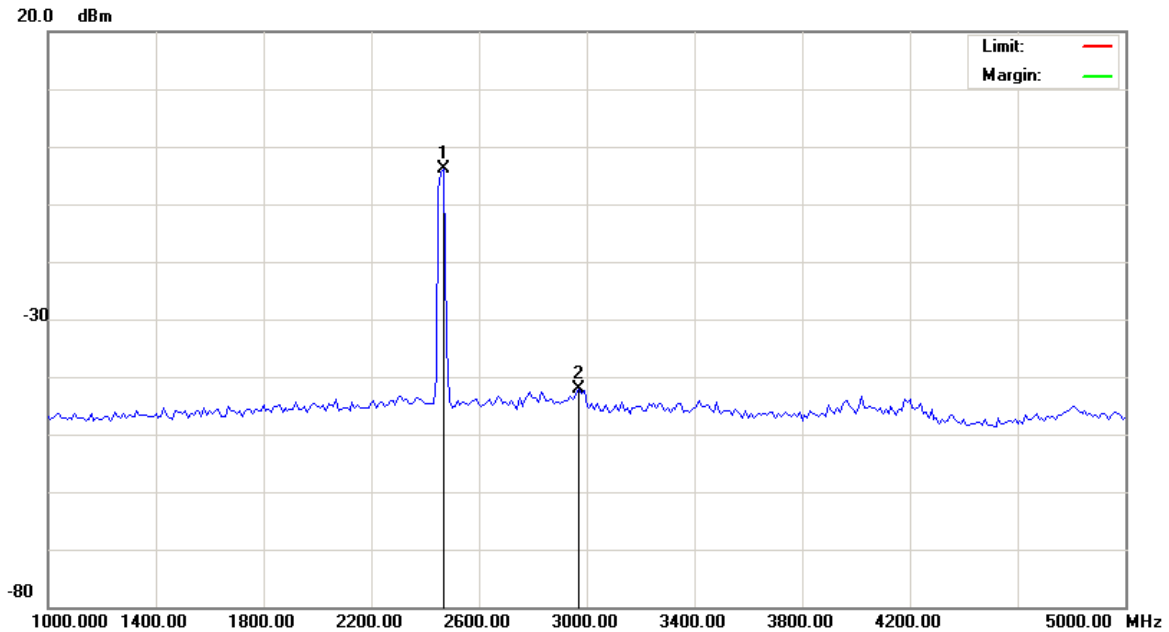
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#12

Date: 2007/03/23

Time: 上午 10:41:51



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2470.000	-3.96	0.00	-3.96			peak	
2		2970.000	-42.16	0.00	-42.16			peak	

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

●Reference Only



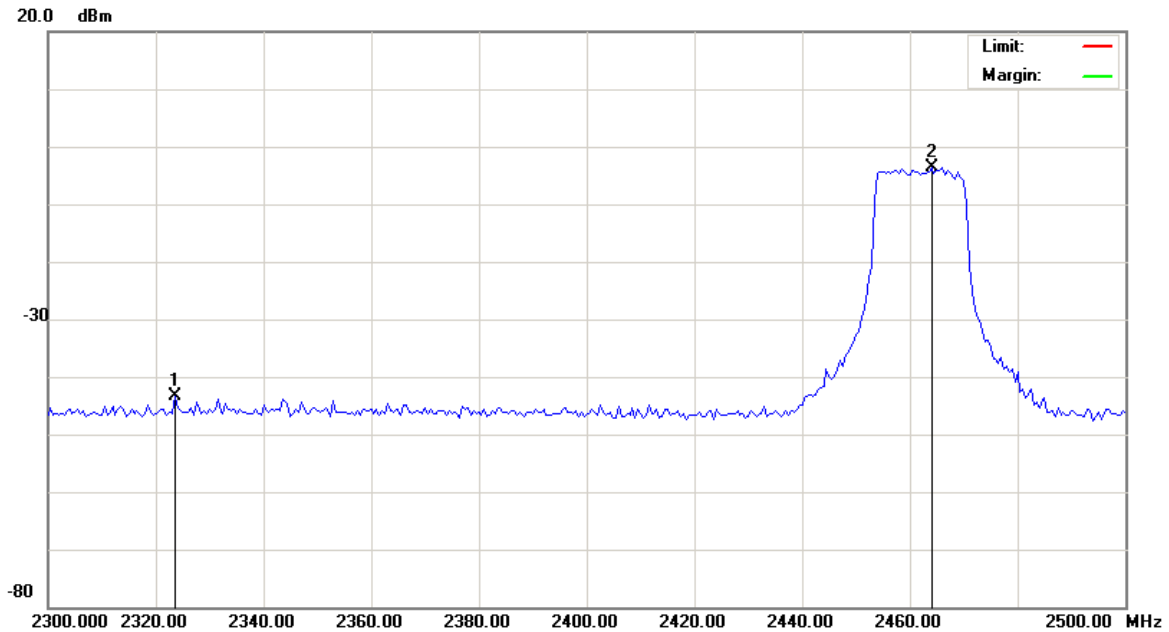
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#13

Date: 2007/03/23

Time: 上午 10:42:04



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2323.500	-43.48	0.00	-43.48			peak	
2	*	2464.000	-3.62	0.00	-3.62			peak	

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

●Reference Only



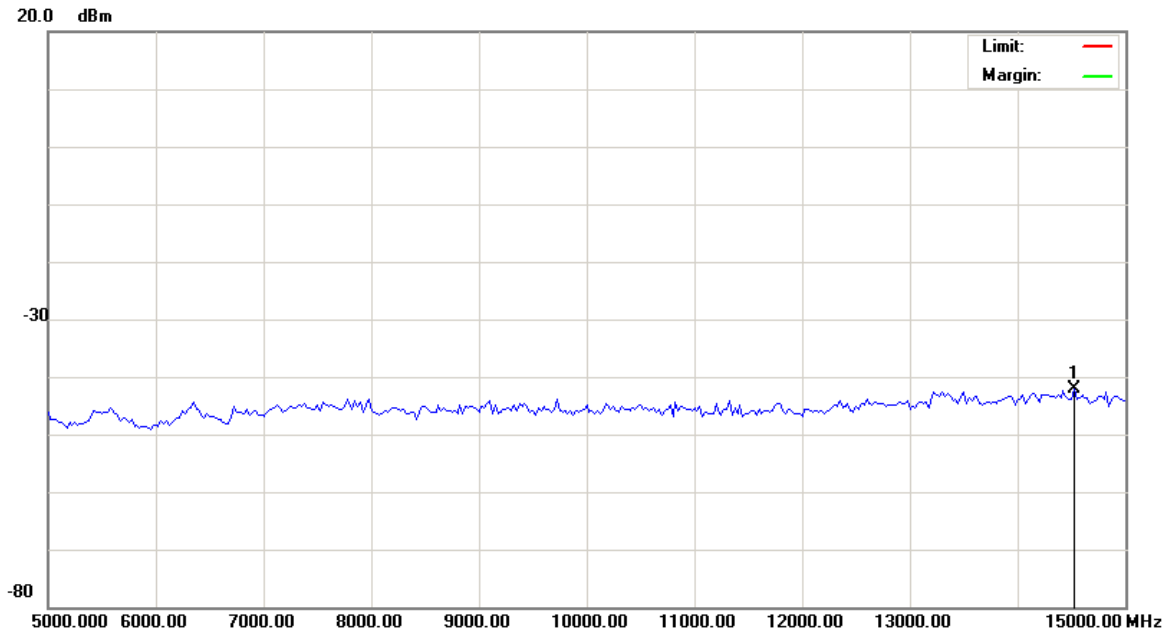
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#14

Date: 2007/03/23

Time: 上午 10:42:16



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14525.00	-42.16	0.00	-42.16			peak	

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

●Reference Only



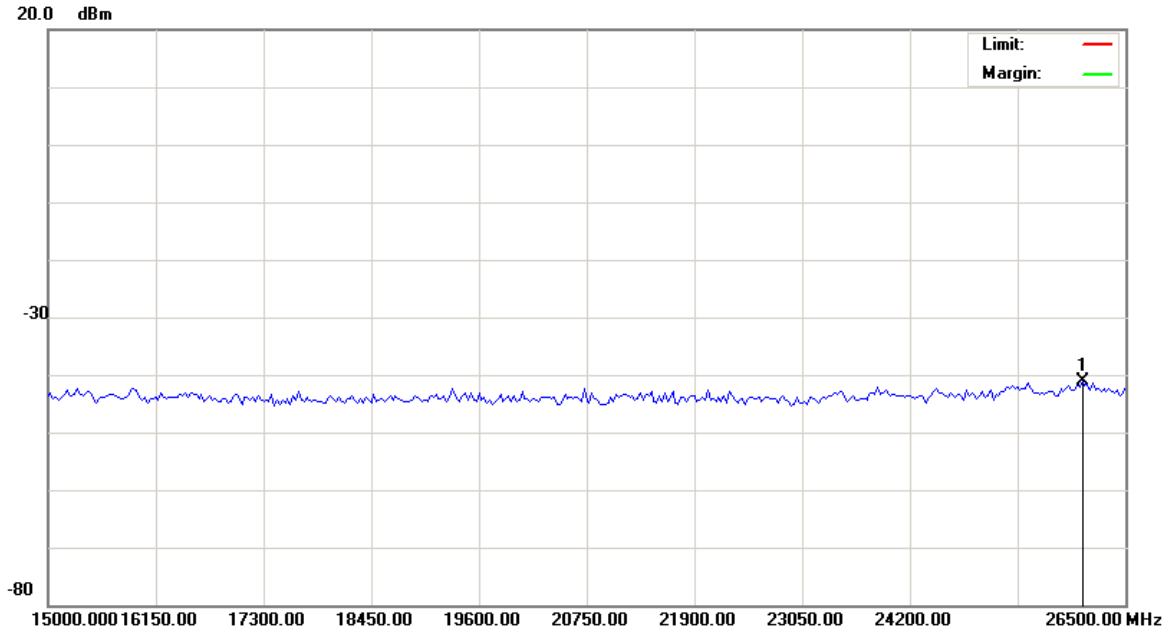
Radiated Emission Measurement

File :C500(03-21-2007)20dB

Data :#15

Date: 2007/03/23

Time: 上午 10:42:29



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: c500

Mode:

Note: 11g-CH11

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	26040.00	-41.20	0.00	-41.20			peak	

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

●Reference Only

8. Band Edges Requirements

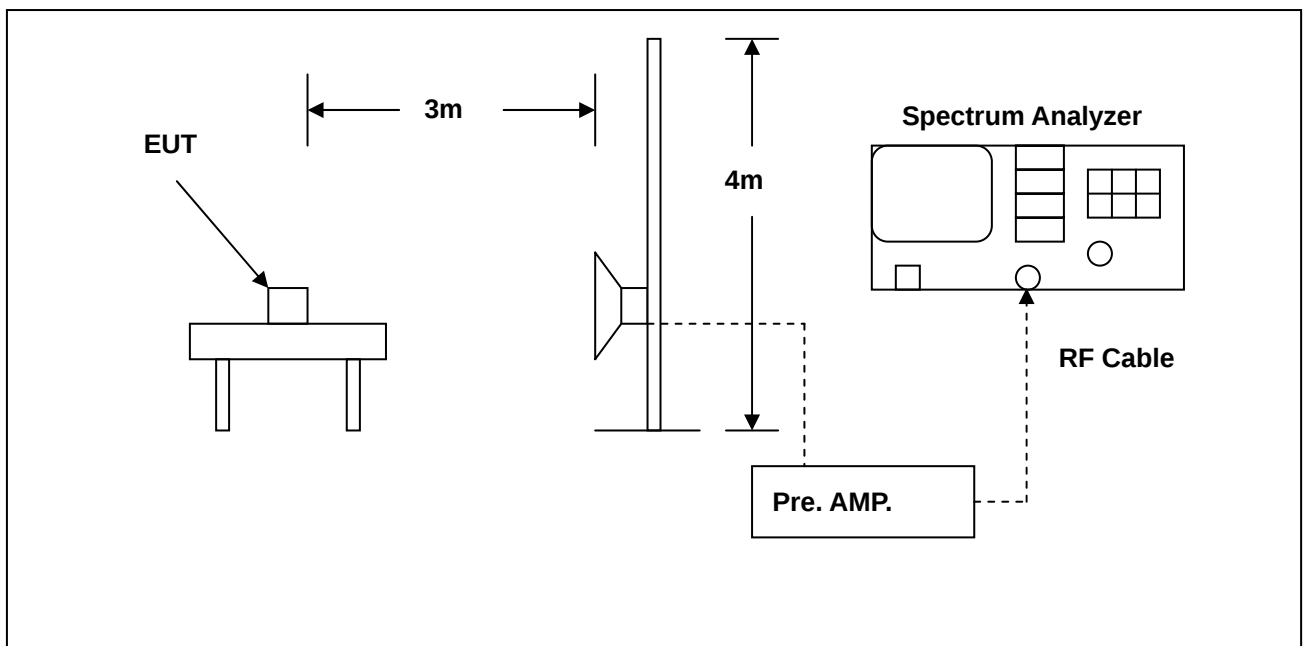
8.1 Test Condition & Setup:

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	Apr. 27, 2006	Apr. 26, 2007
Pre Amplifier	Agilent	8449B	3008A02237	May. 03, 2006	May. 02, 2007
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	Jun. 26, 2006	Jun. 25, 2007



8.4 Test Result:

Applicant : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11b Low CH & High CH
Test Date : 03/21/2007

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.



Radiated Emission Measurement

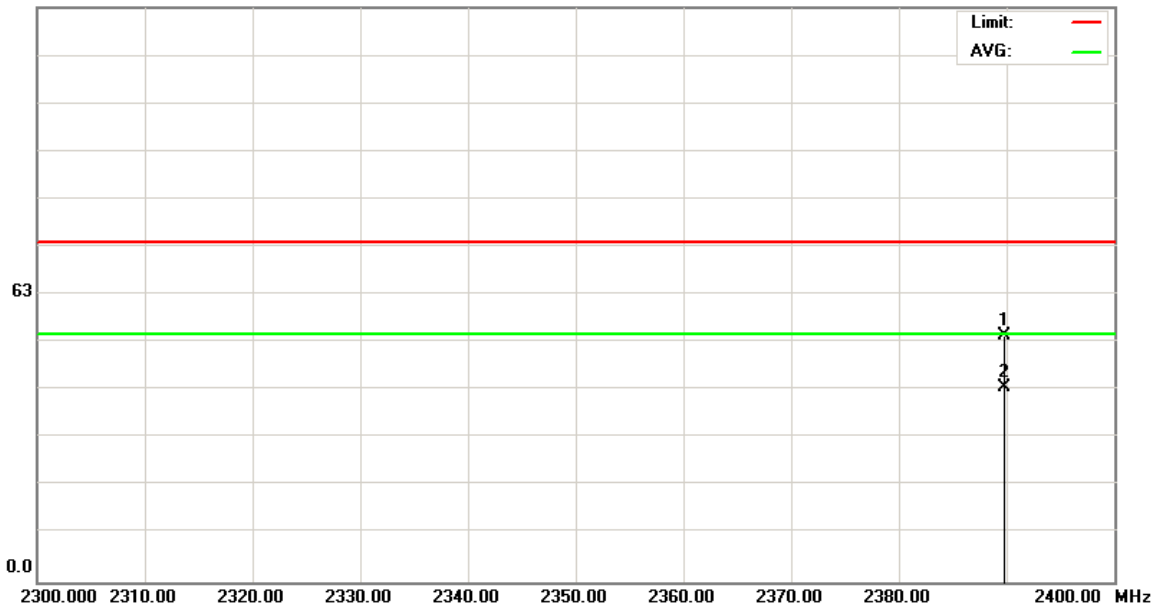
File :C500(03-21-2007)Bandedge

Data :#1

Date: 2007/03/21

Time: 上午 10:14:47

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)(146m)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2389.800	53.57	0.16	53.73	74.00	-20.27	peak	
2	*	2389.800	42.03	0.16	42.19	54.00	-11.81	AVG	

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

●Reference Only



Radiated Emission Measurement

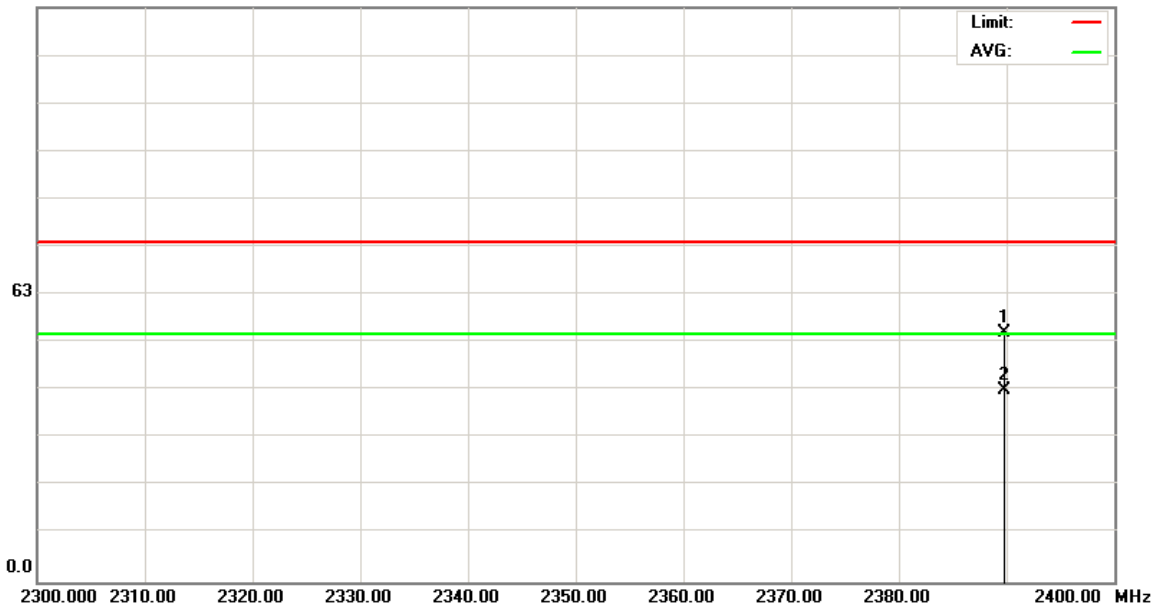
File :C500(03-21-2007)Bandedge

Data :#5

Date: 2007/03/21

Time: 上午 10:39:10

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 ℃

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH01(2412MHz)(129m)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2389.800	54.03	0.16	54.19	74.00	-19.81	peak	
2	*	2389.800	41.46	0.16	41.62	54.00	-12.38	AVG	

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

●Reference Only



Radiated Emission Measurement

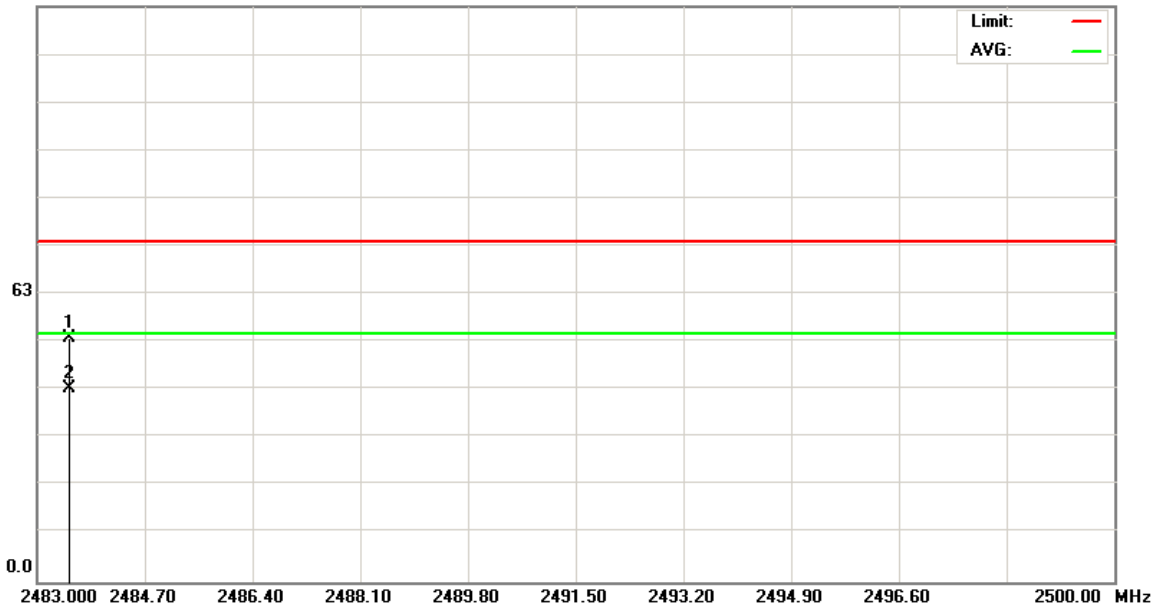
File :C500(03-21-2007)Bandedge

Data :#3

Date: 2007/03/21

Time: 上午 10:26:51

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)(146m)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2483.510	52.84	0.24	53.08	74.00	-20.92	peak	
2	*	2483.510	41.92	0.24	42.16	54.00	-11.84	AVG	

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

●Reference Only



Radiated Emission Measurement

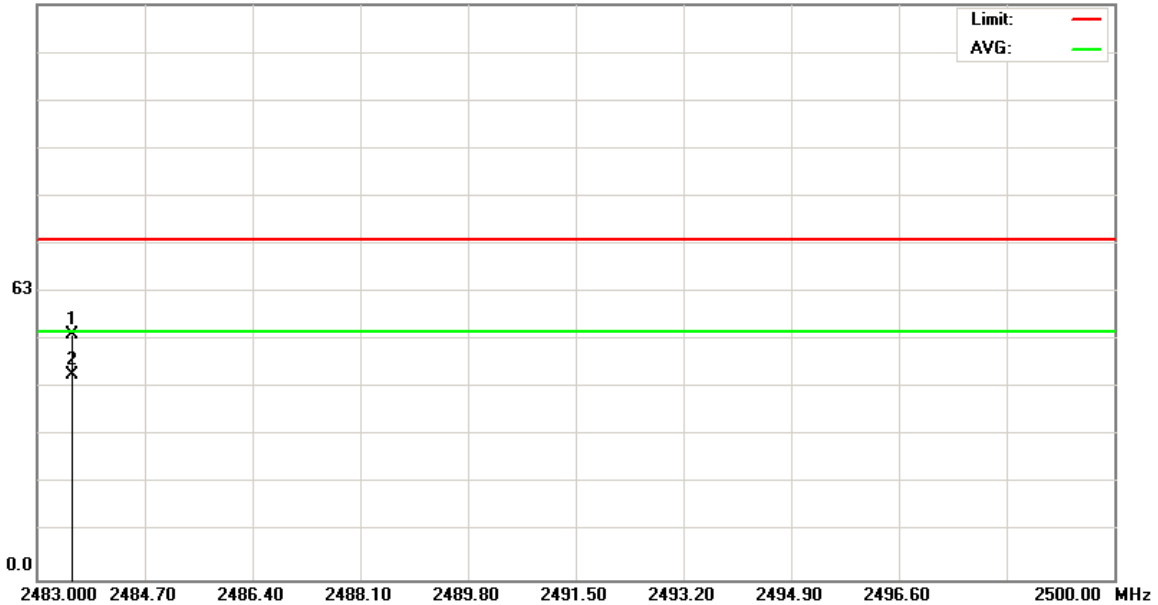
File :C500(03-21-2007)Bandedge

Data :#7

Date: 2007/03/21

Time: 上午 10:43:28

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11b

Note: CH11(2462MHz)(129m)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		2483.544	53.16	0.24	53.40	74.00	-20.60	peak	
2	*	2483.544	44.29	0.24	44.53	54.00	-9.47	AVG	

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

●Reference Only



Applicant : Acer Incorporated
Model No : c500
EUT : Travel Companion
Test Mode : 802.11g Low CH & High CH
Test Date : 03/21/2007

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.



Radiated Emission Measurement

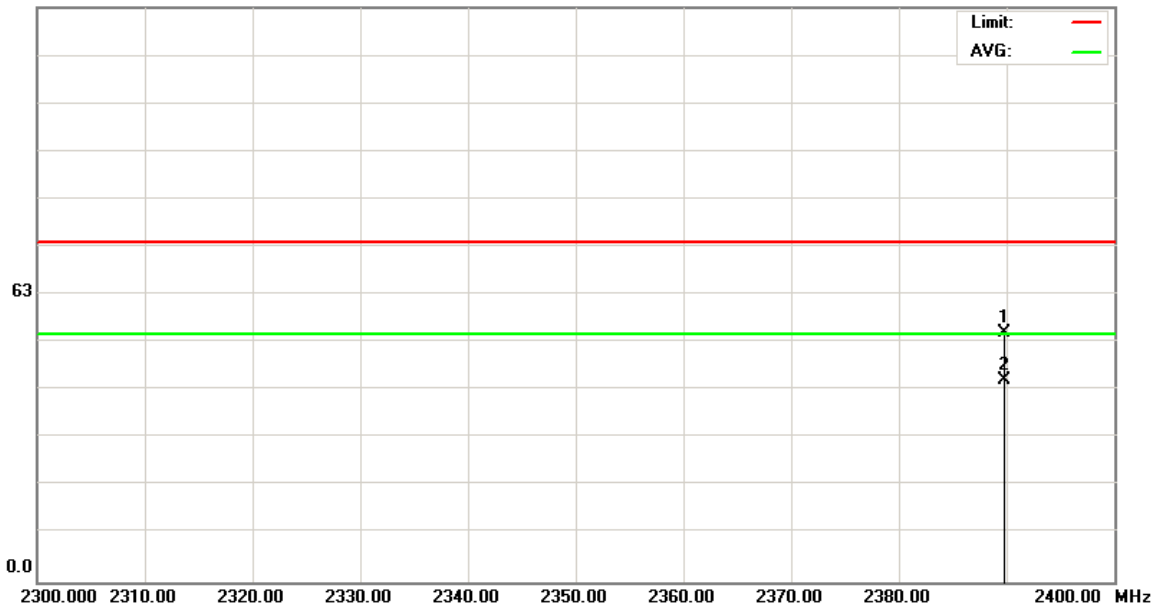
File :C500(03-21-2007)bandedge

Data :#1

Date: 2007/03/21

Time: 上午 10:57:26

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)(1m)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2389.800	54.17	0.16	54.33	74.00	-19.67	peak	
2	*	2389.800	43.69	0.16	43.85	54.00	-10.15	AVG	

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

●Reference Only



Radiated Emission Measurement

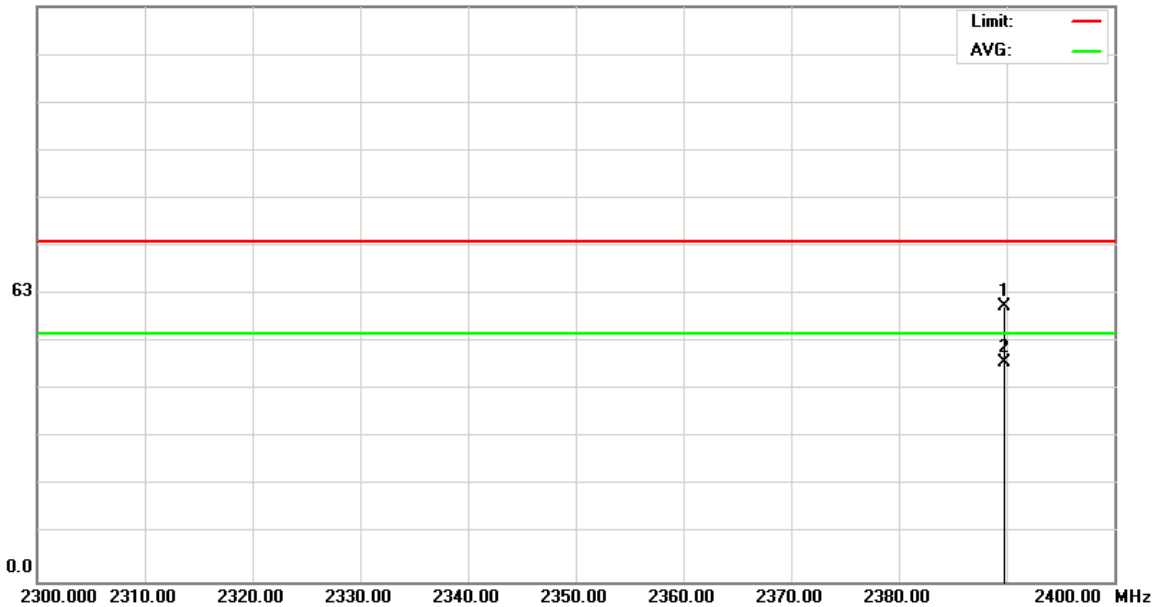
File :C500(03-21-2007)bandedge

Data :#5

Date: 2007/03/21

Time: 上午 11:15:14

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH01(2412MHz)(155m)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2389.800	59.81	0.16	59.97	74.00	-14.03	peak	
2	*	2389.800	47.52	0.16	47.68	54.00	-6.32	AVG	

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

●Reference Only



Radiated Emission Measurement

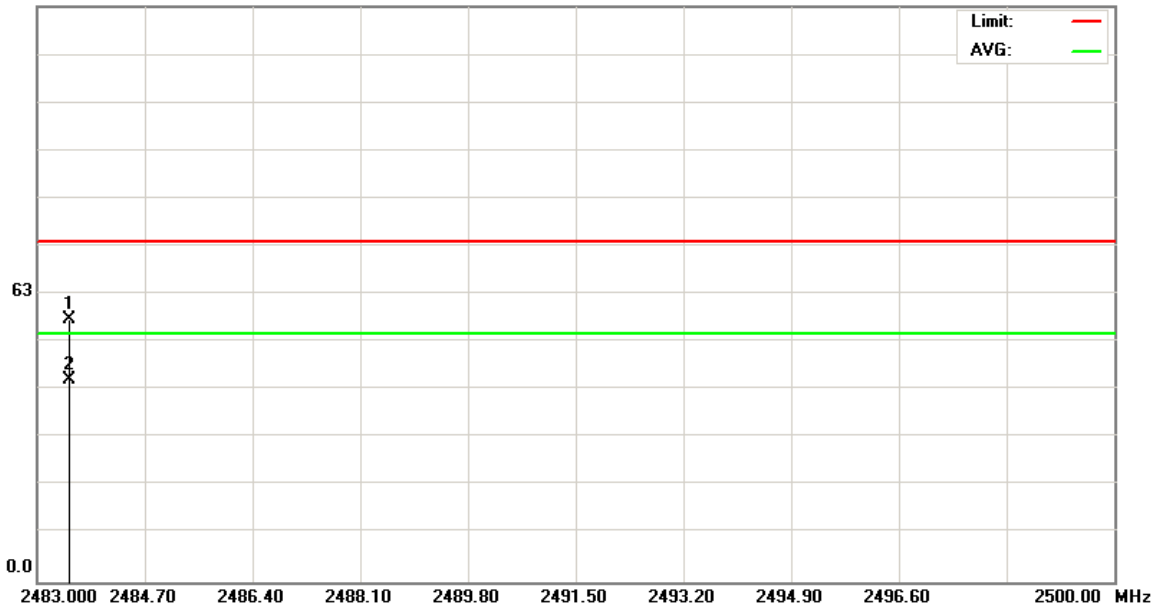
File :C500(03-21-2007)bandedge

Data :#3

Date: 2007/03/21

Time: 上午 11:01:35

125.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)(1m)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2483.510	56.77	0.24	57.01	74.00	-16.99	peak	
2	*	2483.510	43.68	0.24	43.92	54.00	-10.08	AVG	

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

●Reference Only



Radiated Emission Measurement

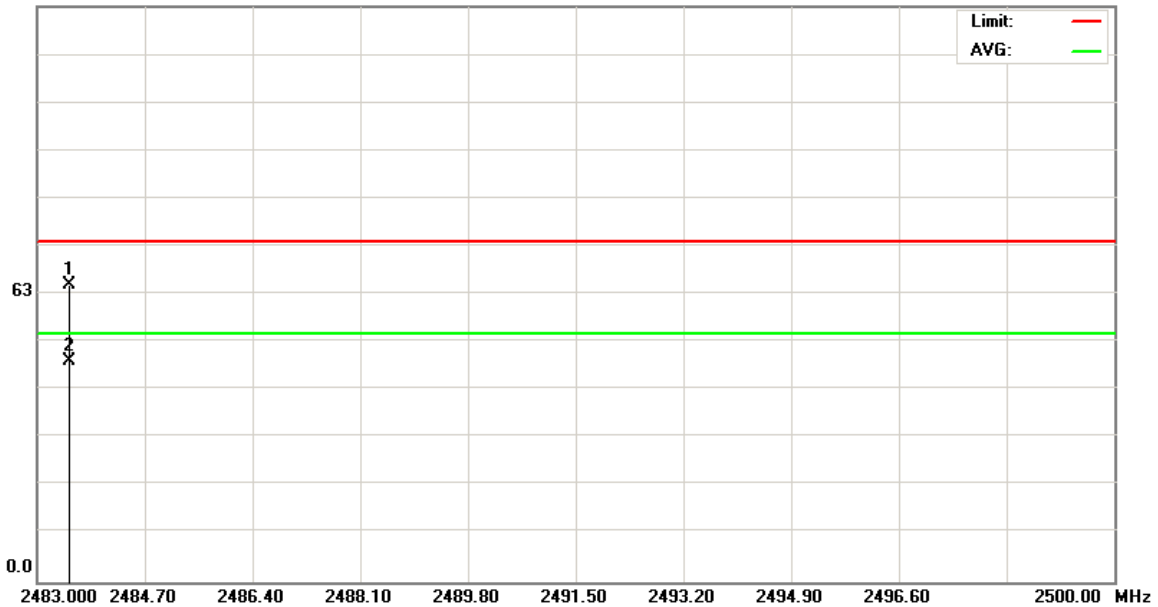
File :C500(03-21-2007)bandedge

Data :#7

Date: 2007/03/21

Time: 上午 11:38:44

125.0 dBuV



Site 966半電波暗室

Polarization: **Horizontal**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power:

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: c500

Mode: 11g

Note: CH11(2462MHz)(155m)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2483.510	64.36	0.24	64.60	74.00	-9.40	peak	
2	*	2483.510	47.76	0.24	48.00	54.00	-6.00	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.

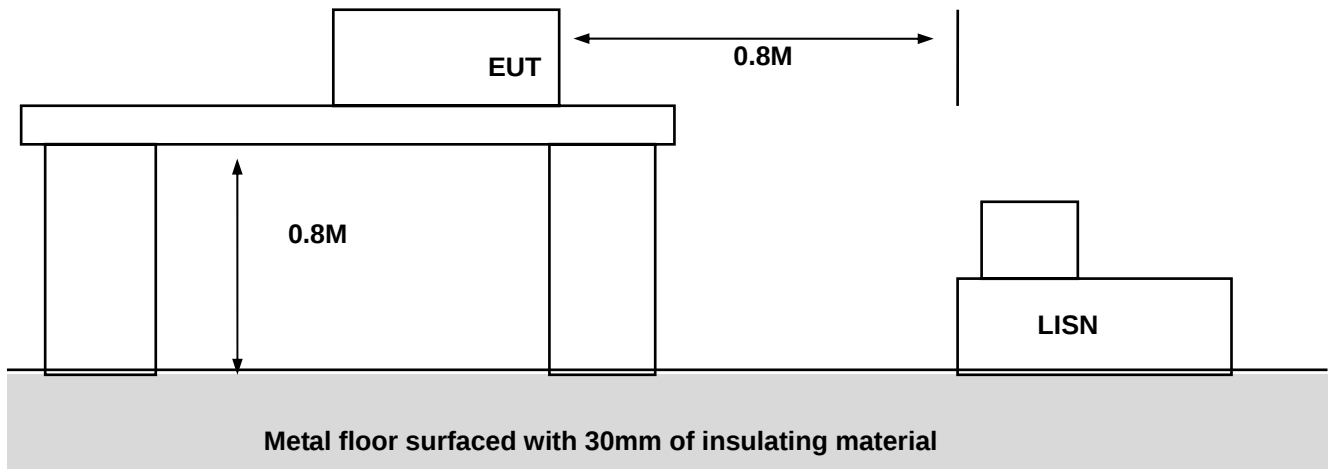
And According to 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

9.2 Antenna Connector Construction

The antenna used in this product is internal antenna. And the maximum Gain of this antenna is only **16.86** dBi.

Appendix A - EUT Test SETUP

MEASUREMENT OF POWER LINE CONDUCTED RFI VOLTAGE



MEASUREMENT OF RADIATED EMISSION

