Test Report

Product Name ： WiFi EMTA Cable Modem
Model No. ： DWG855xx
FCC ID. ： H8NDWG855

Applicant ： ASKEY COMPUTER CORP.
Address ： 10F, NO.119, CHIENKANG RD.,
CHUNG-HO, TAIPEI, TAIWAN, R.O.C.

Date of Receipt ： 2006/08/04
Issued Date ： 2006/08/15
Report No. ： 068H025-RF-US-P05V01

Test Report Certification

Issued Date : 2006/08/15
Report No. : 068H025-RF-US-P05V01

QuieTek

Product Name	:	WiFi EMTA Cable Modem
Applicant	:	ASKEY COMPUTER CORP.
Address	:	10F, NO.119, CHIENKANG RD., CHUNG-HO, TAIPEI, TAIWAN, R.O.C.
Manufacturer	:	ASKEY COMPUTER CORP.
Model No.	:	DWG855xx
FCC ID.	:	H8NDWG855
Rated Voltage	:	AC 120 V / 60 Hz
EUT Voltage	:	Battery 12.6V
Trade Name	:	RCA
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Test Result	:	Complied

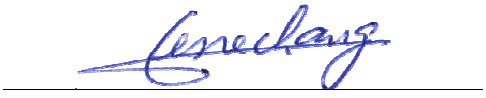
The test results relate only to the samples tested.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By : 

(Carol Tsai)

Tested By : 

(Louis Hsu)

Approved By : 

(Gene Chang)

TABLE OF CONTENTS

1. General Information

1.1. EUT Description

Product Name	WiFi EMTA Cable Modem
Trade Name	RCA
Model No.	DWG855xx
Frequency Range	2412~2462MHz
Channel Number	11
Type of Modulation (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Type of Modulation (IEEE 802.11g)	Orthogonal Frequency Division Multiplexing (OFDM)
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Antenna Gain	2dBi
Channel Control	Auto
Antenna Type	Main: Dipole AUX: Printed
Antenna Joint Type	Reverse SMA

Component	
Battery*2 (12.6V, 2200mA)	BP-LC2200/31-A0003S
LAN Cable	Non-Shielded, 1.75m
USB Cable	Shielded, 1.4m
Power Cable	Non-Shielded, 3.5m

Working Frequency of Each Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
001	2412 MHz	002	2417 MHz	003	2422 MHz	004	2427 MHz
005	2432 MHz	006	2437 MHz	007	2442 MHz	008	2447 MHz
009	2452 MHz	010	2457 MHz	011	2462 MHz		

Note:

1. This device is a WiFi EMTA Cable Modem included a 2.4GHz receiving function, and 2.4GHz transmitting function.
2. The xx in the model DWG855xx denotes the different market purpose; x can be 0-9, a-z, A-Z or blank.
3. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
4. Regards to the frequency band operation; the highest rate that was included the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
5. This device is a composite device in accordance with Part 15 regulations. The function receiving was measured and made a test report that the report number is 068H025-RF-US-P01V02 under Declaration of Conformity.

1.3. Test Mode

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
EMI	Mode 1: Transmit
Final Test Mode	
TX	Mode 1: Transmit

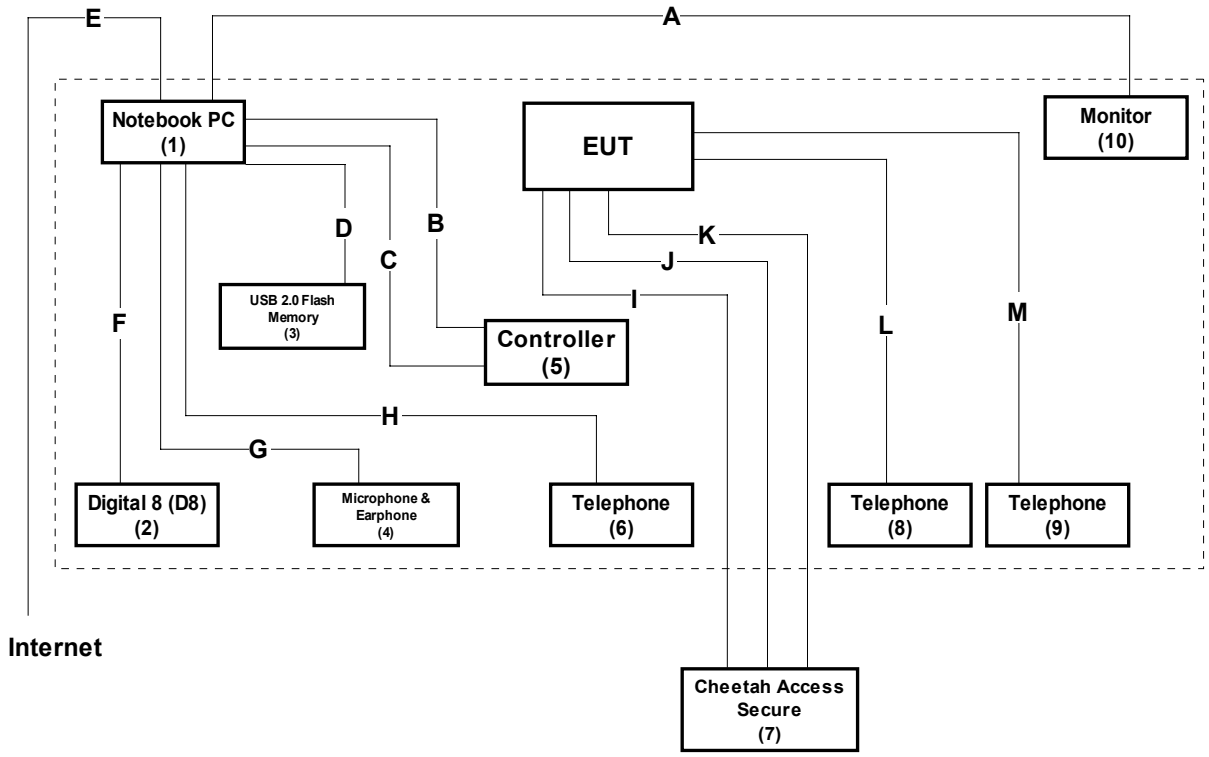
1.4. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	DELL	LATITUDE D400	N/A	DoC	Non-Shielded, 1.7m, one ferrite core bonded
2	Digital 8 (D8)	SONY	DCR-TRV110	P35209	DoC	--
3	USB 2.0 Flash Memory	Ridata	PEN000-DP065-37	N/A	DoC	--
4	Microphone & Earphone	Ronald	MOE060	N/A	DoC	--
5	Controller	Askey	N/A	N/A	DoC	--
6	Telephone	TENTEL	K-302	50721005000553	DoC	--
7	Cheetah Access Secure	Accton	AC-IG1104	N/A	DoC	Non-Shielded, 1.8m
8	Telephone	TENTEL	K-302	41230008000075	DoC	--
9	Telephone	TENTEL	K-302	41230008000113	DoC	--
10	Monitor	CHI MEI	A170E1-09	3UC120955CA0088	DoC	Non-Shielded, 1.8m

1.5. Configuration of tested System

Connection Diagram



Signal Cable Type		Signal cable Description
A	VGA Cable	Shielded, 1.6m
B	LAN Cable	Non-Shielded, 3m
C	RS232 Cable	Shielded, 3m
D	USB Cable	Shielded, 1.4m
E	LAN Cable	Non-Shielded, 10m
F	1394 Cable	Shielded, 1m
G	Microphone & Earphone Cable	Non-Shielded, 1.2m
H	Telephone Cable	Non-Shielded, 1.5m
I	LAN Cable	Non-Shielded, 10m
J	LAN Cable	Non-Shielded, 10m
K	LAN Cable	Non-Shielded, 10m
L	Telephone Cable	Non-Shielded, 1.5m
M	Telephone Cable	Non-Shielded, 1.5m
N	LAN Cable	Non-Shielded, 1.4m

1.6. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.4.
2	Turn on the power of all equipment.
3	Boot the PC from Hard Disk.
4	Data will communicate between Notebook PC and partner Notebook PC through EUT.
5	The Notebook PC's and partner Notebook PC's monitor will show the transmitting and receiving characteristics when the communication is success.
6	Repeat the above procedure (4) to (5).

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	22
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

January 24, 2005 File on
Federal Communications Commission
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520

Accredited by CNLA
Accreditation Number: 1313
Effective through: September 27, 2007

1313

ILAC MRA

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2006

NVLAP Lab Code : 200347-0

Site Name: Quietek Corporation

Site Address: No.75-1, Wang-Yeh Valley, Yung-Hsing,
Chiung-Lin, Hsin-Chu County,
Taiwan, R.O.C.
TEL : 886-3-592-8858 / FAX : 886-3-592-8859
E-Mail : service@quietek.com

2. Conducted Emission

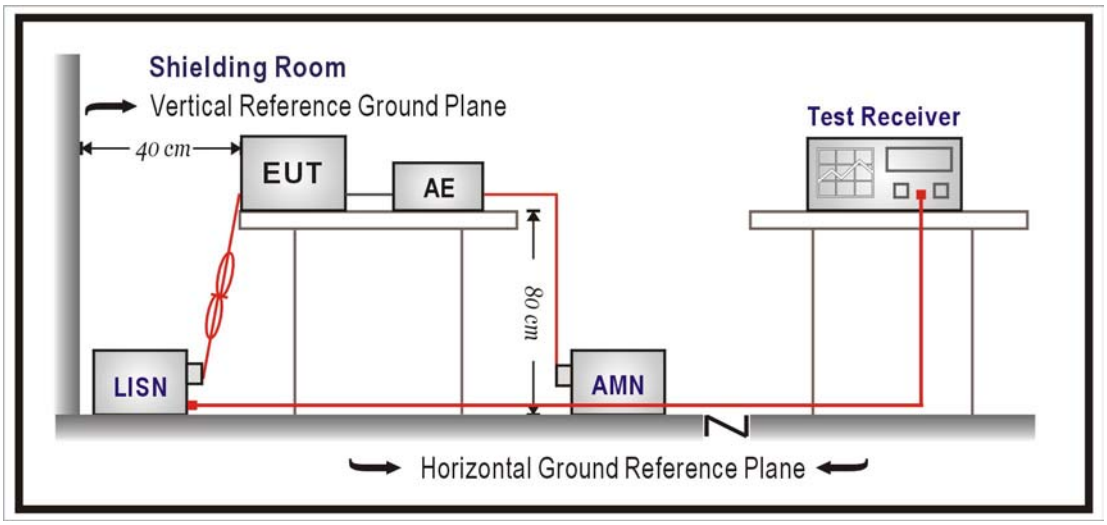
2.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.	Remark
1	Test Receiver	R & S	ESCS 30/825442/018	Sep., 2005	
2	Artificial Mains Network	R & S	ENV4200/848411/10	Feb., 2006	Peripheral
3	LISN	R & S	ESH3-Z5/825562/002	Feb., 2006	EUT
4	Pulse Limiter	R & S	ESH3-Z2/357.8810.52	Feb., 2006	
5	No.2 Shielded Room			N/A	

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 Limits (dBuV)		
Frequency MHz	QP	AV
0.15 - 0.50	66-56	56-46
0.50-5.0	56	46
5.0 - 30	60	50

Remarks : In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

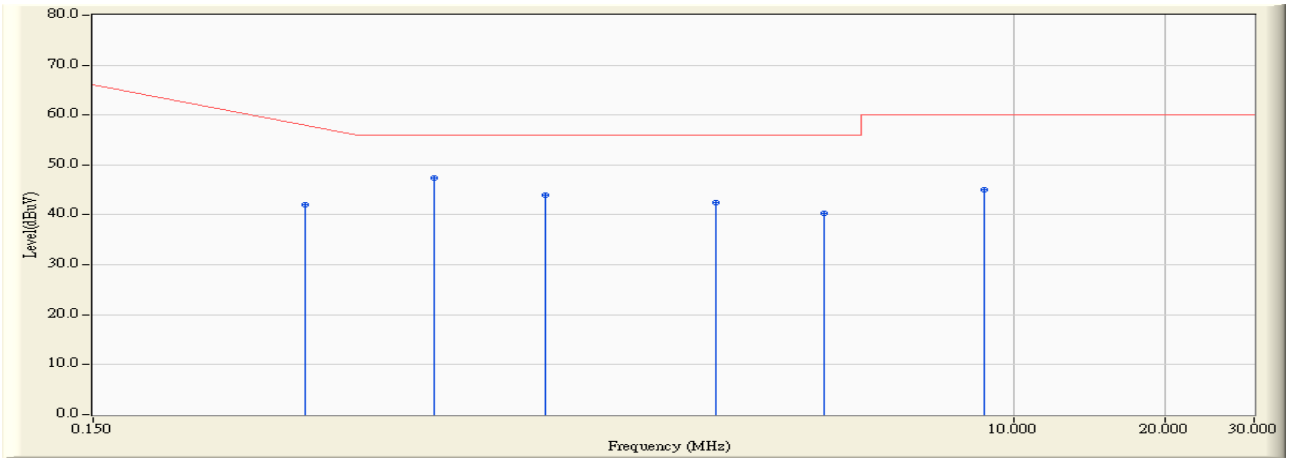
The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Test Specification

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207:2005

2.6. Test Result

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:06**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : WiFi EMTA Cable Modem	**Probe : QTK-LISN-SR2 - Line1**
Power : AC 120V/60Hz	**Note : TX-B**

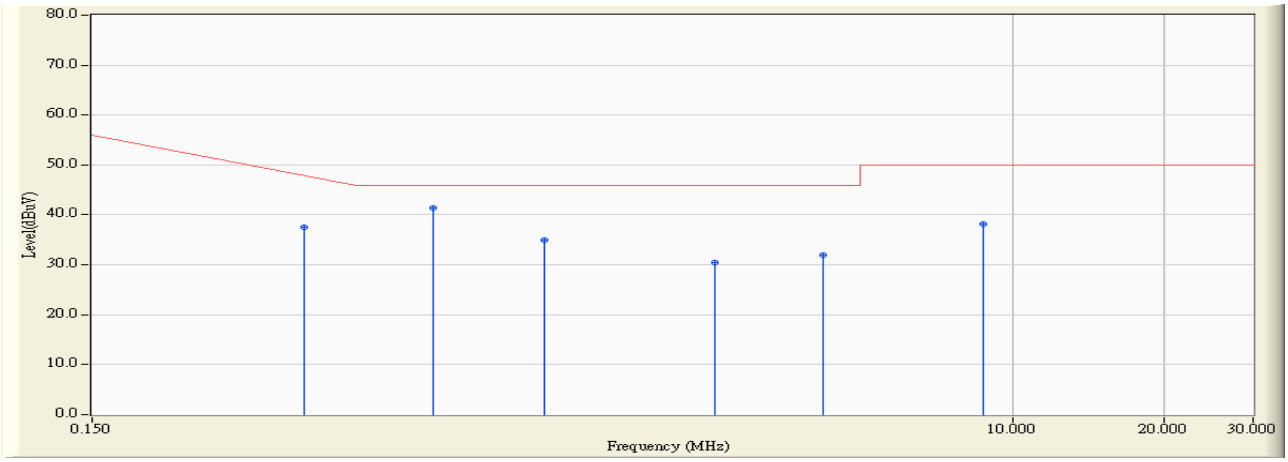


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.396	0.200	41.750	41.950	-17.021	58.971	QUASIPEAK
2	*	0.709	0.210	47.240	47.450	-8.550	56.000	QUASIPEAK
3		1.185	0.210	43.790	44.000	-12.000	56.000	QUASIPEAK
4		2.564	0.260	42.120	42.380	-13.620	56.000	QUASIPEAK
5		4.220	0.370	39.890	40.260	-15.740	56.000	QUASIPEAK
6		8.744	0.660	44.400	45.060	-14.940	60.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:06**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : WiFi EMTA Cable Modem	**Probe : QTK-LISN-SR2 - Line1**
Power : AC 120V/60Hz	**Note : TX-B**

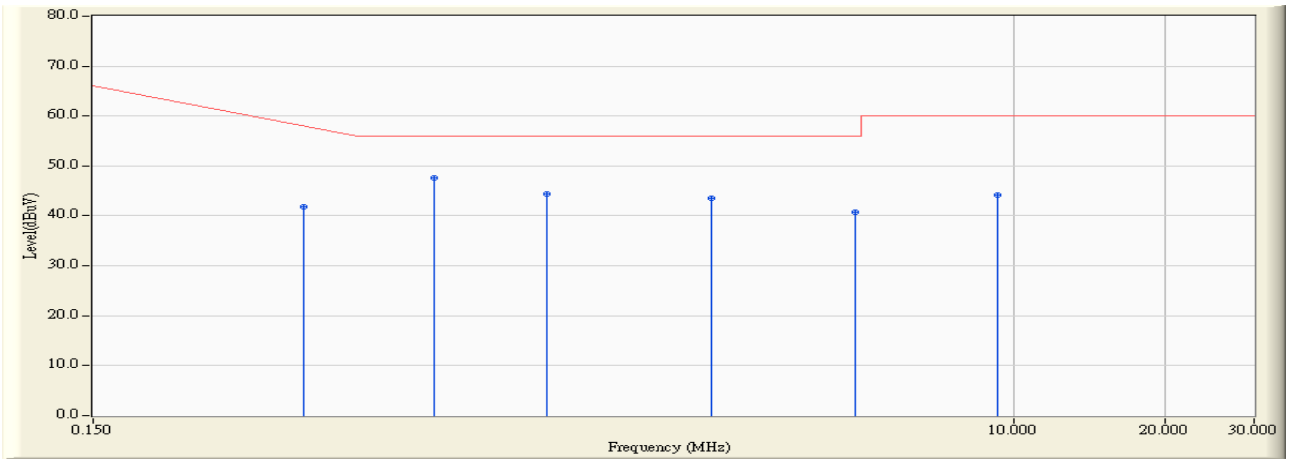


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.396	0.200	37.270	37.470	-11.501	48.971	AVERAGE
2	*	0.709	0.210	41.140	41.350	-4.650	46.000	AVERAGE
3		1.185	0.210	34.660	34.870	-11.130	46.000	AVERAGE
4		2.564	0.260	30.130	30.390	-15.610	46.000	AVERAGE
5		4.220	0.370	31.510	31.880	-14.120	46.000	AVERAGE
6		8.744	0.660	37.510	38.170	-11.830	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:11**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : WiFi EMTA Cable Modem	**Probe : QTK-LISN-SR2 - Line2**
Power : AC 120V/60Hz	**Note : TX-B**

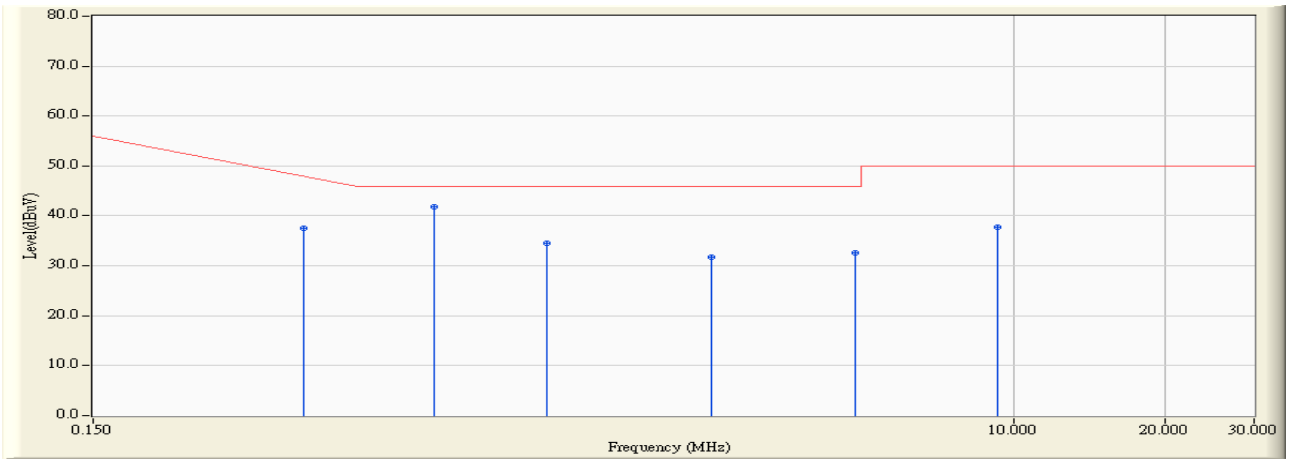


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.392	0.200	41.610	41.810	-17.276	59.086	QUASIPEAK
2	*	0.709	0.210	47.400	47.610	-8.390	56.000	QUASIPEAK
3		1.189	0.210	44.150	44.360	-11.640	56.000	QUASIPEAK
4		2.525	0.230	43.370	43.600	-12.400	56.000	QUASIPEAK
5		4.869	0.300	40.380	40.680	-15.320	56.000	QUASIPEAK
6		9.306	0.500	43.660	44.160	-15.840	60.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:11**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : WiFi EMTA Cable Modem	**Probe : QTK-LISN-SR2 - Line2**
Power : AC 120V/60Hz	**Note : TX-B**

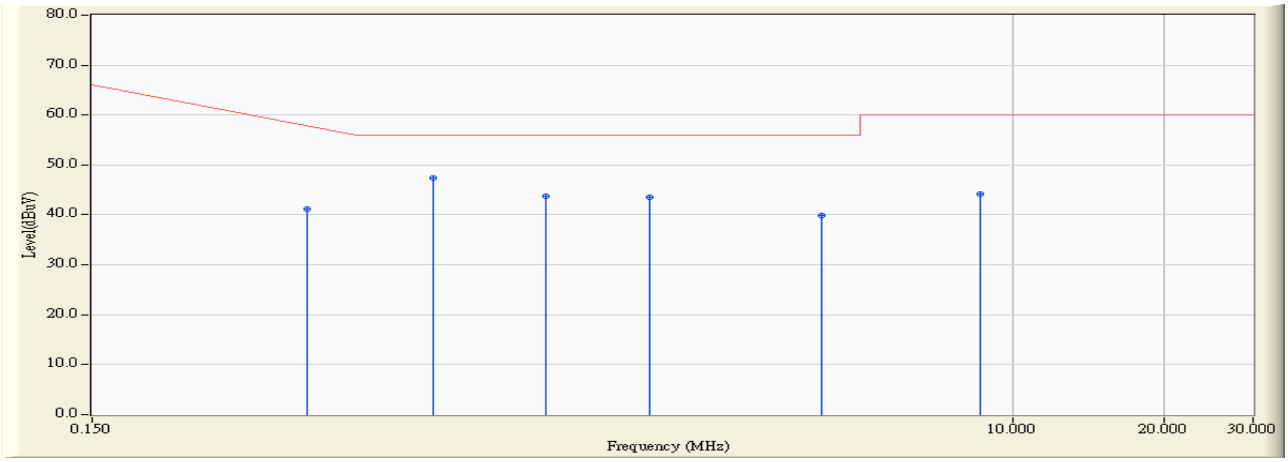


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.392	0.200	37.400	37.600	-11.486	49.086	AVERAGE
2	*	0.709	0.210	41.690	41.900	-4.100	46.000	AVERAGE
3		1.189	0.210	34.320	34.530	-11.470	46.000	AVERAGE
4		2.525	0.230	31.480	31.710	-14.290	46.000	AVERAGE
5		4.869	0.300	32.380	32.680	-13.320	46.000	AVERAGE
6		9.306	0.500	37.220	37.720	-12.280	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:23**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : WiFi EMTA Cable Modem	**Probe : QTK-LISN-SR2 - Line1**
Power : AC 120V/60Hz	**Note : TX-G**

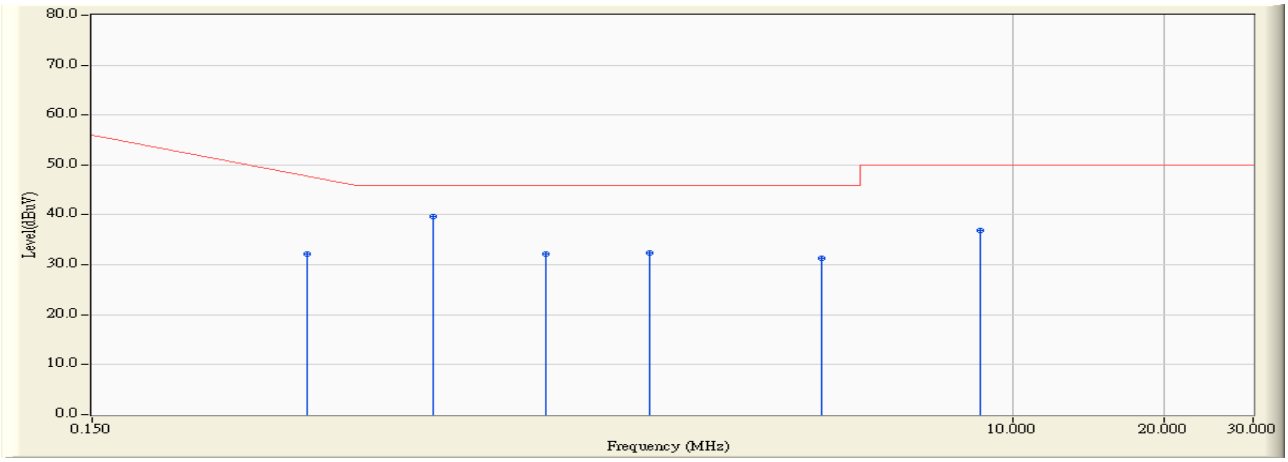


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.400	0.200	40.940	41.140	-17.717	58.857	QUASIPEAK
2	*	0.713	0.210	47.240	47.450	-8.550	56.000	QUASIPEAK
3		1.189	0.210	43.440	43.650	-12.350	56.000	QUASIPEAK
4		1.908	0.220	43.320	43.540	-12.460	56.000	QUASIPEAK
5		4.197	0.370	39.580	39.950	-16.050	56.000	QUASIPEAK
6		8.638	0.640	43.520	44.160	-15.840	60.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:23**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : WiFi EMTA Cable Modem	**Probe : QTK-LISN-SR2 - Line1**
Power : AC 120V/60Hz	**Note : TX-G**

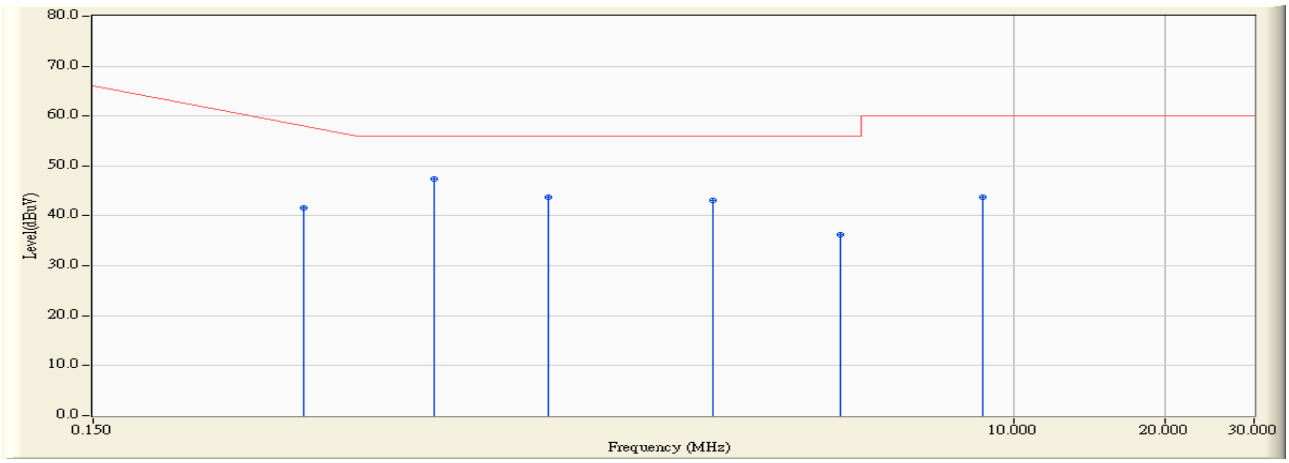


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.400	0.200	32.000	32.200	-16.657	48.857	AVERAGE
2	*	0.713	0.210	39.430	39.640	-6.360	46.000	AVERAGE
3		1.189	0.210	31.860	32.070	-13.930	46.000	AVERAGE
4		1.908	0.220	32.110	32.330	-13.670	46.000	AVERAGE
5		4.197	0.370	30.870	31.240	-14.760	46.000	AVERAGE
6		8.638	0.640	36.200	36.840	-13.160	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:27**
Limit : CISPR_B_00M_QP	**Margin : 0**
EUT : WiFi EMTA Cable Modem	**Probe : QTK-LISN-SR2 - Line2**
Power : AC 120V/60Hz	**Note : TX-G**

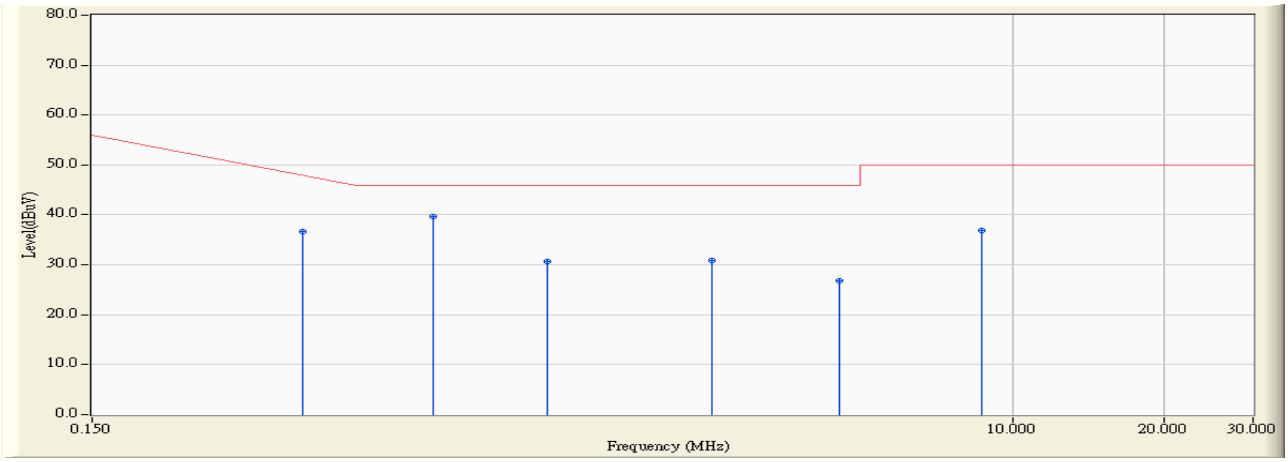


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.392	0.200	41.430	41.630	-17.456	59.086	QUASIPEAK
2	*	0.713	0.210	47.140	47.350	-8.650	56.000	QUASIPEAK
3		1.197	0.210	43.540	43.750	-12.250	56.000	QUASIPEAK
4		2.545	0.230	42.850	43.080	-12.920	56.000	QUASIPEAK
5		4.537	0.280	35.950	36.230	-19.770	56.000	QUASIPEAK
6		8.673	0.478	43.220	43.698	-16.302	60.000	QUASIPEAK

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Site : QuieTek Shielding Room 2	**Time : 2006/08/05 - 14:27**
Limit : CISPR_B_00M_AV	**Margin : 0**
EUT : **WiFi EMTA Cable Modem**	**Probe : QTK-LISN-SR2 - Line2**
Power : AC 120V/60Hz	**Note : TX-G**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.392	0.200	36.550	36.750	-12.336	49.086	AVERAGE
2	*	0.713	0.210	39.500	39.710	-6.290	46.000	AVERAGE
3		1.197	0.210	30.460	30.670	-15.330	46.000	AVERAGE
4		2.545	0.230	30.680	30.910	-15.090	46.000	AVERAGE
5		4.537	0.280	26.460	26.740	-19.260	46.000	AVERAGE
6		8.673	0.478	36.430	36.908	-13.092	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

3. Peak Power Output

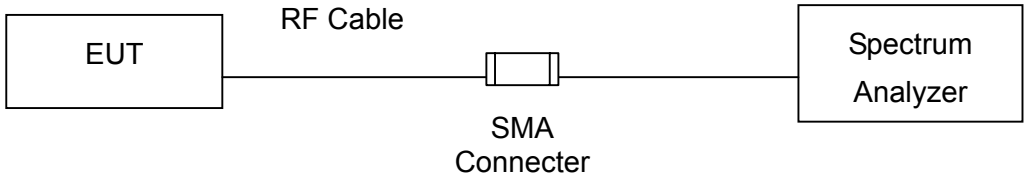
3.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R&S	FSP/ 100005	Oct., 2005
2	No.1 OATS			Sep., 2005

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

3.2. Test Setup



3.3. Limits

The maximum peak power shall be less 1 Watt.

3.4. Test Specification

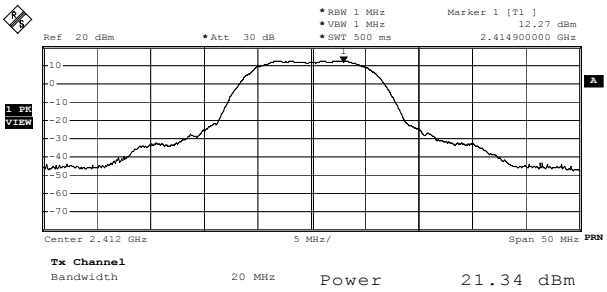
According to FCC CFR Title 47 Part 15 Subpart C Section 15.247:2005

3.5. Test Result

Product	WiFi EMTA Cable Modem		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/04	Test Site	No.1 OATS

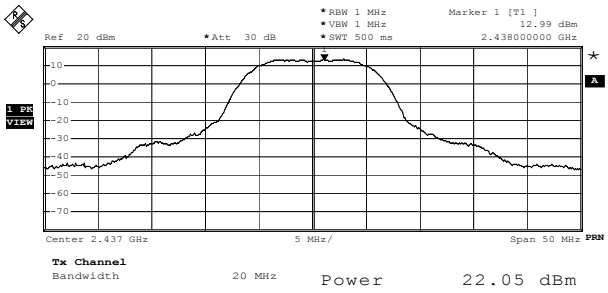
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	21.34	1Watt= 30 dBm	Pass
6	2437	22.05	1Watt= 30 dBm	Pass
11	2462	21.52	1Watt= 30 dBm	Pass

Channel 1



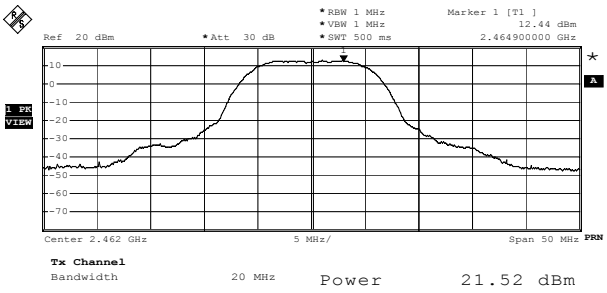
Date: 4.AUG.2006 19:24:33

Channel 6



Date: 4.AUG.2006 20:04:55

Channel 11



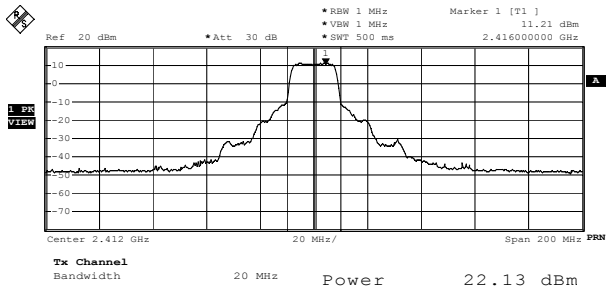
Date: 4.AUG.2006 20:15:48

Product	WiFi EMTA Cable Modem		
Test Item	Peak Power Output		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/04	Test Site	No.1 OATS

IEEE 802.11g

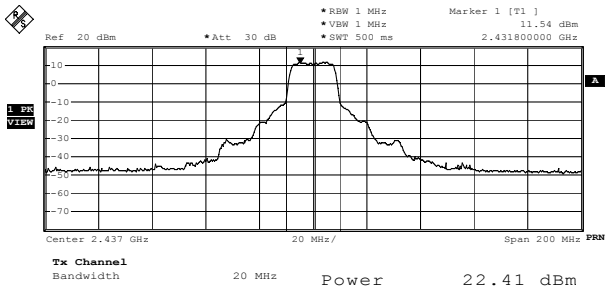
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	22.13	1Watt= 30 dBm	Pass
6	2437	22.41	1Watt= 30 dBm	Pass
11	2462	22.21	1Watt= 30 dBm	Pass

Channel 1



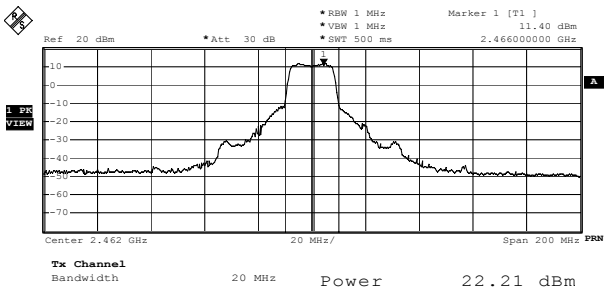
Date: 4.AUG.2006 20:39:59

Channel 6



Date: 4.AUG.2006 20:52:36

Channel 11



Date: 4.AUG.2006 21:02:54

4. Radiated Emission

4.1. Test Equipment

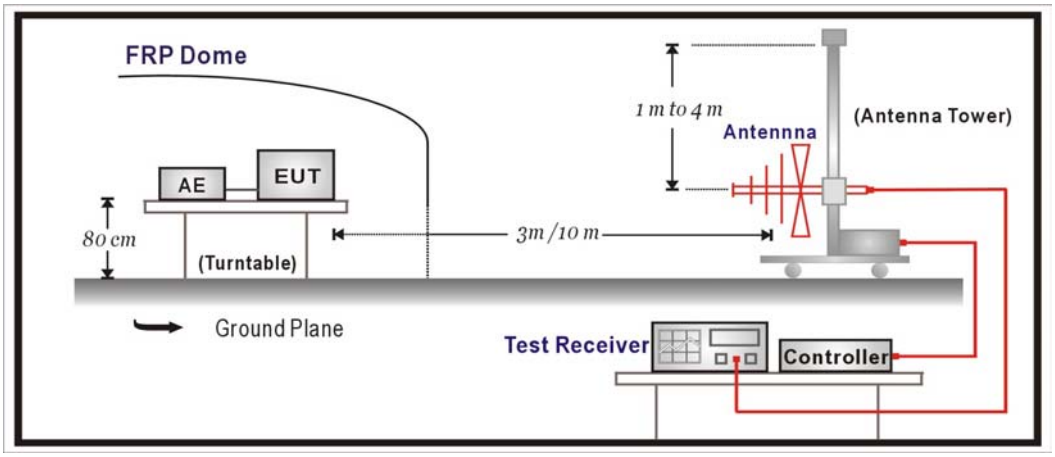
The following test equipment are used during the test:

Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Test Receiver	R & S	ESCS 30 / 825442/017	Jan., 2006
2	X	Spectrum Analyzer	Advantest	R3261C / 81720266	N/A
3	X	Pre-Amplifier	HP	8447D / 2944A09276	N/A
4	X	Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2005
5	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2006
6	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2006
7	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Jul., 2006
8	No.1 OATS				Sep., 2005

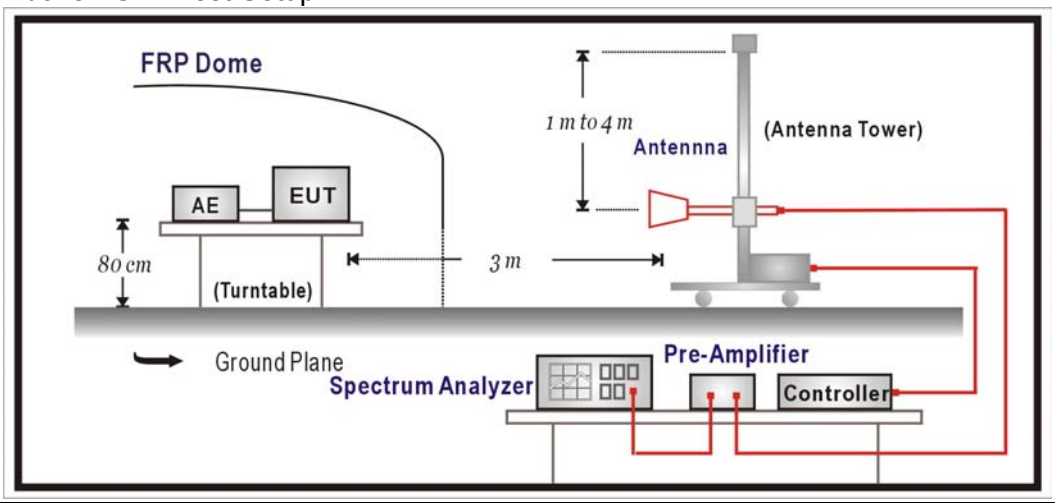
Note: 1. All equipments that need to calibrate are with calibration period of 1 year.
2. Mark “X” test instruments are used to measure the final test results.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m	dBuV/m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

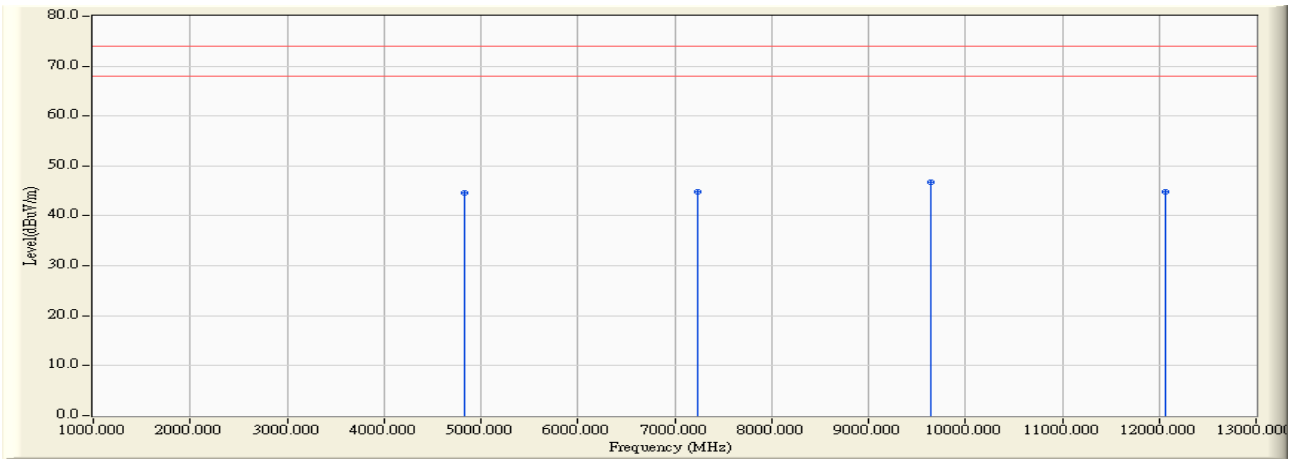
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC CFR Title 47 Part 15 Subpart C Section 15.209:2005

4.6. Test Result

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 15:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-B-CH1**

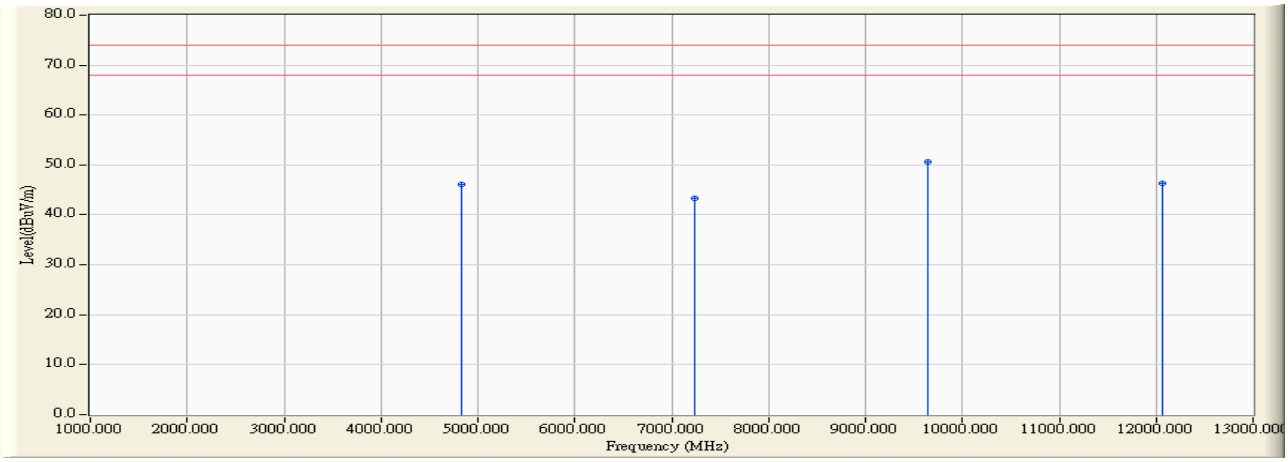


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4824.150	1.463	43.190	44.653	-29.347	74.000	PEAK	0.000	0.000
2		7236.360	6.857	37.890	44.747	-29.253	74.000	PEAK	0.000	0.000
3	*	9648.230	9.950	36.740	46.690	-27.310	74.000	PEAK	0.000	0.000
4		12060.180	10.219	34.680	44.900	-29.100	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 15:56**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-B-CH1**

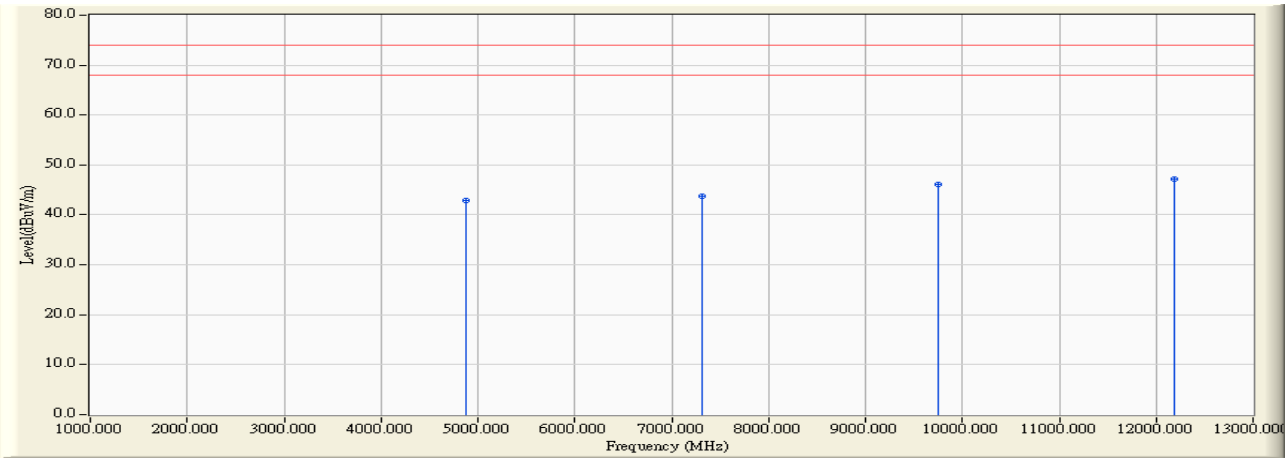


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4823.920	-0.290	46.430	46.140	-27.860	74.000	PEAK	0.000	0.000
2		7236.020	6.855	36.540	43.395	-30.605	74.000	PEAK	0.000	0.000
3	*	9647.970	11.951	38.690	50.641	-23.359	74.000	PEAK	0.000	0.000
4		12060.130	12.372	34.010	46.382	-27.618	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:06**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-B-CH6**

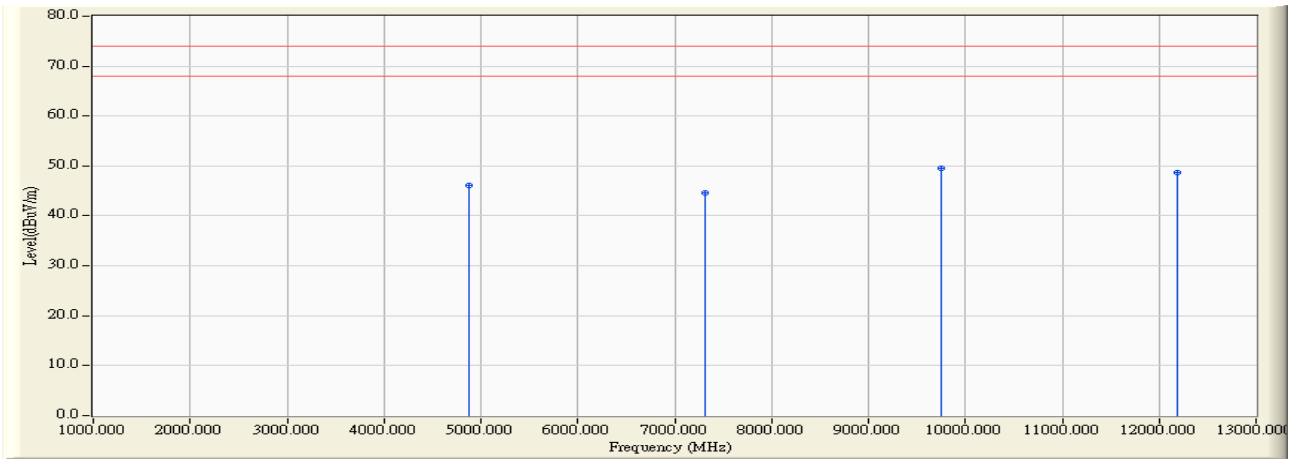


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4874.180	1.666	41.310	42.976	-31.024	74.000	PEAK	0.000	0.000
2		7310.810	7.334	36.450	43.784	-30.216	74.000	PEAK	0.000	0.000
3		9747.810	9.727	36.300	46.027	-27.973	74.000	PEAK	0.000	0.000
4	*	12185.180	14.068	33.070	47.138	-26.862	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:11**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-B-CH6**

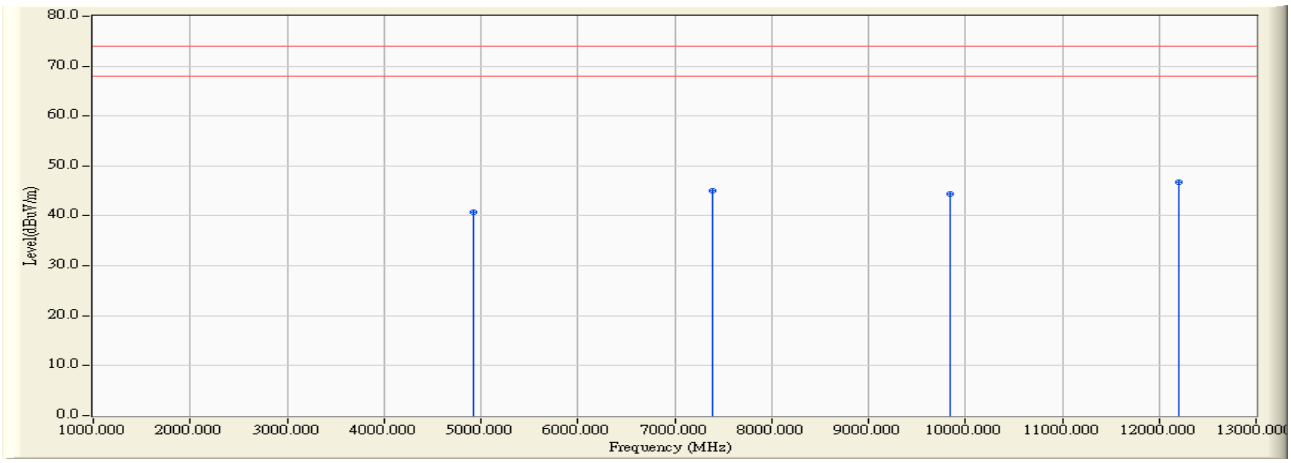


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4874.070	0.012	46.110	46.122	-27.878	74.000	PEAK	0.000	0.000
2		7311.100	7.336	37.230	44.566	-29.434	74.000	PEAK	0.000	0.000
3	*	9748.030	11.726	37.880	49.606	-24.394	74.000	PEAK	0.000	0.000
4		12185.020	14.395	34.220	48.615	-25.385	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:18**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-B-CH11**

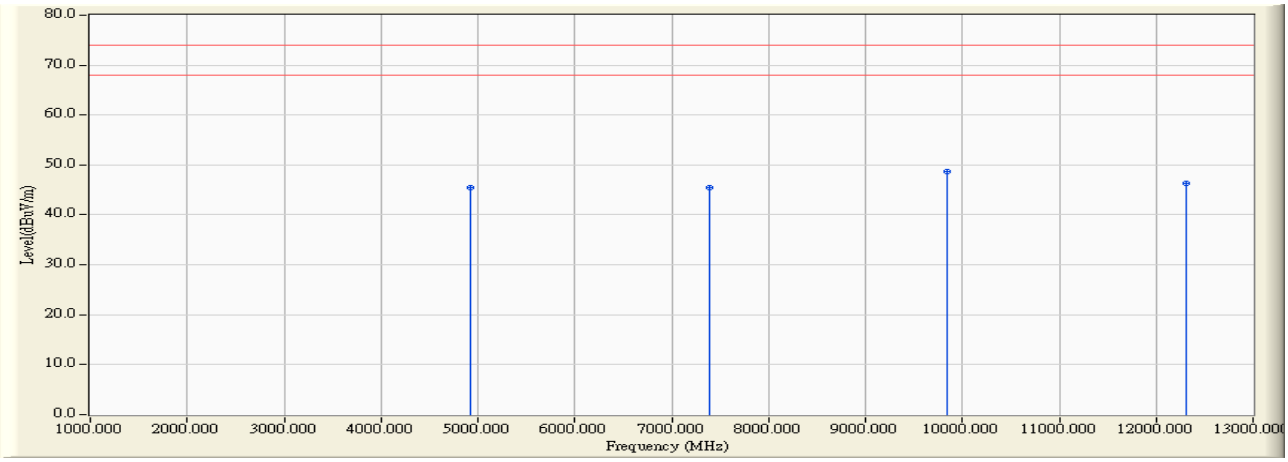


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4924.210	1.860	38.850	40.711	-33.289	74.000	PEAK	0.000	0.000
2		7385.360	7.813	37.220	45.033	-28.967	74.000	PEAK	0.000	0.000
3		9848.210	9.811	34.500	44.311	-29.689	74.000	PEAK	0.000	0.000
4	*	12204.530	13.393	33.310	46.703	-27.297	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:23**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-B-CH11**

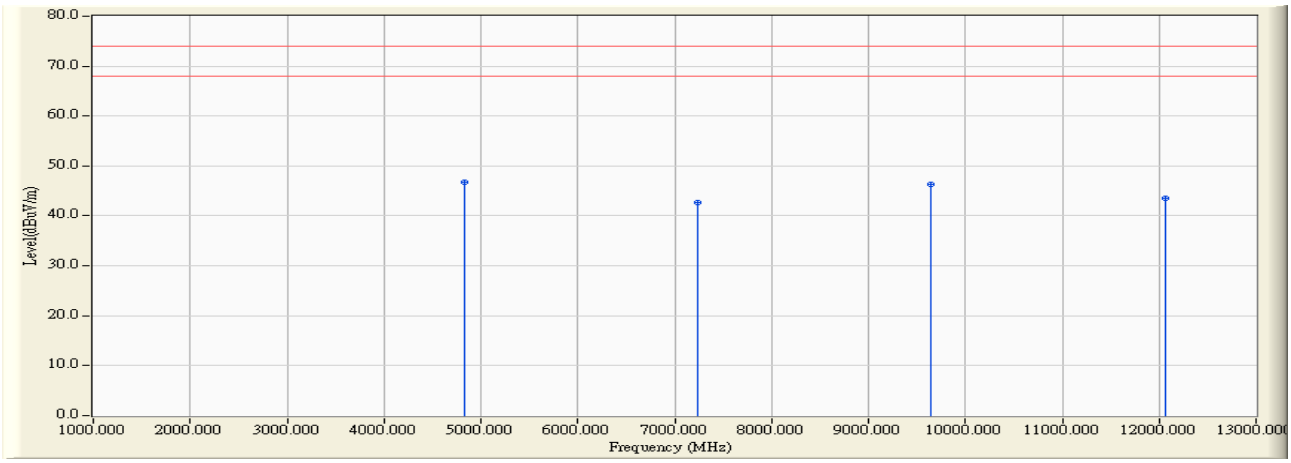


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4923.810	0.312	45.110	45.422	-28.578	74.000	PEAK	0.000	0.000
2		7386.180	7.819	37.560	45.378	-28.622	74.000	PEAK	0.000	0.000
3	*	9847.800	11.332	37.320	48.652	-25.348	74.000	PEAK	0.000	0.000
4		12310.090	12.281	34.060	46.342	-27.658	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:35**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-G-CH1**

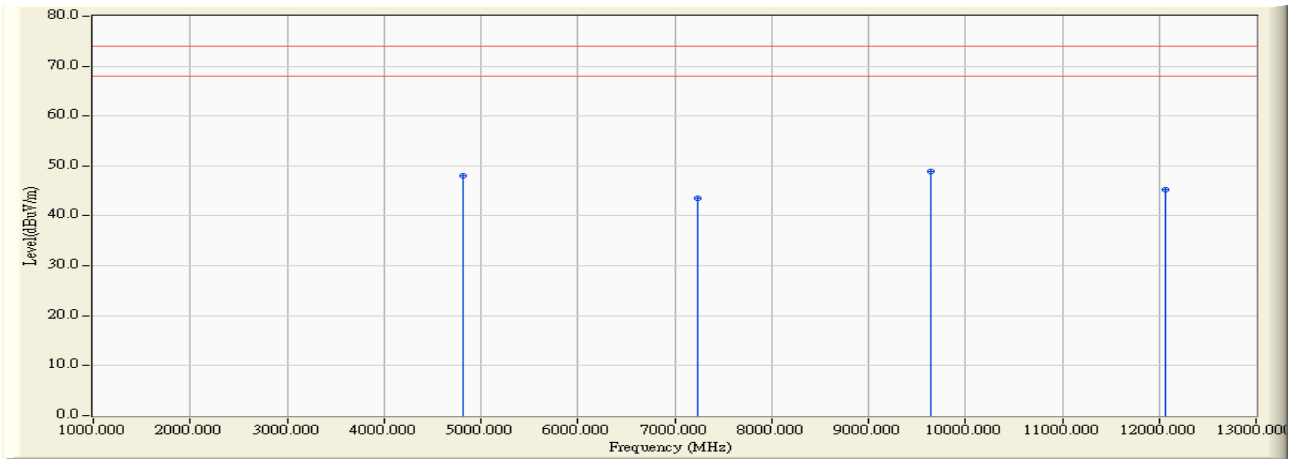


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	4824.050	1.463	45.320	46.783	-27.217	74.000	PEAK	0.000	0.000
2		7236.050	6.855	35.750	42.605	-31.395	74.000	PEAK	0.000	0.000
3		9647.980	9.951	36.440	46.391	-27.609	74.000	PEAK	0.000	0.000
4		12059.980	10.202	33.310	43.512	-30.488	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:41**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-G-CH1**

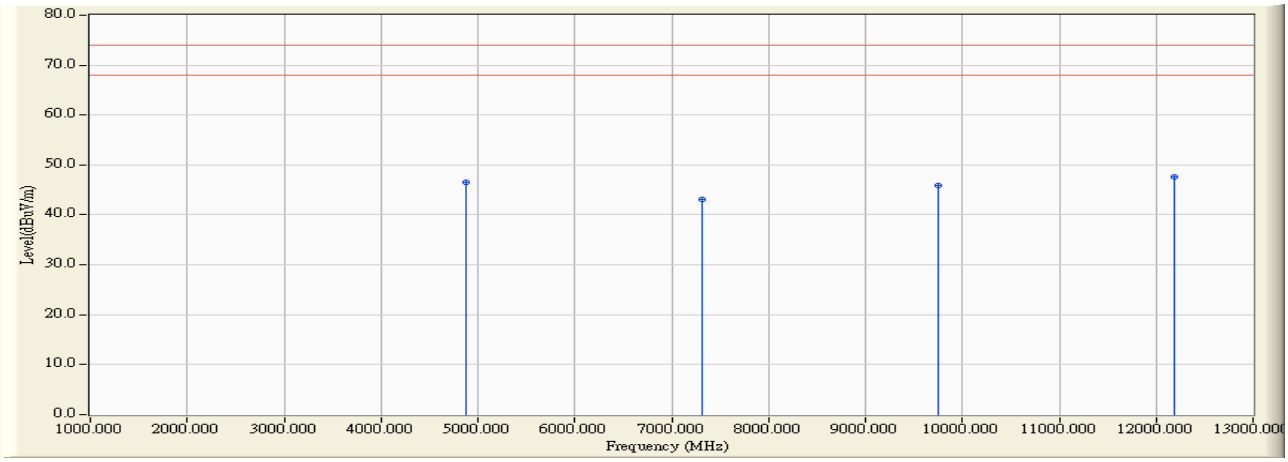


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4822.780	-0.296	48.410	48.114	-25.886	74.000	PEAK	0.000	0.000
2		7236.470	6.858	36.640	43.498	-30.502	74.000	PEAK	0.000	0.000
3	*	9647.720	11.952	36.900	48.852	-25.148	74.000	PEAK	0.000	0.000
4		12060.000	12.371	32.910	45.280	-28.720	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:49**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-G-CH6**

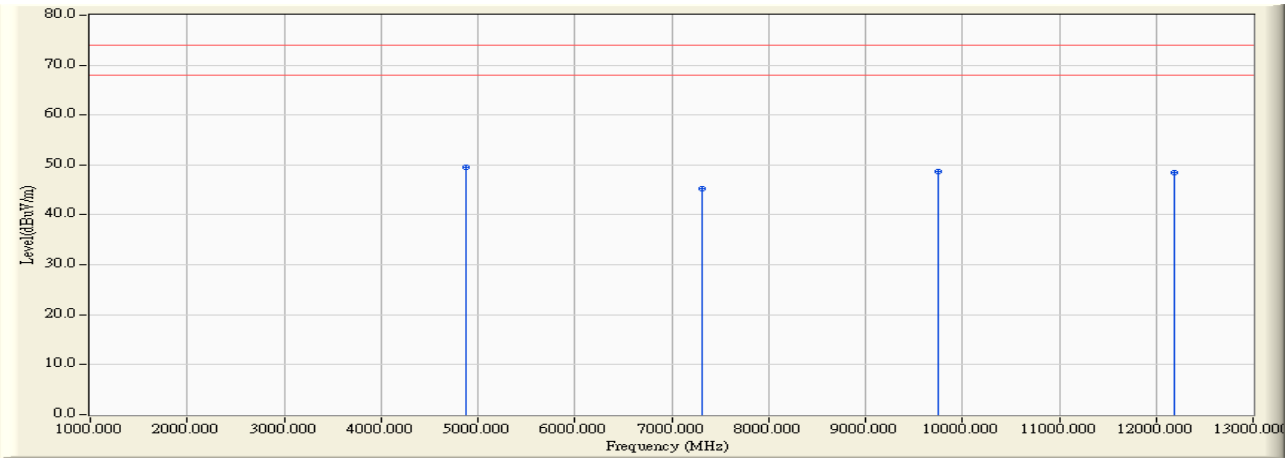


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4873.890	1.665	44.980	46.645	-27.355	74.000	PEAK	0.000	0.000
2		7311.100	7.336	35.850	43.186	-30.814	74.000	PEAK	0.000	0.000
3		9747.700	9.727	36.240	45.967	-28.033	74.000	PEAK	0.000	0.000
4	*	12184.970	14.067	33.470	47.537	-26.463	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 16:54**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-G-CH6**

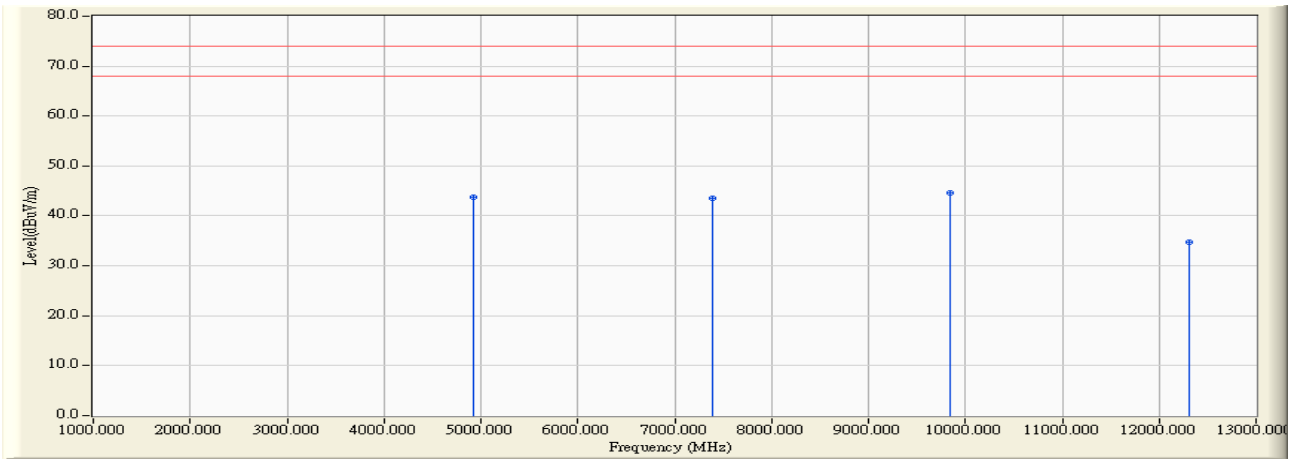


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	4872.830	0.005	49.490	49.495	-24.505	74.000	PEAK	0.000	0.000
2		7311.520	7.339	37.870	45.209	-28.791	74.000	PEAK	0.000	0.000
3		9748.290	11.726	36.950	48.676	-25.324	74.000	PEAK	0.000	0.000
4		12185.070	14.396	34.010	48.406	-25.594	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 17:03**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-G-CH11**

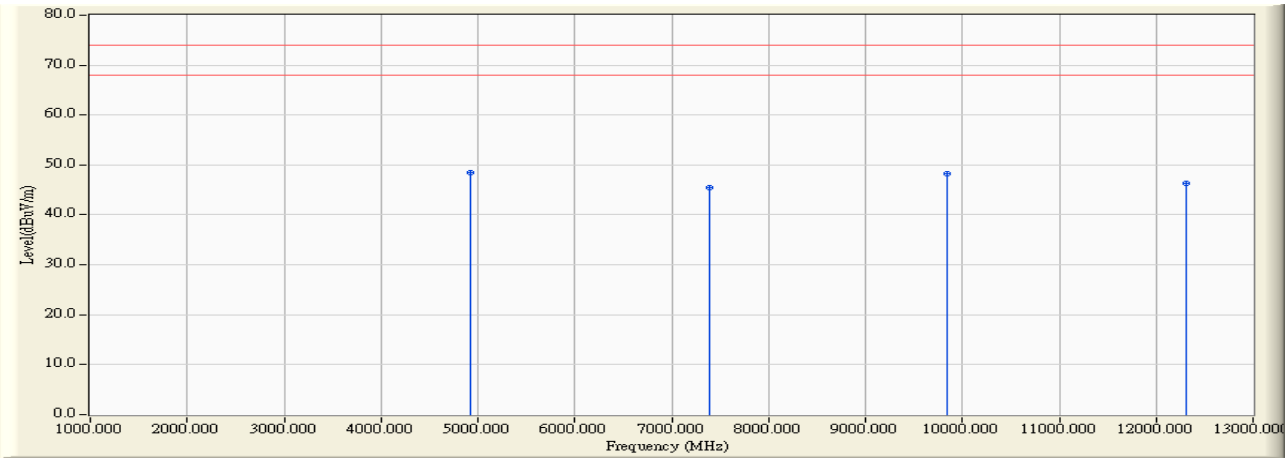


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		4925.700	1.866	41.990	43.856	-30.144	74.000	PEAK	0.000	0.000
2		7385.840	7.816	35.640	43.456	-30.544	74.000	PEAK	0.000	0.000
3	*	9848.150	9.811	34.860	44.671	-29.329	74.000	PEAK	0.000	0.000
4		12310.050	0.695	34.080	34.775	-39.225	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/05 - 17:09**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_1G-18G(2005-3) - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-G-CH11**

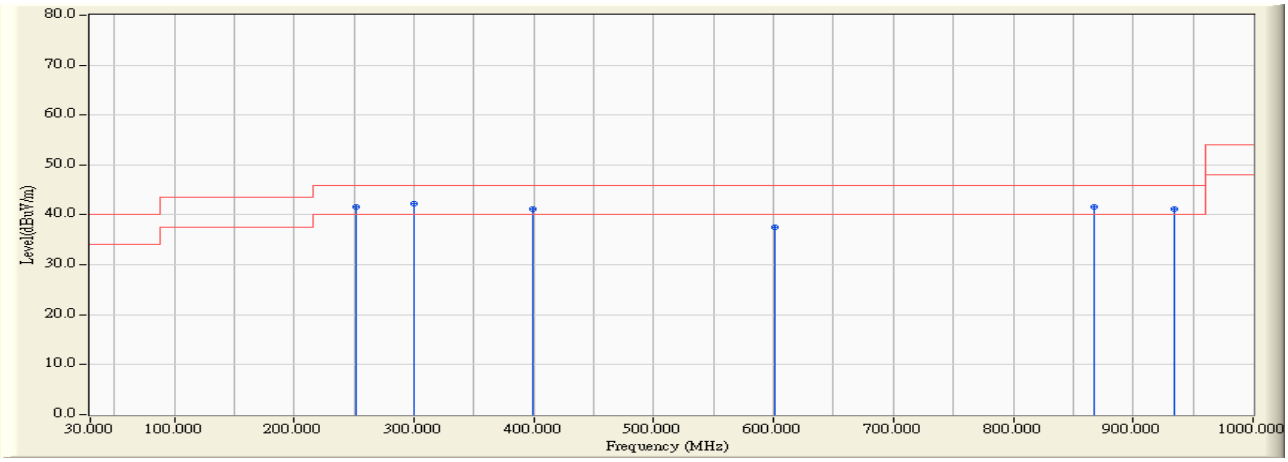


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	4926.270	0.326	48.050	48.376	-25.624	74.000	PEAK	0.000	0.000
2		7386.890	7.823	37.660	45.483	-28.517	74.000	PEAK	0.000	0.000
3		9847.650	11.333	36.860	48.193	-25.807	74.000	PEAK	0.000	0.000
4		12310.020	12.283	33.950	46.233	-27.767	74.000	PEAK	0.000	0.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-B-CH1**

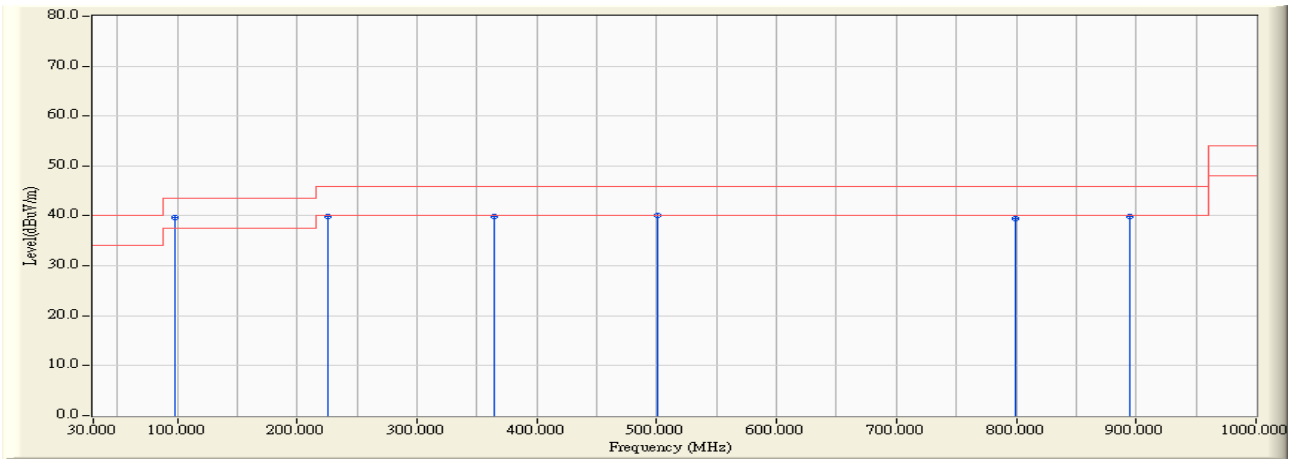


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		251.603	-8.395	49.915	41.520	-4.480	46.000	QUASIPEAK	0.000	0.000
2	*	300.200	-3.964	46.284	42.320	-3.680	46.000	QUASIPEAK	0.000	0.000
3		399.339	1.183	40.058	41.240	-4.760	46.000	QUASIPEAK	0.000	0.000
4		601.503	2.840	34.692	37.532	-8.468	46.000	QUASIPEAK	0.000	0.000
5		867.816	4.879	36.658	41.538	-4.462	46.000	QUASIPEAK	0.000	0.000
6		933.908	3.908	37.370	41.278	-4.722	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:27**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-B-CH1**

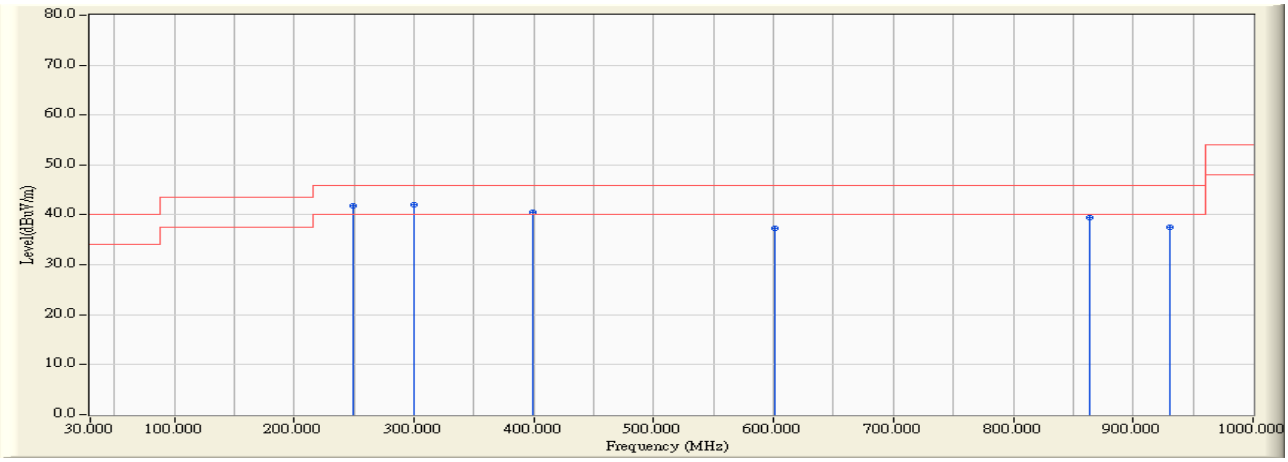


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	98.036	-1.216	40.858	39.642	-3.858	43.500	QUASIPEAK	0.000	0.000
2		226.333	-7.220	47.047	39.827	-6.173	46.000	QUASIPEAK	0.000	0.000
3		364.349	-1.774	41.747	39.973	-6.027	46.000	QUASIPEAK	0.000	0.000
4		500.421	-3.058	43.069	40.011	-5.989	46.000	QUASIPEAK	0.000	0.000
5		799.780	4.878	34.548	39.426	-6.574	46.000	QUASIPEAK	0.000	0.000
6		895.030	1.897	38.078	39.975	-6.025	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:32**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-B-CH6**

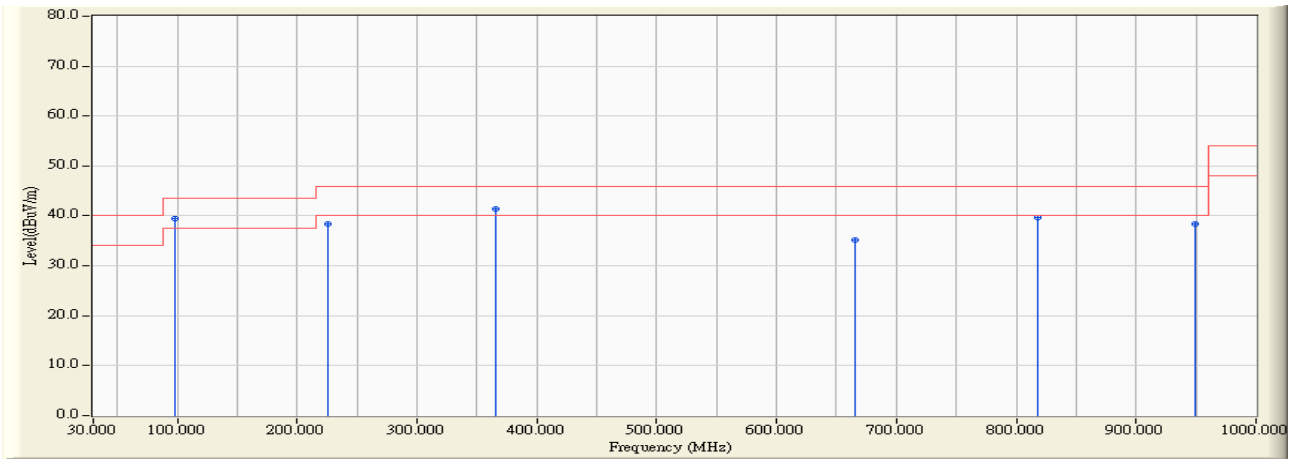


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		249.659	-8.837	50.765	41.928	-4.072	46.000	QUASIPEAK	0.000	0.000
2	*	300.200	-3.964	46.054	42.090	-3.910	46.000	QUASIPEAK	0.000	0.000
3		399.339	1.183	39.419	40.601	-5.399	46.000	QUASIPEAK	0.000	0.000
4		601.503	2.840	34.554	37.394	-8.606	46.000	QUASIPEAK	0.000	0.000
5		863.928	4.519	34.922	39.441	-6.559	46.000	QUASIPEAK	0.000	0.000
6		930.020	4.047	33.484	37.531	-8.469	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:37**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-B-CH6**

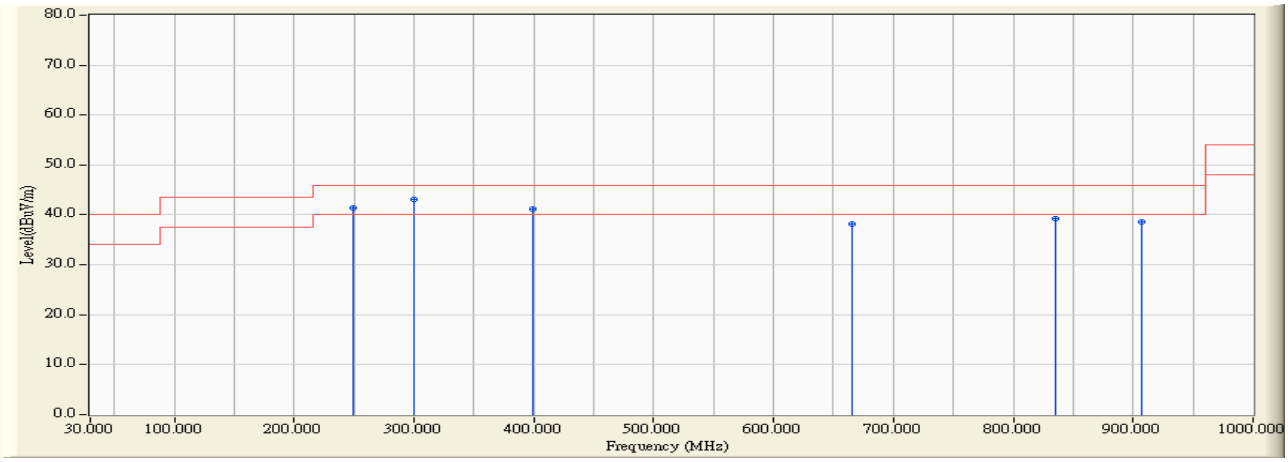


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	98.036	-1.216	40.730	39.514	-3.986	43.500	QUASIPEAK	0.000	0.000
2		226.333	-7.220	45.664	38.444	-7.556	46.000	QUASIPEAK	0.000	0.000
3		366.293	-1.510	42.831	41.321	-4.679	46.000	QUASIPEAK	0.000	0.000
4		665.651	-2.748	37.822	35.073	-10.927	46.000	QUASIPEAK	0.000	0.000
5		817.275	4.676	34.955	39.631	-6.369	46.000	QUASIPEAK	0.000	0.000
6		949.459	7.820	30.668	38.487	-7.513	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:39**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-B-CH11**

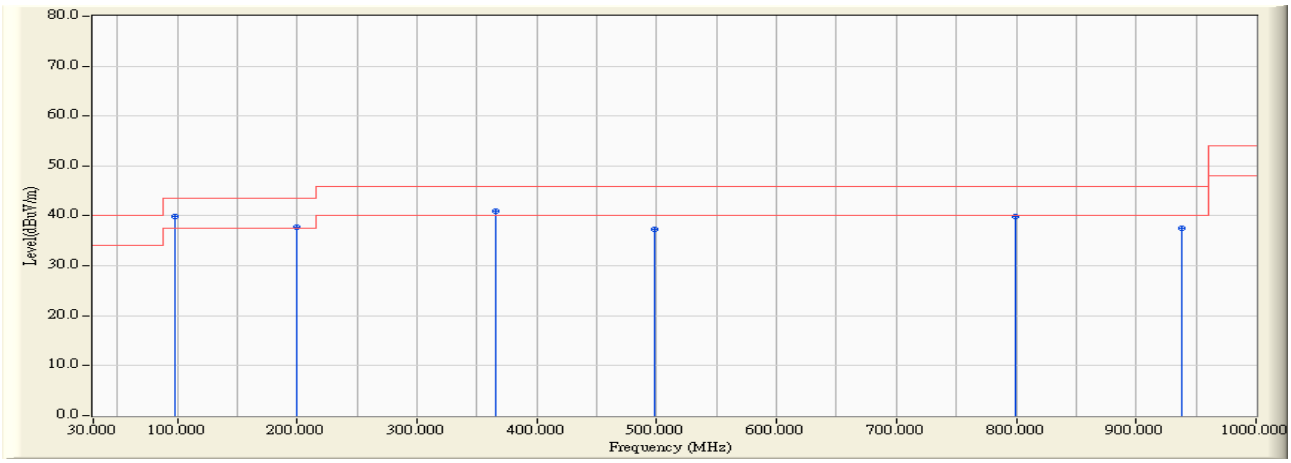


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		249.659	-8.837	50.306	41.469	-4.531	46.000	QUASIPEAK	0.000	0.000
2	*	300.200	-3.964	47.169	43.205	-2.795	46.000	QUASIPEAK	0.000	0.000
3		399.339	1.183	40.058	41.240	-4.760	46.000	QUASIPEAK	0.000	0.000
4		665.651	1.802	36.268	38.070	-7.930	46.000	QUASIPEAK	0.000	0.000
5		834.770	4.225	35.046	39.271	-6.729	46.000	QUASIPEAK	0.000	0.000
6		906.693	4.432	34.200	38.632	-7.368	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:44**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-B-CH11**

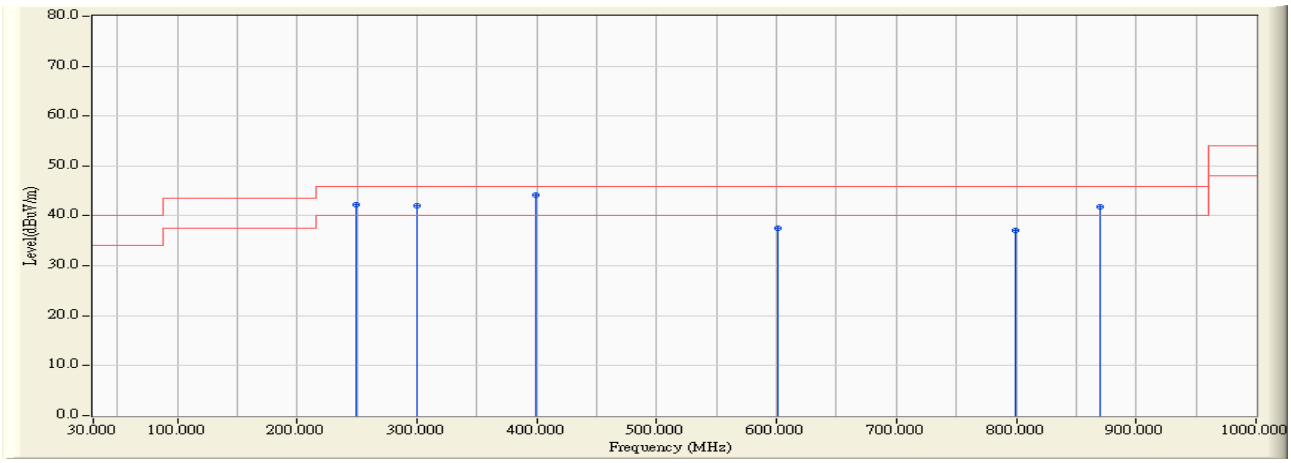


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	98.036	-1.216	41.066	39.850	-3.650	43.500	QUASIPEAK	0.000	0.000
2		199.118	-3.468	41.239	37.771	-5.729	43.500	QUASIPEAK	0.000	0.000
3		366.293	-1.510	42.563	41.053	-4.947	46.000	QUASIPEAK	0.000	0.000
4		498.477	-3.242	40.462	37.220	-8.780	46.000	QUASIPEAK	0.000	0.000
5		799.780	4.878	35.016	39.894	-6.106	46.000	QUASIPEAK	0.000	0.000
6		937.796	9.018	28.544	37.563	-8.437	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:47**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-G-CH1**

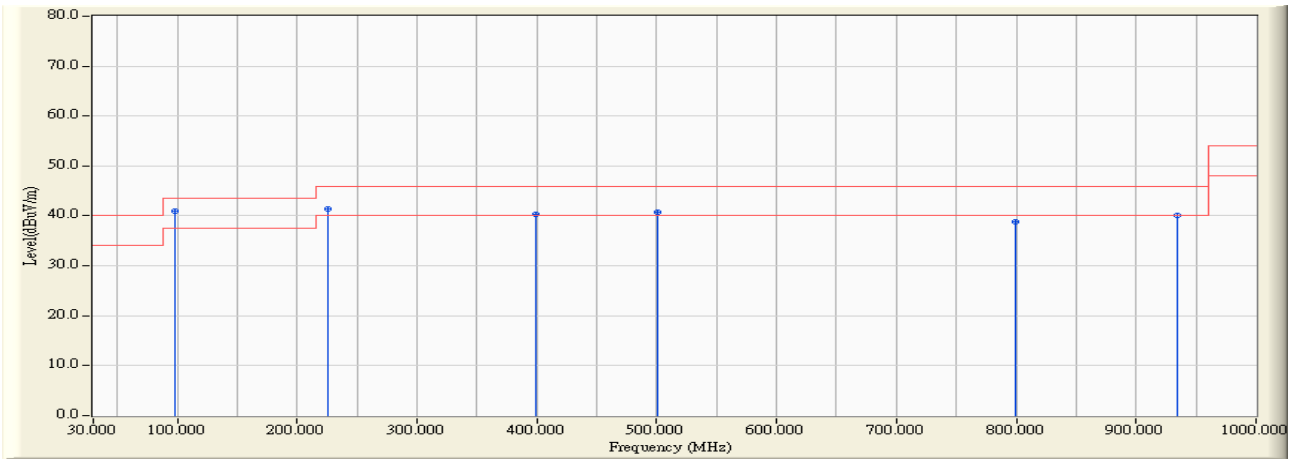


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		249.659	-8.837	51.103	42.266	-3.734	46.000	QUASIPEAK	0.000	0.000
2		300.200	-3.964	45.896	41.932	-4.068	46.000	QUASIPEAK	0.000	0.000
3	*	399.339	1.183	42.978	44.160	-1.840	46.000	QUASIPEAK	0.000	0.000
4		601.503	2.840	34.731	37.571	-8.429	46.000	QUASIPEAK	0.000	0.000
5		799.780	3.458	33.566	37.024	-8.976	46.000	QUASIPEAK	0.000	0.000
6		869.760	5.060	36.689	41.749	-4.251	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:49**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-G-CH1**

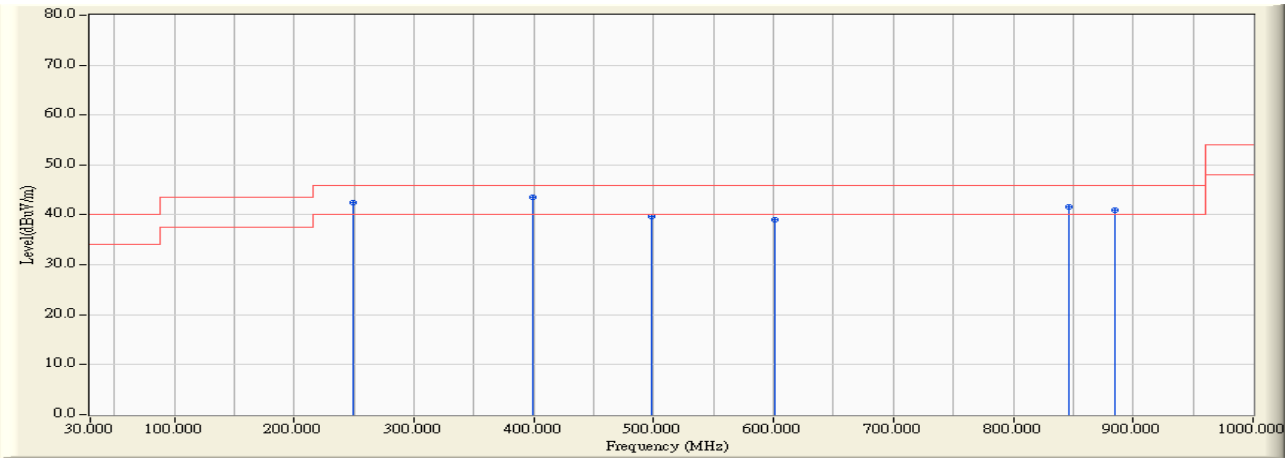


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	98.036	-1.216	42.154	40.938	-2.562	43.500	QUASIPEAK	0.000	0.000
2		226.333	-7.220	48.617	41.397	-4.603	46.000	QUASIPEAK	0.000	0.000
3		399.339	-0.497	40.852	40.355	-5.645	46.000	QUASIPEAK	0.000	0.000
4		500.421	-3.058	43.809	40.751	-5.249	46.000	QUASIPEAK	0.000	0.000
5		799.780	4.878	34.048	38.926	-7.074	46.000	QUASIPEAK	0.000	0.000
6		933.908	7.255	32.823	40.078	-5.922	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 13:51**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-G-CH6**

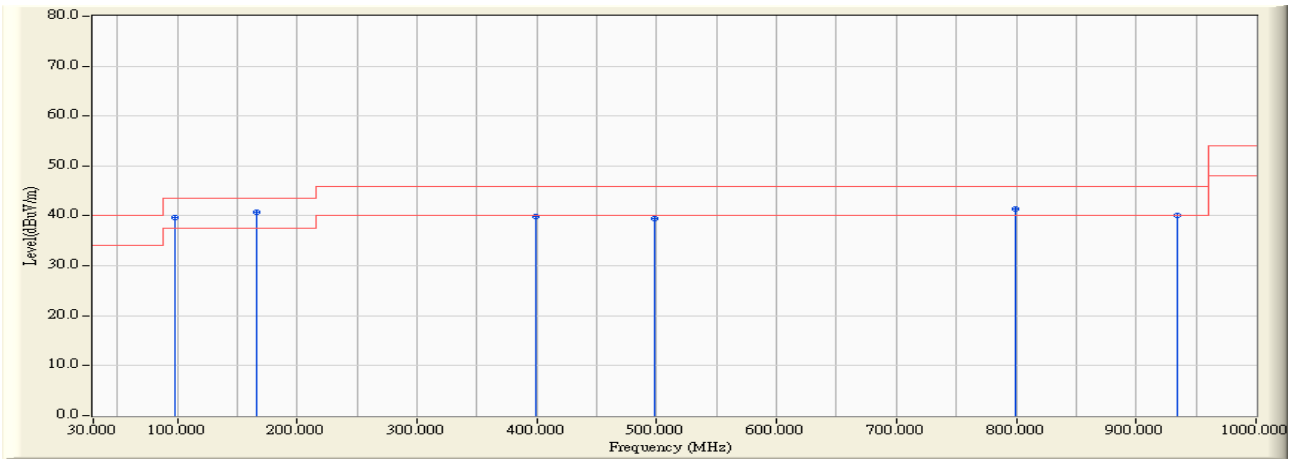


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		249.659	-8.837	51.390	42.553	-3.447	46.000	QUASIPEAK	0.000	0.000
2	*	399.339	1.183	42.352	43.534	-2.466	46.000	QUASIPEAK	0.000	0.000
3		498.477	-1.880	41.625	39.745	-6.255	46.000	QUASIPEAK	0.000	0.000
4		601.503	2.840	36.191	39.031	-6.969	46.000	QUASIPEAK	0.000	0.000
5		846.433	3.920	37.761	41.680	-4.320	46.000	QUASIPEAK	0.000	0.000
6		885.311	4.845	36.109	40.955	-5.045	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 14:00**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-G-CH6**

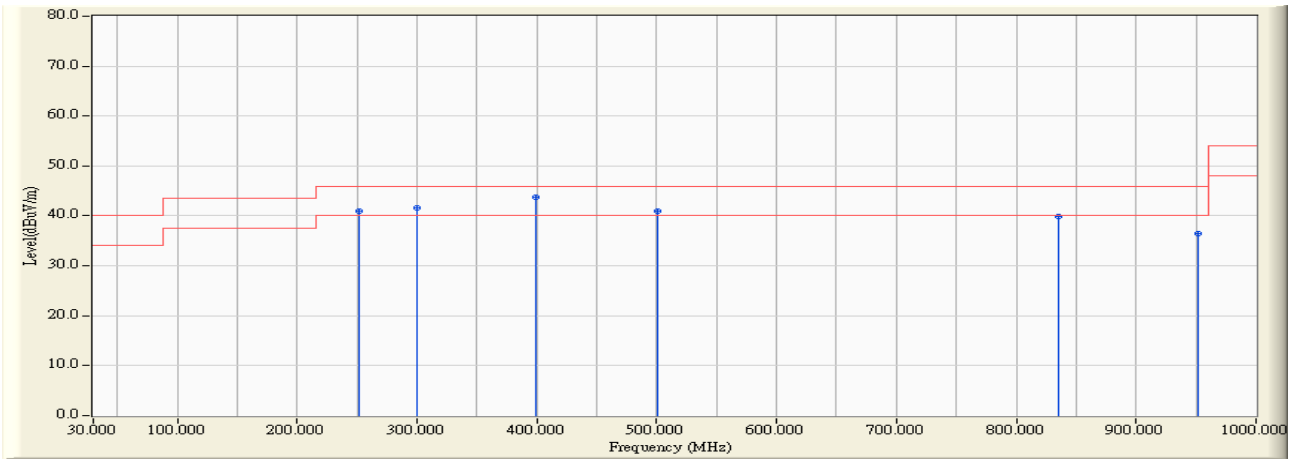


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		98.036	-1.216	40.999	39.783	-3.717	43.500	QUASIPEAK	0.000	0.000
2	*	166.072	-5.722	46.490	40.768	-2.732	43.500	QUASIPEAK	0.000	0.000
3		399.339	-0.497	40.409	39.912	-6.088	46.000	QUASIPEAK	0.000	0.000
4		498.477	-3.242	42.770	39.528	-6.472	46.000	QUASIPEAK	0.000	0.000
5		799.780	4.878	36.437	41.315	-4.685	46.000	QUASIPEAK	0.000	0.000
6		933.908	7.255	32.776	40.031	-5.969	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 14:02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - HORIZONTAL**
Power : AC 120V/60Hz	**Note : TX-G-CH11**

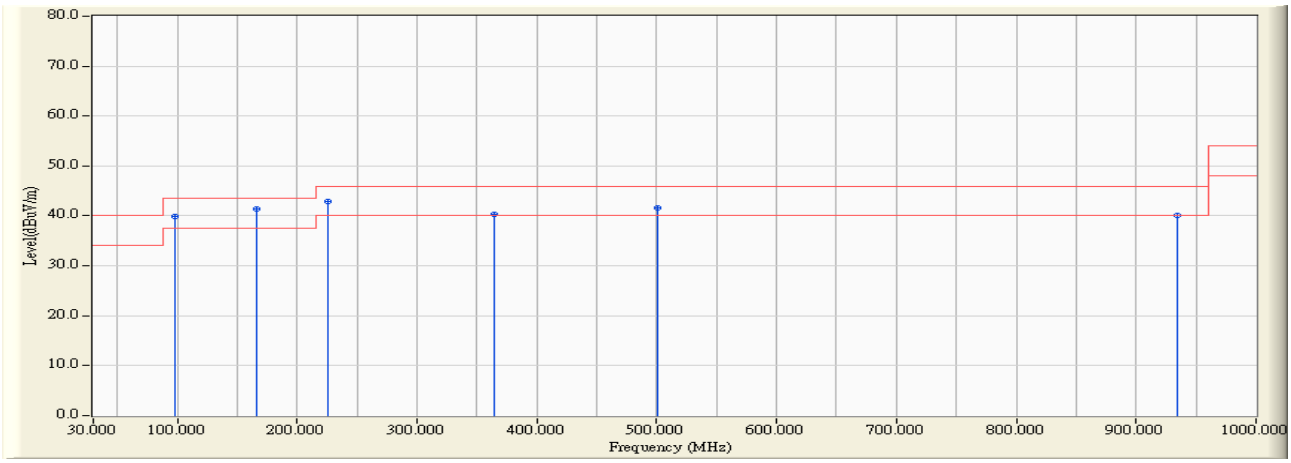


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		251.603	-8.395	49.289	40.894	-5.106	46.000	QUASIPEAK	0.000	0.000
2		300.200	-3.964	45.508	41.544	-4.456	46.000	QUASIPEAK	0.000	0.000
3	*	399.339	1.183	42.482	43.664	-2.336	46.000	QUASIPEAK	0.000	0.000
4		500.421	-1.944	43.014	41.070	-4.930	46.000	QUASIPEAK	0.000	0.000
5		834.770	4.225	35.752	39.977	-6.023	46.000	QUASIPEAK	0.000	0.000
6		951.403	3.489	32.868	36.357	-9.643	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : QuieTek SH-Site1	**Time : 2006/08/07 - 14:04**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
EUT : WiFi EMTA Cable Modem	**Probe : RF_30-1G(06.5.12)0.8M - VERTICAL**
Power : AC 120V/60Hz	**Note : TX-G-CH11**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		98.036	-1.216	41.125	39.909	-3.591	43.500	QUASIPEAK	0.000	0.000
2	*	166.072	-5.722	47.070	41.348	-2.152	43.500	QUASIPEAK	0.000	0.000
3		226.333	-7.220	50.114	42.894	-3.106	46.000	QUASIPEAK	0.000	0.000
4		364.349	-1.774	42.160	40.386	-5.614	46.000	QUASIPEAK	0.000	0.000
5		500.421	-3.058	44.639	41.581	-4.419	46.000	QUASIPEAK	0.000	0.000
6		933.908	7.255	32.843	40.098	-5.902	46.000	QUASIPEAK	0.000	0.000

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

5. Band Edge

5.1. Test Equipment

The following test equipment are used during the test:

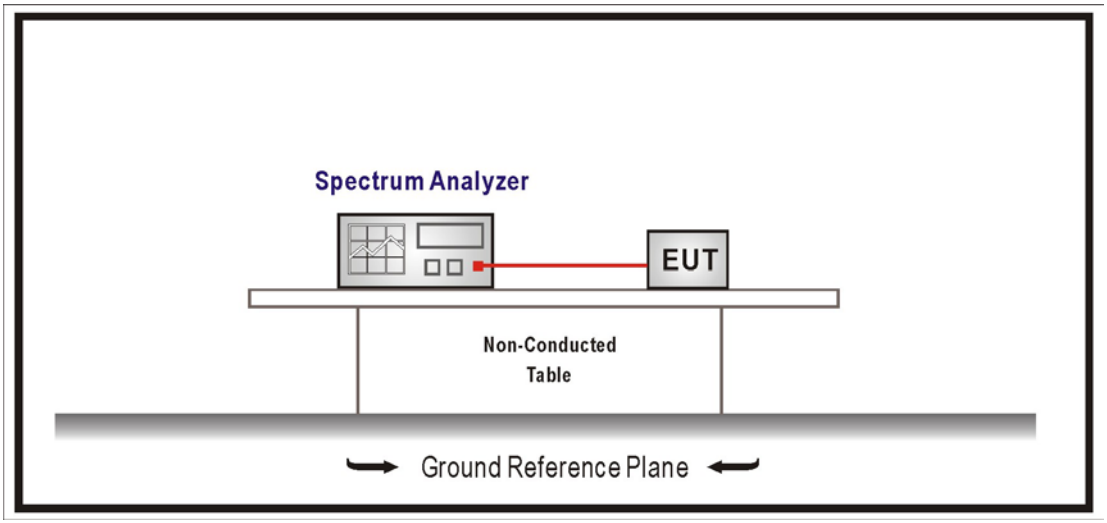
RF Conducted Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer		R & S	FSP / 100561	Mar., 2006
2	No.1 OATS				Sep., 2005
RF Radiated Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2006
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2006
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2005
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061	Sep., 2005
5		Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2005
6	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Sep., 2005
7	No.1 OATS				Sep., 2005

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

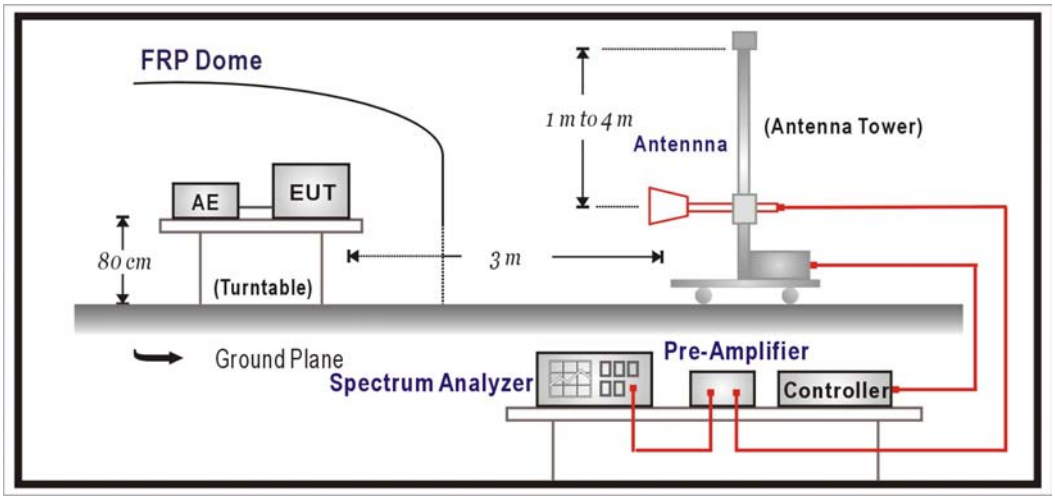
2. Mark “X” test instruments are used to measure the final test results.

5.2. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2005

5.6. Test Result

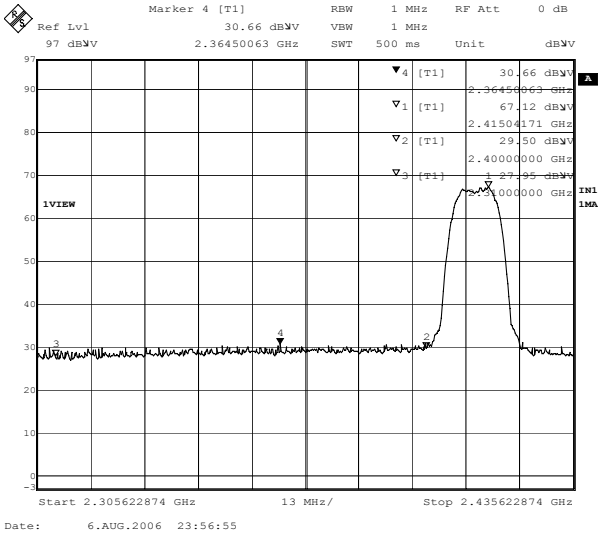
Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/06	Test Site	No.1 OATS

RF Radiated Measurement: (Peak Detector)

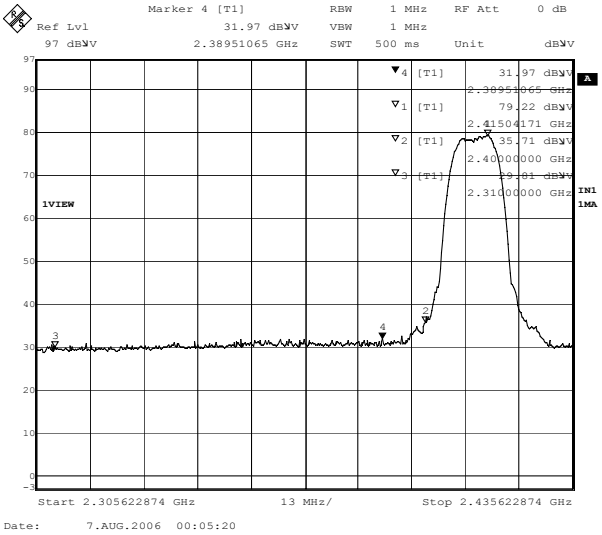
IEEE 802.11b

Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
1(Horizontal)	2364.500	30.660	24.393	3.910	0.00	58.963	74	Pass
1(Vertical)	2389.510	31.970	22.874	3.920	0.00	58.764	74	Pass

Horizontal



Vertical



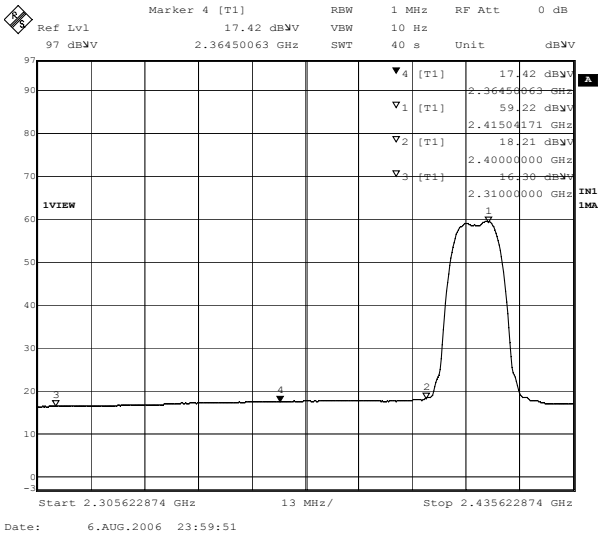
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/07	Test Site	No.1 OATS

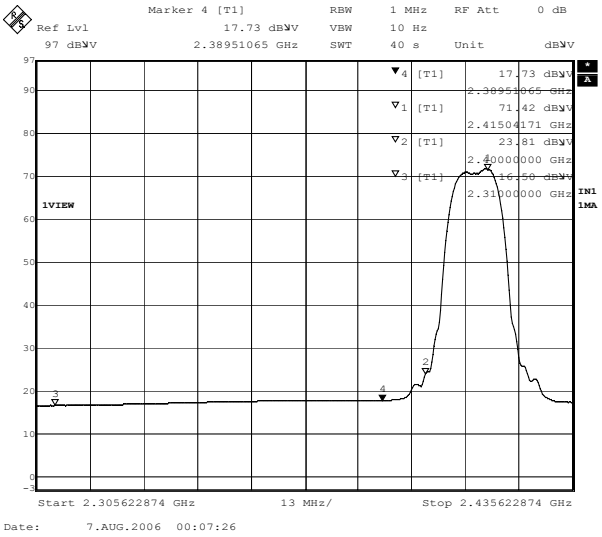
RF Radiated Measurement: (Average Detector)

IEEE 802.11b								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
1(Horizontal)	2364.500	17.420	24.393	3.910	0.00	45.723	54	Pass
1(Vertical)	2389.510	17.730	22.874	3.920	0.00	44.524	54	Pass

Horizontal



Vertical



Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

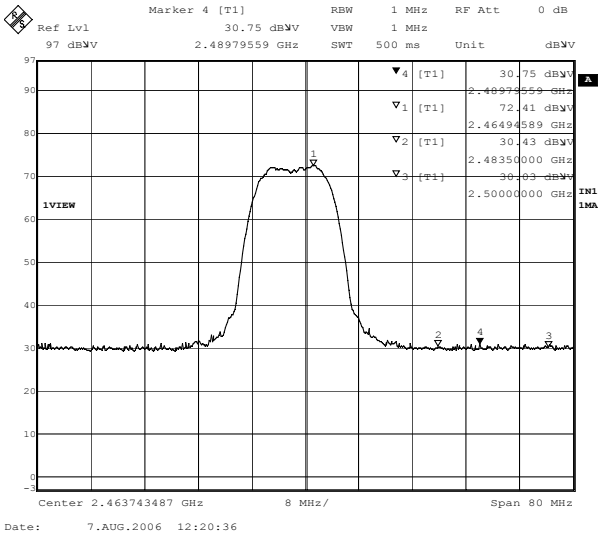
Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/07	Test Site	No.1 OATS

RF Radiated Measurement: (Peak Detector)

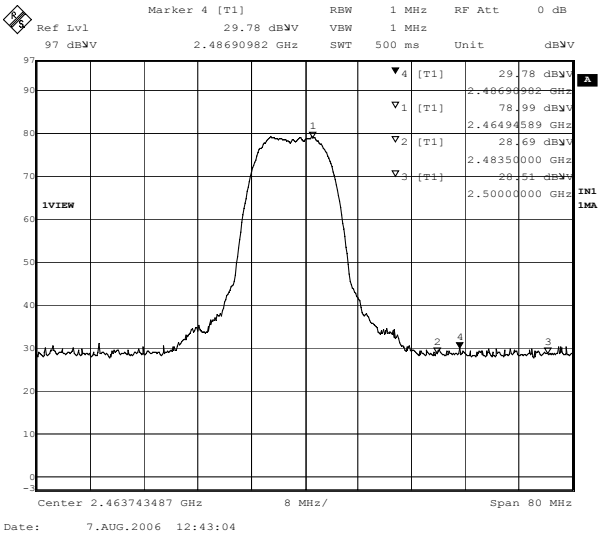
IEEE 802.11b

Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
11(Horizontal)	2489.790	30.750	24.735	3.998	0.00	59.483	74	Pass
11(Vertical)	2486.900	29.780	23.129	3.994	0.00	56.903	74	Pass

Horizontal



Vertical



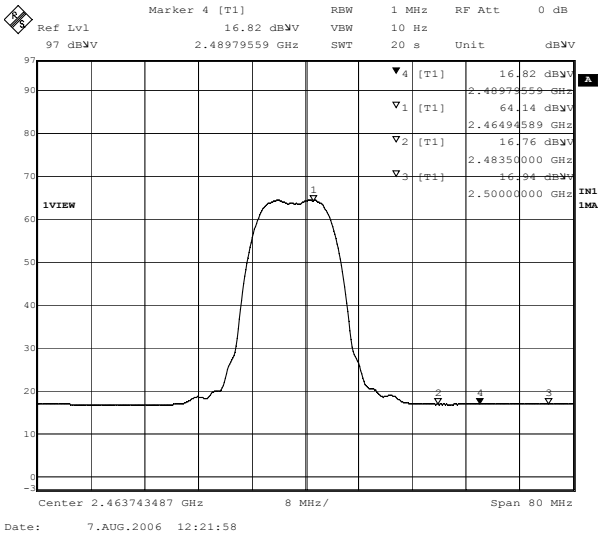
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/07	Test Site	No.1 OATS

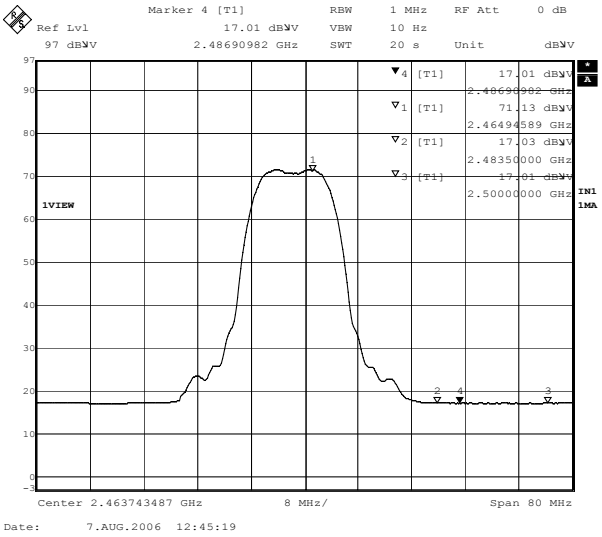
RF Radiated Measurement: (Average Detector)

IEEE 802.11b								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
11(Horizontal)	2489.790	16.820	24.735	3.998	0.00	45.553	54	Pass
11(Vertical)	2486.900	17.010	23.129	3.994	0.00	44.133	54	Pass

Horizontal



Vertical



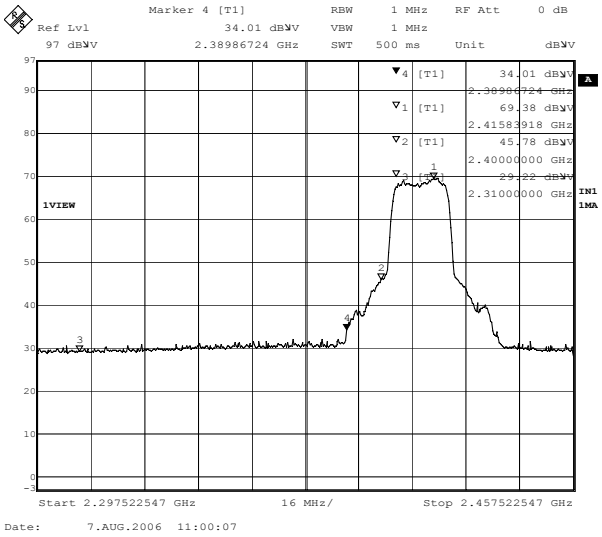
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/07	Test Site	No.1 OATS

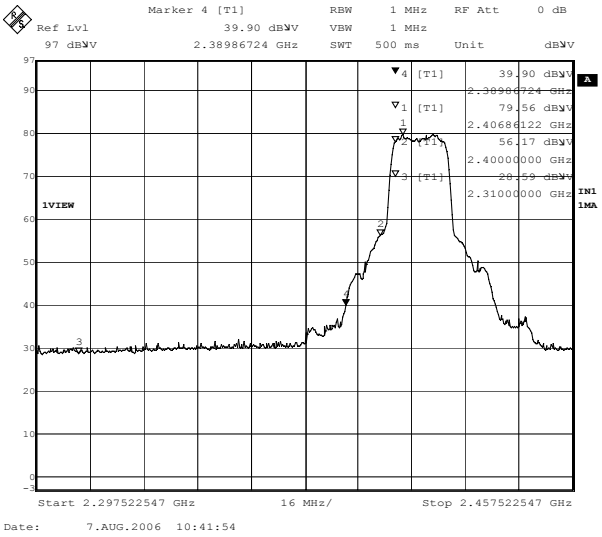
RF Radiated Measurement: (Peak Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
1(Horizontal)	2389.860	34.010	24.475	3.920	0.00	62.405	74	Pass
1(Vertical)	2389.860	39.900	22.875	3.920	0.00	66.695	74	Pass

Horizontal



Vertical



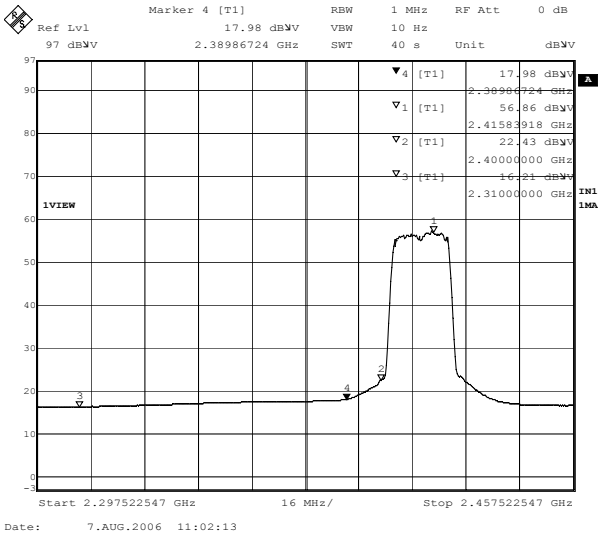
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	22006/08/07	Test Site	No.1 OATS

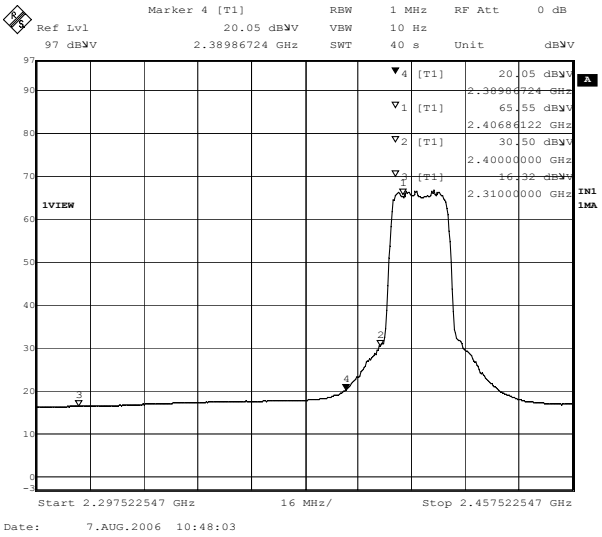
RF Radiated Measurement: (Average Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
1(Horizontal)	2389.860	17.980	24.475	3.920	0.00	46.375	54	Pass
1(Vertical)	2389.860	20.050	22.875	3.920	0.00	46.845	54	Pass

Horizontal



Vertical



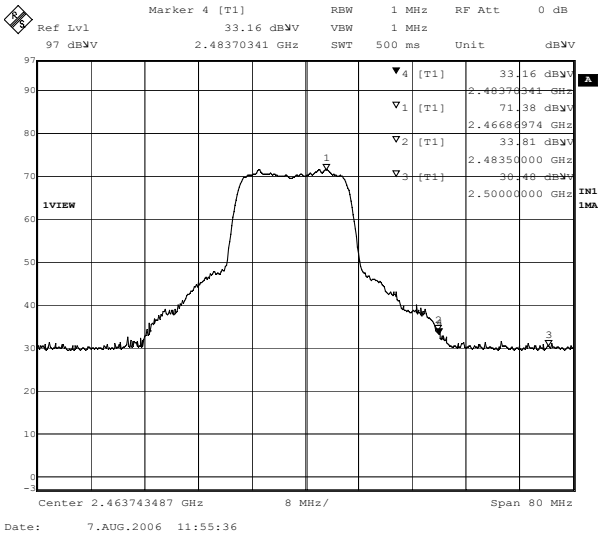
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/07	Test Site	No.1 OATS

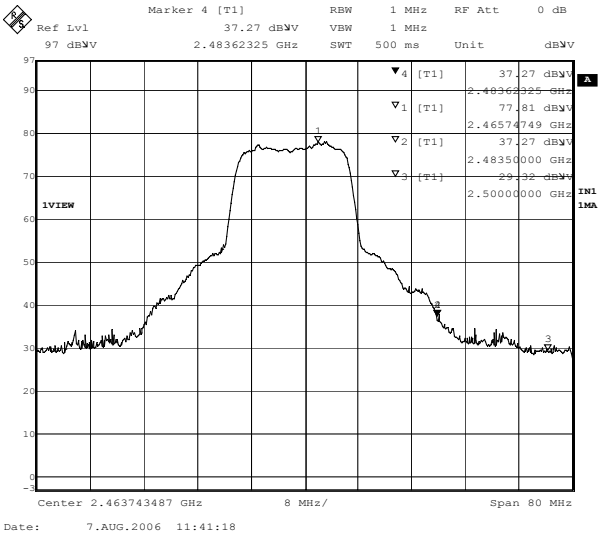
RF Radiated Measurement: (Peak Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
11(Horizontal)	2483.700	33.160	24.721	3.991	0.00	61.872	74	Pass
11(Vertical)	2483.620	37.270	23.121	3.991	0.00	64.382	74	Pass

Horizontal



Vertical



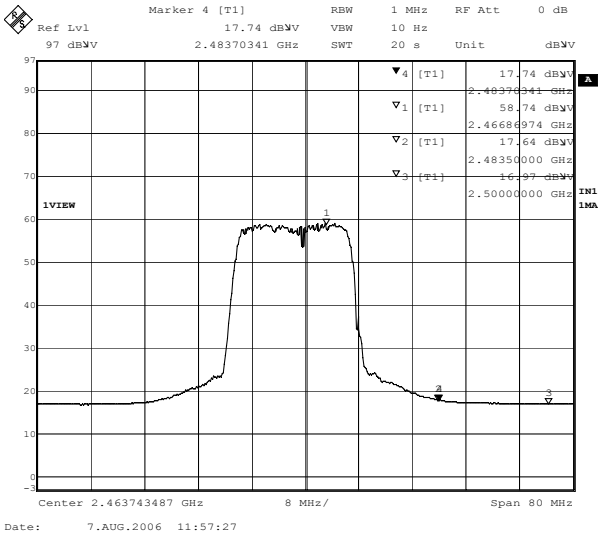
Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product	WiFi EMTA Cable Modem		
Test Item	Band Edge		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/07	Test Site	No.1 OATS

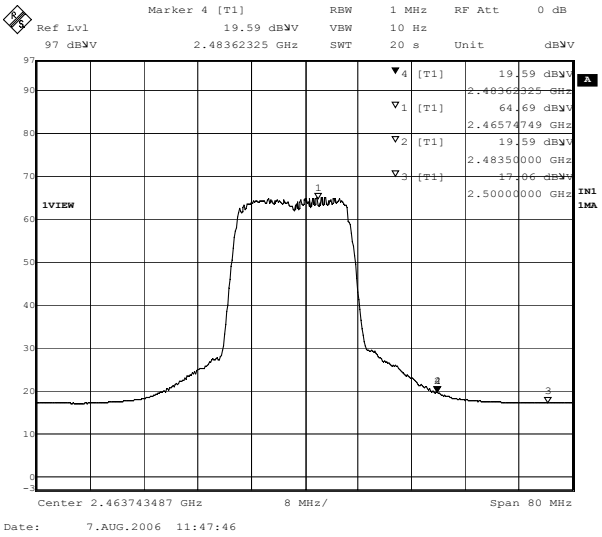
RF Radiated Measurement: (Average Detector)

IEEE 802.11g								
Channel No.	Frequency (MHz)	Reading Level (dBuV)	Probe Factor (dB/m)	Cable Loss (dB)	PreAMP (dB)	Emission Level (dBuV/m)	Limit (dBuV/m)	Result
11(Horizontal)	2483.700	17.740	24.721	3.991	0.00	46.652	54	Pass
11(Vertical)	2483.620	19.590	23.121	3.991	0.00	46.702	54	Pass

Horizontal



Vertical



Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

6. Occupied Bandwidth

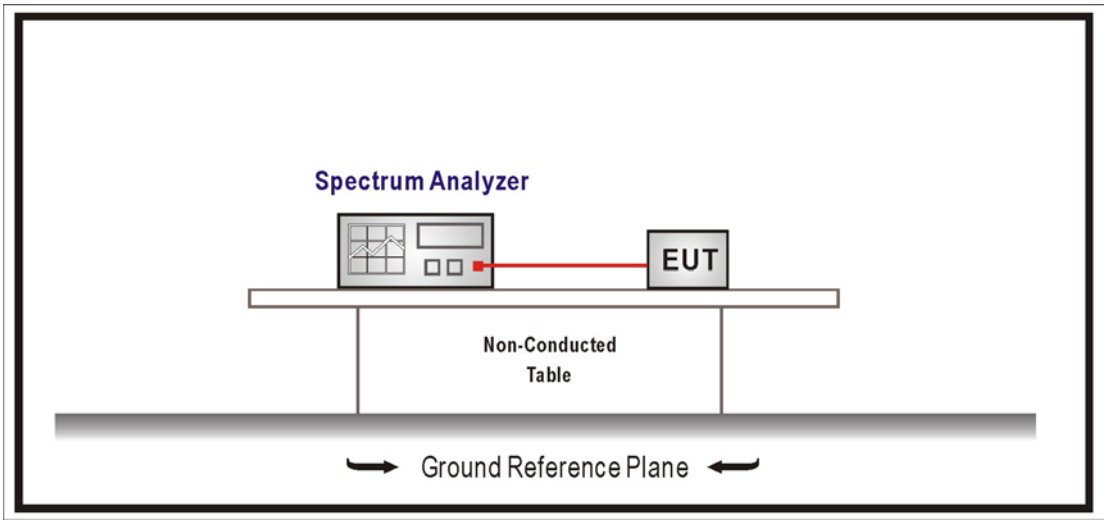
6.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2006
2	No.1 OATS			Sep., 2005

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup



6.3. Limits

The minimum 6dB bandwidth shall be at least 500kHz.

6.4. Test Specification

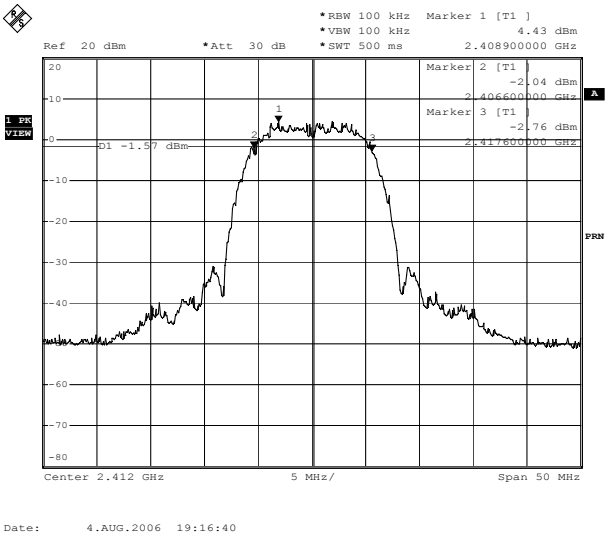
According to FCC Part 15 Subpart C Paragraph 15.247: 2005

6.5. Test Result

Product	WiFi EMTA Cable Modem		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/04	Test Site	No.1 OATS

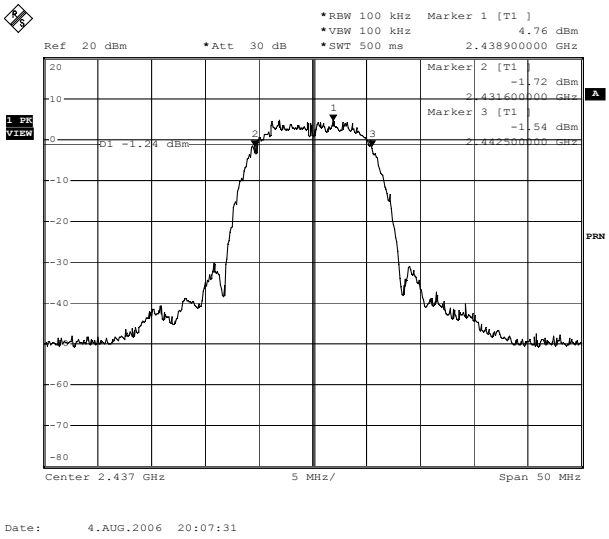
IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	11000	>500	Pass
6	2437	10900	> 500	Pass
11	2462	11300	> 500	Pass

Channel 1



Date: 4.AUG.2006 19:16:40

Channel 6



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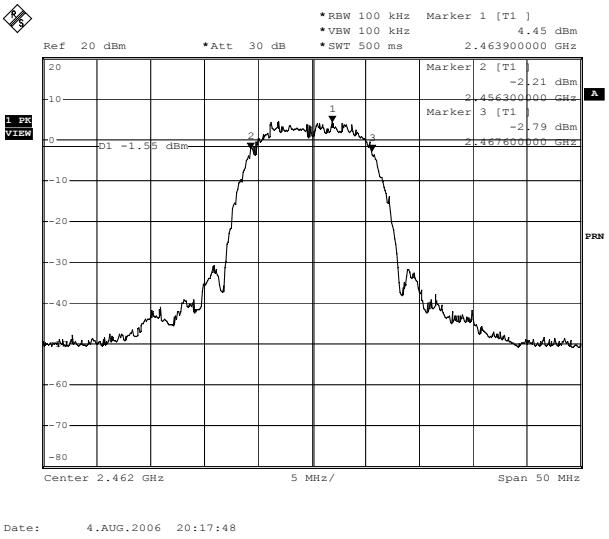
Channel 11

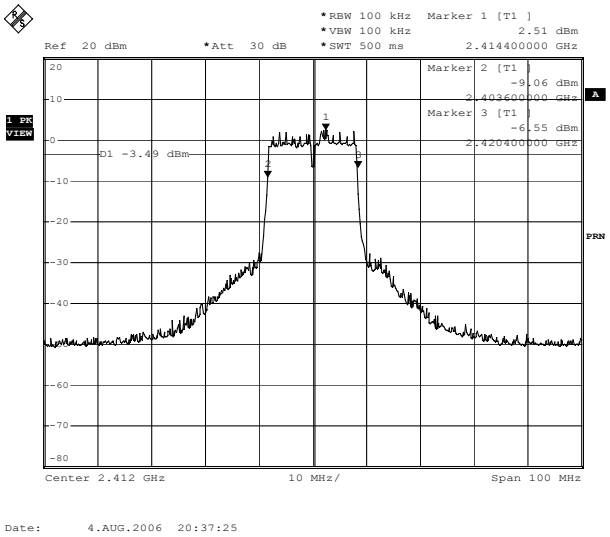


Date: 4.AUG.2006 20:17:48

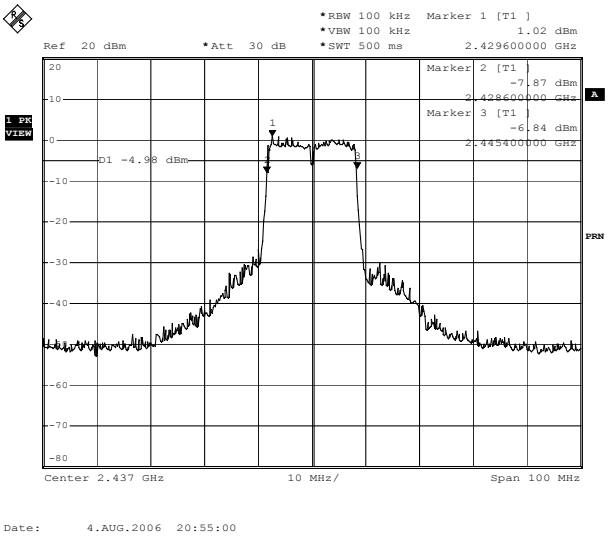
Product	WiFi EMTA Cable Modem		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/04	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Value (kHz)	Limit (kHz)	Result
1	2412	16800	> 500	Pass
6	2437	16800	> 500	Pass
11	2462	16800	> 500	Pass

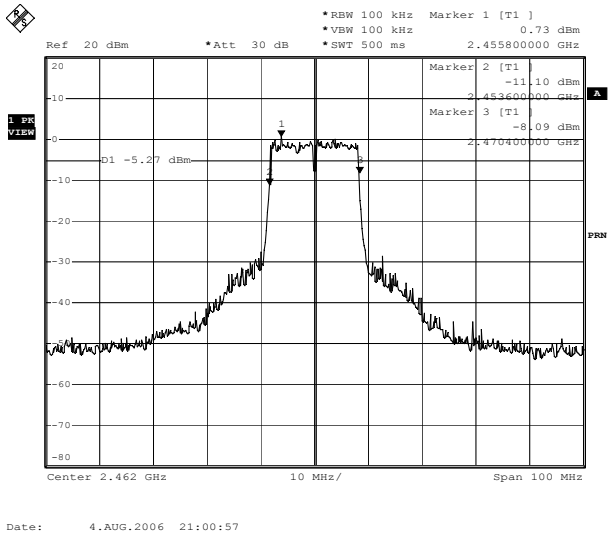
Channel 1



Channel 6



Channel 11



7. Power Density

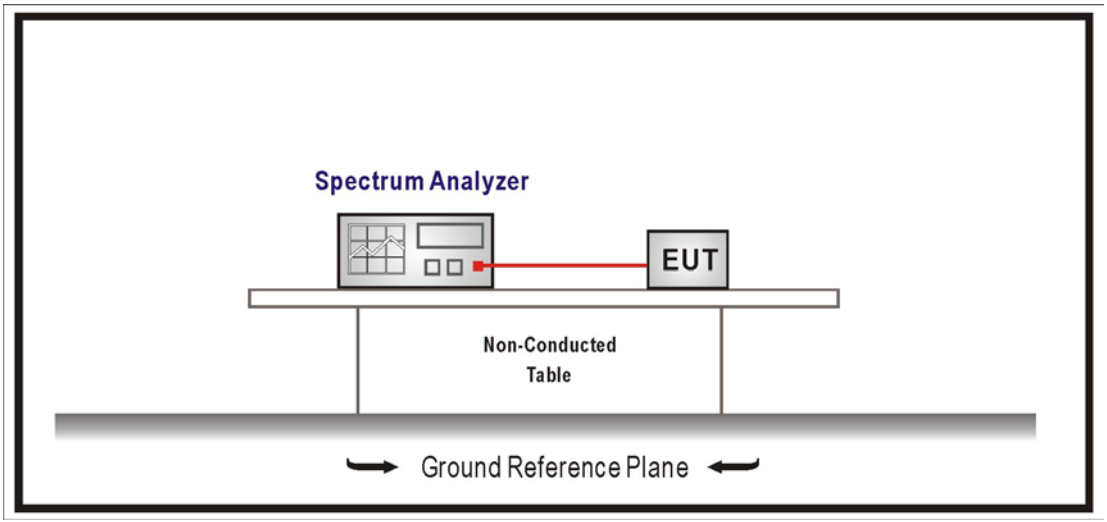
7.1. Test Equipment

The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Mar., 2006
2	No.1 OATS			Sep., 2005

Note: 1. All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup



7.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

7.4. Test Specification

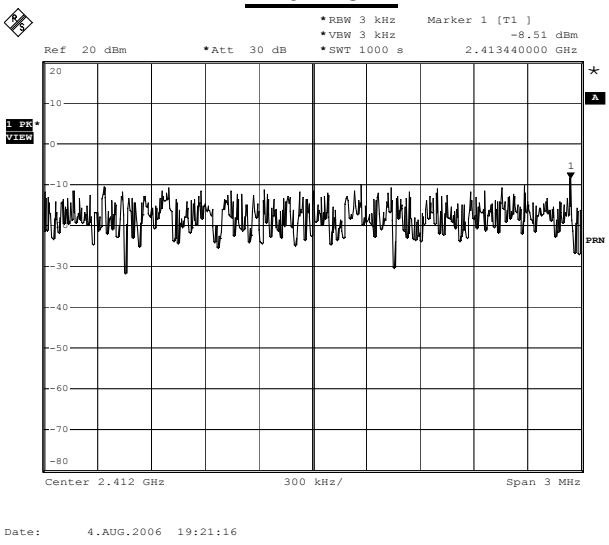
According to FCC Part 15 Subpart C Paragraph 15.247: 2005

7.5. Test Result

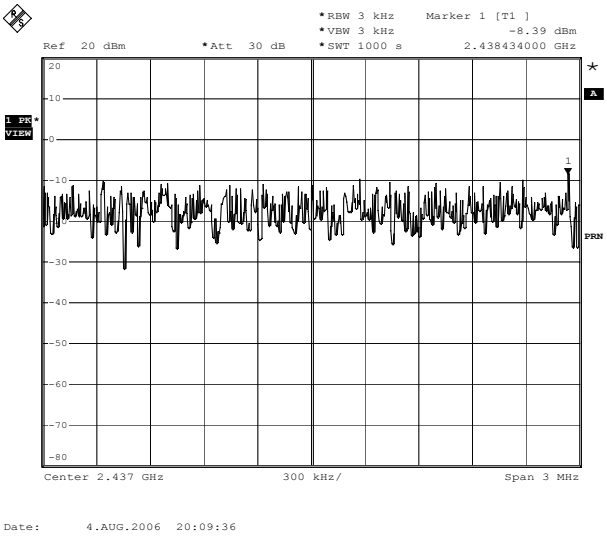
Product	WiFi EMTA Cable Modem		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	2006/08/04	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-8.51	<8	Pass
6	2437	-8.39	<8	Pass
11	2462	-8.47	<8	Pass

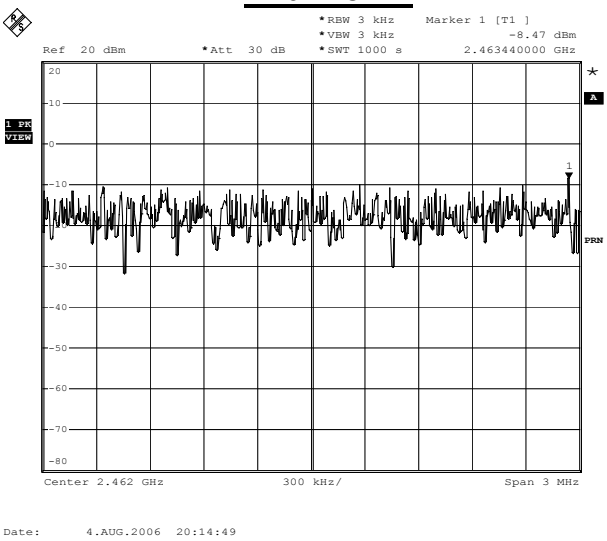
Channel 1



Channel 6



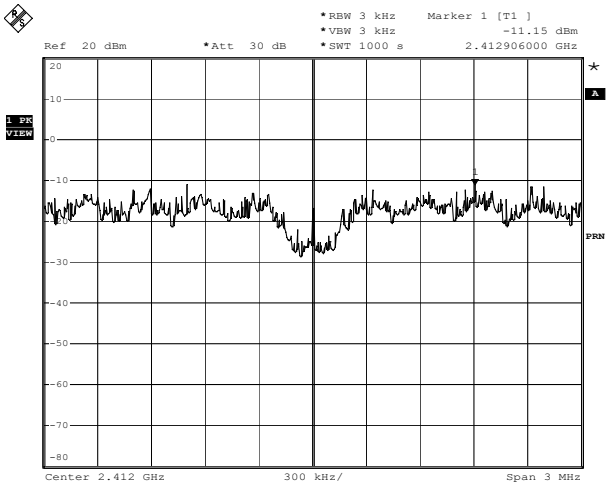
Channel 11



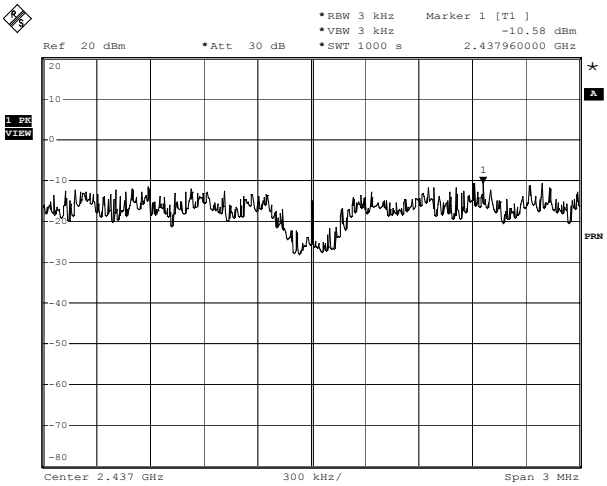
Product	WiFi EMTA Cable Modem		
Test Item	Power Density		
Test Mode	Mode 1: Transmit		
Date of Test	200608/04	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-11.15	<8	Pass
6	2437	-10.58	<8	Pass
11	2462	-10.95	<8	Pass

Channel 1



Channel 6



Channel 11