



Test Report

Product Name : Digi Wi-Point 3G

Model No. : Digi Wi-Point 3G

FCC ID : SUMMB8600D

Applicant : Top Global USA. Inc

Address : 4605 Barranca Parkway Suit 101G, Irvine City,
California, 92604 USA

Date of Receipt : 2008/01/24

Issued Date : 2008/02/18

Report No. : 081S007-RF-US-P05V01

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

This report must not be used to claim product endorsement by CNLA, NVLAP or any agency of the Government.
The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Test Report Certification

Issued Date : 2008/01/24

Report No. : 081S007-RF-US-P05V01



Product Name : Digi Wi-Point 3G

Applicant : Top Global USA. Inc

Address : 8/F Reward Building, No.203 Wangjing Lizezhongyuan,
Chaoyang District, Beijing, China

Manufacturer : Top Global USA. Inc

Address : 8/F Reward Building, No.203 Wangjing Lizezhongyuan,
Chaoyang District, Beijing, China

Model No. : Digi Wi-Point 3G

FCC ID : SUMMB8600D

Rated Voltage : AC 120 V / 60 Hz

EUT Voltage : DC 5.0V

Trade Name : Digi

Applicable Standard : FCC CFR Title 47 Part 15 Subpart C: 2007
ANSI C63.4: 2003

Test Result : Complied

Performed Location : SuZhou EMC laboratory
No.99 Hongye Rd., Suzhou Industrial Park Loufeng
Hi-Tech Development Zone., SuZhou, China
TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098
FCC Registration Number: 800392

Documented By :

(Any Liu)

Reviewed By :

(Dream Cao)

Approved By :

(Murphy Wang)

Laboratory Information

We , **Quietek Corporation**, are an independent EMC and safety consultancy that was established the whole facility in our laboratories. The test facility has been accredited by the following accreditation Bodies in compliance with ISO 17025, EN 45001 and Guide 25:

Taiwan R.O.C.	: BSMI, DGT, CNLA
Germany	: TUV Rheinland
Norway	: Nemko, DNV
USA	: FCC, NVLAP
Japan	: VCCI

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://tw.quietek.com/modules/myalbum/>
The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>
If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

HsinChu Testing Laboratory :

No.75-2, 3rd Lin, Wangye Keng, Yonghxing Tsuen, Qionglin Shiang, Hsinchu County 307, Taiwan, R.O.C.
TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com



LinKou Testing Laboratory :

No. 5, Ruei-Shu Valley, Ruei-Ping Tsuen, Lin-Kou Shiang, Taipei, Taiwan, R.O.C.
TEL : +886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com



Suzhou Testing Laboratory :

No.99 Hongye Rd., Suzhou Industrial Park Loufeng Hi-Tech Development Zone., SuZhou, China
TEL : +86-512-6251-5088 / FAX : 86-512-6251-5098 E-Mail : service@quietek.com



TABLE OF CONTENTS

Description	Page
1. General Information	6
1.1. EUT Description	6
1.2. Mode of Operation	8
1.3. Tested System Details	9
1.4. Configuration of Tested System	10
1.5. EUT Exercise Software	11
2. Technical Test	12
2.1. Summary of Test Result	12
2.2. Test Environment	13
3. Conducted Emission	14
3.1. Test Equipment	14
3.2. Test Setup	14
3.3. Limit.....	15
3.4. Test Procedure	15
3.5. Uncertainty	15
3.6. Test Result	16
3.7. Test Photograph	28
4. Radiated Emission.....	30
4.1. Test Equipment	30
4.2. Test Setup	31
4.3. Limit.....	32
4.4. Test Procedure	32
4.5. Uncertainty	32
4.6. Test Result	33
4.7. Test Photograph	69
5. RF Antenna Conducted Spurious.....	73
5.1. Test Equipment	73
5.2. Test Setup	73
5.3. Limit.....	73
5.4. Test Procedure	74
5.5. Uncertainty	74
5.6. Test Result	75
6. Radiated Emission Band Edge	79
6.1. Test Equipment	79
6.2. Test Setup	80
6.3. Limit.....	80
6.4. Test Procedure	80

6.5.	Uncertainty	80
6.6.	Test Result	81
7.	Occupied Bandwidth	97
7.1.	Test Equipment	97
7.2.	Test Setup	97
7.3.	Limit.....	97
7.4.	Test Procedure	97
7.5.	Uncertainty	98
7.6.	Test Result	99
8.	Power Output.....	103
8.1.	Test Equipment	103
8.2.	Test Setup	103
8.3.	Limit.....	103
8.4.	Test Procedure	103
8.5.	Uncertainty	104
8.6.	Test Result	105
9.	Power Spectral Density.....	109
9.1.	Test Equipment	109
9.2.	Test Setup	109
9.3.	Limit.....	109
9.4.	Test Procedure	109
9.5.	Uncertainty	110
9.6.	Test Result	111
10.	Attachment	115
	EUT Photograph.....	115

1. General Information

1.1. EUT Description

Product Name	Digi Wi-Point 3G
Trade Name	Digi
Model No.	Digi Wi-Point 3G
FCC ID	SUMMB8600D
Working Voltage	DC 5.0V
Frequency Range	2412-2462 MHz
Channel Number	11
Type of Modulation	802.11b: DSSS
	802.11g: OFDM
Data Rate	802.11b: 1/2/5.5/11 Mbps
	802.11g: 6/9/12/18/24/36/48/54 Mbps
Channel Control	Auto
Antenna type	Dipole
Antenna Gain	2.0dBi

Component	
Power Supply	Manufacturer: RH M/N: RHF-050300-1C Input: AC 100-240V~, 50/60Hz, 0.36A Output: DC 5V, 3A

802.11b/g Antenna List

No.	Manufacturer	Model No.	Peak Gain
1	ZANT	ZWEX-17	2.0dBi of 2.4G

802.11b/g Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz	04	2427 MHz
05	2432 MHz	06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	10	2457 MHz	11	2462 MHz	--	--

1.2. Mode of Operation

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:

Test Mode
Mode 1: Transmit by 802.11b
Mode 2: Transmit by 802.11g

Note:

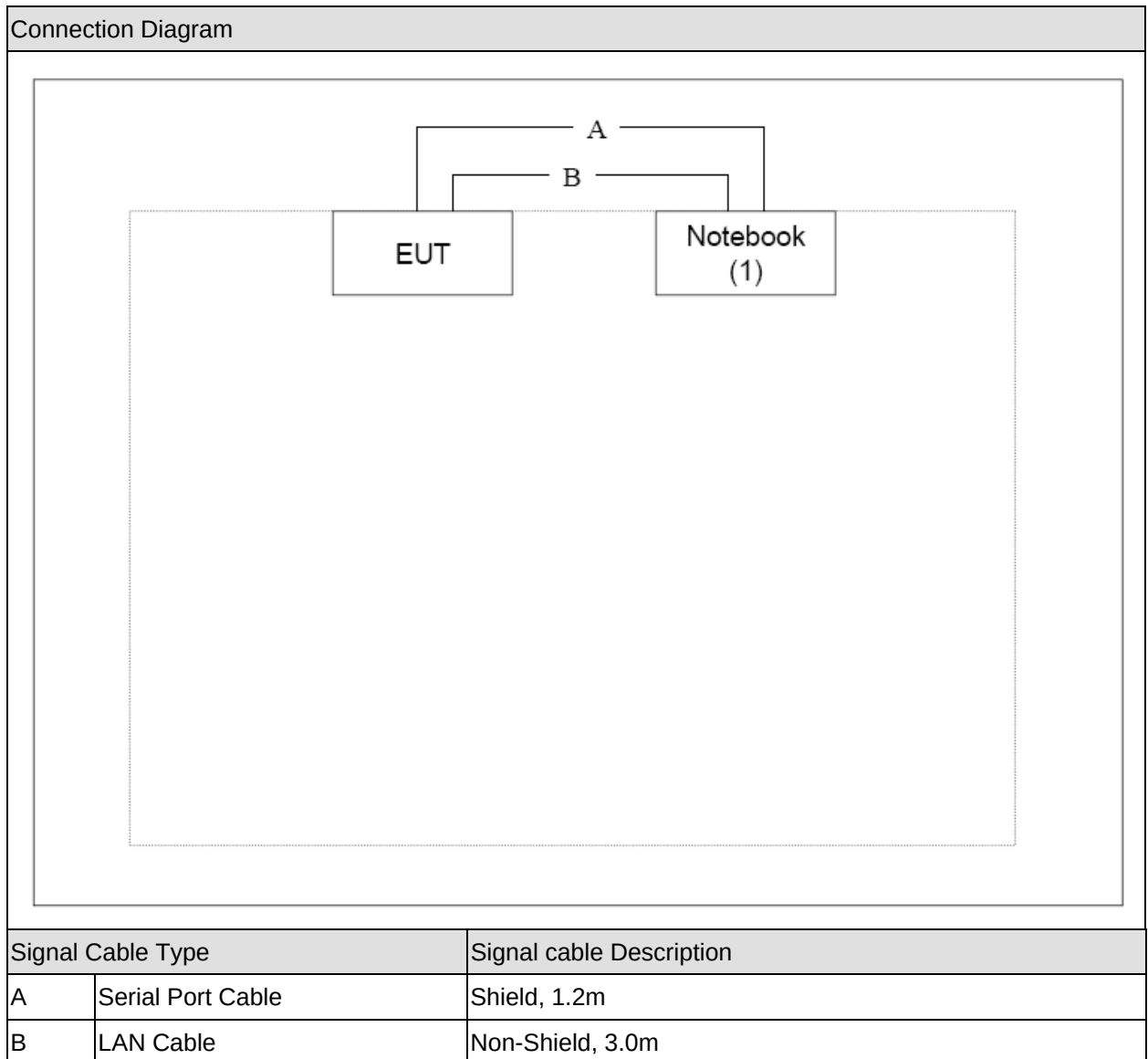
1. Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.
2. This device is a composite device in accordance with Part 15 Subpart B regulations. The function for the receiver was measured and made a test report that the report number is 081S007-IT-US-P01V02, certified under Declaration of Conformity.

1.3. 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.	Power Cord
1	Notebook	DELL	PP19L	JH097 A01	Power by adaptor

1.4. Configuration of Tested System



1.5. EUT Exercise Software

1	Setup the EUT and simulators as shown on above
2	Turn on the power of equipment.
3	Keying commands to set the EUT work at continues transmission modes through software of hyper-terminal.

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
- ☐ Deviations from the test standards as below description:

Performed Test Item	Normative References	Test Performed	Deviation
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.207	Yes	No
Radiated Emission	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.209	Yes	No
RF Antenna Conducted Spurious	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(d)	Yes	No
Radiated Emission Band Edge	FCC CFR Title 47 Part 15 Subpart C: 2007 15.247(d)	Yes	No
Occupied Bandwidth	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(a)(2)	Yes	No
Power Output	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(b)(3)	Yes	No
Power Spectral Density	FCC CFR Title 47 Part 15 Subpart C: 2007 Section 15.247(e)	Yes	No

2.2. Test Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	21
Humidity (%RH)	25-75	50
Barometric pressure (mbar)	860-1060	950-1000

3. Conducted Emission

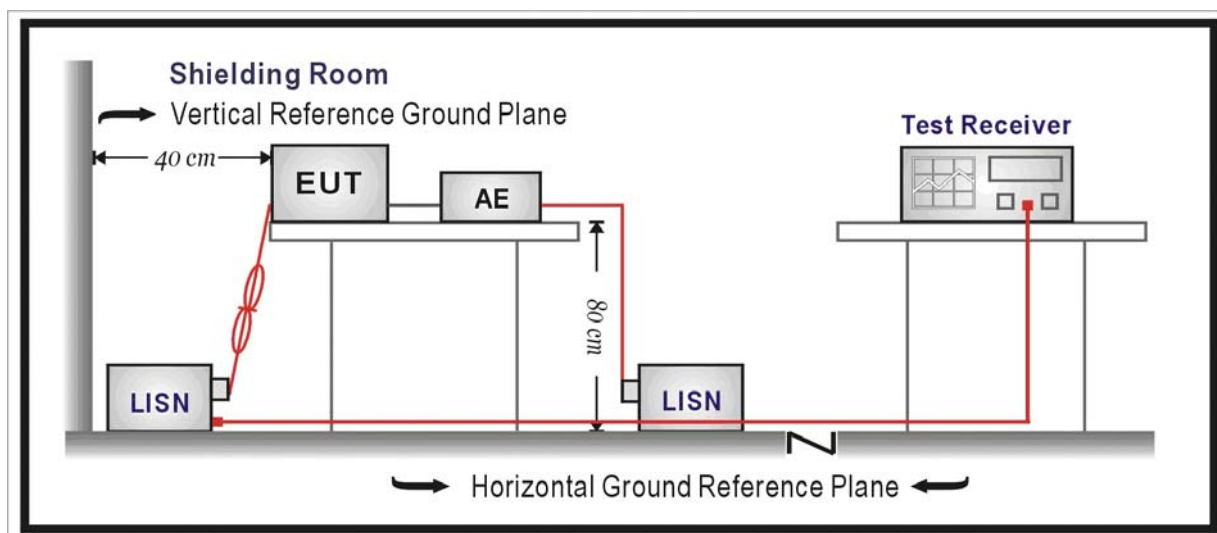
3.1. Test Equipment

Conducted Emission / SR-1

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
EMI Test Receiver	R&S	ESCI	100176	2007/11/15
Two-Line V-Network	R&S	ENV216	100013	2007/11/15
Two-Line V-Network	R&S	ENV216	100014	2007/11/15
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2007/11/25
50ohm Termination	SHX	TF2	07081401	2007/10/19
Coaxial Cable	Luthi	RG214	519358	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH004	2007/03/31

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

3.2. Test Setup



3.3. Limit

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

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

3.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

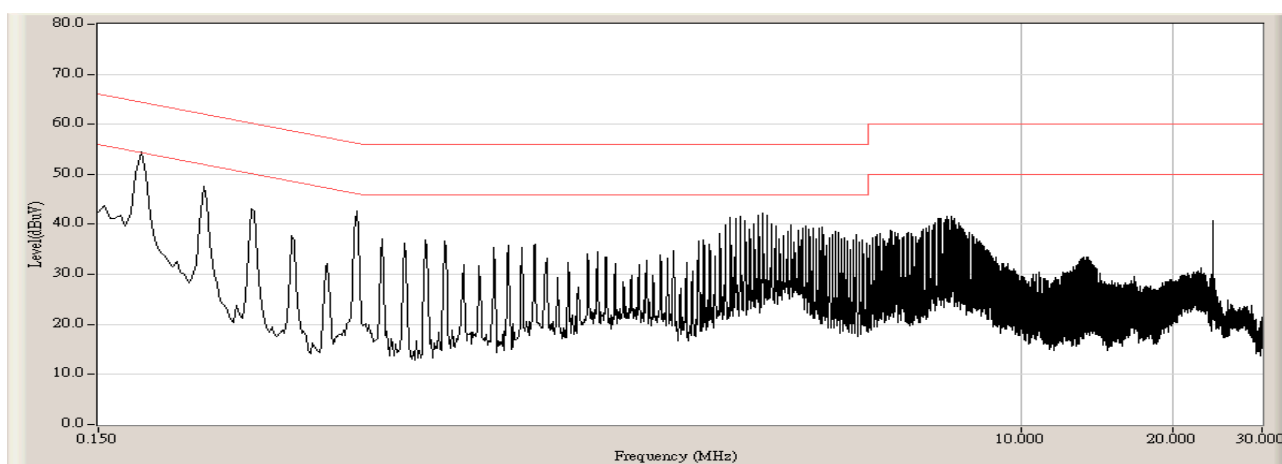
The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Uncertainty

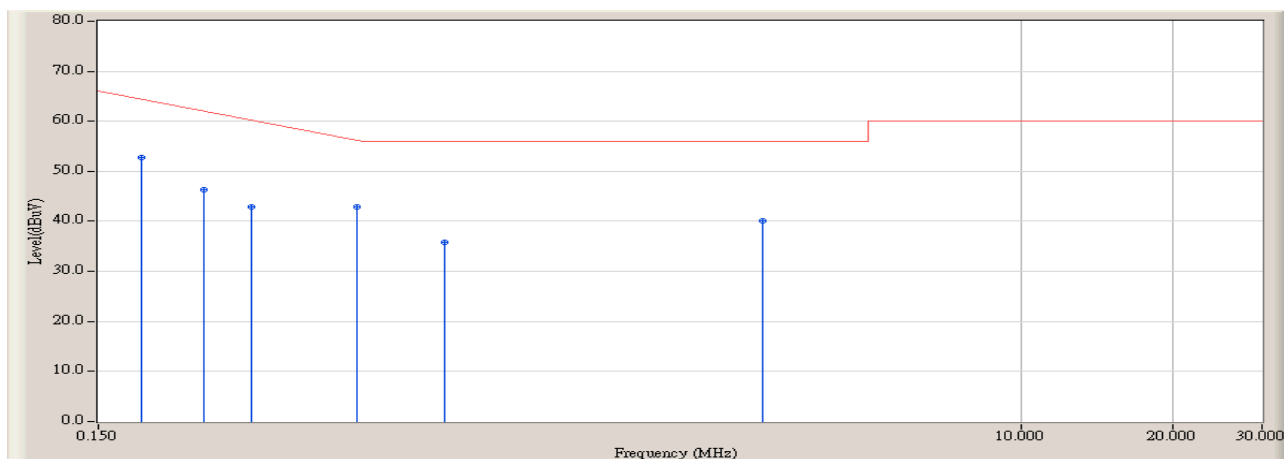
The measurement uncertainty is defined as ± 2.02 dB

3.6. Test Result

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:04
Limit : FCC_Part15.207_QP	Margin : 10
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:09
Limit : FCC_Part15.207_QP	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

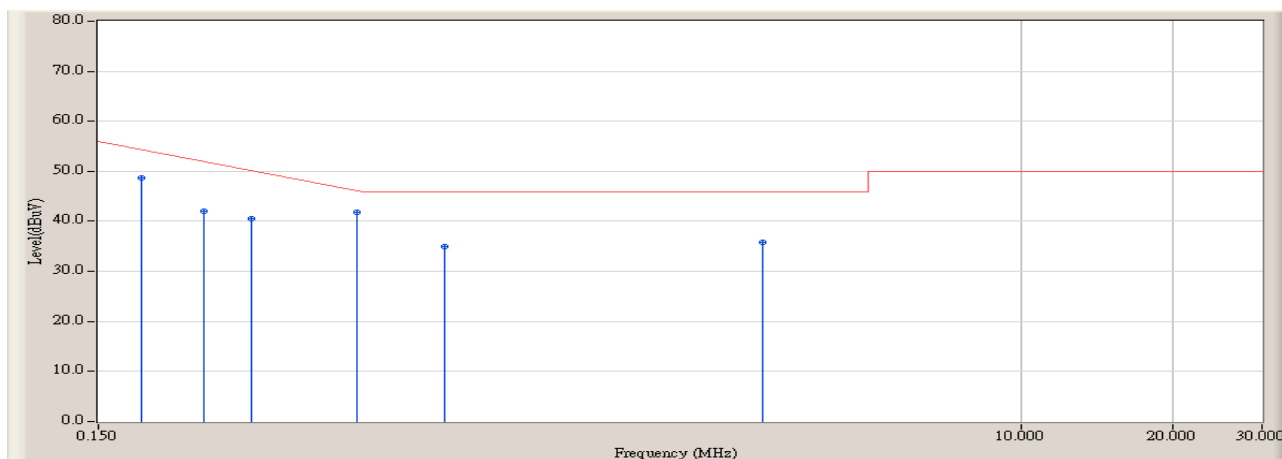


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.182	9.774	42.900	52.674	-12.412	65.086	QUASIPeAK
2		0.242	9.455	36.900	46.355	-17.016	63.371	QUASIPeAK
3		0.302	9.505	33.400	42.905	-18.752	61.657	QUASIPeAK
4		0.486	9.618	33.200	42.818	-13.582	56.400	QUASIPeAK
5		0.726	9.680	26.200	35.880	-20.120	56.000	QUASIPeAK
6		3.094	9.760	30.400	40.160	-15.840	56.000	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:09
Limit : FCC_Part15.207_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

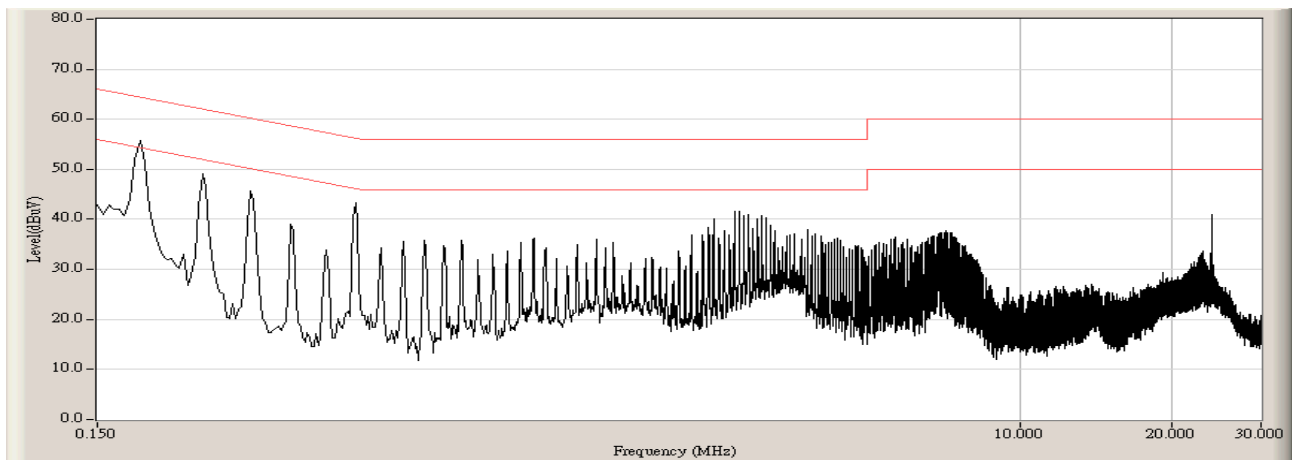


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.182	9.774	39.000	48.774	-6.312	55.086	AVERAGE
2		0.242	9.455	32.600	42.055	-11.316	53.371	AVERAGE
3		0.302	9.505	31.100	40.605	-11.052	51.657	AVERAGE
4	*	0.486	9.618	32.200	41.818	-4.582	46.400	AVERAGE
5		0.726	9.680	25.200	34.880	-11.120	46.000	AVERAGE
6		3.094	9.760	26.000	35.760	-10.240	46.000	AVERAGE

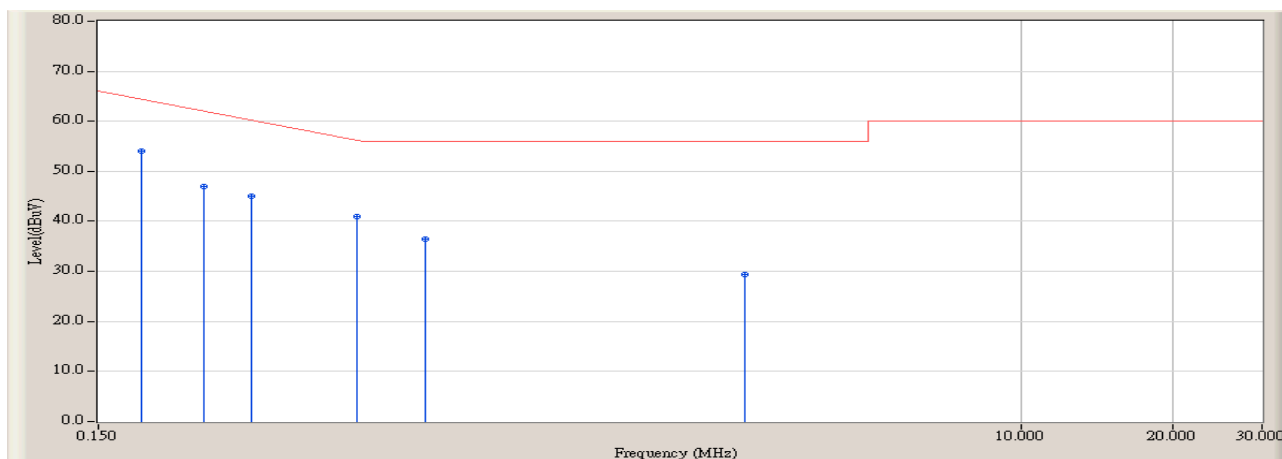
Note:

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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:12
Limit : FCC_Part15.207_QP	Margin : 10
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:16
Limit : FCC_Part15.207_QP	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

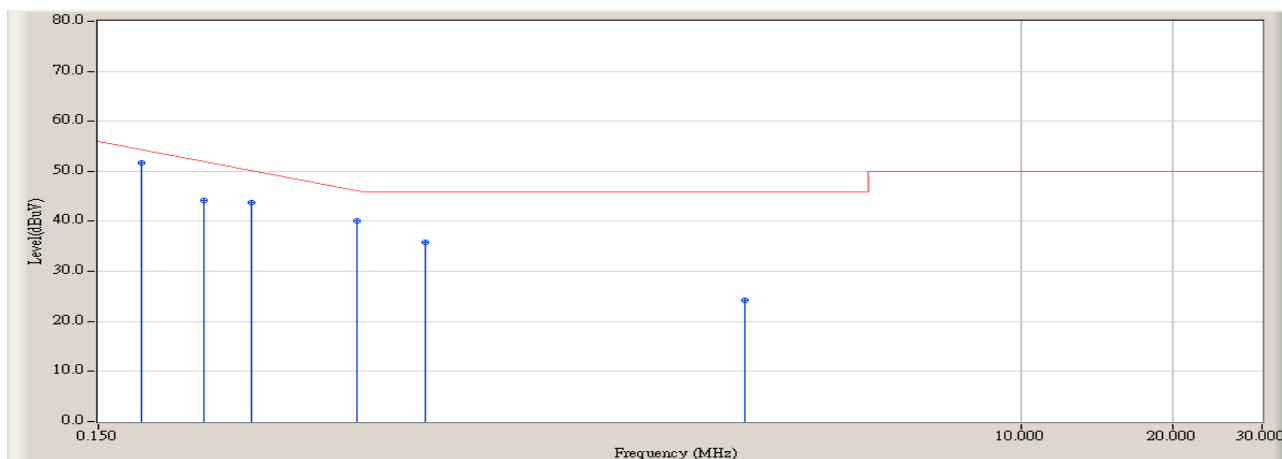


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.182	9.776	44.200	53.976	-11.110	65.086	QUASIPeAK
2		0.242	9.580	37.300	46.880	-16.491	63.371	QUASIPeAK
3		0.302	9.600	35.400	45.000	-16.657	61.657	QUASIPeAK
4		0.486	9.620	31.400	41.020	-15.380	56.400	QUASIPeAK
5		0.666	9.748	26.800	36.548	-19.452	56.000	QUASIPeAK
6		2.850	9.680	19.800	29.480	-26.520	56.000	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:16
Limit : FCC_Part15.207_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

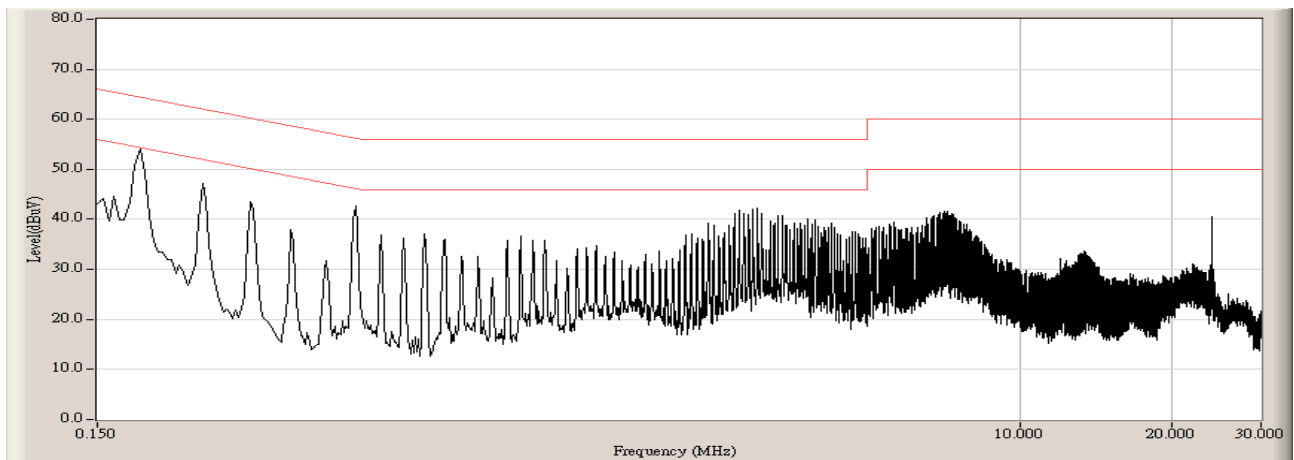


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.182	9.776	41.900	51.676	-3.410	55.086	AVERAGE
2		0.242	9.580	34.600	44.180	-9.191	53.371	AVERAGE
3		0.302	9.600	34.200	43.800	-7.857	51.657	AVERAGE
4		0.486	9.620	30.400	40.020	-6.380	46.400	AVERAGE
5		0.666	9.748	26.000	35.748	-10.252	46.000	AVERAGE
6		2.850	9.680	14.600	24.280	-21.720	46.000	AVERAGE

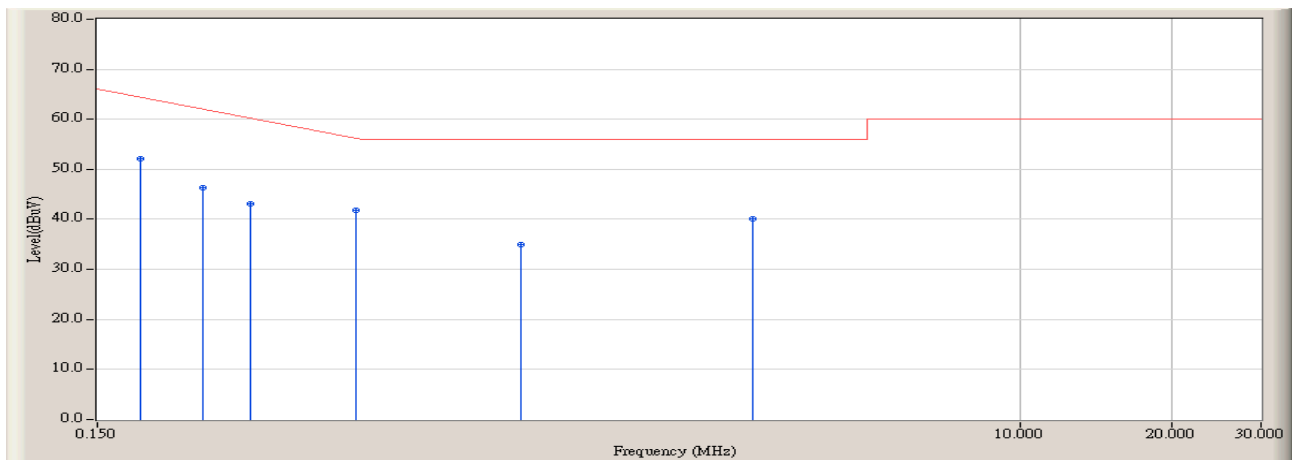
Note:

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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:20
Limit : FCC_Part15.207_QP	Margin : 10
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:23
Limit : FCC_Part15.207_QP	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

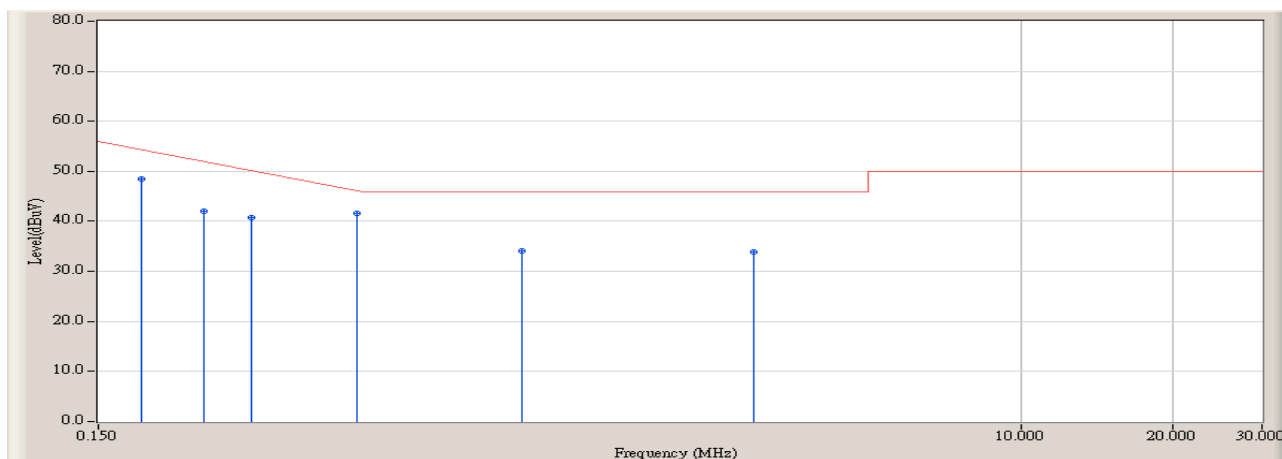


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.182	9.774	42.400	52.174	-12.912	65.086	QUASIPeAK
2		0.242	9.455	36.800	46.255	-17.116	63.371	QUASIPeAK
3		0.302	9.505	33.500	43.005	-18.652	61.657	QUASIPeAK
4		0.486	9.618	32.200	41.818	-14.582	56.400	QUASIPeAK
5		1.030	9.730	25.300	35.030	-20.970	56.000	QUASIPeAK
6		2.970	9.740	30.300	40.040	-15.960	56.000	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:23
Limit : FCC_Part15.207_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line1
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

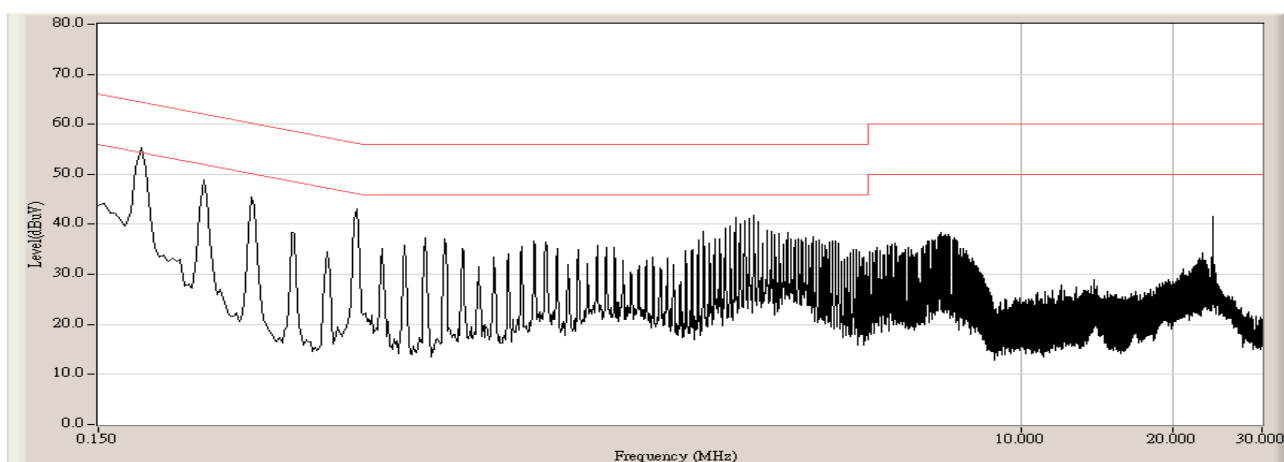


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.182	9.774	38.800	48.574	-6.512	55.086	AVERAGE
2		0.242	9.455	32.600	42.055	-11.316	53.371	AVERAGE
3		0.302	9.505	31.300	40.805	-10.852	51.657	AVERAGE
4	*	0.486	9.618	31.900	41.518	-4.882	46.400	AVERAGE
5		1.030	9.730	24.300	34.030	-11.970	46.000	AVERAGE
6		2.970	9.740	24.200	33.940	-12.060	46.000	AVERAGE

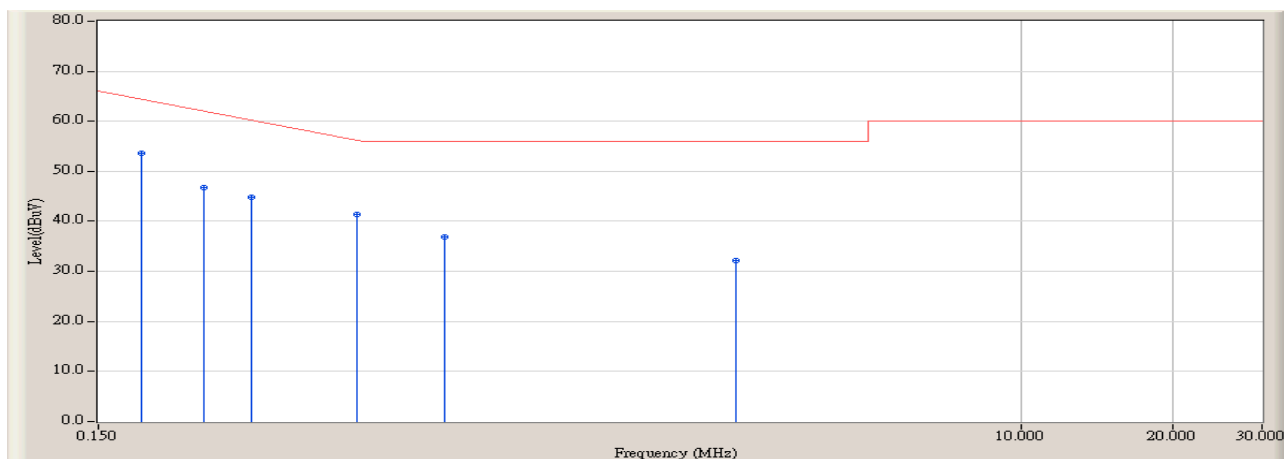
Note:

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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:33
Limit : FCC_Part15.207_QP	Margin : 10
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)



Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:36
Limit : FCC_Part15.207_QP	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

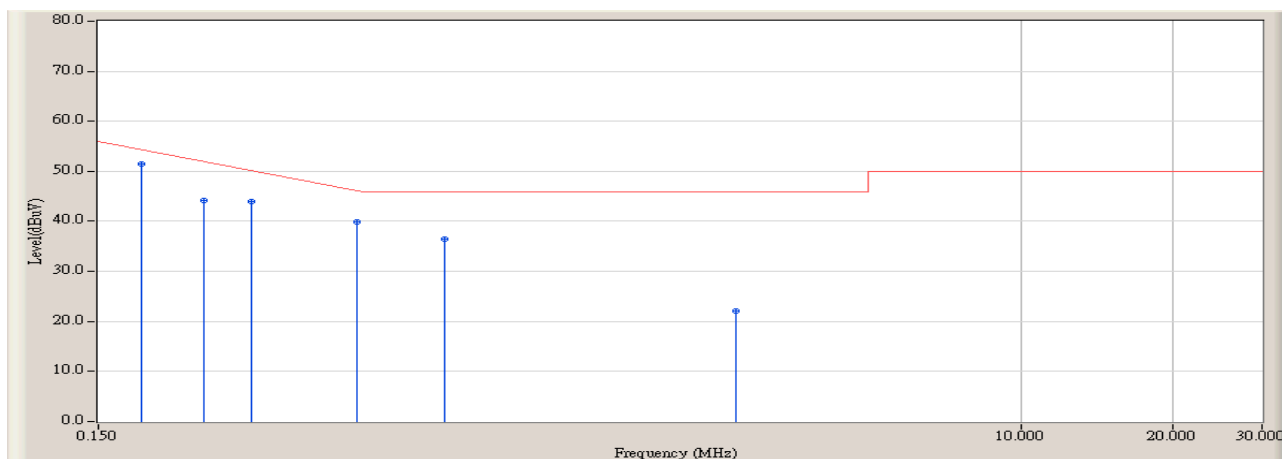


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.182	9.776	43.800	53.576	-11.510	65.086	QUASIPeAK
2		0.242	9.580	37.200	46.780	-16.591	63.371	QUASIPeAK
3		0.302	9.600	35.300	44.900	-16.757	61.657	QUASIPeAK
4		0.486	9.620	31.800	41.420	-14.980	56.400	QUASIPeAK
5		0.726	9.770	27.200	36.970	-19.030	56.000	QUASIPeAK
6		2.726	9.680	22.500	32.180	-23.820	56.000	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

Engineer : Marlin	
Site : SR1 (Shielded Room for Conducted Emission and Power Disturbance Test)	Time : 2005/02/14 - 15:36
Limit : FCC_Part15.207_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : ENV216_100014(0.009-30MHz) - Line2
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.182	9.776	41.800	51.576	-3.510	55.086	AVERAGE
2		0.242	9.580	34.700	44.280	-9.091	53.371	AVERAGE
3		0.302	9.600	34.300	43.900	-7.757	51.657	AVERAGE
4		0.486	9.620	30.300	39.920	-6.480	46.400	AVERAGE
5		0.726	9.770	26.600	36.370	-9.630	46.000	AVERAGE
6		2.726	9.680	12.500	22.180	-23.820	46.000	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

3.7. Test Photograph

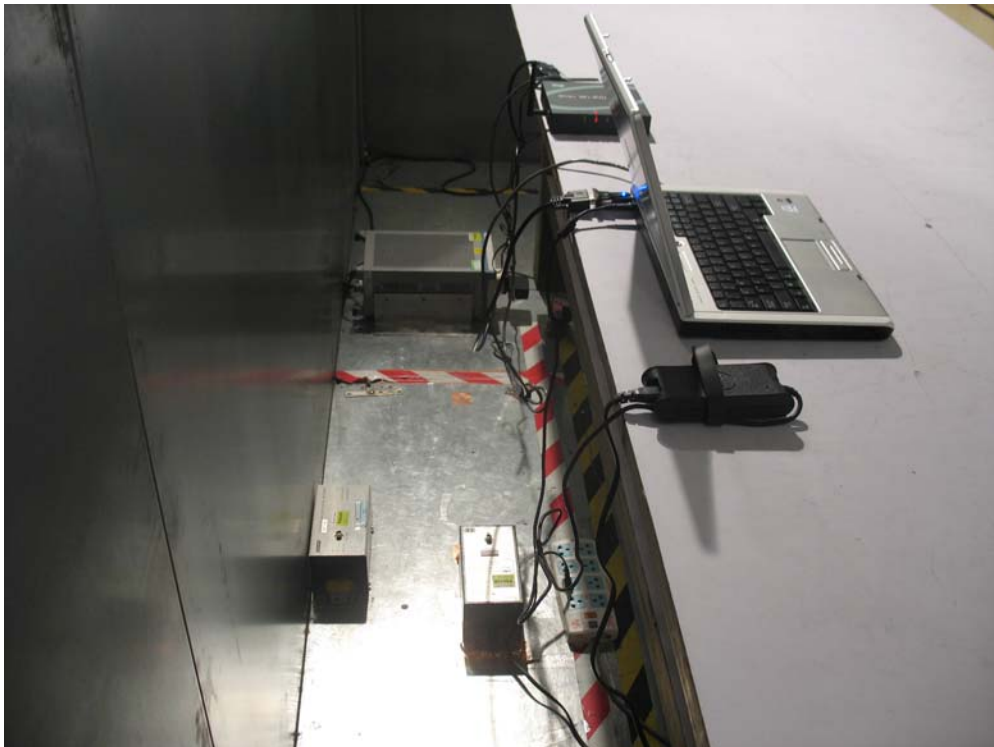
Test Mode: Mode 1: Transmit by 802.11b

Description: Front View of Conducted Emission Test Setup



Test Mode: Mode 1: Transmit by 802.11b

Description: Back View of Conducted Emission Test Setup



Test Mode: Mode 2: Transmit by 802.11g

Description: Front View of Conducted Emission Test Setup



Test Mode: Mode 2: Transmit by 802.11g

Description: Back View of Conducted Emission Test Setup



4. Radiated Emission

4.1. Test Equipment

☐ Radiated Emission / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4408B	MY45102679	2007/11/12
EMI Test Receiver	R&S	ESCI	100573	2007/05/23
Preamplifier	Quietek	AP-025C	QT-AP003	2007/11/25
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Bilog Type Antenna	Schaffner	CBL6112B	2932	2007/11/22
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
50ohm Coaxial Switch	Anritsu	MP59B	6200447304	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	04	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH002	2007/03/31

☒ Radiated Emission / AC-3

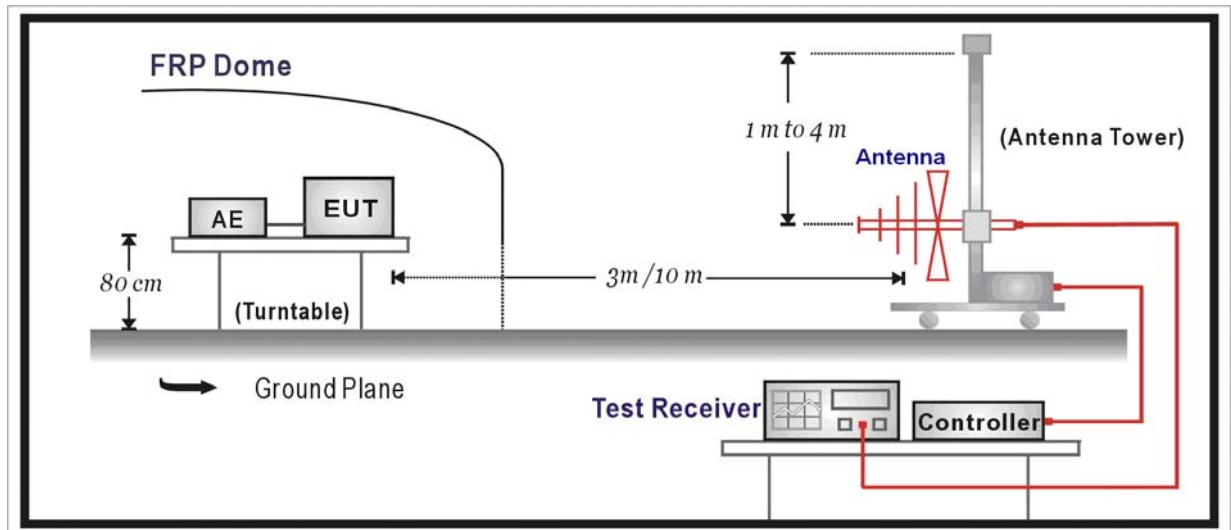
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4408B	MY45102679	2007/11/12
EMI Test Receiver	R&S	ESCI	100176	2007/11/15
Preamplifier	Quietek	AP-025C	QT-AP004	2007/11/25
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Bilog Type Antenna	Schaffner	CBL6112D	22254	2007/11/22
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
50ohm Coaxial Switch	Anritsu	MP59B	6200464463	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	05	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH003	2007/03/31

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

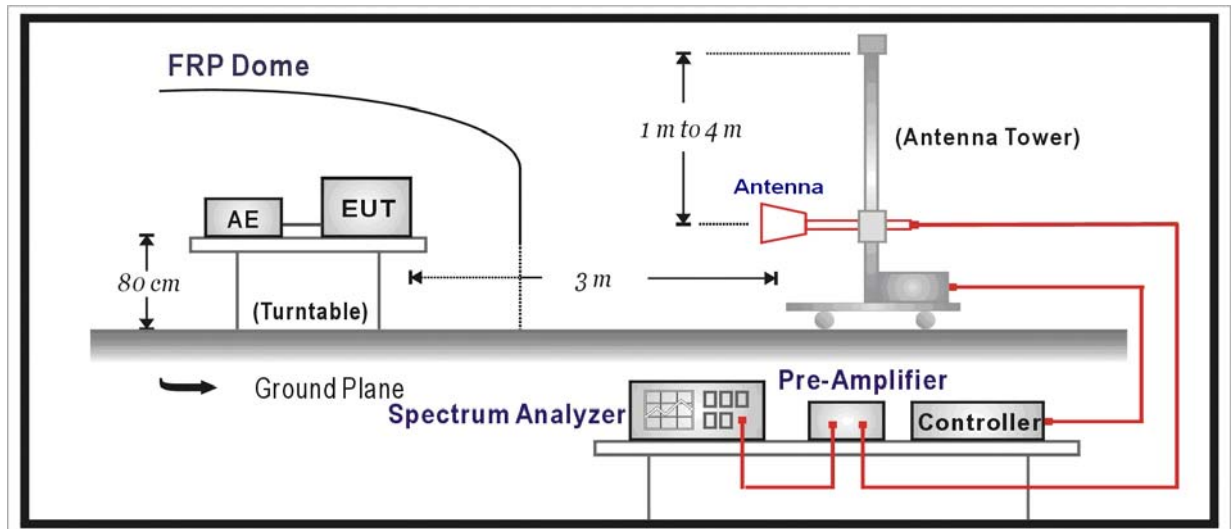
Note 2: The test instruments marked with "X" are used to measure the final test results.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Distance (m)	Level (dBuV/m)
30 - 88	3	40
88 - 216	3	43.5
216 - 960	3	46
Above 960	3	54

Note 1: The lower limit shall apply at the transition frequency.

Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Note 3: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

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

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 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 is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

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

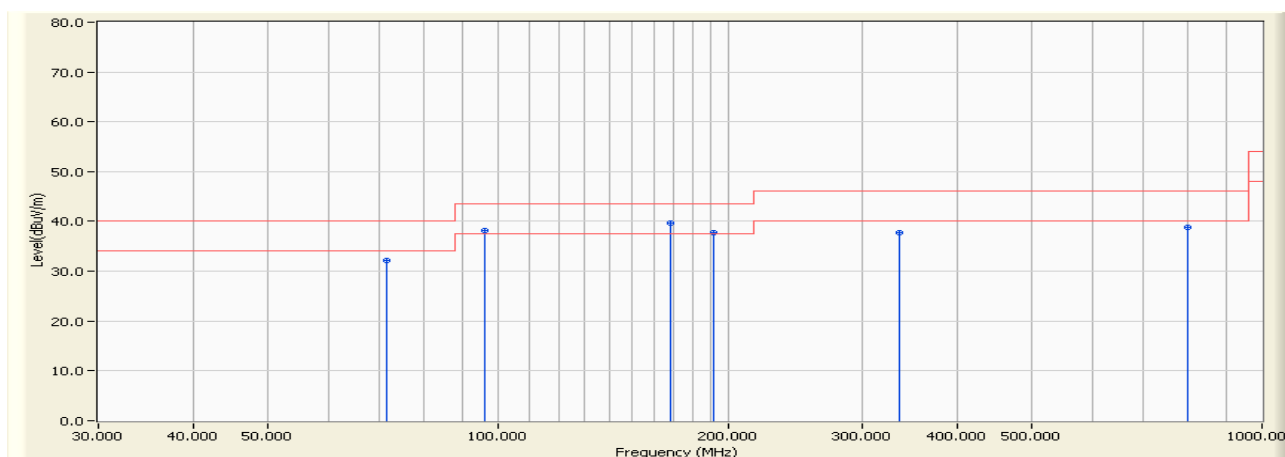
The frequency range from 30MHz to 10th harmonic is checked.

4.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB
below 1G is defined as ± 3.8 dB

4.6. Test Result

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 12:27
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

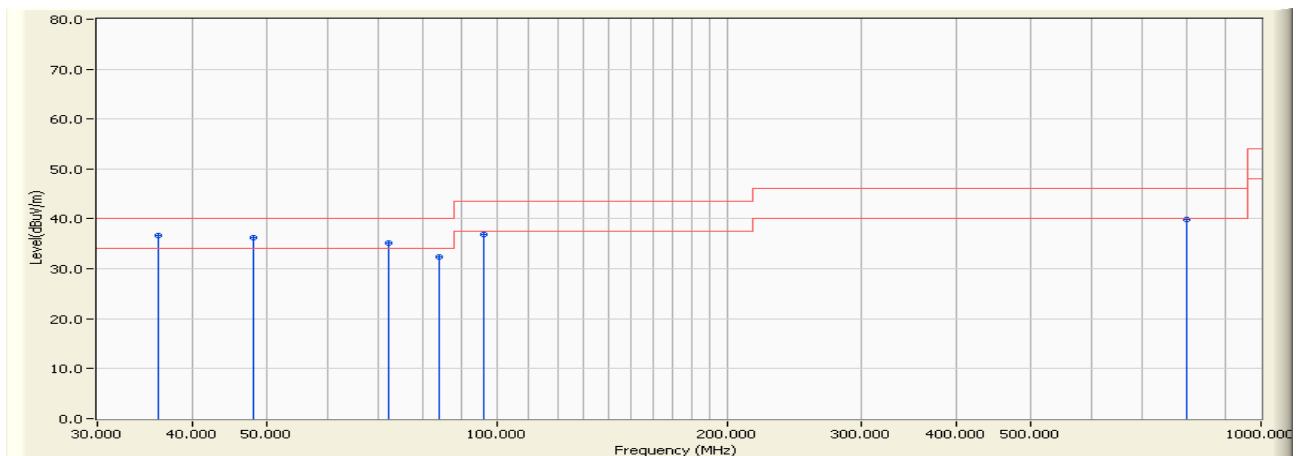


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		71.500	-16.464	48.600	32.136	-7.864	40.000	QUASIPeAK	315.400	258.700
2		96.000	-12.040	50.200	38.159	-5.361	43.520	QUASIPeAK	376.800	17.600
3	*	168.000	-12.583	52.300	39.717	-3.803	43.520	QUASIPeAK	235.600	346.700
4		191.975	-12.951	50.800	37.849	-5.671	43.520	QUASIPeAK	265.400	254.600
5		335.800	-7.264	45.100	37.837	-8.183	46.020	QUASIPeAK	321.800	287.600
6		797.950	0.077	38.700	38.777	-7.243	46.020	QUASIPeAK	289.400	198.700

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 12:46
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

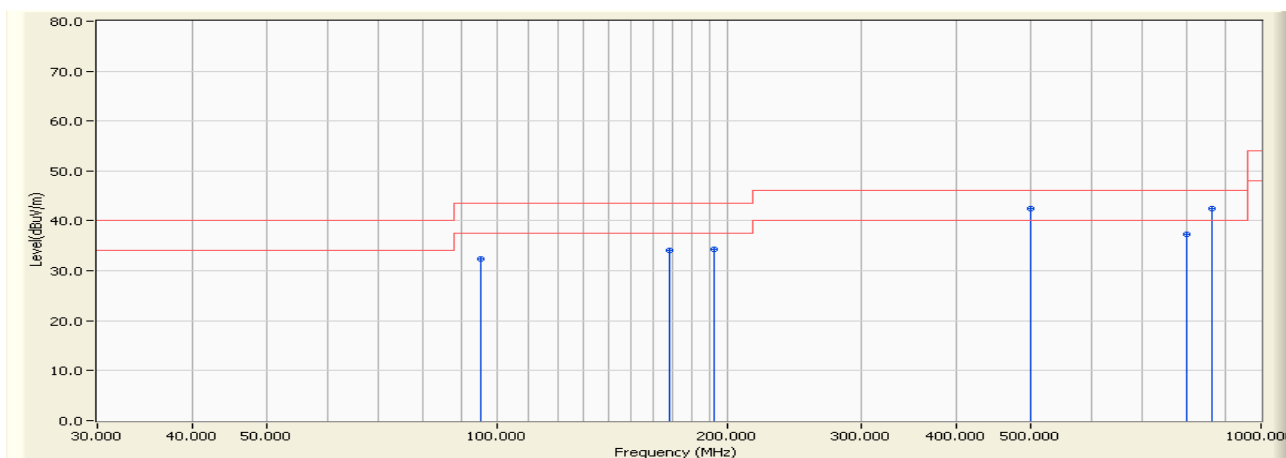


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	*	36.000	-8.043	44.800	36.757	-3.243	40.000	QUASIPeAK	100.000	358.400
2		48.025	-13.783	50.100	36.317	-3.683	40.000	QUASIPeAK	100.000	357.900
3		72.050	-16.411	51.600	35.189	-4.811	40.000	QUASIPeAK	100.000	304.500
4		84.000	-14.606	47.000	32.394	-7.606	40.000	QUASIPeAK	100.000	287.600
5		96.025	-12.038	48.900	36.862	-6.658	43.520	QUASIPeAK	100.000	288.400
6		798.800	0.050	39.800	39.849	-6.171	46.020	QUASIPeAK	289.700	315.600

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 13:05
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

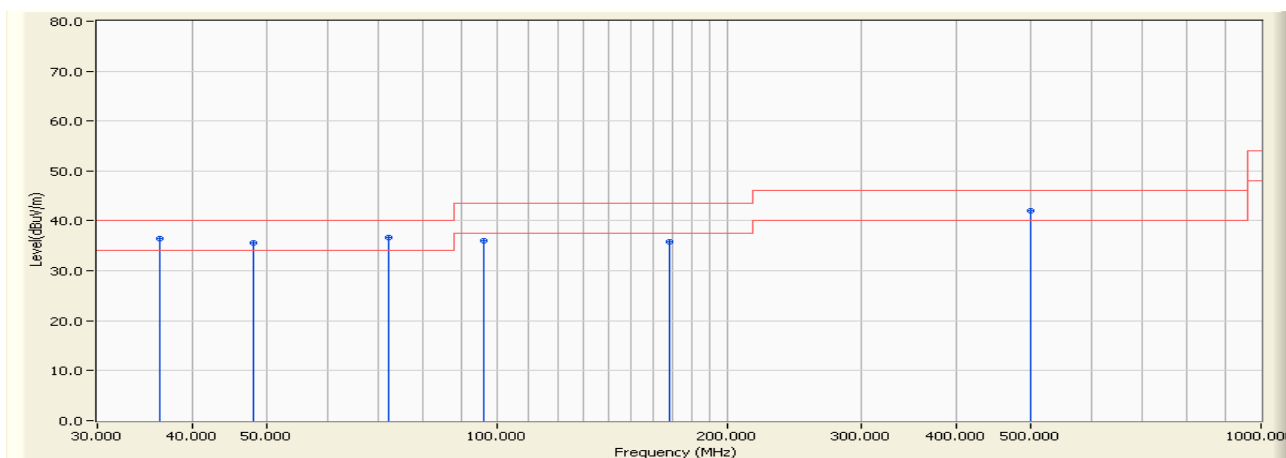


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		95.075	-12.189	44.600	32.411	-11.109	43.520	QUASIPeAK	152.400	198.700
2		168.025	-12.584	46.700	34.116	-9.404	43.520	QUASIPeAK	145.800	197.300
3		192.075	-12.942	47.200	34.258	-9.262	43.520	QUASIPeAK	100.000	182.700
4		500.027	-3.201	45.600	42.399	-3.621	46.020	QUASIPeAK	100.000	208.400
5		800.060	-0.005	37.300	37.295	-8.725	46.020	QUASIPeAK	100.000	255.200
6	*	864.015	0.726	41.800	42.527	-3.493	46.020	QUASIPeAK	100.000	356.800

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 13:36
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

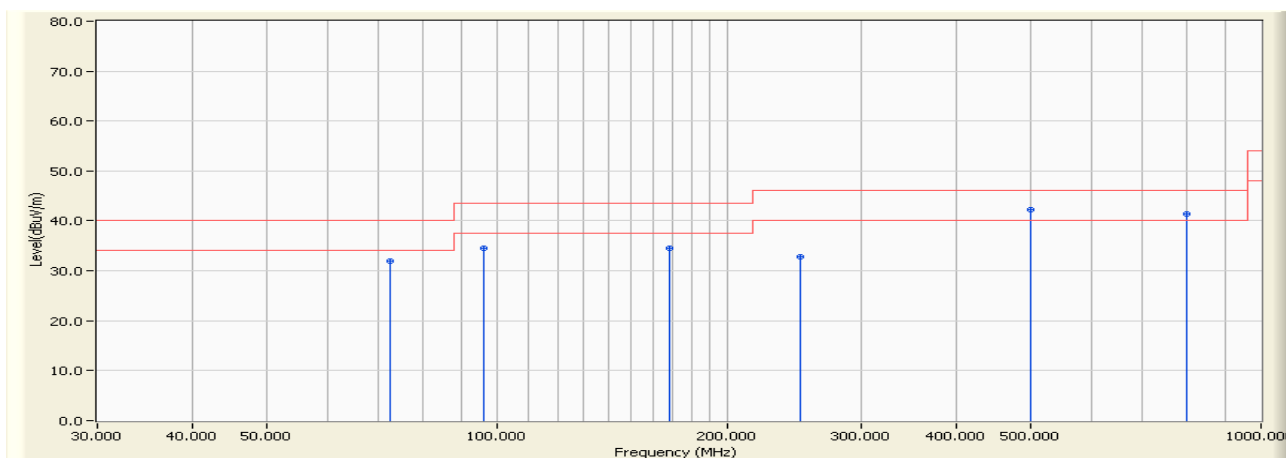


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		36.150	-8.118	44.600	36.483	-3.517	40.000	QUASIPeAK	100.000	319.500
2		48.050	-13.794	49.500	35.706	-4.294	40.000	QUASIPeAK	100.000	318.200
3	*	72.010	-16.415	53.115	36.700	-3.300	40.000	QUASIPeAK	100.000	318.200
4		96.080	-12.031	48.060	36.028	-7.492	43.520	QUASIPeAK	145.600	182.900
5		168.070	-12.585	48.400	35.815	-7.705	43.520	QUASIPeAK	152.800	182.900
6		500.022	-3.201	45.300	42.098	-3.922	46.020	QUASIPeAK	116.700	15.600

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 13:49
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

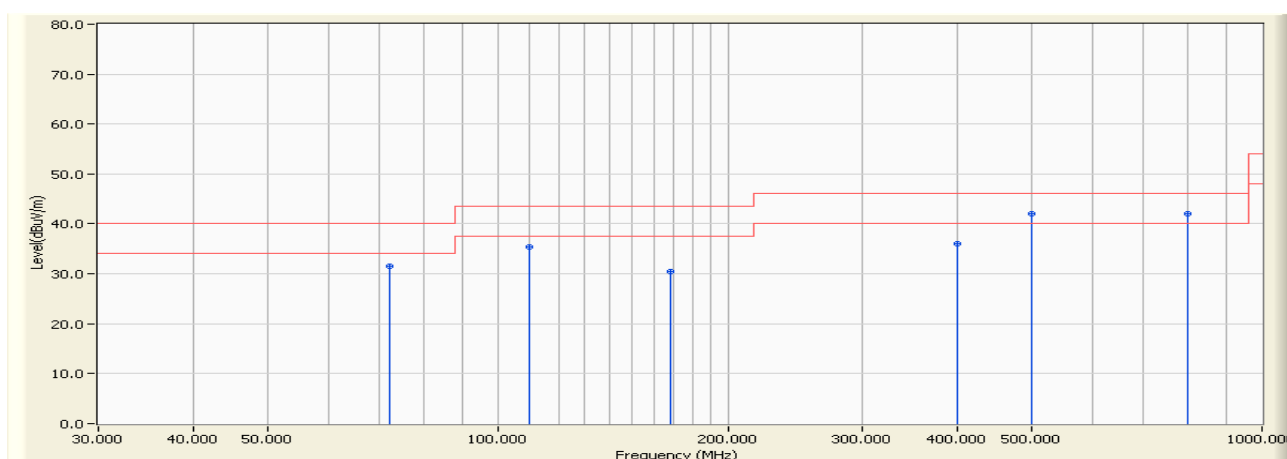


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		72.450	-16.373	48.300	31.927	-8.073	40.000	QUASIPeAK	100.000	182.900
2		96.080	-12.031	46.500	34.468	-9.052	43.520	QUASIPeAK	100.000	172.600
3		168.450	-12.597	47.060	34.463	-9.057	43.520	QUASIPeAK	100.000	192.400
4		250.050	-9.550	42.300	32.751	-13.269	46.020	QUASIPeAK	145.800	182.000
5	*	500.025	-3.201	45.500	42.298	-3.722	46.020	QUASIPeAK	325.400	192.700
6		800.025	-0.003	41.300	41.297	-4.723	46.020	QUASIPeAK	100.000	187.200

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 13:58
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

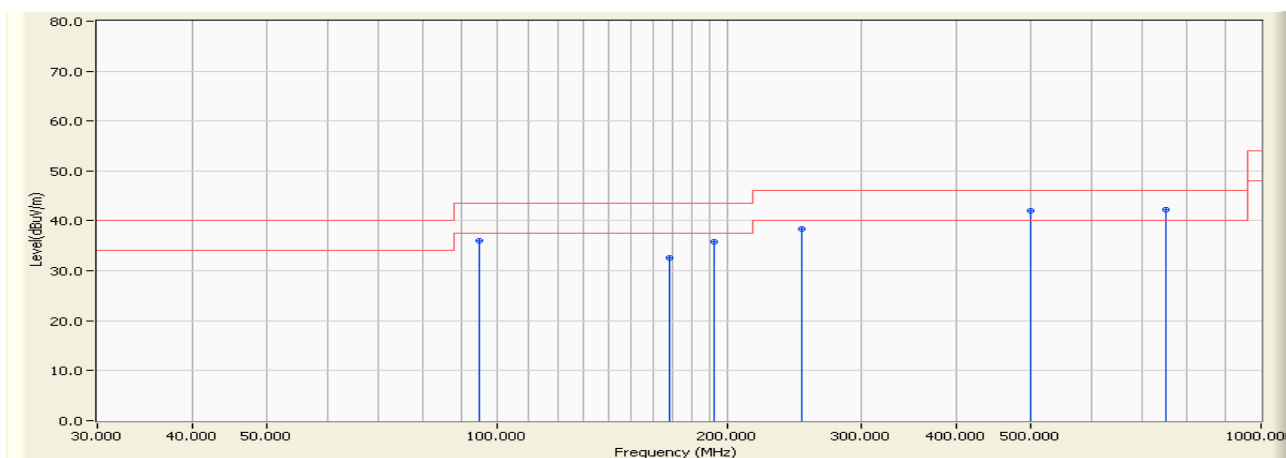


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	72.060	-16.410	48.030	31.620	-8.380	40.000	QUASIPeAK	100.000	316.500
2	110.025	-10.258	45.600	35.342	-8.178	43.520	QUASIPeAK	152.700	182.900
3	168.050	-12.585	43.090	30.505	-13.015	43.520	QUASIPeAK	100.000	192.100
4	400.020	-5.053	41.050	35.996	-10.024	46.020	QUASIPeAK	125.300	172.900
5	500.052	-3.200	45.200	42.000	-4.020	46.020	QUASIPeAK	100.000	192.700
6	* 800.025	-0.003	42.020	42.017	-4.003	46.020	QUASIPeAK	182.400	192.700

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 14:17
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

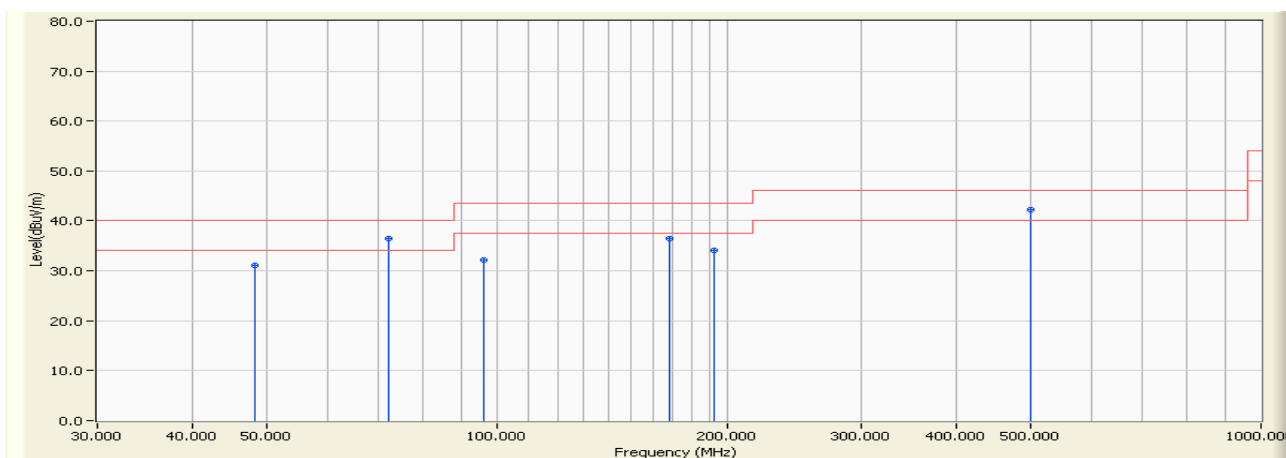


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1	95.020	-12.199	48.200	36.002	-7.518	43.520	QUASIPeAK	100.000	192.600
2	168.020	-12.584	45.200	32.616	-10.904	43.520	QUASIPeAK	105.600	178.500
3	192.045	-12.945	48.700	35.755	-7.765	43.520	QUASIPeAK	153.600	192.700
4	250.400	-9.532	47.900	38.367	-7.653	46.020	QUASIPeAK	100.000	125.400
5	500.450	-3.182	45.120	41.938	-4.082	46.020	QUASIPeAK	172.900	195.400
6	* 751.060	0.156	42.050	42.205	-3.815	46.020	QUASIPeAK	100.000	182.000

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 14:29
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

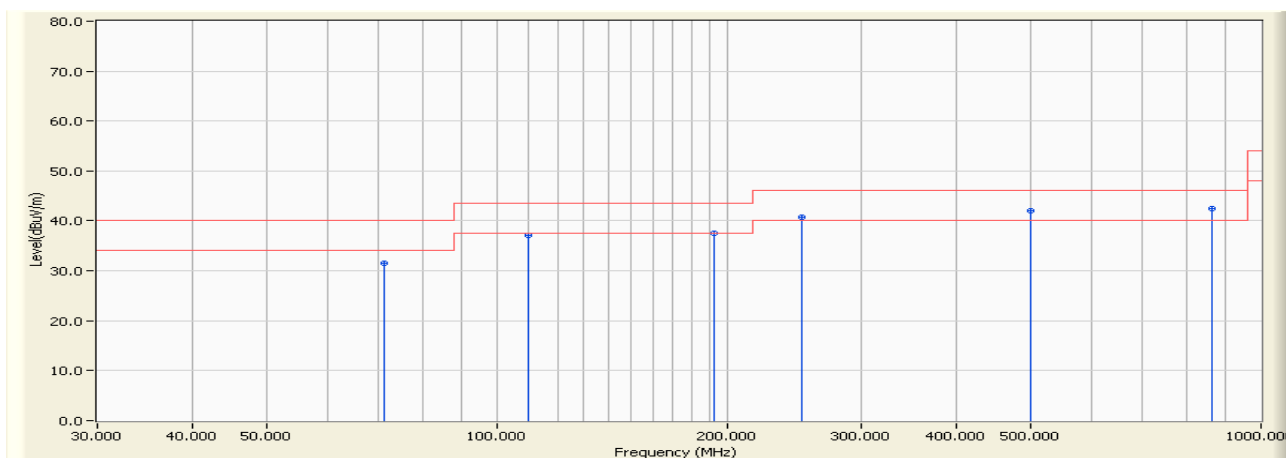


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		48.200	-13.861	45.060	31.200	-8.800	40.000	QUASIPeAK	100.000	125.400
2	*	72.050	-16.411	52.900	36.489	-3.511	40.000	QUASIPeAK	100.000	178.500
3		96.100	-12.029	44.260	32.231	-11.289	43.520	QUASIPeAK	100.000	356.900
4		168.020	-12.584	49.150	36.566	-6.954	43.520	QUASIPeAK	125.400	182.400
5		192.040	-12.945	47.100	34.155	-9.365	43.520	QUASIPeAK	172.700	256.200
6		500.050	-3.200	45.500	42.300	-3.720	46.020	QUASIPeAK	287.600	316.500

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 14:43
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

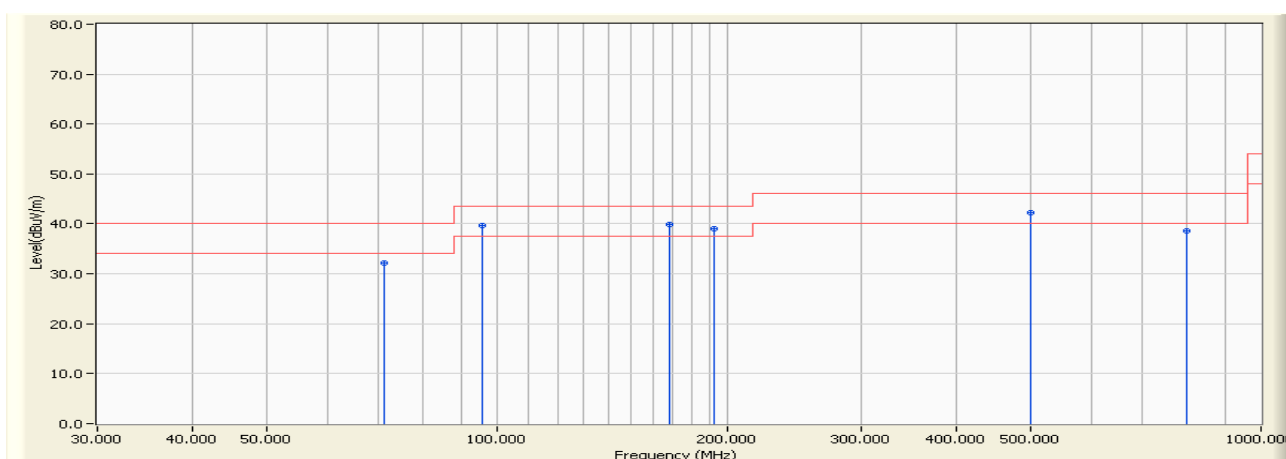


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		71.225	-16.489	47.981	31.492	-8.508	40.000	QUASIPeAK	100.000	142.700
2		110.025	-10.258	47.319	37.061	-6.459	43.520	QUASIPeAK	142.600	182.300
3		192.475	-12.903	50.456	37.553	-5.967	43.520	QUASIPeAK	100.000	152.900
4		250.675	-9.518	50.341	40.823	-5.197	46.020	QUASIPeAK	175.900	124.300
5		500.450	-3.182	45.209	42.027	-3.993	46.020	QUASIPeAK	172.100	75.900
6	*	864.200	0.735	41.640	42.375	-3.645	46.020	QUASIPeAK	182.900	182.700

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 14:58
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

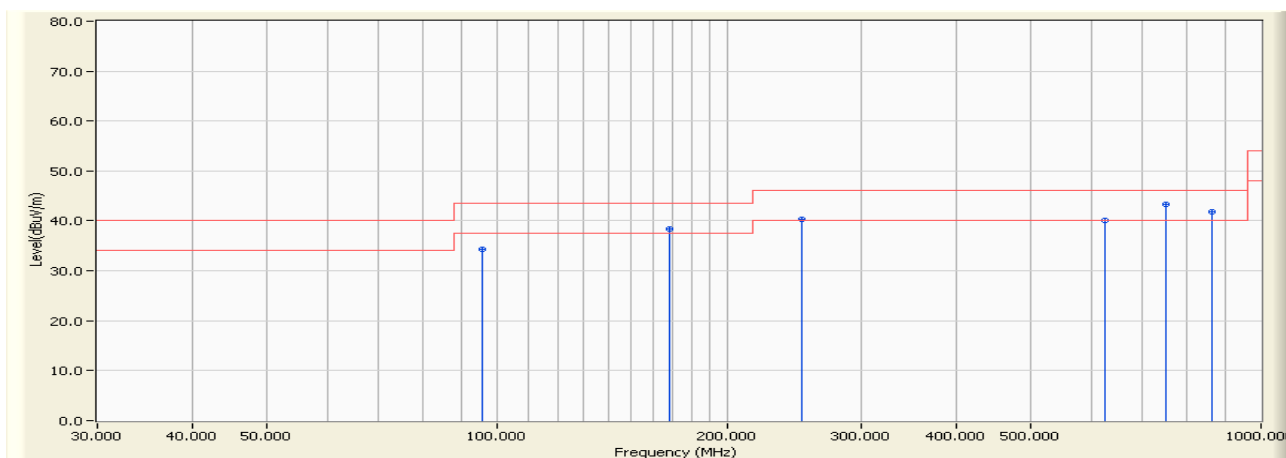


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		71.225	-16.489	48.691	32.202	-7.798	40.000	QUASIPeAK	125.400	315.700
2		95.475	-12.124	51.725	39.601	-3.919	43.520	QUASIPeAK	100.000	314.900
3	*	168.225	-12.590	52.518	39.928	-3.592	43.520	QUASIPeAK	182.700	324.100
4		192.475	-12.903	51.991	39.088	-4.432	43.520	QUASIPeAK	124.900	315.900
5		500.450	-3.182	45.504	42.322	-3.698	46.020	QUASIPeAK	182.600	328.700
6		798.725	0.052	38.496	38.548	-7.472	46.020	QUASIPeAK	214.600	192.600

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 15:09
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

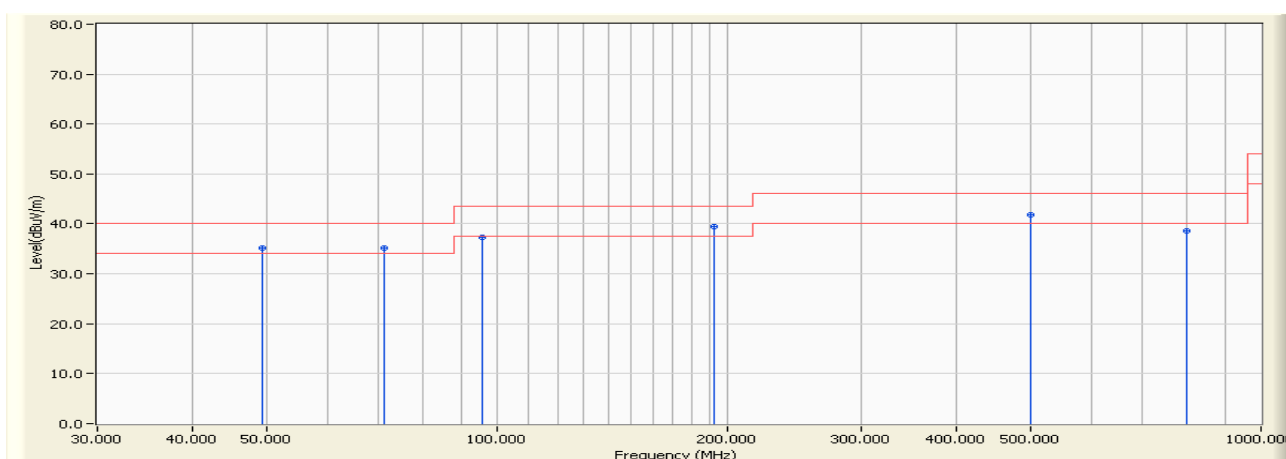


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		95.475	-12.124	46.529	34.405	-9.115	43.520	QUASIPeAK	100.000	1452.90
2		168.225	-12.590	51.050	38.460	-5.060	43.520	QUASIPeAK	142.900	125.700
3		250.675	-9.518	49.841	40.323	-5.697	46.020	QUASIPeAK	182.400	137.900
4		624.125	-1.135	41.265	40.130	-5.890	46.020	QUASIPeAK	192.100	192.300
5	*	750.225	0.128	43.091	43.219	-2.801	46.020	QUASIPeAK	142.700	249.700
6		864.200	0.735	41.040	41.775	-4.245	46.020	QUASIPeAK	152.900	315.200

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/14 - 15:22
Limit : FCC_SpartC_15.209_03M_QP	Margin : 6
EUT : Digi Wi-Point 3G	Probe : CBL6112D_22254(30-2000MHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

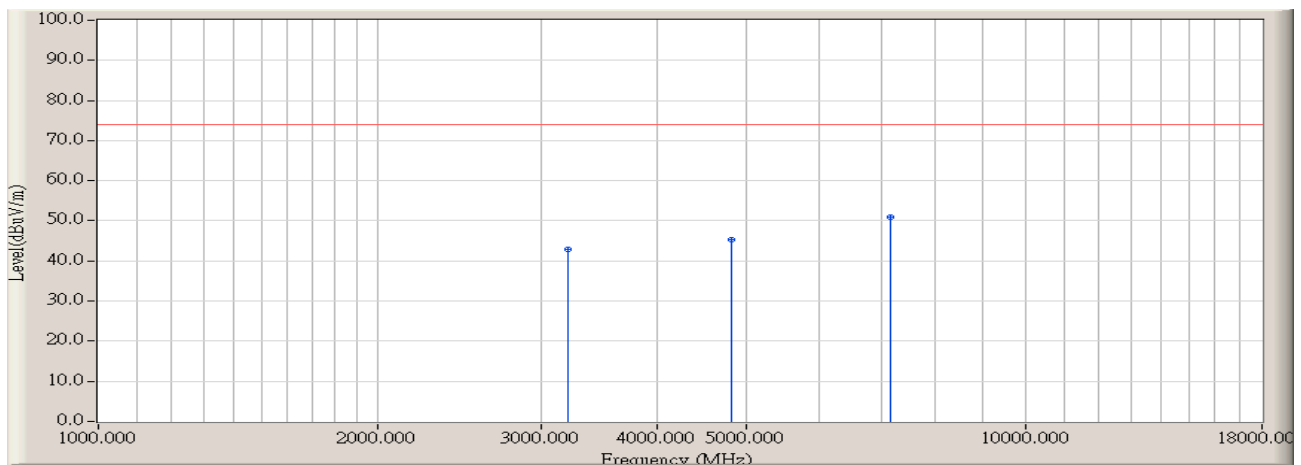


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		49.400	-14.381	49.629	35.248	-4.752	40.000	QUASIPeAK	100.000	98.600
2		71.225	-16.489	51.691	35.202	-4.798	40.000	QUASIPeAK	125.400	182.400
3		95.475	-12.124	49.425	37.301	-6.219	43.520	QUASIPeAK	138.900	172.500
4		192.475	-12.903	52.291	39.388	-4.132	43.520	QUASIPeAK	182.700	182.900
5	*	500.450	-3.182	45.104	41.922	-4.098	46.020	QUASIPeAK	100.000	59.700
6		798.725	0.052	38.496	38.548	-7.472	46.020	QUASIPeAK	138.600	82.100

Note:

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

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:25
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

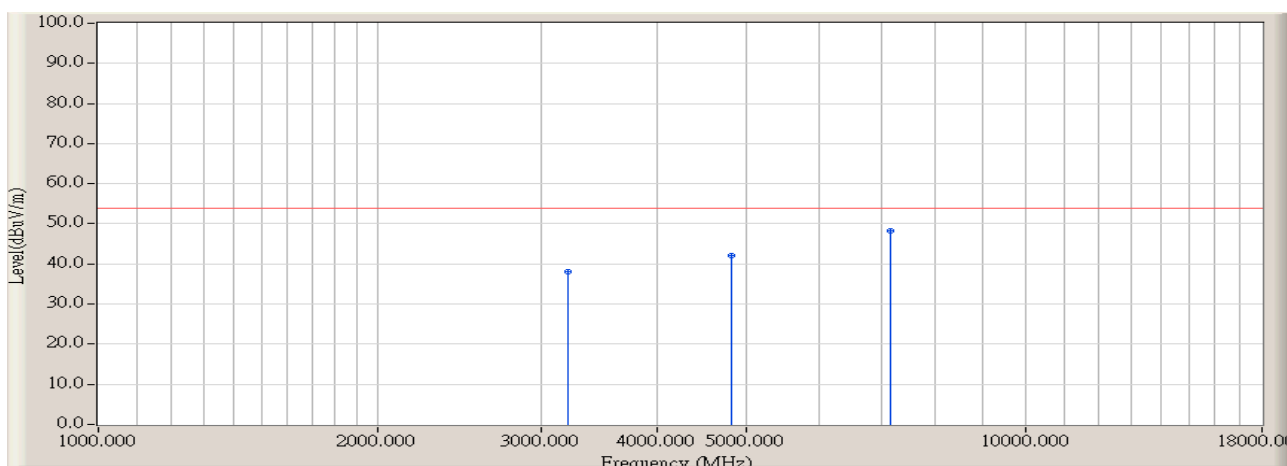


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	44.286	42.796	-31.174	73.970	PEAK	162.000	26.000
2		4825.000	3.610	41.606	45.216	-28.754	73.970	PEAK	124.000	82.000
3	*	7148.000	13.013	37.838	50.851	-23.119	73.970	PEAK	184.000	102.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:25
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

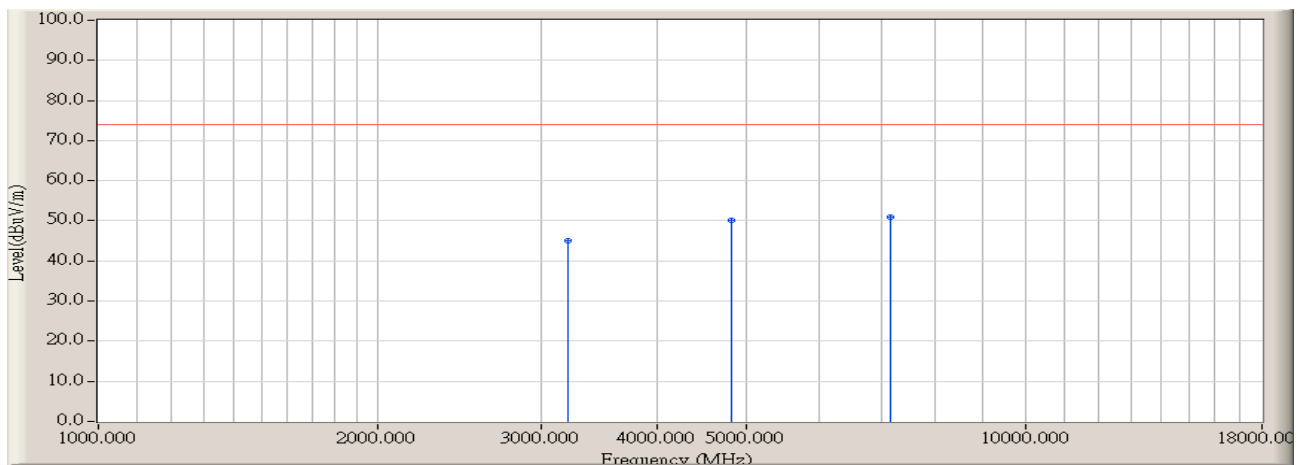


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	39.600	38.110	-15.860	53.970	AVERAGE	162.000	26.000
2		4825.000	3.610	38.500	42.110	-11.860	53.970	AVERAGE	124.000	82.000
3	*	7148.000	13.013	35.200	48.213	-5.757	53.970	AVERAGE	184.000	102.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:27
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

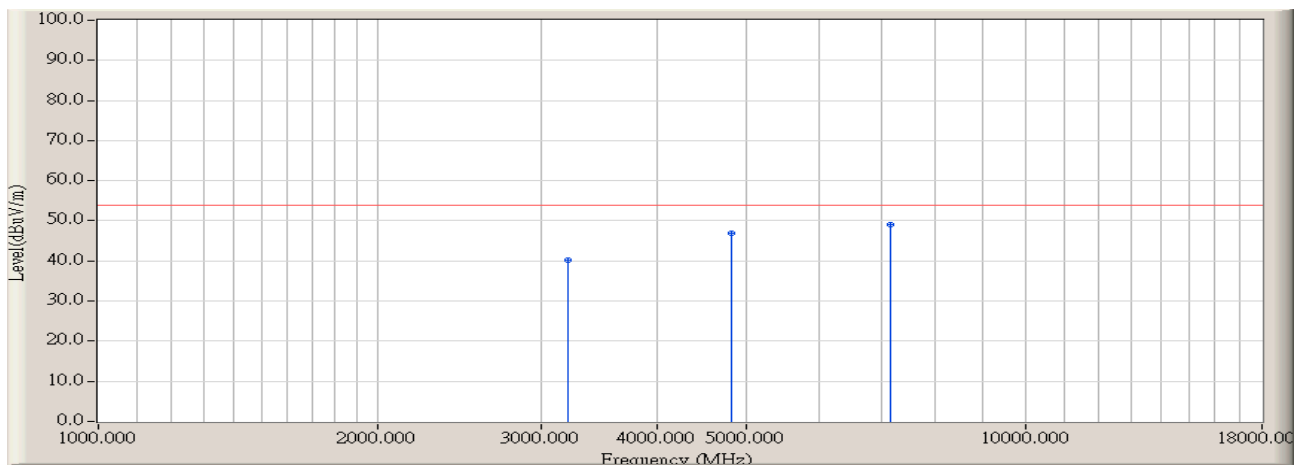


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	46.551	45.061	-28.909	73.970	PEAK	100.000	95.000
2		4825.000	3.610	46.614	50.224	-23.746	73.970	PEAK	103.000	44.000
3	*	7148.000	13.013	38.042	51.055	-22.915	73.970	PEAK	112.000	92.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:27
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

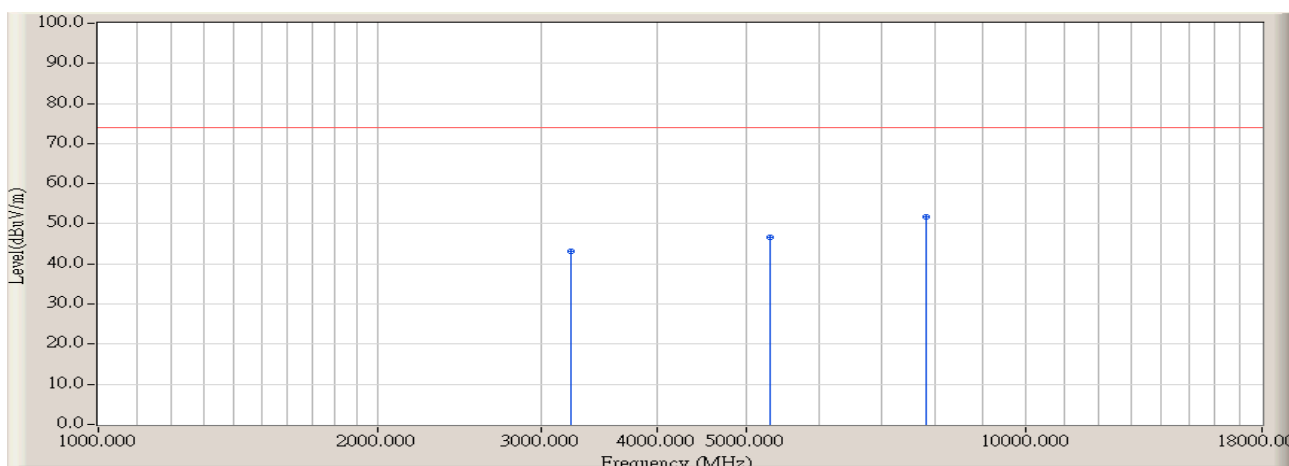


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	41.800	40.310	-13.660	53.970	AVERAGE	100.000	95.000
2		4825.000	3.610	43.300	46.910	-7.060	53.970	AVERAGE	103.000	44.000
3	*	7148.000	13.013	36.100	49.113	-4.857	53.970	AVERAGE	112.000	92.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:33
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

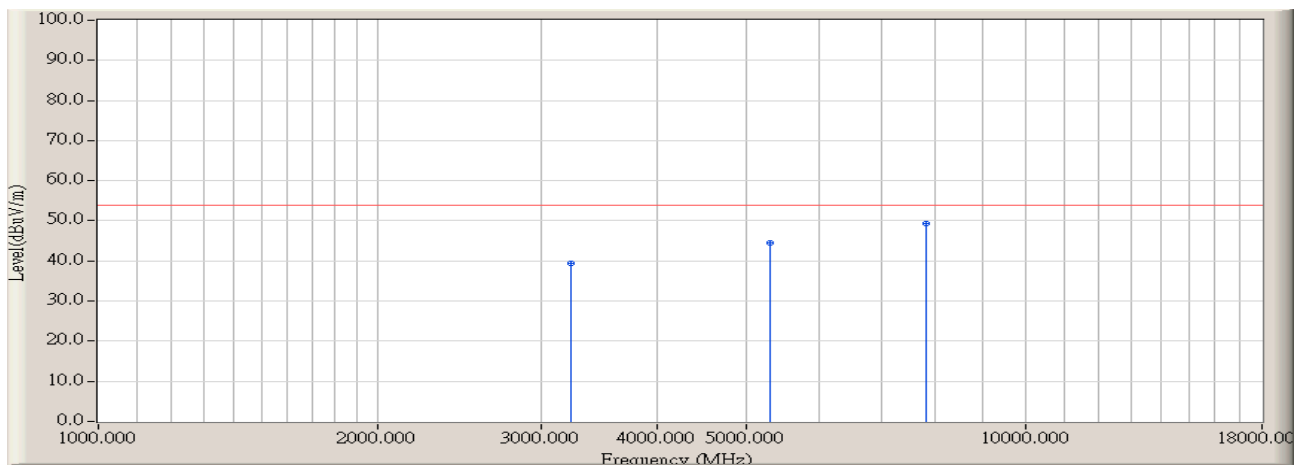


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	44.784	43.041	-30.929	73.970	PEAK	142.000	66.000
2		5306.000	4.337	42.184	46.521	-27.449	73.970	PEAK	124.000	103.000
3	*	7828.000	14.197	37.477	51.674	-22.296	73.970	PEAK	184.000	62.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:33
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

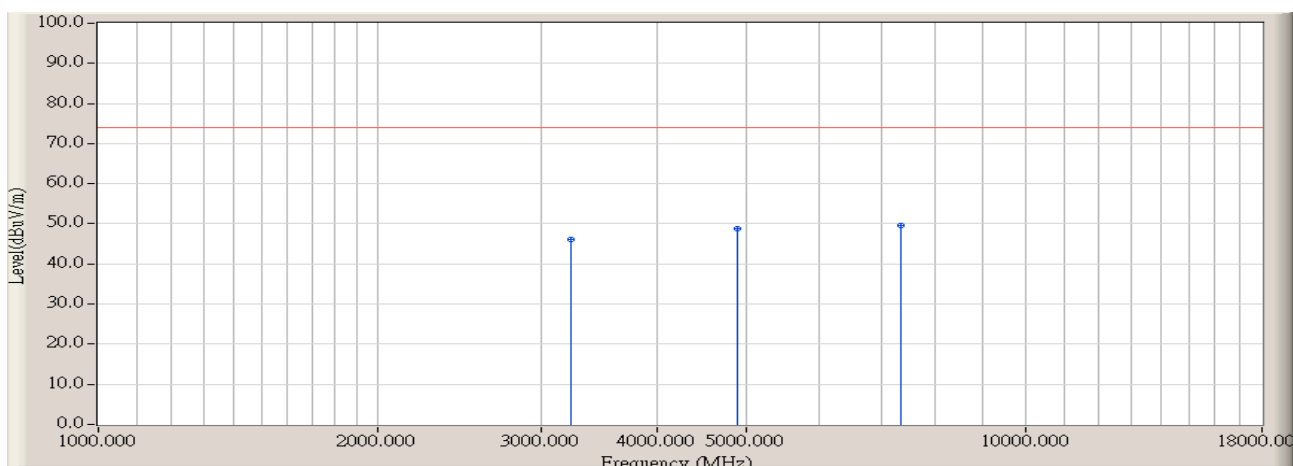


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	41.200	39.457	-14.513	53.970	AVERAGE	142.000	66.000
2		5306.000	4.337	40.100	44.437	-9.533	53.970	AVERAGE	124.000	103.000
3	*	7828.000	14.197	35.000	49.197	-4.773	53.970	AVERAGE	184.000	62.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:36
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

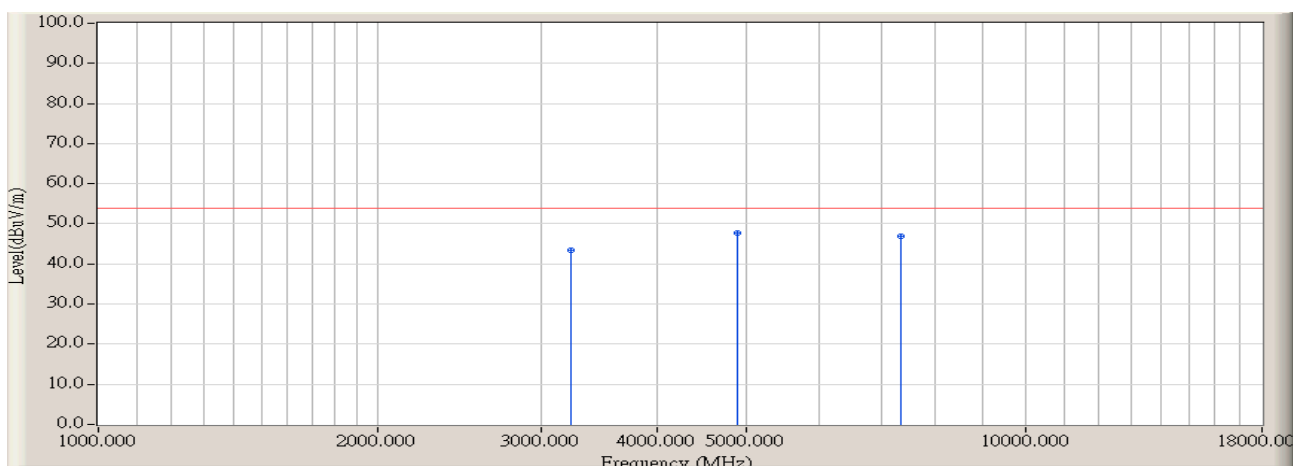


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	47.833	46.090	-27.880	73.970	PEAK	106.000	89.000
2		4881.000	3.633	45.232	48.865	-25.105	73.970	PEAK	100.000	48.000
3	*	7346.000	11.746	37.740	49.487	-24.483	73.970	PEAK	122.000	346.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:36
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2437MHz)

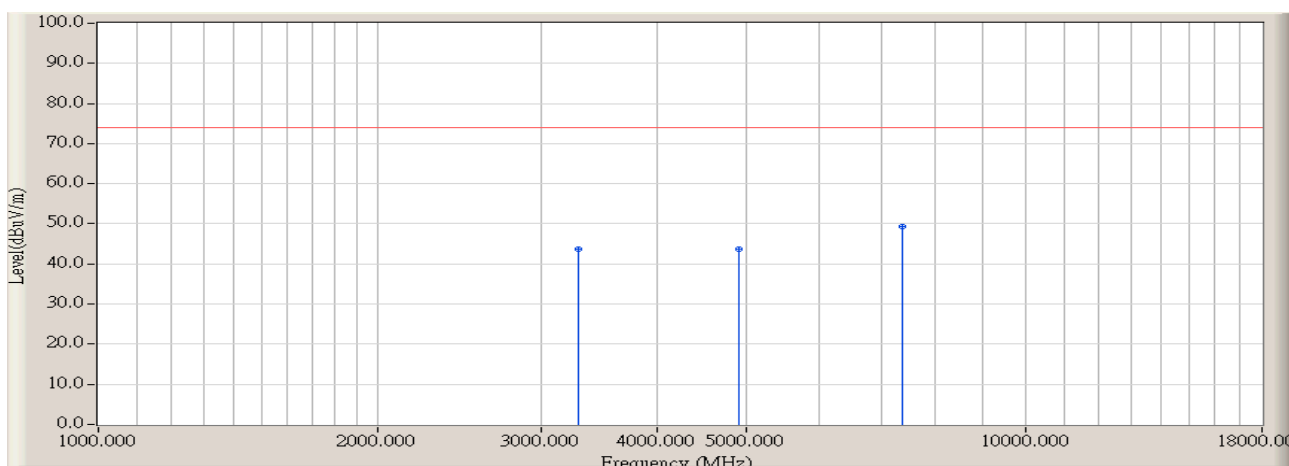


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	45.100	43.357	-10.613	53.970	AVERAGE	106.000	89.000
2	*	4881.000	3.633	44.200	47.833	-6.137	53.970	AVERAGE	100.000	48.000
3		7346.000	11.746	35.200	46.947	-7.023	53.970	AVERAGE	122.000	346.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:50
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

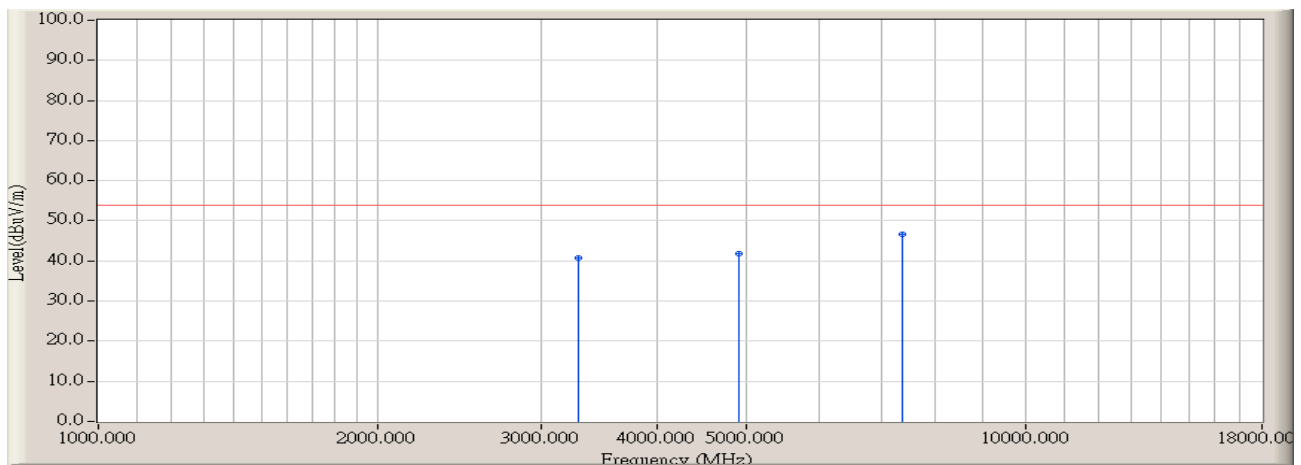


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3295.000	-1.720	45.492	43.772	-30.198	73.970	PEAK	133.000	46.000
2		4910.000	3.720	40.081	43.801	-30.169	73.970	PEAK	126.000	88.000
3	*	7375.000	11.650	37.730	49.380	-24.590	73.970	PEAK	164.000	342.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:50
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

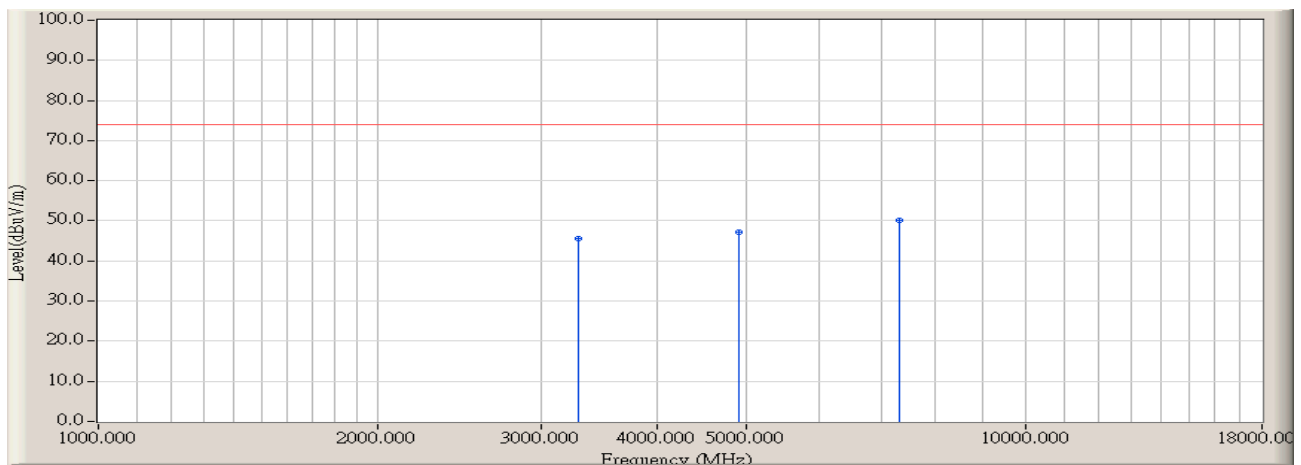


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3295.000	-1.720	42.600	40.880	-13.090	53.970	AVERAGE	133.000	46.000
2		4910.000	3.720	38.200	41.920	-12.050	53.970	AVERAGE	126.000	88.000
3	*	7375.000	11.650	35.000	46.650	-7.320	53.970	AVERAGE	164.000	342.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:52
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

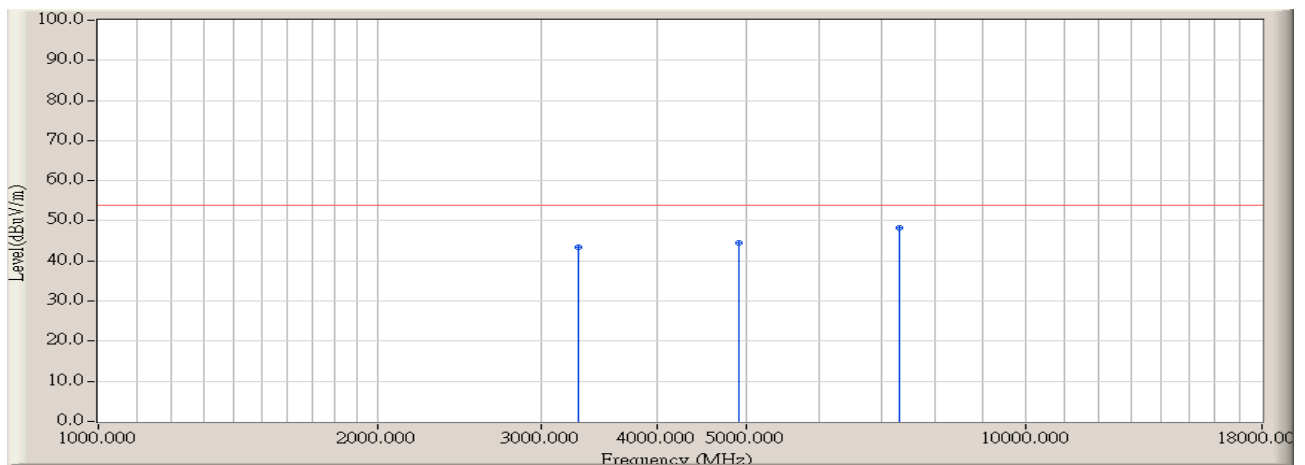


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3295.000	-1.720	47.308	45.588	-28.382	73.970	PEAK	100.000	42.000
2		4910.000	3.720	43.471	47.191	-26.779	73.970	PEAK	120.000	74.000
3	*	7318.000	12.017	38.060	50.077	-23.893	73.970	PEAK	104.000	194.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 13:52
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

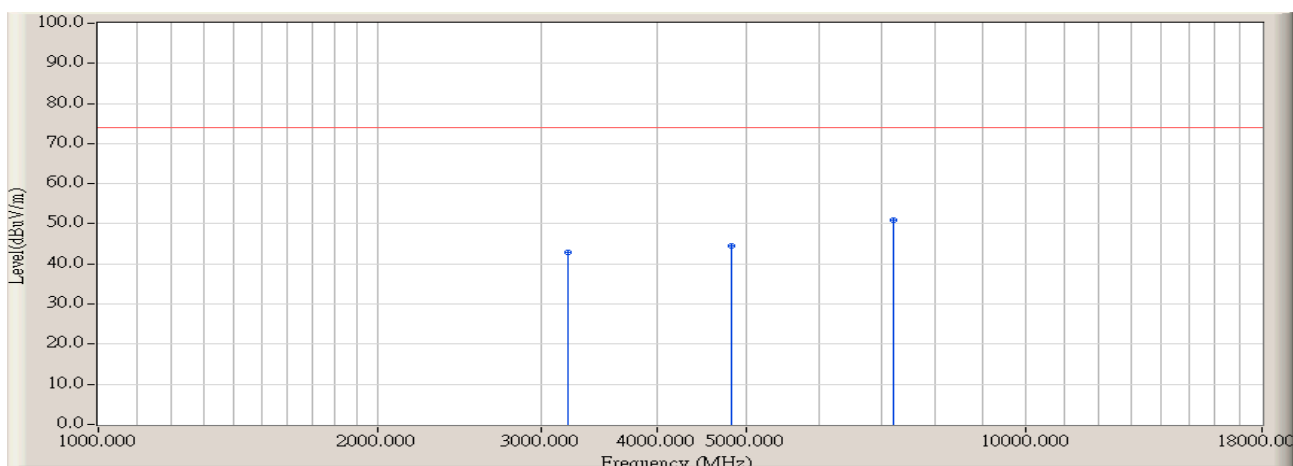


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3295.000	-1.720	45.100	43.380	-10.590	53.970	AVERAGE	100.000	42.000
2		4910.000	3.720	40.800	44.520	-9.450	53.970	AVERAGE	120.000	74.000
3	*	7318.000	12.017	36.200	48.217	-5.753	53.970	AVERAGE	104.000	194.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:03
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

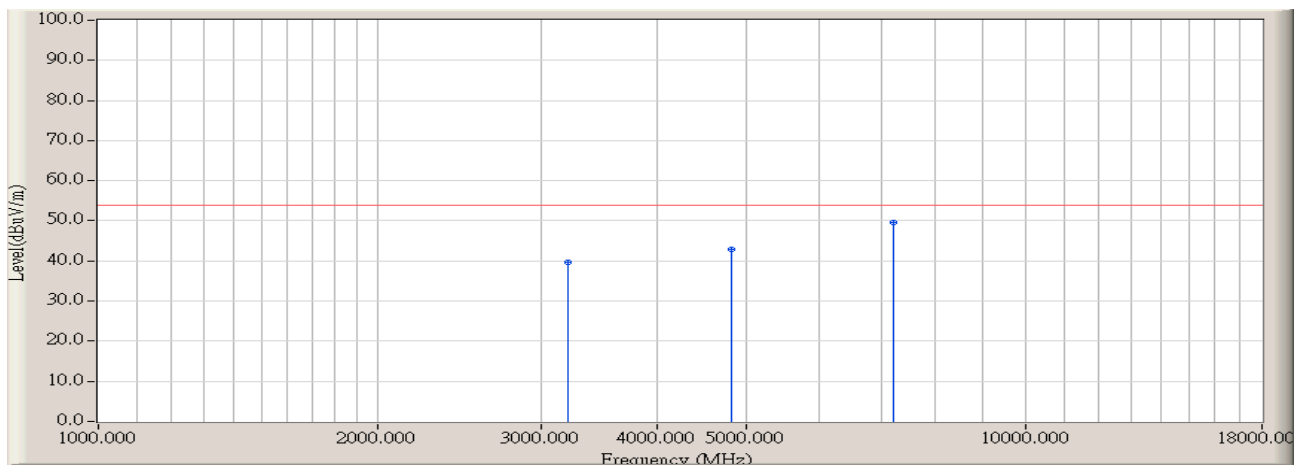


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	44.423	42.933	-31.037	73.970	PEAK	122.000	62.000
2		4825.000	3.610	41.009	44.619	-29.351	73.970	PEAK	143.000	79.000
3	*	7205.000	12.290	38.763	51.053	-22.917	73.970	PEAK	158.000	268.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:03
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

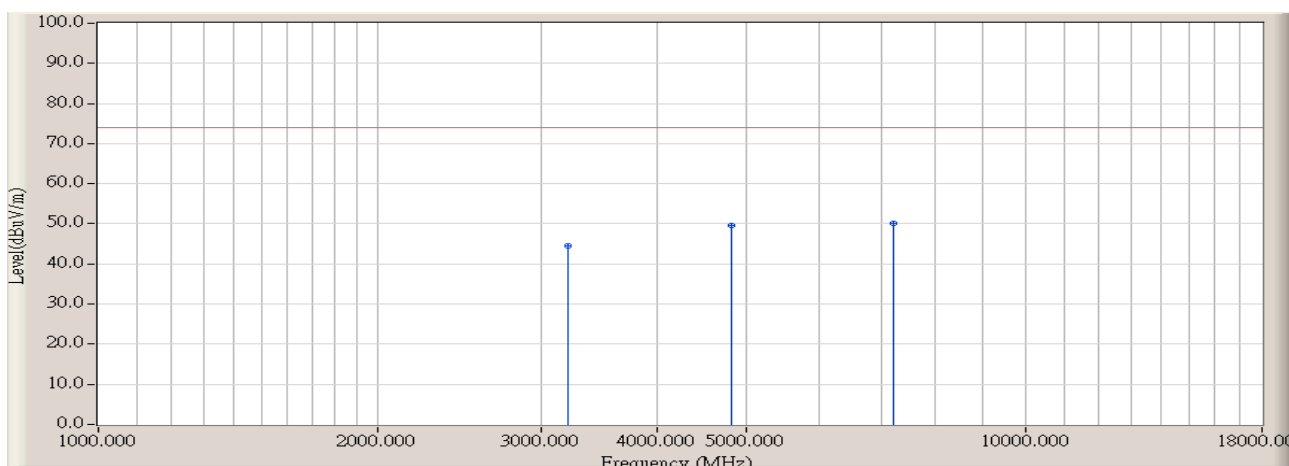


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	41.300	39.810	-14.160	53.970	AVERAGE	122.000	62.000
2		4825.000	3.610	39.200	42.810	-11.160	53.970	AVERAGE	143.000	79.000
3	*	7205.000	12.290	37.400	49.690	-4.280	53.970	AVERAGE	158.000	268.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:04
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

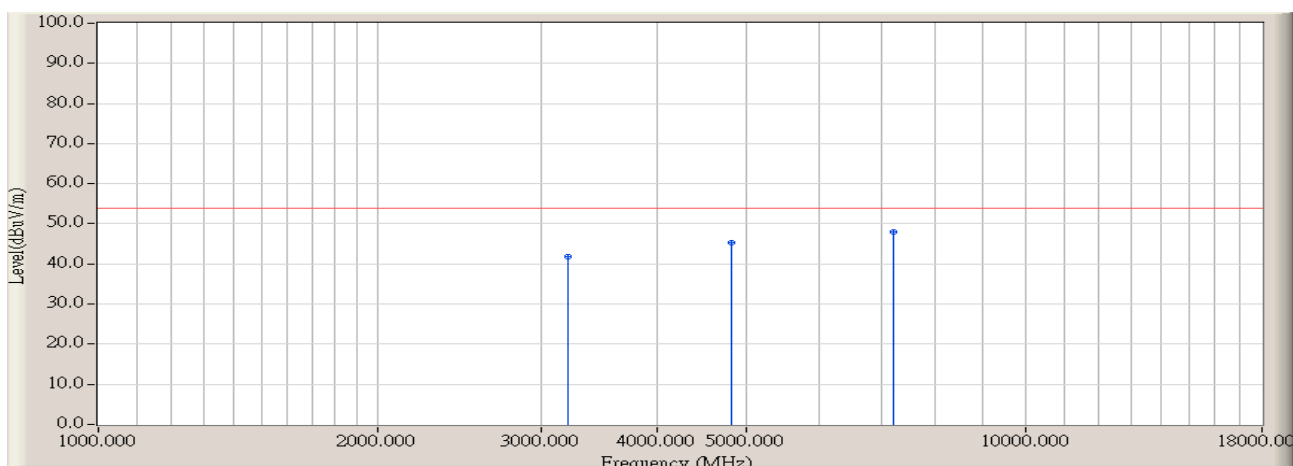


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	45.938	44.448	-29.522	73.970	PEAK	100.000	82.000
2		4825.000	3.610	45.997	49.607	-24.363	73.970	PEAK	106.000	92.000
3	*	7205.000	12.290	37.945	50.235	-23.735	73.970	PEAK	112.000	174.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:04
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

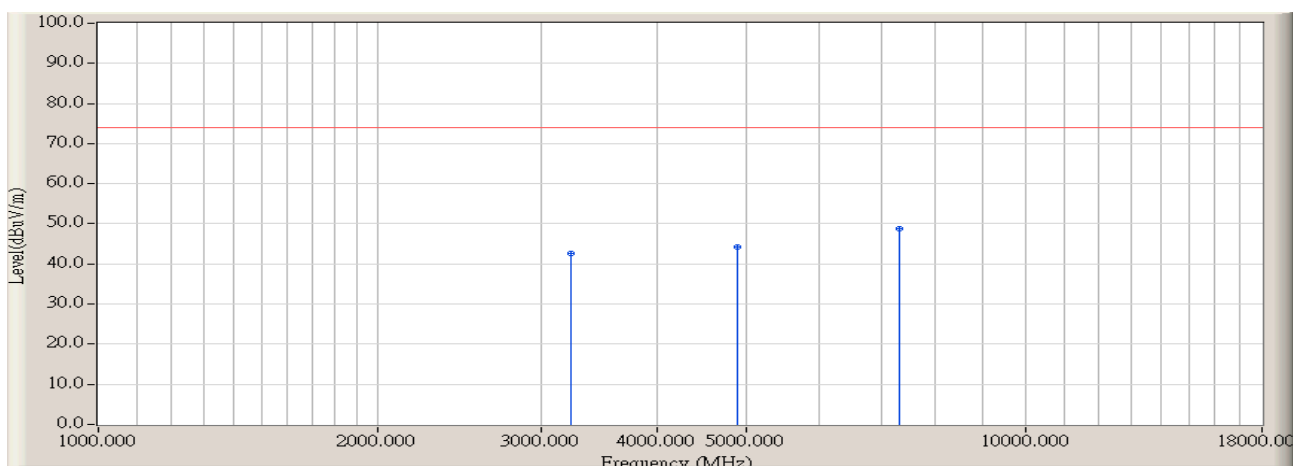


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3210.000	-1.490	43.200	41.710	-12.260	53.970	AVERAGE	100.000	82.000
2		4825.000	3.610	41.800	45.410	-8.560	53.970	AVERAGE	106.000	92.000
3	*	7205.000	12.290	35.800	48.090	-5.880	53.970	AVERAGE	112.000	174.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:11
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

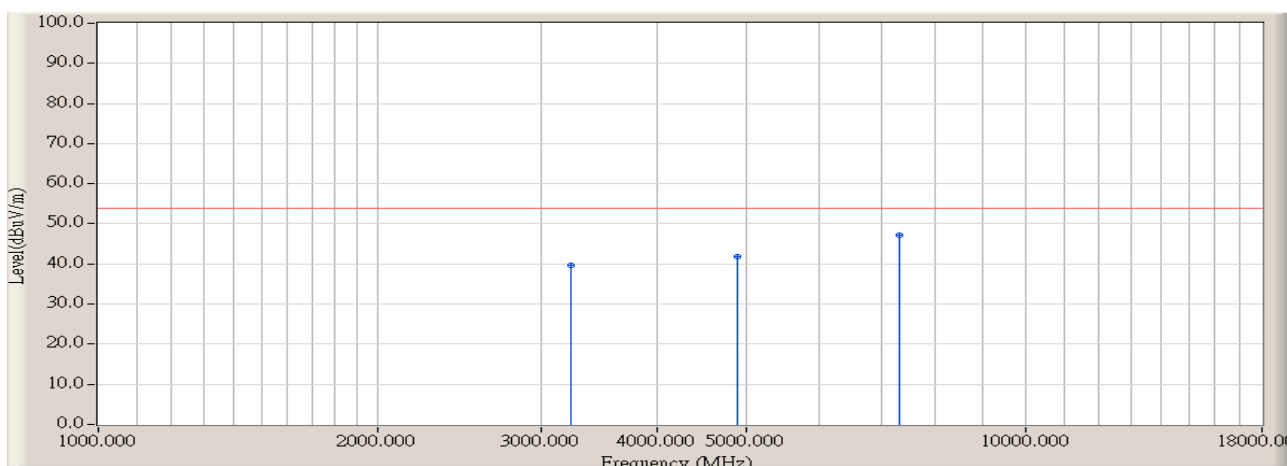


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	44.467	42.724	-31.246	73.970	PEAK	134.000	66.000
2		4881.000	3.633	40.586	44.219	-29.751	73.970	PEAK	142.000	81.000
3	*	7318.000	12.017	36.821	48.838	-25.132	73.970	PEAK	172.000	167.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:11
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

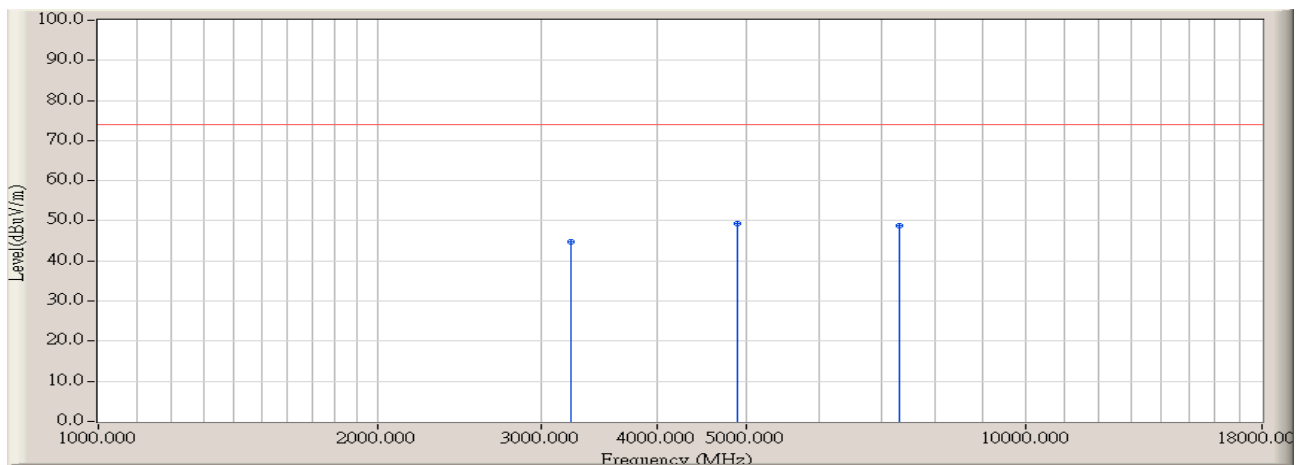


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	41.500	39.757	-14.213	53.970	AVERAGE	134.000	66.000
2		4881.000	3.633	38.200	41.833	-12.137	53.970	AVERAGE	142.000	81.000
3	*	7318.000	12.017	35.100	47.117	-6.853	53.970	AVERAGE	172.000	167.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:12
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

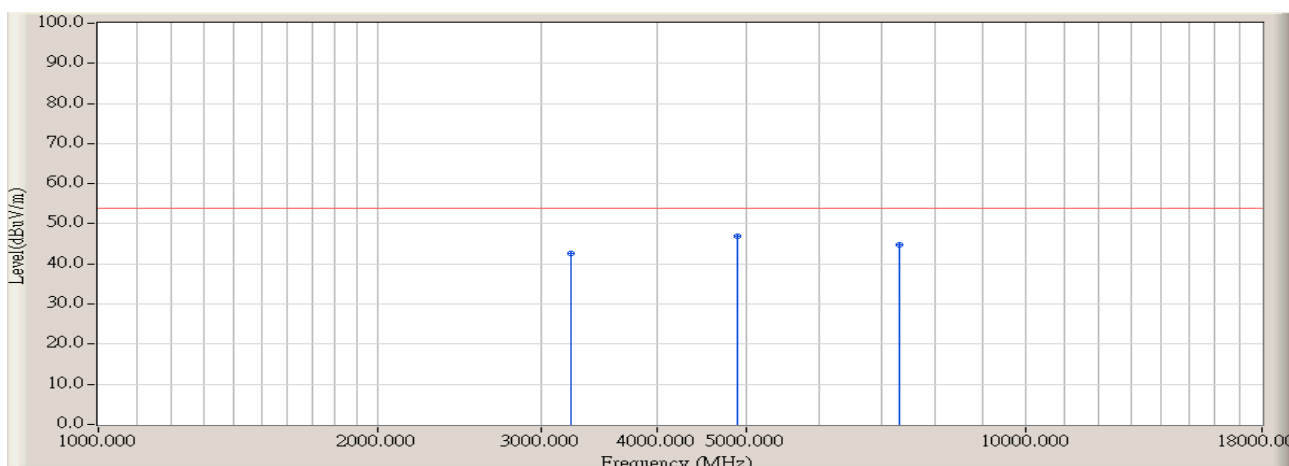


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	46.577	44.834	-29.136	73.970	PEAK	102.000	95.000
2	*	4881.000	3.633	45.735	49.368	-24.602	73.970	PEAK	110.000	82.000
3		7318.000	12.017	36.708	48.725	-25.245	73.970	PEAK	100.000	328.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:12
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2437MHz)

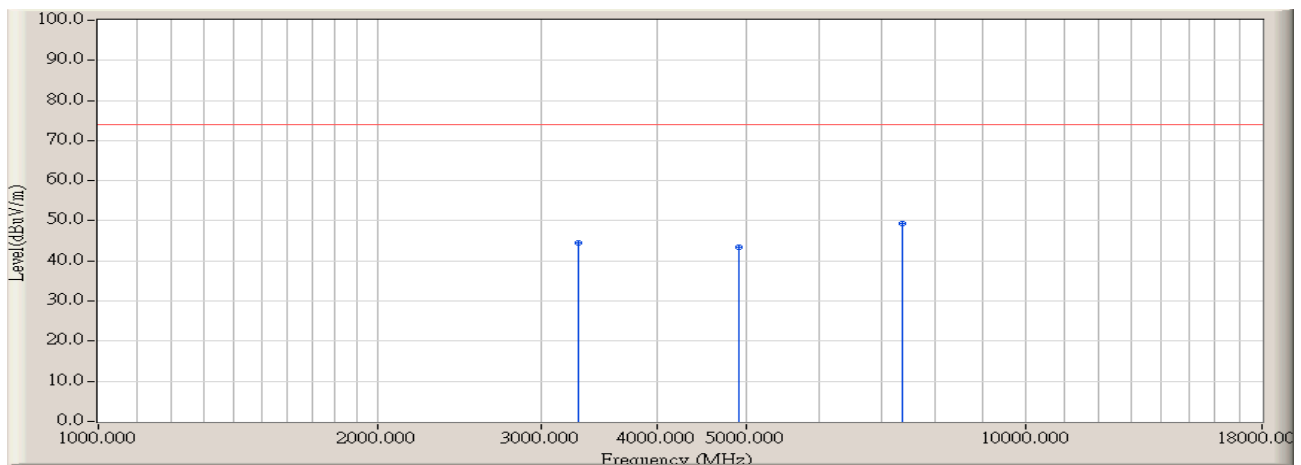


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3238.000	-1.743	44.300	42.557	-11.413	53.970	AVERAGE	102.000	95.000
2	*	4881.000	3.633	43.200	46.833	-7.137	53.970	AVERAGE	110.000	82.000
3		7318.000	12.017	32.800	44.817	-9.153	53.970	AVERAGE	100.000	328.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:21
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

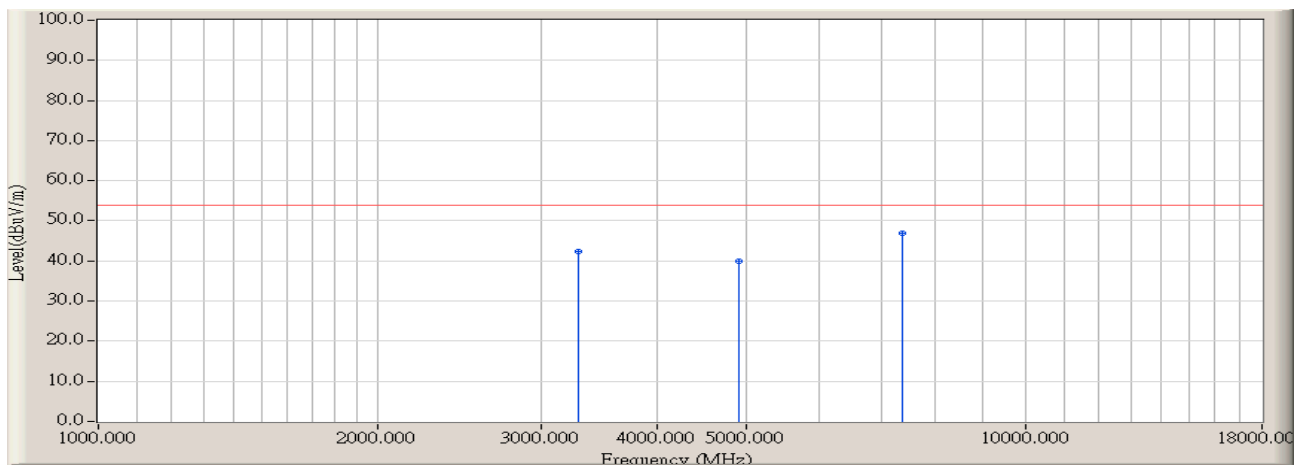


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3295.000	-1.720	46.158	44.438	-29.532	73.970	PEAK	132.000	82.000
2		4910.000	3.720	39.761	43.481	-30.489	73.970	PEAK	142.000	63.000
3	*	7375.000	11.650	37.731	49.381	-24.589	73.970	PEAK	166.000	134.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:21
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

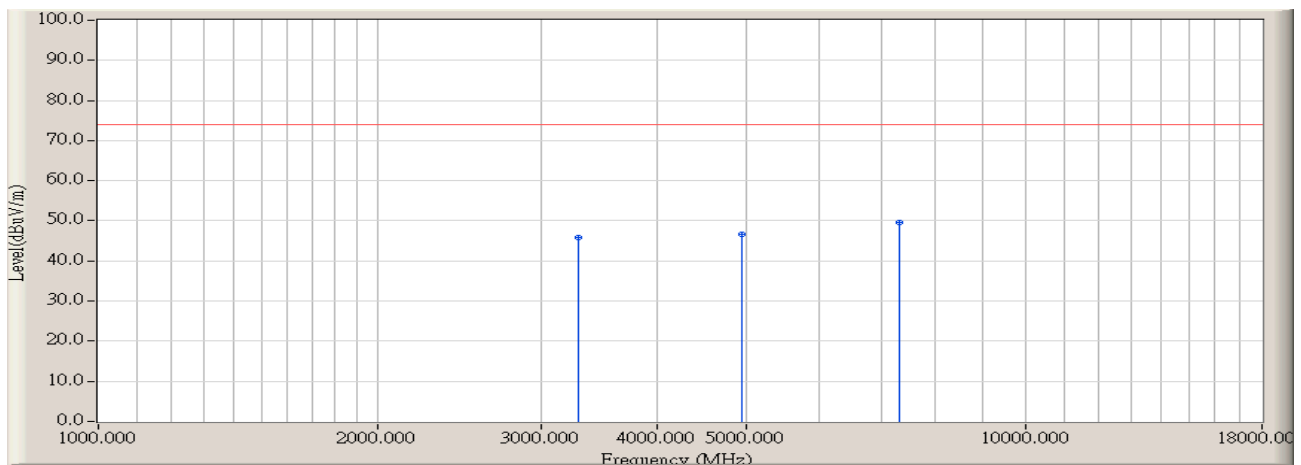


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3295.000	-1.720	44.200	42.480	-11.490	53.970	AVERAGE	132.000	82.000
2		4910.000	3.720	36.200	39.920	-14.050	53.970	AVERAGE	142.000	63.000
3	*	7375.000	11.650	35.200	46.850	-7.120	53.970	AVERAGE	166.000	134.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:22
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

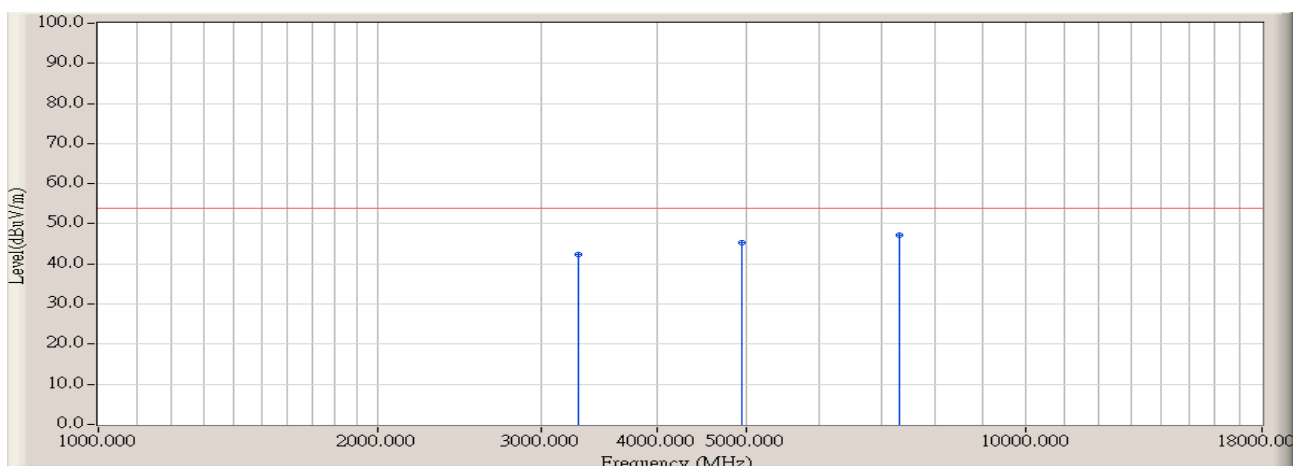


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type	Ant Pos (cm)	Table Pos (deg)
1		3295.000	-1.720	47.511	45.791	-28.179	73.970	PEAK	107.000	85.000
2		4938.000	4.046	42.592	46.639	-27.331	73.970	PEAK	100.000	104.000
3	*	7318.000	12.017	37.562	49.579	-24.391	73.970	PEAK	104.000	326.000

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:22
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)



		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		3295.000	-1.720	44.200	42.480	-11.490	53.970	AVERAGE	107.000	85.000
2		4938.000	4.046	41.200	45.247	-8.723	53.970	AVERAGE	100.000	104.000
3	*	7318.000	12.017	35.300	47.317	-6.653	53.970	AVERAGE	104.000	326.000

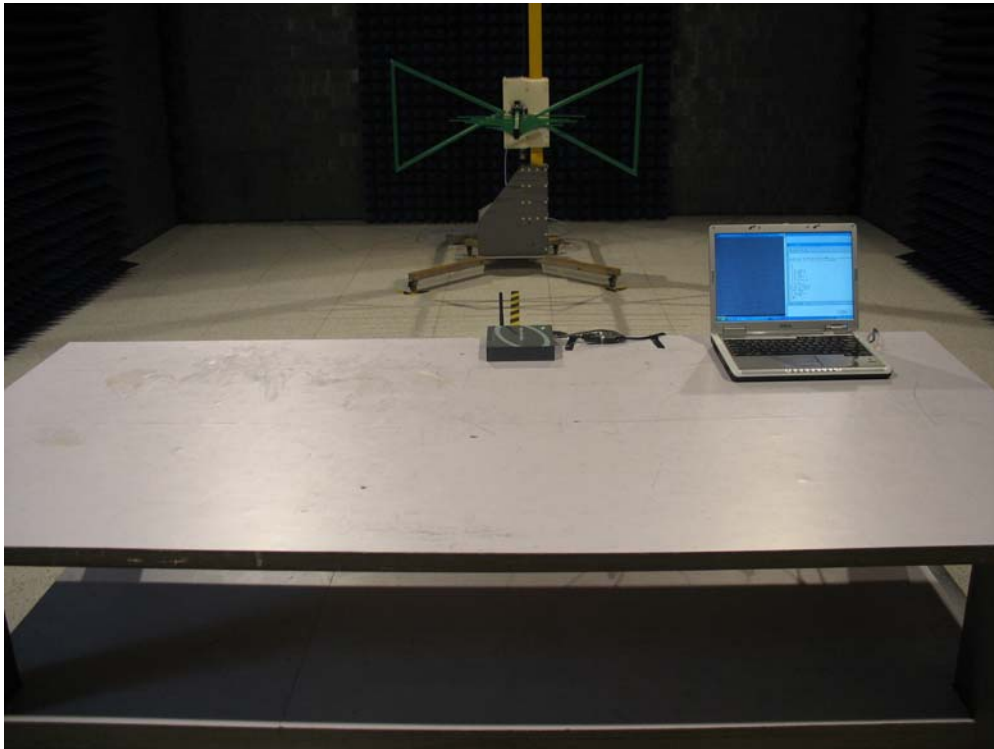
Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

4.7. Test Photograph

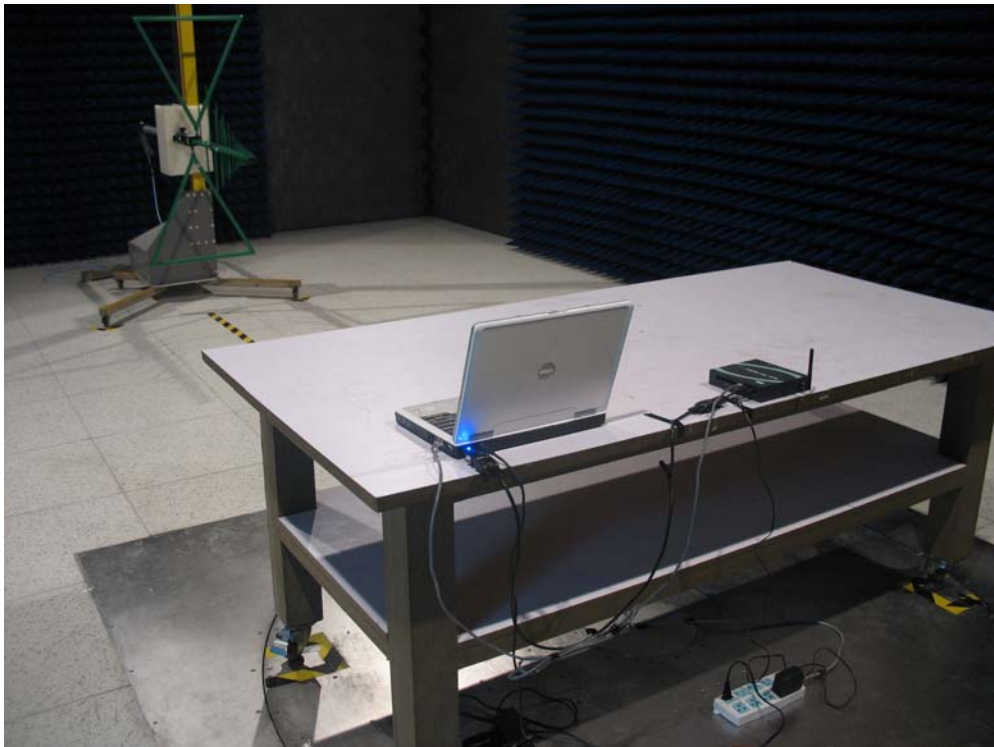
Test Mode : Mode 1: Transmit by 802.11b

Description : Front View of Radiated Emission Test Setup for Under 1GHz



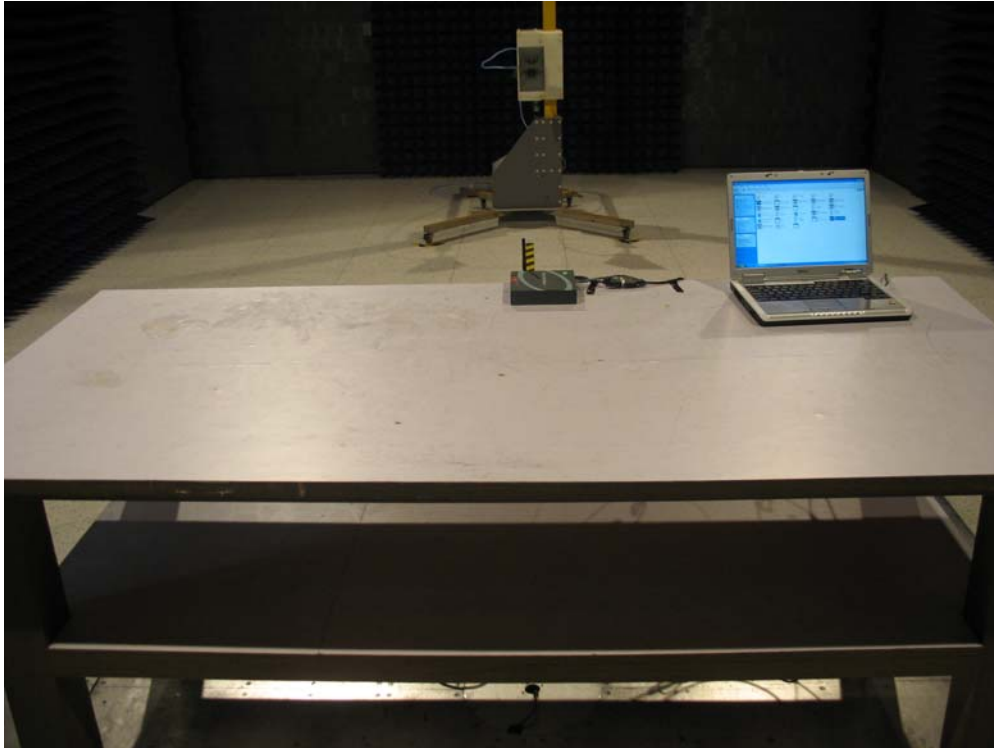
Test Mode : Mode 1: Transmit by 802.11b

Description : Back View of Radiated Emission Test Setup for Under 1GHz



Test Mode : Mode 1: Transmit by 802.11b

Description : Front View of Radiated Emission Test Setup for Above 1GHz



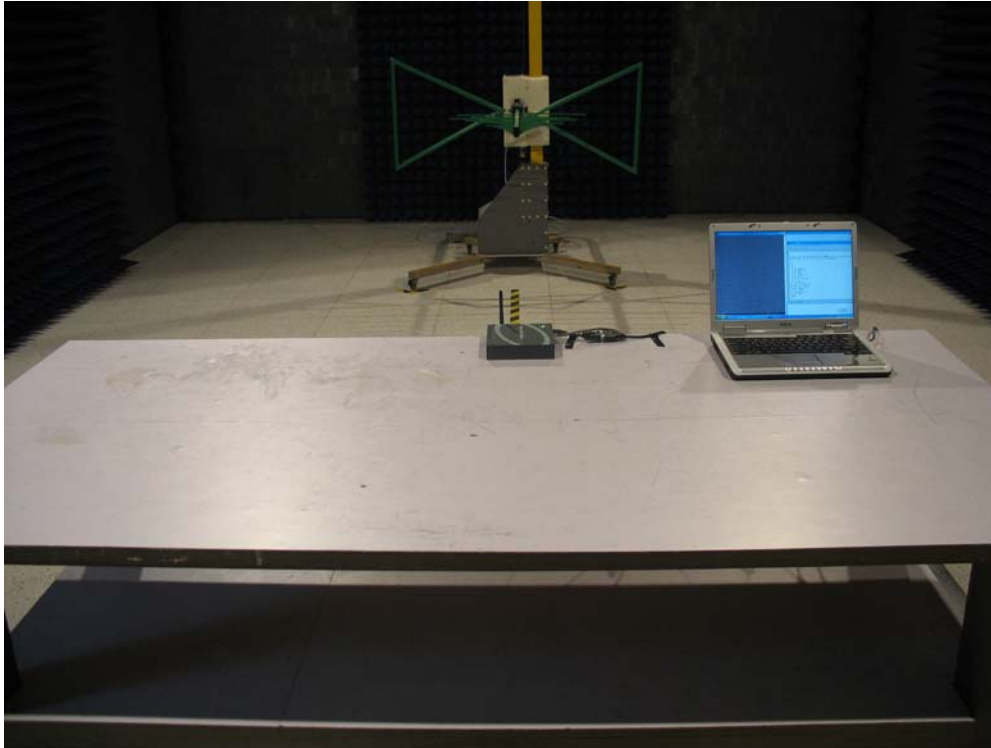
Test Mode : Mode 1: Transmit by 802.11b

Description : Back View of Radiated Emission Test Setup for Above 1GHz



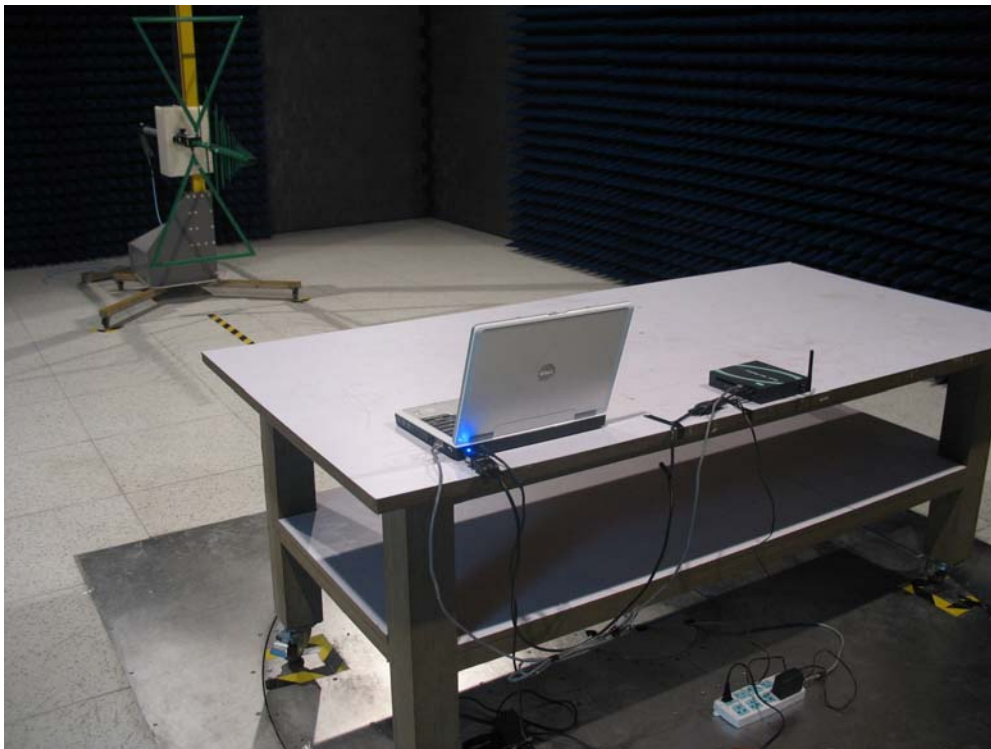
Test Mode : Mode 2: Transmit by 802.11g

Description : Front View of Radiated Emission Test Setup for Under 1GHz



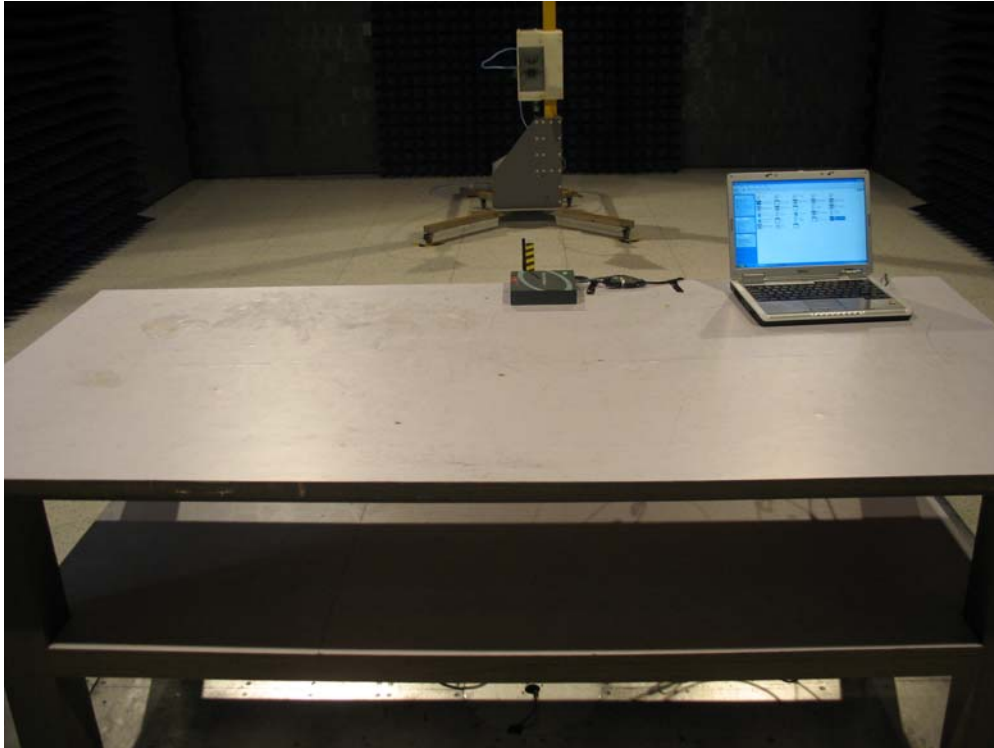
Test Mode : Mode 2: Transmit by 802.11g

Description : Back View of Radiated Emission Test Setup for Under 1GHz



Test Mode : Mode 2: Transmit by 802.11g

Description : Front View of Radiated Emission Test Setup for Above 1GHz



Test Mode : Mode 2: Transmit by 802.11g

Description : Back View of Radiated Emission Test Setup for Above 1GHz



5. RF Antenna Conducted Spurious

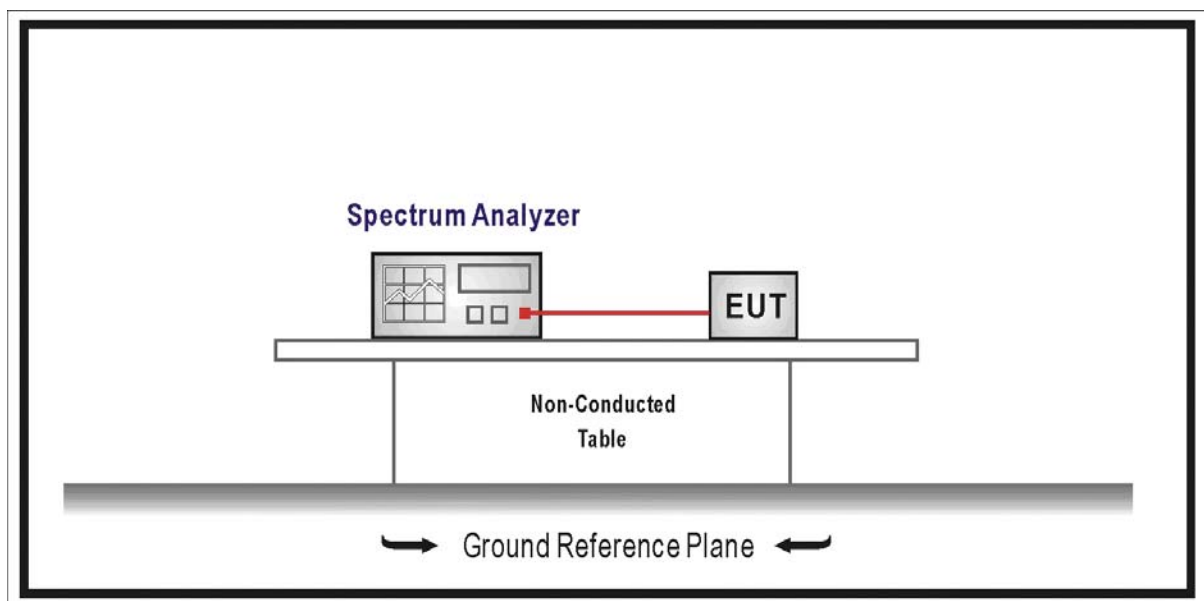
5.1. Test Equipment

RF Antenna Conducted Spurious / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2007/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2007/11/30

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

5.2. Test Setup



5.3. Limit

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.

5.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

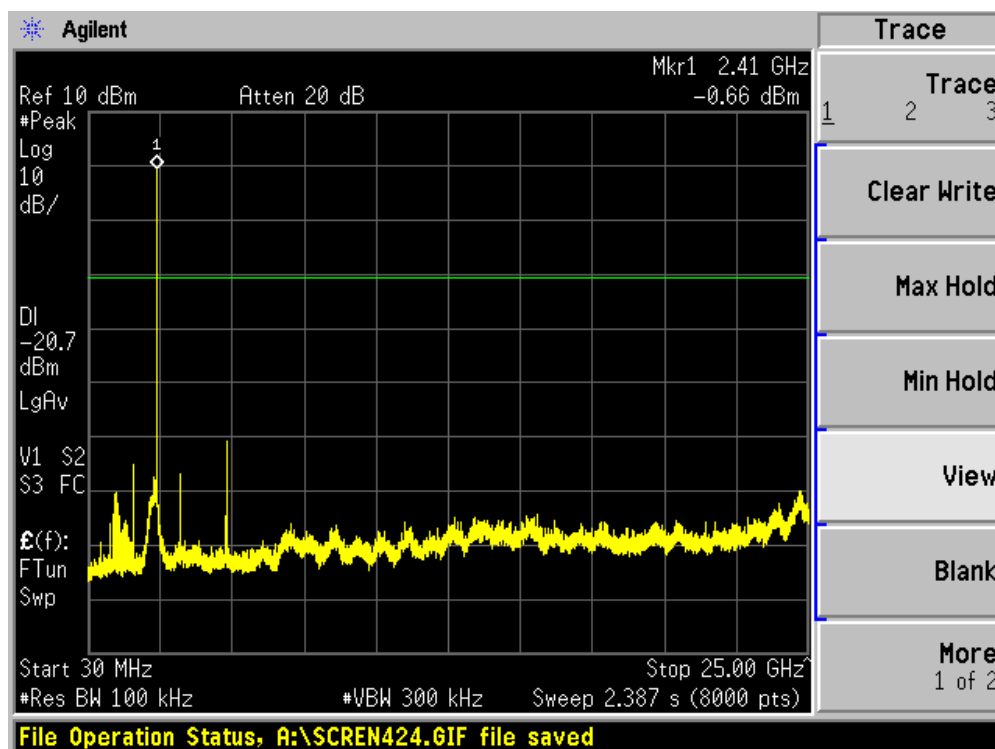
5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

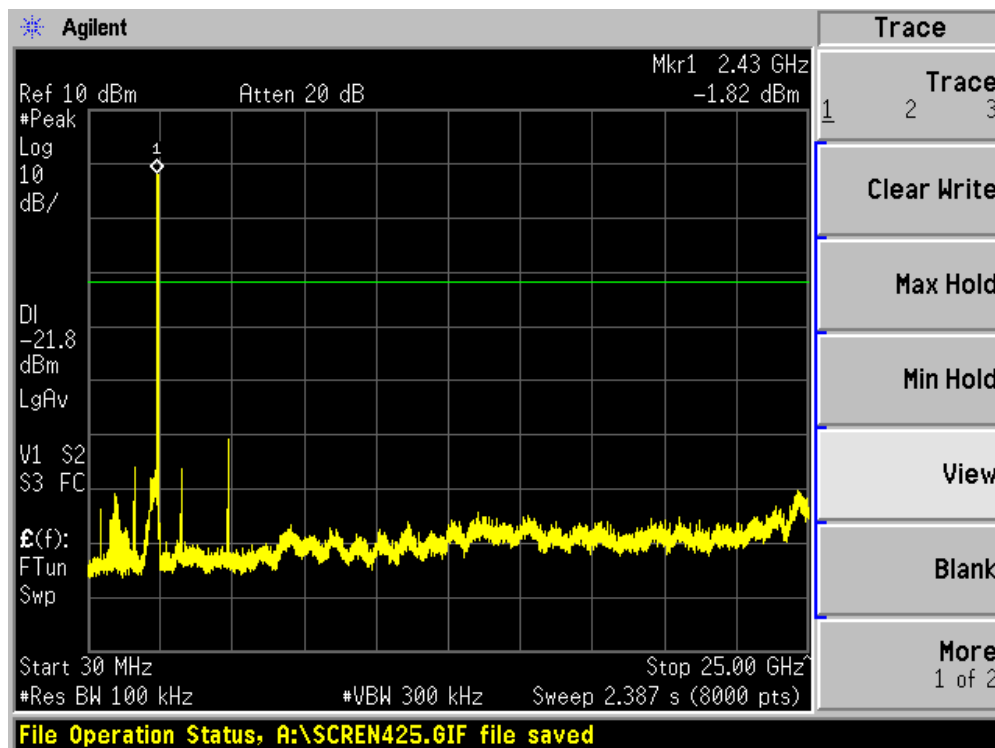
5.6. Test Result

Product	:	Digi Wi-Point 3G
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

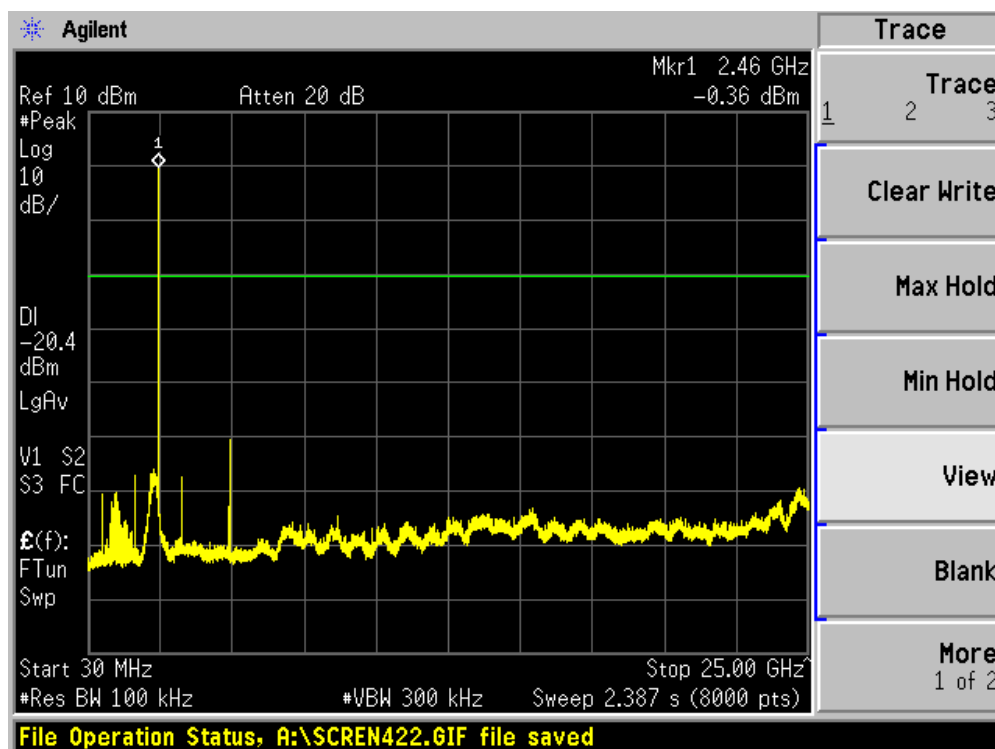
Channel 01 (2412MHz)



Channel 06 (2437MHz)

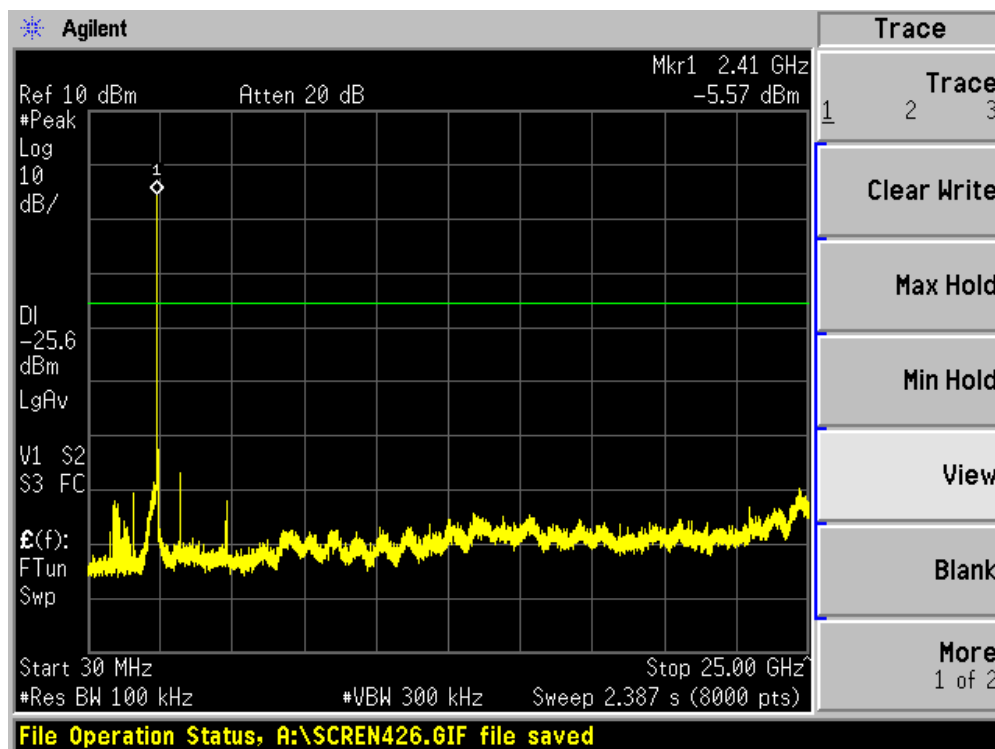


Channel 11 (2462MHz)

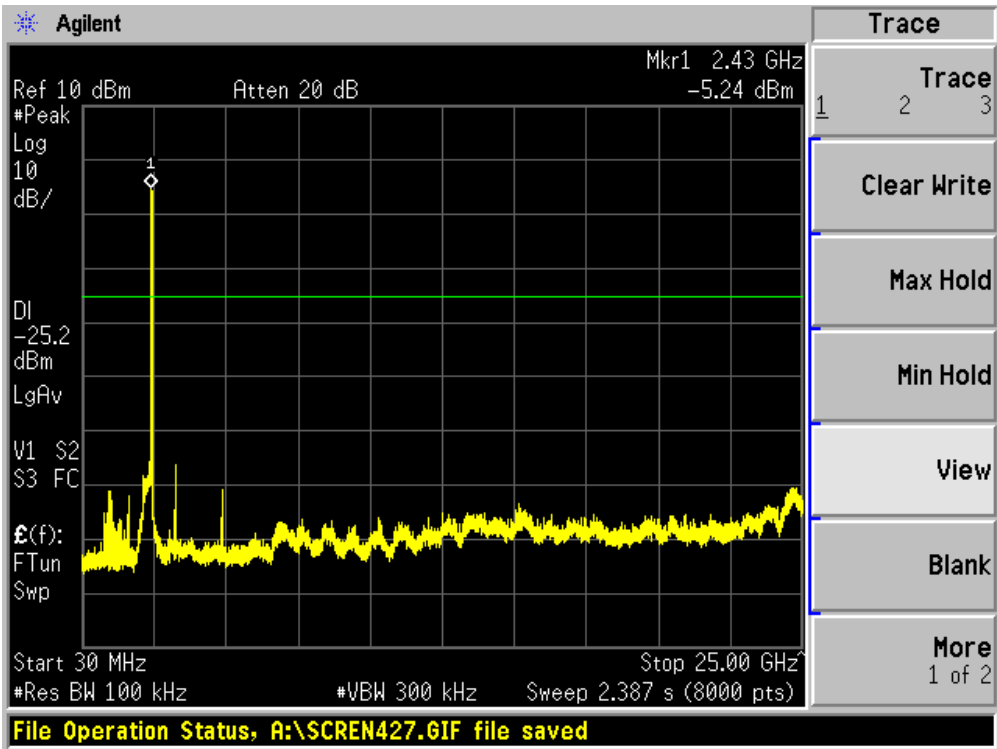


Product	:	Digi Wi-Point 3G
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

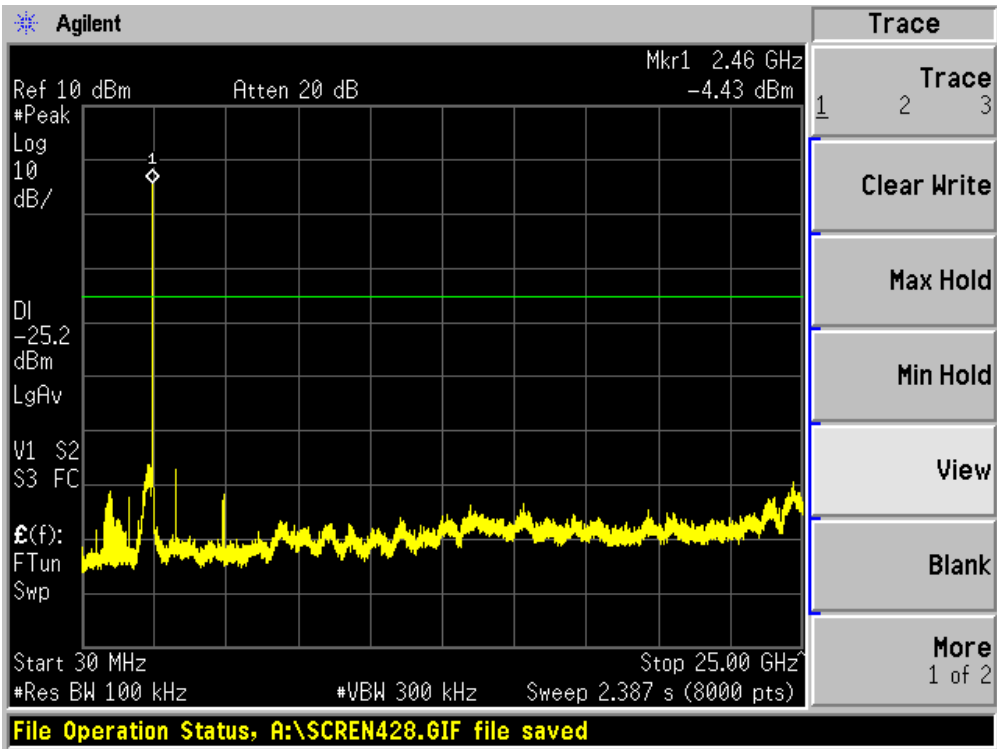
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



6. Radiated Emission Band Edge

6.1. Test Equipment

☐ Radiated Emission Band Edge / AC-2

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4408B	MY45102679	2007/11/12
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	04	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH002	2007/03/31

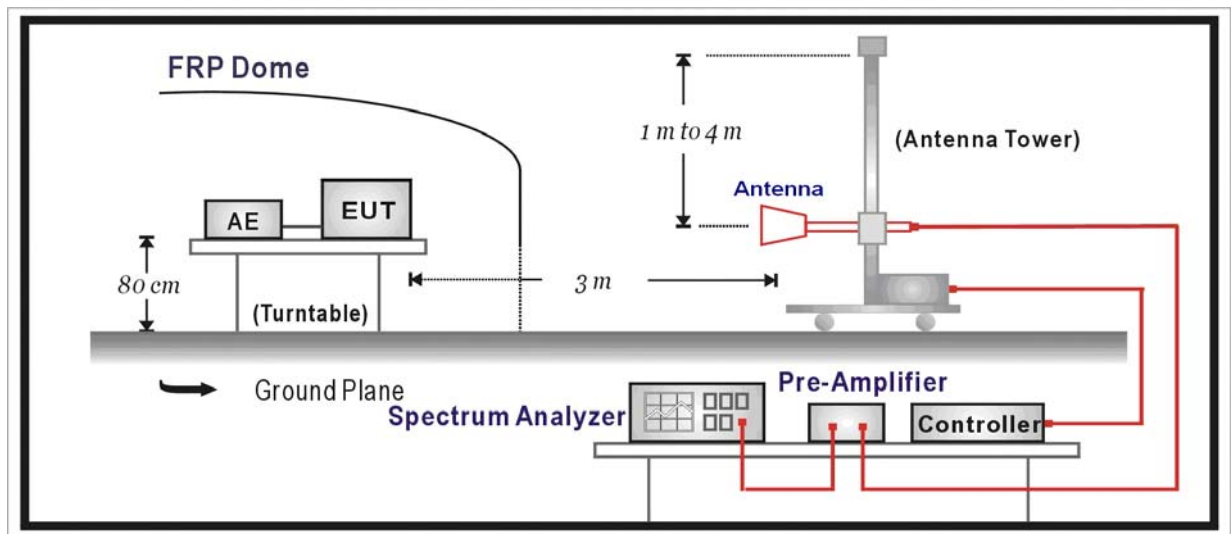
☒ Radiated Emission Band Edge / AC-3

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4408B	MY45102679	2007/11/12
Preamplifier	Quietek	AP-180C	CHM-0602012	2007/11/25
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	496	2007/11/25
Coaxial Cable	Huber+Suhner	AC2-C	05	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH003	2007/03/31

Note 1: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Note 2: The test instruments marked with "X" are used to measure the final test results.

6.2. Test Setup



6.3. Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

6.4. Test Procedure

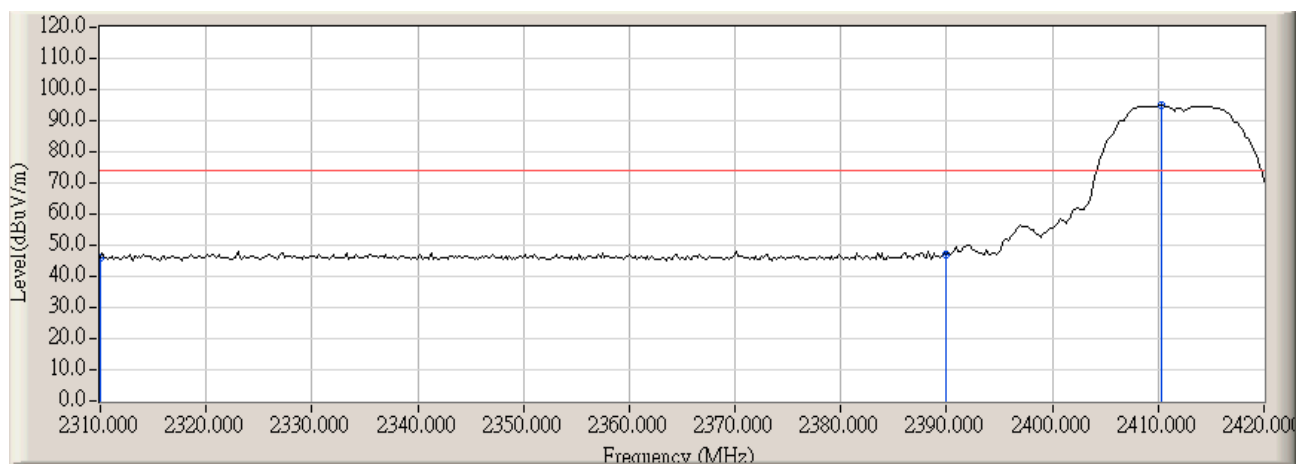
The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

6.5. Uncertainty

The measurement uncertainty above 1G is defined as ± 3.9 dB

6.6. Test Result

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:28
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

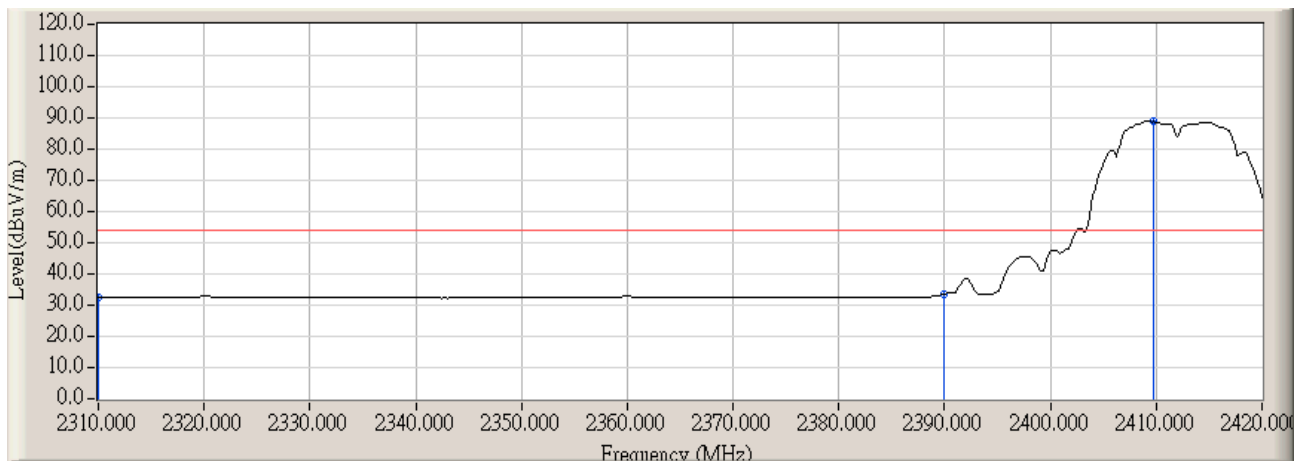


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	49.215	45.954	-28.016	73.970	PEAK
2		2390.000	-3.202	50.337	47.135	-26.835	73.970	PEAK
3	*	2410.283	-3.210	97.996	94.787	N/A	N/A	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:30
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

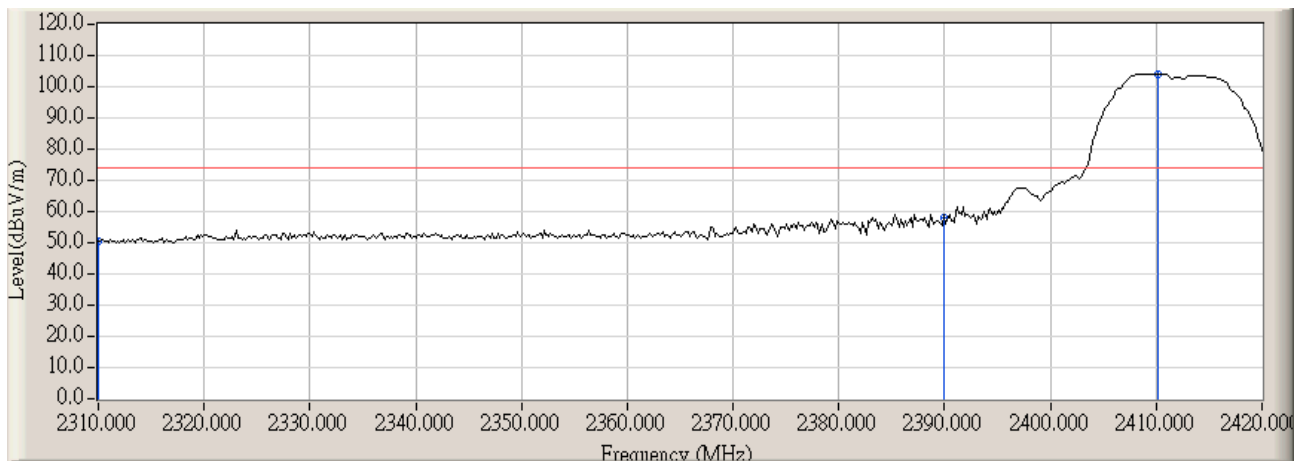


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	35.936	32.675	-21.295	53.970	AVERAGE
2		2390.000	-3.202	36.765	33.563	-20.407	53.970	AVERAGE
3	*	2409.733	-3.208	91.985	88.776	N/A	N/A	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:33
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

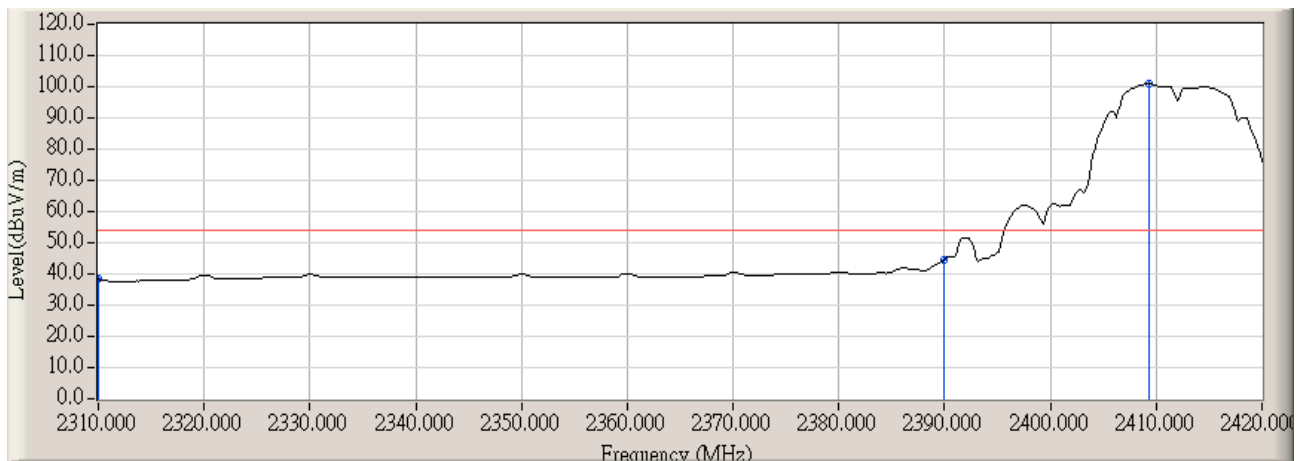


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	53.586	50.325	-23.645	73.970	PEAK
2		2390.000	-3.202	61.045	57.843	-16.127	73.970	PEAK
3	*	2410.100	-3.208	107.433	104.224	N/A	N/A	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:36
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2412MHz)

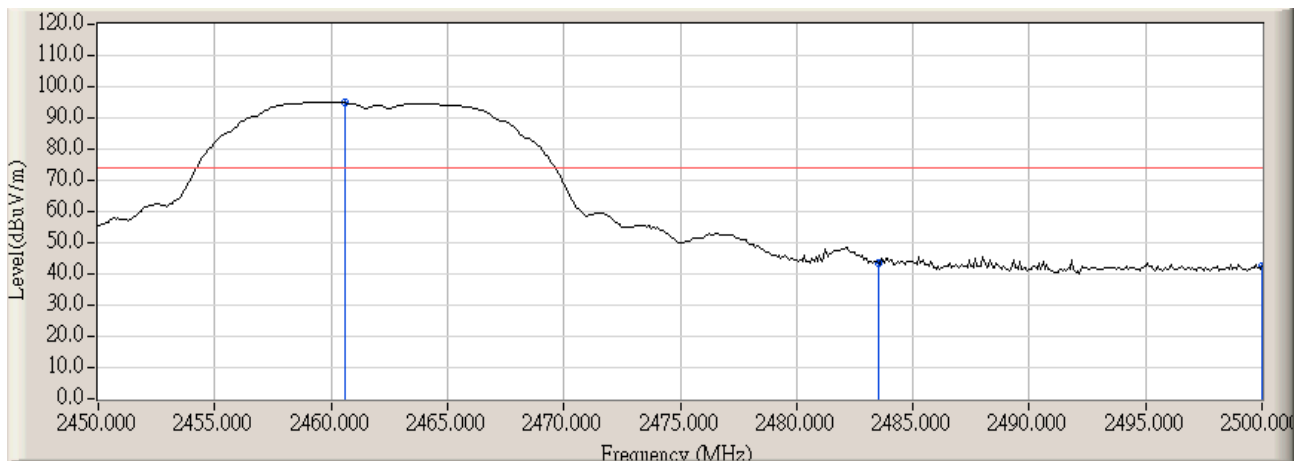


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	41.521	38.260	-15.710	53.970	AVERAGE
2		2390.000	-3.202	47.939	44.737	-9.233	53.970	AVERAGE
3	*	2409.367	-3.208	103.995	100.787	N/A	N/A	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:39
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

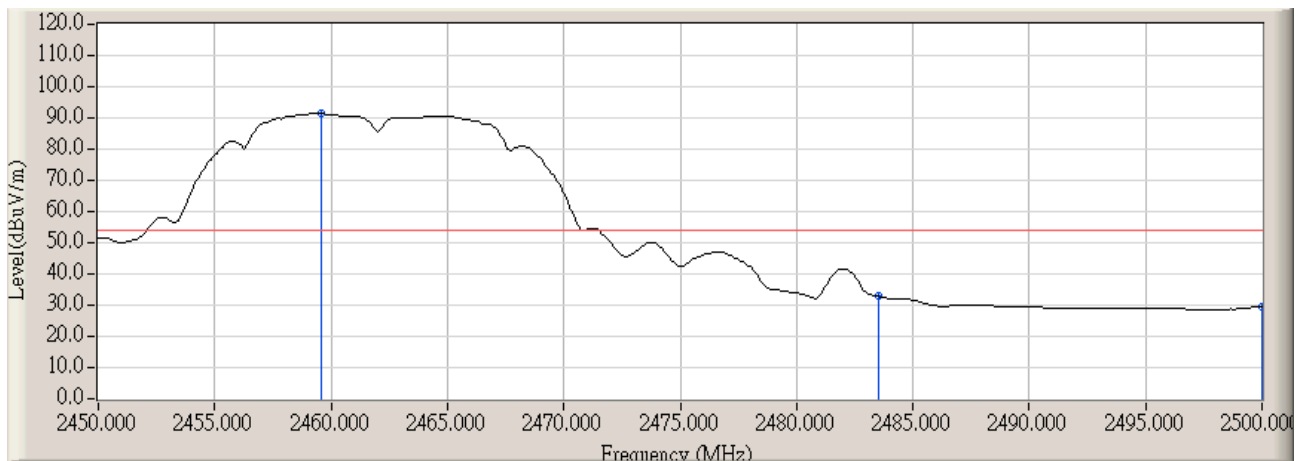


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.583	-3.264	98.035	94.772	N/A	N/A	PEAK
2		2483.500	-3.177	46.838	43.661	-30.309	73.970	PEAK
3		2500.000	-3.135	45.715	42.580	-31.390	73.970	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:43
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

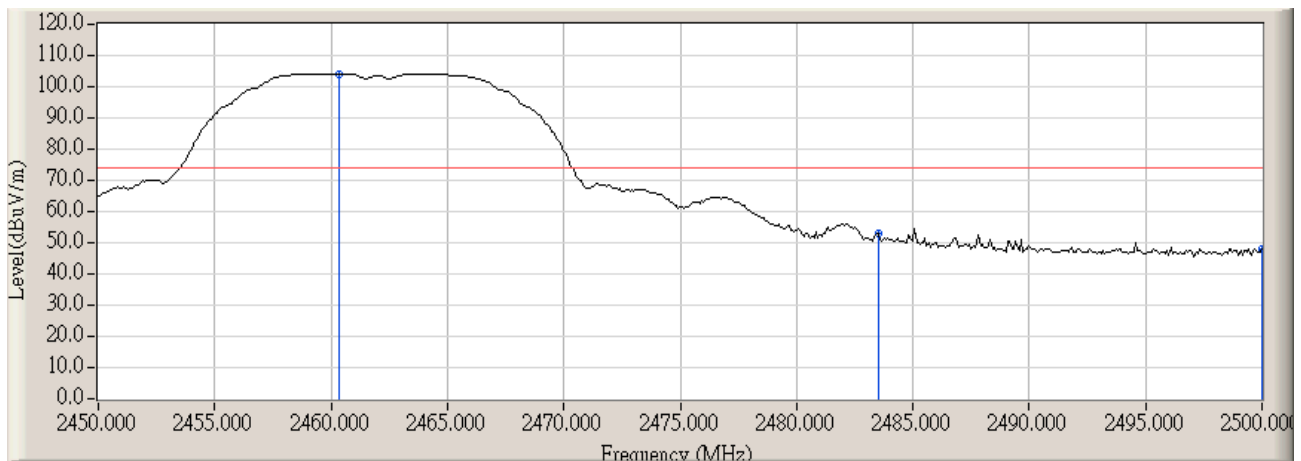


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.583	-3.265	94.570	91.304	N/A	N/A	AVERAGE
2		2483.500	-3.177	35.991	32.814	-21.156	53.970	AVERAGE
3		2500.000	-3.135	32.774	29.639	-24.331	53.970	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:47
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

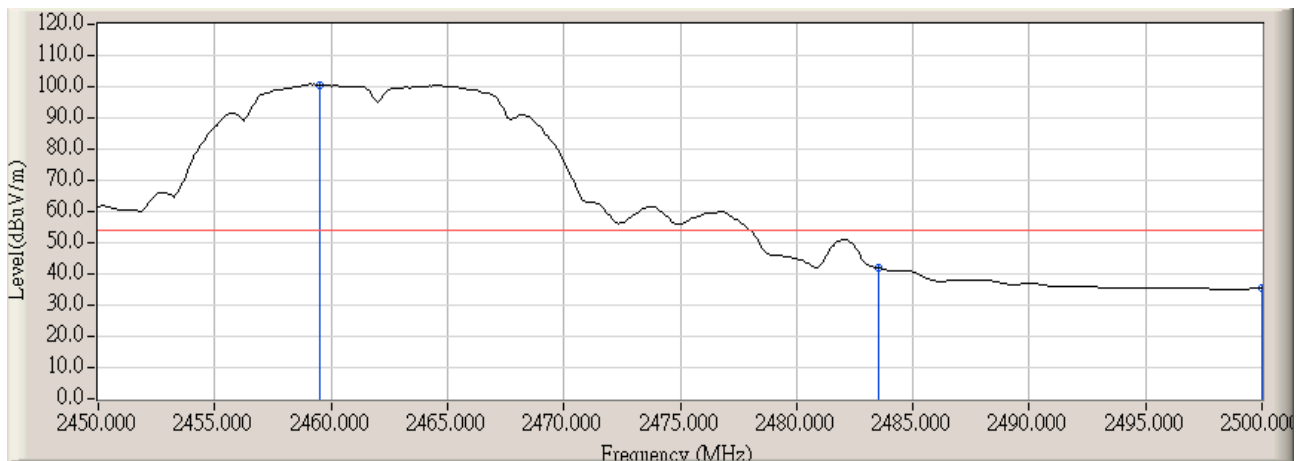


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.333	-3.264	107.508	104.244	N/A	N/A	PEAK
2		2483.500	-3.177	56.099	52.922	-21.048	73.970	PEAK
3		2500.000	-3.135	51.370	48.235	-25.735	73.970	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:50
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 1: Transmit by 802.11b (2462MHz)

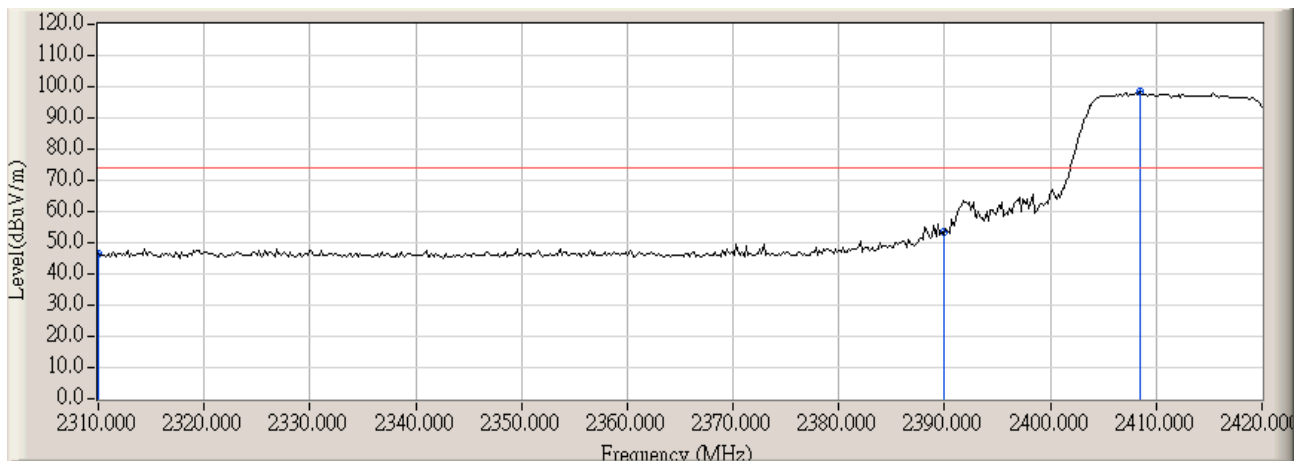


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.500	-3.265	103.791	100.525	N/A	N/A	AVERAGE
2		2483.500	-3.177	45.110	41.933	-12.037	53.970	AVERAGE
3		2500.000	-3.135	38.577	35.442	-18.528	53.970	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:55
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

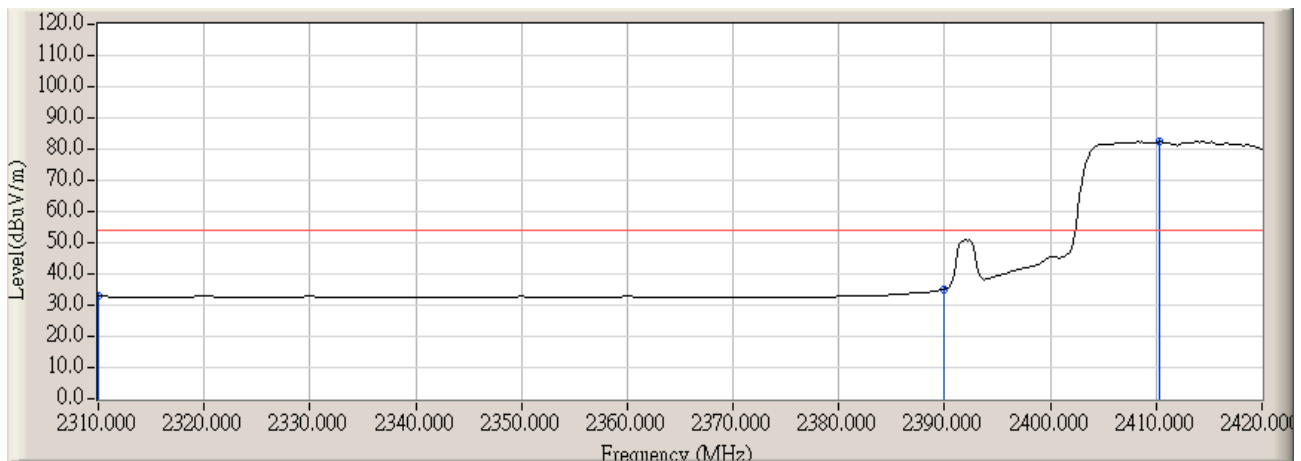


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	49.523	46.262	-27.708	73.970	PEAK
2		2390.000	-3.202	56.483	53.281	-20.689	73.970	PEAK
3	*	2408.450	-3.206	101.563	98.356	N/A	N/A	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 14:57
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

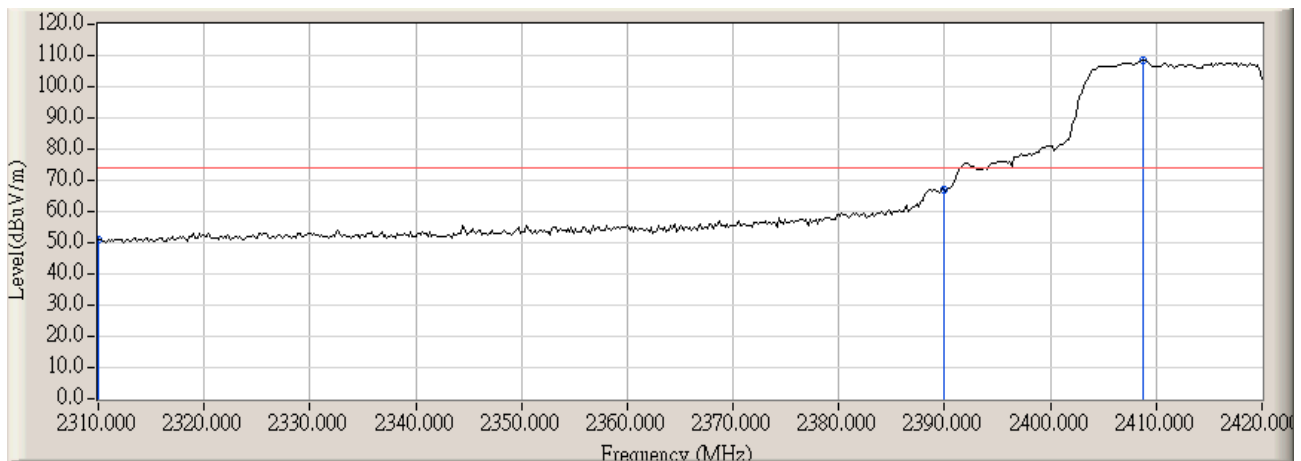


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	36.210	32.949	-21.021	53.970	AVERAGE
2		2390.000	-3.202	38.383	35.181	-18.789	53.970	AVERAGE
3	*	2410.283	-3.210	85.638	82.429	N/A	N/A	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 15:00
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

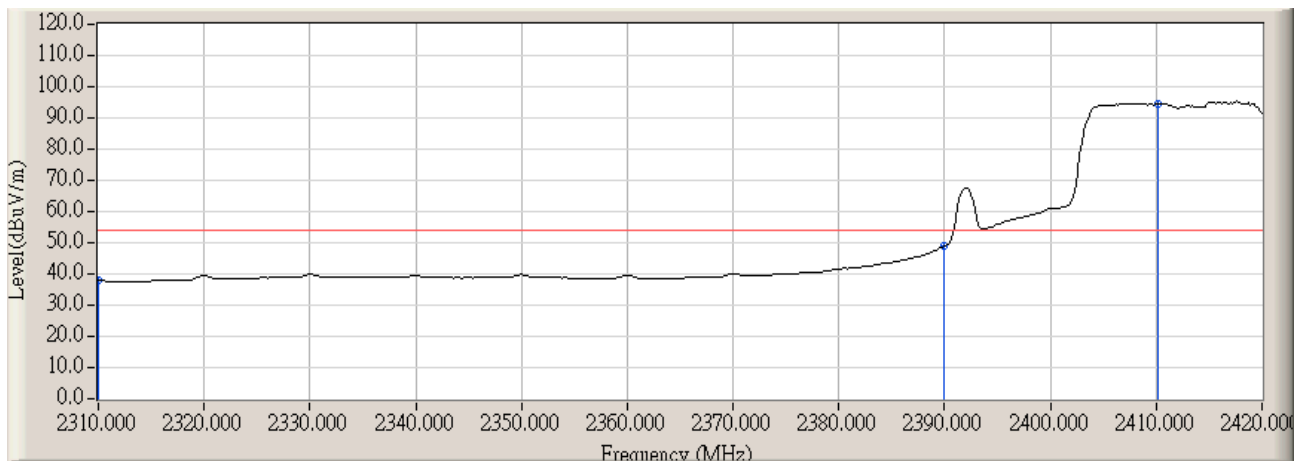


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	54.323	51.062	-22.908	73.970	PEAK
2		2390.000	-3.202	69.976	66.774	-7.196	73.970	PEAK
3	*	2408.817	-3.208	111.540	108.333	N/A	N/A	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 15:03
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2412MHz)

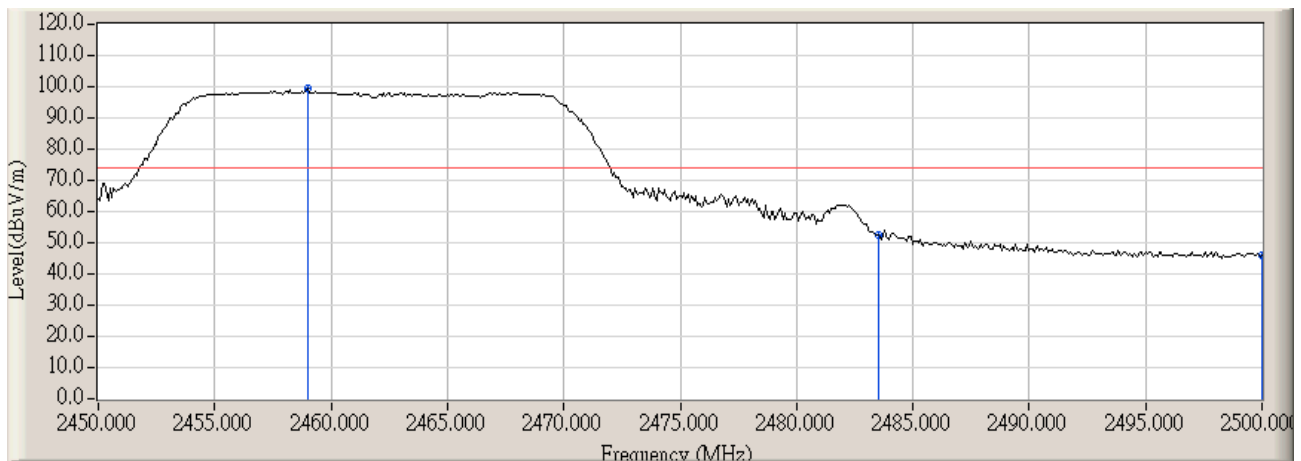


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	-3.262	41.442	38.181	-15.789	53.970	AVERAGE
2		2390.000	-3.202	52.194	48.992	-4.978	53.970	AVERAGE
3	*	2410.100	-3.208	97.530	94.321	N/A	N/A	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 15:09
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

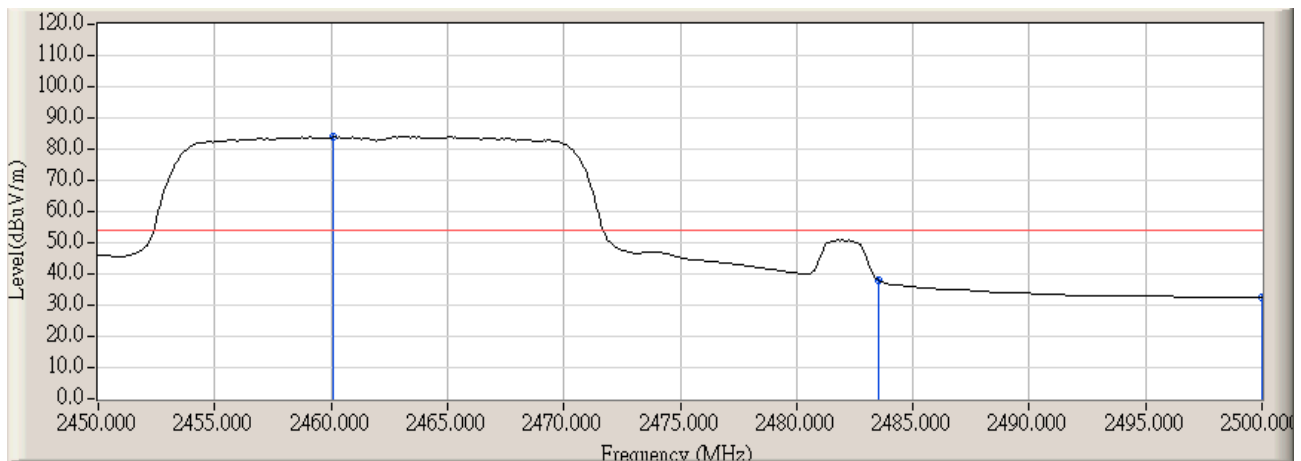


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.000	-3.267	102.656	99.389	N/A	N/A	PEAK
2		2483.500	-3.177	55.670	52.493	-21.477	73.970	PEAK
3		2500.000	-3.135	48.969	45.834	-28.136	73.970	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 15:13
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - HORIZONTAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

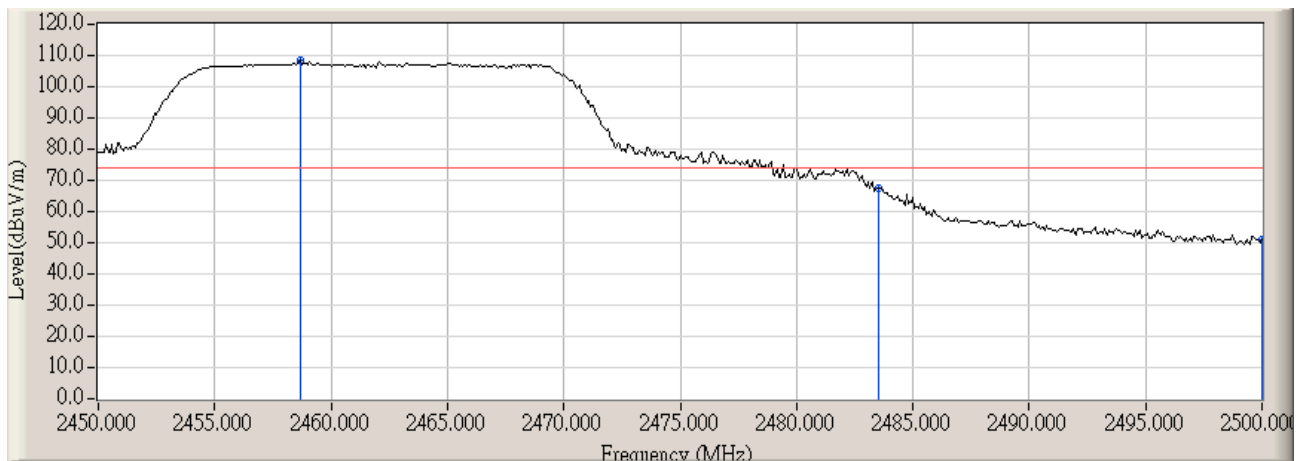


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2460.083	-3.264	87.024	83.759	N/A	N/A	AVERAGE
2		2483.500	-3.177	41.244	38.067	-15.903	53.970	AVERAGE
3		2500.000	-3.135	35.680	32.545	-21.425	53.970	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 15:16
Limit : FCC_SpartC_15.209_03M_PK	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)

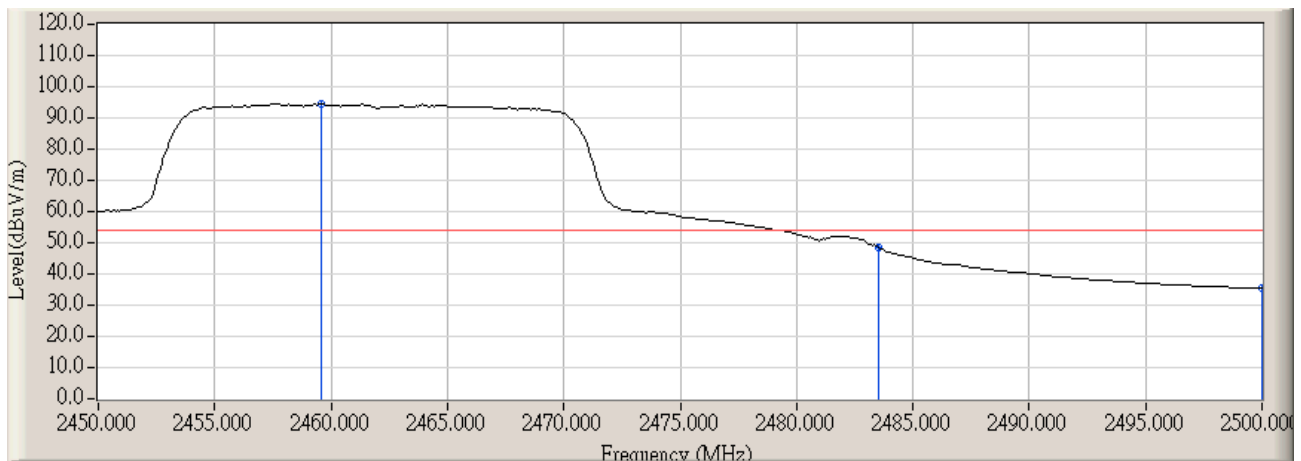


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2458.667	-3.268	111.991	108.723	N/A	N/A	PEAK
2		2483.500	-3.177	70.918	67.741	-6.229	73.970	PEAK
3		2500.000	-3.135	54.106	50.971	-22.999	73.970	PEAK

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Engineer : Marlin	
Site : AC3 (3m Semi-Anechoic Chamber)	Time : 2008/02/13 - 15:19
Limit : FCC_SpartC_15.209_03M_AV	Margin : 0
EUT : Digi Wi-Point 3G	Probe : BBHA9120D_496(1-18GHz) - VERTICAL
Power : AC 120V/60Hz	Note : Mode 2: Transmit by 802.11g (2462MHz)



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2459.583	-3.265	97.576	94.310	N/A	N/A	AVERAGE
2		2483.500	-3.177	51.645	48.468	-5.502	53.970	AVERAGE
3		2500.000	-3.135	38.834	35.699	-18.271	53.970	AVERAGE

Note:

1. All Readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

7. Occupied Bandwidth

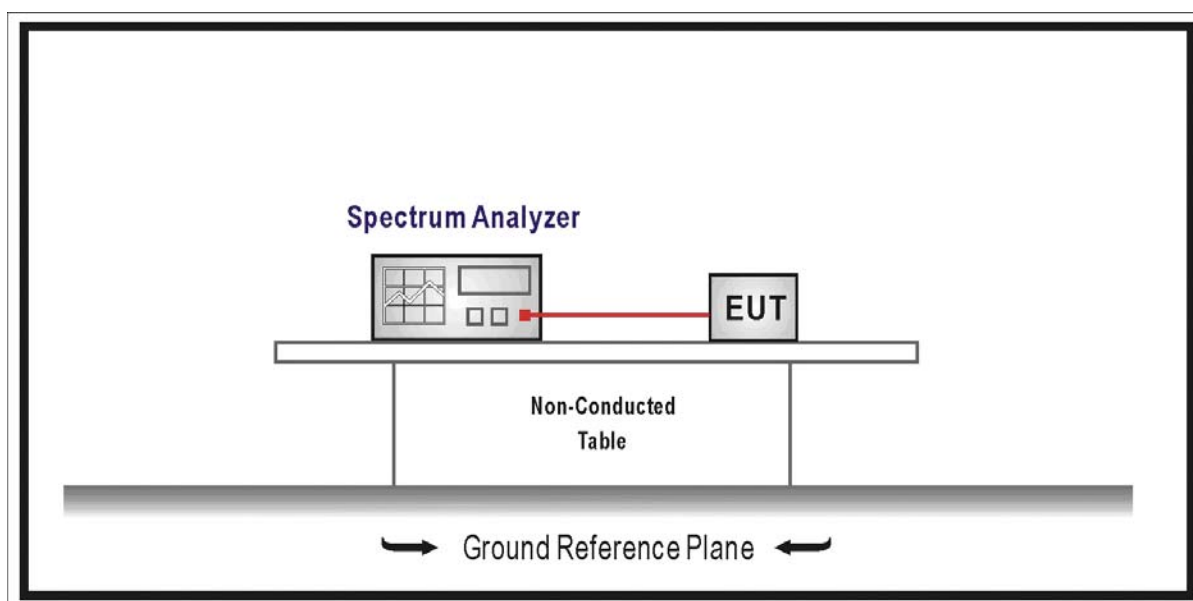
7.1. Test Equipment

Occupied Bandwidth / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2007/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2007/11/30

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

7.2. Test Setup



7.3. Limit

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

7.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Span greater than RBW.

7.5. Uncertainty

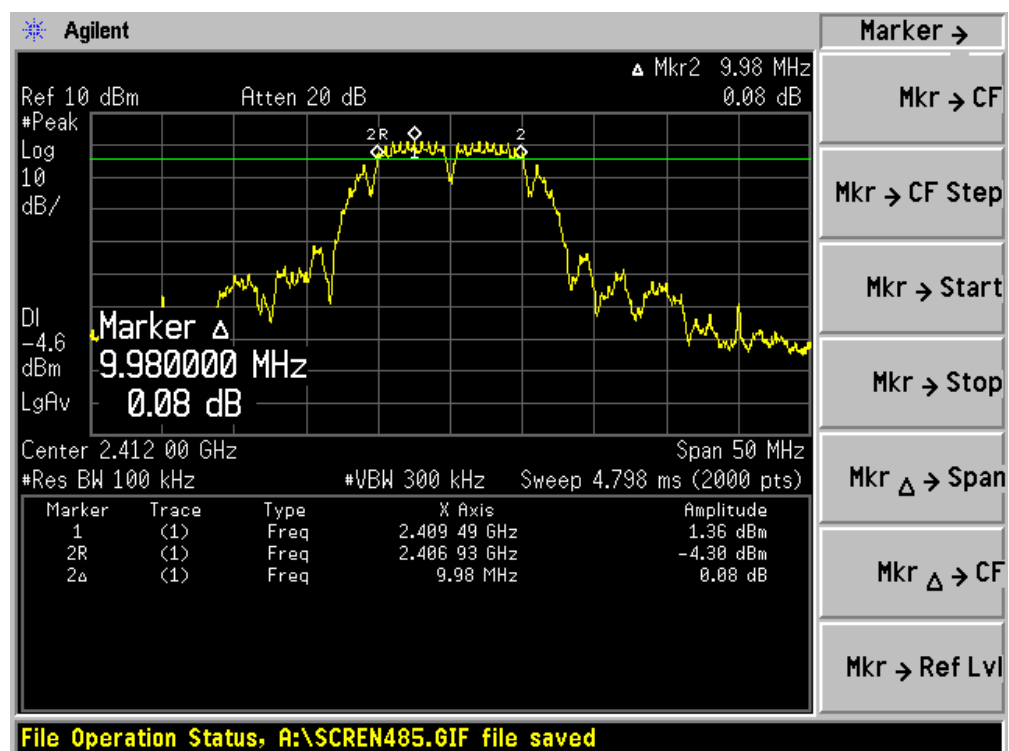
The measurement uncertainty is defined as ± 1 kHz

7.6. Test Result

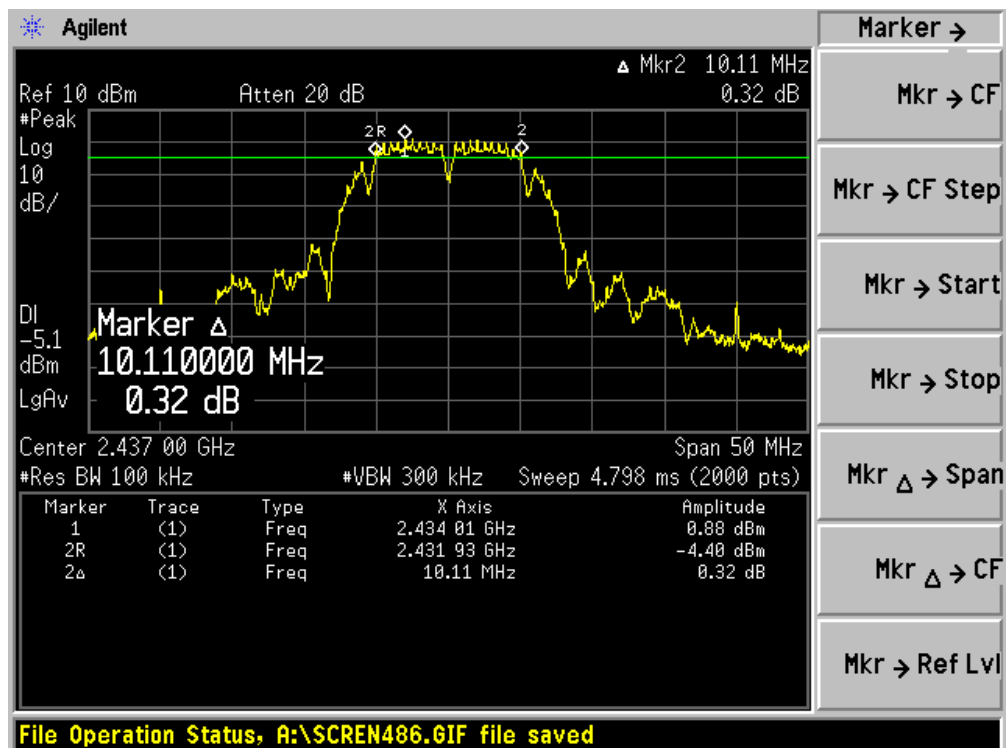
Product	:	Digi Wi-Point 3G
Test Item	:	Occupied Bandwidth
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	9980	500	Pass
06	2437	10110	500	Pass
11	2462	9880	500	Pass

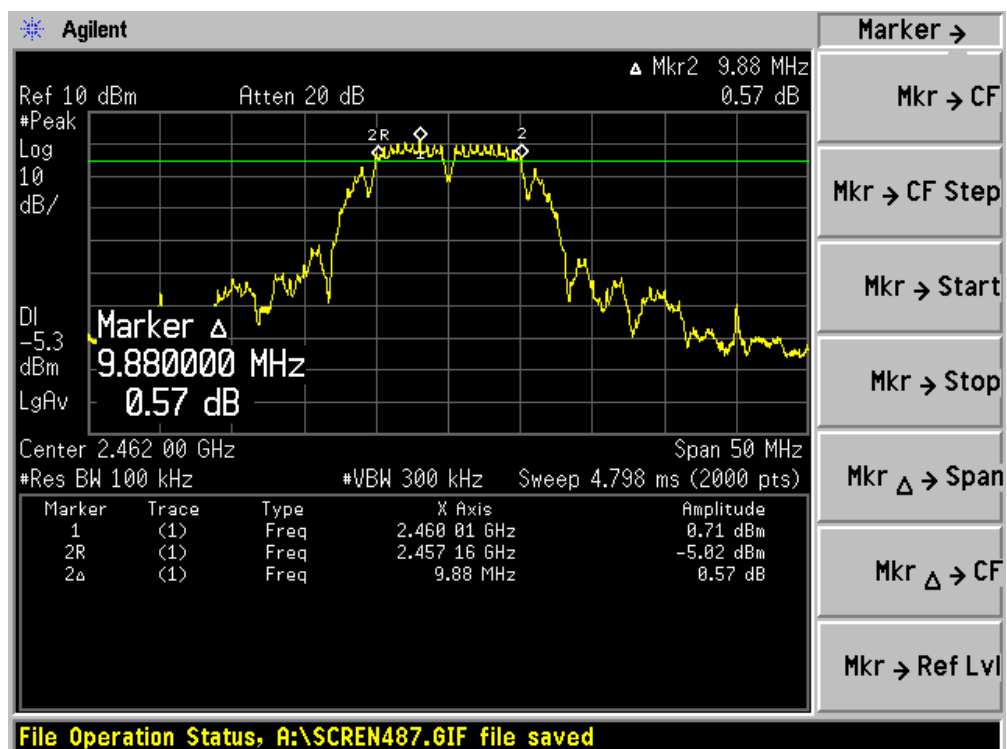
Channel 01 (2412MHz)



Channel 06 (2437MHz)



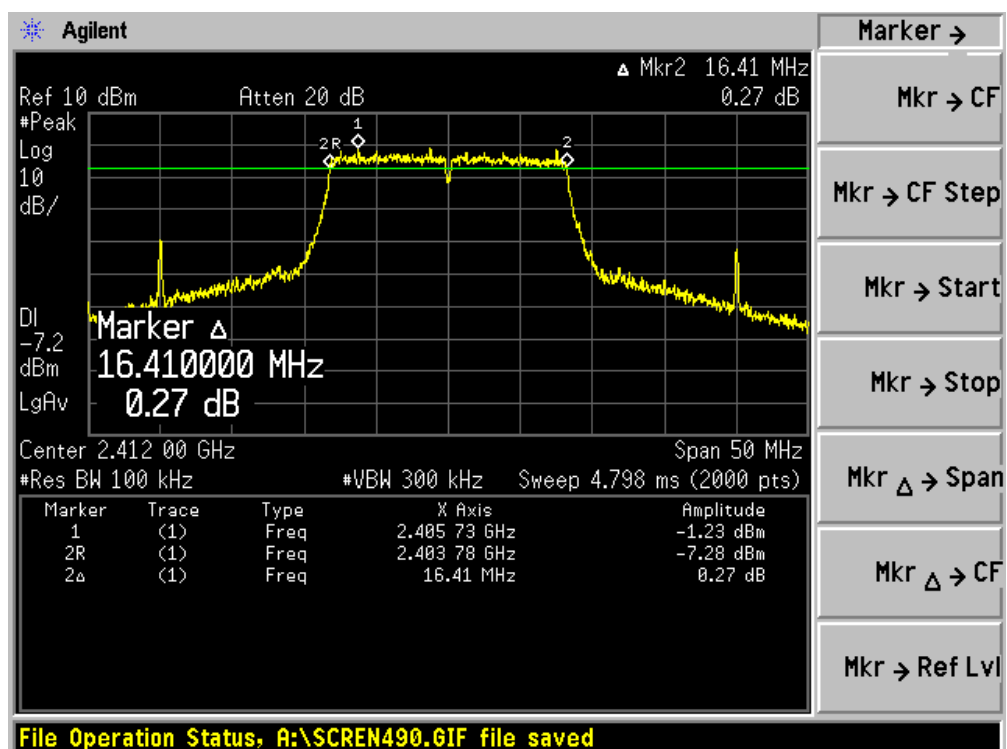
Channel 11 (2462MHz)



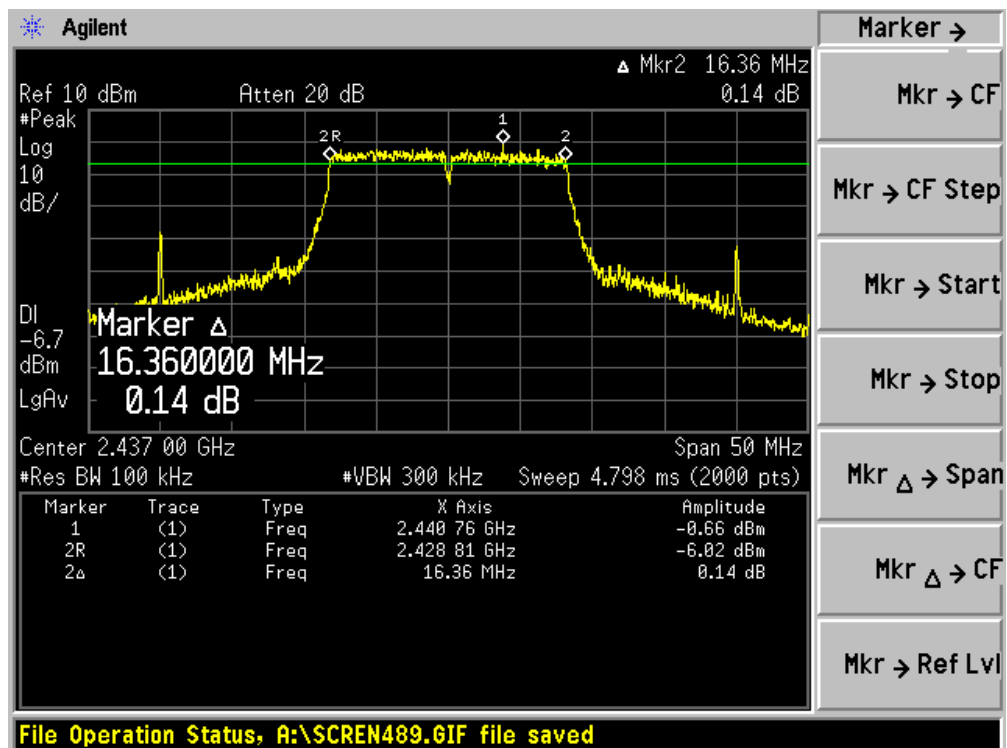
Product	:	Digi Wi-Point 3G
Test Item	:	Occupied Bandwidth
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

Channel No.	Frequency (MHz)	Occupied Bandwidth (kHz)	Limit (kHz)	Result
01	2412	16410	500	Pass
06	2437	16360	500	Pass
11	2462	16360	500	Pass

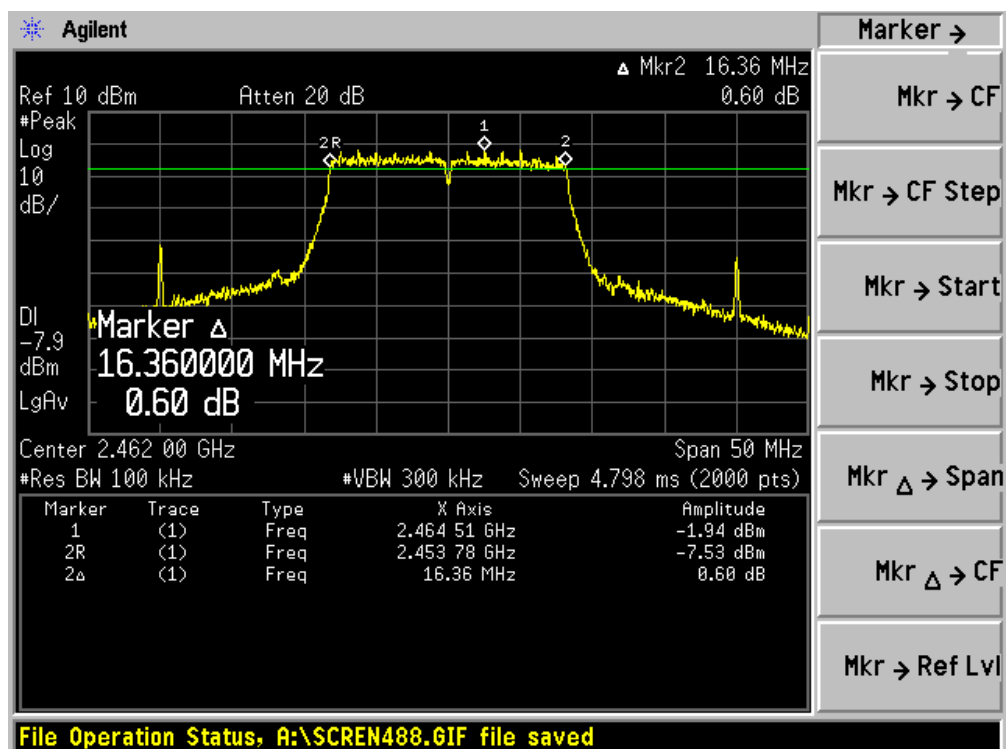
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



8. Power Output

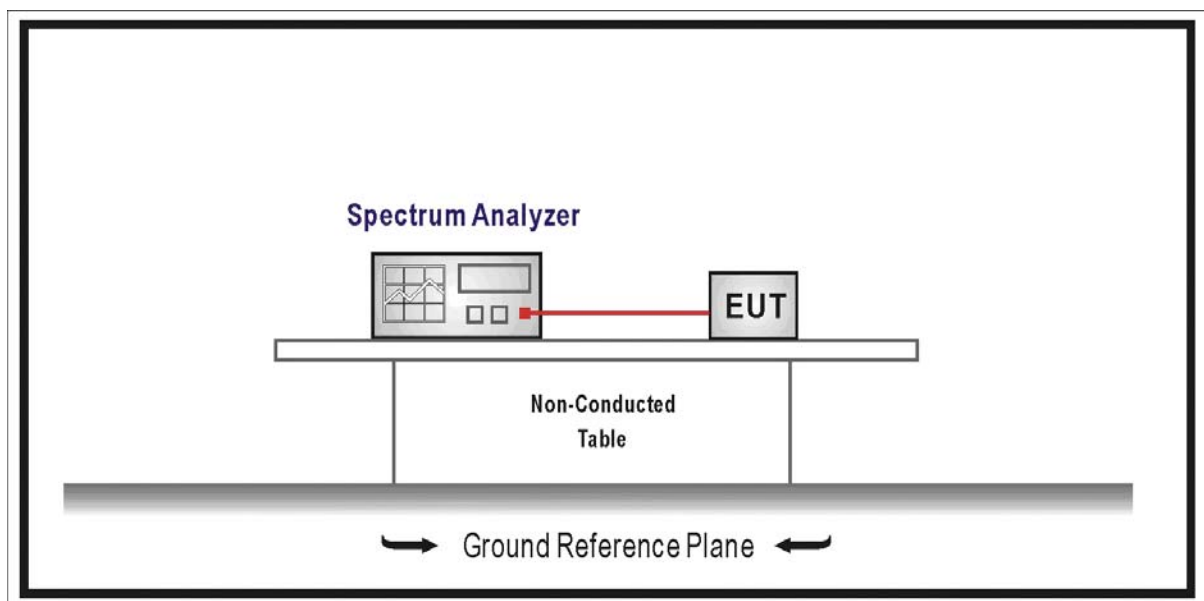
8.1. Test Equipment

Power Output / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2007/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2007/11/30

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

8.2. Test Setup



8.3. Limit

The maximum peak power shall be less 1 Watt (30dBm).

Note: the conducted output power limit specified above is based on the use the antennas with directional gains that do not exceed 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values above, as appropriate, by the amount in dB that the directional gain of antenna exceeds 6 dBi.

8.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Power output measurement allowed per Section 15.247(b)(3).

In the following, "T" is the transmission pulse duration over which the transmitter is on and transmitting at its maximum power control level. Measurements are performed with a spectrum analyzer. Three methods are provided to accommodate measurement limitations of the spectrum analyzer depending on signal parameters. Set resolution bandwidth (RBW) = 1 MHz. Set span to encompass the entire emission bandwidth (EBW) of the signal. Use automatic setting for analyzer sweep time.

As "T" $\geq$ sweep time, the test procedure will be used as following:

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW = 1 MHz.
3. Set VBW $\geq$ 3 MHz.
4. Use sample detector mode if bin width (i.e., span/number of points in spectrum display) < 0.5 RBW. Otherwise use peak detector mode.
5. Use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at full control power for entire sweep of every sweep. If the device transmits continuously, with no off intervals or reduced power intervals, the trigger may be set to "free run".
6. Trace average 100 traces in power averaging mode.
7. Compute power by integrating the spectrum across the 26 dB EBW of the signal. The integration can be performed using the spectrum analyzer's band power measurement function with band limits set equal to the EBW band edges or by summing power levels in each 1 MHz band in linear power terms. The 1 MHz band power levels to be summed can be obtained by averaging, in linear power terms, power levels in each frequency bin across the 1 MHz.

8.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

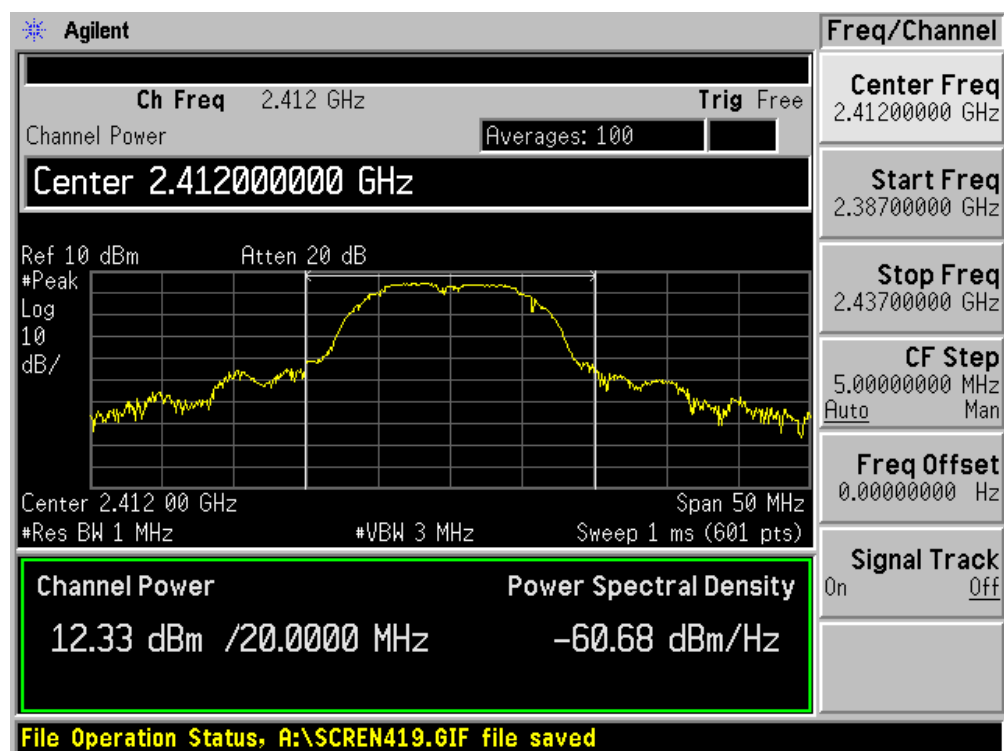
8.6. Test Result

Product	:	Digi Wi-Point 3G
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

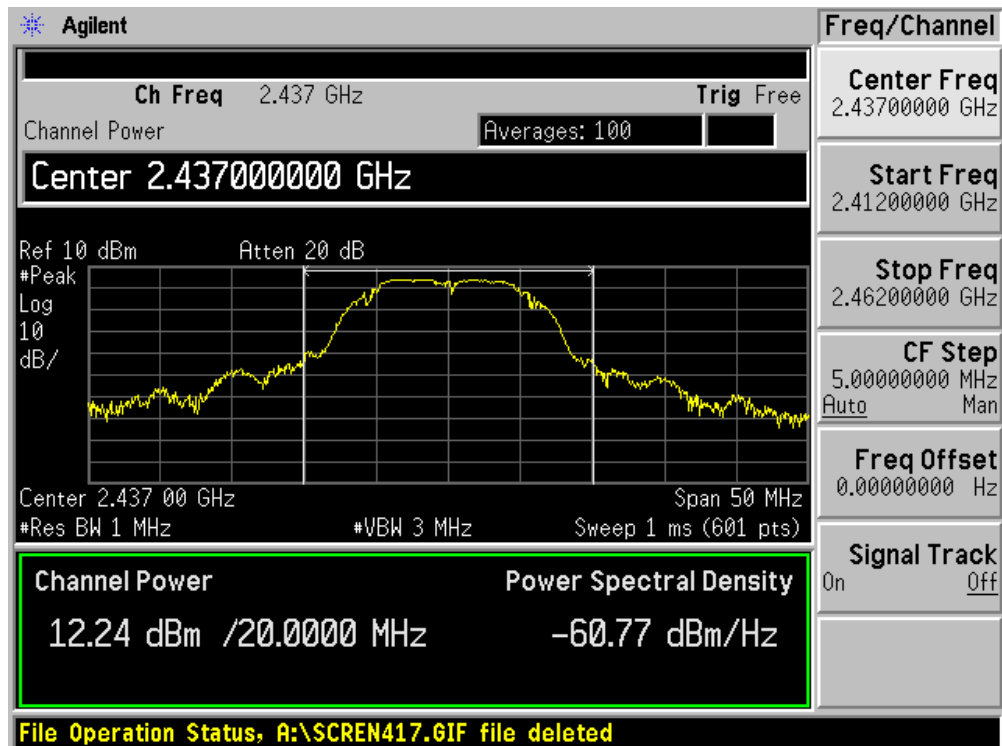
Channel No.	Frequency (MHz)	Data Rate (Mbps)				Limit (dBm)
		1	2	5.5	11	
01	2412	12.33	--	--	--	30
06	2437	12.24	12.10	11.89	11.20	30
11	2462	11.57	--	--	--	30

Note: The antenna gain of transmitter is less than 6 dBi and other than fixed, point-to-point operation, therefore the limit is 30 dBm.

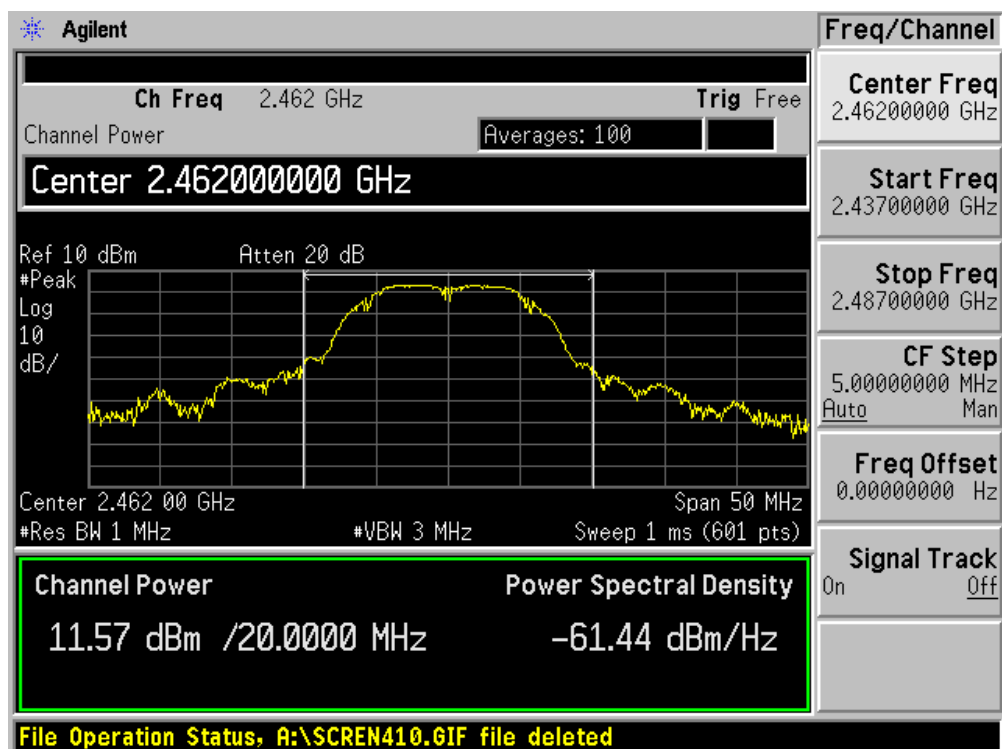
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

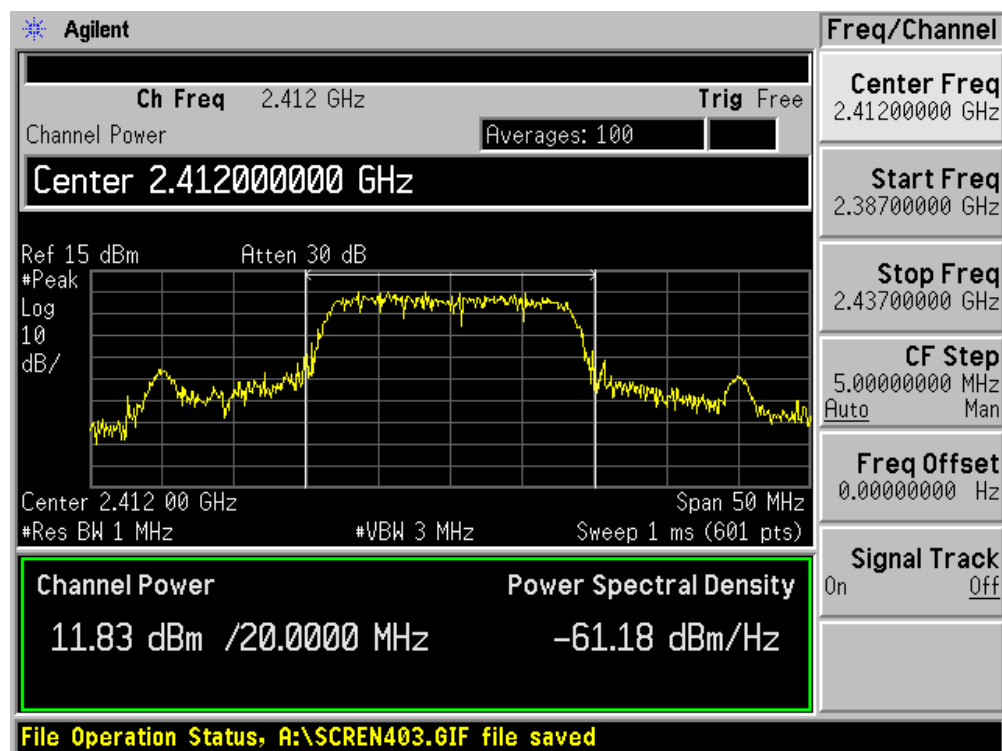


Product	:	Digi Wi-Point 3G
Test Item	:	Power Output
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

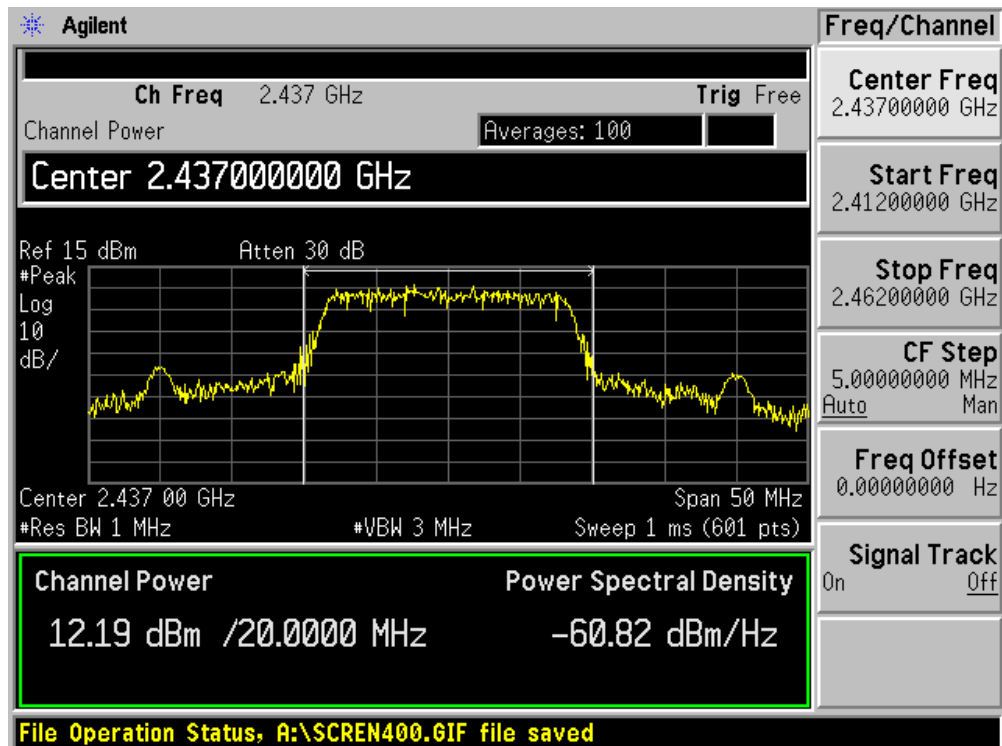
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Limit (dBm)
		6	9	12	18	24	36	48	54	
01	2412	11.83	--	--	--	--	--	--	--	30
06	2437	12.19	12.01	11.92	11.94	11.90	11.71	11.73	11.68	30
11	2462	11.84	--	--	--	--	--	--	--	30

Note: The antenna gain of transmitter is less than 6 dBi and other than fixed, point-to-point operation, therefore the limit is 30 dBm.

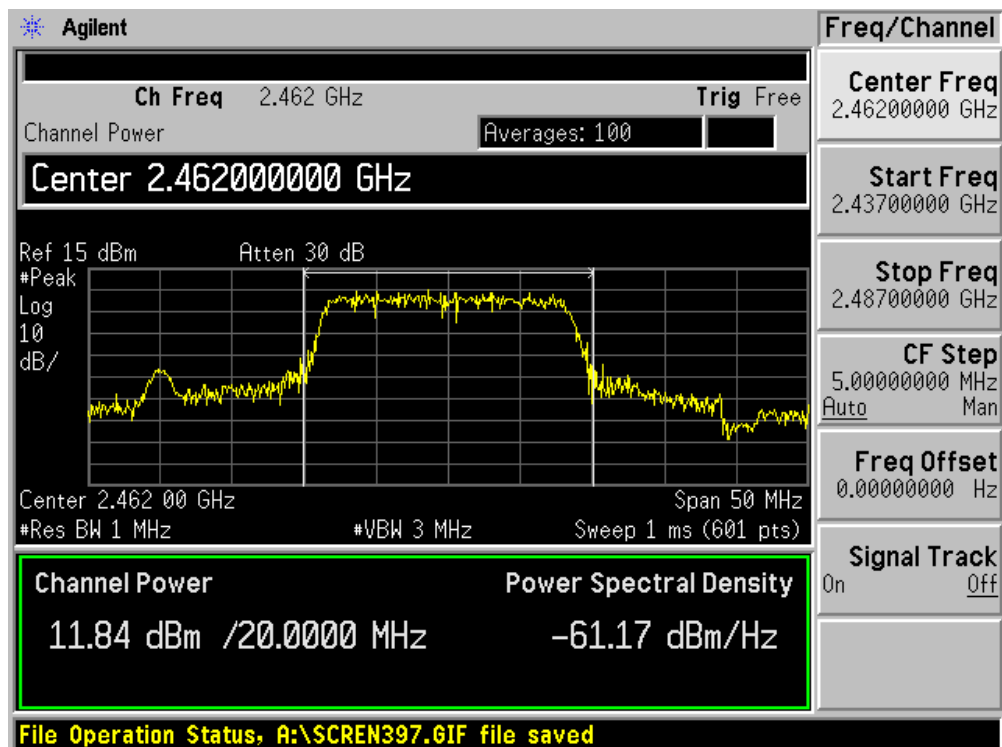
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



9. Power Spectral Density

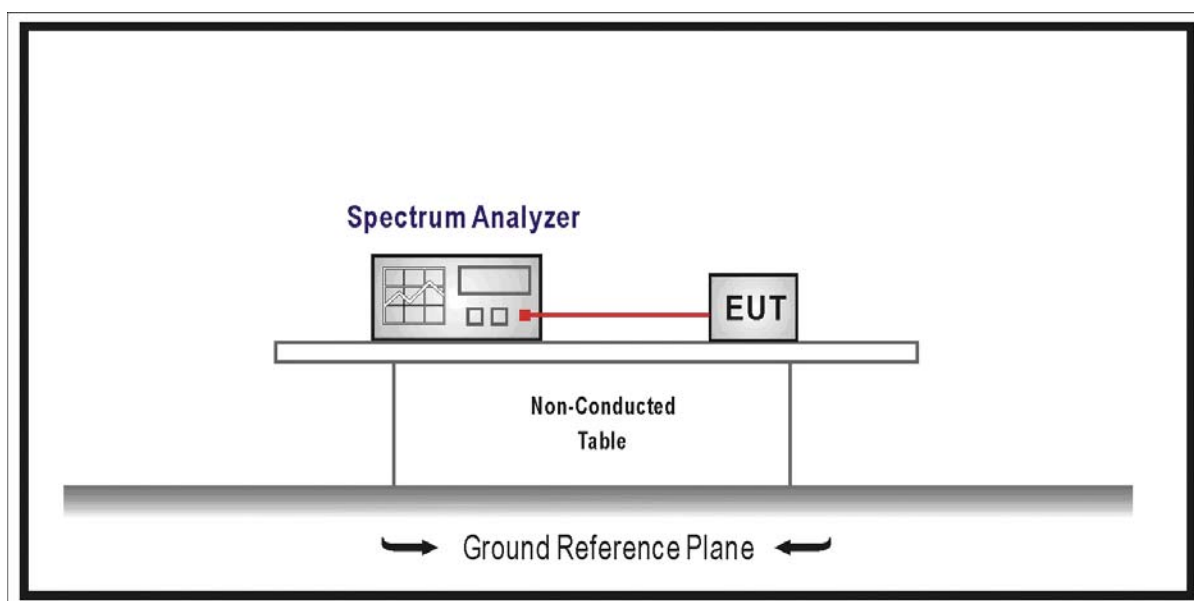
9.1. Test Equipment

Power Spectral Density / AC-4

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2007/06/11
Coaxial Cable	Huber+Suhner	AC4-RF	09	2007/11/25
Temperature/Humidity Meter	zhicheng	ZC1-2	QT-TH007	2007/11/30

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

9.2. Test Setup



9.3. Limit

For digitally modulated systems, the 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.

9.4. Test Procedure

The EUT was tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 3 kHz, Set VBW $\geq$ 9 kHz, Sweep time=Auto, Set detector=Peak detector.

9.5. Uncertainty

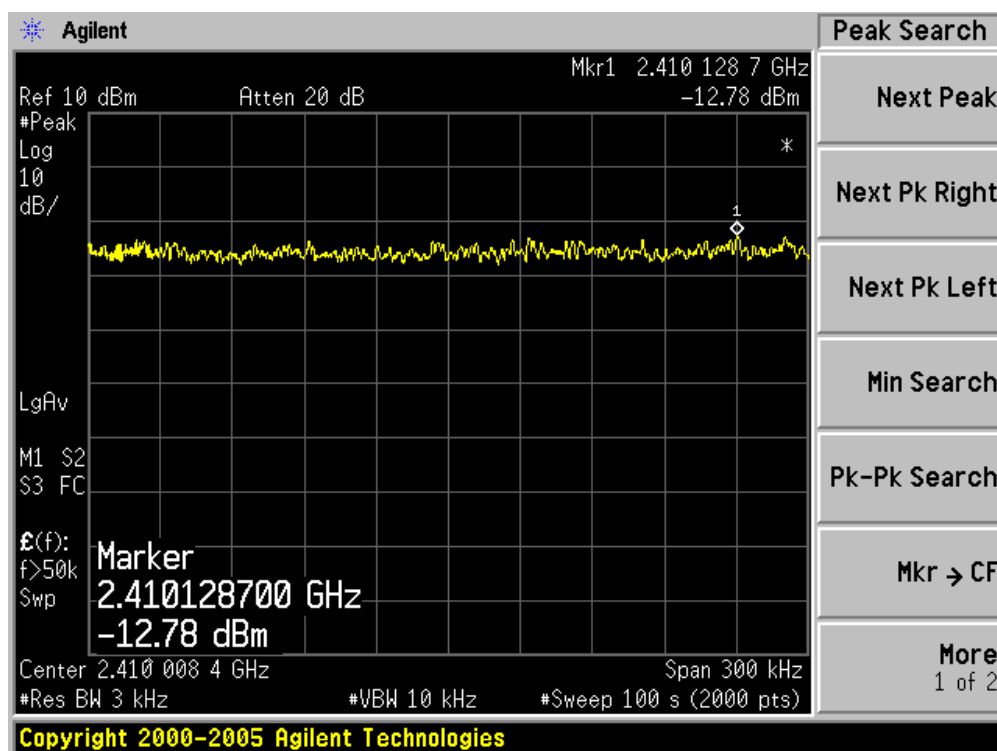
The measurement uncertainty is defined as ± 1.27 dB

9.6. Test Result

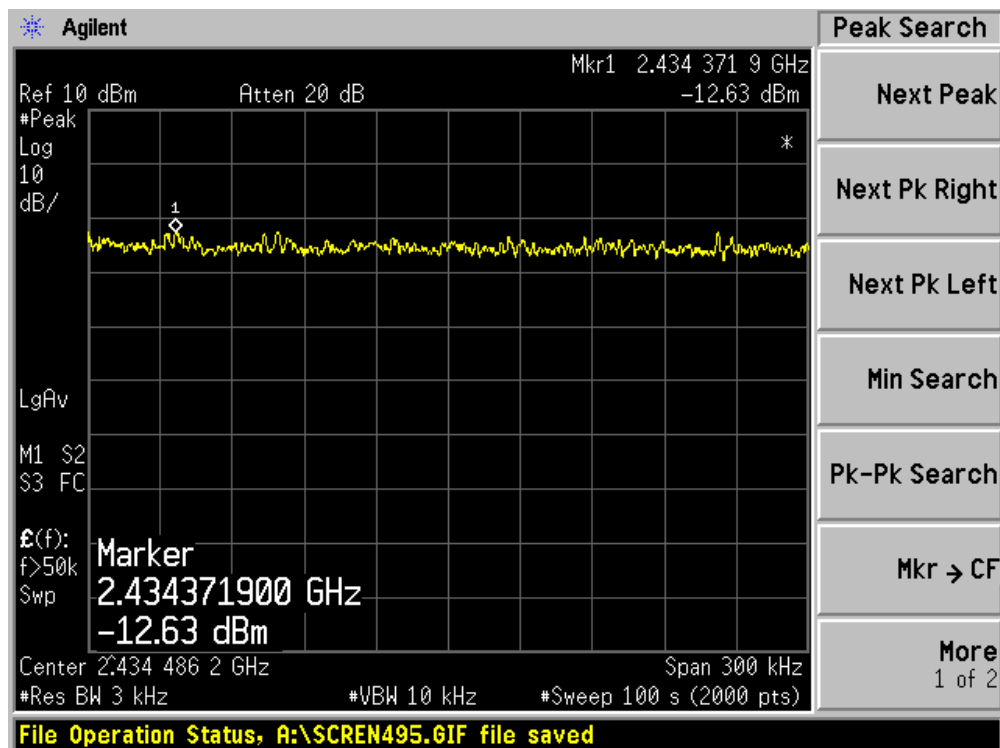
Product	:	Digi Wi-Point 3G
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 1: Transmit by 802.11b

Channel No.	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-12.78	8	Pass
06	2437	-12.63	8	Pass
11	2462	-13.29	8	Pass

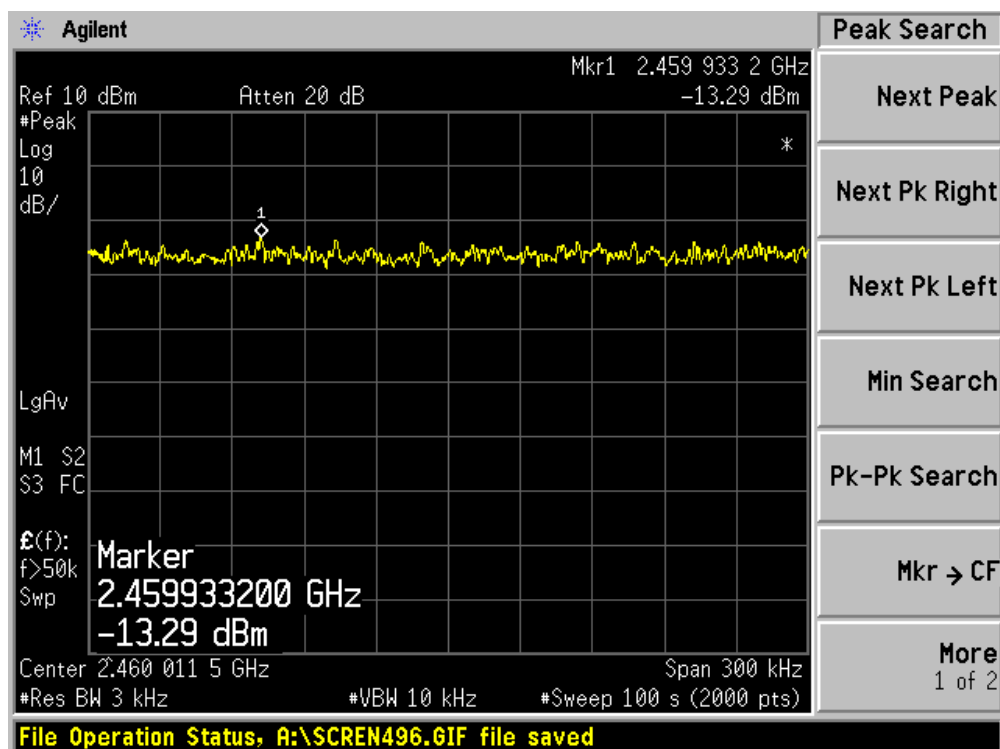
Channel 01 (2412MHz)



Channel 06 (2437MHz)



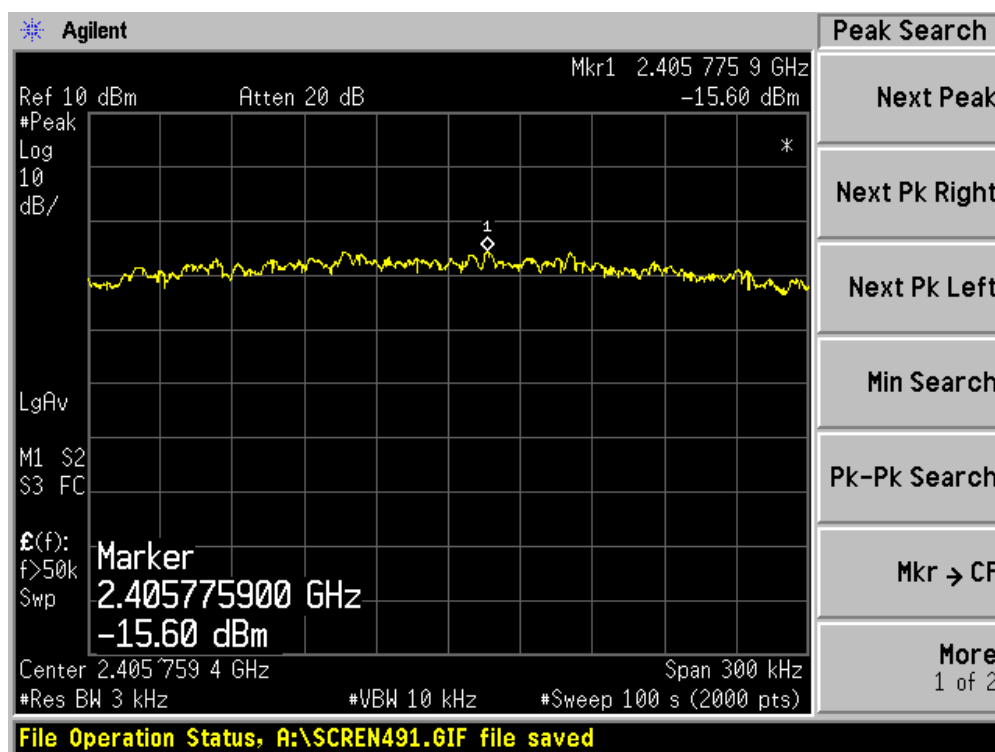
Channel 11 (2462MHz)



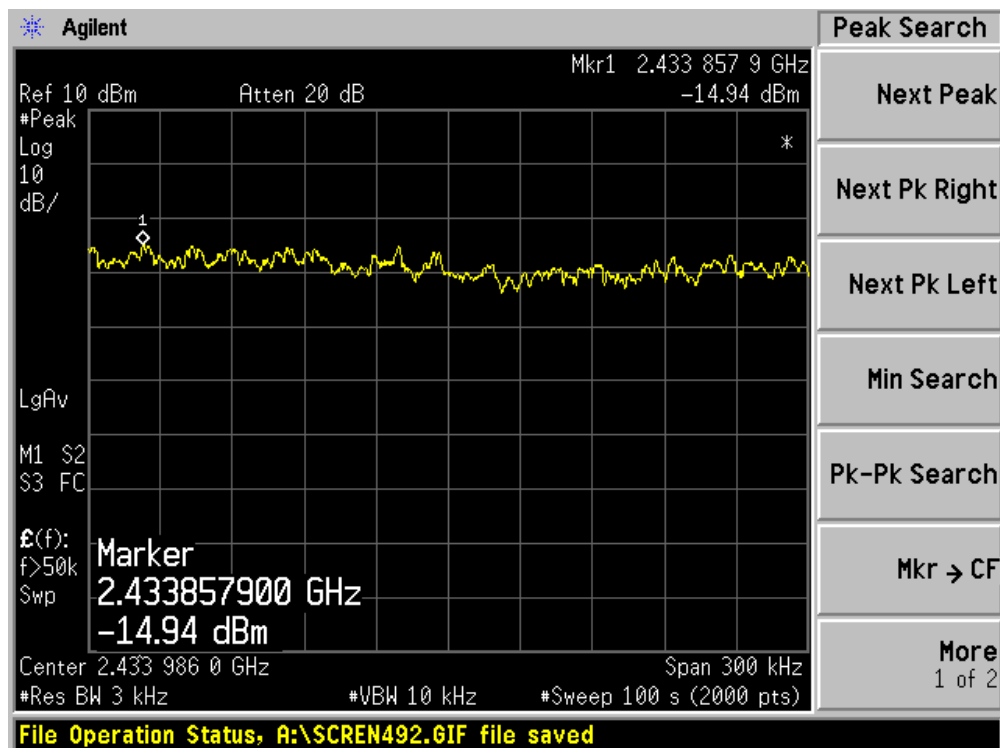
Product	:	Digi Wi-Point 3G
Test Item	:	Power Spectral Density
Test Site	:	AC-4
Test Mode	:	Mode 2: Transmit by 802.11g

Channel No.	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
01	2412	-15.60	8	Pass
06	2437	-14.94	8	Pass
11	2462	-14.71	8	Pass

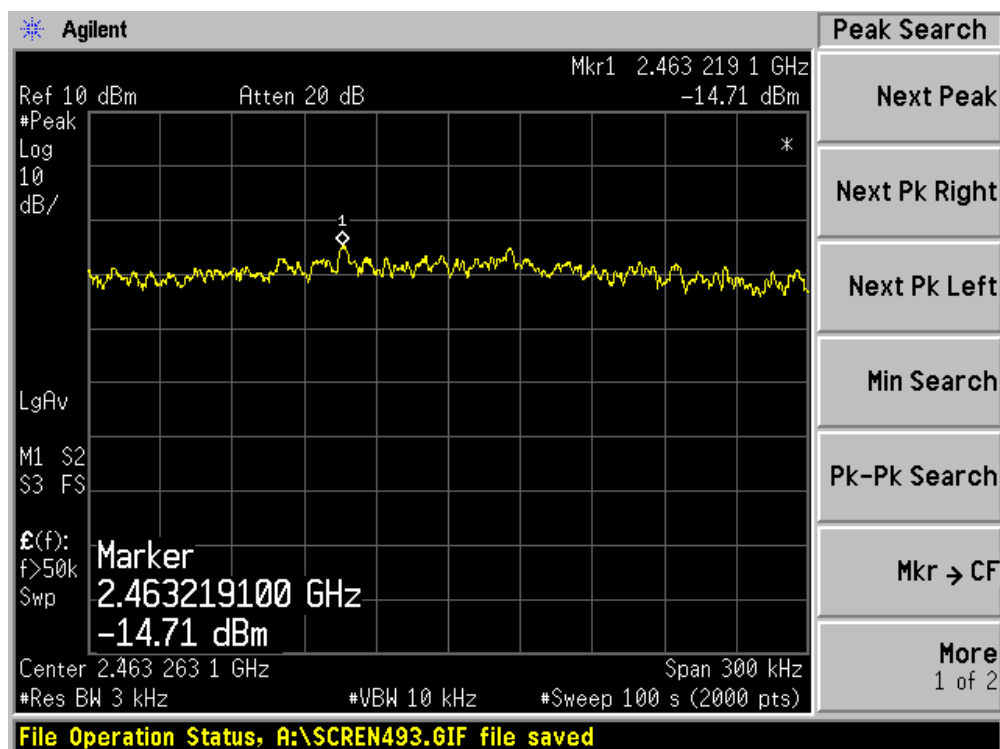
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



10. Attachment

➤ EUT Photograph

(1) EUT Photo



(2) EUT Photo



(3) EUT Photo



(4) EUT Photo



(5) EUT Photo



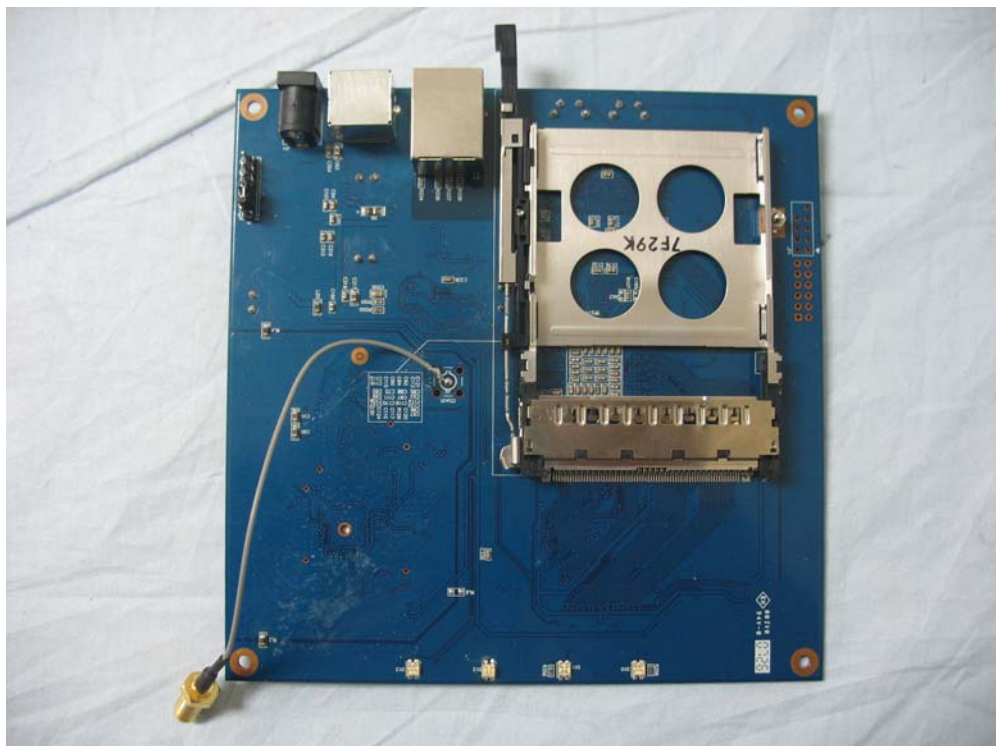
(6) EUT Photo



(7) EUT Photo



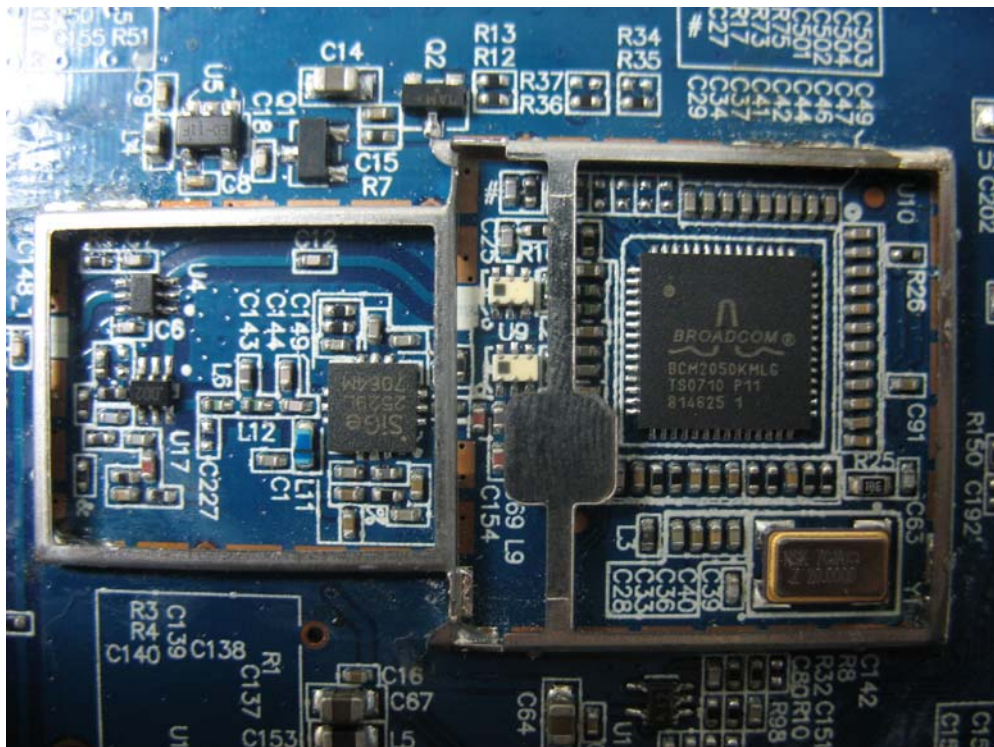
(8) EUT Photo



(9) EUT Photo



(10) EUT Photo



TP23

21 19 17 15 13 11 9 7 5 3 1

22 20 18 16 14 12 10 8 6 4 2

R38 C21 C50 L10 C5 R39 X1 R100 R136 R109 R123 R355 R353

(13) EUT Photo



(14) EUT Photo



(15) EUT Photo



(16) EUT Photo



(17) EUT Photo



(18) EUT Photo

