Test Report

Product Name ： DIGITAL MEDIA FRAME
Model No. ： DMF82XKU
FCC ID. ： XHIDPF08UH

Applicant ： LITE-ON IT Corp.
Address ： No.8, Dusing Rd., Hsinchu Science Park, Hsinchu, Taiwan, R.O.C.

Date of Receipt ： 2009/06/10
Issued Date ： 2009/06/22
Report No. ： 096156R-RFUSP05V01
Report Version ： V1.0

Test Report Certification

Issued Date : 2009/06/22
Report No. : 096156R-RFUSP05V01

QuieTek

Product Name	:	DIGITAL MEDIA FRAME
Applicant	:	LITE-ON IT Corp.
Address	:	No.8, Dusing Rd., Hsinchu Science Park, Hsinchu, Taiwan, R.O.C.
Manufacturer	:	LITON OPTO Technology (Guangzhou) Co. Ltd.
Address	:	No.8, Guang Bao Rd., Lite-On Scienece Park, Guangzhou, Science Park, GuangZhou, P.R. China
Model No.	:	DMF82XKU
FCC ID.	:	XHIDPF08UH
Rated Voltage	:	AC 120 V / 60 Hz
EUT Voltage	:	AC 120 V / 60 Hz
Trade Name	:	TOSHIBA
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Test Result	:	Complied

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

Documented By : Demi Chang
(Demi Chang / Engineering Adm. Specialist)

Reviewed By : Halu Chung
(Halu Chung / Engineer)

Approved By : Roy Wang
(Roy Wang / Manager)

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1. General Information

1.1. EUT Description

Product Name	DIGITAL MEDIA FRAME
Trade Name	TOSHIBA
Model No.	DMF82XKU
Frequency Range (IEEE 802.11b/g)	2412~2462MHz
Channel Number (IEEE 802.11b/g)	11
Type of Modulation (IEEE 802.11b)	DSSS
Type of Modulation (IEEE 802.11g)	OFDM
Data Speed (IEEE 802.11b)	1Mbps, 2Mbps, 5.5Mbps, 11Mbps
Data Speed (IEEE 802.11g)	6Mbps,9Mbps,12Mbps,18Mbps,24Mbps,36Mbps,48Mbps,54Mbps
Antenna	2.02dBi
Channel Control	Auto
Antenna Type	Connector (IPEX)

Component	
Digital Photo Frame	TOSHIBA, SE-R0351
Power Adapter	TOSHIBA, EADP-18 SB I/P: 100-240V 0.4A, 50-60Hz O/P: DC 12V 1.5A Cable Out: Non-Shielded, 1.5m

Note:

1. This device is a DIGITAL MEDIA FRAME, which including 2.4GHz b/g transmitting and receiving function.
2. These test results on a sample of the device are for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247.
3. Regards to the frequency band operation; the lowest、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
4. This device is a composite device in accordance with Part 15 regulations. The receiving function receiving was tested and its test report number is 096156R-RFUSP01V02 under Declaration of Conformity.

1.2. Operational Description

The EUT is a DIGITAL MEDIA FRAME for 2.4GHz wireless signal. Operating Frequency Range is from 2412 MHz to 2462 MHz. The device adapts Digitally Modulation Spread Spectrum modulation. Operation in 2.4GHz Direst Sequence Spread Spectrum (DSSS) radio transmission for IEEE 802.11b and Orthogonal Frequency Division Multiplexing (OFDM) for IEEE 802.11g.

This device provided four kinds of transmitting speed 1 Mbps, 2 Mbps, 5.5 Mbps and 11Mbps for IEEE 802.11b and eight kinds of transmitting speed 6 Mbps, 9 Mbps, 12 Mbps,18 Mbps, 24 Mbps, 36 Mbps, 48 Mbps and 54Mbps for IEEE 802.11g. The device of RF carrier is DQPSK, DBPSK and CCK. The maximum wireless signal rate of 802.11b is 1 Mbps and 802.11g is 6 Mbps in the 2.4GHz frequency.

1.3. Test Mode

QuieTek has verified the construction and function in typical operation. The preliminary tests were performed in different data rate, and to find the worst condition, which was shown in this test report. The following table is the final test mode.

Tx	Mode 1: Transmit

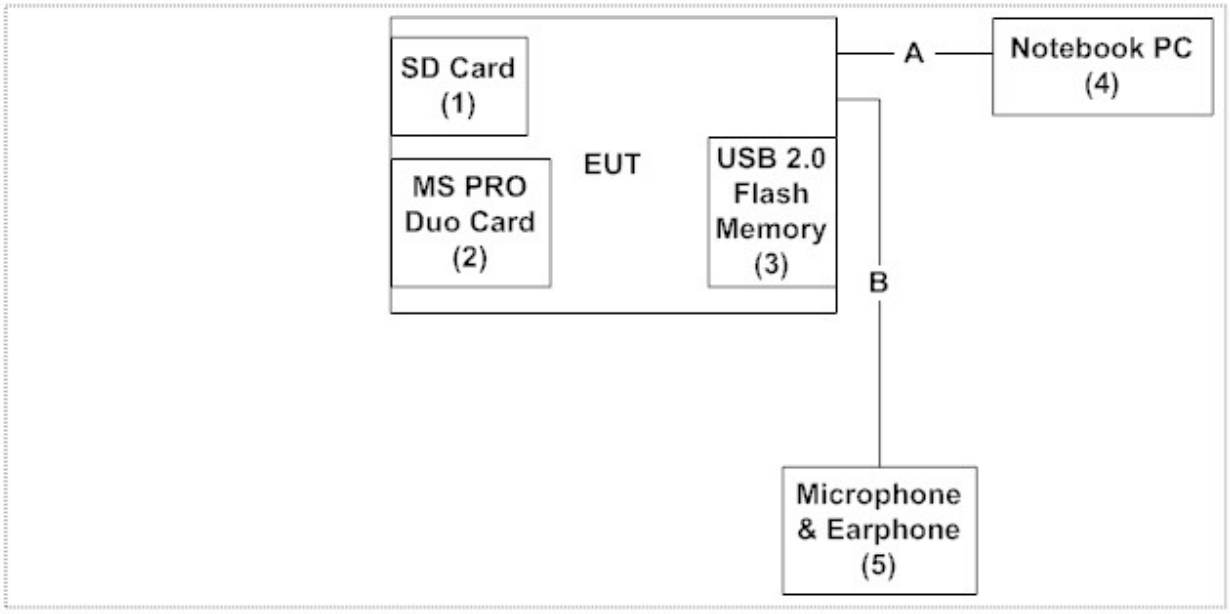
Test Items	Mode1
Conducted Emission	Yes
Peak Power Output	Yes
Radiated Emission	Yes
RF antenna conducted test	Yes
Radiated Emission Band Edge	Yes
Occupied Bandwidth	Yes
Power Density	Yes

1.4. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	SD Card	Transcend	TS512MSD80	160073-4662	DoC	--
2	MS PRO Duo Card	SanDisk	1GB	BB0717004214D	DoC	--
3	USB 2.0 Flash Memory	TOSHIBA	Trans Memory II 1 GB	N/A	DoC	--
4	Notebook PC	DELL	LATITUDE D400	GK43D1S	DoC	Non-shielded, 1.7m, a ferrite core bonded
5	Microphone & Earphone	TOKTO	SX-MI	N/A	DoC	--

1.5. Configuration of tested System

Connection Diagram


Signal Cable Type		Signal cable Description
A	USB Cable	Shielded, 1.5m
B	Microphone & Earphone Cable	Non-Shielded, 1.2m

1.6. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.5.
2	Turn on the power of all equipment.
3	Boot the Notebook PC from Hard Disk.
4	Data will communicate by connecting to USB port of Notebook PC.
5	The Notebook PC ‘s monitor will show the transmitting and receiving characteristics when the communication is success.
6	Repeat the above procedure (4) to (5).

1.7. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20
Humidity (%RH)		25 - 75	50
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Peak Power Output (DSSS)	15 - 35	23.5
Humidity (%RH)		25 - 75	53
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission (DSSS)	15 - 35	25
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Band Edge (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	65
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
Barometric pressure (mbar)		860 - 1060	950-1000
Temperature (°C)	FCC PART 15 C 15.247 Power Density (DSSS)	15 - 35	26
Humidity (%RH)		25 - 75	52.8
Barometric pressure (mbar)		860 - 1060	950-1000

Site Description:

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

Accredited by TAF
Accreditation Number: 1313
Effective through: December 27, 2010

Testing Laboratory 1313

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2009

NVLAP Lab Code : 200347-0

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

2. Conducted Emission

2.1. Test Equipment

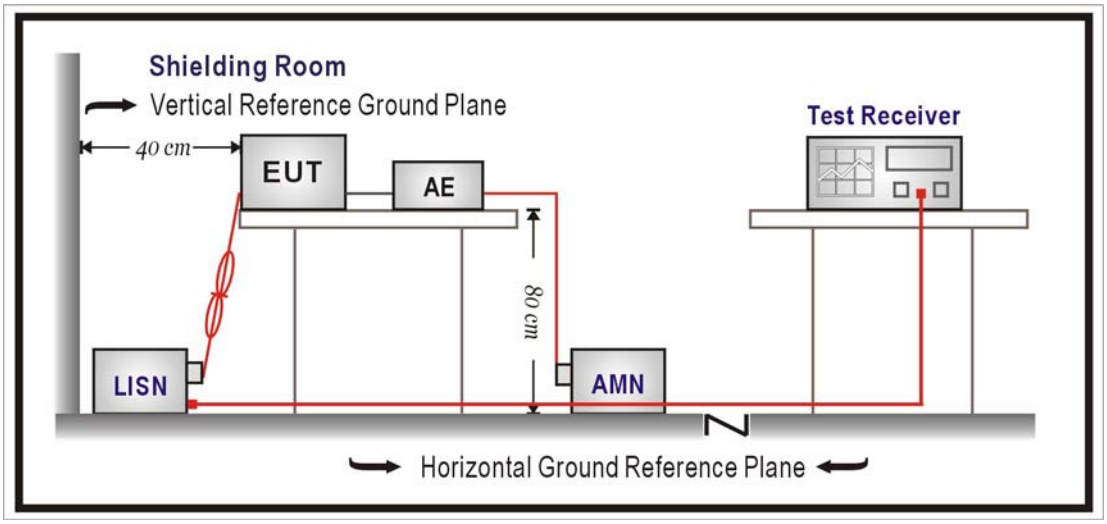
The following test equipments are used during the test:

Conducted Emission / SR2

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
4-Wire ISN	R & S	ENY 41	837032/001	2009/04/15
Artificial Mains Network	R & S	ENV4200	848411/010	2009/03/13
Double 2-Wire ISN	R & S	ENY 22	835354/008	2009/04/15
LISN	R & S	ESH3-Z5	825562/002	2009/03/31
Pulse Limiter	R & S	ZSH3Z2	357.8810.54	2008/07/19
Test Receiver	R & S	ESCS 30	100122	2009/02/21

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

2.2. Test Setup



2.3. Limits

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

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

2.4. Test Procedure

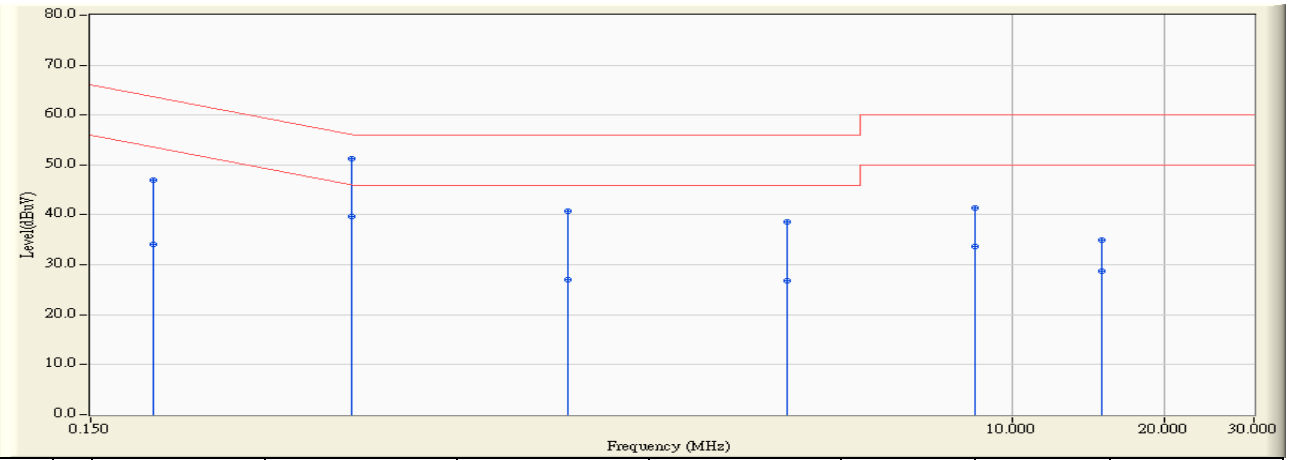
The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane 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.

2.5. Uncertainty

The measurement uncertainty is defined as ± 2.26 dB.

2.6. Test Result

Site : SR2	**Time : 2009/06/17 - 15:52**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line1	**Power : AC 120V / 60Hz`**
EUT : DIGITAL MEDIA FRAME	**Note : Mode 1: Transmit-B**

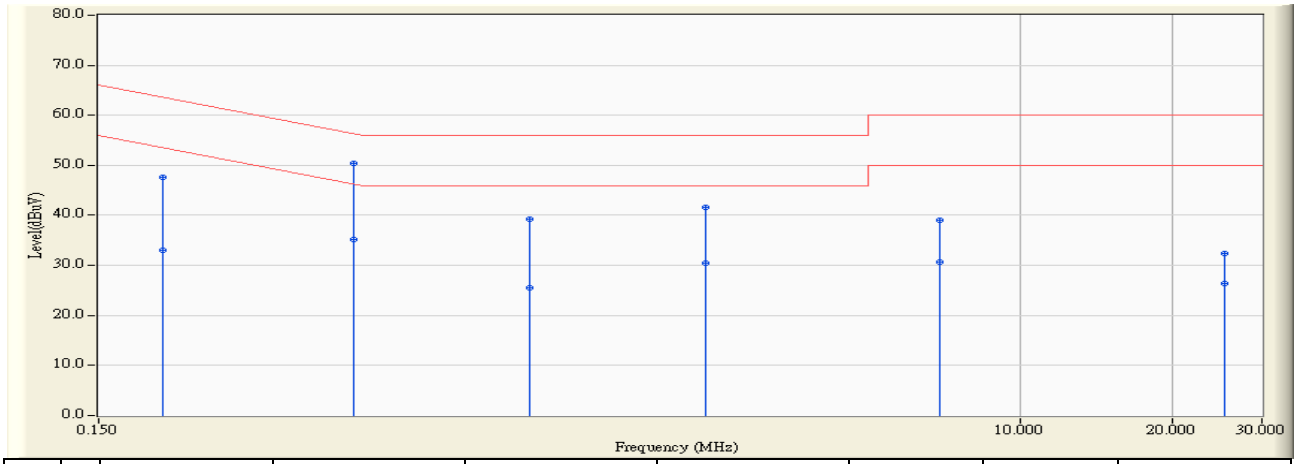


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.199	9.661	37.330	46.991	-16.644	63.634	QUASIPEAK
2		0.199	9.661	24.520	34.181	-19.454	53.634	AVERAGE
3	*	0.492	9.814	41.490	51.304	-4.837	56.142	QUASIPEAK
4		0.492	9.814	29.970	39.784	-6.357	46.142	AVERAGE
5		1.322	9.817	30.910	40.727	-15.273	56.000	QUASIPEAK
6		1.322	9.817	17.290	27.107	-18.893	46.000	AVERAGE
7		3.584	9.831	28.810	38.641	-17.359	56.000	QUASIPEAK
8		3.584	9.831	17.000	26.831	-19.169	46.000	AVERAGE
9		8.420	10.021	31.340	41.360	-18.640	60.000	QUASIPEAK
10		8.420	10.021	23.660	33.680	-16.320	50.000	AVERAGE
11		15.048	10.122	24.910	35.032	-24.968	60.000	QUASIPEAK
12		15.048	10.122	18.530	28.652	-21.348	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2009/06/17 - 15:58**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line2	**Power : AC 120V / 60Hz`**
EUT : DIGITAL MEDIA FRAME	**Note : Mode 1: Transmit-B**

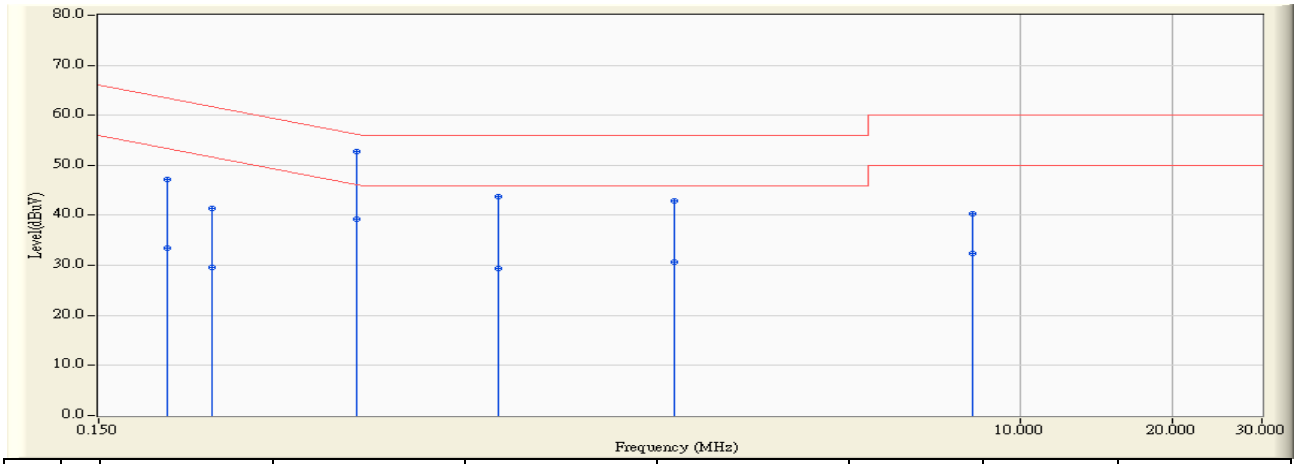


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.201	9.689	37.860	47.549	-16.020	63.569	QUASIPEAK
2		0.201	9.689	23.340	33.029	-30.540	63.569	AVERAGE
3	*	0.478	9.800	40.520	50.320	-6.054	56.374	QUASIPEAK
4		0.478	9.800	25.380	35.180	-21.194	56.374	AVERAGE
5		1.065	9.811	29.370	39.181	-16.819	56.000	QUASIPEAK
6		1.065	9.811	15.720	25.531	-30.469	56.000	AVERAGE
7		2.380	9.831	31.740	41.571	-14.429	56.000	QUASIPEAK
8		2.380	9.831	20.550	30.381	-25.619	56.000	AVERAGE
9		6.939	9.957	29.150	39.106	-20.894	60.000	QUASIPEAK
10		6.939	9.957	20.790	30.746	-29.254	60.000	AVERAGE
11		25.302	10.513	21.910	32.423	-27.577	60.000	QUASIPEAK
12		25.302	10.513	15.800	26.313	-33.687	60.000	AVERAGE

Note:

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

Site : SR2	**Time : 2009/06/17 - 16:04**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line1	**Power : AC 120V / 60Hz`**
EUT : DIGITAL MEDIA FRAME	**Note : Mode 1: Transmit-G**

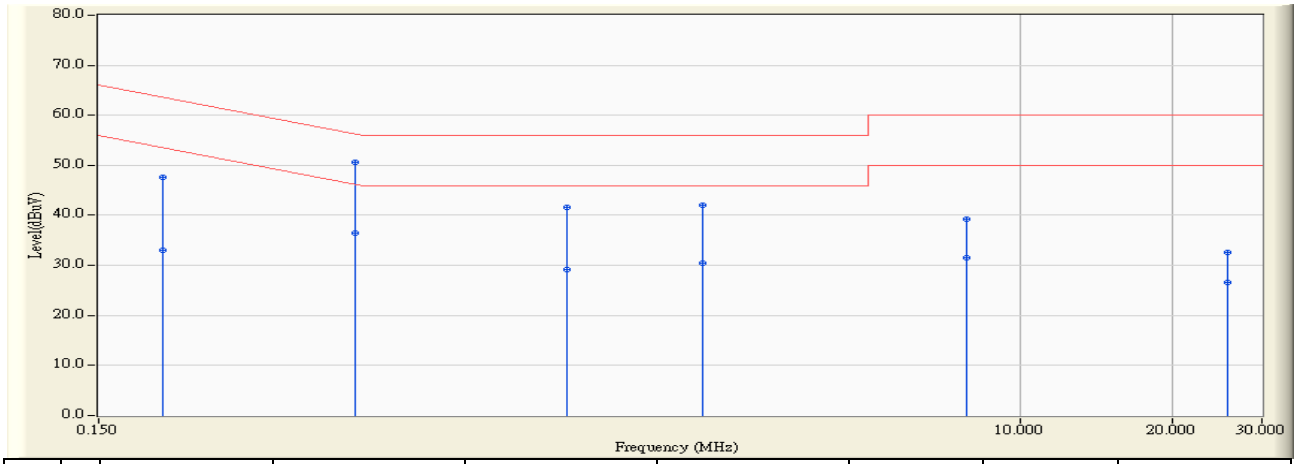


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.205	9.663	37.600	47.263	-16.155	63.418	QUASIPEAK
2		0.205	9.663	23.790	33.453	-19.965	53.418	AVERAGE
3		0.252	9.685	31.780	41.466	-20.240	61.705	QUASIPEAK
4		0.252	9.685	19.930	29.616	-22.090	51.705	AVERAGE
5	*	0.486	9.812	42.920	52.732	-3.505	56.237	QUASIPEAK
6		0.486	9.812	29.430	39.242	-6.995	46.237	AVERAGE
7		0.923	9.820	33.910	43.730	-12.270	56.000	QUASIPEAK
8		0.923	9.820	19.500	29.320	-16.680	46.000	AVERAGE
9		2.060	9.811	32.990	42.801	-13.199	56.000	QUASIPEAK
10		2.060	9.811	20.870	30.681	-15.319	46.000	AVERAGE
11		8.005	9.997	30.420	40.417	-19.583	60.000	QUASIPEAK
12		8.005	9.997	22.430	32.427	-17.573	50.000	AVERAGE

Note:

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

Site : SR2	**Time : 2009/06/17 - 16:09**
Limit : CISPR_B_00M_QP	**Margin : 10**
Probe : SR2-LISN(16A) - Line2	**Power : AC 120V / 60Hz`**
EUT : DIGITAL MEDIA FRAME	**Note : Mode 1: Transmit-G**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1		0.201	9.688	37.900	47.589	-15.989	63.578	QUASIPEAK
2		0.201	9.688	23.380	33.069	-20.509	53.578	AVERAGE
3	*	0.482	9.802	40.780	50.582	-5.722	56.304	QUASIPEAK
4		0.482	9.802	26.610	36.412	-9.892	46.304	AVERAGE
5		1.268	9.815	31.900	41.715	-14.285	56.000	QUASIPEAK
6		1.268	9.815	19.340	29.155	-16.845	46.000	AVERAGE
7		2.345	9.831	32.150	41.981	-14.019	56.000	QUASIPEAK
8		2.345	9.831	20.710	30.541	-15.459	46.000	AVERAGE
9		7.802	10.000	29.290	39.290	-20.710	60.000	QUASIPEAK
10		7.802	10.000	21.430	31.430	-18.570	50.000	AVERAGE
11		25.716	10.517	22.130	32.647	-27.353	60.000	QUASIPEAK
12		25.716	10.517	16.130	26.647	-23.353	50.000	AVERAGE

Note:

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

3. Peak Power Output

3.1. Test Equipment

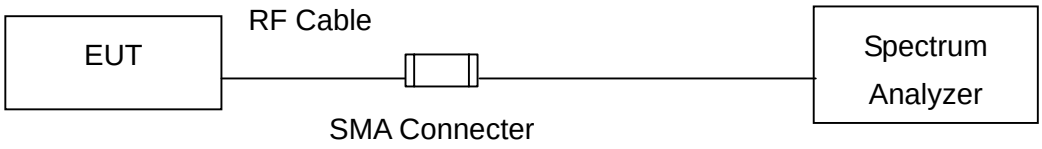
The following test equipments are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2009
2	No.1 OATS			Sep., 2008

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

3.2. Test Setup

IEEE 802.11 b / g MODE



3.3. Test procedures

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

3.4. Limits

The maximum peak power shall be less 1 Watt.

3.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

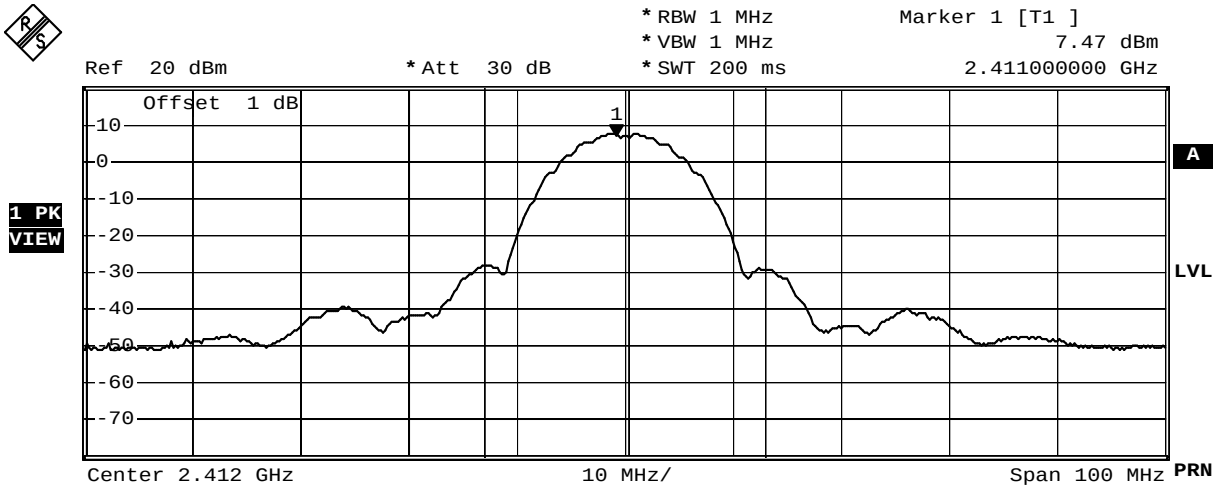
3.6. Test Result

Product	DIGITAL MEDIA FRAME		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/06/16	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	15.77	1Watt= 30 dBm	Pass
6	2437	19.12	1Watt= 30 dBm	Pass
11	2462	21.36	1Watt= 30 dBm	Pass

Note: Measure Level =Reading value + cable loss

2412 MHz- 802.11b

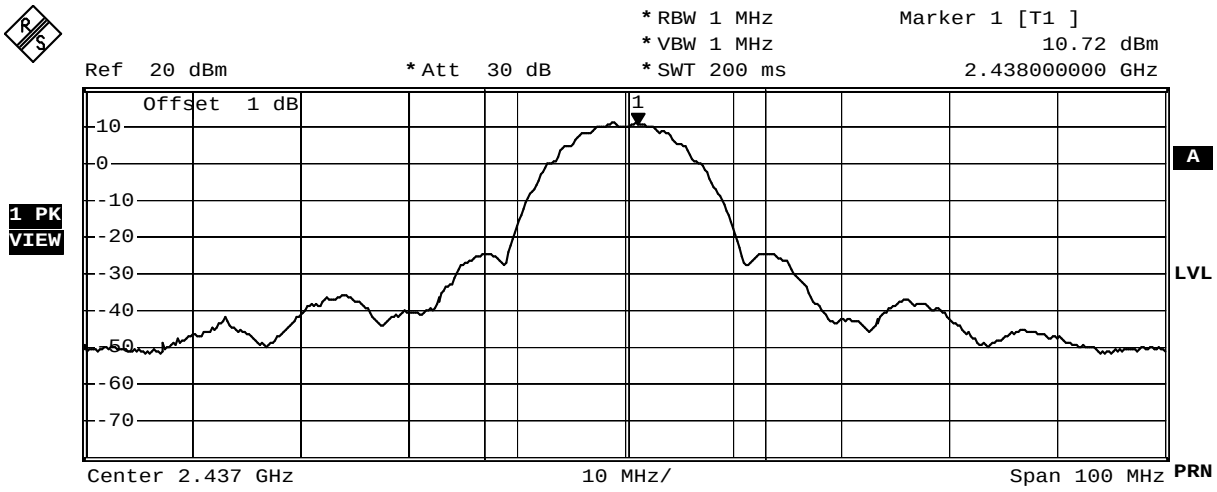


Tx Channel

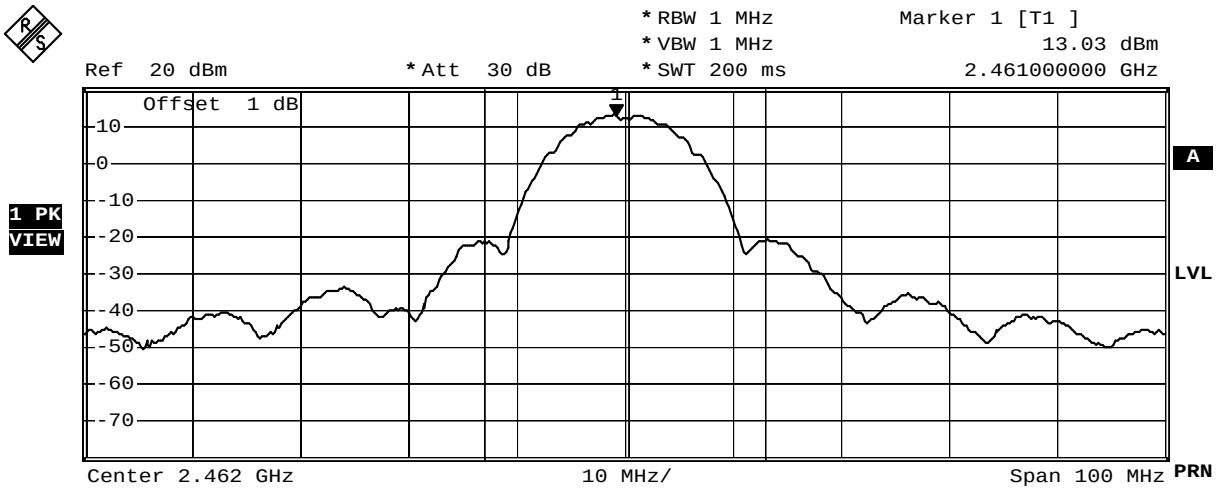
Bandwidth 26 MHz Power 15.77 dBm

Date: 15.JUN.2009 15:06:24

2437 MHz- 802.11b



2462 MHz- 802.11b



Tx Channel

Bandwidth	26 MHz	Power	21.36 dBm

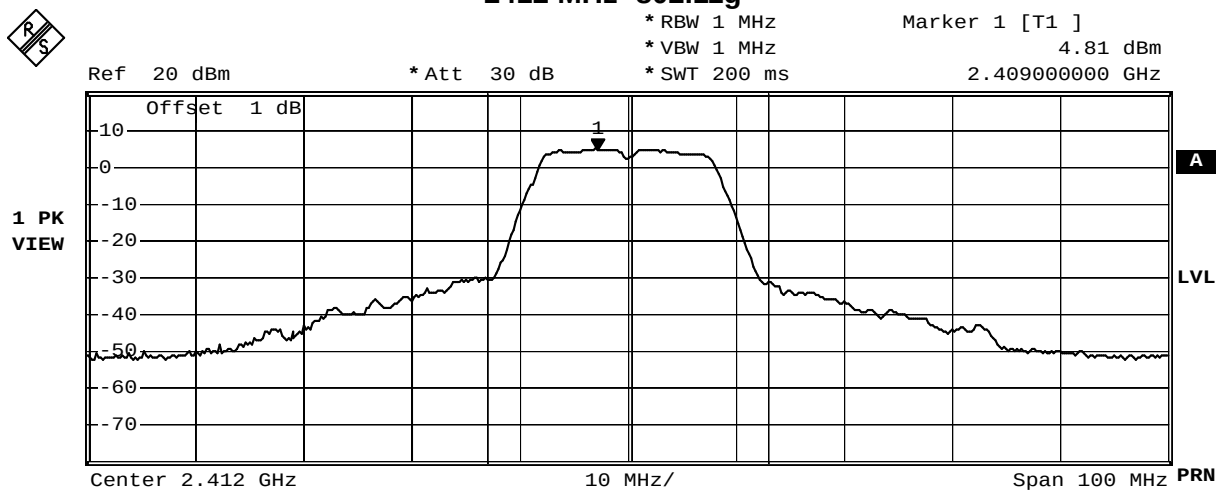
Date: 15.JUN.2009 15:20:58

Product	DIGITAL MEDIA FRAME		
Test Item	Peak Power Output		
Test Mode	Transmit		
Date of Test	2009/06/16	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	15.57	1Watt= 30 dBm	Pass
6	2437	19.02	1Watt= 30 dBm	Pass
11	2462	15.70	1Watt= 30 dBm	Pass

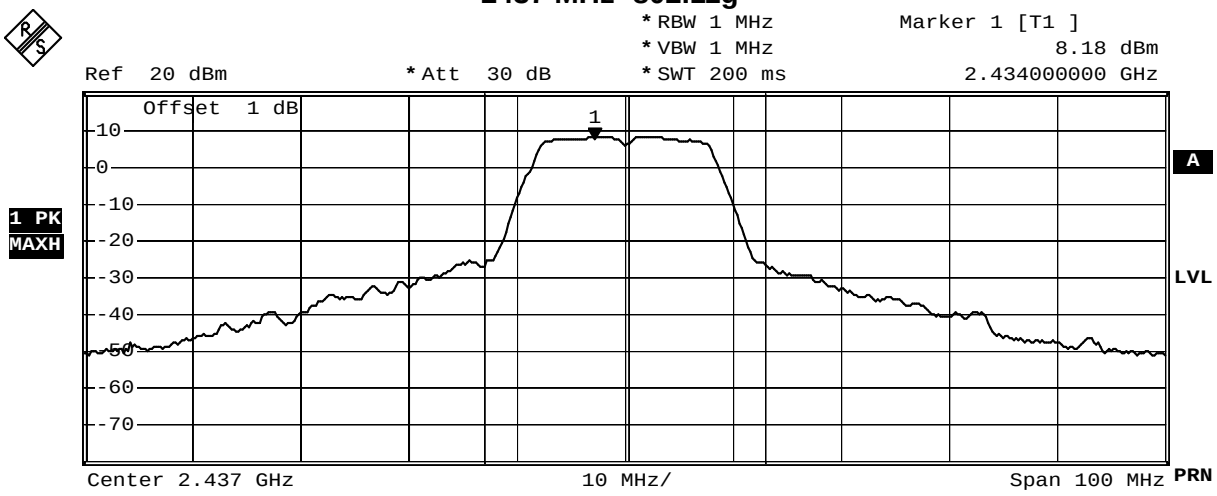
Note: Measure Level =Reading value + cable loss

2412 MHz- 802.11g



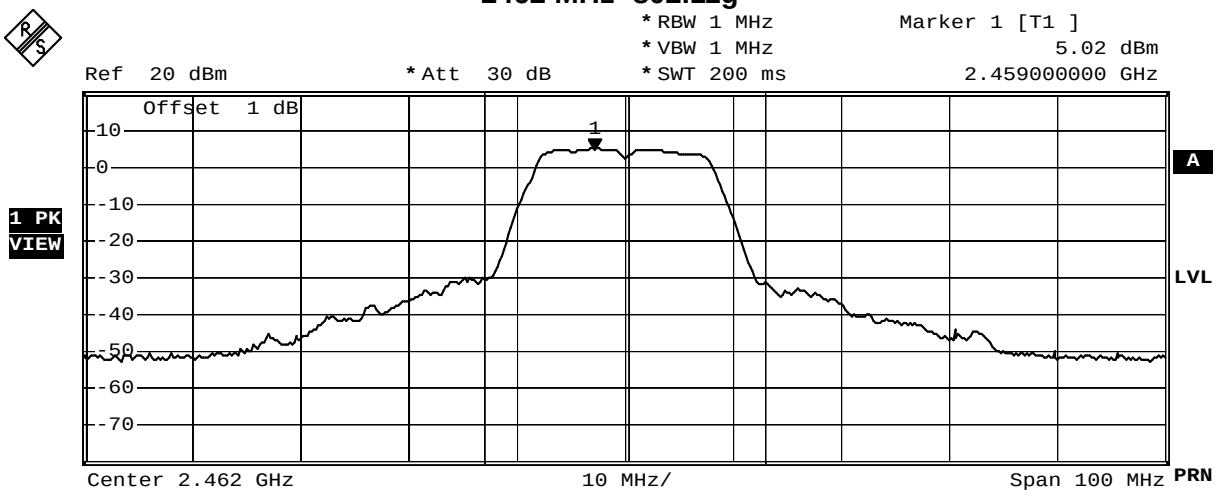
Date: 15.JUN.2009 15:54:38

2437 MHz- 802.11g



Date: 17.JUN.2009 20:00:27

2462 MHz- 802.11g



4. Radiated Emission

4.1. Test Equipment

The following test equipments are used during the test:

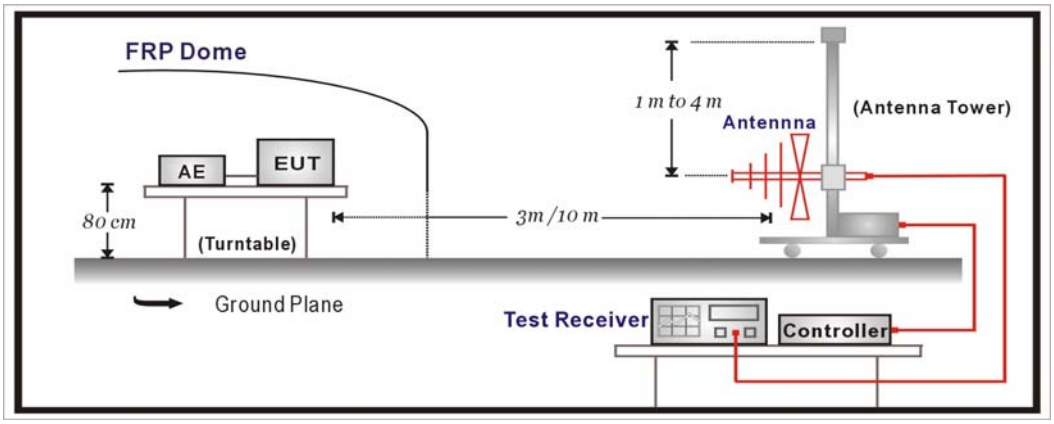
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Test Receiver	R & S	ESCS 30 / 836858/023	Apr., 2009
2	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2008
3	X	Pre-Amplifier	HP	8449B / 3008A01123	Nov., 2008
4	X	Bilog Antenna	Schaffner	CBL6112B / 2708	Sep., 2008
5	X	Spectrum Analyzer	Advantest	R3162 / 121200166	Feb., 2009
6	X	Pre-Amplifier	QuieTek	AP-025C / 002	N/A
7	X	Horn Antenna	Electro Metrics	EM-6961 / 103325	Mar., 2009
8	No.2 OATS				Sep., 2008

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

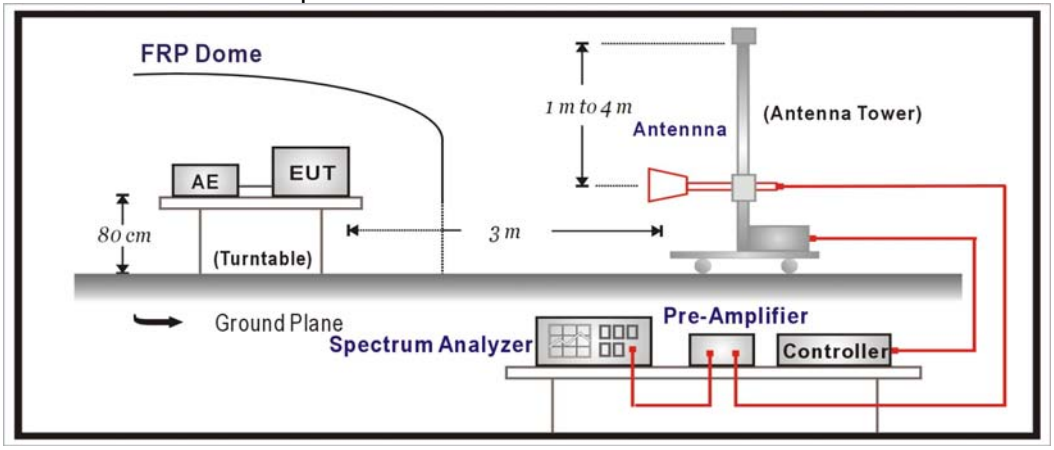
2. Last Cal showing “N/A” means it is used to Pre-test, not for final test.

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limits

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

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

Remarks: 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 and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.
On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2008

4.6. Uncertainty

The measurement uncertainty

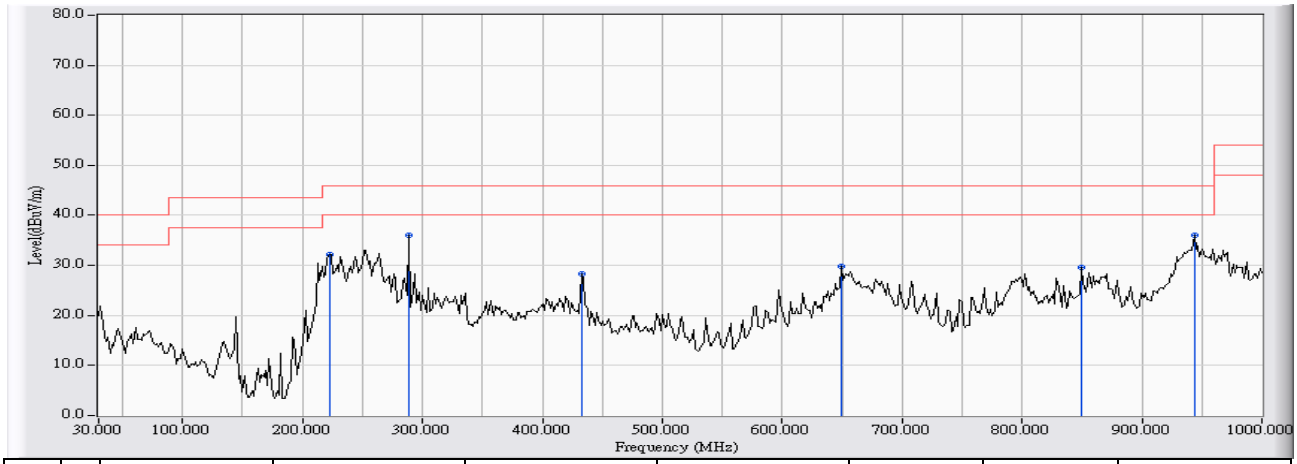
30MHz～1GHz as ±3.19dB

1GHz～26.5Ghz as ±3.9dB

4.7. Test Result

30MHz-1GHz Spurious

Site : Site 2	**Time : 2009/06/17 - 09:59**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2009) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B**

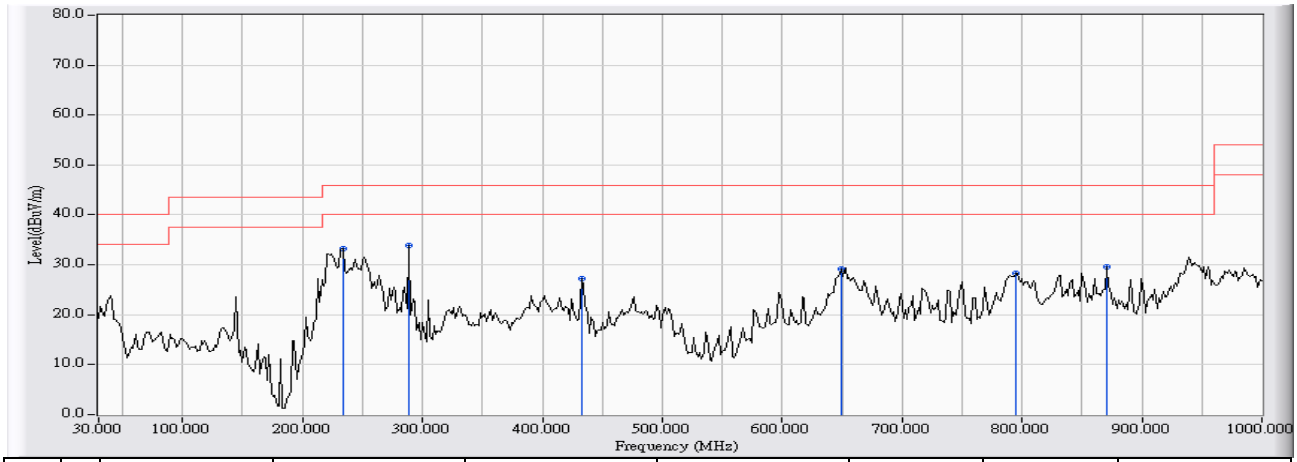


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		222.383	-13.847	46.015	32.168	-13.832	46.000	QUASIPEAK
2	*	288.667	-11.067	47.195	36.127	-9.873	46.000	QUASIPEAK
3		432.550	-6.382	34.736	28.354	-17.646	46.000	QUASIPEAK
4		649.183	-3.361	33.122	29.761	-16.239	46.000	QUASIPEAK
5		849.650	-1.137	30.639	29.501	-16.499	46.000	QUASIPEAK
6		943.417	1.652	34.324	35.977	-10.023	46.000	QUASIPEAK

Note:

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

Site : Site 2	**Time : 2009/06/17 - 10:02**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2009) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B**

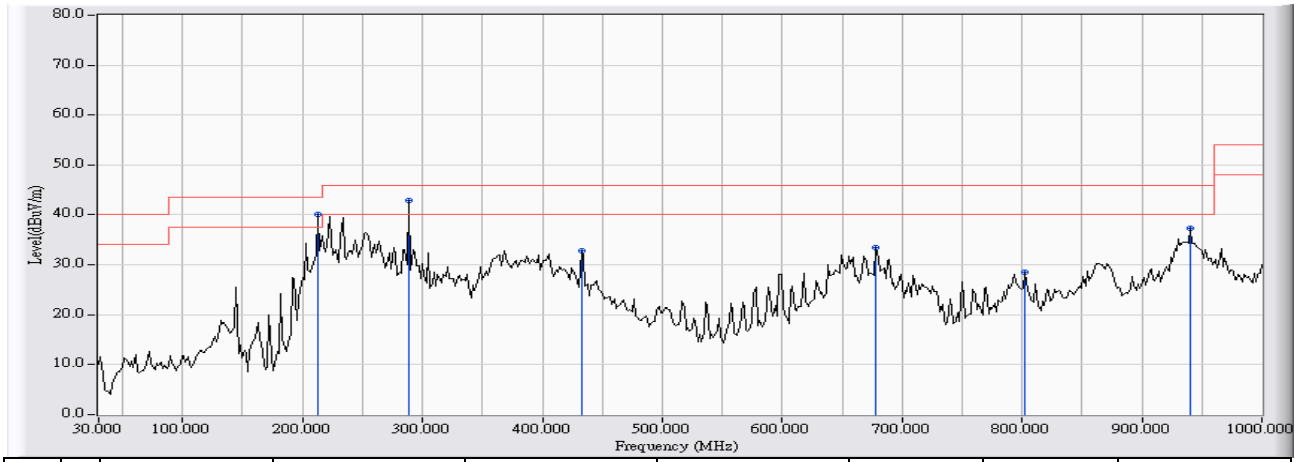


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		233.700	-12.173	45.497	33.323	-12.677	46.000	QUASIPEAK
2	*	288.667	-13.224	47.111	33.886	-12.114	46.000	QUASIPEAK
3		432.550	-7.019	34.297	27.277	-18.723	46.000	QUASIPEAK
4		649.183	-3.029	32.153	29.125	-16.875	46.000	QUASIPEAK
5		794.683	-6.128	34.446	28.317	-17.683	46.000	QUASIPEAK
6		870.667	-3.236	32.768	29.531	-16.469	46.000	QUASIPEAK

Note:

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

Site : Site 2	**Time : 2009/06/17 - 10:11**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2009) - HORIZONTAL	**Power : AC 120V / 60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G**

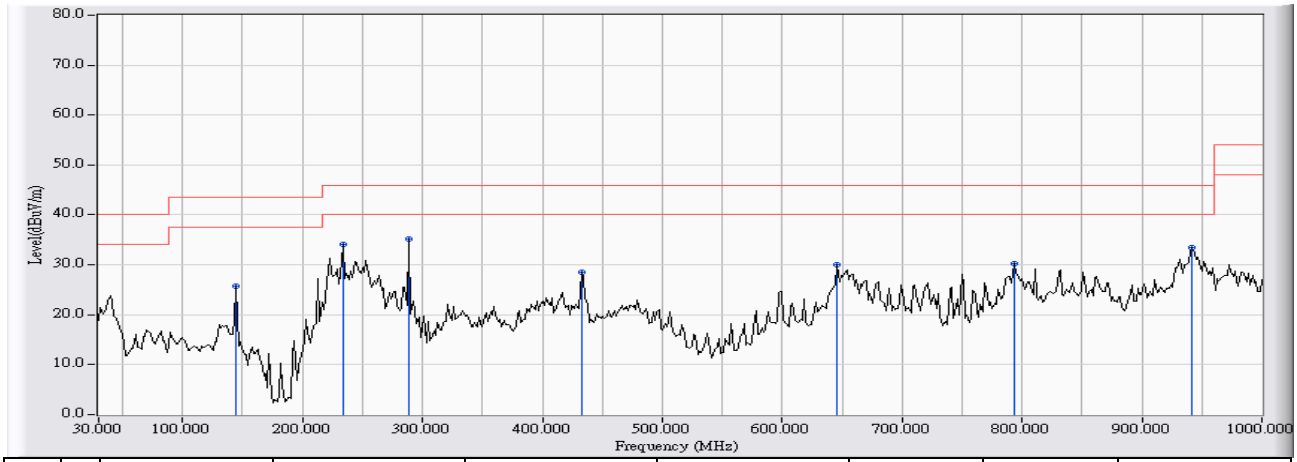


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		212.683	-15.345	55.506	40.160	-3.340	43.500	QUASIPEAK
2	*	288.667	-11.067	54.058	42.990	-3.010	46.000	QUASIPEAK
3		432.550	-6.382	39.132	32.750	-13.250	46.000	QUASIPEAK
4		678.283	-2.783	36.240	33.458	-12.542	46.000	QUASIPEAK
5		802.767	-5.206	33.806	28.600	-17.400	46.000	QUASIPEAK
6		940.183	1.178	36.149	37.327	-8.673	46.000	QUASIPEAK

Note:

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

Site : Site 2	**Time : 2009/06/17 - 10:14**
Limit : FCC_CLASS_B_03M_QP	**Margin : 6**
Probe : Site 2_FCC_30-1G(2009) - VERTICAL	**Power : AC 120V / 60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G**



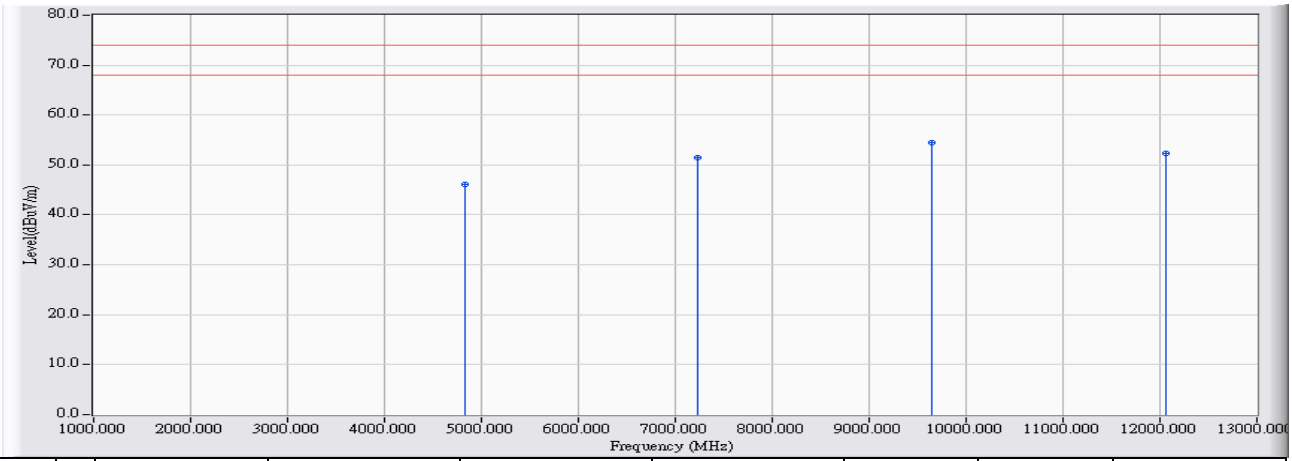
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		144.783	-13.902	39.667	25.765	-17.735	43.500	QUASIPEAK
2		233.700	-12.173	46.171	33.997	-12.003	46.000	QUASIPEAK
3	*	288.667	-13.224	48.403	35.178	-10.822	46.000	QUASIPEAK
4		432.550	-7.019	35.533	28.513	-17.487	46.000	QUASIPEAK
5		645.950	-2.821	32.803	29.982	-16.018	46.000	QUASIPEAK
6		793.067	-6.406	36.638	30.233	-15.767	46.000	QUASIPEAK
7		941.800	-3.030	36.403	33.372	-12.628	46.000	QUASIPEAK

Note:

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

Harmonic & Spurious:

Site : Site 2	**Time : 2009/06/01 - 14:09**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH_2412MHz-B(1M), Txpower : 19**

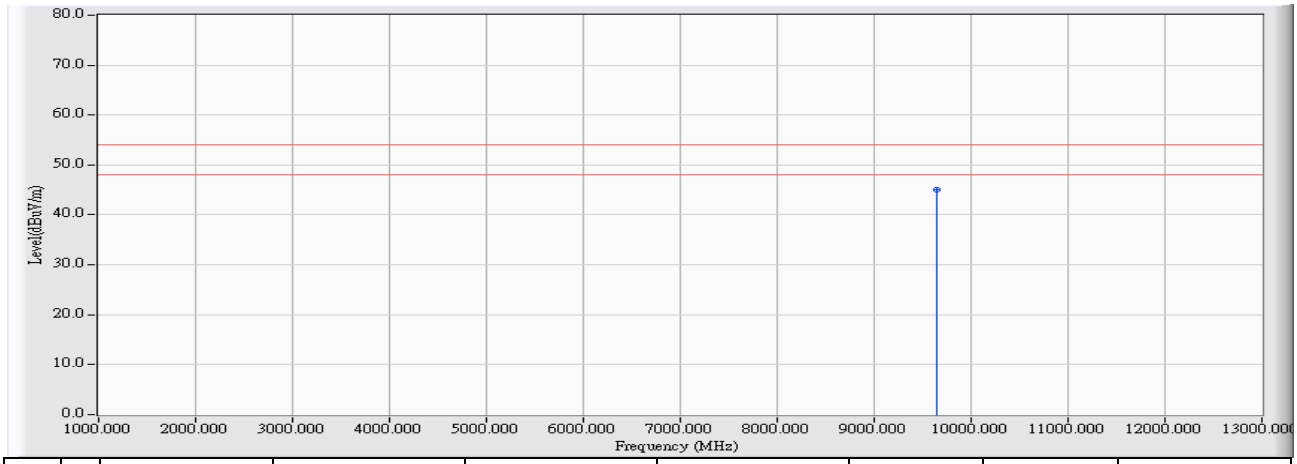


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.110	0.040	46.100	46.140	-27.860	74.000	PEAK
2		7236.920	7.266	44.290	51.556	-22.444	74.000	PEAK
3	*	9648.000	10.335	44.150	54.485	-19.515	74.000	PEAK
4		12060.214	11.957	40.270	52.226	-21.774	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 14:47**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH1_2412MHz-B(1M), Txpower : 19**

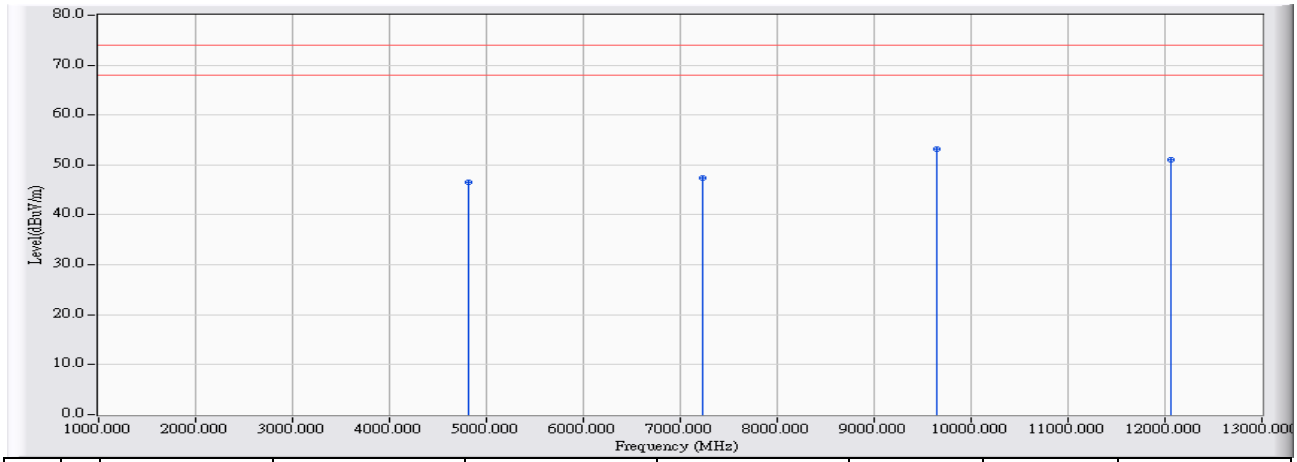


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9648.080	7.484	37.640	45.124	-8.876	54.000	AVERAGE

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.

Site : Site 2	**Time : 2009/06/01 - 14:38**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH1_2412MHz-B(1M), Txpower : 19**

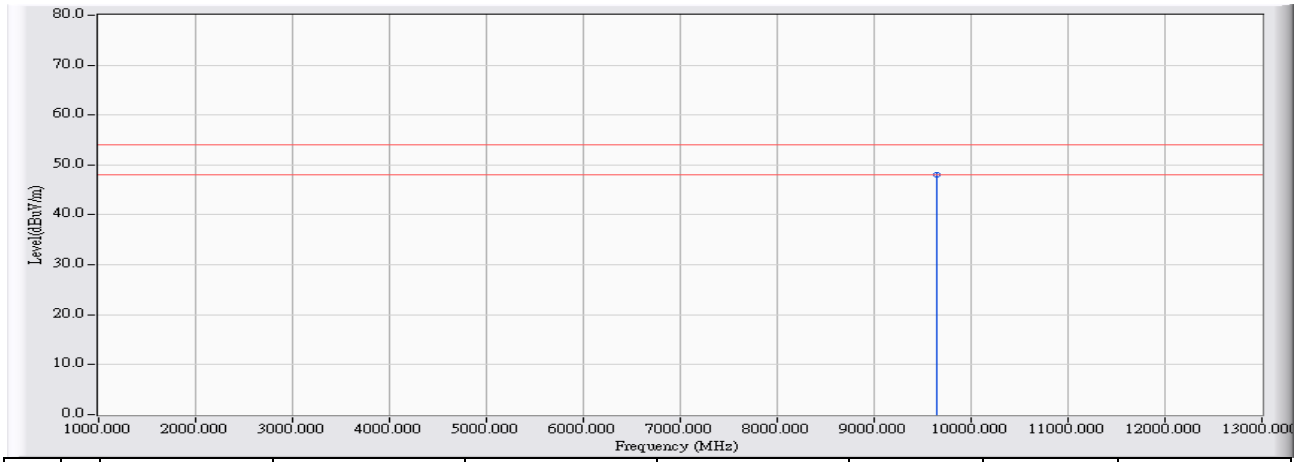


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4821.130	-0.075	46.640	46.564	-27.436	74.000	PEAK
2		7234.350	5.971	41.360	47.331	-26.669	74.000	PEAK
3	*	9648.020	7.701	45.490	53.191	-20.809	74.000	PEAK
4		12060.109	10.849	40.110	50.959	-23.041	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 14:39**
Limit : FCC_SpartC_15.247_H_03M_AV	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH1_2412MHz-B(1M), Txpower : 19**

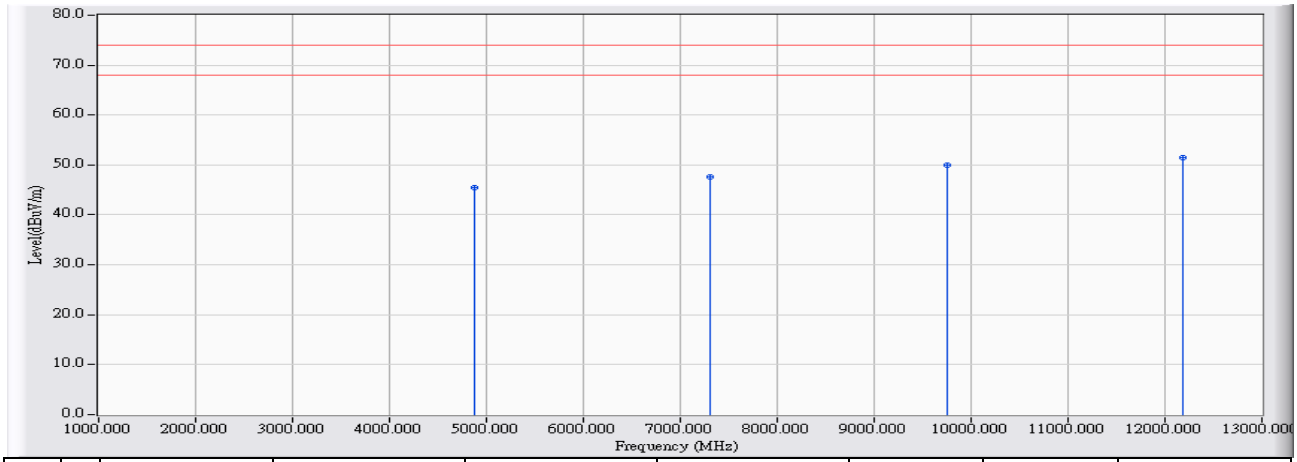


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	9648.060	7.701	40.400	48.101	-5.899	54.000	AVERAGE

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.

Site : Site 2	**Time : 2009/06/01 - 15:00**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH6_2437MHz-B(1M), Txpower : 19**

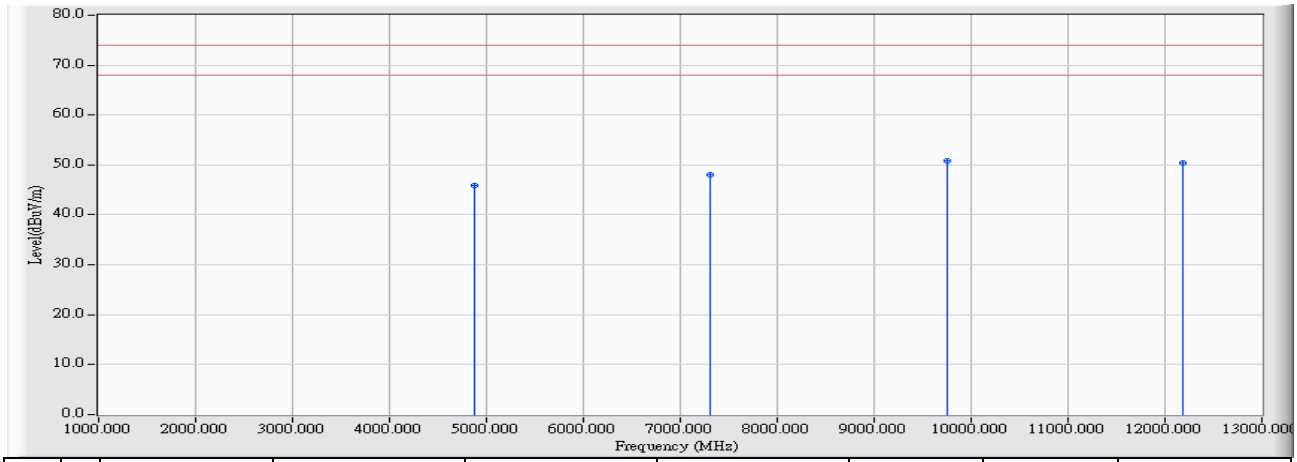


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.140	0.046	45.530	45.576	-28.424	74.000	PEAK
2		7312.000	6.409	41.300	47.709	-26.291	74.000	PEAK
3		9748.220	7.887	42.000	49.887	-24.113	74.000	PEAK
4	*	12185.270	11.462	40.067	51.529	-22.471	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 15:03**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH6_2437MHz-B(1M), Txpower : 19**

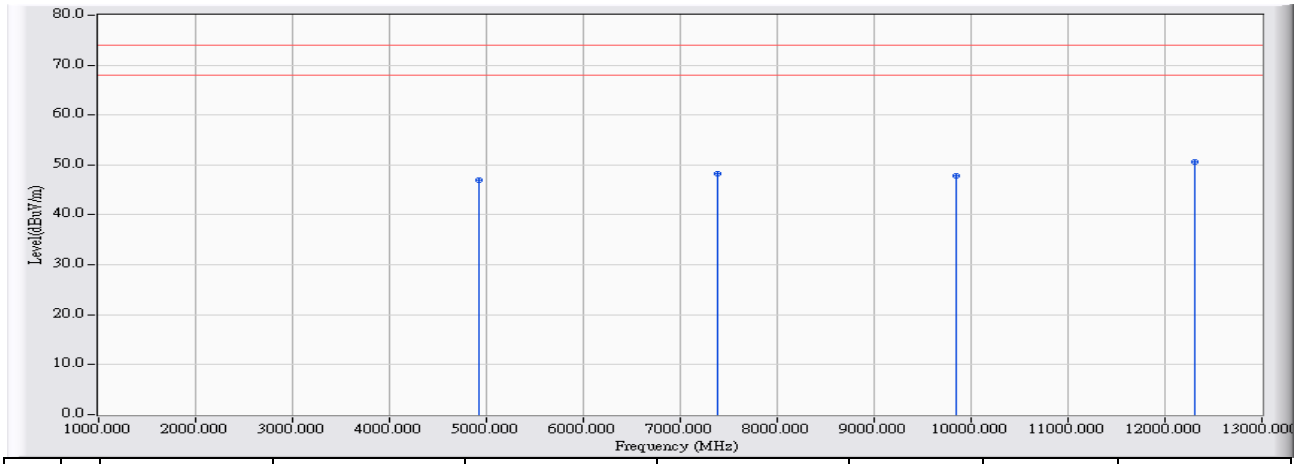


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.160	0.007	45.880	45.887	-28.113	74.000	PEAK
2		7310.180	6.180	41.900	48.080	-25.920	74.000	PEAK
3	*	9747.920	8.044	42.700	50.744	-23.256	74.000	PEAK
4		12185.310	10.377	40.037	50.415	-23.585	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 15:31**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH11_2462MHz-B(1M), Txpower : 19**

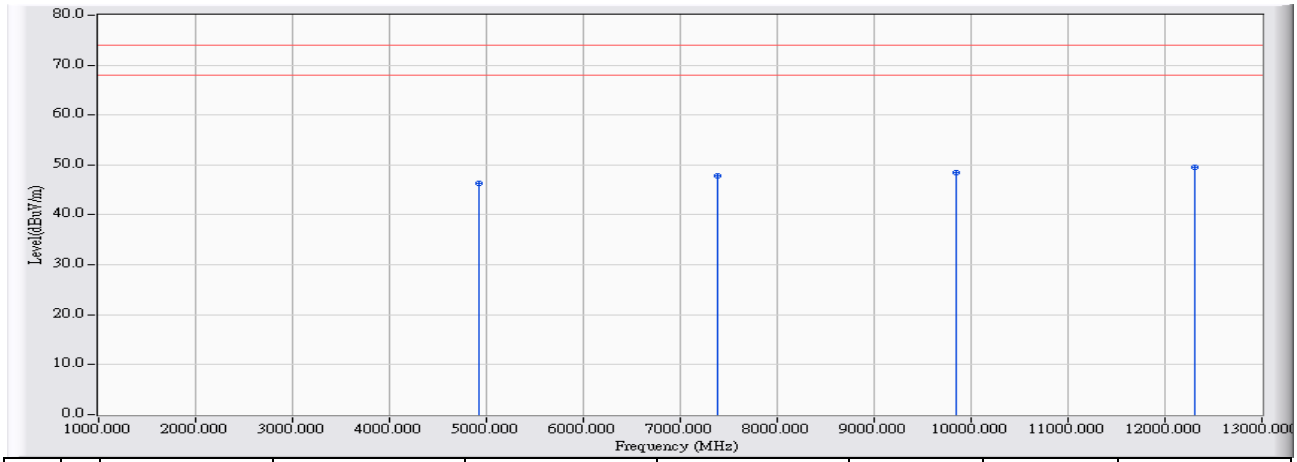


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.940	0.130	46.810	46.941	-27.059	74.000	PEAK
2		7383.880	6.923	41.280	48.203	-25.797	74.000	PEAK
3		9847.820	8.221	39.670	47.890	-26.110	74.000	PEAK
4	*	12310.057	10.456	40.267	50.723	-23.277	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 15:39**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH11_2462MHz-B(1M), Txpower : 19**

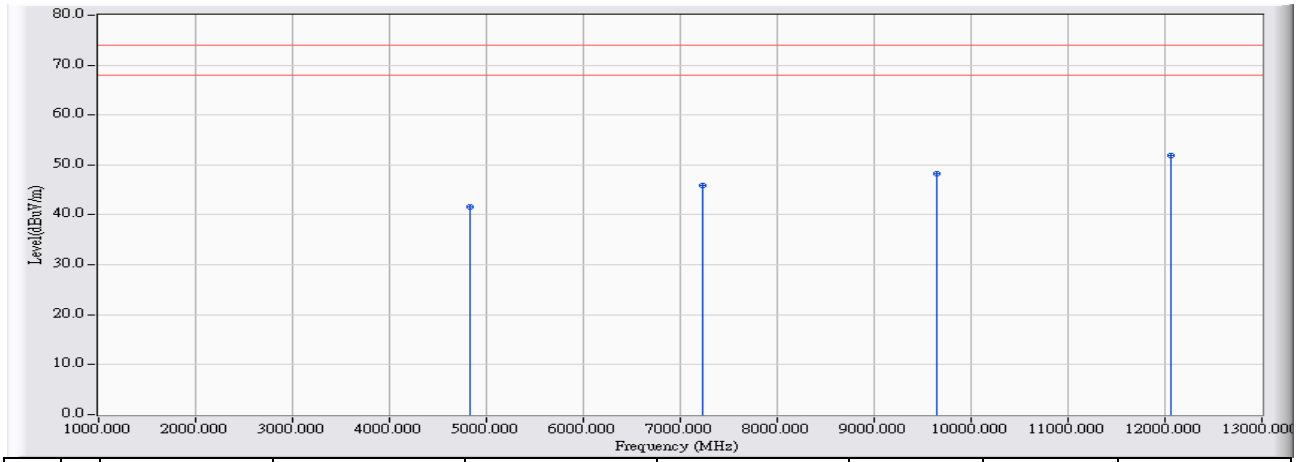


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4924.100	0.143	46.090	46.233	-27.767	74.000	PEAK
2		7388.240	6.427	41.480	47.907	-26.093	74.000	PEAK
3		9847.960	8.329	40.080	48.409	-25.591	74.000	PEAK
4	*	12310.271	9.374	40.219	49.593	-24.407	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 15:51**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH1_2412MHz-G(6M), Txpower : 13**

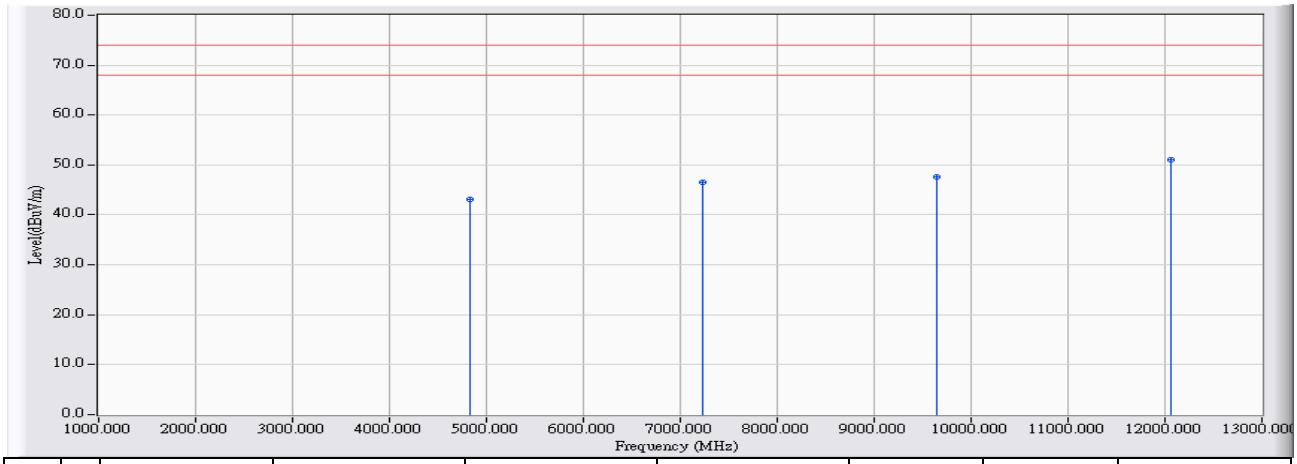


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4824.150	0.040	41.670	41.710	-32.290	74.000	PEAK
2		7234.950	5.883	39.960	45.843	-28.157	74.000	PEAK
3		9648.170	7.484	40.820	48.304	-25.696	74.000	PEAK
4	*	12060.172	11.957	40.037	51.993	-22.007	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 15:53**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH1_2412MHz-G(6M), Txpower : 13**

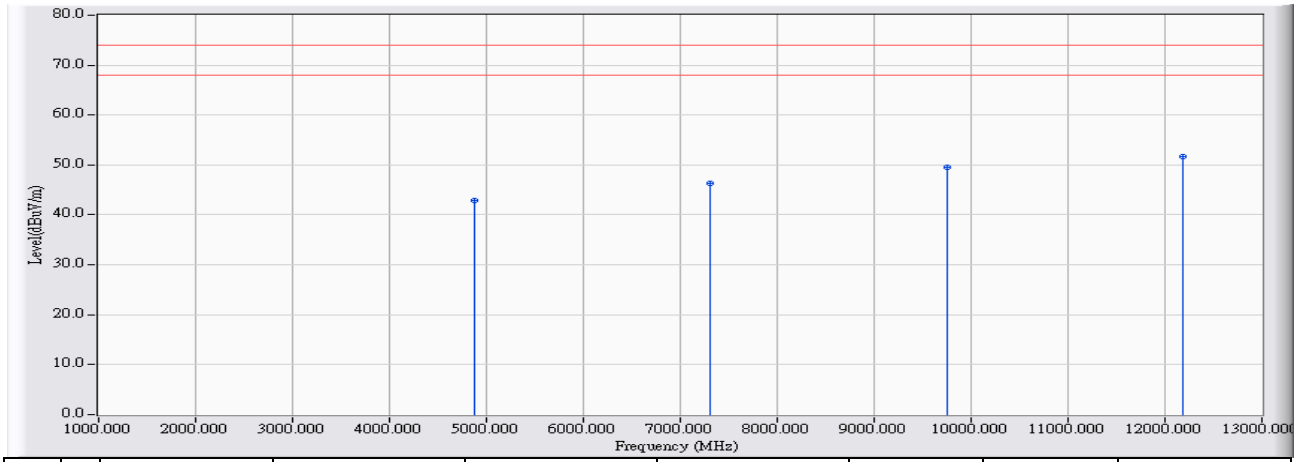


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4823.820	-0.071	43.160	43.090	-30.910	74.000	PEAK
2		7236.300	5.893	40.750	46.642	-27.358	74.000	PEAK
3		9648.040	7.484	40.030	47.513	-26.487	74.000	PEAK
4	*	12060.204	10.849	40.214	51.063	-22.937	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 16:11**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH6_2437MHz-G(6M), Txpower : 13**

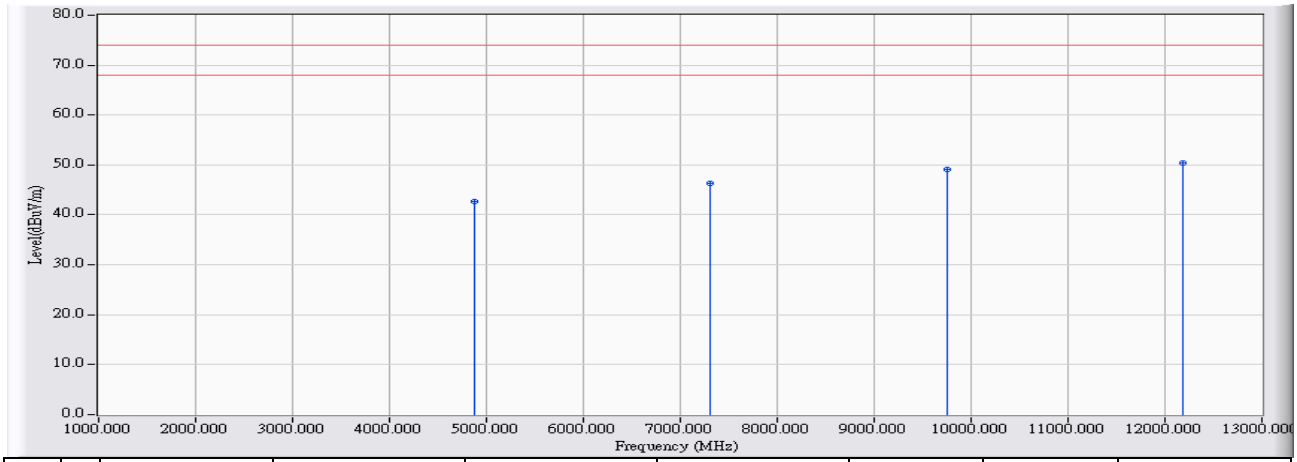


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4874.210	0.046	42.920	42.966	-31.034	74.000	PEAK
2		7311.140	6.403	39.990	46.392	-27.608	74.000	PEAK
3		9748.280	7.887	41.550	49.437	-24.563	74.000	PEAK
4	*	12185.218	11.462	40.134	51.596	-22.404	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 16:19**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH6_2437MHz-G(6M), Txpower : 13**

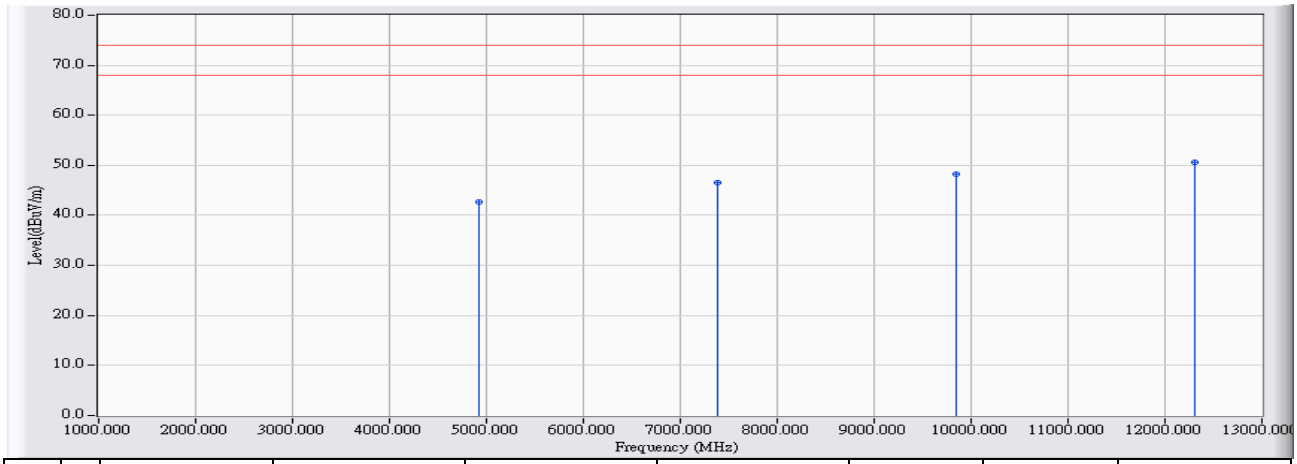


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4873.650	0.006	42.770	42.776	-31.224	74.000	PEAK
2		7310.700	6.182	40.070	46.252	-27.748	74.000	PEAK
3		9748.060	8.044	41.150	49.194	-24.806	74.000	PEAK
4	*	12185.247	10.378	40.057	50.435	-23.565	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 16:30**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - HORIZONTAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH11_2462MHz-G(6M), Txpower : 13**

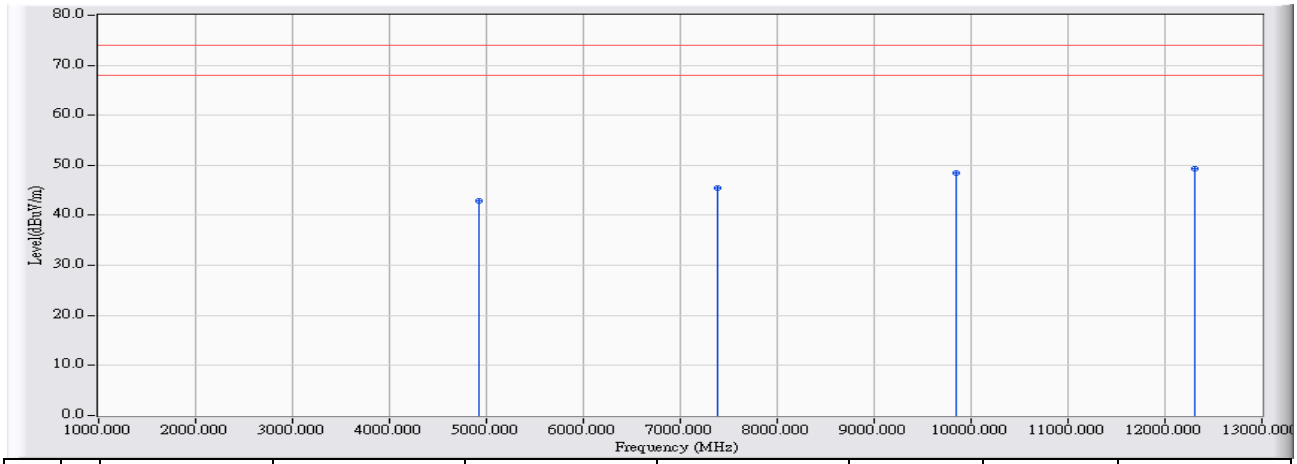


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4921.500	0.120	42.520	42.640	-31.360	74.000	PEAK
2		7385.880	6.940	39.640	46.579	-27.421	74.000	PEAK
3		9848.110	8.221	40.070	48.291	-25.709	74.000	PEAK
4	*	12310.214	10.455	40.240	50.695	-23.305	74.000	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.

Site : Site 2	**Time : 2009/06/01 - 16:36**
Limit : FCC_SpartC_15.247_H_03M_PK	**Margin : 6**
Probe : Site 2_FCC_1-18G(2009-01) - VERTICAL	**Power : AC 120V/60Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-CH11_2462MHz-G(6M), Txpower : 13**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		4923.640	0.140	42.860	43.000	-31.000	74.000	PEAK
2		7386.540	6.421	39.000	45.420	-28.580	74.000	PEAK
3		9847.810	8.329	40.040	48.368	-25.632	74.000	PEAK
4	*	12310.240	9.375	40.024	49.399	-24.601	74.000	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.

5. RF antenna conducted test

5.1. Test Equipment

The following test equipments are used during the test:

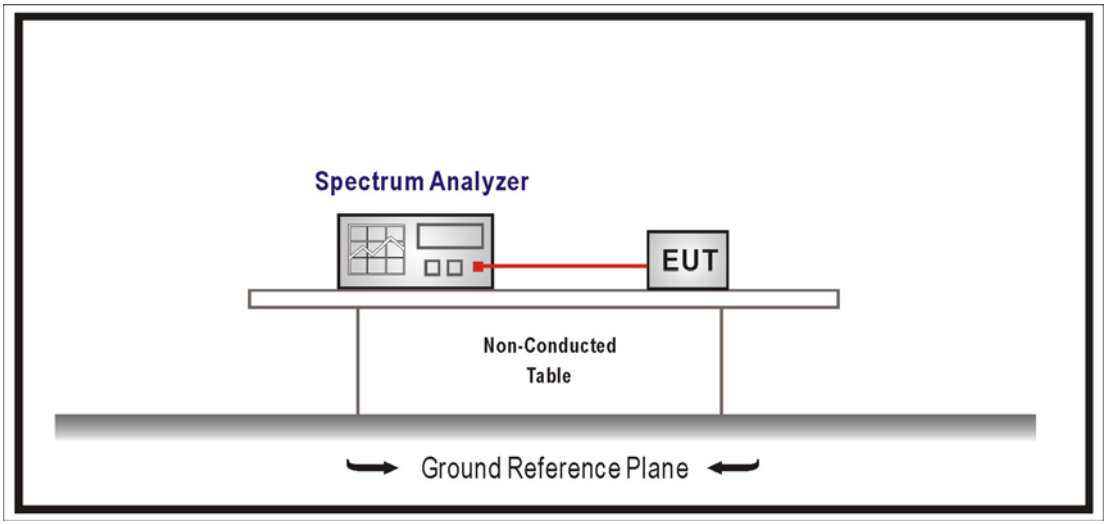
RF Conducted Measurement:				
Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2009
2	No.1 OATS			Sep., 2008

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

2. Test instruments are marked with “X” are used to measure the final test results.

5.2. Test Setup

RF Antenna Conducted Measurement:



5.3. Limits

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

5.4. Test Procedure

The EUT 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. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2008

5.6. Uncertainty

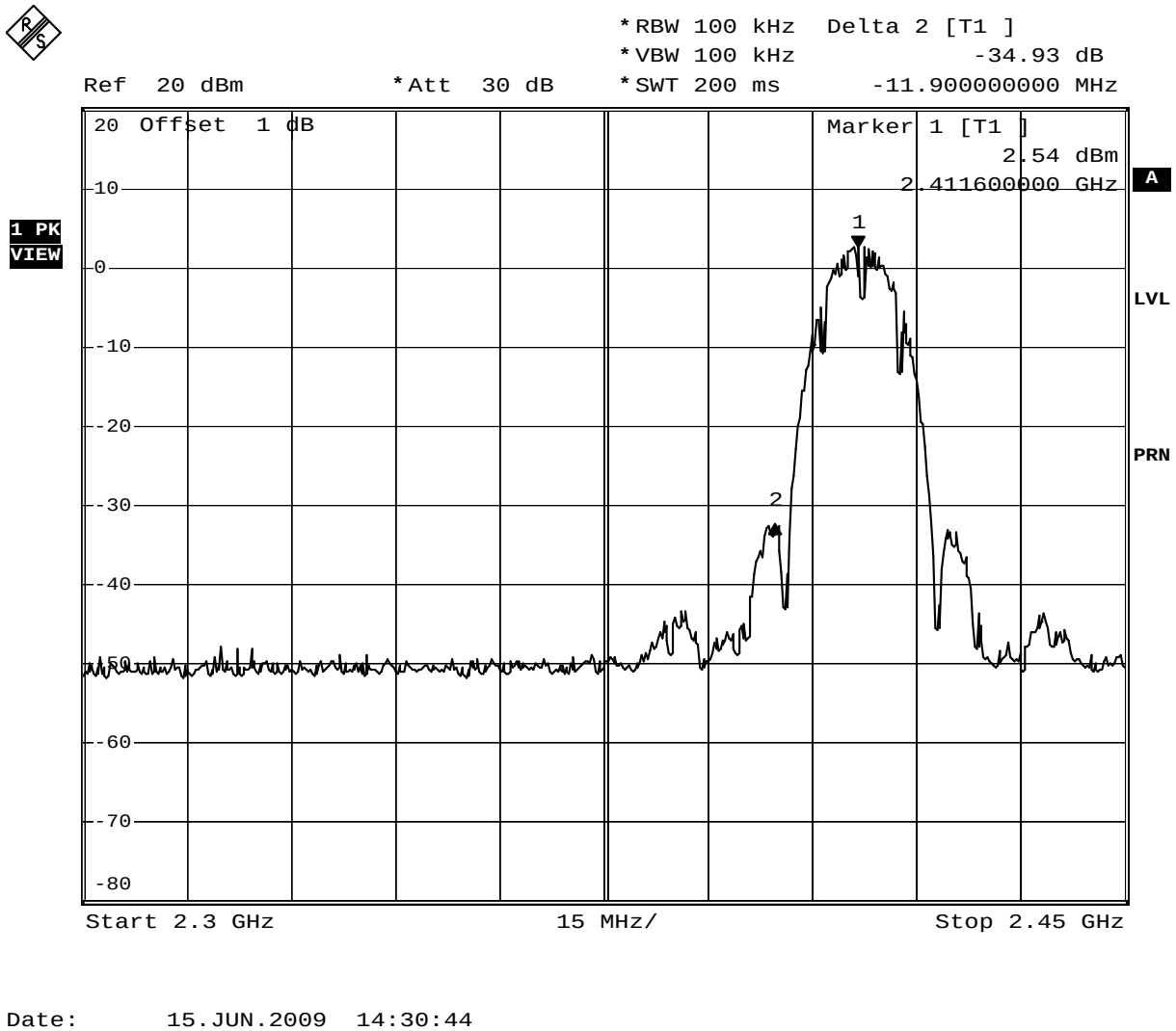
The measurement uncertainty
Conducted is defined as ± 1.27dB
Radiated is defined as ± 3.9dB

5.7. Test Result

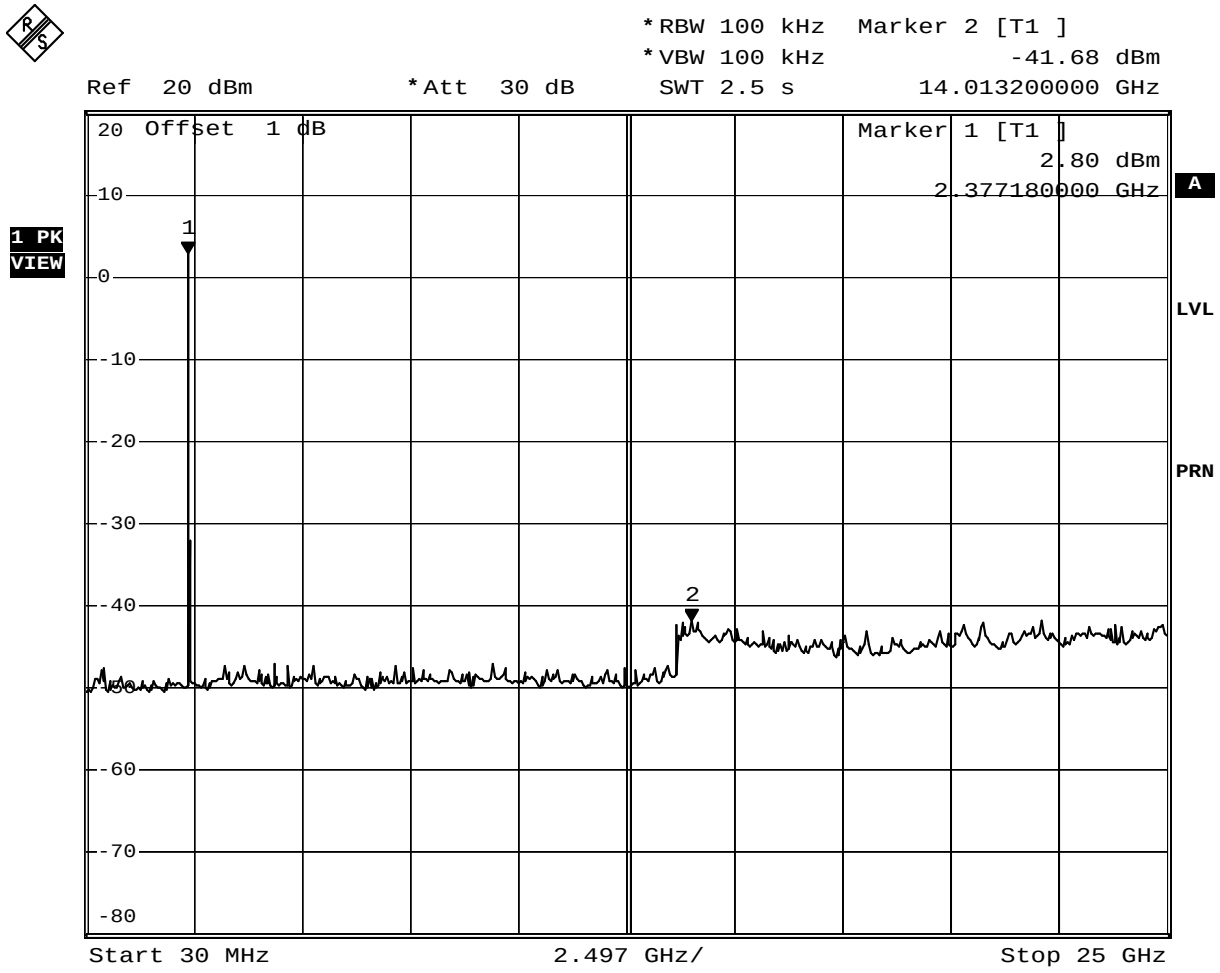
Product	DIGITAL MEDIA FRAME		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2009/06/16	Test Site	No.1 OATS

IEEE 802.11b, Antenna Gain: 2.02dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	34.93	≧30	Pass
11	2462	48.27	≧30	Pass

Channel 01 (2412MHz) -Bandedge

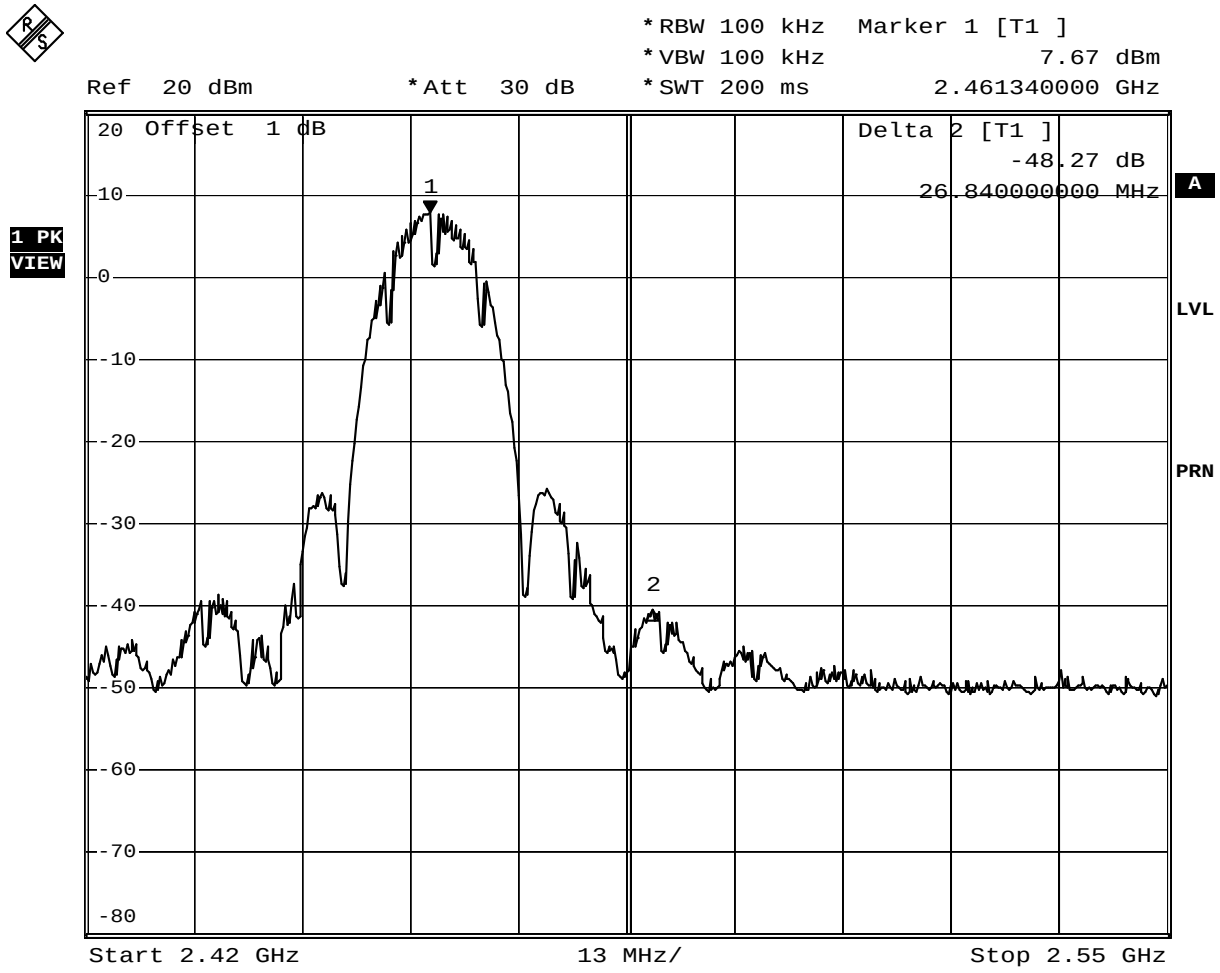


Channel 01 (2412MHz)-(30M-25G)



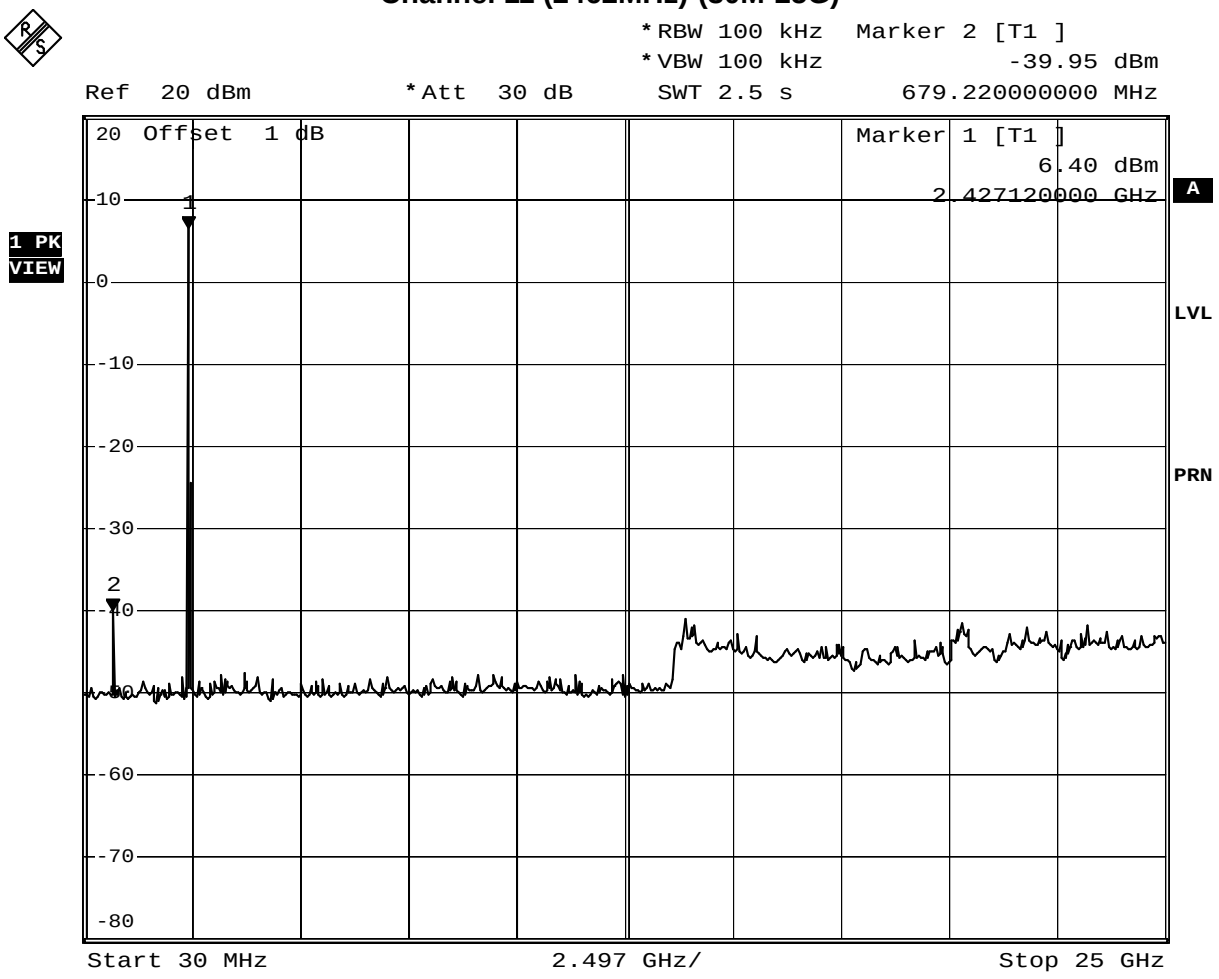
Date: 15.JUN.2009 14:27:30

Channel 11 (2462MHz) -Bandedge



Date: 15.JUN.2009 15:23:16

Channel 11 (2462MHz)-(30M-25G)

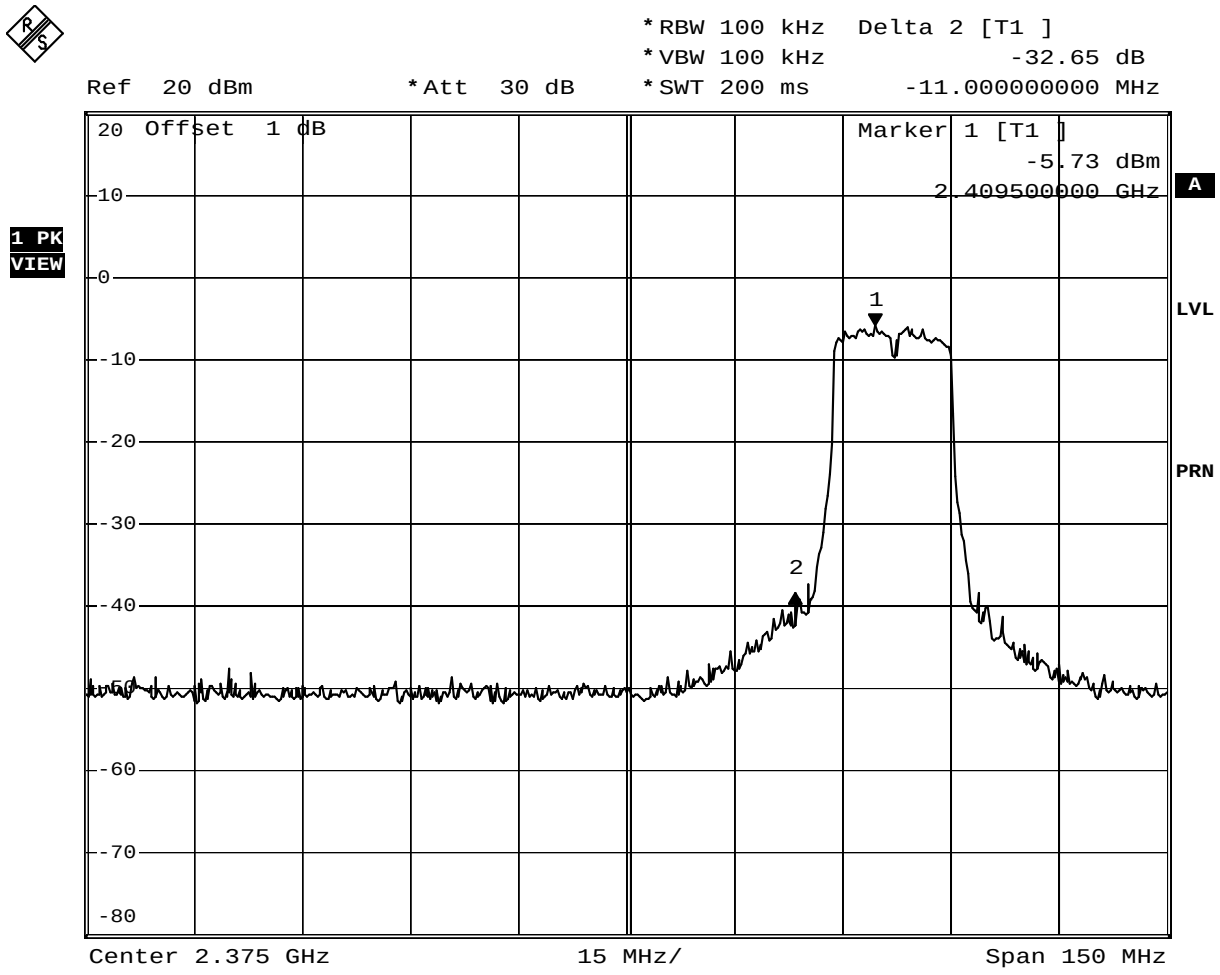


Date: 15.JUN.2009 15:24:25

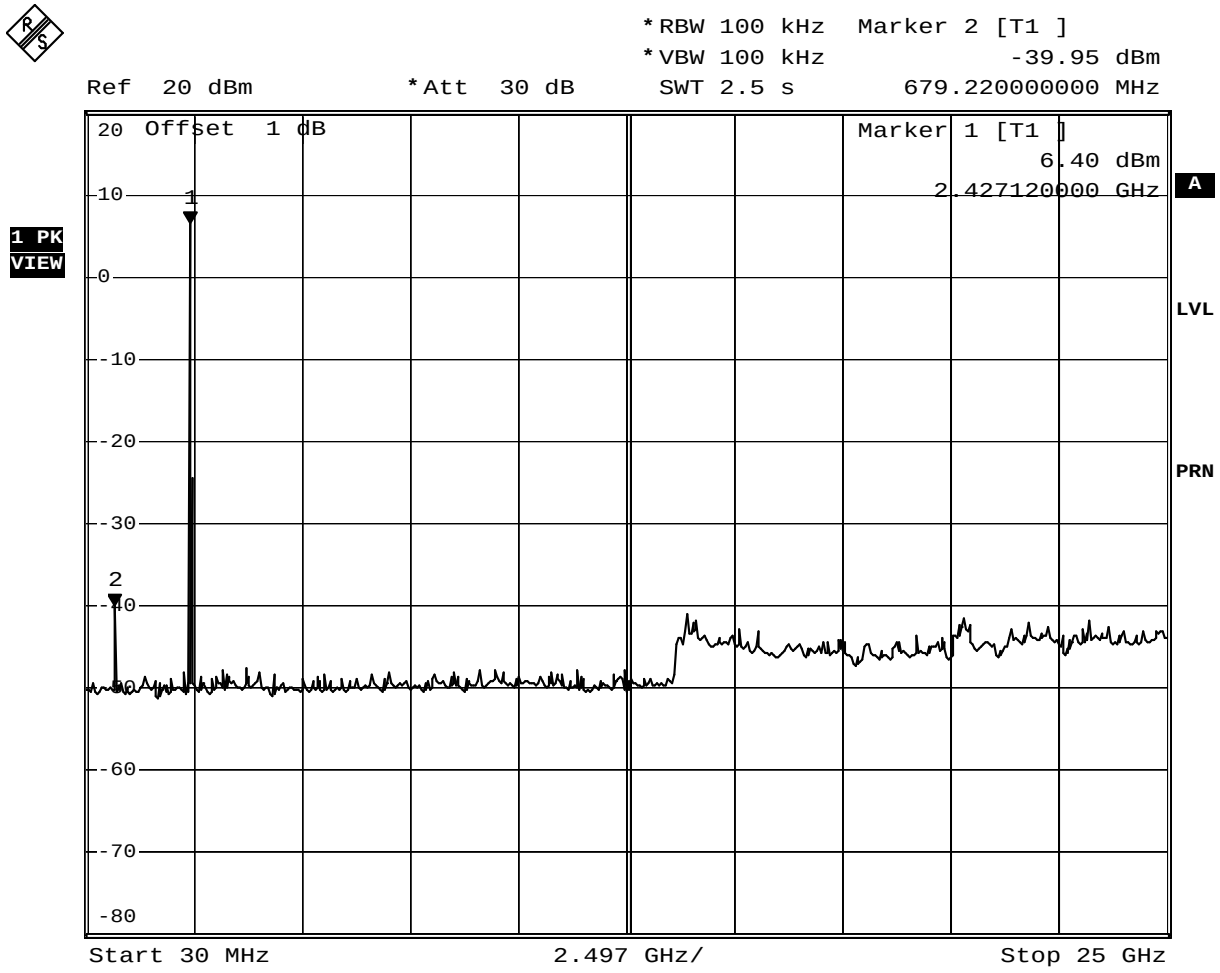
Product	DIGITAL MEDIA FRAME		
Test Item	RF antenna conducted test		
Test Mode	Transmit		
Date of Test	2006/06/16	Test Site	No.1 OATS

IEEE 802.11g, Antenna Gain: 2.02dBi, Duty Cycle: 1				
Channel No.	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)	Result
1	2412	32.65	≧30	Pass
11	2462	44.27	≧30	Pass

Channel 01 (2412MHz)-Bandedge

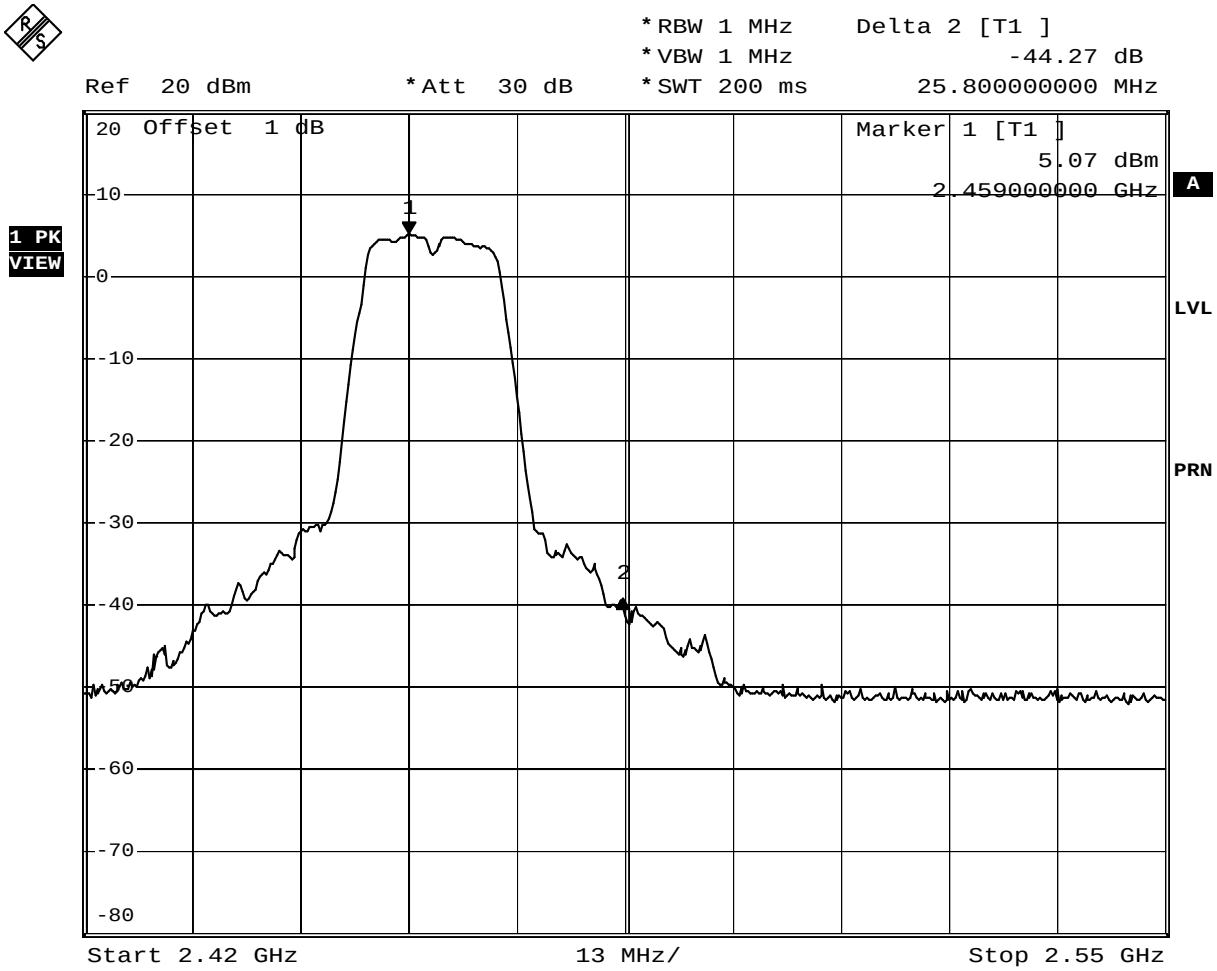


Channel 01 (2412MHz)-(30M-25G)



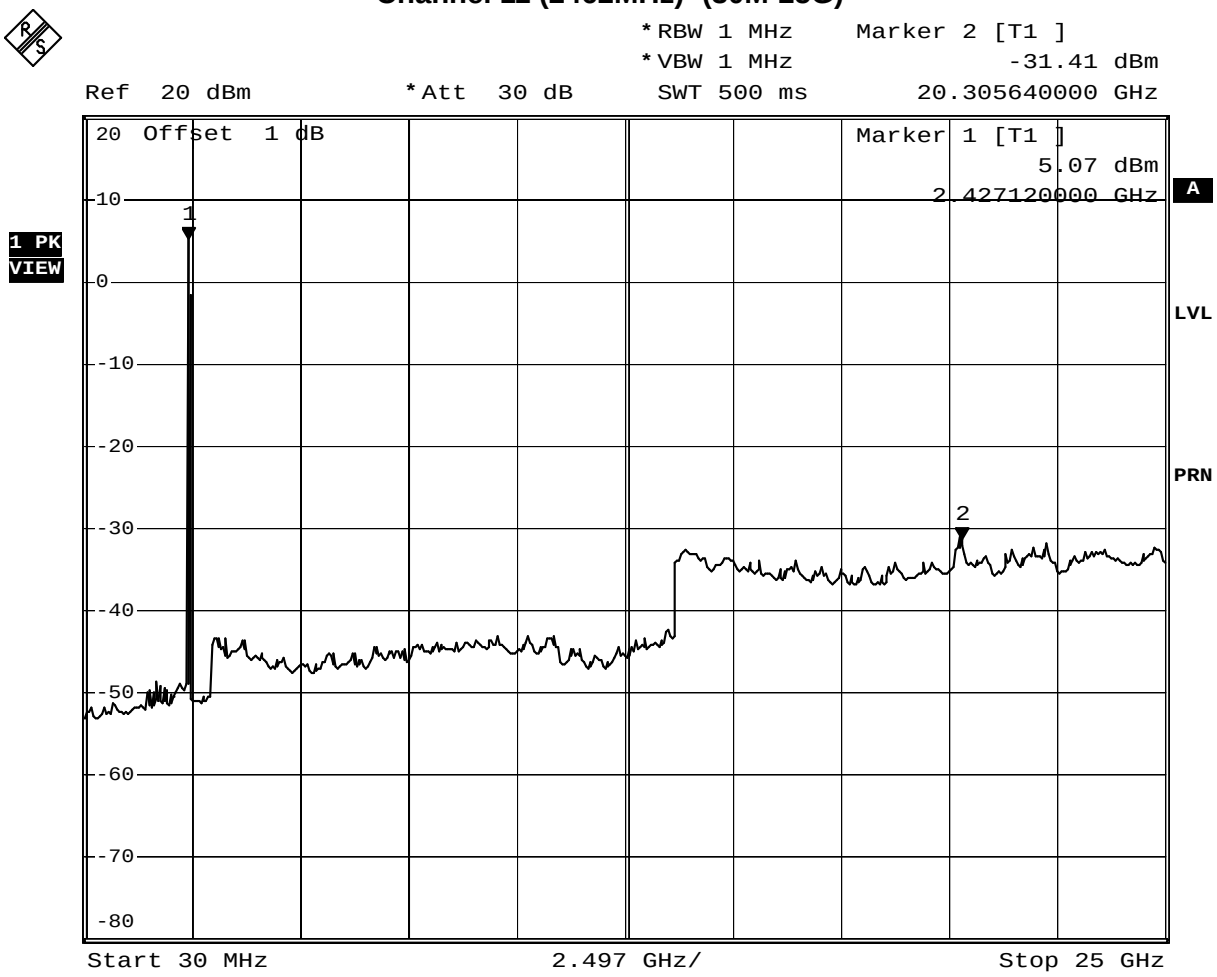
Date: 15.JUN.2009 15:24:25

Channel 11 (2462MHz) -Bandedge



Date: 15.JUN.2009 17:08:06

Channel 11 (2462MHz) -(30M-25G)



Date: 15.JUN.2009 17:11:26

6. Band Edge

6.1. Test Equipment

The following test equipments are used during the test:

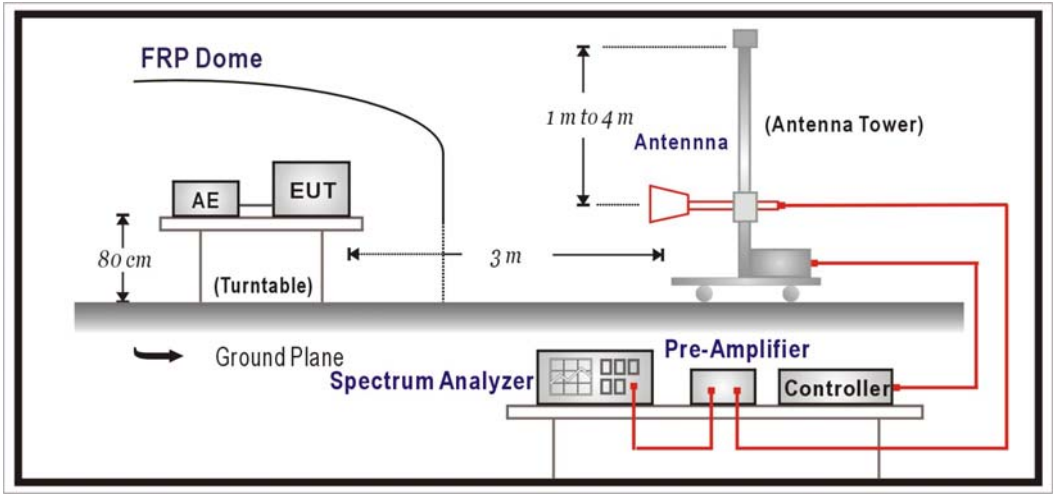
RF Radiated Measurement:					
Item	Equipment		Manufacturer	Model No. / Serial No.	Last Cal.
1	X	Spectrum Analyzer	R & S	FSP40 / 100005	Aug., 2008
2	X	Pre-Amplifier	HP	8449B / 3008A01123	Feb., 2009
3		Loop Antenna	R & S	HFH2-Z2 / 833799/004	Sep., 2008
4		BiconiLog Antenna	Schwarzbeck	VULB 9166 / 1061	Sep., 2008
5		Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2008
6	X	Horn Antenna	Schwarzbeck	BBHA 9120D / BBHA9120D312	Sep., 2008
7	No.1 OATS				Sep., 2008

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

2. Test instruments are marked with “X” are used to measure the final test results.

6.2. Test Setup

RF Radiated Measurement:



6.3. Limits

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

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 and its simulators are placed on a turn table which is 0.8 meter above ground.
The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2008

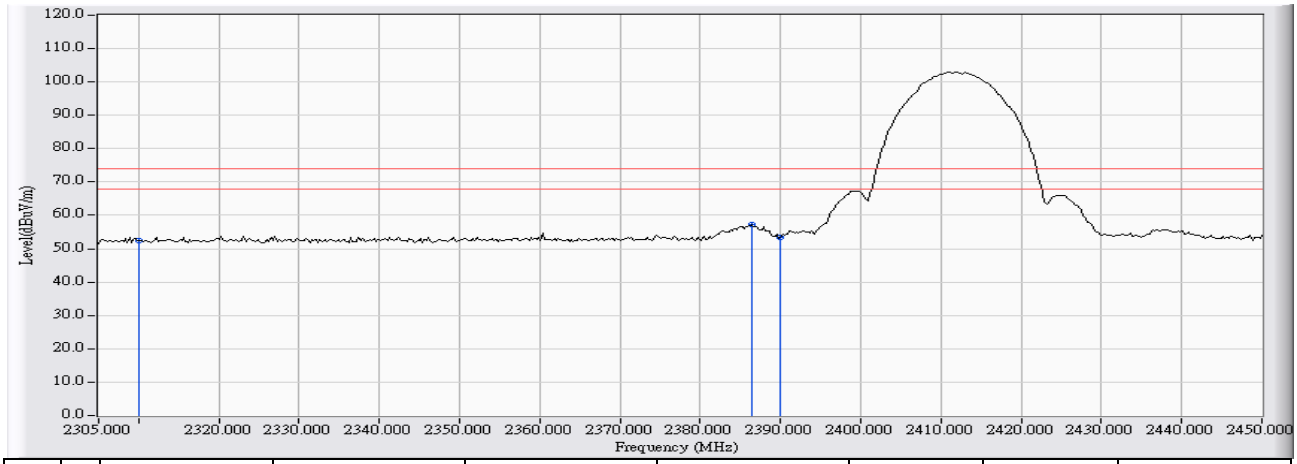
6.6. Uncertainty

The measurement uncertainty
± 3.9 dB above 1GHz

6.7. Test Result

Radiated is defined as

Site : SITE1	**Time : 2009/06/17 - 11:30**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH1**

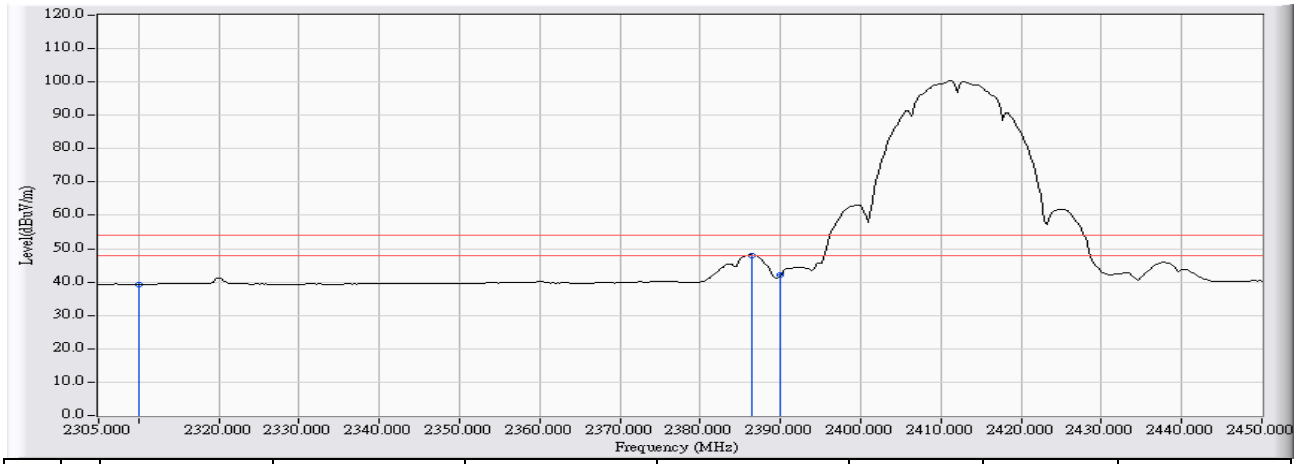


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.154	25.367	52.521	-21.479	74.000	PEAK
2	*	2386.442	27.531	29.587	57.119	-16.881	74.000	PEAK
3		2390.000	27.549	25.882	53.431	-20.569	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 11:30**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH1**

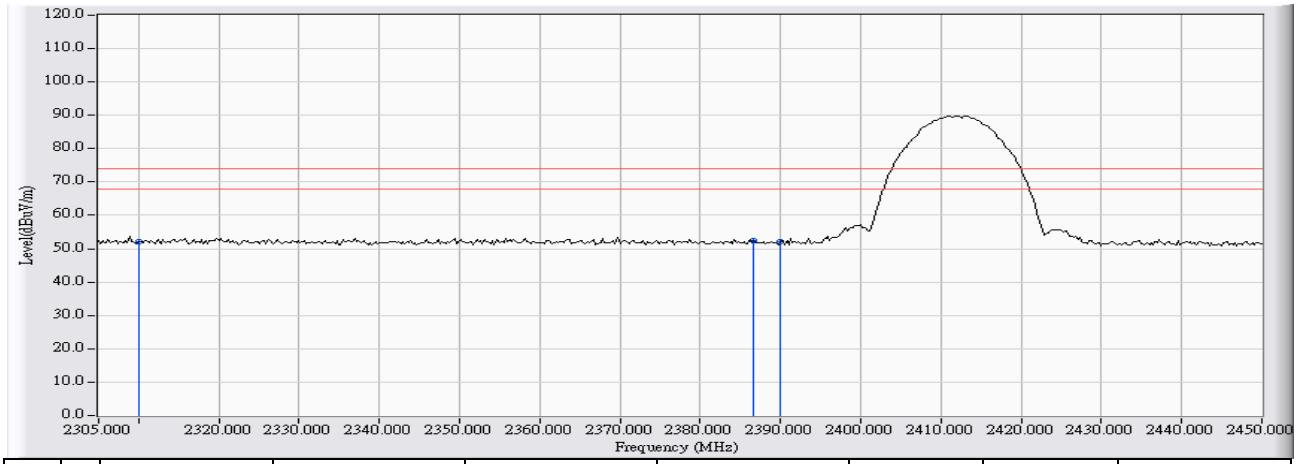


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.154	12.178	39.332	-14.668	54.000	AVERAGE
2	*	2386.442	27.531	20.550	48.082	-5.918	54.000	AVERAGE
3		2390.000	27.549	14.466	42.015	-11.985	54.000	AVERAGE

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.

Site : SITE1	**Time : 2009/06/17 - 13:21**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH1**

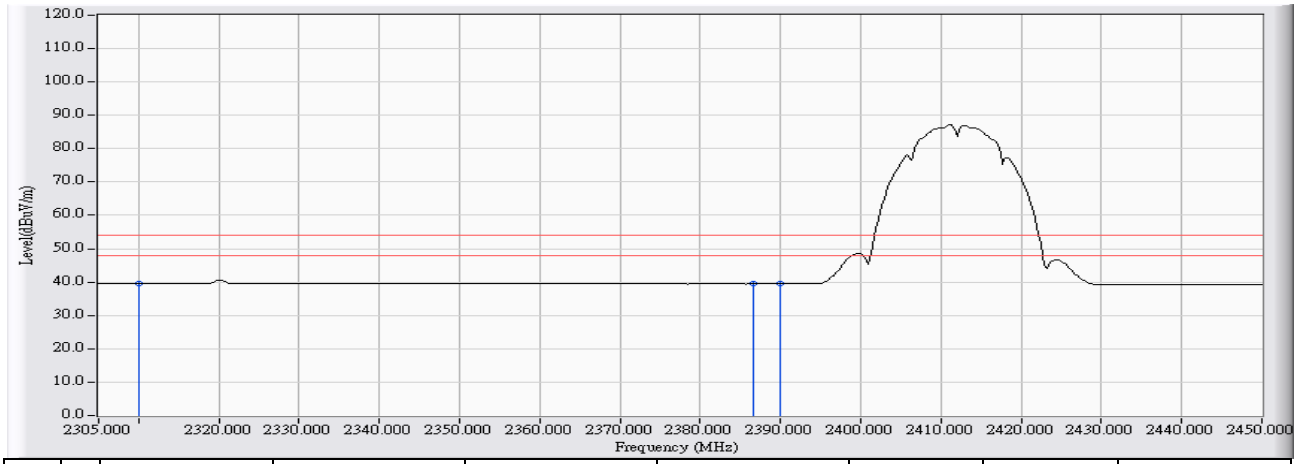


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.780	24.272	52.052	-21.948	74.000	PEAK
2	*	2386.683	27.387	25.068	52.456	-21.544	74.000	PEAK
3		2390.000	27.371	24.838	52.208	-21.792	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 13:21**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH1**

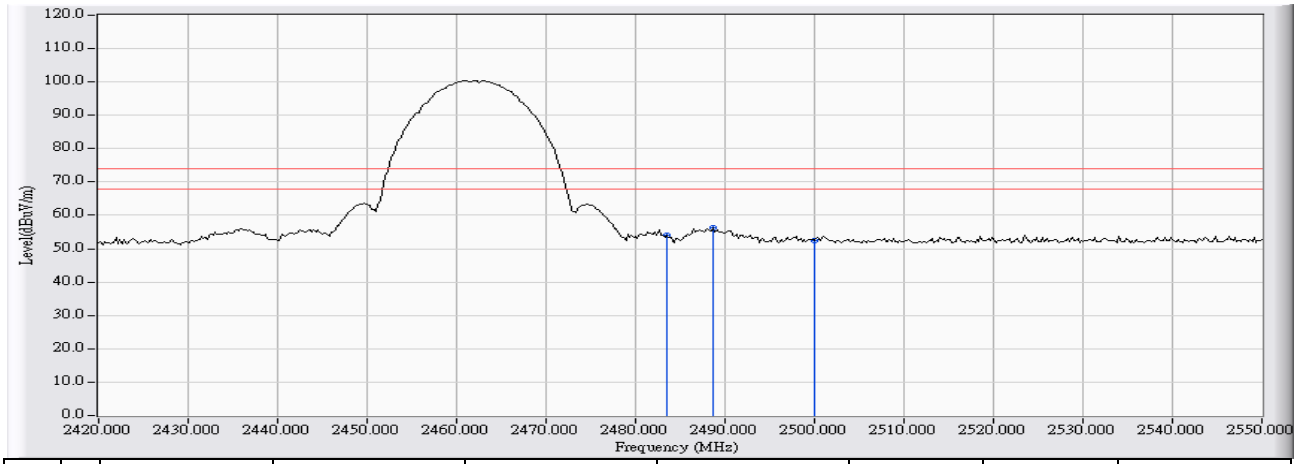


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2310.000	27.780	11.824	39.604	-14.396	54.000	AVERAGE
2		2386.683	27.387	12.053	39.441	-14.559	54.000	AVERAGE
3		2390.000	27.371	12.068	39.438	-14.562	54.000	AVERAGE

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.

Site : SITE1	**Time : 2009/06/17 - 13:56**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH11**

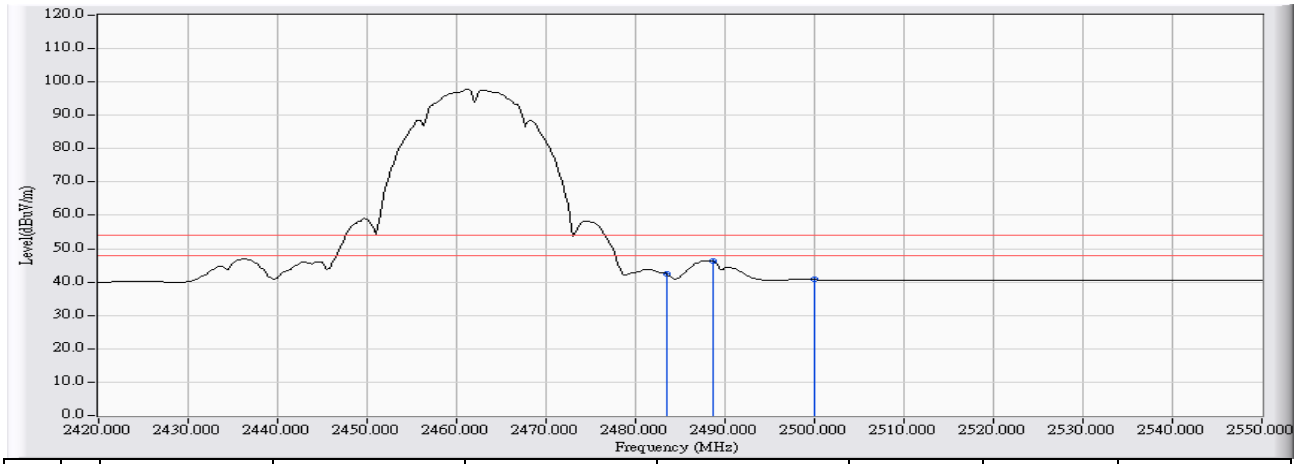


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	28.018	26.086	54.104	-19.896	74.000	PEAK
2	*	2488.683	28.043	28.359	56.402	-17.598	74.000	PEAK
3		2500.000	28.097	24.469	52.566	-21.434	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 13:57**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH11**

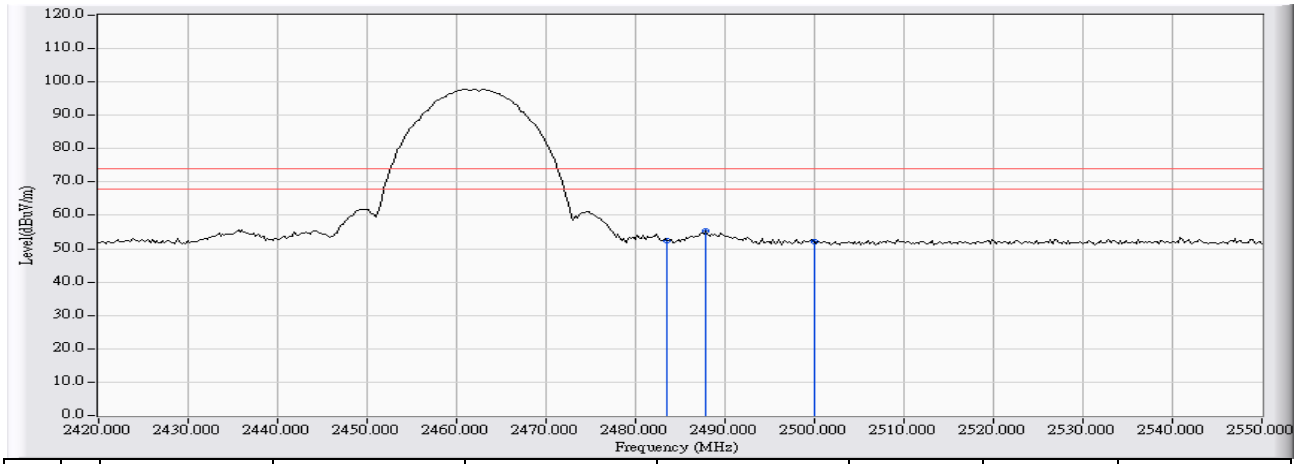


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	28.018	14.331	42.349	-11.651	54.000	AVERAGE
2	*	2488.683	28.043	18.126	46.169	-7.831	54.000	AVERAGE
3		2500.000	28.097	12.676	40.773	-13.227	54.000	AVERAGE

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.

Site : SITE1	**Time : 2009/06/17 - 13:33**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH11**

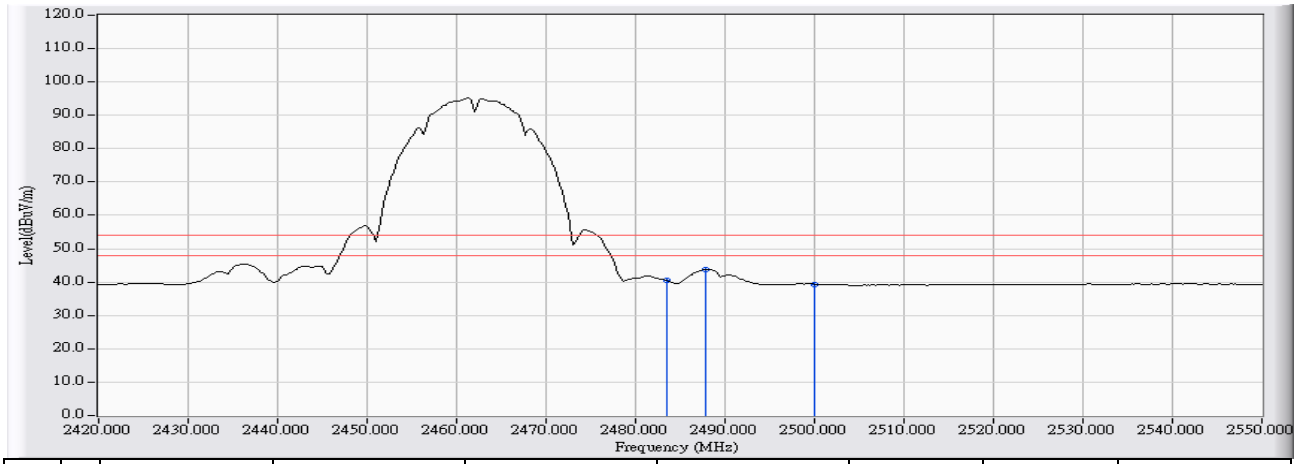


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	26.896	25.583	52.480	-21.520	74.000	PEAK
2	*	2487.817	26.871	28.310	55.181	-18.819	74.000	PEAK
3		2500.000	26.834	25.234	52.068	-21.932	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 13:34**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-B-CH11**

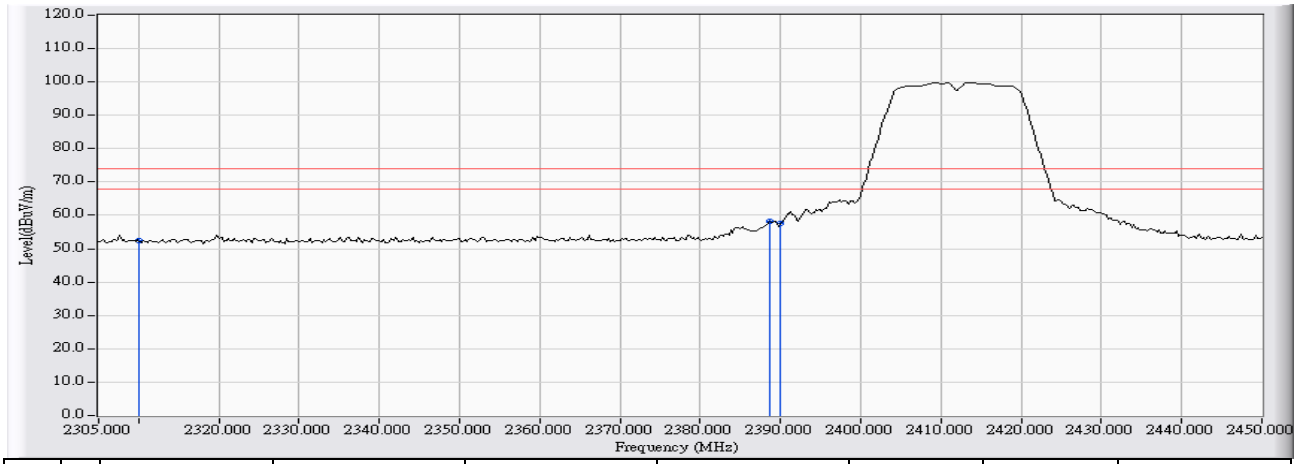


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	26.896	13.537	40.434	-13.566	54.000	AVERAGE
2	*	2487.817	26.871	16.829	43.700	-10.300	54.000	AVERAGE
3		2500.000	26.834	12.534	39.368	-14.632	54.000	AVERAGE

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.

Site : SITE1	**Time : 2009/06/17 - 12:00**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH1**

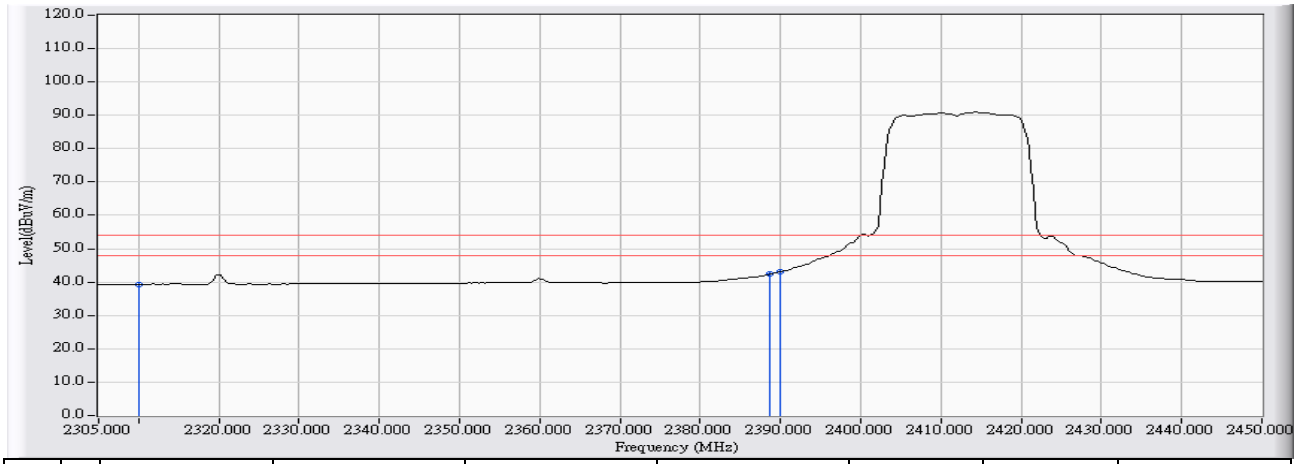


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.154	25.153	52.307	-21.693	74.000	PEAK
2	*	2388.617	27.542	30.734	58.276	-15.724	74.000	PEAK
3		2390.000	27.549	30.003	57.552	-16.448	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 12:00**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH1**

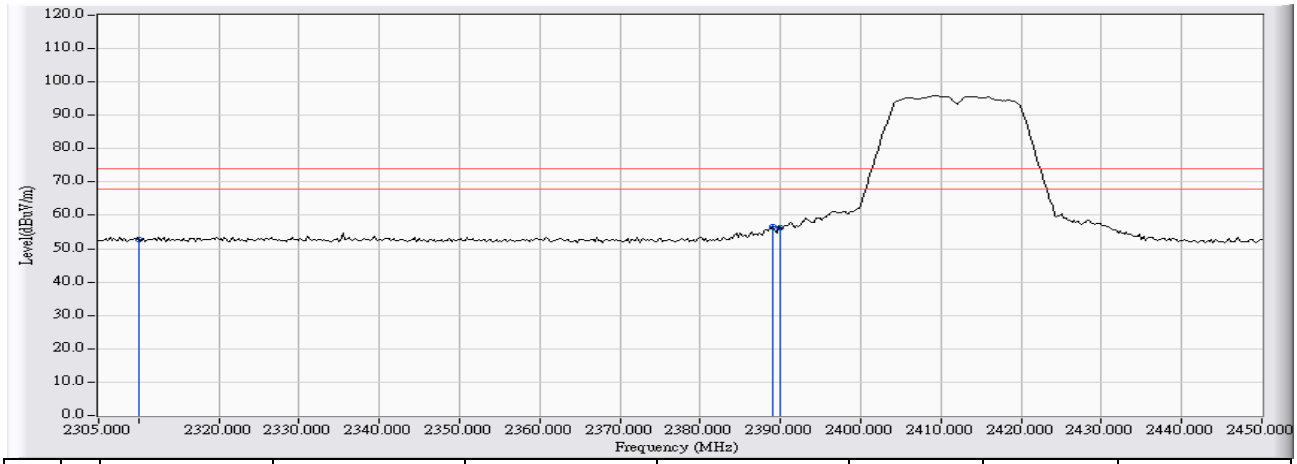


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.154	12.196	39.350	-14.650	54.000	AVERAGE
2		2388.617	27.542	14.767	42.309	-11.691	54.000	AVERAGE
3	*	2390.000	27.549	15.528	43.077	-10.923	54.000	AVERAGE

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.

Site : SITE1	**Time : 2009/06/17 - 13:14**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH1**

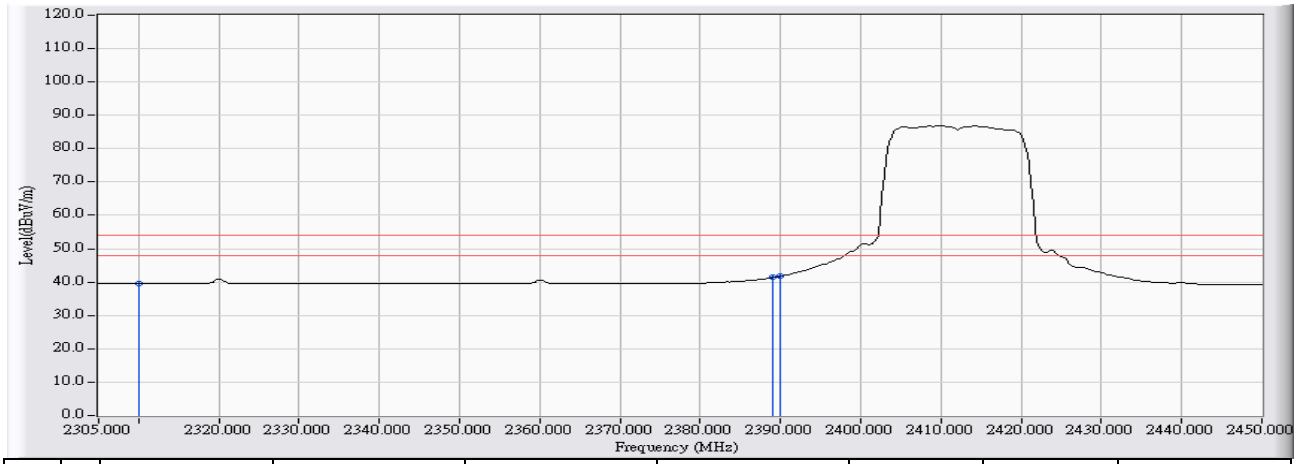


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.780	24.994	52.774	-21.226	74.000	PEAK
2	*	2389.100	27.375	29.370	56.745	-17.255	74.000	PEAK
3		2390.000	27.371	28.880	56.250	-17.750	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 13:14**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH1**

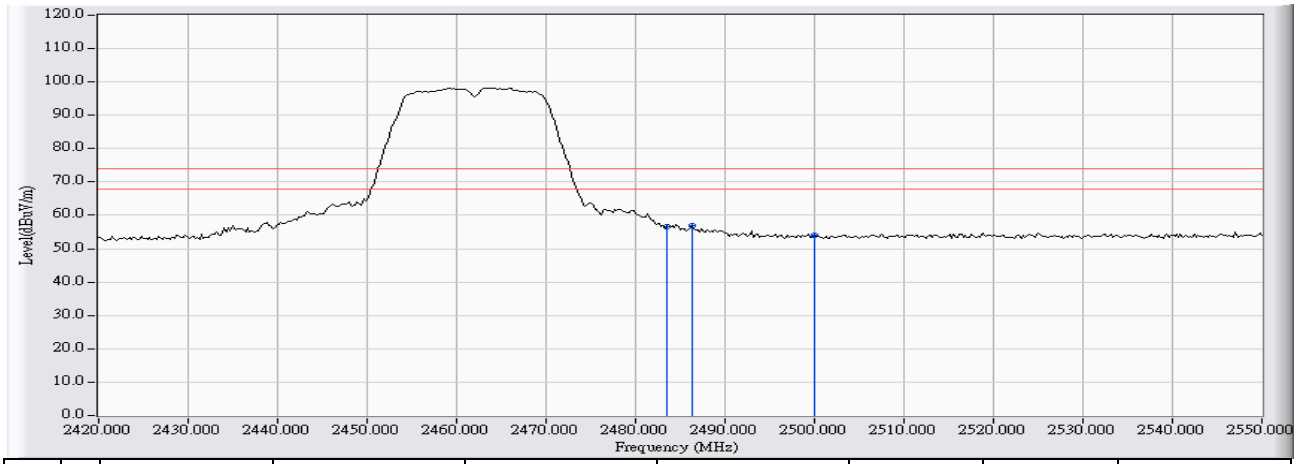


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	27.780	11.905	39.685	-14.315	54.000	AVERAGE
2		2389.100	27.375	14.003	41.378	-12.622	54.000	AVERAGE
3	*	2390.000	27.371	14.368	41.738	-12.262	54.000	AVERAGE

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.

Site : SITE1	**Time : 2009/06/17 - 13:50**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH11**

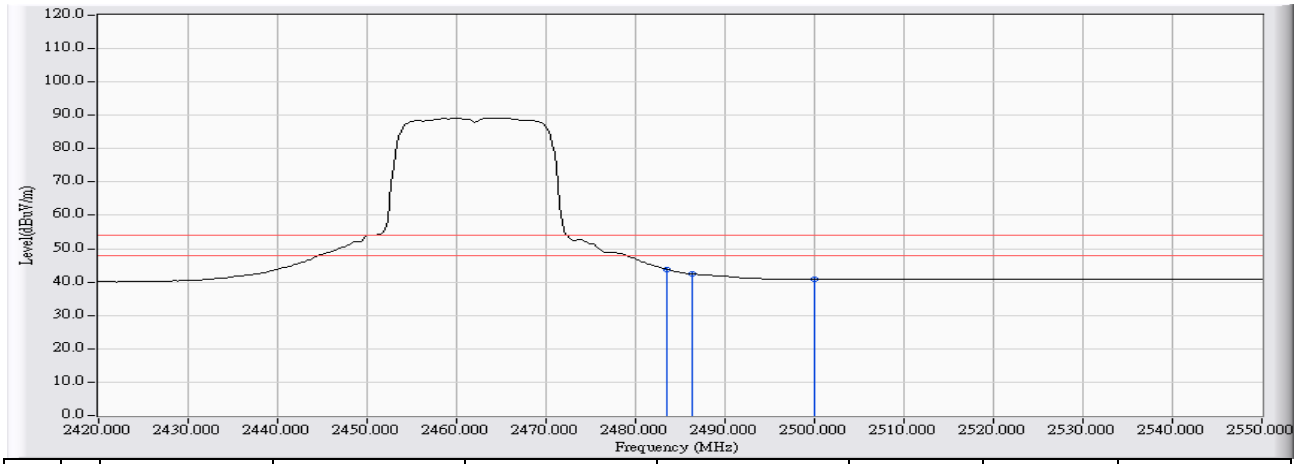


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	28.018	28.672	56.690	-17.310	74.000	PEAK
2	*	2486.300	28.032	28.795	56.827	-17.173	74.000	PEAK
3		2500.000	28.097	25.810	53.907	-20.093	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 13:51**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - HORIZONTAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH11**

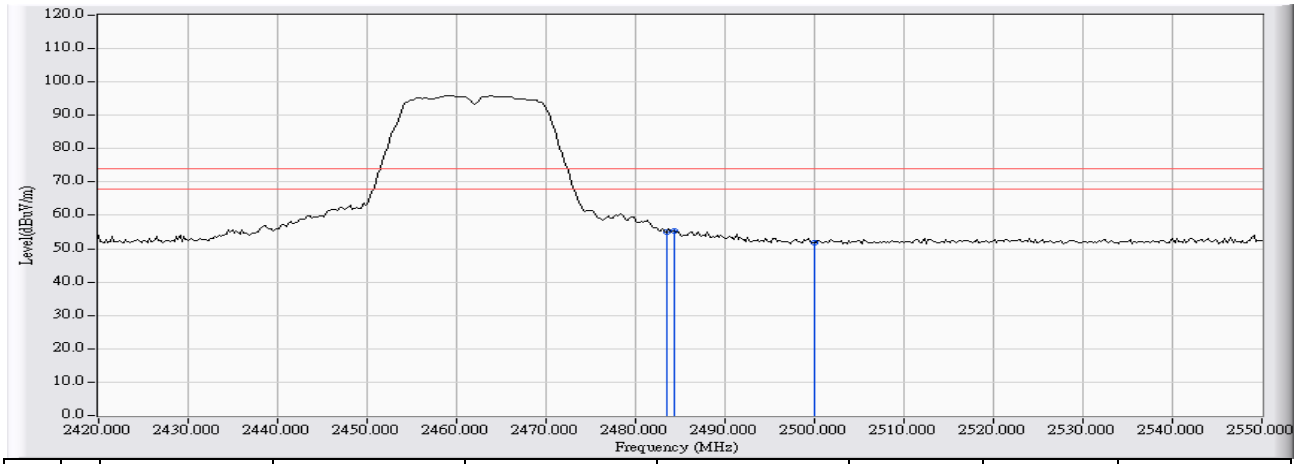


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	28.018	15.822	43.840	-10.160	54.000	AVERAGE
2		2486.300	28.032	14.410	42.442	-11.558	54.000	AVERAGE
3		2500.000	28.097	12.777	40.874	-13.126	54.000	AVERAGE

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.

Site : SITE1	**Time : 2009/06/17 - 13:41**
Limit : FCC_15.209(961011)_03M_PK	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH11**

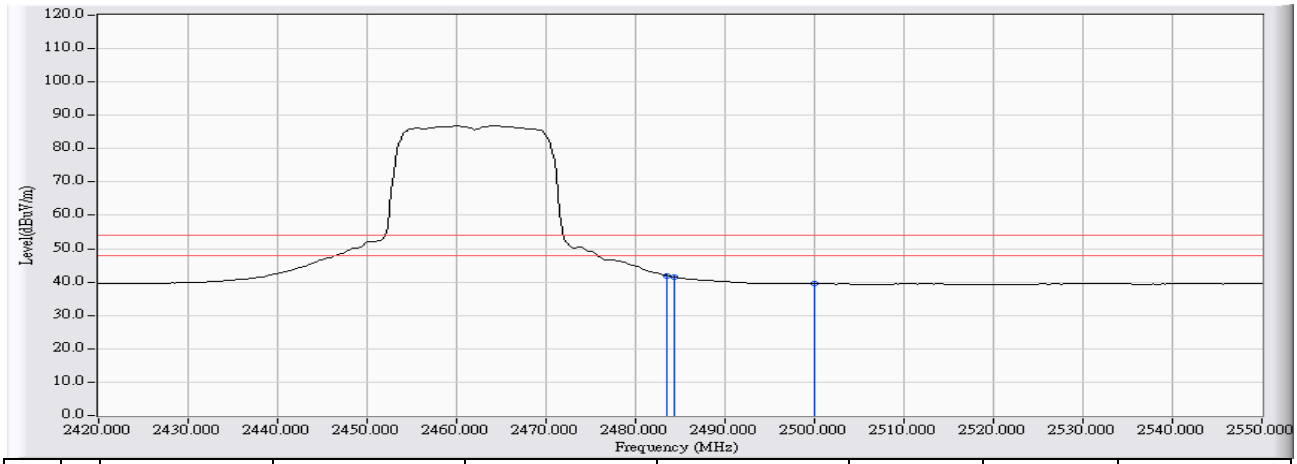


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2483.500	26.896	28.001	54.898	-19.102	74.000	PEAK
2	*	2484.350	26.891	28.388	55.280	-18.720	74.000	PEAK
3		2500.000	26.834	24.945	51.779	-22.221	74.000	PEAK

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.

Site : SITE1	**Time : 2009/06/17 - 13:42**
Limit : FCC_15.209(961011)_03M_AV	**Margin : 6**
Probe : SITE1_FCC_EFS_1-18G(2009-06) - VERTICAL	**Power : AC 120V / 50Hz**
EUT : DIGITAL MEDIA FRAME	**Note : TX-G-CH11**



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	2483.500	26.896	15.082	41.979	-12.021	54.000	AVERAGE
2		2484.350	26.891	14.645	41.537	-12.463	54.000	AVERAGE
3		2500.000	26.834	12.611	39.445	-14.555	54.000	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

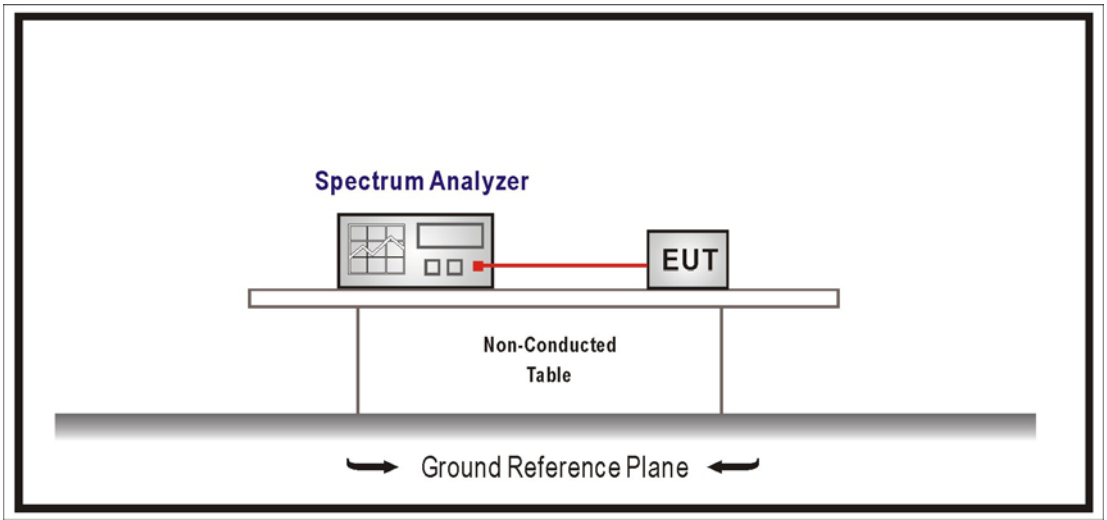
7.1. Test Equipment

The following test equipments are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2009
2	No.1 OATS			Sep., 2008

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

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.4, 2003; 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.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Uncertainty

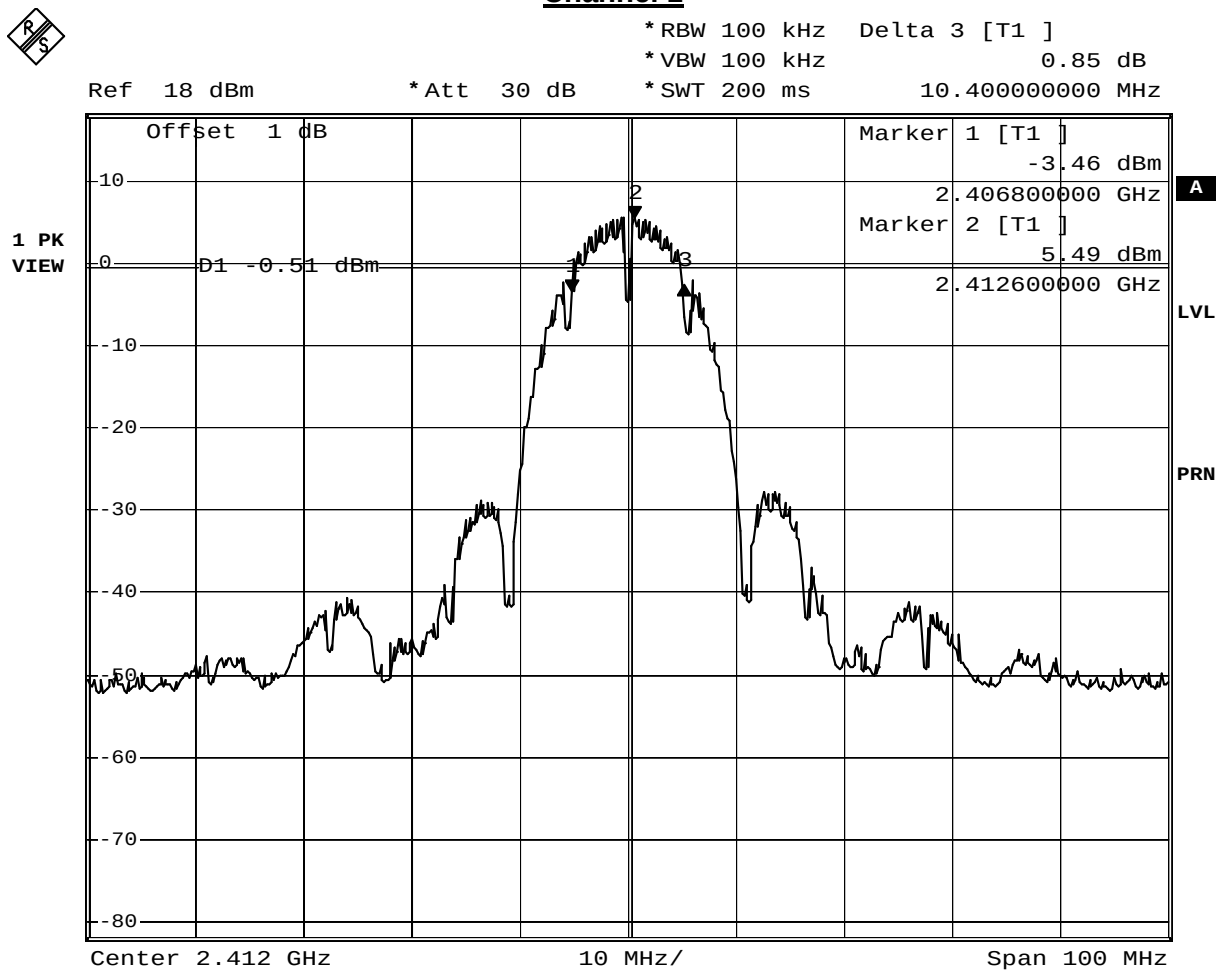
The measurement uncertainty is defined as ±150Hz

7.6. Test Result

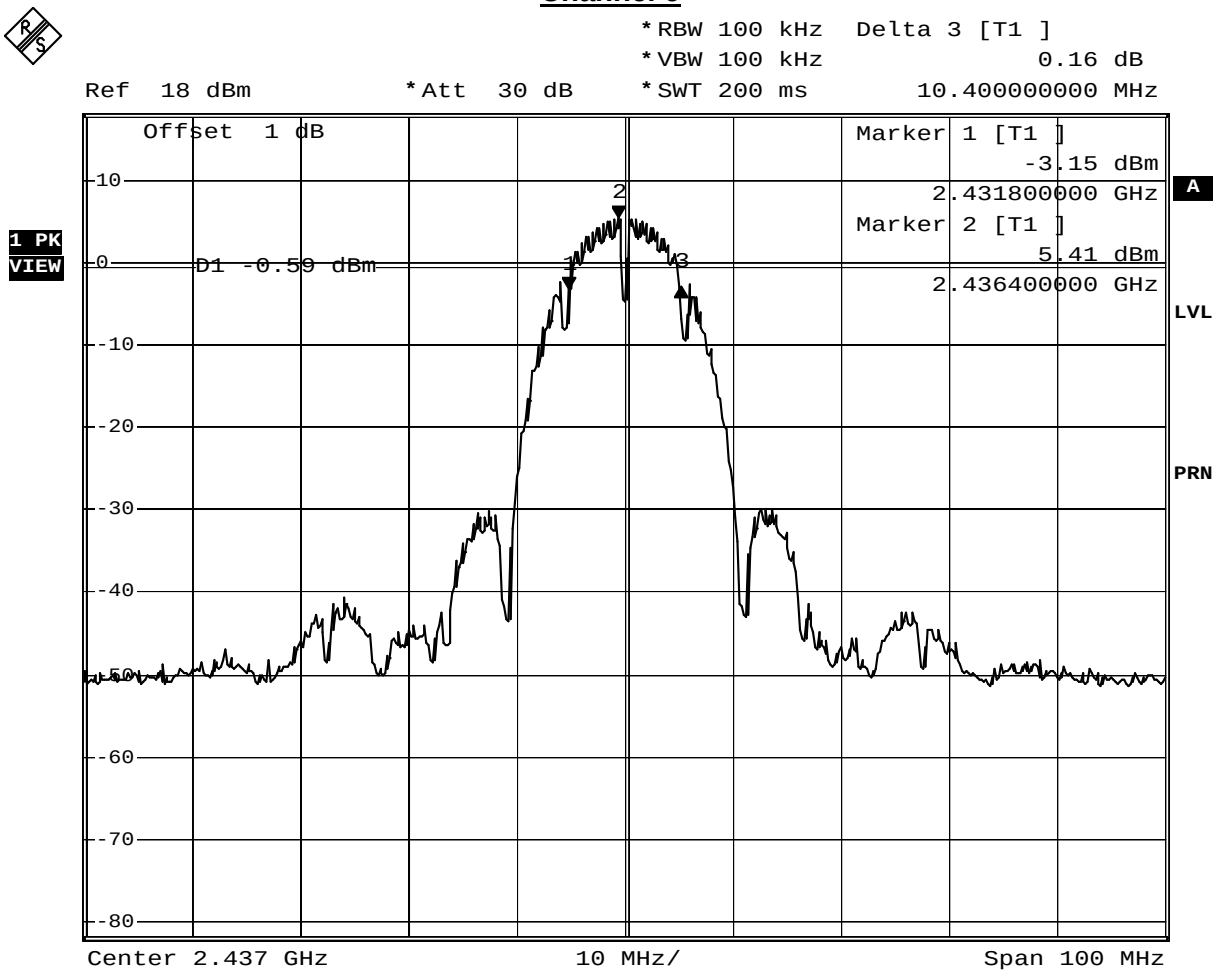
Product	DIGITAL MEDIA FRAME		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2009/06/16	Test Site	No.1 OATS

802.11 b				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	10400	≧500	Pass
6	2437.00	10400	≧500	Pass
11	2462.00	10400	≧500	Pass

Channel 1

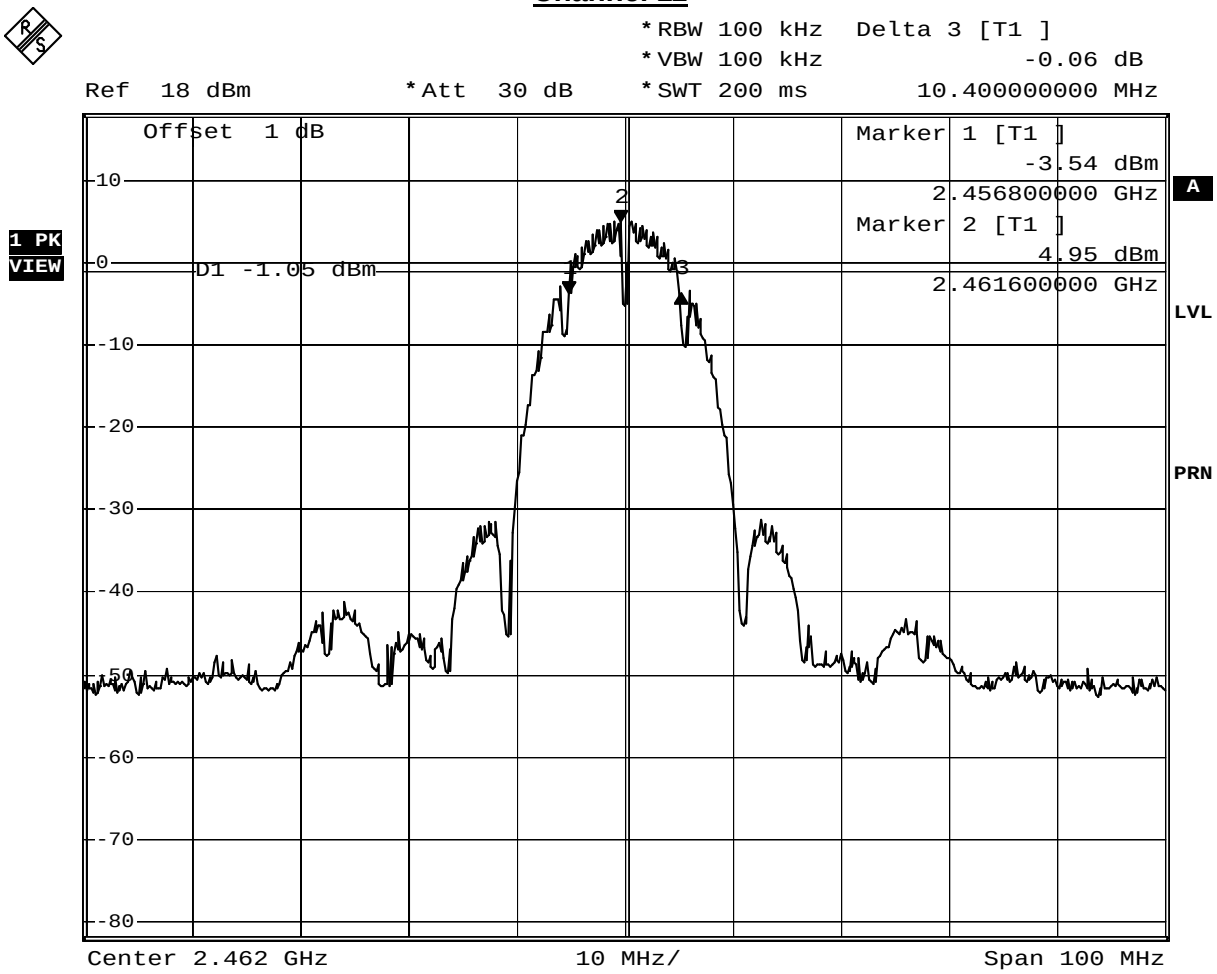


Channel 6



Date: 17.JUN.2009 00:16:55

Channel 11

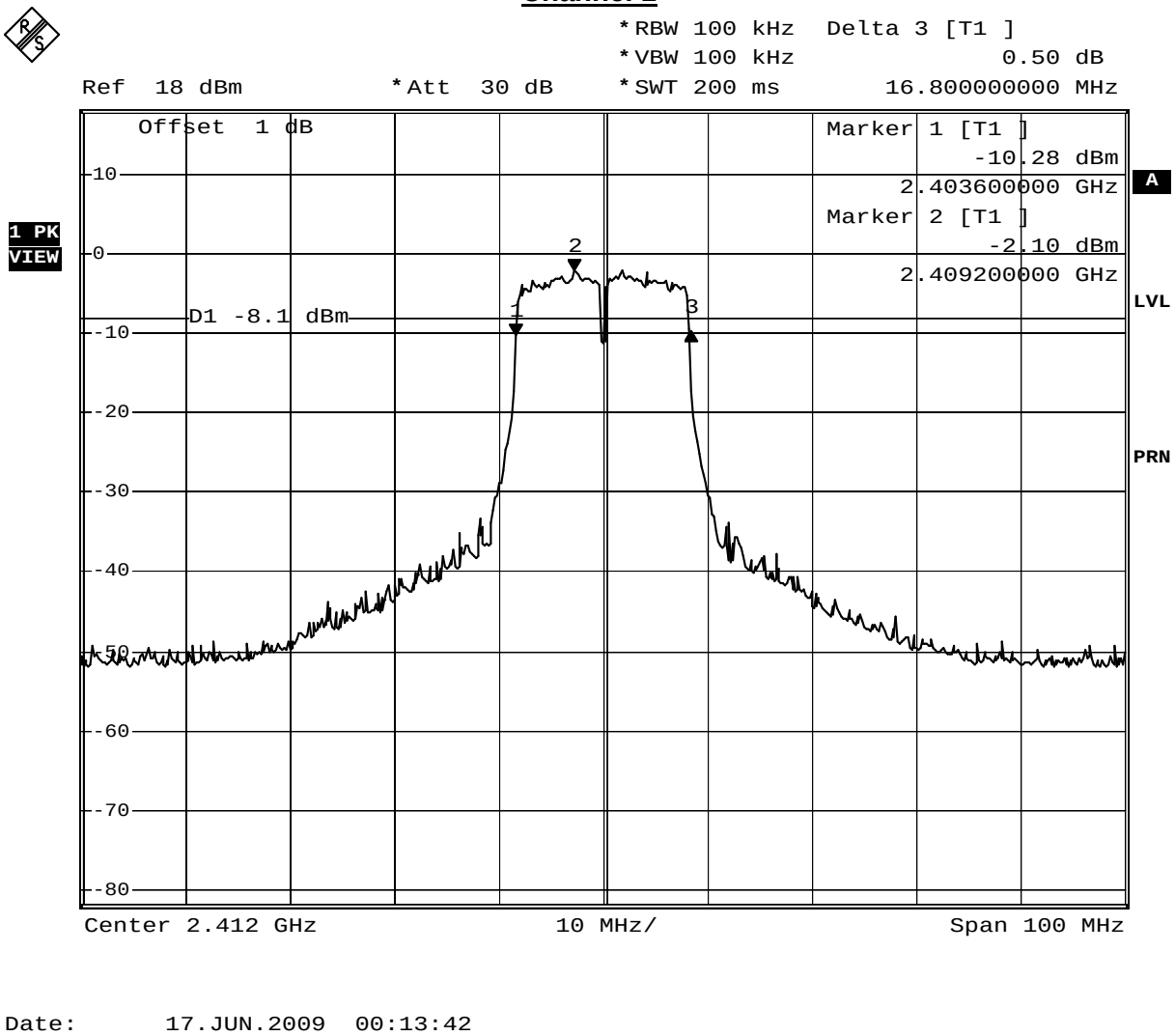


Date: 17.JUN.2009 00:21:26

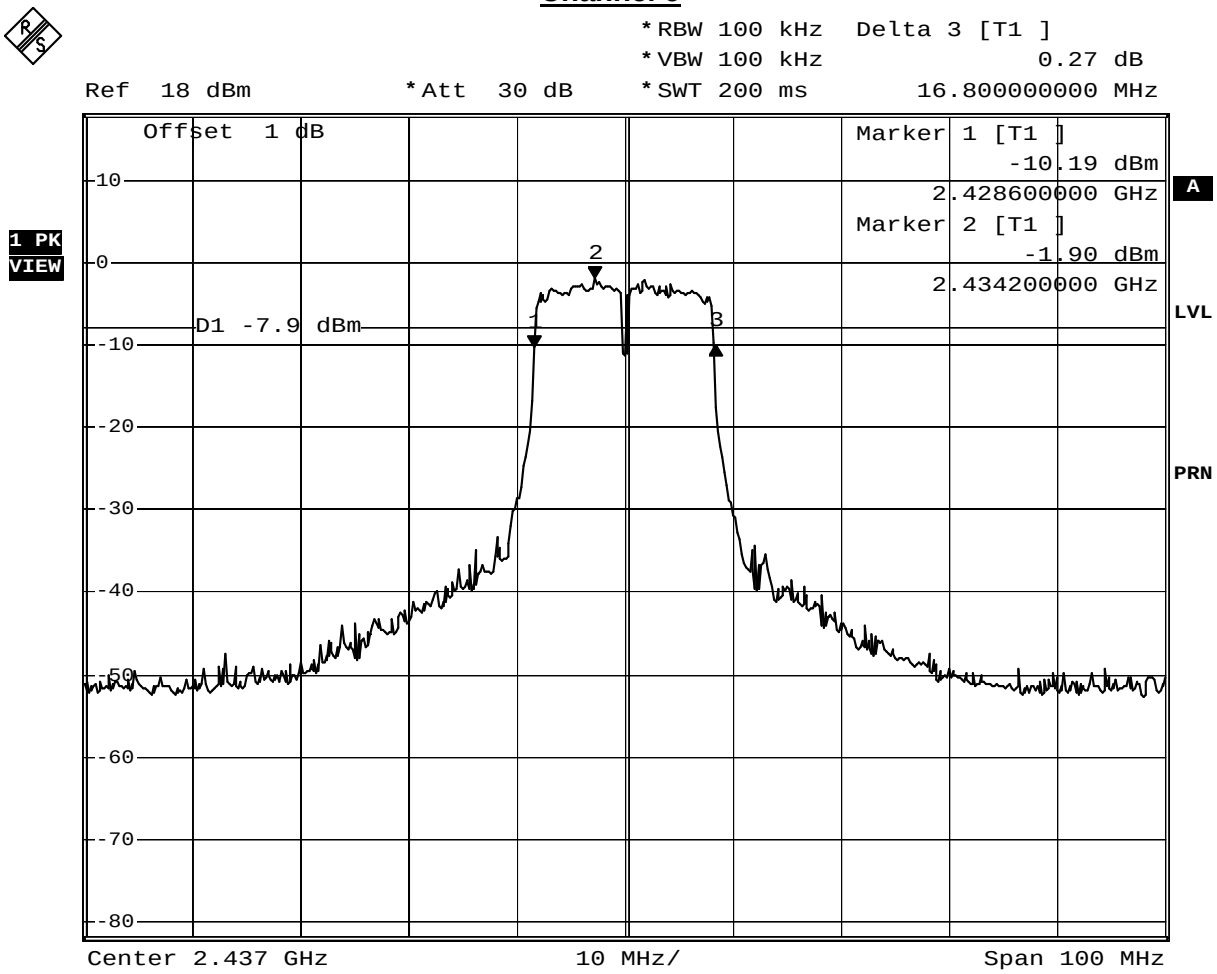
Product	DIGITAL MEDIA FRAME		
Test Item	Occupied Bandwidth		
Test Mode	Transmit		
Date of Test	2009/06/16	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1	2412.00	16800	≧500	Pass
6	2437.00	16800	≧500	Pass
11	2462.00	16800	≧500	Pass

Channel 1

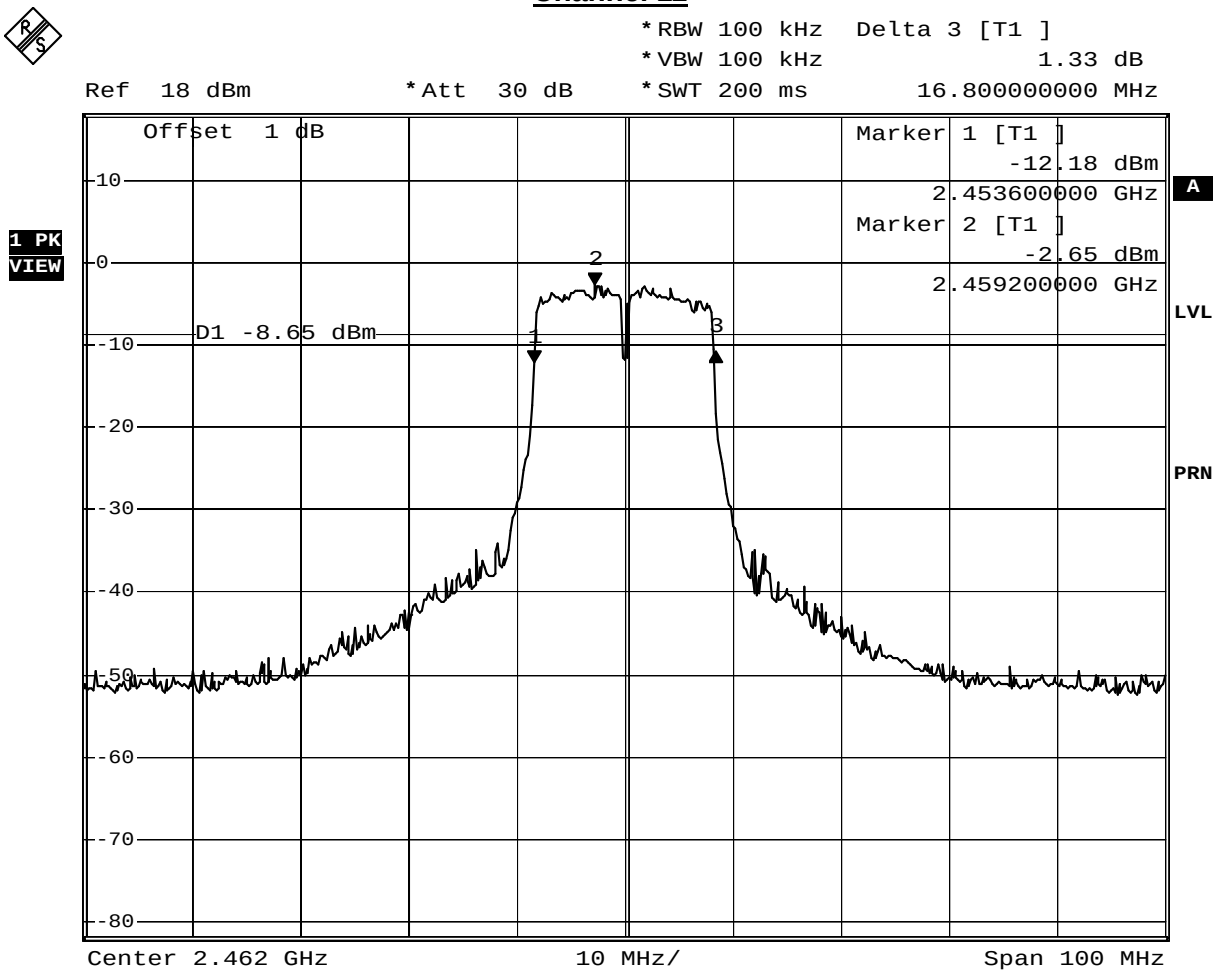


Channel 6



Date: 17.JUN.2009 00:18:33

Channel 11



Date: 17.JUN.2009 00:23:10

8. Power Density

8.1. Test Equipment

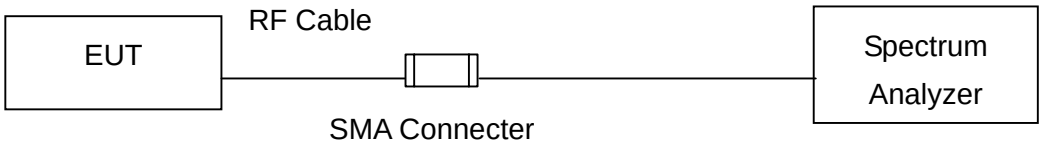
The following test equipment are used during the test:

Item	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.
1	Spectrum Analyzer	R & S	FSP / 100561	Jan., 2009
2	No.1 OATS			Sep., 2008

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

8.2. Test Setup

IEEE 802.11 b / g MODE



8.3. Limits

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

8.4. Test Procedures

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.
Set RBW= 3 kHz, Set VBW≧ 9 kHz, Sweep time=Auto, Set detector=Peak detector

8.5. Uncertainty

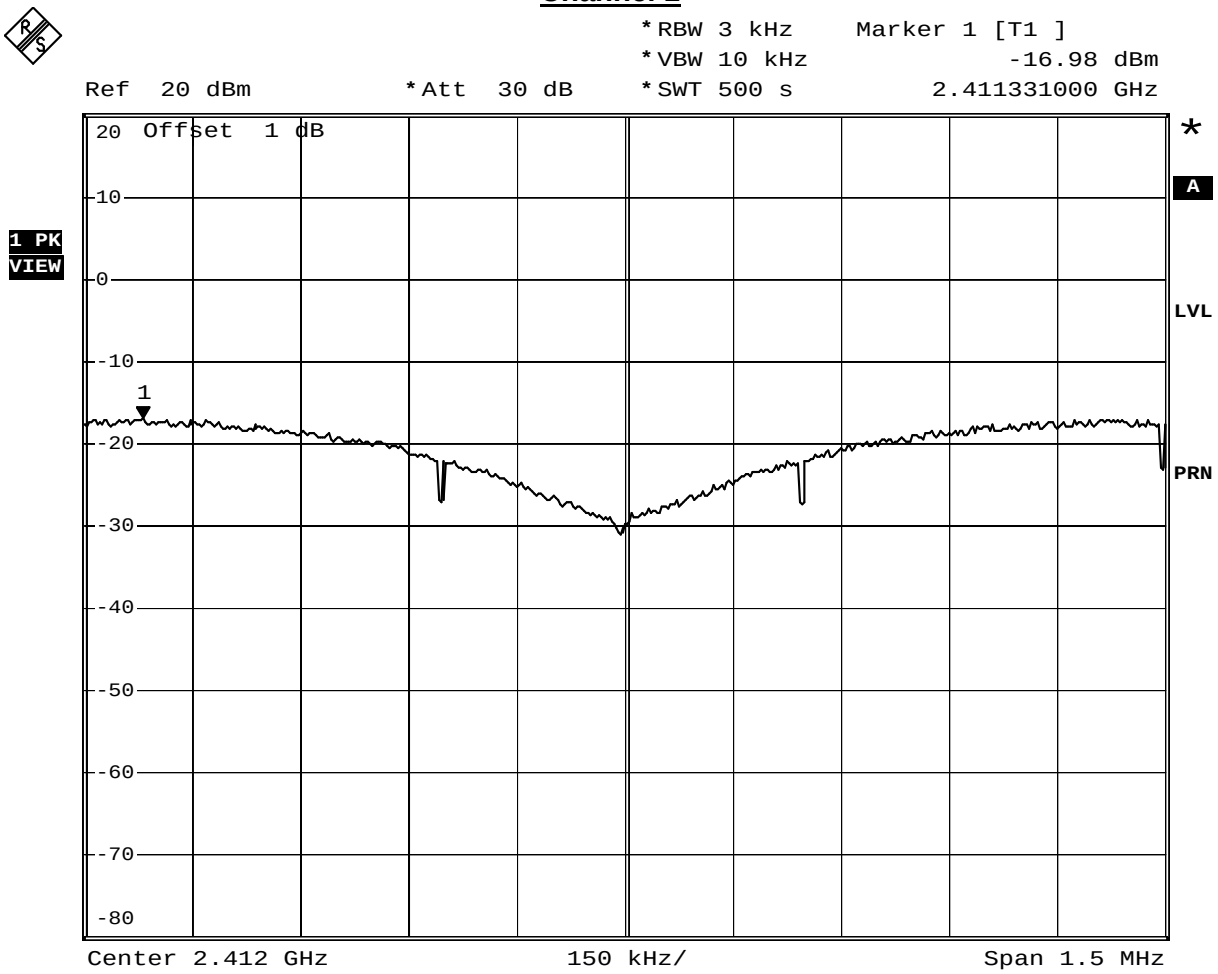
The measurement uncertainty is defined as ±1.27dB.

8.6. Test Result

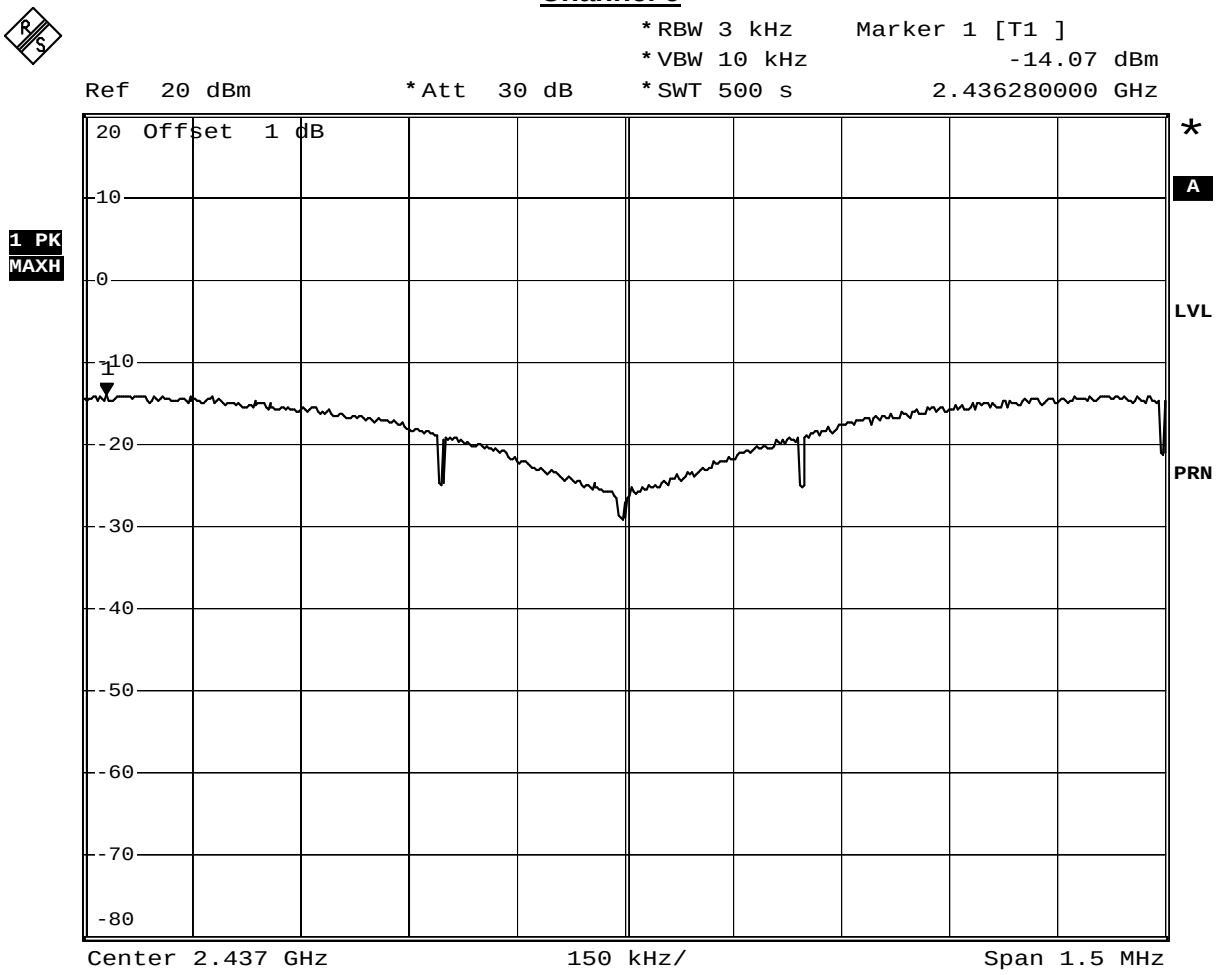
Product	DIGITAL MEDIA FRAME		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2009/06/16	Test Site	No.1 OATS

IEEE 802.11b				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-16.98	≦8	Pass
6	2437	-14.07	≦8	Pass
11	2462	-11.66	≦8	Pass

Channel 1

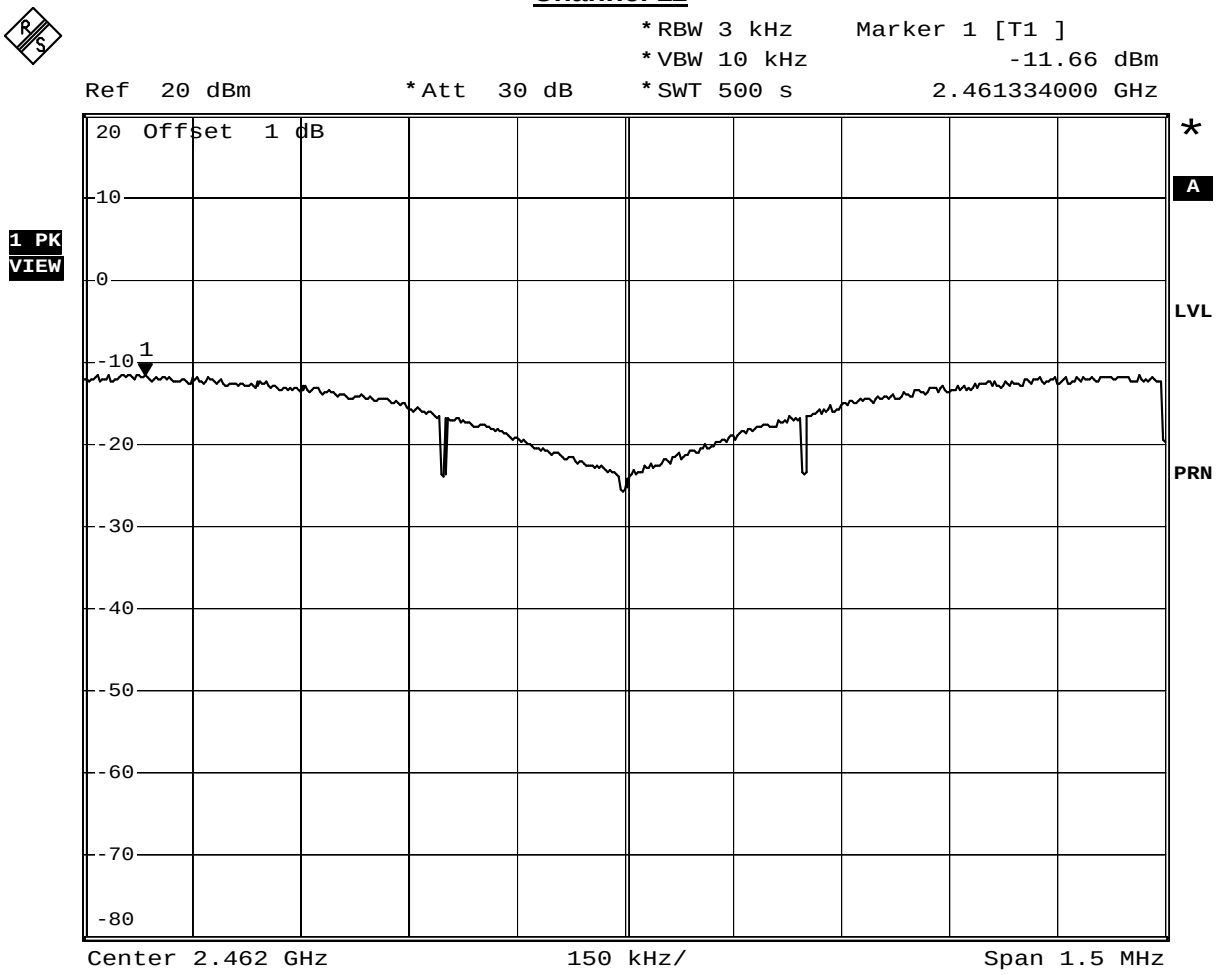


Channel 6



Date: 17.JUN.2009 20:08:41

Channel 11

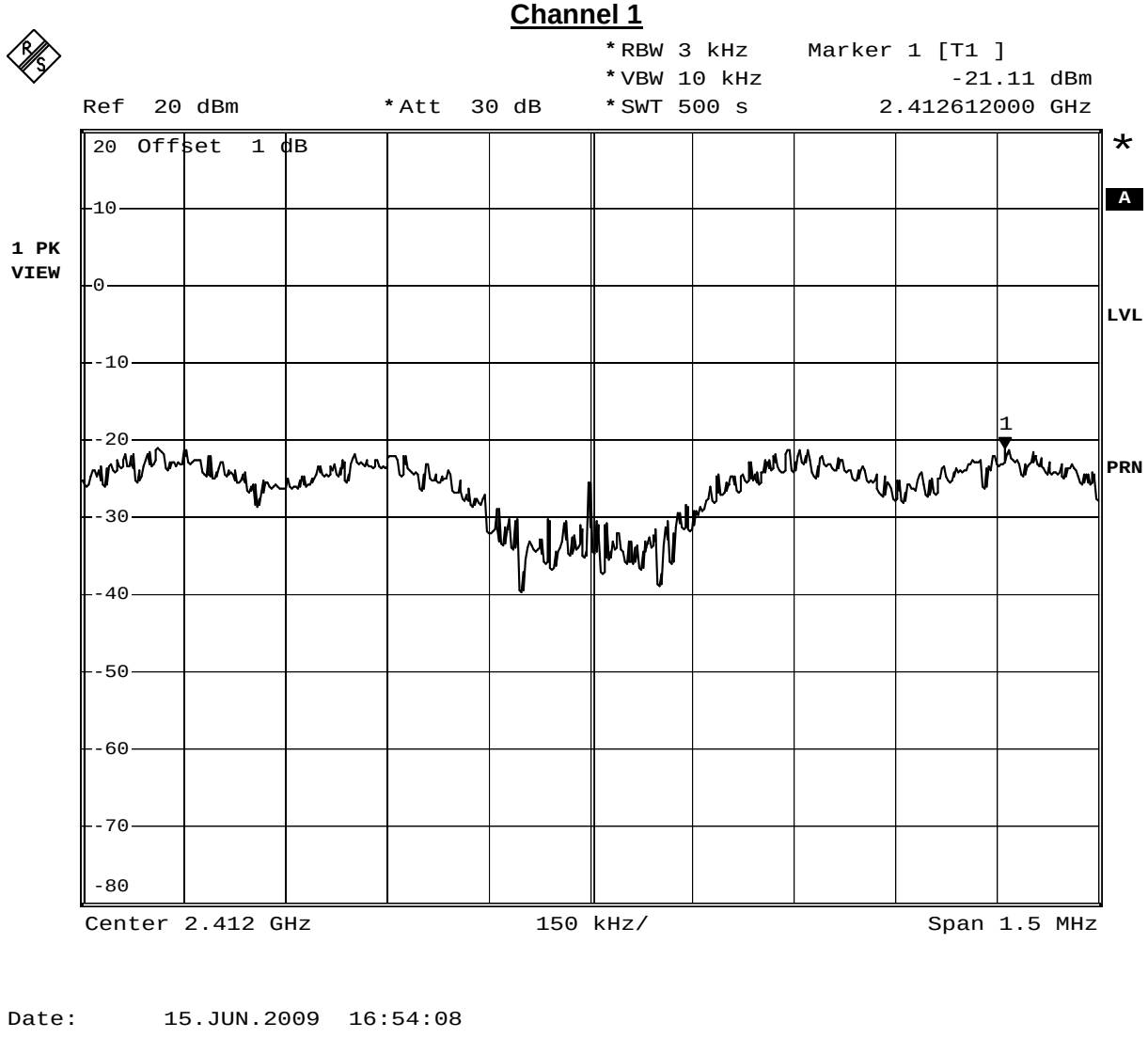


Date: 15.JUN.2009 15:43:33

Product	DIGITAL MEDIA FRAME		
Test Item	Power Density		
Test Mode	Transmit		
Date of Test	2009/06/16	Test Site	No.1 OATS

IEEE 802.11g				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1	2412	-21.11	≦8	Pass
6	2437	-17.60	≦8	Pass
11	2462	-20.83	≦8	Pass

Channel 1



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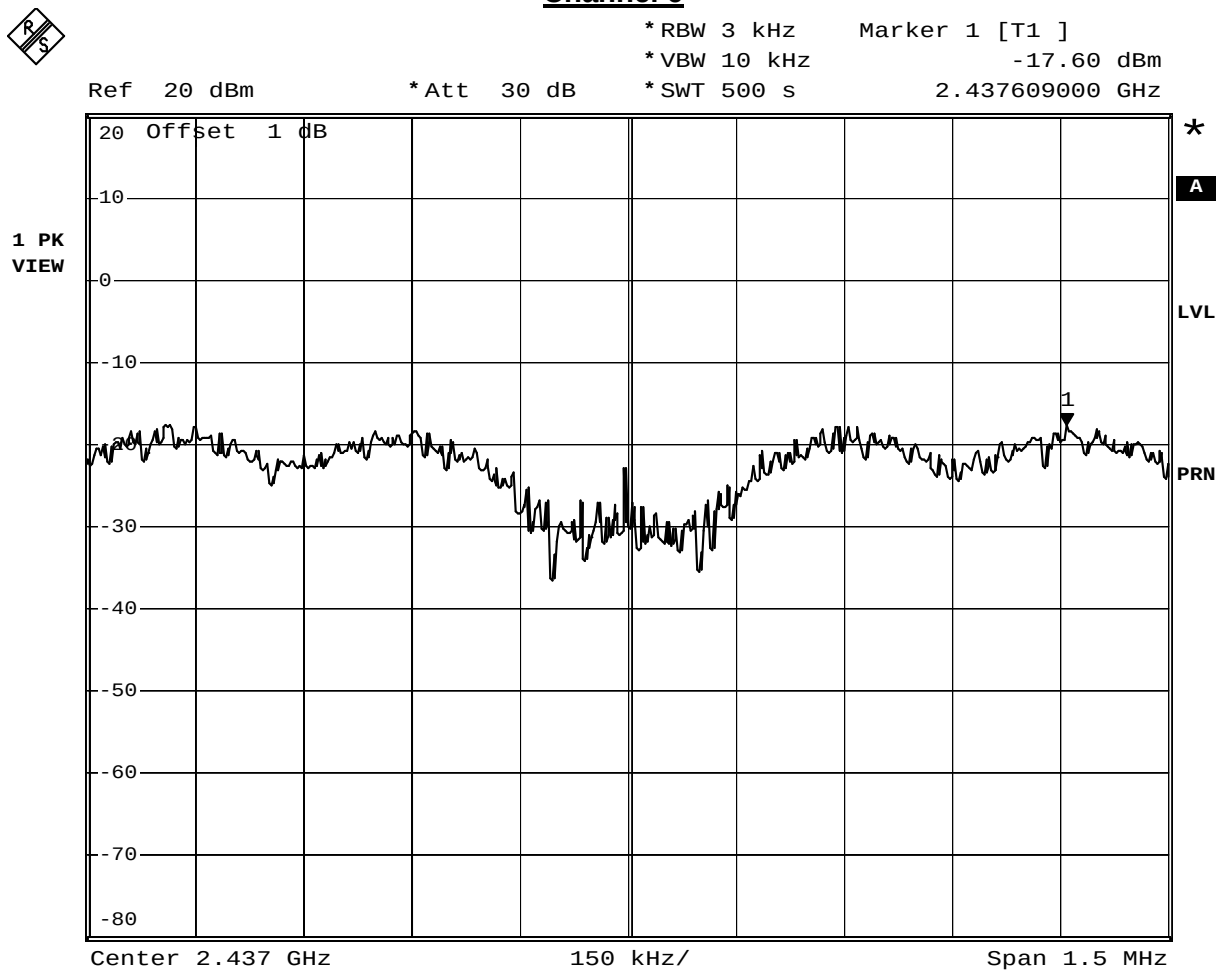

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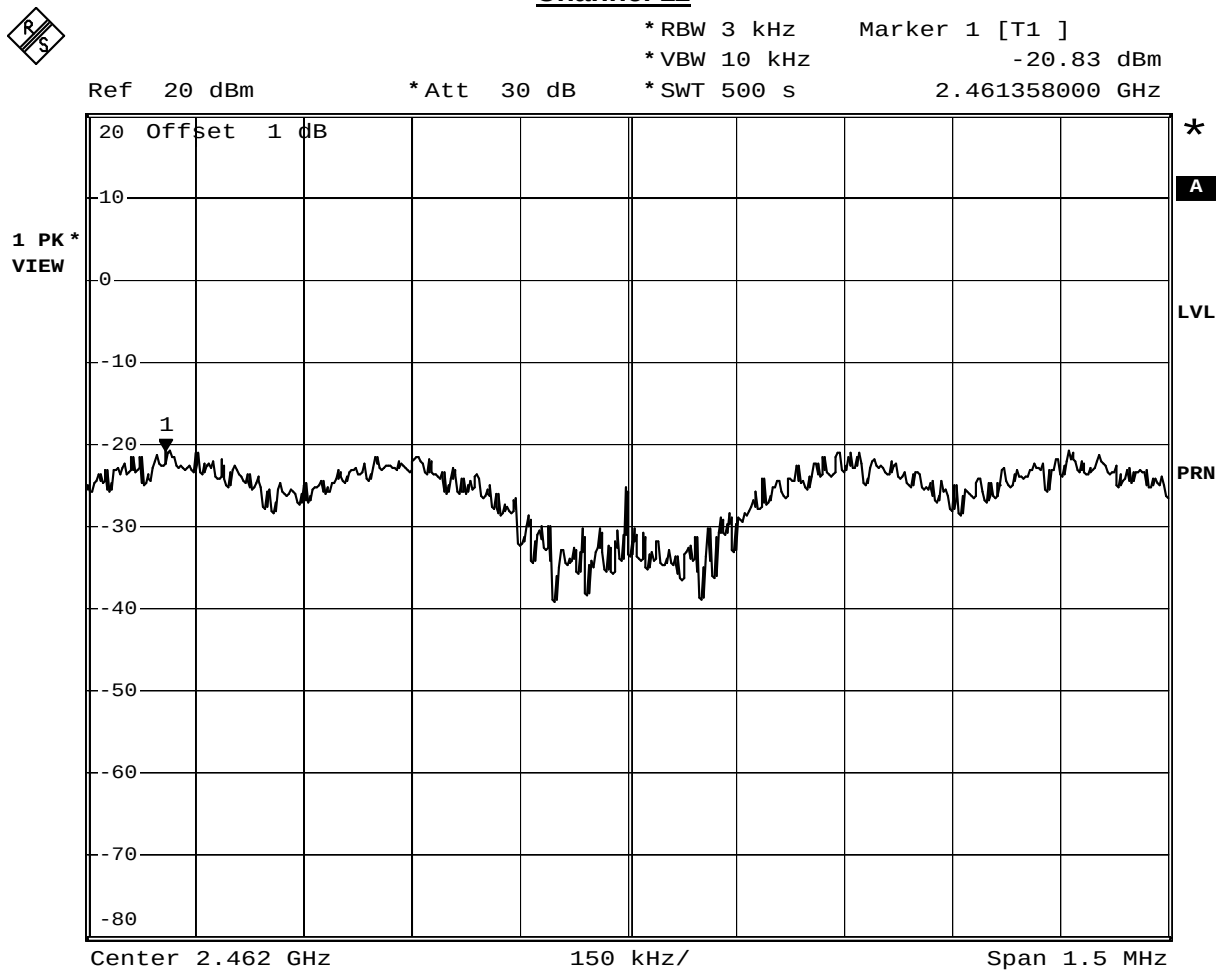
Channel 11



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