

FCC PART 15C TEST REPORT

FCC ID: ZQTMLP-EL8

Applicant: AMAROCKS GROUP.

Address : 5119 Mississauga Rd Mississauga, ON Canada

Equipment Under Test(EUT):

Name : MLEARNPAD

Model : MLP – EL8

In Accordance with: FCC 15.247

Report No : STE110622516

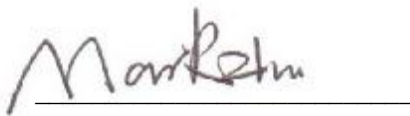
Date of Test : Jul 01-Jul 02, 2011

Date of Issue : Jul 04, 2009

Test Result: **PASS**

In the configuration tested, the EUT complied with the standards specified above

Authorized Signature



(Mark Zhu)

General Manager

The manufacture should ensure that all the products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Shenzhen Certification Technology Service Co., Ltd. Or test done by Shenzhen Certification Technology Service Co., Ltd. Approvals in connection with, distribution or use of the product described in this report must be approved by Shenzhen Certification Technology Service Co., Ltd. Approvals in writing.

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1. General Information

1.1. Description of Device (EUT)

EUT Name	:	MLEARNPAD
Model No.	:	MLP – EL8
Power supply Adapter	:	DC 3.7V form battery and DC 5V from power adapter Manufacturer: WASENSE TECHNOLOGY CO.,LTD Input: AC 100-240V Output: DC 5V
Radio Technology	:	IEEE802.11b/g
Operation frequency	:	2412MHz—2462MHz
Modulation	:	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) (2Mbps) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK)(6Mbps)
Antenna Type	:	Integral Patch Antenna, Maximum Gain 0dBi
Applicant	:	Amarocks Group
Address	:	5119 Mississauga Rd Mississauga, ON Canada
Manufacturer	:	WASENSE TECHNOLOGY CO.,LTD
Address	:	Gushu Xixiang Town,Bao'an district,Shenzhen,China

1.2. Test Lab information

Shenzhen Certification Technology Service Co.,Ltd.
3F, Bldg.27, Area A, Tanglang Industrial Zone, Xili Town, Nanshan District,
Shenzhen 518055, Guangdong, P.R. China
FCC Registered No.:305283

2. Summary of test

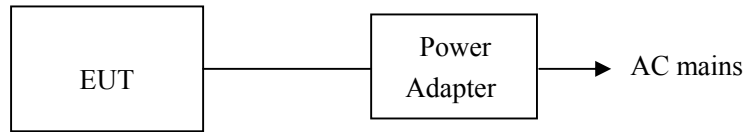
2.1. Summary of test result

EMISSION		
Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10: 2009	PASS
Radiated Emission	FCC Part 15: 15.209 ANSI C63.10: 2009	PASS
Band Edge Compliance	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Conducted spurious emissions	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Maximum Output Power	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Power Spectral Density	FCC Part 15: 15.247 ANSI C63.10: 2009	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2.2. Assistant equipment used for test

N/A

2.3. Block Diagram



Note1: EUT can be powered with external power adapter or built-in battery, according exploratory test, when test with power adapter have maximum output power and radiated emissions, so all the final test were performed with power adapter.

2.4. Test mode

A special test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode:

Tested mode, channel, and data rate information			
Mode	Data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	2	Low :CH1	2412
	2	Middle: CH6	2437
	2	High: CH11	2462
IEEE 802.11g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462

Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test. This data rate test is worse case.

2.5. Test Conditions

Temperature range	21-25°C
Humidity range	40-75%
Pressure range	86-106kPa

2.6. Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.42dB	
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.54dB	Polarize: V
	4.1dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	2.08dB	Polarize: H
	2.56dB	Polarize: V
Uncertainty for radio frequency	1×10^{-9}	
Uncertainty for conducted RF Power	0.65dB	
Uncertainty for temperature	0.2°C	
Uncertainty for humidity	1%	
Uncertainty for DC and low frequency voltages	0.06%	

2.7. Test Equipment

Equipment	Manufacture	Model No.	Serial No.	Last cal.	Cal Interval
3m Semi-Anechoic	ETS-LINDGRE N	N/A	SEL0017	06/06/201 1	1Year
Spectrum analyzer	Agilent	E4443A	MY46185649	06/06/201 1	1Year
Receiver	R&S	ESCI	100492	04/06/201 1	1Year
Receiver	R&S	ESCI	101202	07/01/201 1	1Year
Bilog Antenna	Sunol	JB3	A121206	04/06/201 1	1Year
Horn Antenna	EMCO	3115	640201028-06	04/06/201 1	1Year
Power Meter	Anritsu	ML2487A	6K00001491	02/23/201 1	1Year
ETS Horn Antenna	ETS	3160	SEL0076	12/08/201 0	1Year
Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	06/06/211	1Year
Cable	Resenberger	N/A	No.1	04/06/201 1	1Year

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Cable	SCHWARZBEC K	N/A	No.2	04/06/201 1	1Year
Cable	SCHWARZBEC K	N/A	No.3	04/06/201 1	1Year
Pre-amplifier	R&S	AFS42-0010 1 800-25-S-42	SEL0081	06/06/201 1	1Year
Pre-amplifier	R&S	AFS33-1800 2650-30-8P- 44	SEL0080	06/06/20 11	1Year

3. Maximum Output power

3.1. Limit

For systems using digital modulation in the 2400—2483.5MHz, The out put Power shall not exceed 1W(30dBm)

3.2. Test Procedure

- 1, Connected the EUT's antenna port to power meter by 20dB attenuator.
- 2, Use a power meter which's bandwidth is above 6dB bandwidth of signal to measure out each test modes' output power.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

3.3. Test Result

EUT: MLEARNPAD		
M/N: MLP – EL8		
Test date: 2011/07/01	Pressure:100.6 kpa	Humidity:60%
Tested by: Sunny-lu	Test site: RF site	Temperature:25°C

Cable loss: 0.6 dB		Attenuator loss: 20 dB	Antenna Gain: 0 dBi
Mode	CH	Result	Limit
		Output power(dBm)	Power (dBm)
11b	CH1	11.33	30
	CH6	10.98	30
	CH11	10.43	30
11g	CH1	12.12	30
	CH6	11.54	30
	CH11	11.31	30
Conclusion: PASS			

4. 6dB bandwidth

4.1. Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz

4.2. Test Procedure

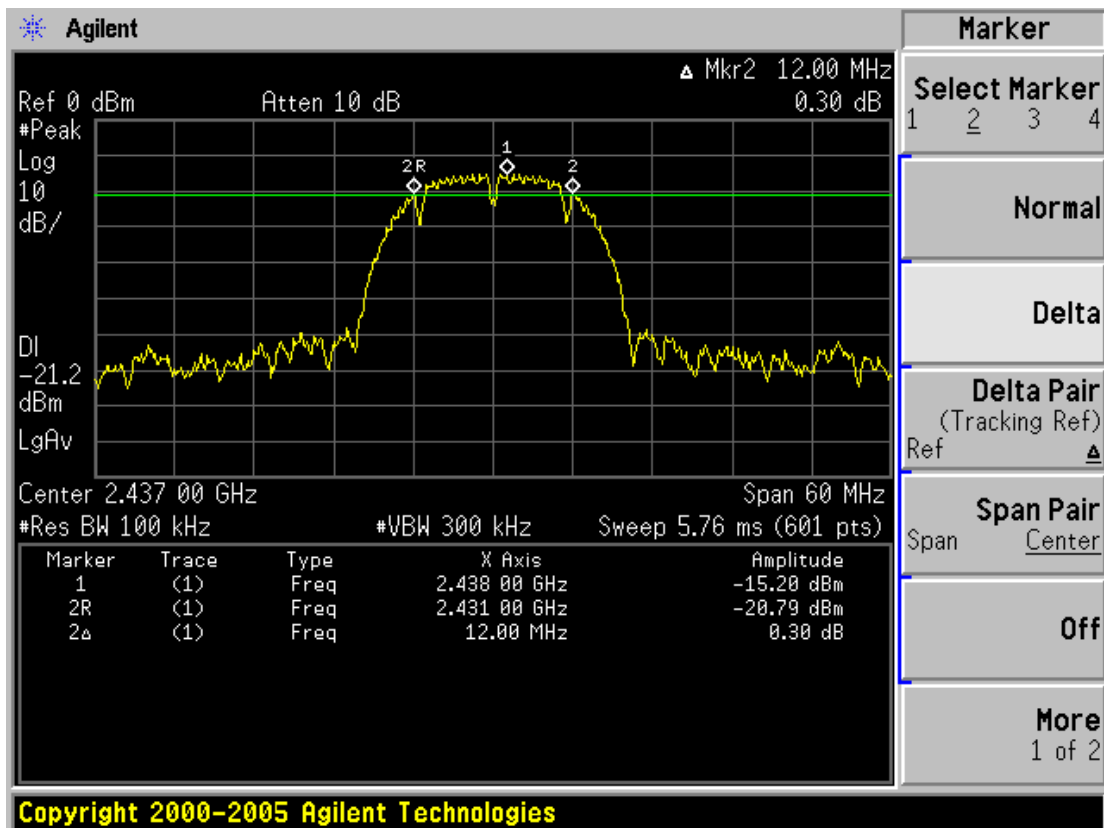
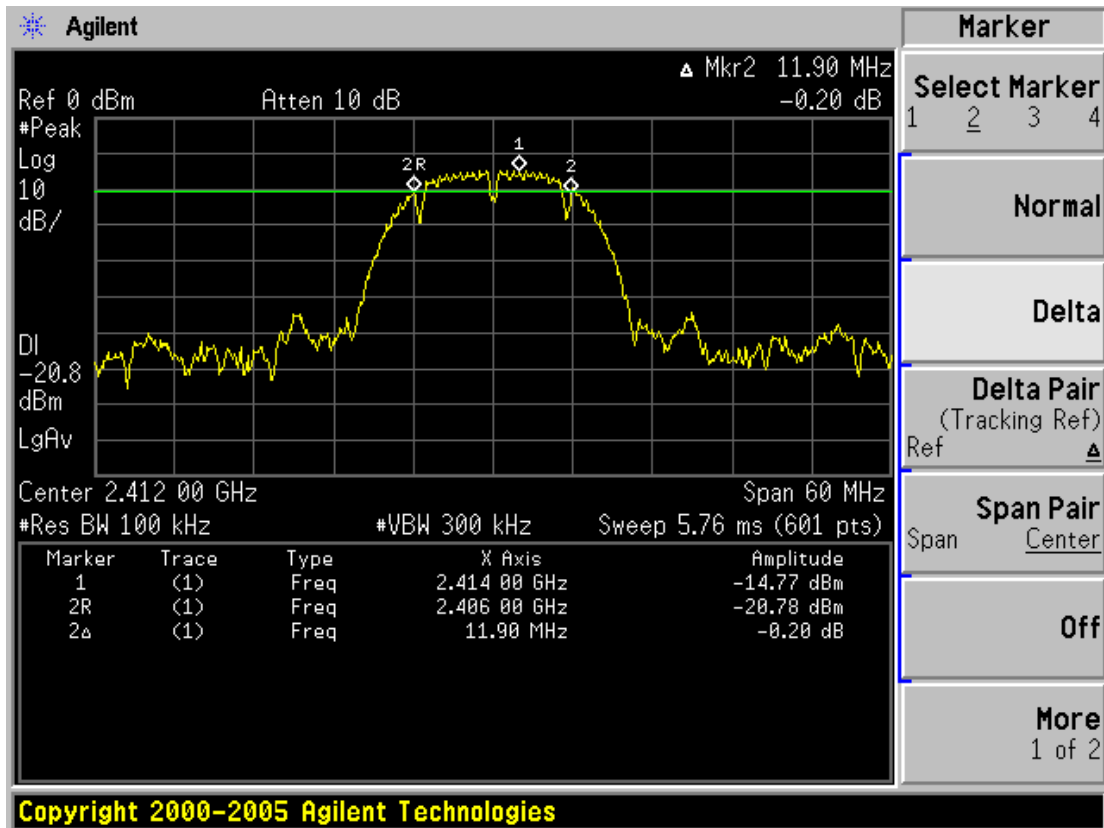
The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300 kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

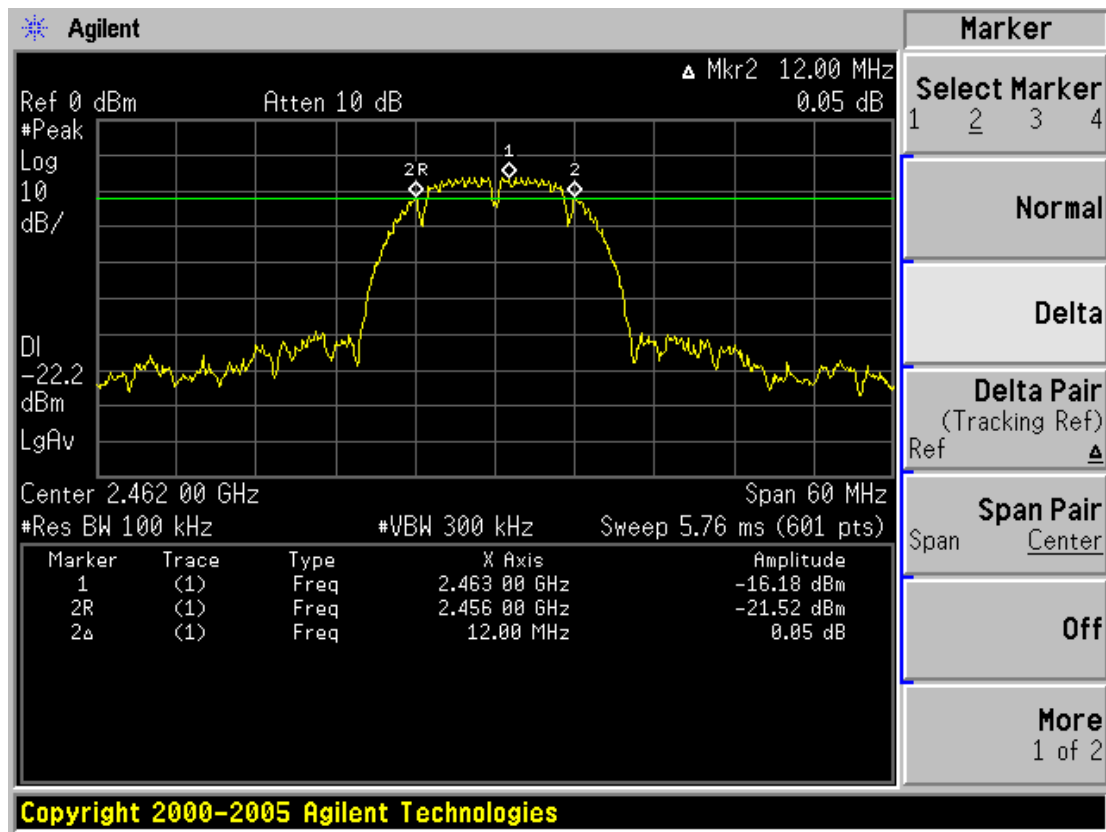
4.3. Test Result

EUT: MLEARNPAD		
M/N: MLP – EL8		
Test date: 2011/07/01	Pressure:100.6 kpa	Humidity:60%
Tested by: Sunny-lu	Test site: RF site	Temperature:25°C

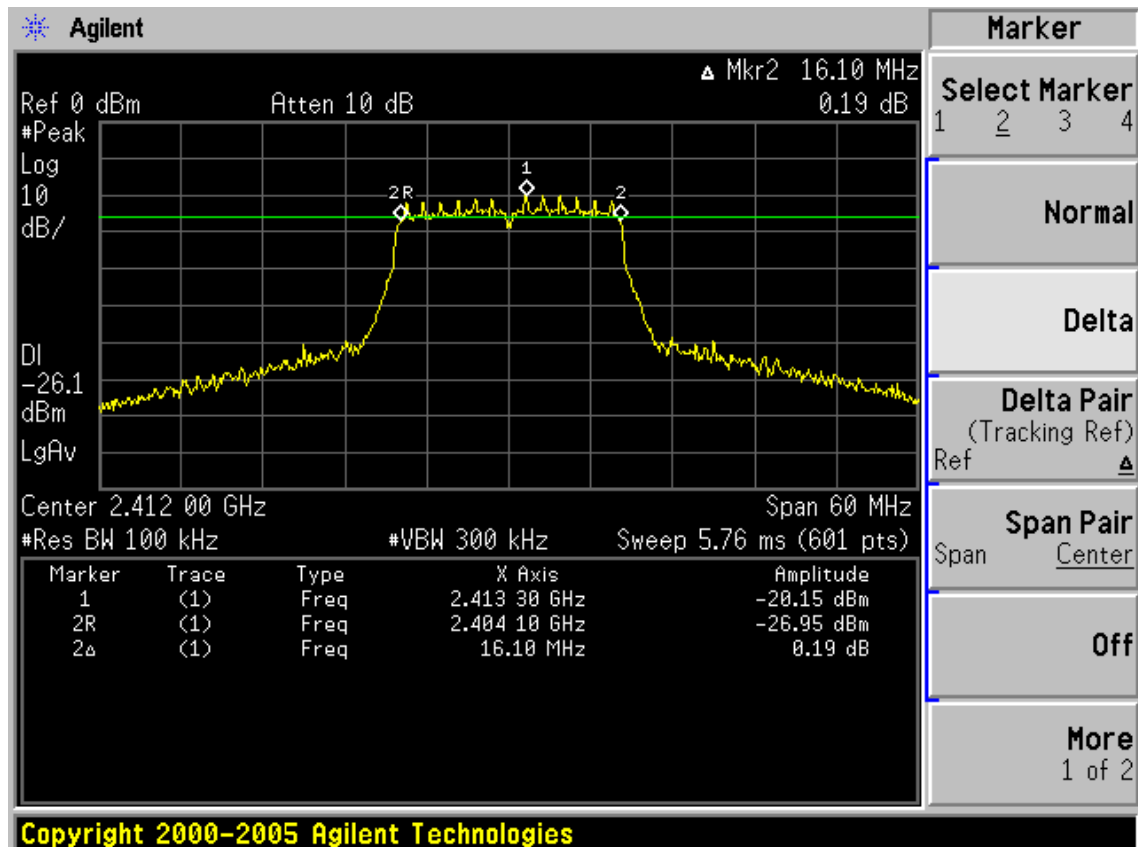
Cable loss: 0.6 dB		Attenuator loss: 20 dB	Antenna Gain: 0 dBi
Mode	CH	Result	Limit
		6dB bandwidth(MHz)	KHz
11b	CH1	11.90	>500
	CH6	12.00	>500
	CH11	12.00	>500
11g	CH1	16.10	>500
	CH6	16.00	>500
	CH11	16.00	>500
Conclusion: PASS			

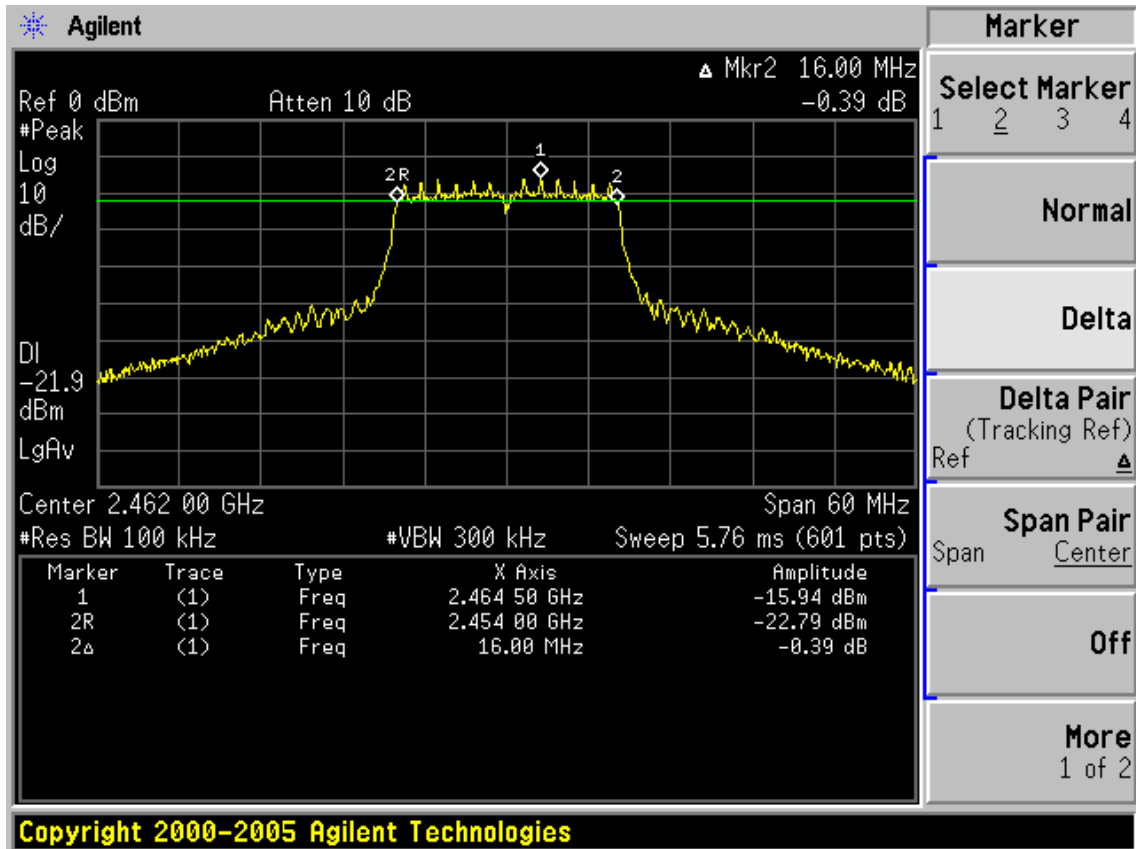
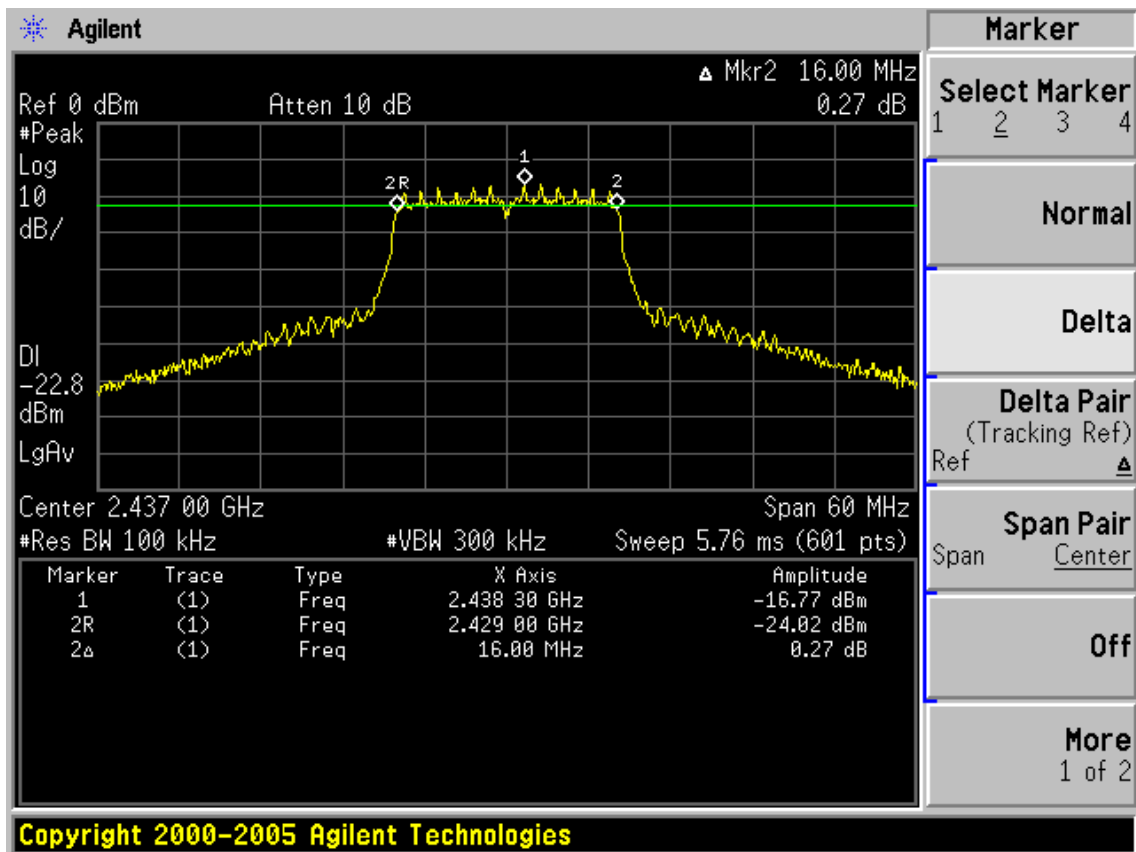
Original test data
 Test Mode: IEEE 802.11b TX





Test Mode: IEEE 802.11g TX





5. Power special density test

5.1. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

5.2. Test Procedure

- 1, Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.
- 2, Follow the test procedure as described in ANSI C63.10: 2009 Clause 6.11.2.3 to measure out each test modes and chain's power density with 3KHz.

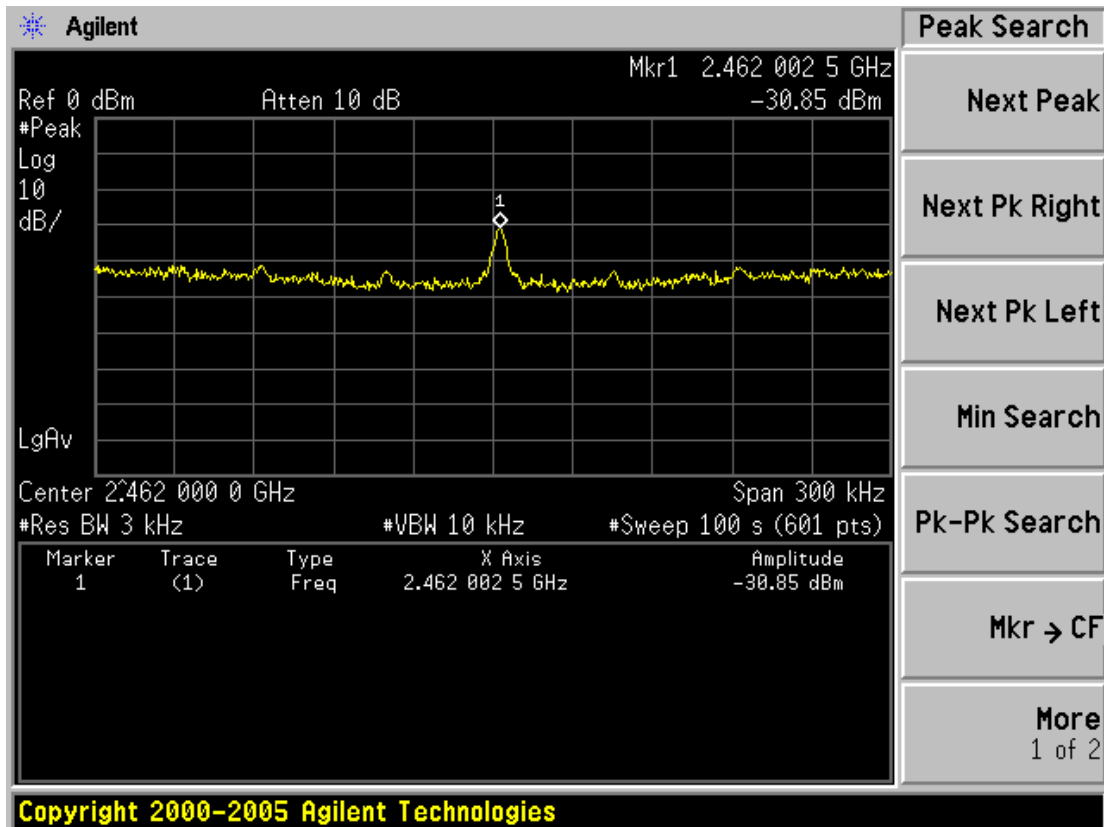
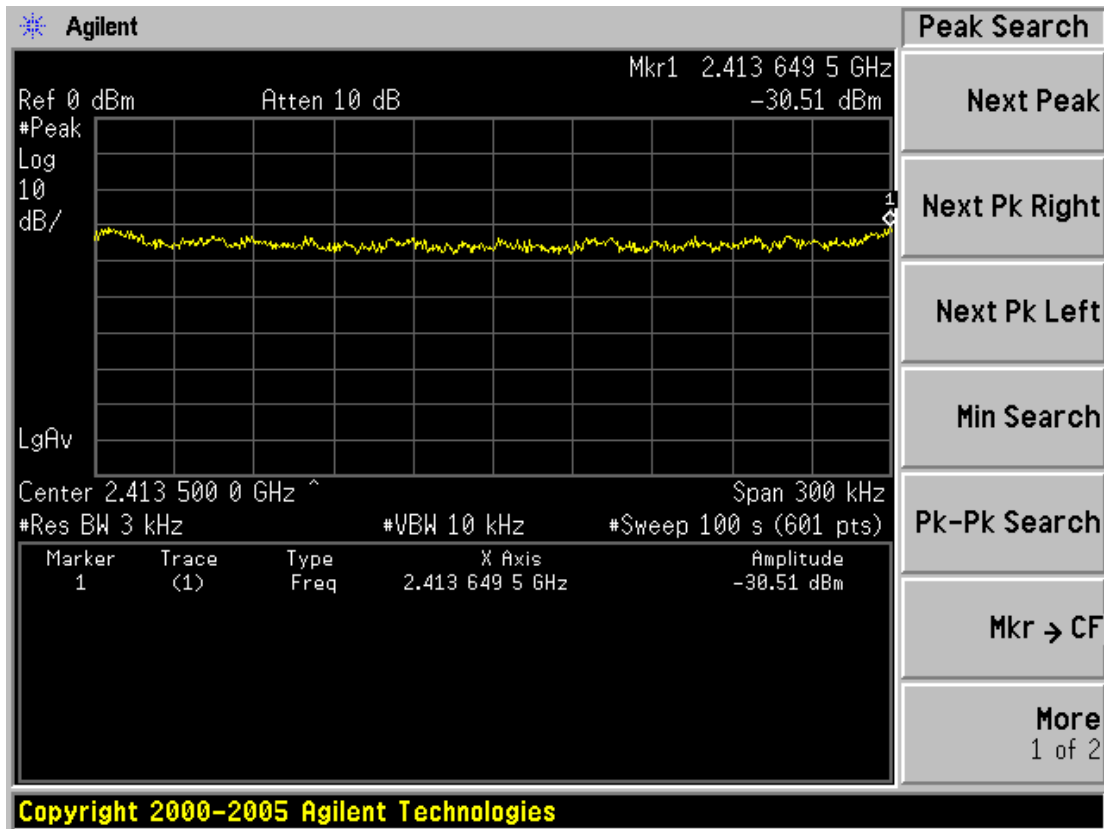
5.3. Test Result

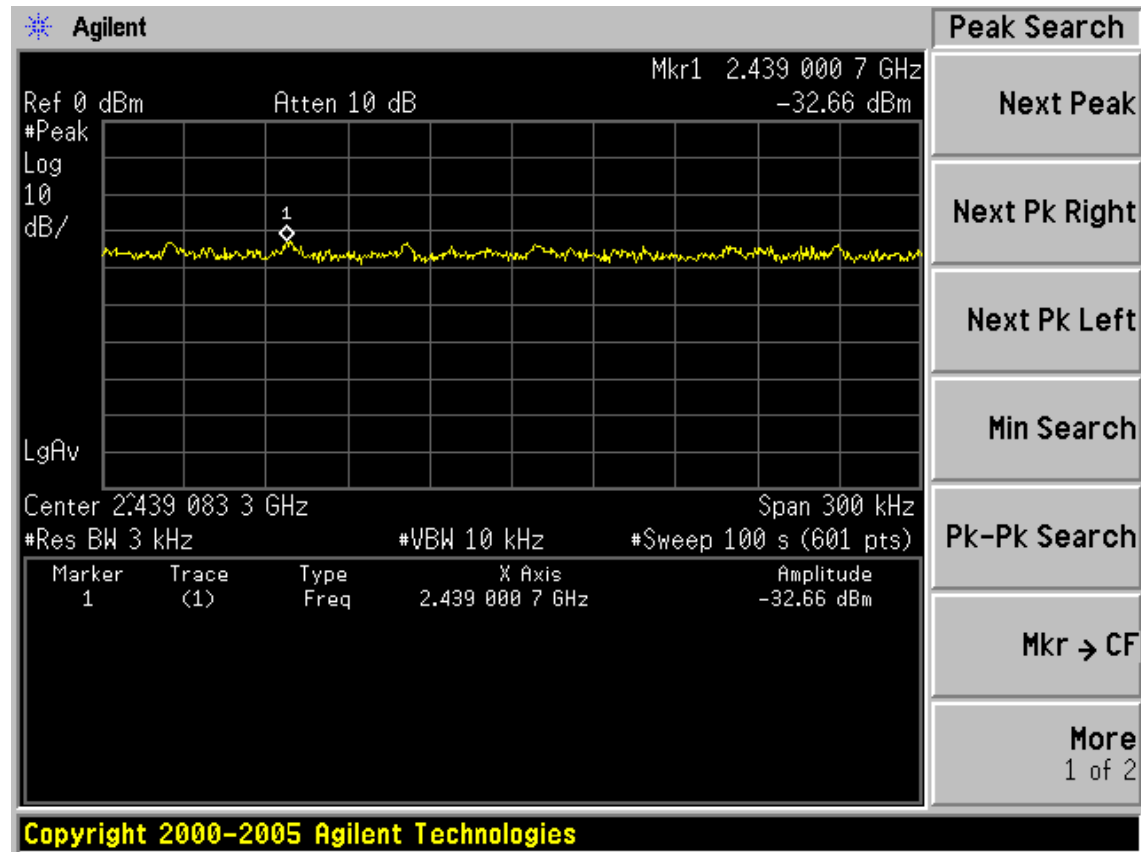
EUT: MLEARNPAD		
M/N: MLP – EL8		
Test date: 2011/07/01	Pressure:100.6 kpa	Humidity:60%
Tested by: Sunny-lu	Test site: RF site	Temperature:25°C

Cable loss: 0.6 dB		Attenuator loss: 20 dB		Antenna Gain: 0 dBi
Mode	CH	Result Power density (dBm/3KHz)		Limit
		Measured	Result	dBm/3KHz
11b	CH1	-30.51	-9.91	8
	CH6	-32.66	-12.06	8
	CH11	-30.85	-10.25	8
11g	CH1	-34.81	-14.21	8
	CH6	-33.69	-13.09	8
	CH11	-33.12	-12.52	8
Note: Result = Measured + Cable loss + Attenuator loss				
Conclusion: PASS				

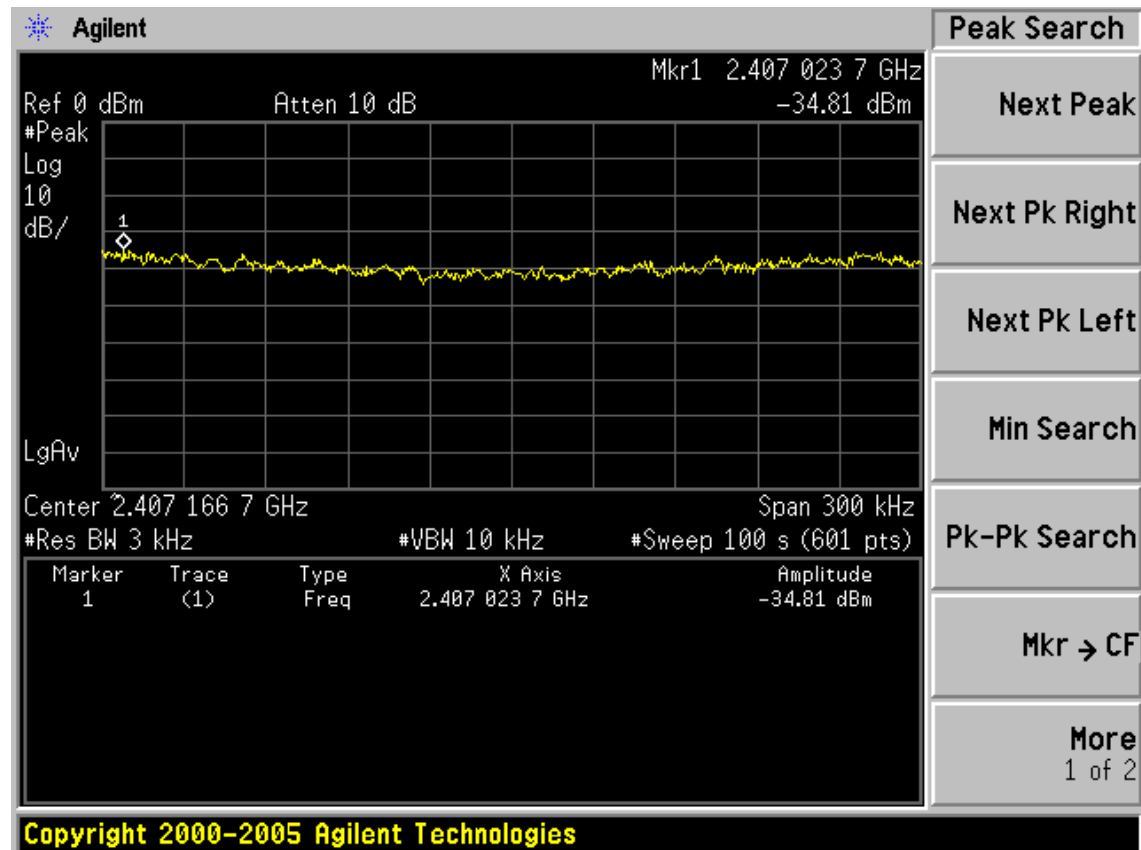
Original test data

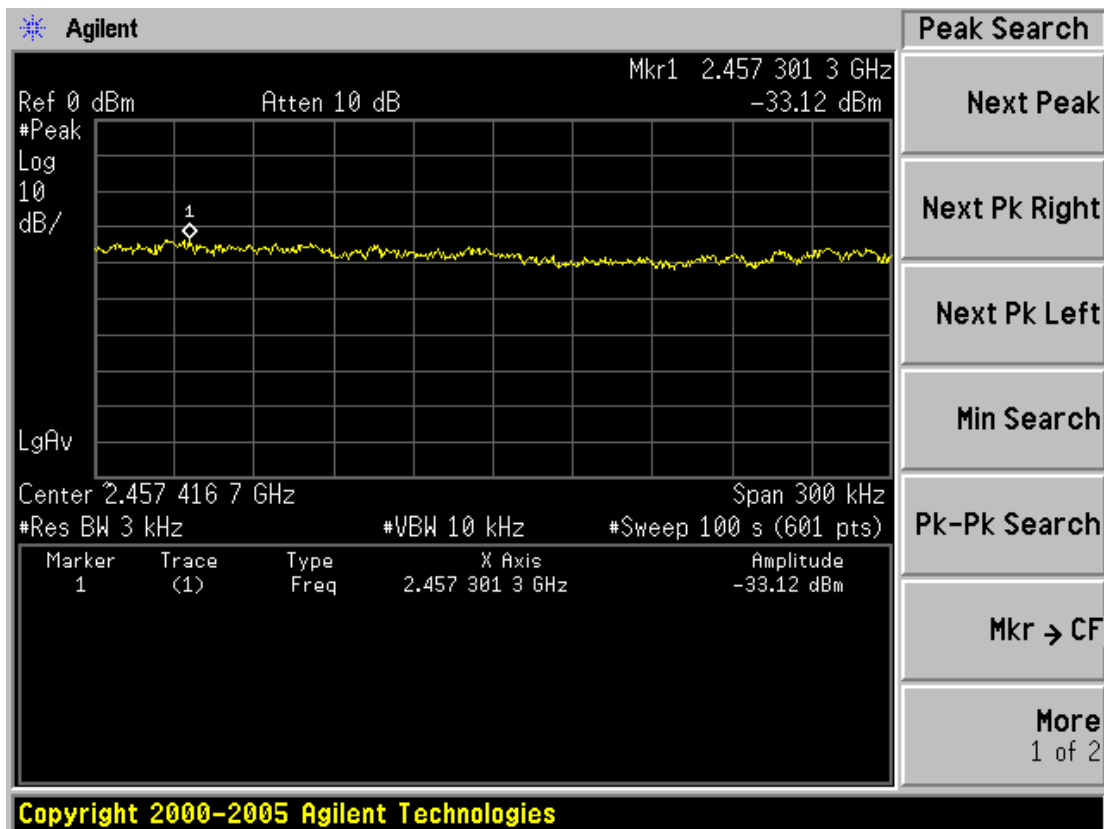
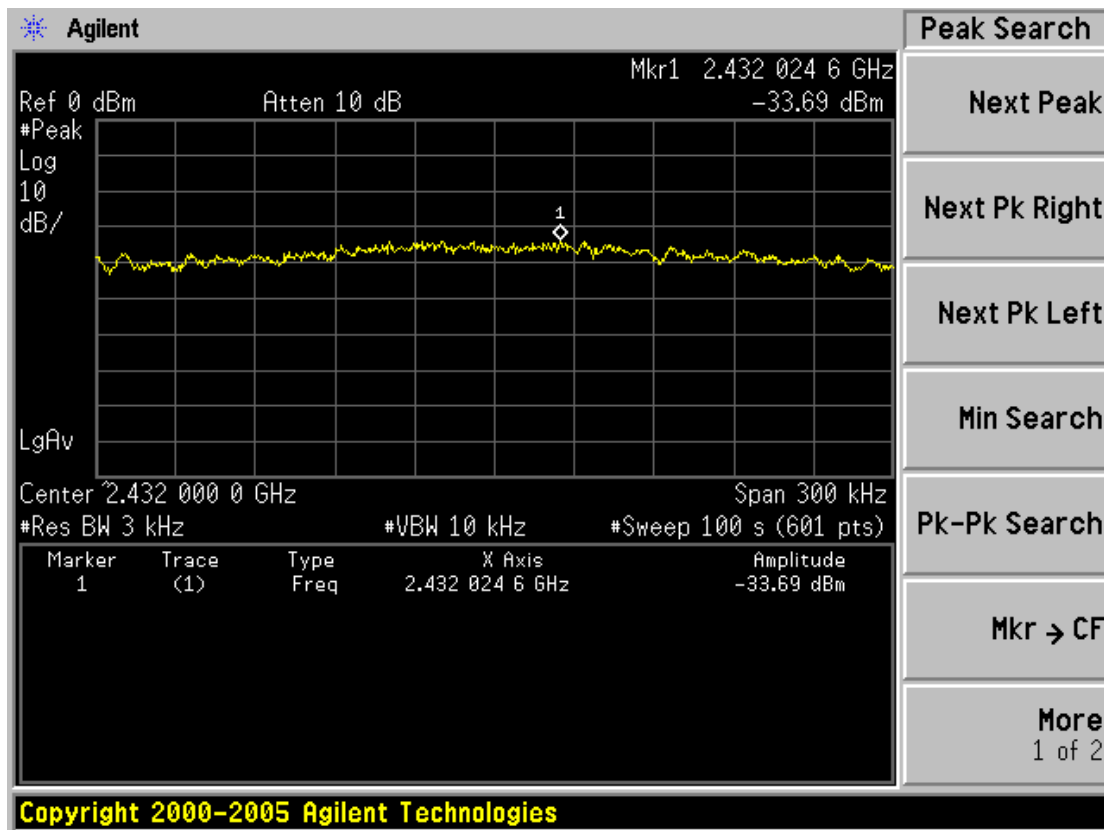
Test Mode: IEEE 802.11b





Test Mode: IEEE 802.11g





6. Conducted spurious emissions

6.1. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB or 30dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

6.2. Test Procedure

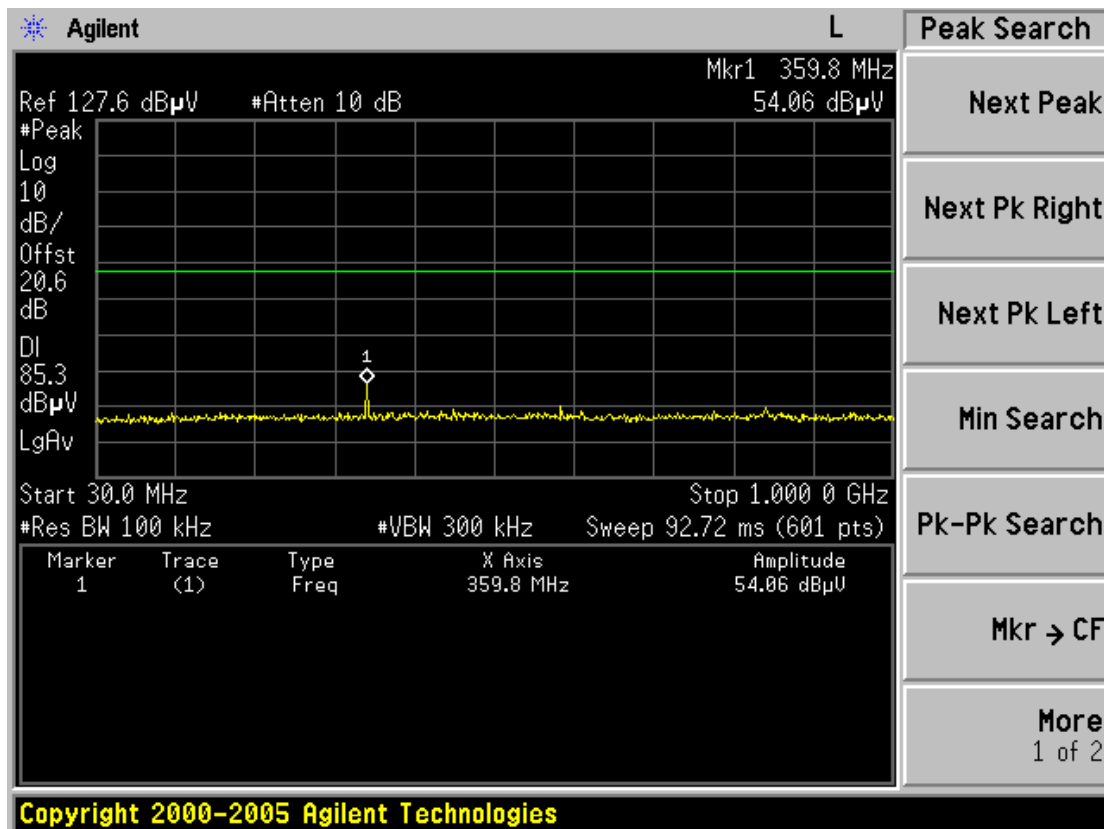
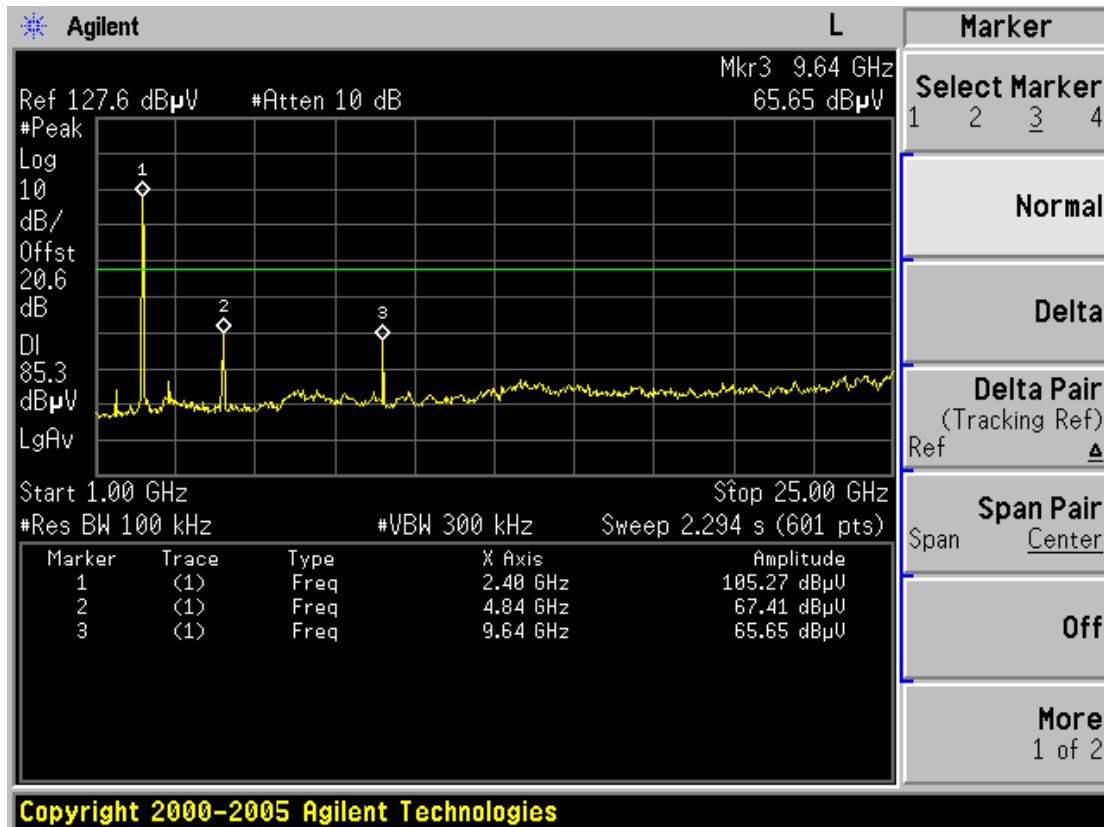
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

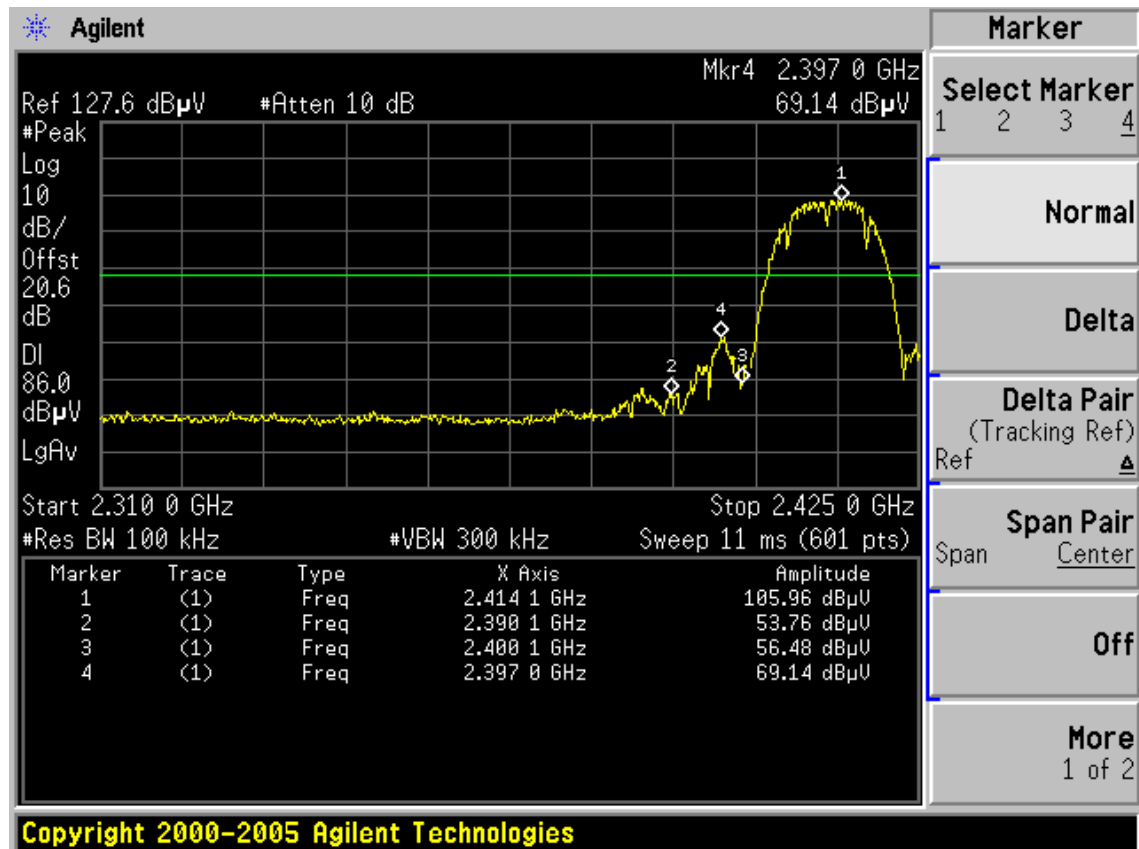
6.3. Test Result

PASS (The testing data was attached in the next pages.)

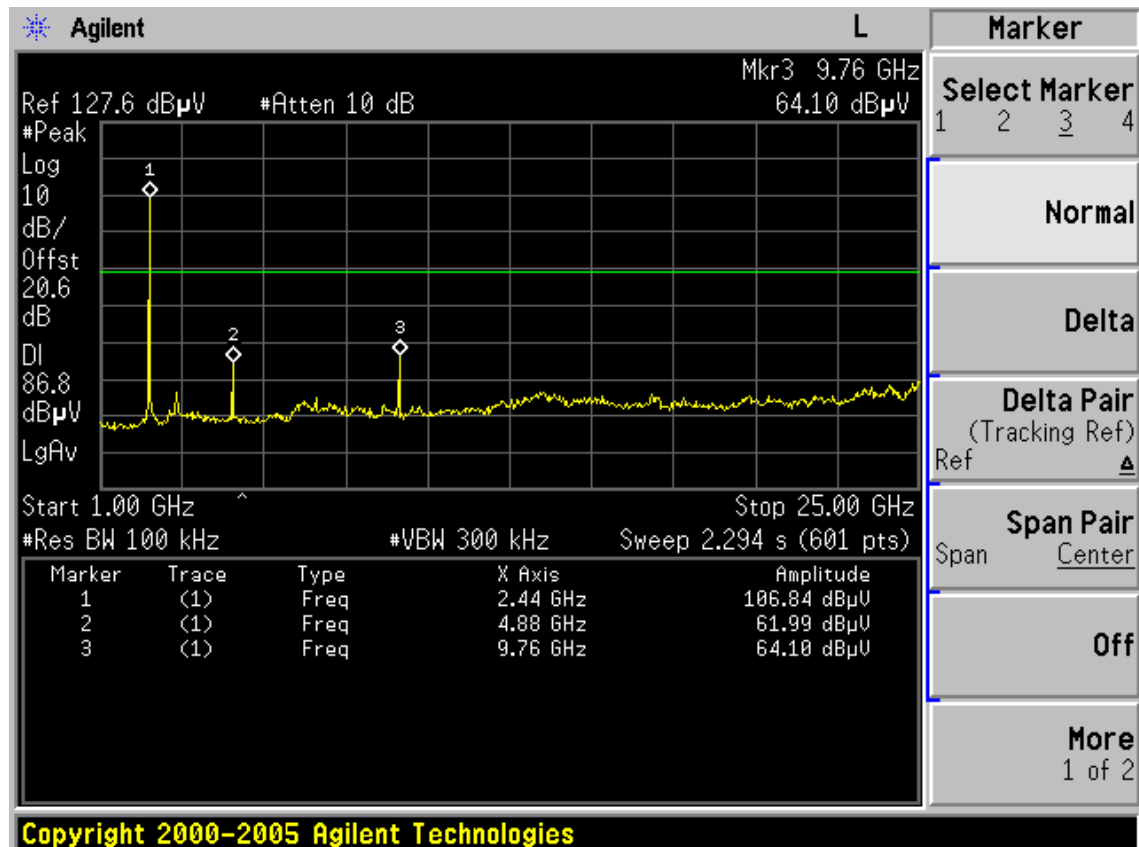
In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator are at least 30dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

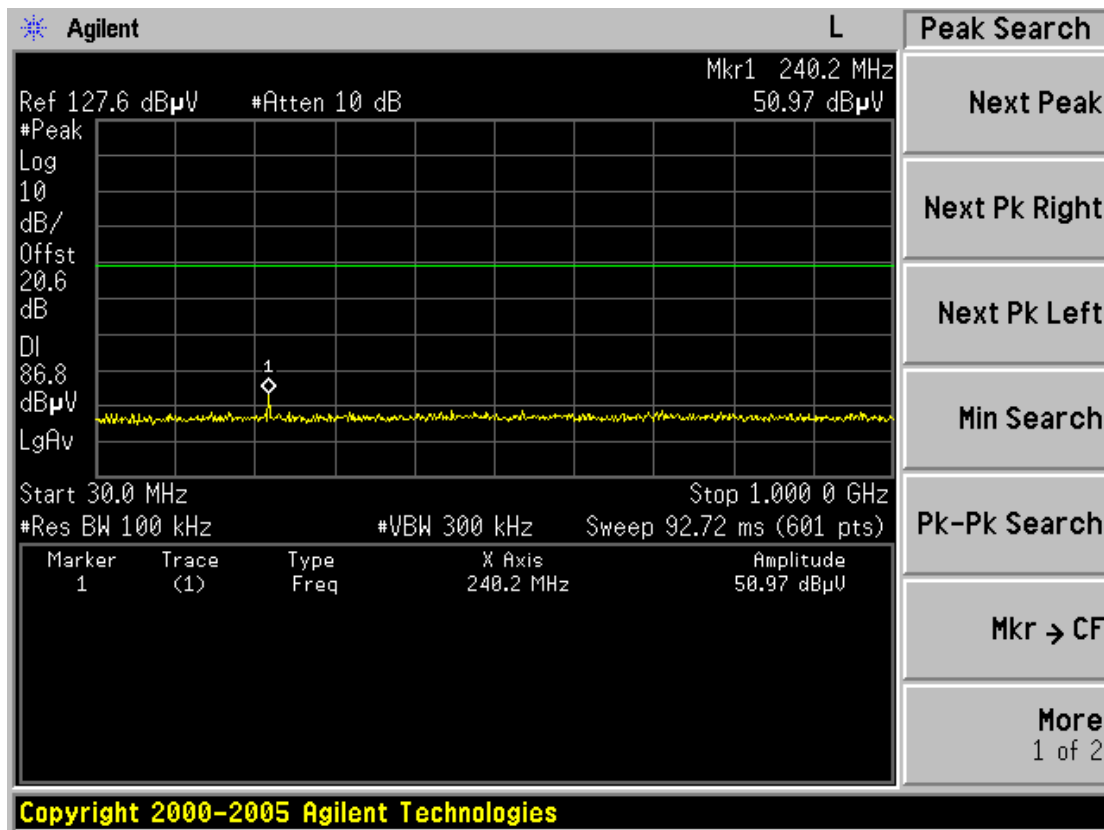
Test Mode: IEEE 802.11b TX Test CH1: 2412MHz



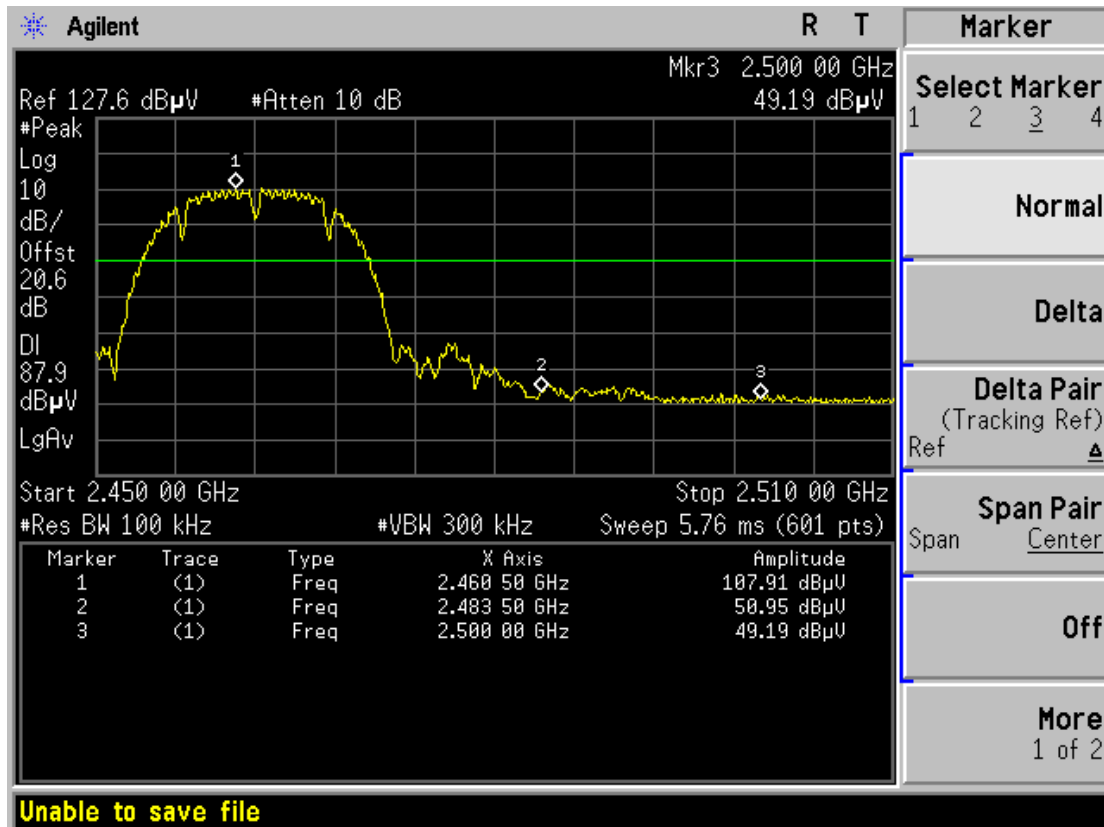


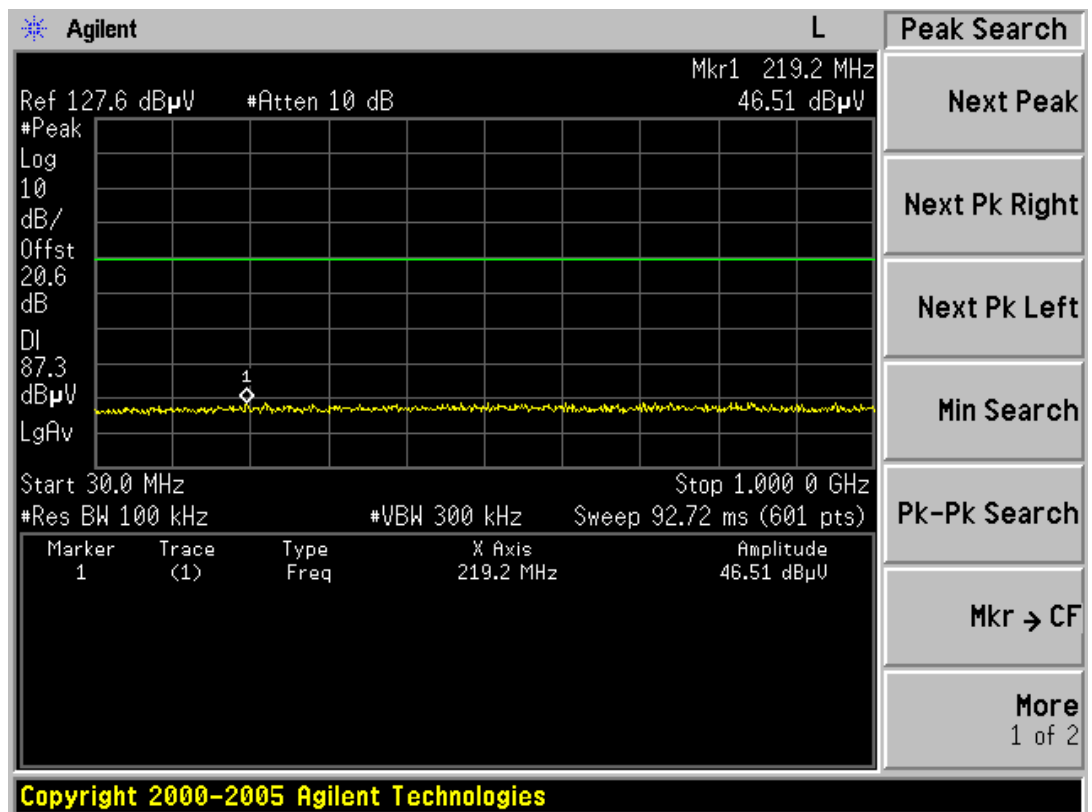
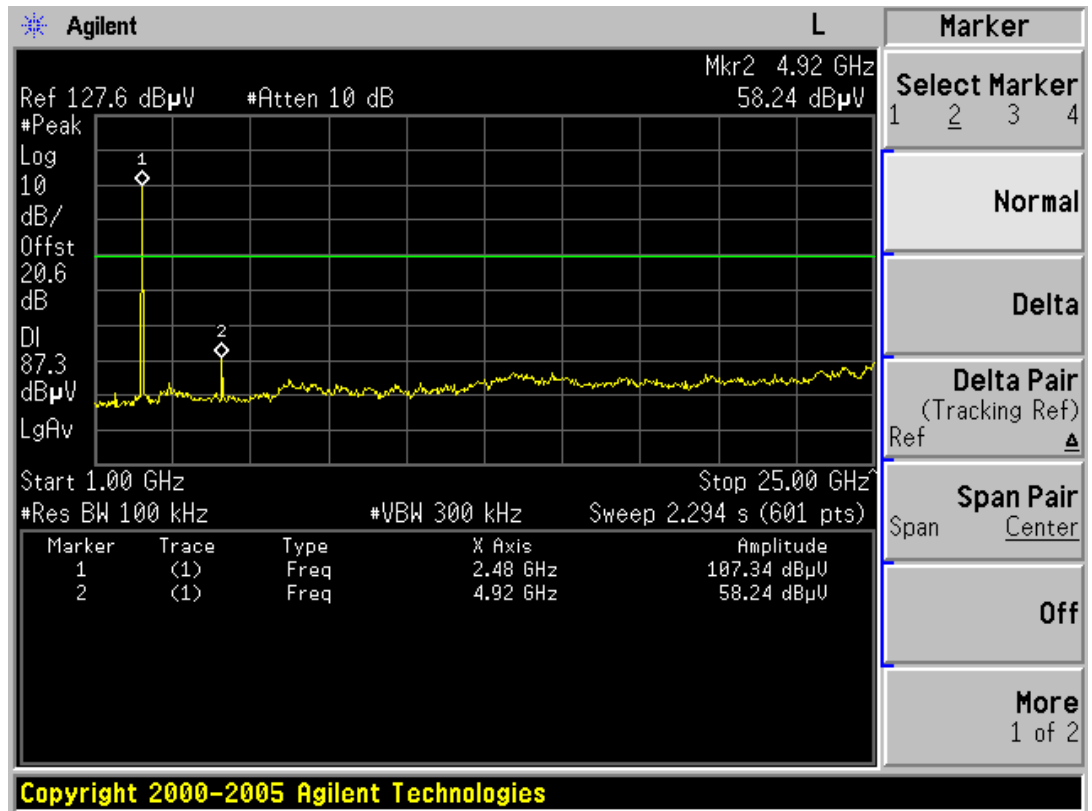
Test CH6: 2437MHz



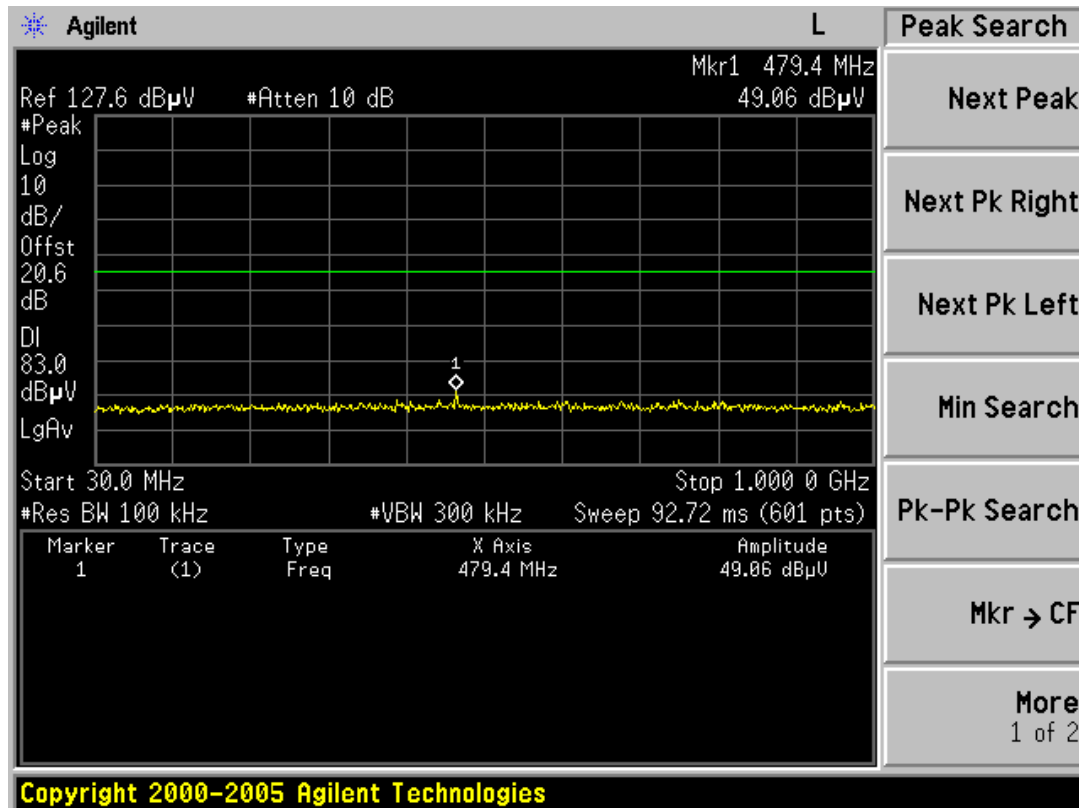
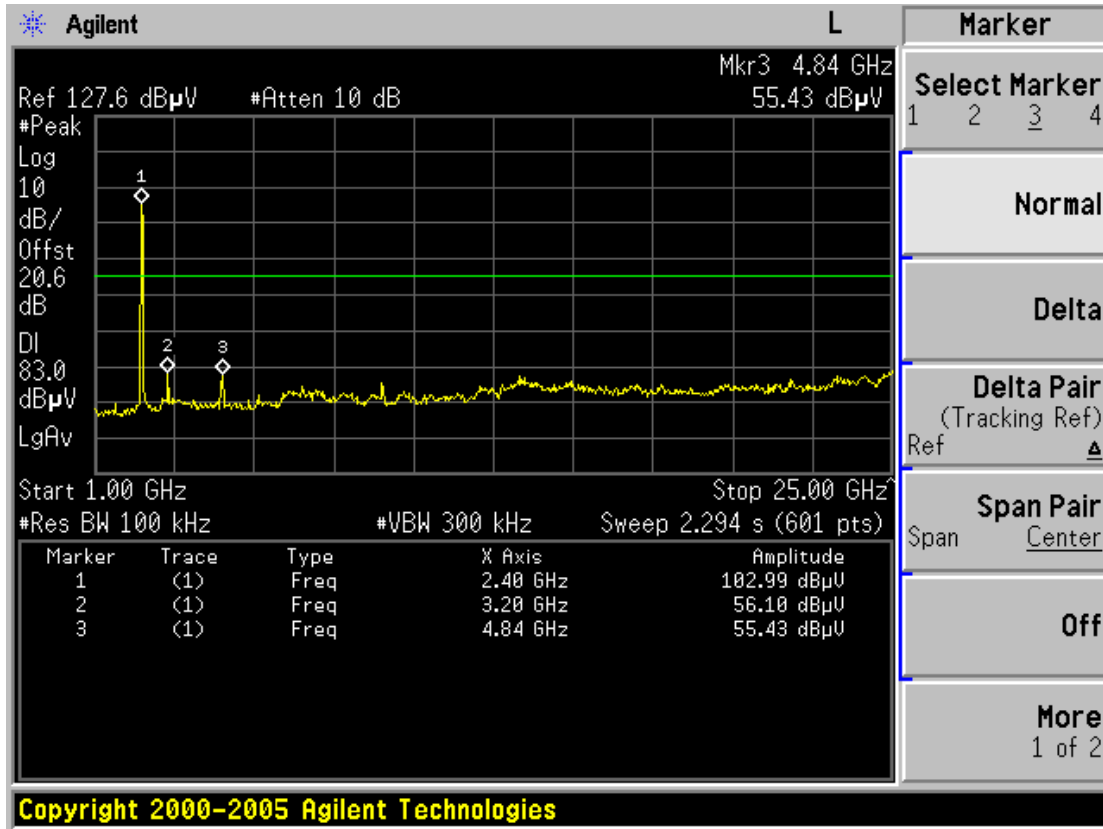


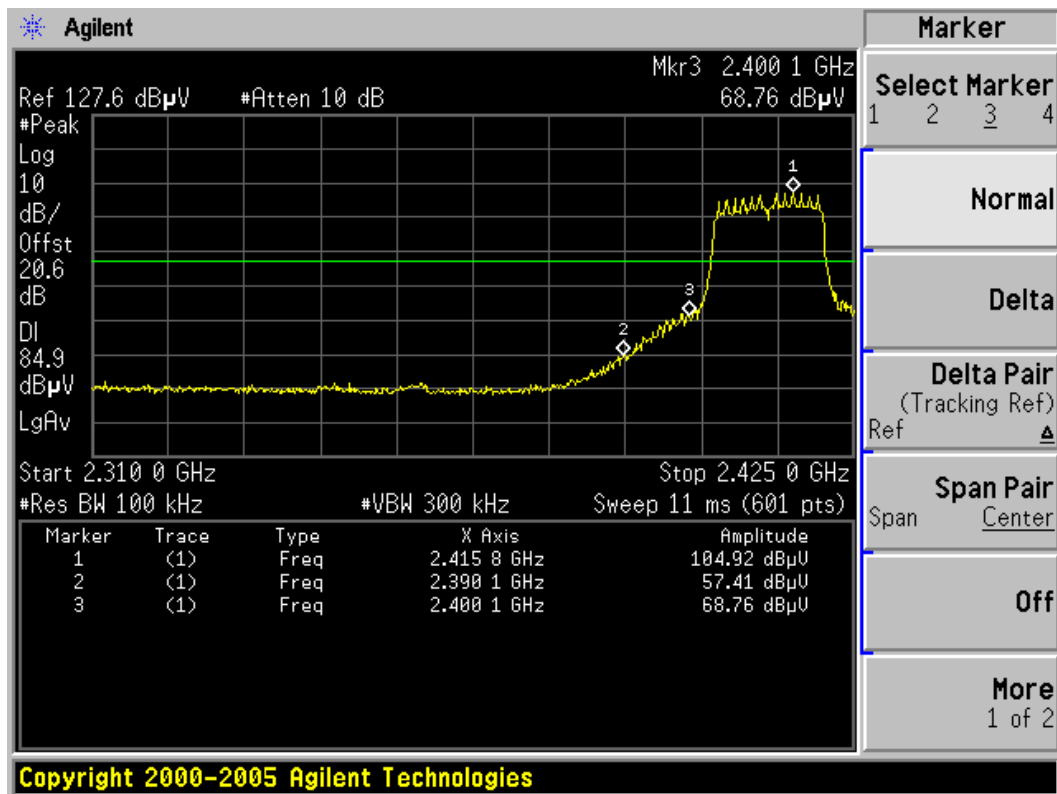
Test CH11: 2462MHz



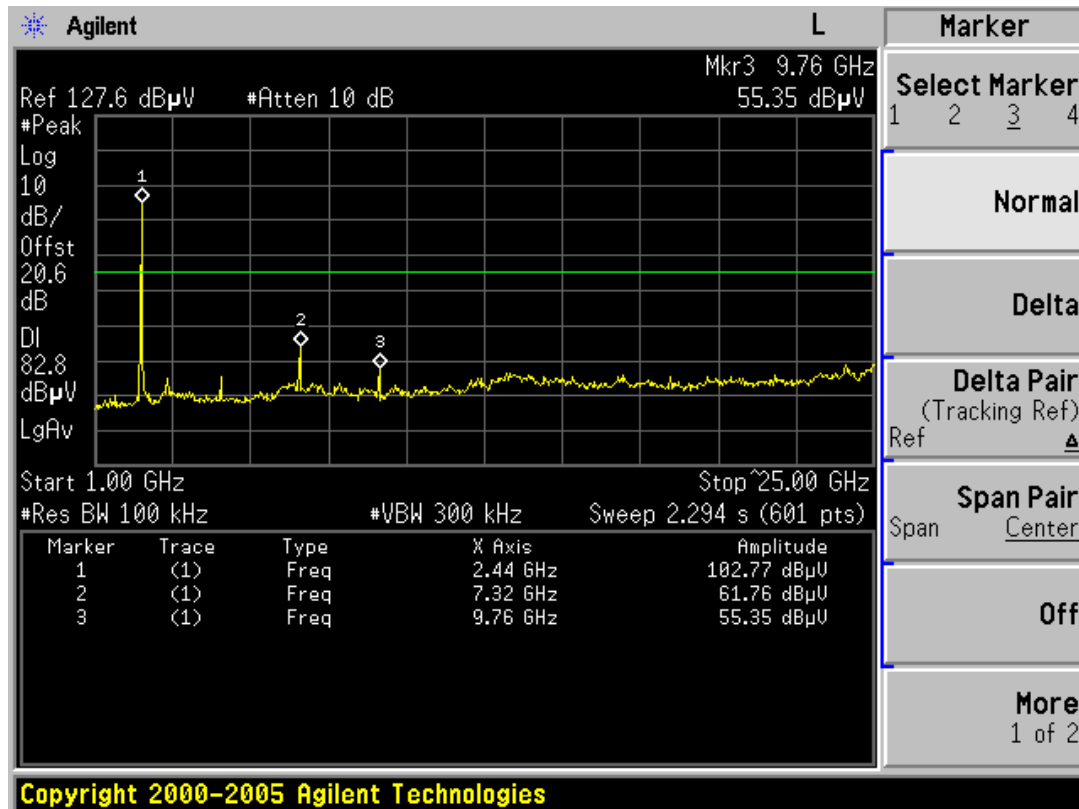


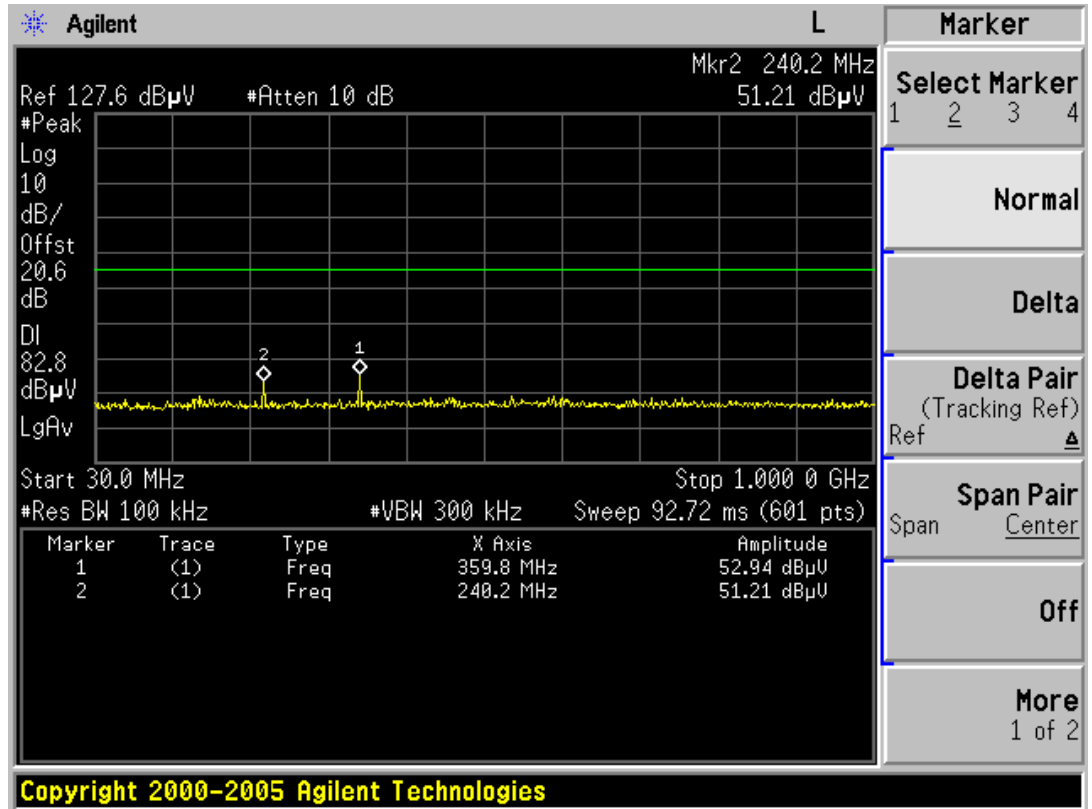
Test Mode: IEEE 802.11g TX
 Test CH1: 2412MHz



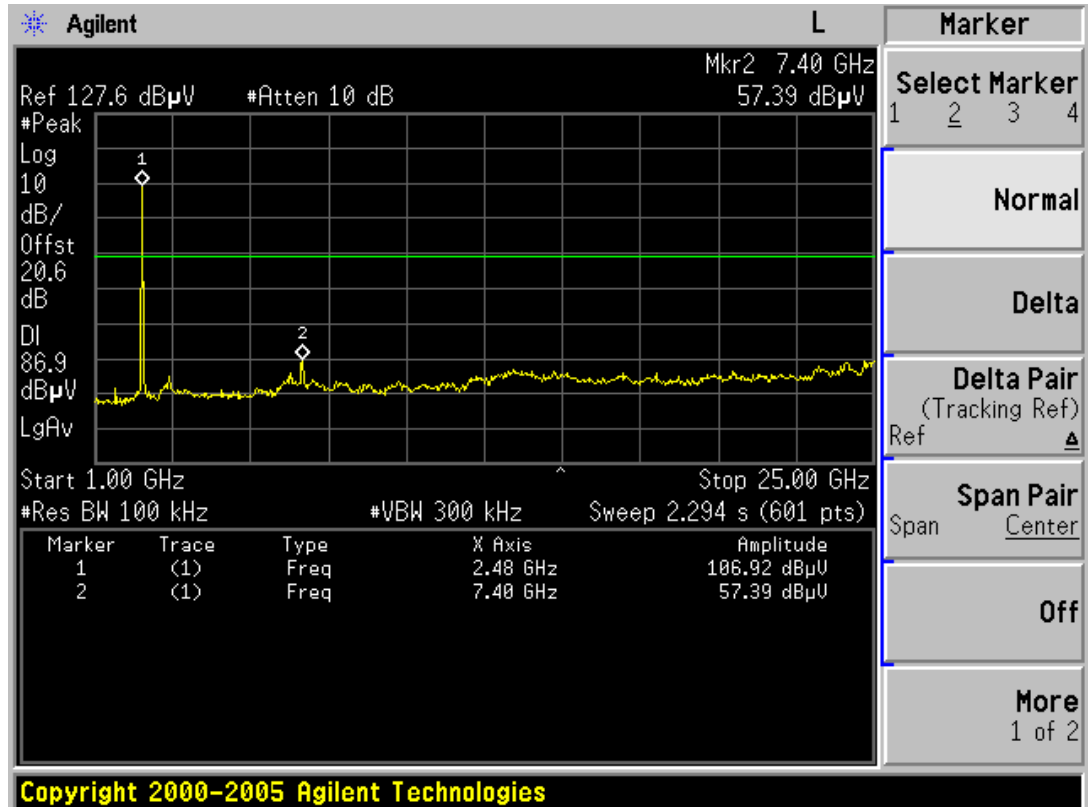


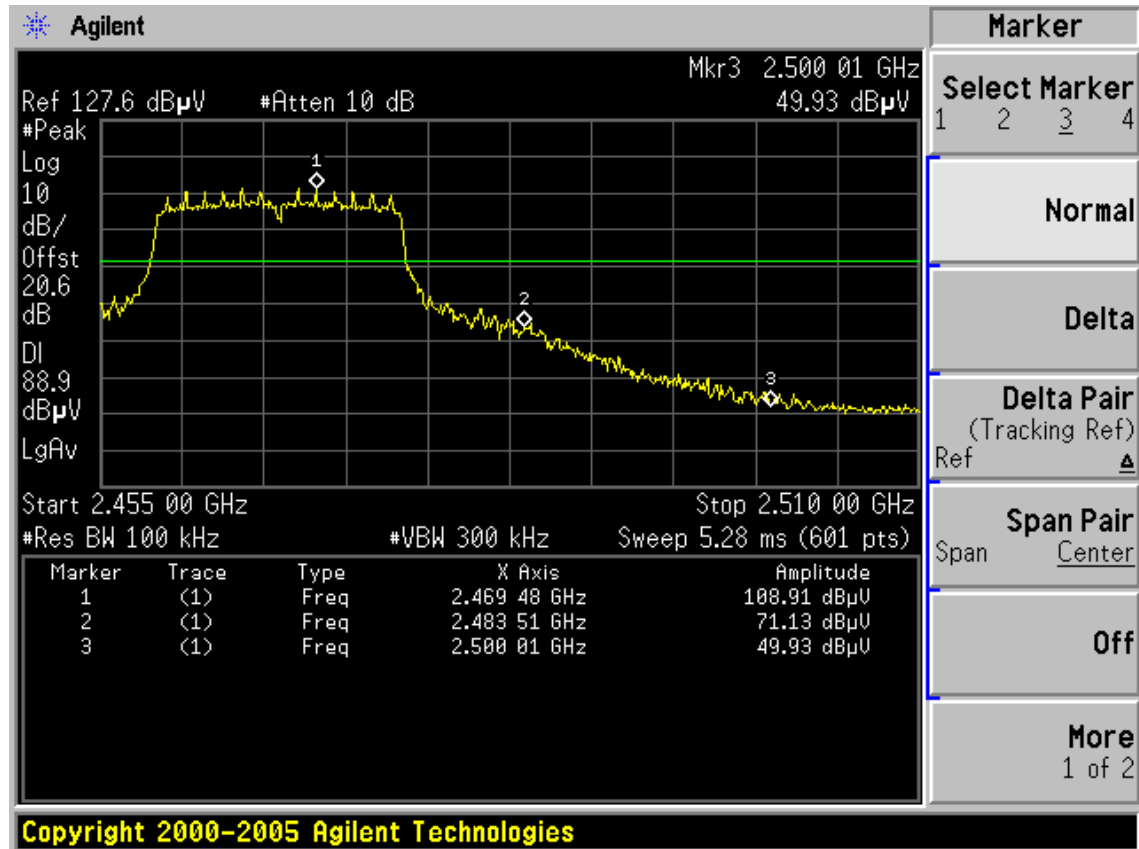
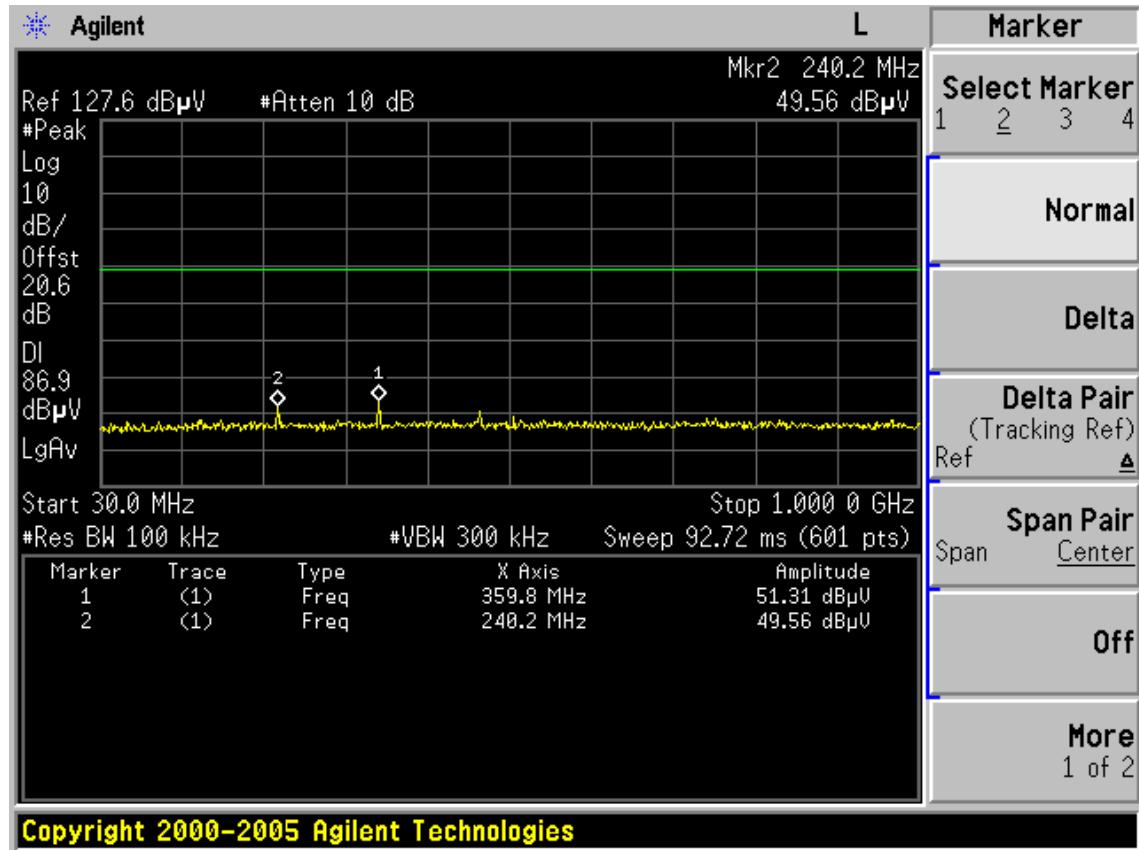
Test CH6: 2437MHz





Test CH11: 2462MHz





7. Radiated emission

7.1. Limit

7.1.1. 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 $\text{dB}(\mu\text{V})/\text{m}$ (Peak) 54.0 $\text{dB}(\mu\text{V})/\text{m}$ (Average)	

Remark : (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V}/\text{m}$

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

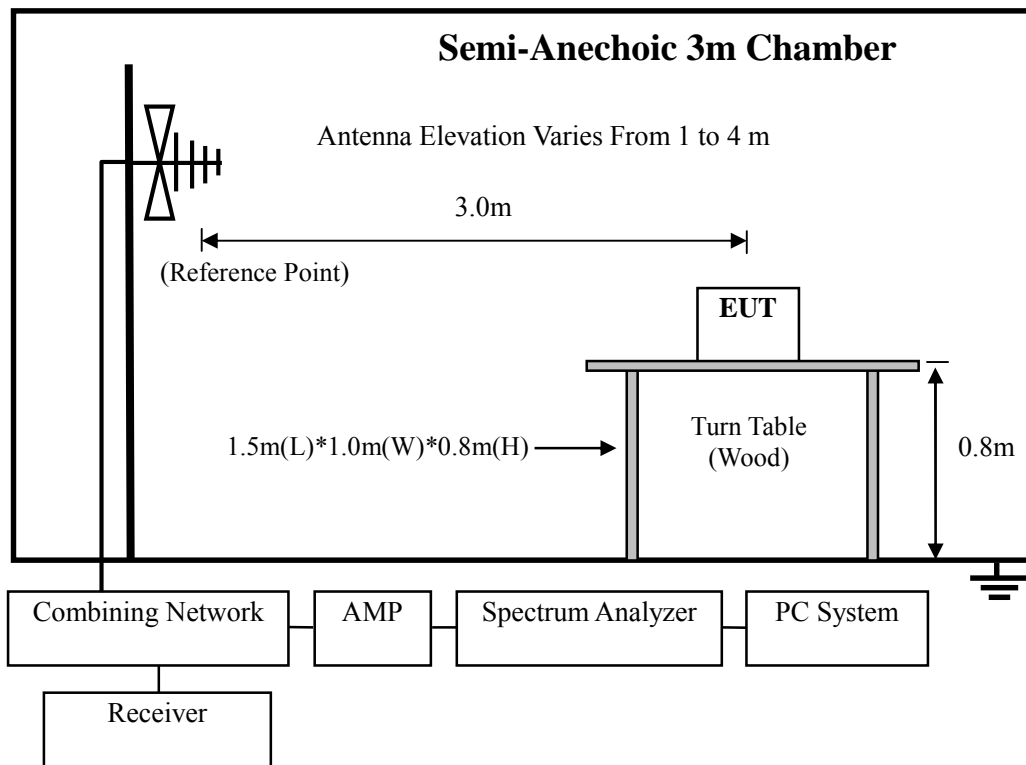
7.1.2. 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	⊙

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

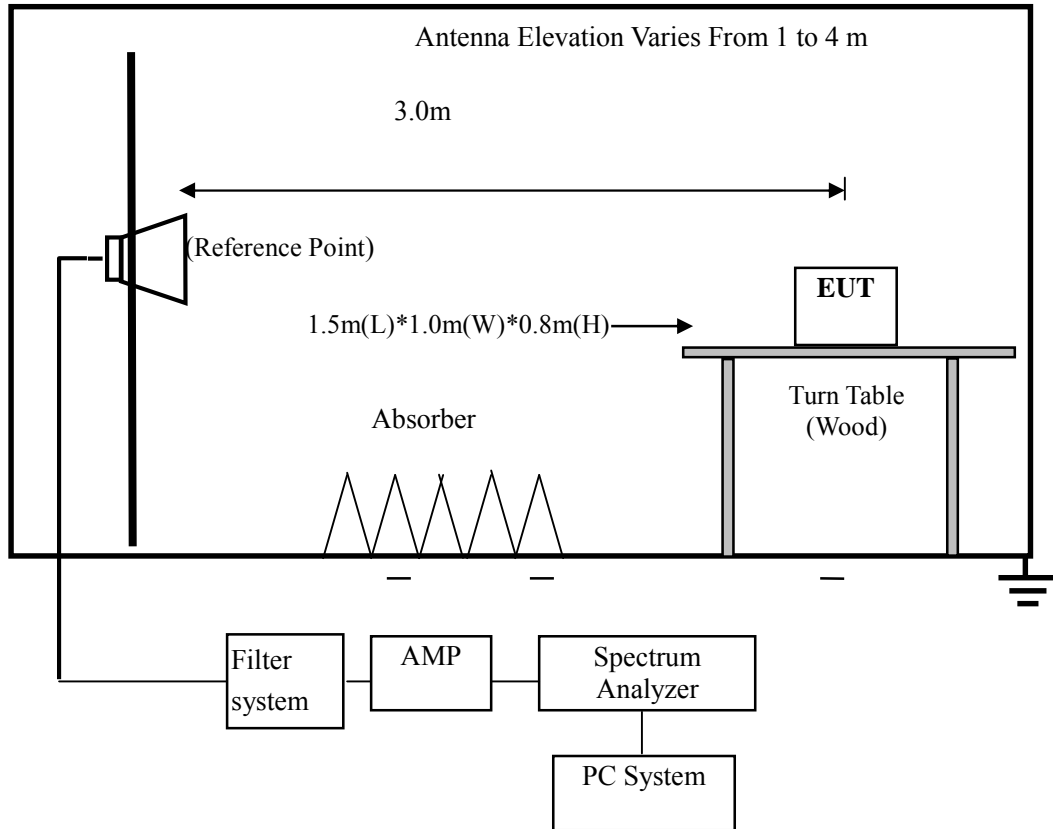
7.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range above 1GHz

Semi-Anechoic 3m Chamber



7.3. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

Note 1: In the exploratory test, the power supply was varied between 85% and 115% of the nominal rated supply voltage(AC 120V/60Hz), and no any of obvious changes of emissions include fundamental emission and frequency were detected, so all the final test were performed with nominal rated supply voltage: AC 120V/60Hz

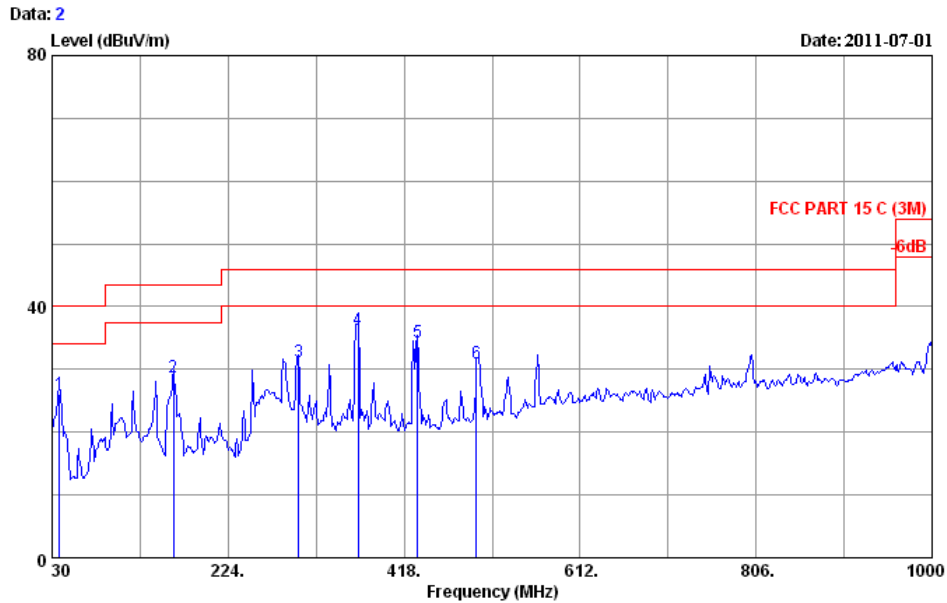
Note 2: EUT was tested with three azimuths, and the maximum emission level was found went EUT planed to table as test photo indicated, all the final radiated emissions were tested with EUT in that azimuths.

7.4. Test Result

PASS

Note: For emissions above 1GHz,if peak level comply with average limit, then the average level is deemed to comply with average limit.

30MHz-1GHz Radiated emissions test data:

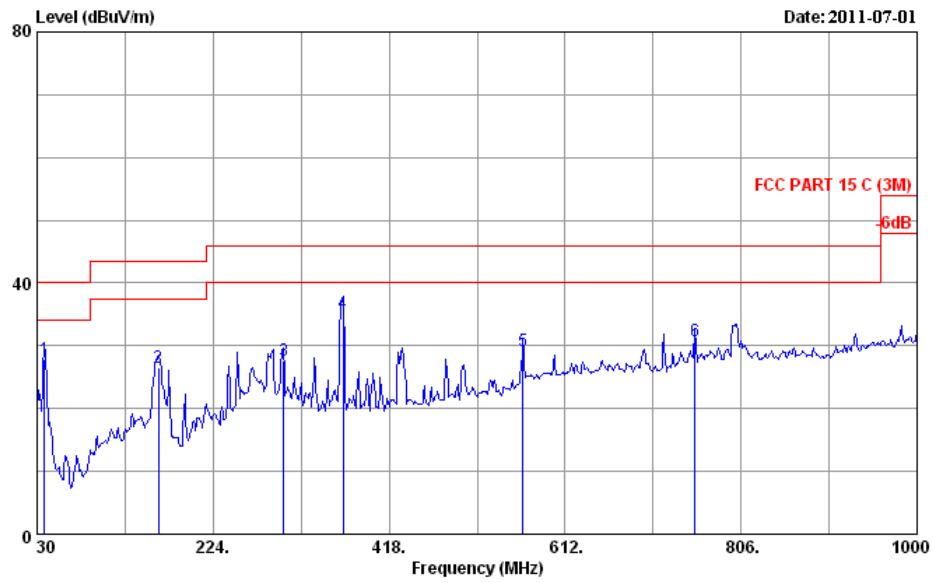


Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 2011 CBL6111C Ant. pol. : VERTICAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Paul Tian
 EUT : MLEARNPAD M/N:MLP-EL8
 Power rating : DC 5V Input From AC 120V/60Hz
 Test Mode : Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.760	15.58	0.67	9.90	26.15	40.00	13.85	QP
2	163.860	10.78	1.30	16.74	28.82	43.50	14.68	QP
3	301.600	13.75	2.49	14.99	31.23	46.00	14.77	QP
4	367.560	15.53	2.77	18.10	36.40	46.00	9.60	QP
5	432.550	17.42	3.12	13.88	34.42	46.00	11.58	QP
6	497.540	18.27	3.53	9.16	30.96	46.00	15.04	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Data: 1

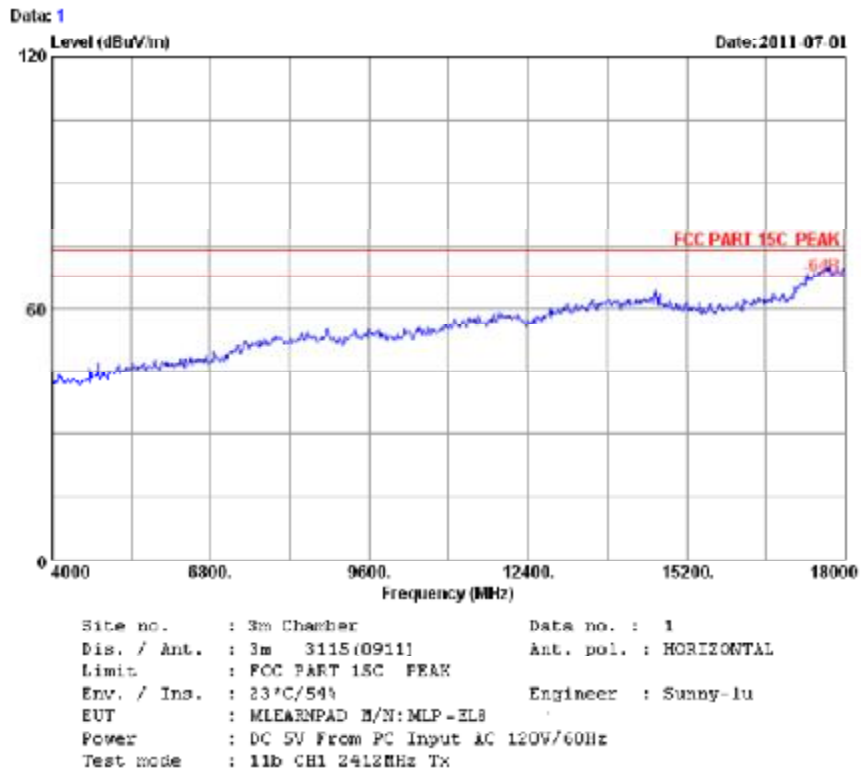


Site no. : 3m Chamber Data no. : 1
 Dis. / Ant. : 3m 2011 CBL6111C Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 C (3M)
 Env. / Ins. : 24°C/56% Engineer : Paul Tian
 EUT : MLEARNPAD M/N:MLP-EL8
 Power rating : DC 5V Input From AC 120V/60Hz
 Test Mode : Tx Mode

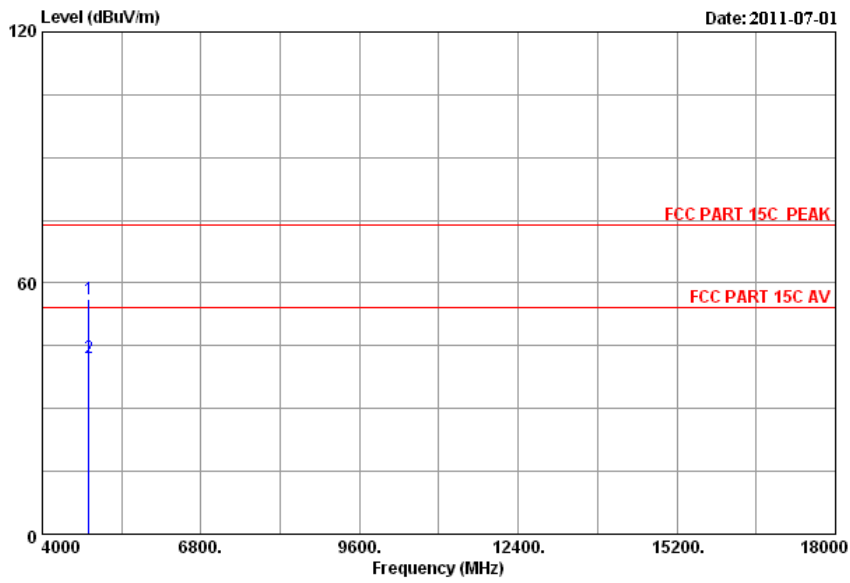
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.760	15.58	0.67	11.54	27.79	40.00	12.21	QP
2	163.860	10.78	1.30	14.47	26.55	43.50	16.95	QP
3	301.600	13.75	2.49	11.42	27.66	46.00	18.34	QP
4	367.560	15.53	2.77	16.98	35.28	46.00	10.72	QP
5	565.440	19.61	3.92	5.67	29.20	46.00	16.80	QP
6	755.560	22.00	4.72	4.00	30.72	46.00	15.28	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

1GHz-18GHz Radiated emissions test data:



Data: 2



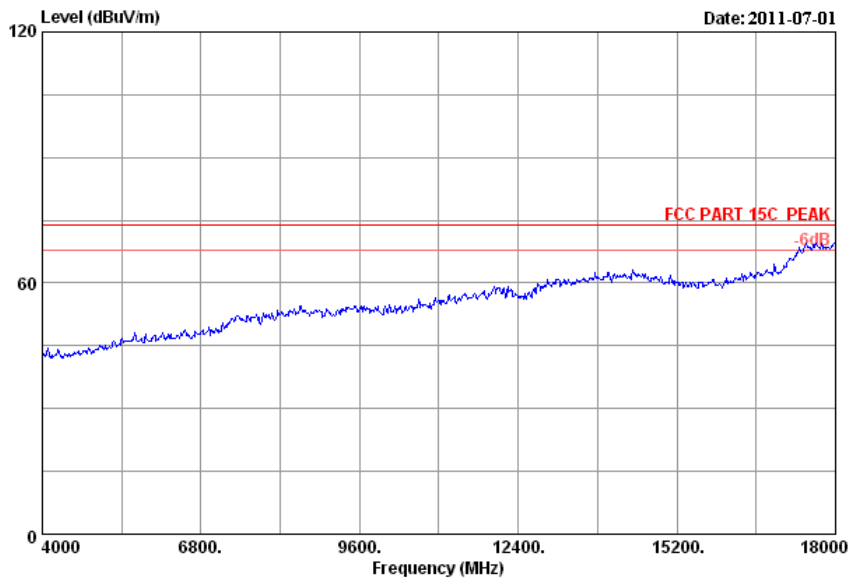
Site no. : 3m Chamber Data no. : 2
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH1 2412MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 4824.000	34.32	10.64	35.08	46.18	56.06	74.00	17.94	Peak
2 4824.000	34.32	10.64	35.08	32.27	42.15	54.00	11.85	Average

Remarks:

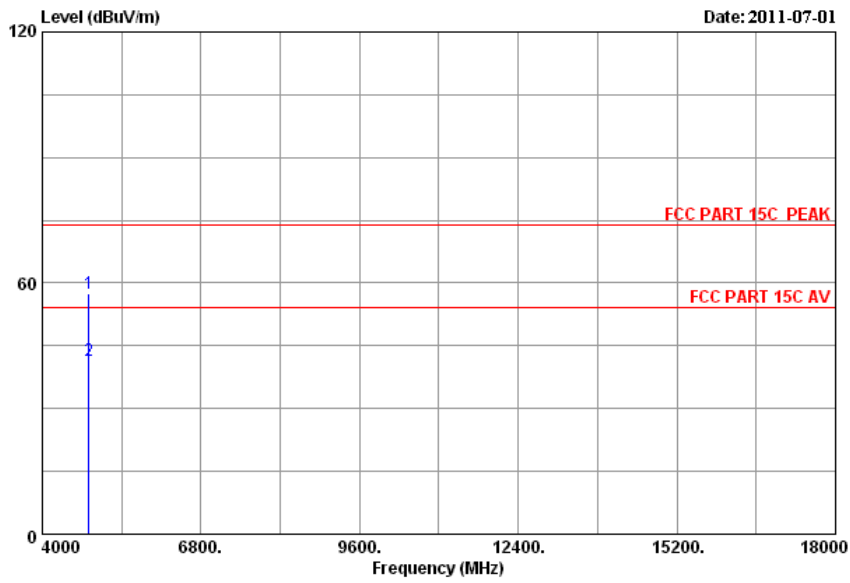
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 3



Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11b CH1 2412MHz Tx

Data: 4



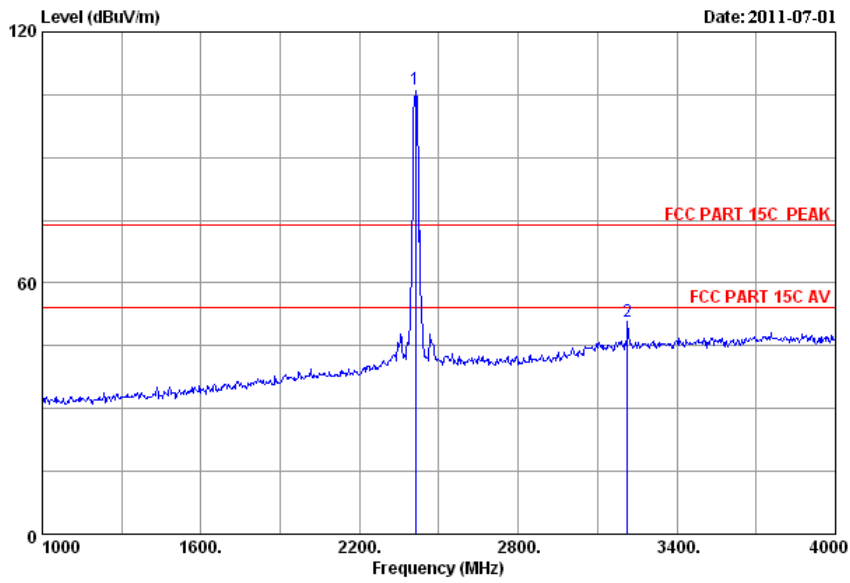
Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH1 2412MHz Tx

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.32	10.64	35.08	47.66	57.54	74.00	16.46	Peak
2	4824.000	34.32	10.64	35.08	31.66	41.54	54.00	12.46	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 9

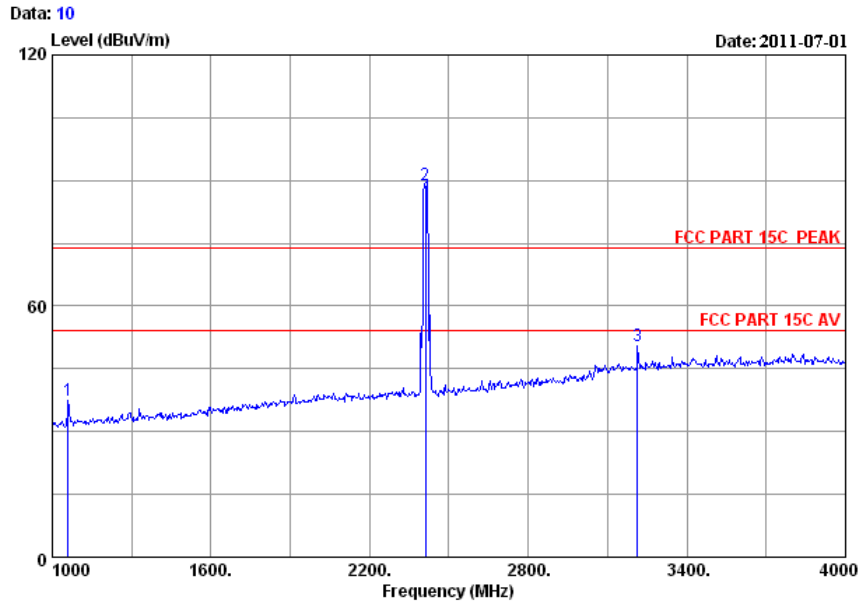


Site no. : 3m Chamber Data no. : 9
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH1 2412MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	29.45	7.43	36.62	106.19	106.45	74.00	-32.45	Peak
2	3214.000	32.54	8.79	36.28	45.74	50.79	74.00	23.21	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



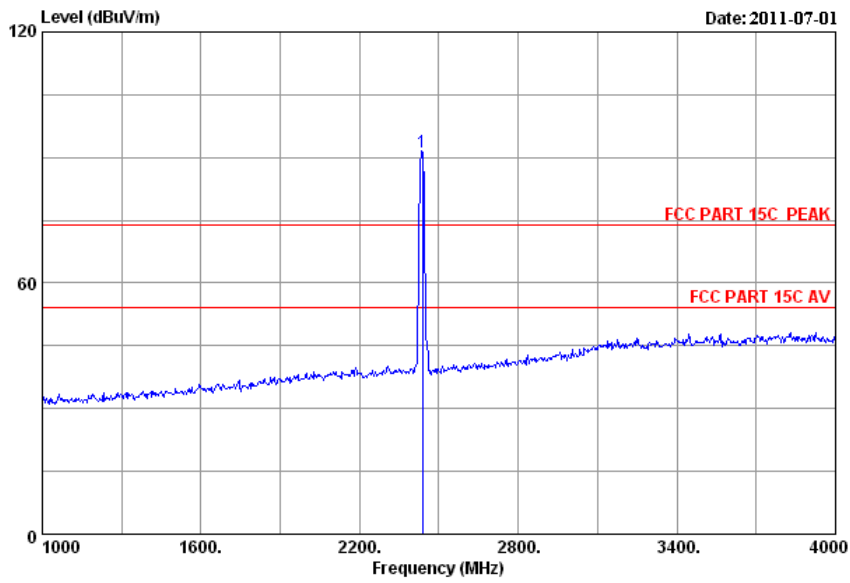
Site no. : 3m Chamber Data no. : 10
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH1 2412MHz Tx

	Ant.	Cable	Amp.	Emission					
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1060.000	25.54	4.89	37.81	44.72	37.34	74.00	36.66	Peak
2	2412.000	29.45	7.43	36.62	88.69	88.95	74.00	-14.95	Peak
3	3214.000	32.54	8.79	36.28	45.35	50.40	74.00	23.60	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 11



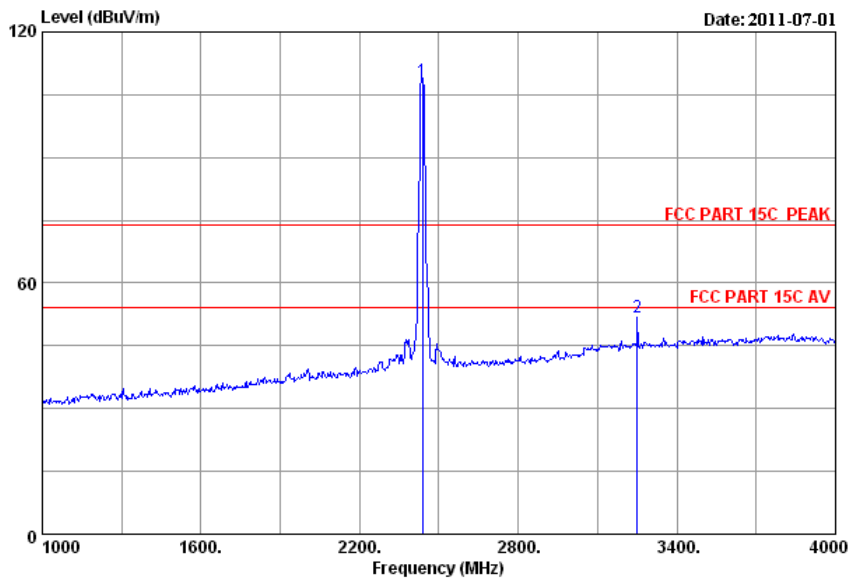
Site no. : 3m Chamber Data no. : 11
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH6 2437MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2437.000	29.47	7.46	36.61	90.81	91.13	74.00	-17.13	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 12



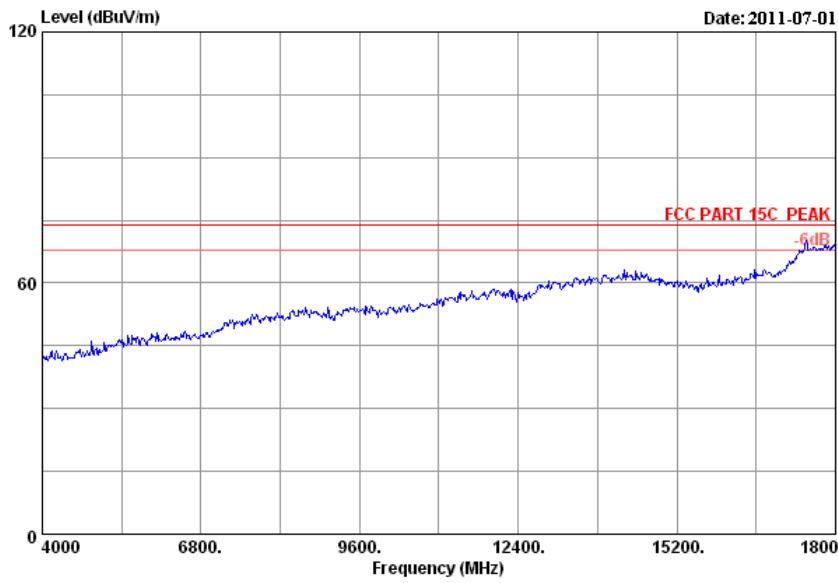
Site no. : 3m Chamber Data no. : 12
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH6 2437MHz Tx

	Ant.	Cable	Amp.	Emission					
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.000	29.47	7.46	36.61	107.85	108.17	74.00	-34.17	Peak
2	3250.000	32.63	8.83	36.25	46.70	51.91	74.00	22.09	Peak

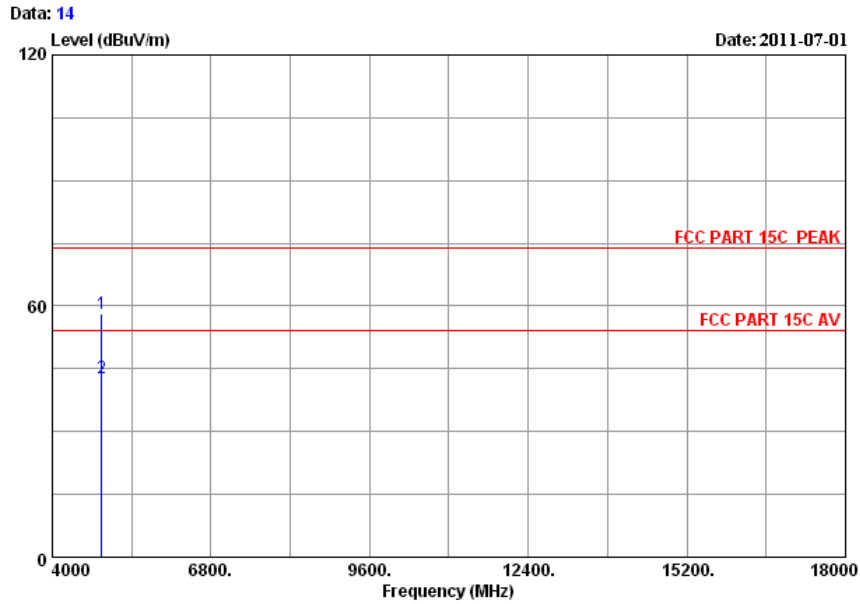
Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 13



Site no. : 3m Chamber Data no. : 13
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11b CH6 2437MHz Tx

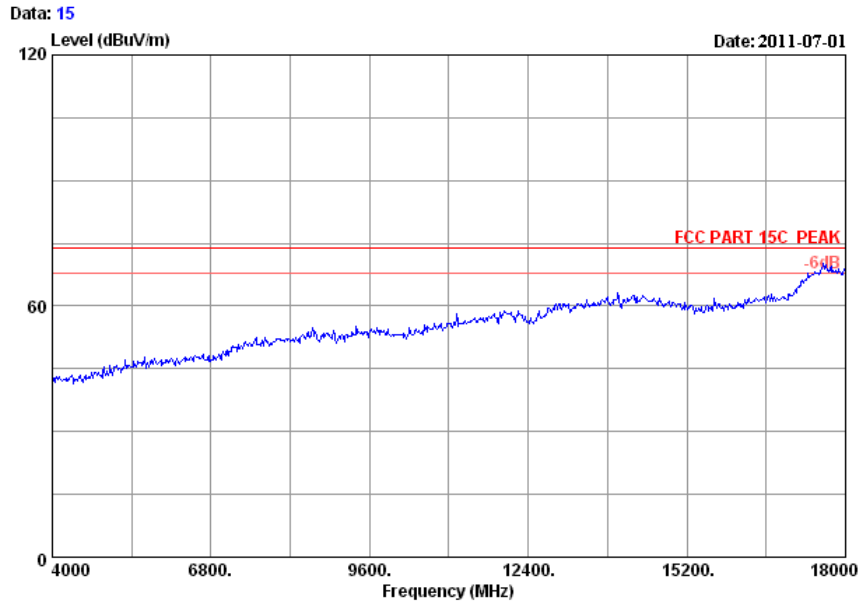


Site no. : 3m Chamber Data no. : 14
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH6 2437MHz Tx

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.41	10.69	35.03	48.02	58.09	74.00	15.91	Peak
2	4874.000	34.41	10.69	35.03	32.74	42.61	54.00	11.19	Average

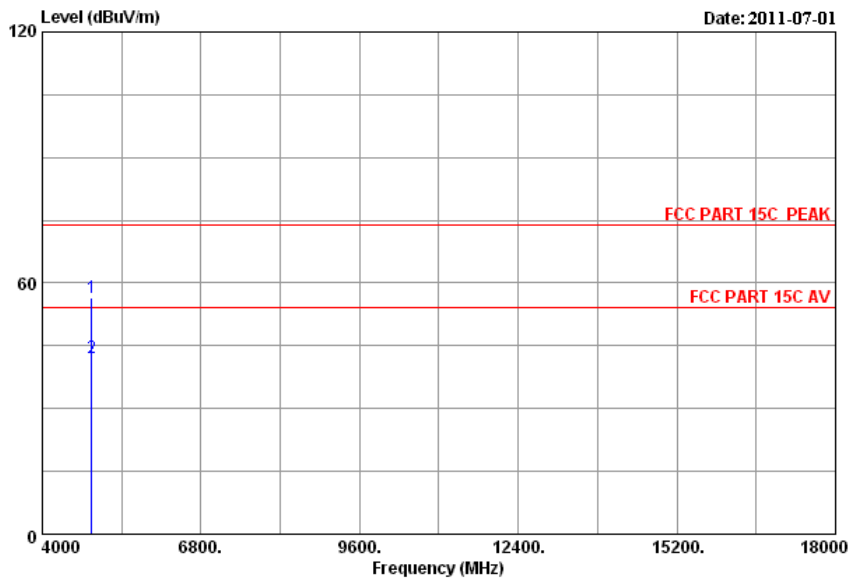
Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11b CH6 2437MHz Tx

Data: 16



Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH6 2437MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 4874.000	34.41	10.69	35.03	46.38	56.45	74.00	17.55	Peak
2 4874.000	34.41	10.69	35.03	32.15	42.22	54.00	11.78	Average

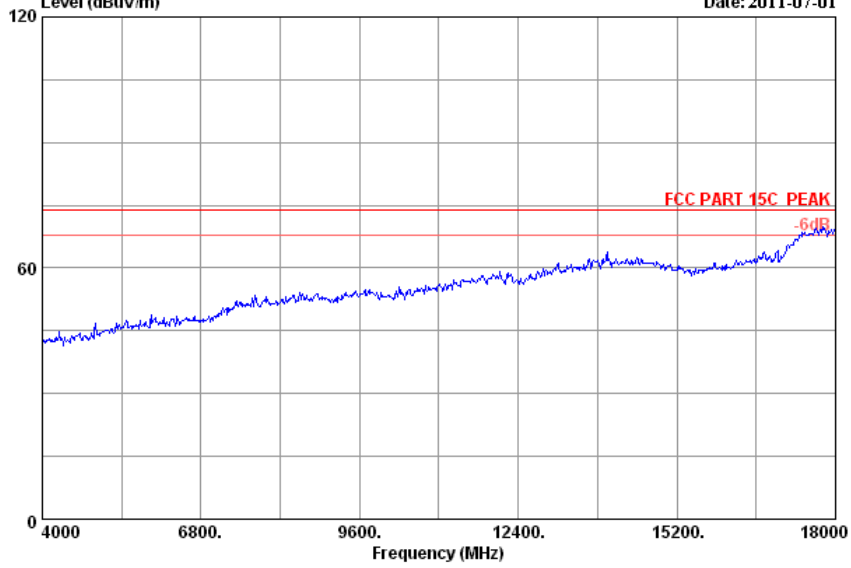
Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 17

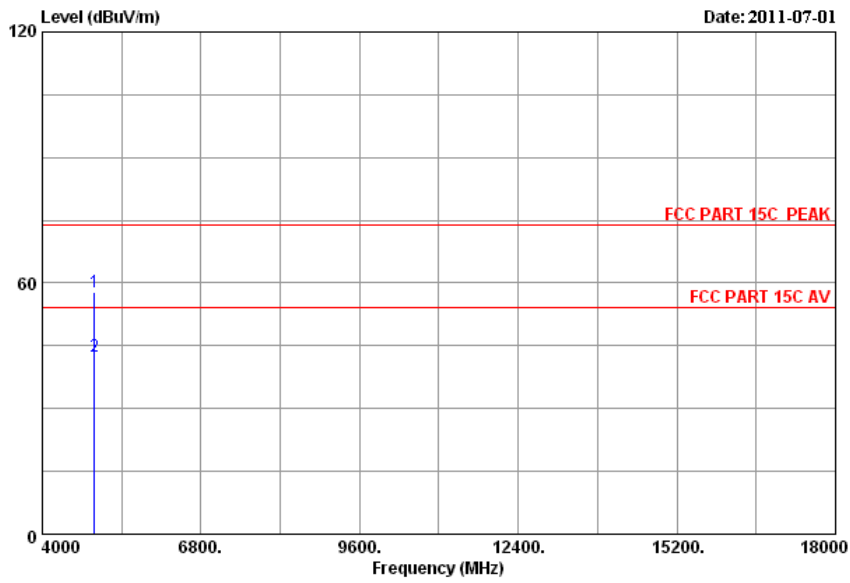
Level (dBuV/m)

Date: 2011-07-01



Site no. : 3m Chamber Data no. : 17
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11b CH11 2462MHz Tx

Data: 18



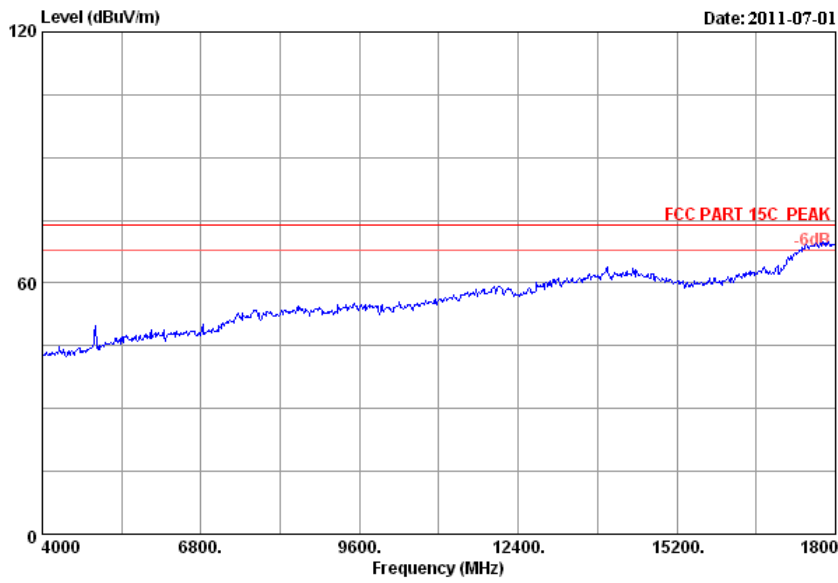
Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH11 2462MHz Tx

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.49	10.76	34.98	47.54	57.81	74.00	16.19	Peak
2	4924.000	34.49	10.76	34.98	32.25	42.52	54.00	11.48	Average

Remarks:

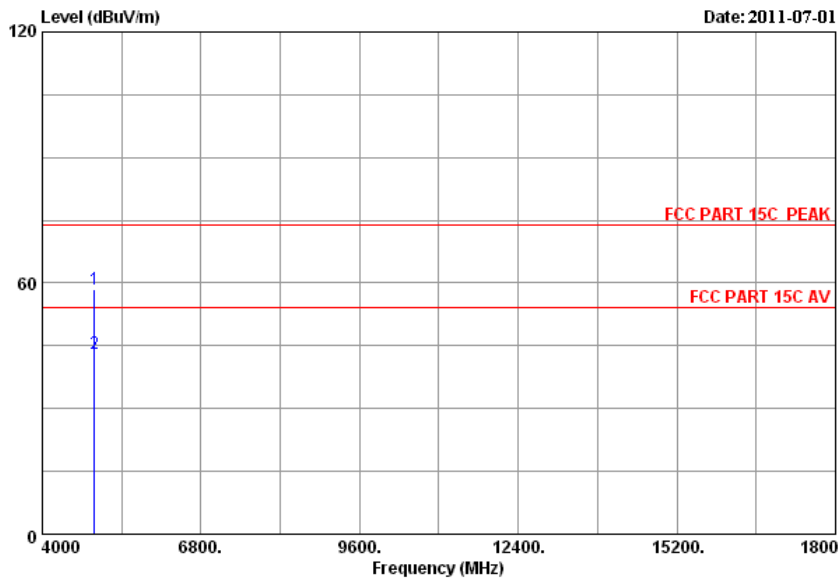
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 19



Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11b CH11 2462MHz Tx

Data: 20



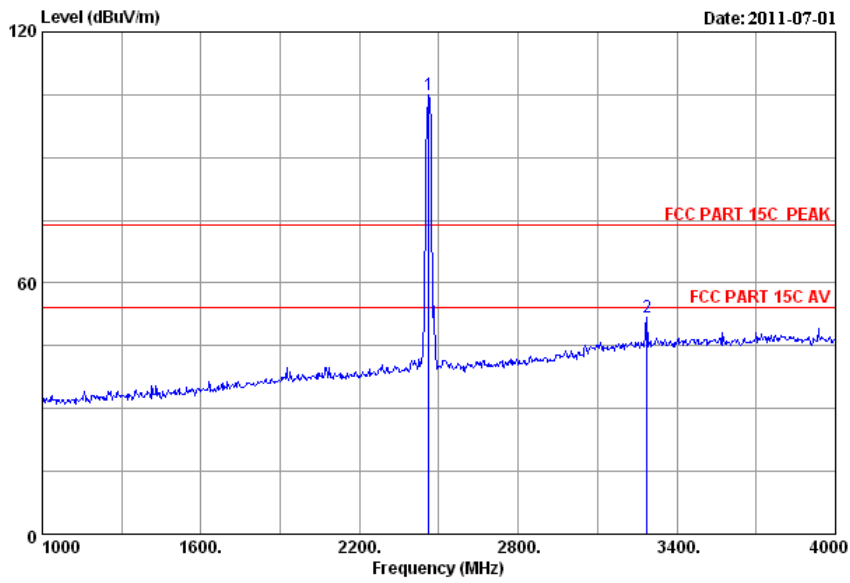
Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH11 2462MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 4924.000	34.49	10.76	34.98	48.34	58.61	74.00	15.39	Peak
2 4924.000	34.49	10.76	34.98	32.87	43.14	54.00	10.86	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 21



```

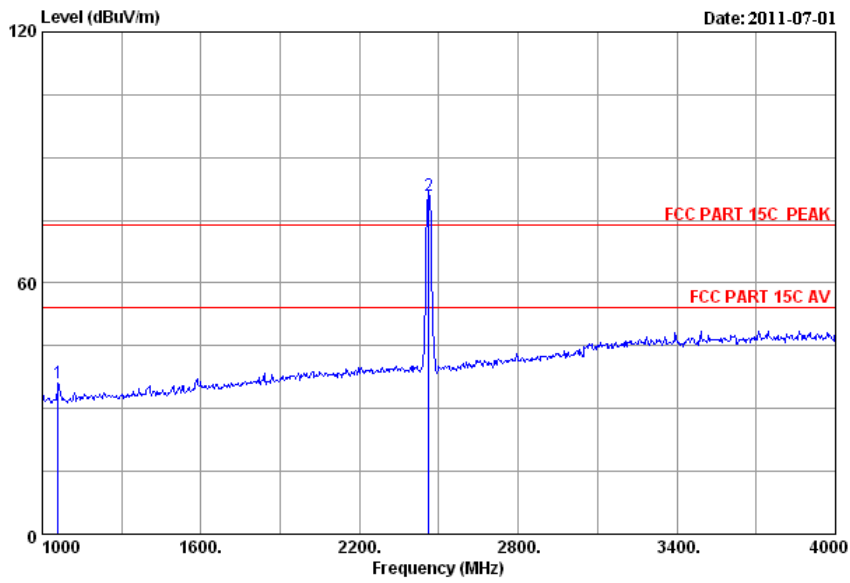
Site no.      : 3m Chamber           Data no. : 21
Dis. / Ant.   : 3m 3115(0911)       Ant. pol. : HORIZONTAL
Limit        : FCC PART 15C PEAK
Env. / Ins.   : 23*C/54%           Engineer  : Sunny-lu
EUT          : MLEARNPAD M/N:MLP-EL8
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : 11b CH11 2462MHz Tx
    
```

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	29.48	7.54	36.61	104.42	104.83	74.00	-30.83	Peak
2	3286.000	32.72	8.88	36.20	46.42	51.82	74.00	22.18	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 22



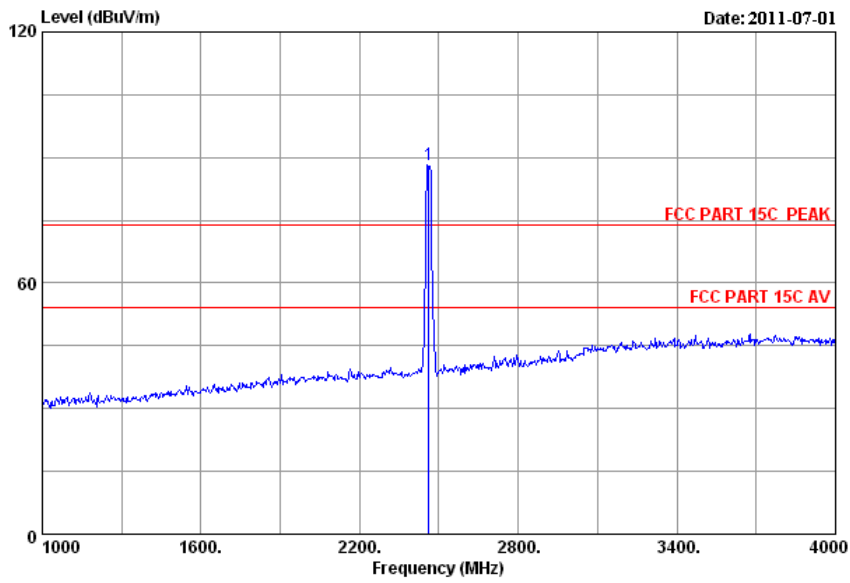
Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH11 2462MHz Tx

	Ant.	Cable	Amp.	Emission					
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	1060.000	25.54	4.89	37.81	43.60	36.22	74.00	37.78	Peak
2	2462.000	29.48	7.54	36.61	80.37	80.78	74.00	-6.78	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 31



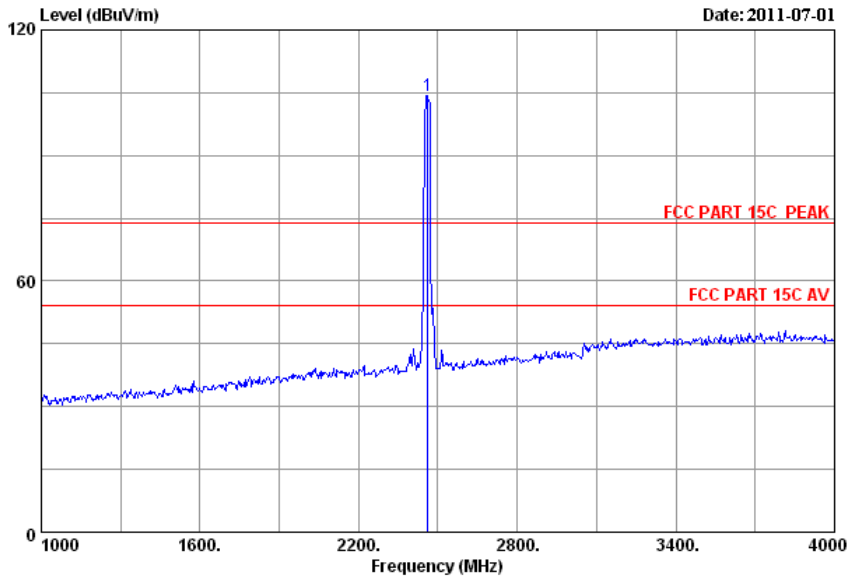
Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2462.000	29.48	7.54	36.61	87.68	88.09	74.00	-14.09	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 32



Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Ant.	Cable	Amp.	Emission					
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2462.000	29.48	7.54	36.61	103.96	104.37	74.00	-30.37	Peak

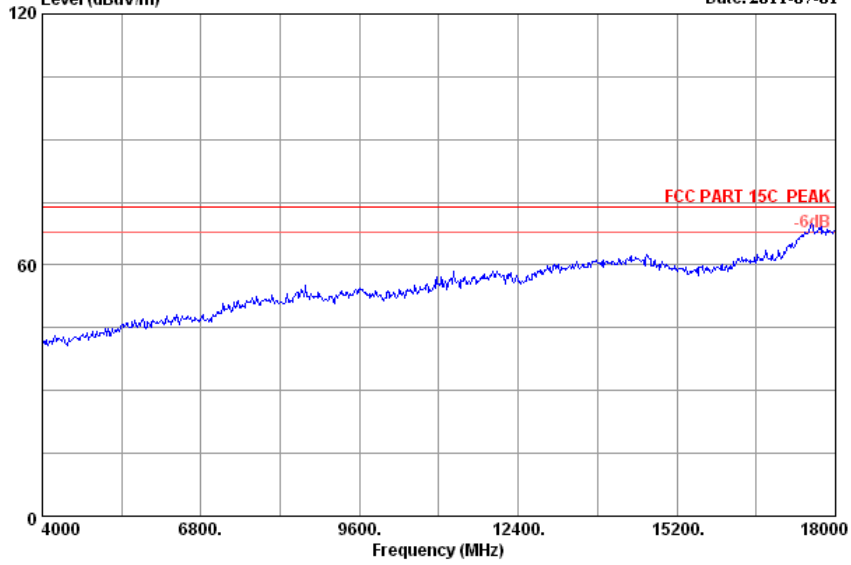
Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 33

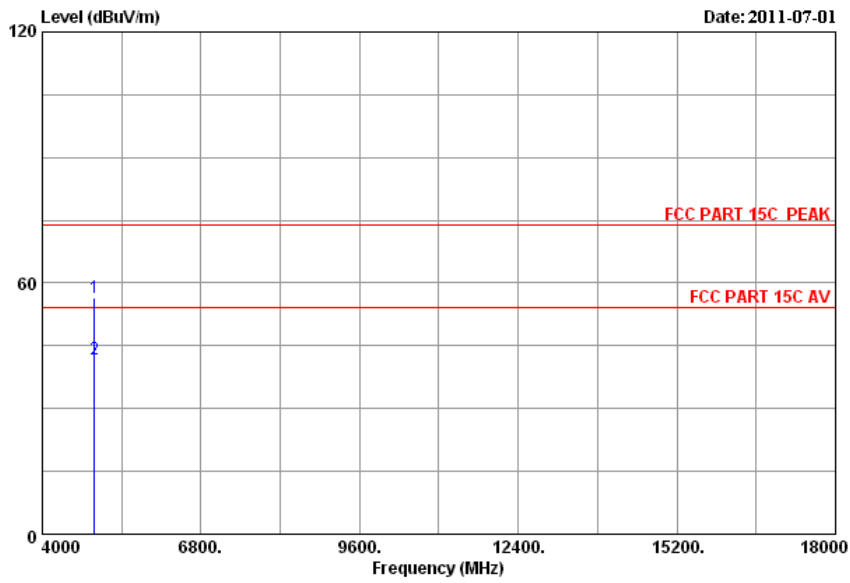
Level (dBuV/m)

Date: 2011-07-01



Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11g CH11 2462MHz Tx

Data: 34



Site no. : 3m Chamber Data no. : 34
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.49	10.76	34.98	46.35	56.62	74.00	17.38	Peak
2	4924.000	34.49	10.76	34.98	31.58	41.85	54.00	12.15	Average

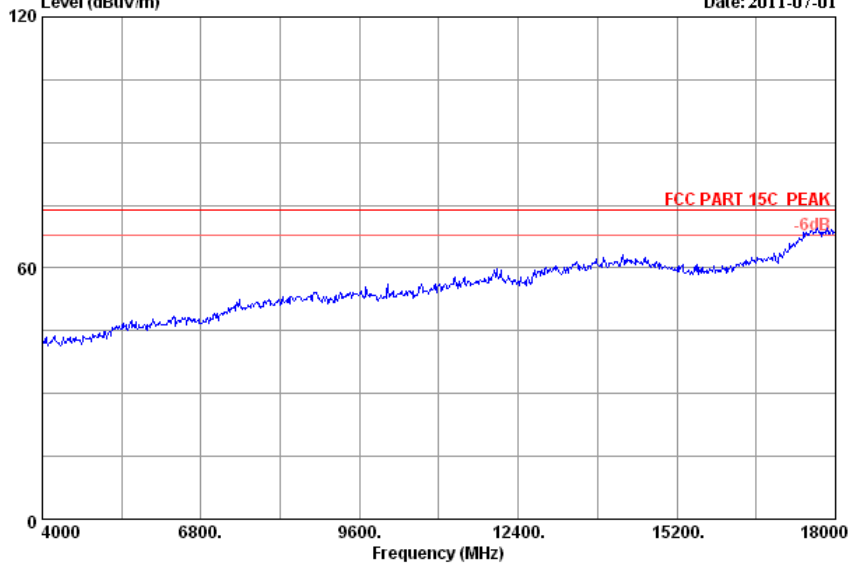
Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 35

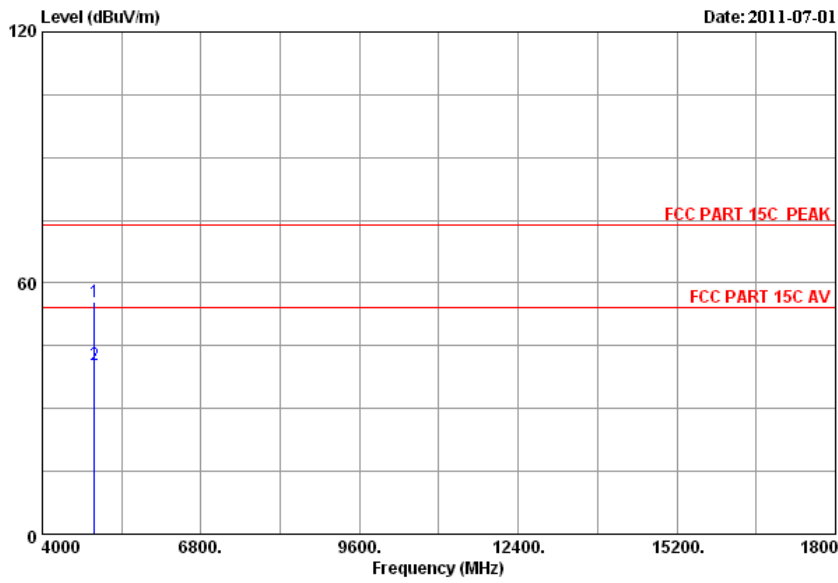
Level (dBuV/m)

Date: 2011-07-01



Site no. : 3m Chamber Data no. : 35
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11g CH11 2462MHz Tx

Data: 36

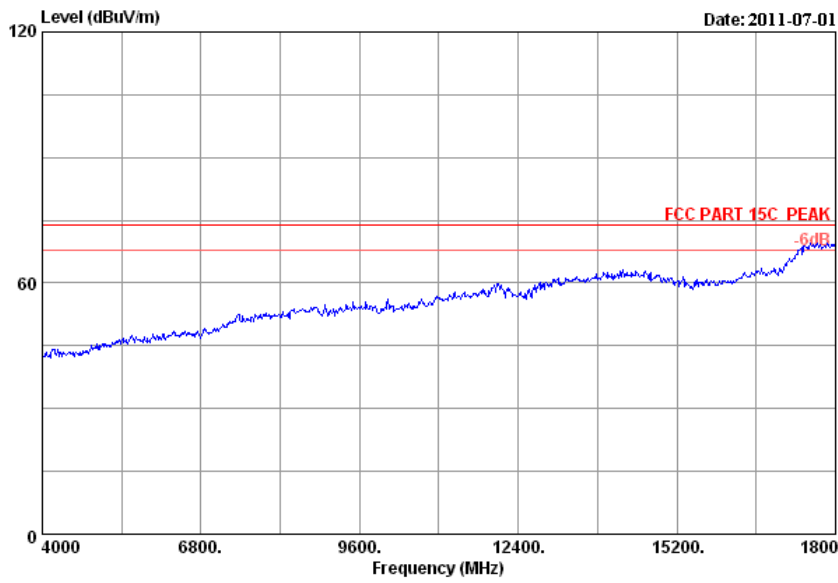


Site no. : 3m Chamber Data no. : 36
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	34.49	10.76	34.98	45.38	55.65	74.00	18.35	Peak
2	4924.000	34.49	10.76	34.98	30.07	40.34	54.00	13.66	Average

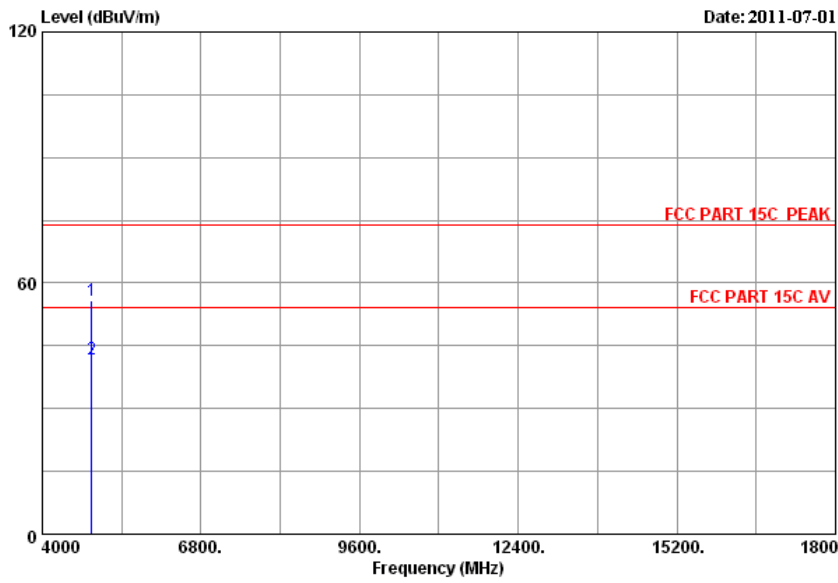
Remarks:
 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

Data: 37



Site no. : 3m Chamber Data no. : 37
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH6 2437MHz Tx

Data: 38



Site no. : 3m Chamber Data no. : 38
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH6 2437MHz Tx

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.41	10.69	35.03	45.87	55.94	74.00	18.06	Peak
2	4874.000	34.41	10.69	35.03	31.74	41.61	54.00	12.19	Average

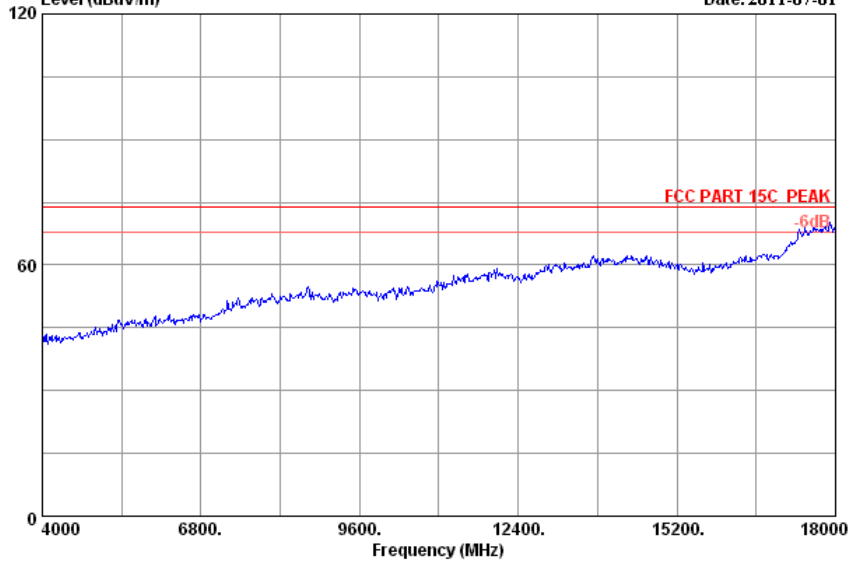
Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

Data: 39

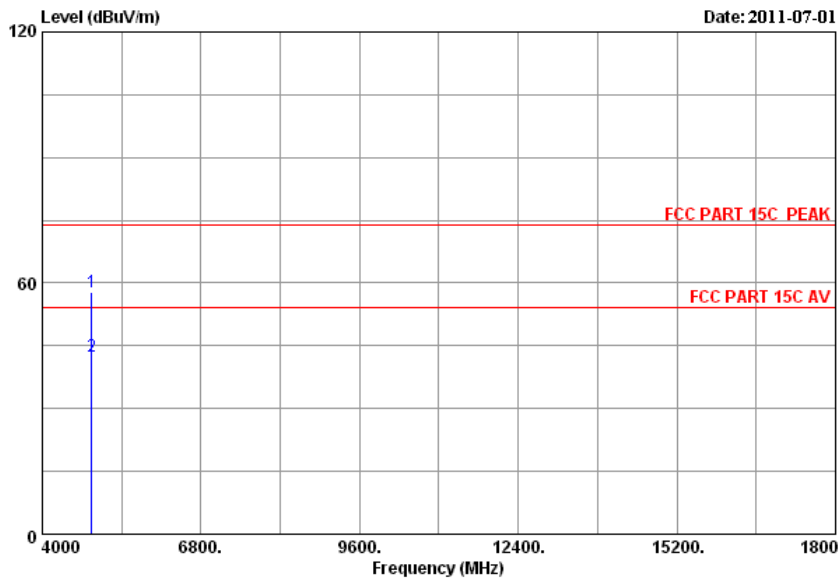
Level (dBUV/m)

Date: 2011-07-01



Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11g CH6 2437MHz Tx

Data: 40



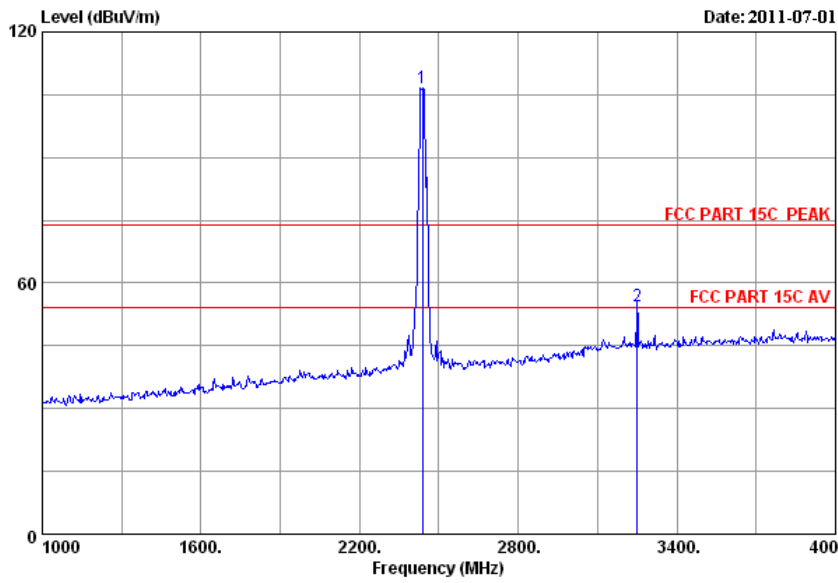
Site no. : 3m Chamber Data no. : 40
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH6 2437MHz Tx

	Ant.	Cable	Amp.	Emission					
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	34.41	10.69	35.03	47.63	57.70	74.00	16.30	Peak
2	4874.000	34.41	10.69	35.03	32.45	42.52	54.00	11.48	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 41



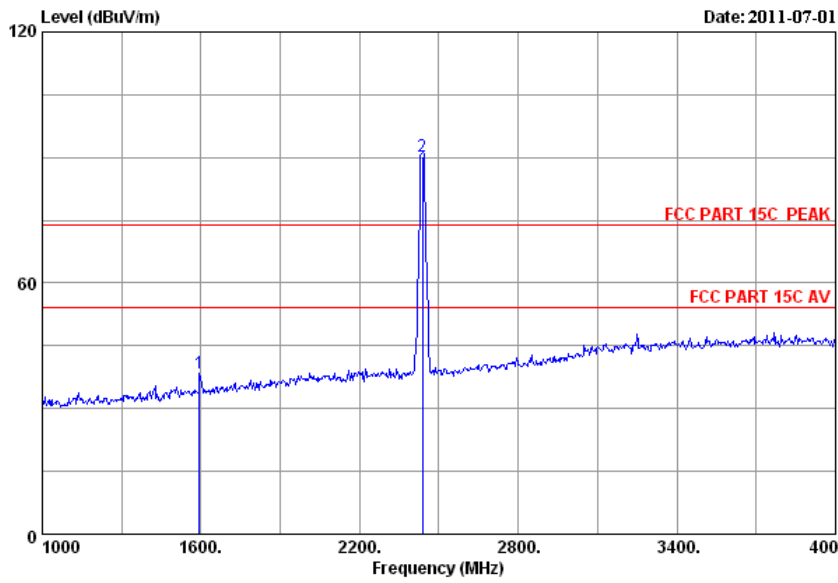
Site no. : 3m Chamber Data no. : 41
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH6 2437MHz Tx

	Ant.	Cable	Amp.	Emission					
	Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	2437.000	29.47	7.46	36.61	106.29	106.61	74.00	-32.61	Peak
2	3250.000	32.63	8.83	36.25	49.17	54.38	74.00	19.62	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 42



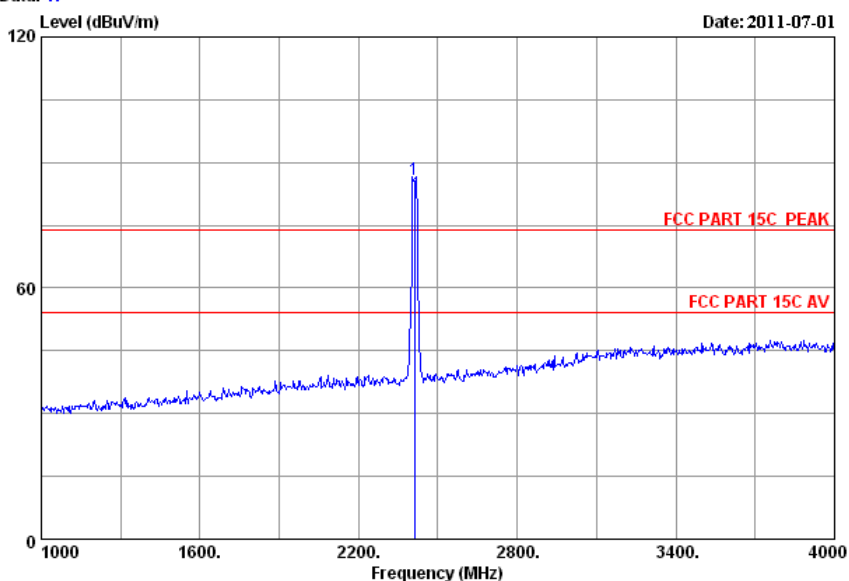
Site no. : 3m Chamber Data no. : 42
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH6 2437MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1594.000	26.96	5.88	36.95	42.39	38.28	74.00	35.72	Peak
2	2437.000	29.47	7.46	36.61	89.98	90.30	74.00	-16.30	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 47



```

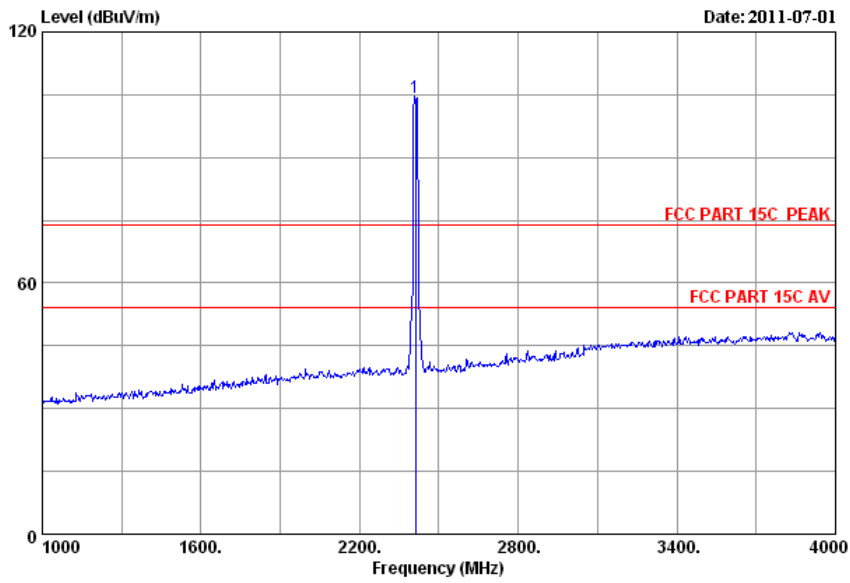
Site no.       : 3m Chamber             Data no. : 47
Dis. / Ant.   : 3m 3115(0911)         Ant. pol. : VERTICAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : 23*C/54%              Engineer  : Sunny-lu
EUT          : MLEARNPAD M/N:MLP-EL8
Power        : DC 5V From PC Input AC 120V/60Hz
Test mode    : 11g CH1 2412MHz Tx
    
```

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	29.45	7.43	36.62	85.55	85.81	74.00	-11.81	Peak

Remarks:

- Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
- The emission levels that are 20dB below the official limit are not reported.

Data: 48



Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH1 2412MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 2412.000	29.45	7.43	36.62	104.04	104.30	74.00	-30.30	Peak

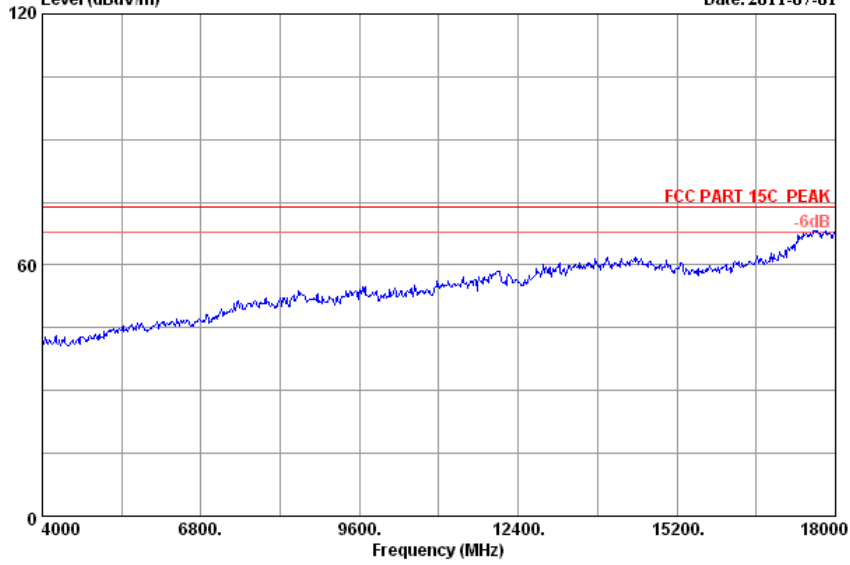
Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 49

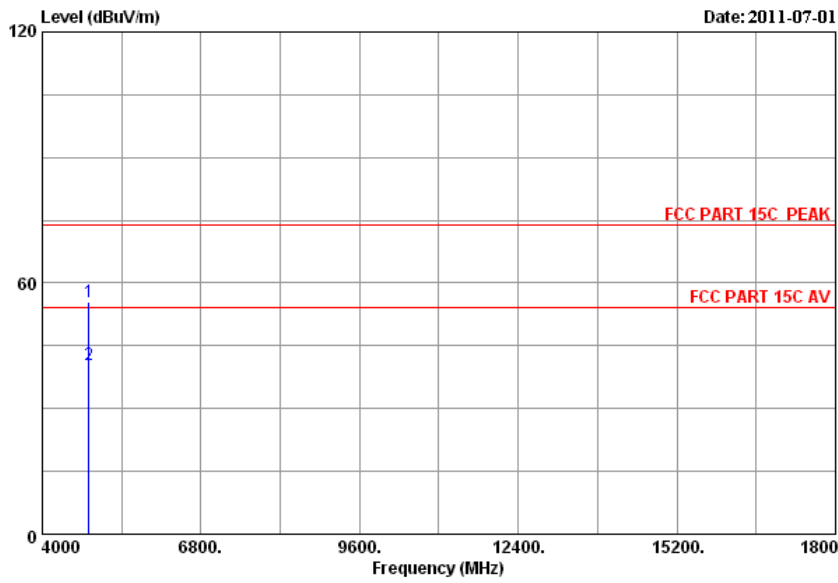
Level (dBuV/m)

Date: 2011-07-01



Site no. : 3m Chamber Data no. : 49
Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11g CH1 2412MHz Tx

Data: 50



Site no. : 3m Chamber Data no. : 50
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH1 2412MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 4824.000	34.32	10.64	35.08	45.69	55.57	74.00	18.43	Peak
2 4824.000	34.32	10.64	35.08	30.58	40.46	54.00	13.54	Average

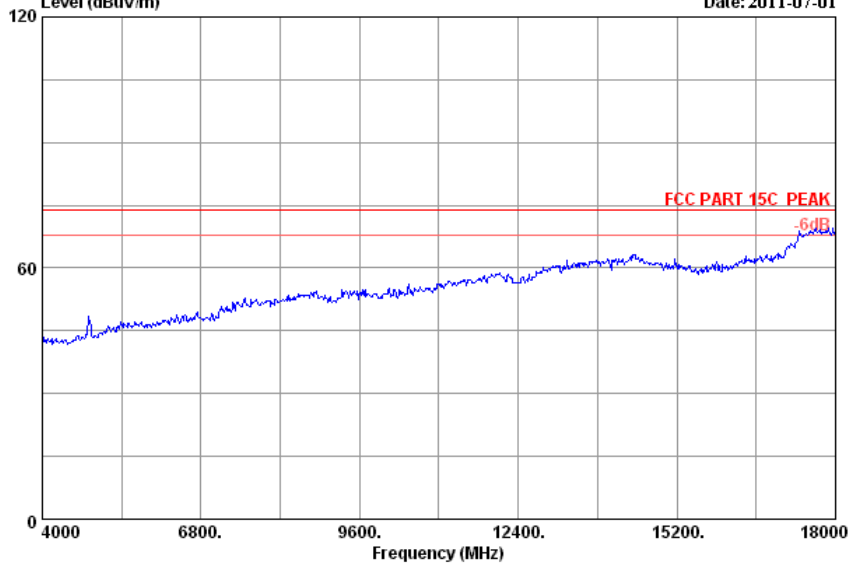
Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 51

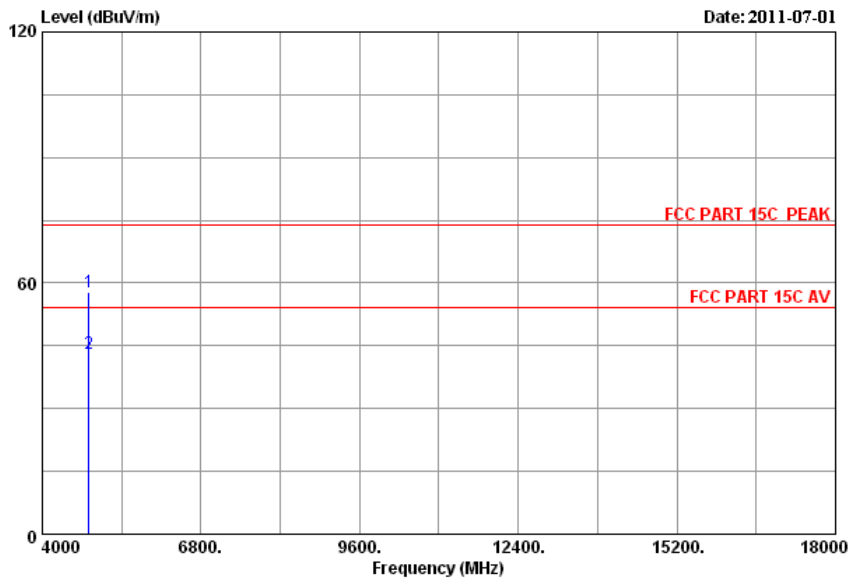
Level (dBuV/m)

Date: 2011-07-01



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer : Sunny-lu
EUT : MLEARNPAD M/N:MLP-EL8
Power : DC 5V From PC Input AC 120V/60Hz
Test mode : 11g CH1 2412MHz Tx

Data: 52



Site no. : 3m Chamber Data no. : 52
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH1 2412MHz Tx

	Ant.	Cable	Amp.	Emission				
Freq.	Factor	loss	Factor	Reading	Level	Limits	Margin	Remark
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1 4824.000	34.32	10.64	35.08	47.97	57.85	74.00	16.15	Peak
2 4824.000	34.32	10.64	35.08	33.18	43.06	54.00	10.94	Average

Remarks:
 1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

8. Band Edge Compliance

8.1. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

8.2. Test Block Diagram

8.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved 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 test.

Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of emissions

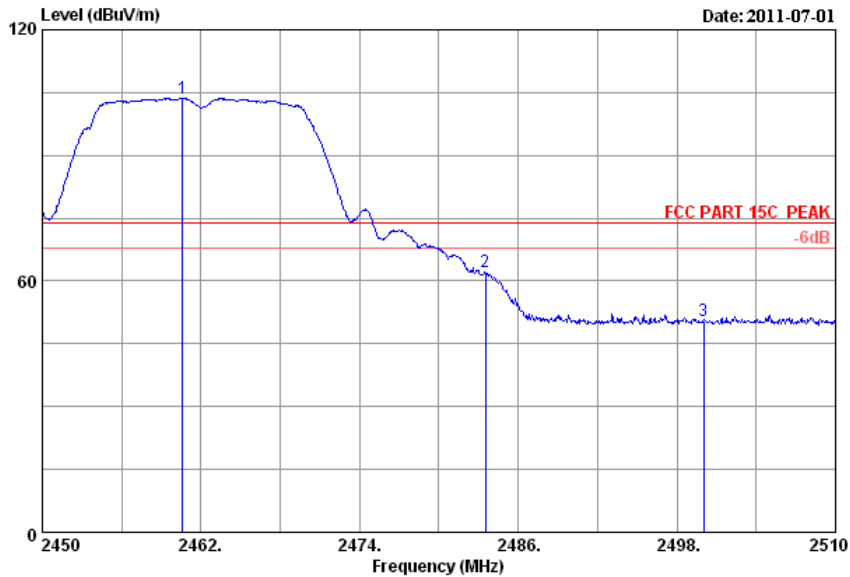
(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

8.4. Test Result

Pass (The testing data was attached in the next pages.)

Data: 65



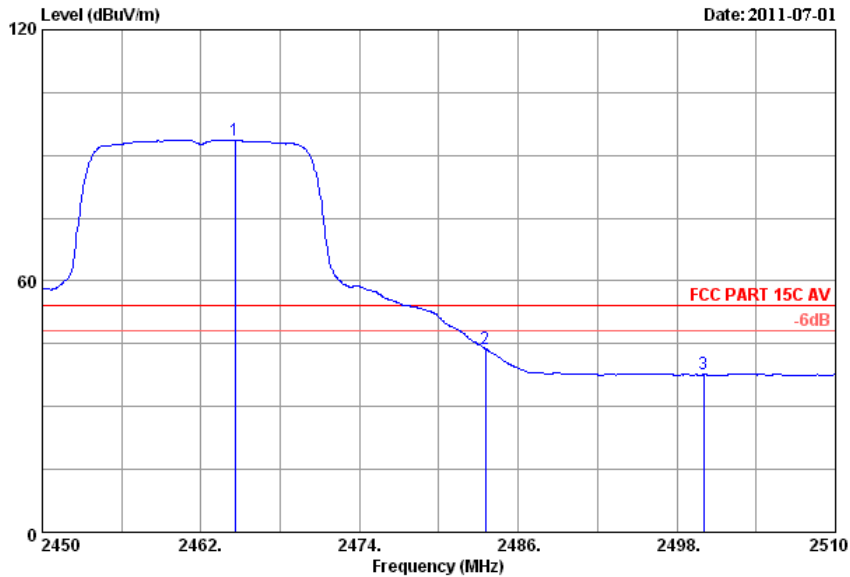
Site no. : 3m Chamber Data no. : 65
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dE)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dE)	Remark
1	2460.620	29.48	7.54	36.61	103.19	103.60	74.00	-29.60	Peak
2	2483.500	29.49	7.58	36.60	61.58	62.05	74.00	11.95	Peak
3	2500.000	29.50	7.62	36.60	50.12	50.64	74.00	23.36	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 66



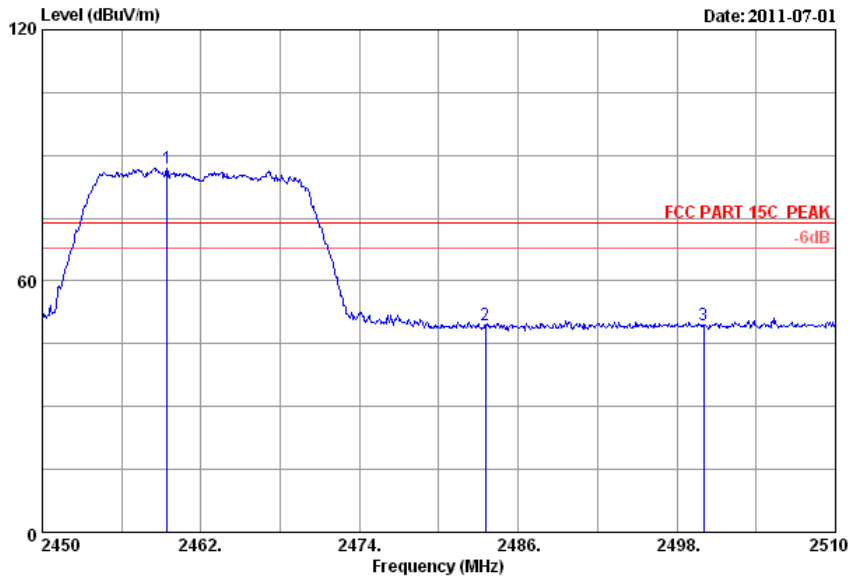
Site no. : 3m Chamber Data no. : 66
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.580	29.48	7.54	36.61	93.33	93.74	54.00	-39.74	Average
2	2483.500	29.49	7.58	36.60	43.38	43.85	54.00	10.15	Average
3	2500.000	29.50	7.62	36.60	37.10	37.62	54.00	16.38	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 67



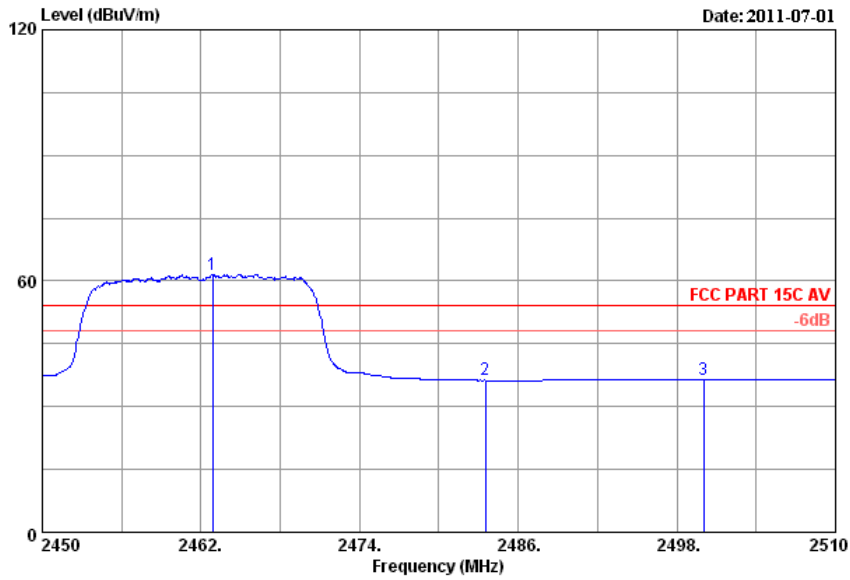
Site no. : 3m Chamber Data no. : 67
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.420	29.48	7.54	36.61	86.43	86.84	74.00	-12.84	Peak
2	2483.500	29.49	7.58	36.60	48.88	49.35	74.00	24.65	Peak
3	2500.000	29.50	7.62	36.60	49.02	49.54	74.00	24.46	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 68



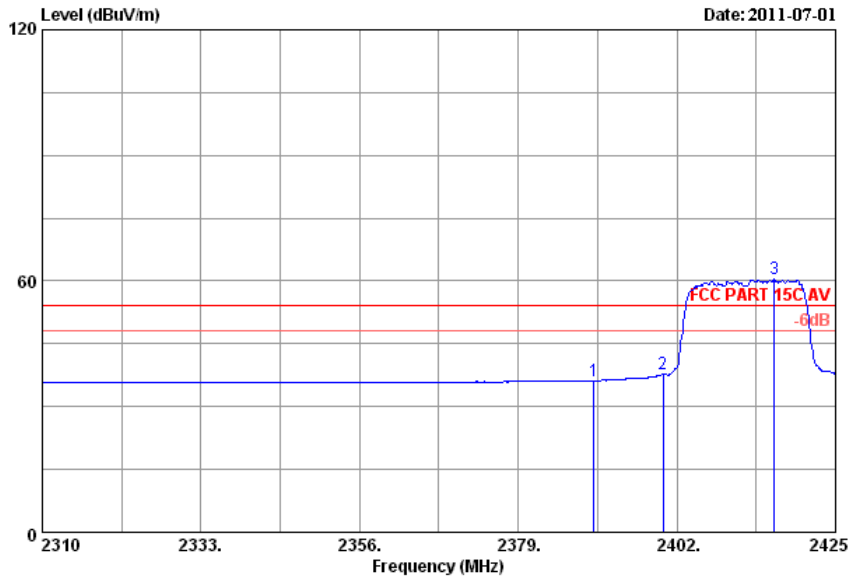
Site no. : 3m Chamber Data no. : 68
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dE)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dE)	Remark
1	2462.900	29.48	7.54	36.61	61.10	61.51	54.00	-7.51	Average
2	2483.500	29.49	7.58	36.60	35.80	36.27	54.00	17.73	Average
3	2500.000	29.50	7.62	36.60	35.85	36.37	54.00	17.63	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 69



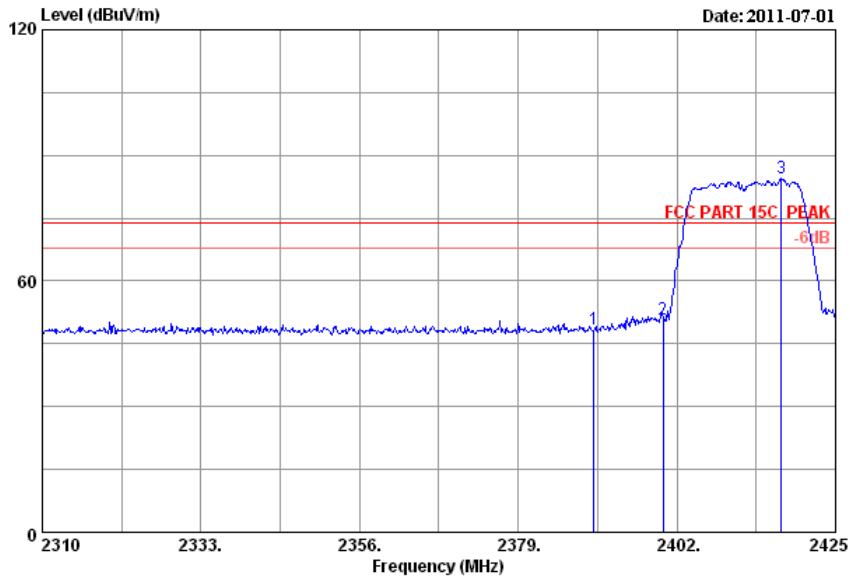
Site no. : 3m Chamber Data no. : 69
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH1 2412MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.44	7.39	36.62	36.00	36.21	54.00	17.79	Average
2	2400.000	29.44	7.43	36.62	37.49	37.74	54.00	16.26	Average
3	2416.145	29.45	7.43	36.61	60.12	60.39	54.00	-6.39	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 70



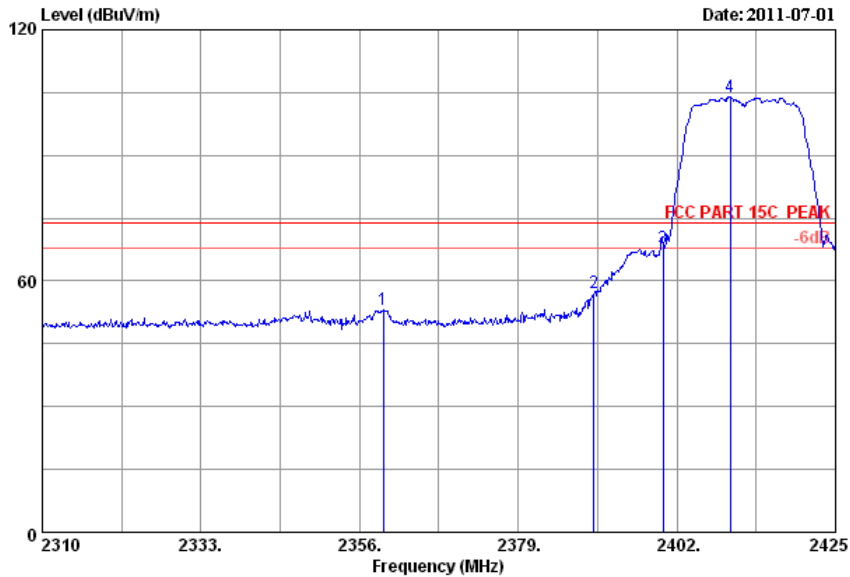
Site no. : 3m Chamber Data no. : 70
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH1 2412MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dE)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dE)	Remark
1	2390.000	29.44	7.39	36.62	48.24	48.45	74.00	25.55	Peak
2	2400.000	29.44	7.43	36.62	50.72	50.97	74.00	23.03	Peak
3	2417.180	29.45	7.43	36.61	84.18	84.45	74.00	-10.45	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 71



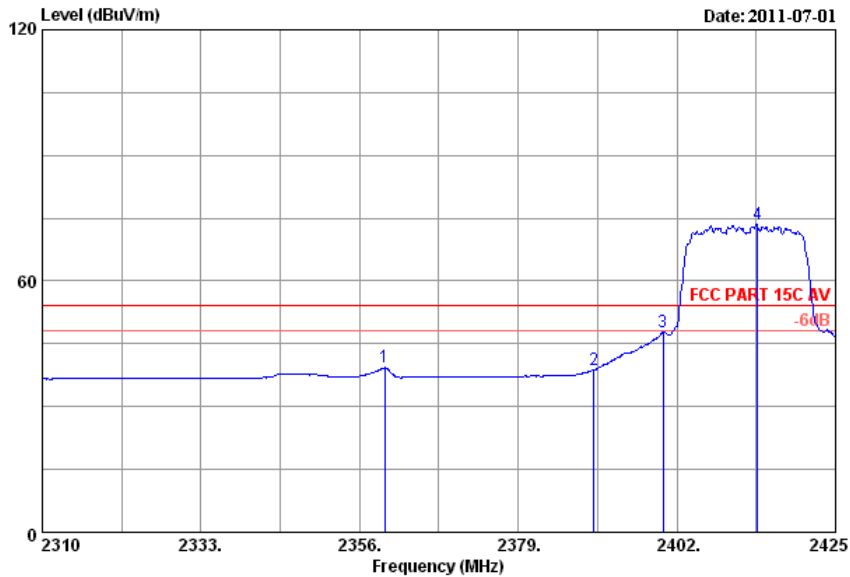
Site no. : 3m Chamber Data no. : 71
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH1 2412MHz Tx

	Ant. Freq. (MHz)	Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2359.450	29.42	7.35	36.63	53.01	53.15	74.00	20.85	Peak
2	2390.000	29.44	7.39	36.62	56.94	57.15	74.00	16.85	Peak
3	2400.000	29.44	7.43	36.62	67.48	67.73	74.00	6.27	Peak
4	2409.705	29.45	7.43	36.62	103.59	103.85	74.00	-29.85	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 72



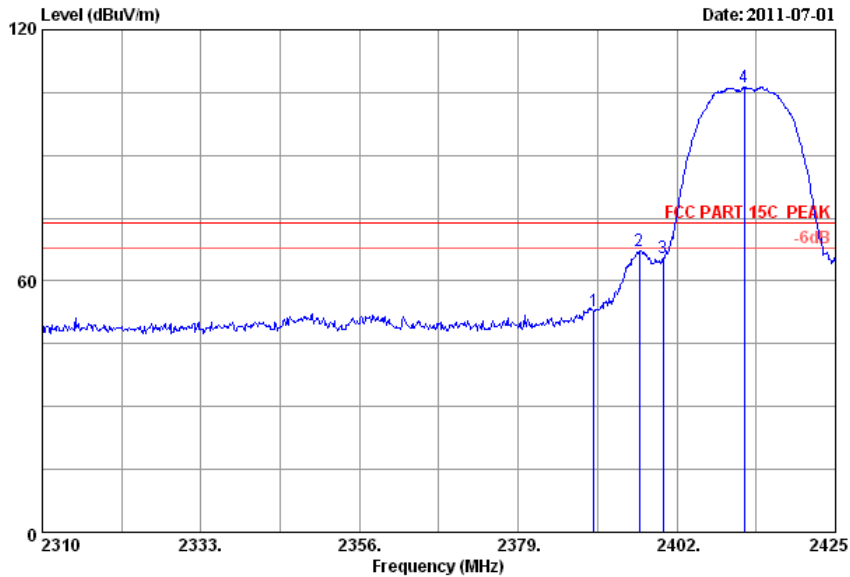
Site no. : 3m Chamber Data no. : 72
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11g CH1 2412MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2359.680	29.42	7.35	36.63	39.16	39.30	54.00	14.70	Average
2	2390.000	29.44	7.39	36.62	38.63	38.84	54.00	15.16	Average
3	2400.000	29.44	7.43	36.62	47.65	47.90	54.00	6.10	Average
4	2413.730	29.45	7.43	36.62	73.22	73.48	54.00	-19.48	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 73



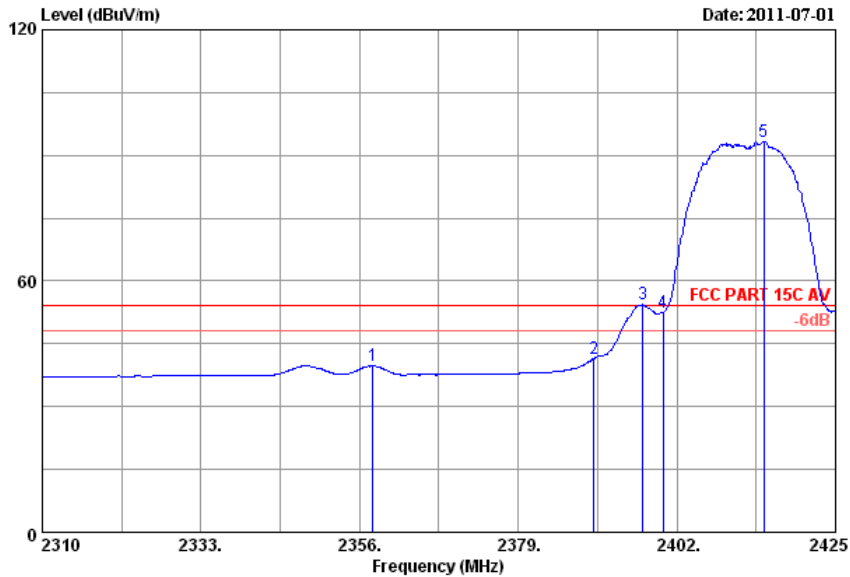
Site no. : 3m Chamber Data no. : 73
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH1 2412MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	29.44	7.39	36.62	52.75	52.96	74.00	21.04	Peak
2	2396.595	29.44	7.39	36.62	67.08	67.29	74.00	6.71	Peak
3	2400.000	29.44	7.43	36.62	65.20	65.45	74.00	8.55	Peak
4	2411.775	29.45	7.43	36.62	106.05	106.31	74.00	-32.31	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 74



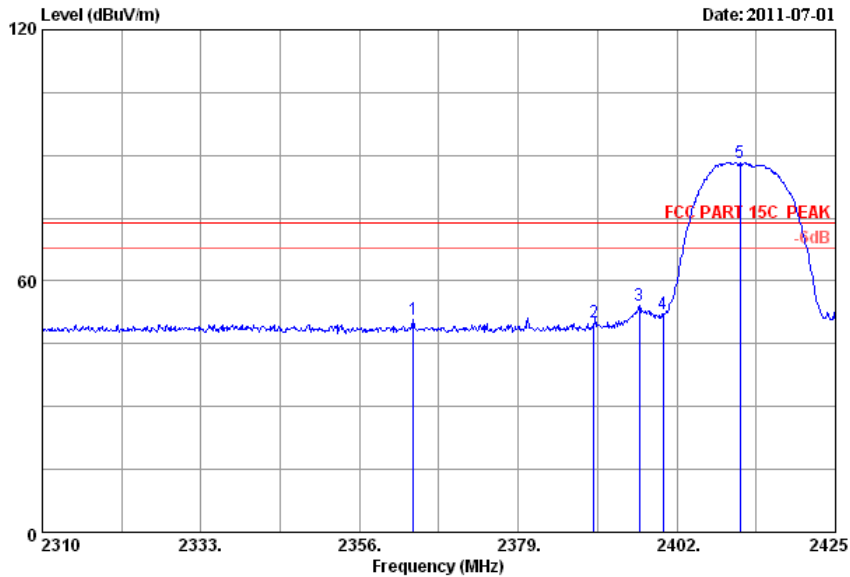
Site no. : 3m Chamber Data no. : 74
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH1 2412MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2357.955	29.42	7.31	36.63	39.54	39.64	54.00	14.36	Average
2	2390.000	29.44	7.39	36.62	41.36	41.57	54.00	12.43	Average
3	2397.055	29.44	7.39	36.62	54.12	54.33	54.00	-0.33	Average
4	2400.000	29.44	7.43	36.62	52.36	52.61	54.00	1.39	Average
5	2414.650	29.45	7.43	36.62	93.06	93.32	54.00	-39.32	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 75



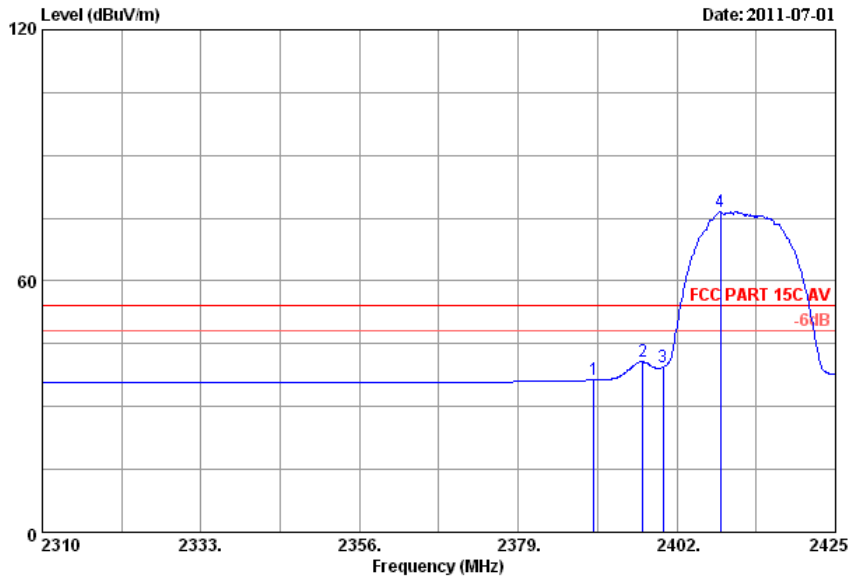
Site no. : 3m Chamber Data no. : 75
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH1 2412MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2363.820	29.42	7.35	36.63	50.60	50.74	74.00	23.26	Peak
2	2390.000	29.44	7.39	36.62	49.97	50.18	74.00	23.82	Peak
3	2396.595	29.44	7.39	36.62	53.81	54.02	74.00	19.98	Peak
4	2400.000	29.44	7.43	36.62	51.99	52.24	74.00	21.76	Peak
5	2411.200	29.45	7.43	36.62	88.11	88.37	74.00	-14.37	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 76



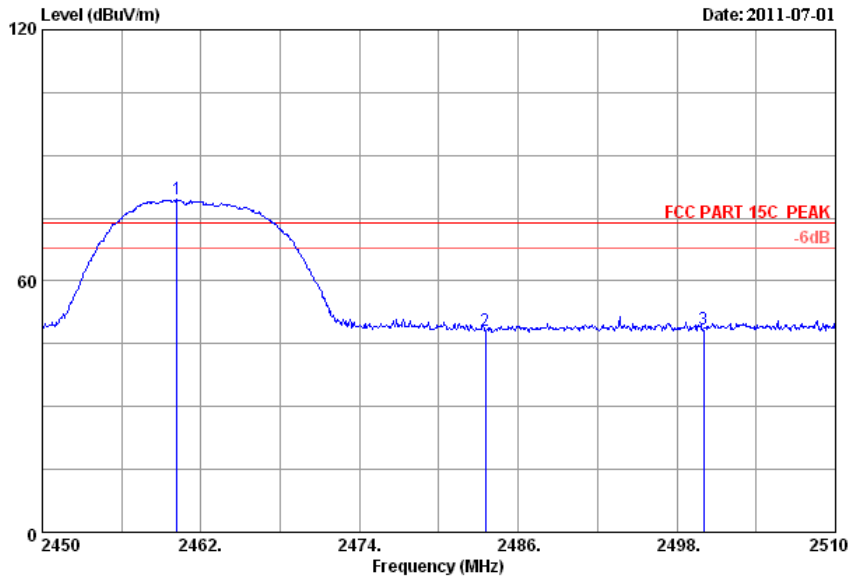
Site no.	: 3m Chamber	Data no. :	76
Dis. / Ant.	: 3m 3115(0911)	Ant. pol. :	VERTICAL
Limit	: FCC PART 15C AV		
Env. / Ins.	: 23°C/54%	Engineer :	Sunny-lu
EUT	: MLEARNPAD M/N:MLP-EL8		
Power	: DC 5V From PC Input AC 120V/60Hz		
Test mode	: 11b CH1 2412MHz Tx		

	Ant.	Cable	Amp.	Emission					Remark
1	Freq.	loss	Factor	Reading	Level	Limits	Margin		
2	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	2390.000	29.44	7.39	36.62	36.16	54.00	17.63	Average	
2	2397.055	29.44	7.39	36.62	40.47	54.00	13.32	Average	
3	2400.000	29.44	7.43	36.62	39.27	54.00	14.48	Average	
4	2408.325	29.45	7.43	36.62	76.32	54.00	-22.58	Average	

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 77



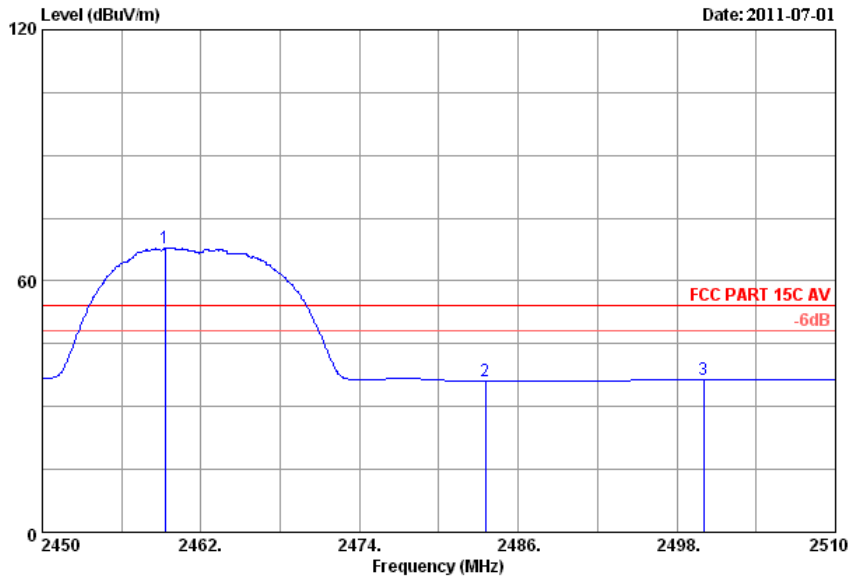
Site no. : 3m Chamber Data no. : 77
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dE)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dE)	Remark
1	2460.200	29.48	7.54	36.61	79.01	79.42	74.00	-5.42	Peak
2	2483.500	29.49	7.58	36.60	47.54	48.01	74.00	25.99	Peak
3	2500.000	29.50	7.62	36.60	47.98	48.50	74.00	25.50	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Data: 78

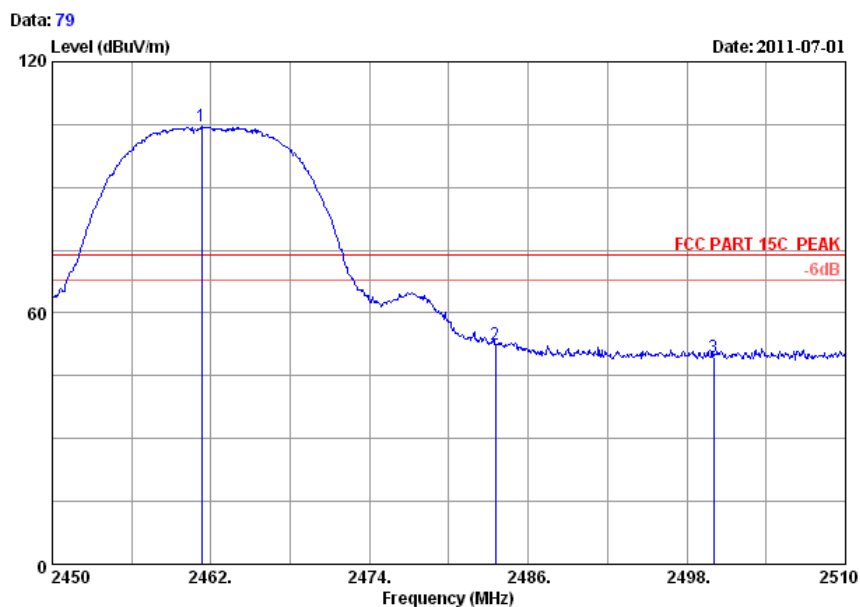


Site no. : 3m Chamber Data no. : 78
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.300	29.48	7.54	36.61	67.53	67.94	54.00	-13.94	Average
2	2483.500	29.49	7.58	36.60	35.67	36.14	54.00	17.86	Average
3	2500.000	29.50	7.62	36.60	35.77	36.29	54.00	17.71	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

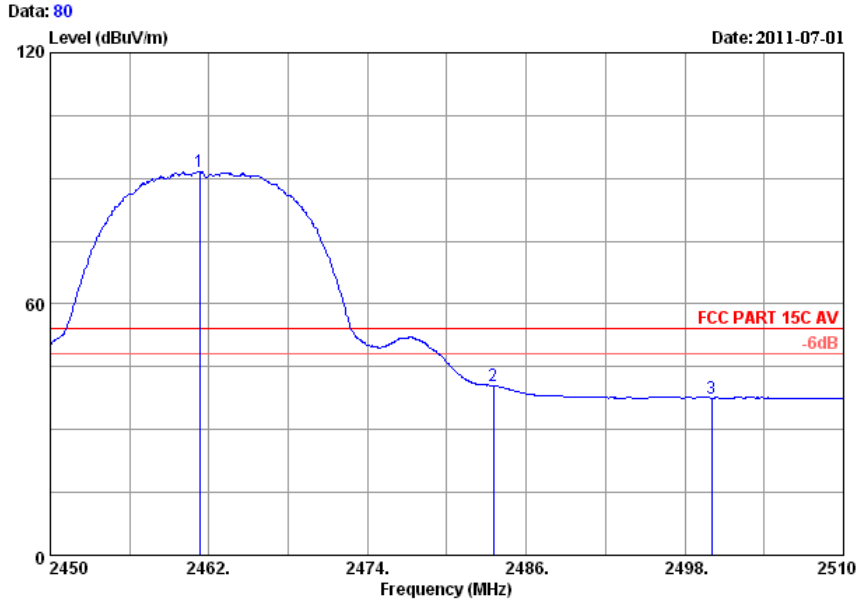


Site no. : 3m Chamber Data no. : 79
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dE)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dE)	Remark
1	2461.280	29.48	7.54	36.61	104.06	104.47	74.00	-30.47	Peak
2	2483.500	29.49	7.58	36.60	51.90	52.37	74.00	21.63	Peak
3	2500.000	29.50	7.62	36.60	49.05	49.57	74.00	24.43	Peak

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 80
 Dis. / Ant. : 3m 3115(0911) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Sunny-lu
 EUT : MLEARNPAD M/N:MLP-EL8
 Power : DC 5V From PC Input AC 120V/60Hz
 Test mode : 11b CH11 2462MHz Tx

	Ant. Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dE)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dE)	Remark
1	2461.280	29.48	7.54	36.61	91.19	91.60	54.00	-37.60	Average
2	2483.500	29.49	7.58	36.60	40.07	40.54	54.00	13.46	Average
3	2500.000	29.50	7.62	36.60	37.07	37.59	54.00	16.41	Average

Remarks:

1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

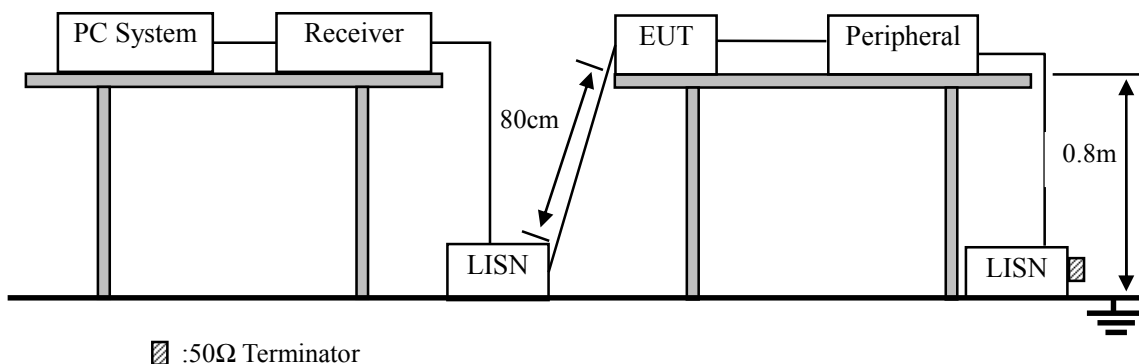
9. Power Line Conducted Emissions

9.1. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

- Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

9.2. Block Diagram of Test Setup



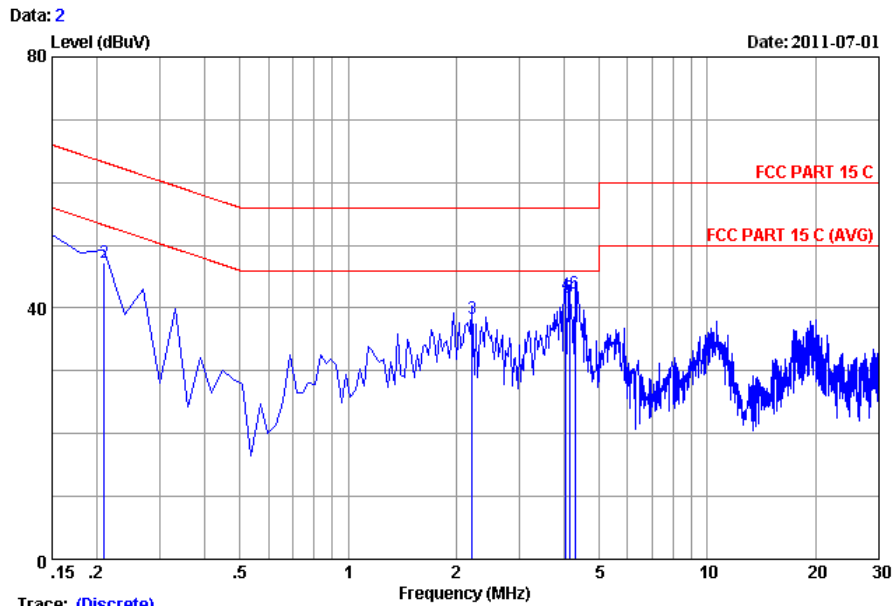
9.3. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT was charged from PC's USB port which connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS10) is set at 10kHz.

The frequency range from 150kHz to 30MHz is checked.

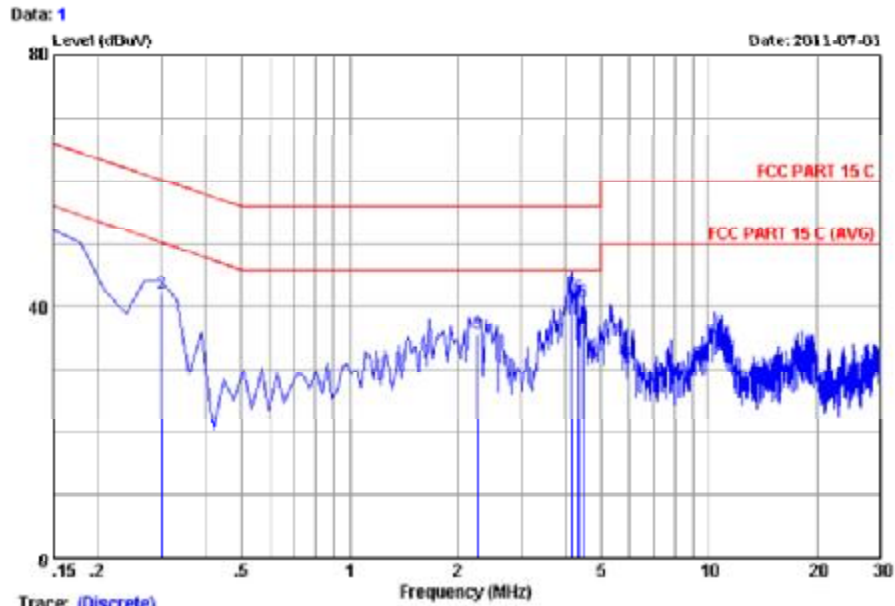
9.4. Test Result



Trace: (Discrete)
 Site no :1#conduction Data No :2
 Dis./Ant. :** 2011 ESH2-25 LINE
 Limit :FCC PART 15 C
 Env./Ins. :29.5*C/55% Engineer :Leo-Li
 EUT :MLEARNPAD M/N:MLP-EL8
 Power Rating :DC 5V From PC Input AC 120V/60Hz
 Test Mode :Tx Mode

No	Freq (MHz)	LISM Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15000	0.23	9.88	36.58	46.69	66.00	19.31	QP
2	0.20970	0.22	9.88	37.09	47.19	63.22	16.03	QP
3	2.210	0.25	9.91	28.23	38.39	56.00	17.61	QP
4	4.031	0.27	9.93	31.88	42.08	56.00	13.92	QP
5	4.120	0.27	9.93	31.44	41.64	56.00	14.36	QP
6	4.269	0.27	9.94	32.23	42.44	56.00	13.56	QP

Remarks: 1.Emission Level=LISM Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2.If the average limit is met when using a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



Trace (Discrete)
 Site no :1#conduction Data No :1
 Dis./Ant. :** 2011 ESH2-25 NEUTRAL
 Limit :FCC PART 15 C
 Env./Ins. :29.5°C/55% Engineer :Leo-Li
 EUT :MLEARNPAD E/N:MLP-EL8
 Power Rating :DC 5V From PC Input AC 120V/60Hz
 Test Mode :Tx Mode

No	Freq [MHz]	LISM Factor [dB]	Cable Loss [dB]	Reading [dBuV]	Emission Level [dBuV]	Limits [dBuV]	Margin [dB]	Remark
1	0.15000	0.21	9.88	39.01	49.10	66.00	16.90	QP
2	0.20925	0.21	9.88	32.01	42.10	60.26	18.16	QP
3	2.269	0.26	9.92	25.45	35.63	56.00	20.37	QP
4	4.150	0.28	9.93	32.69	42.90	56.00	13.10	QP
5	4.329	0.28	9.94	31.21	41.43	56.00	14.57	QP
6	4.478	0.28	9.94	30.47	40.69	56.00	15.31	QP

Remarks: 1.Emission Level=LISM Factor+Cable Loss(Include 10dB pulse limit)+Reading.
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

10. Antenna Requirements

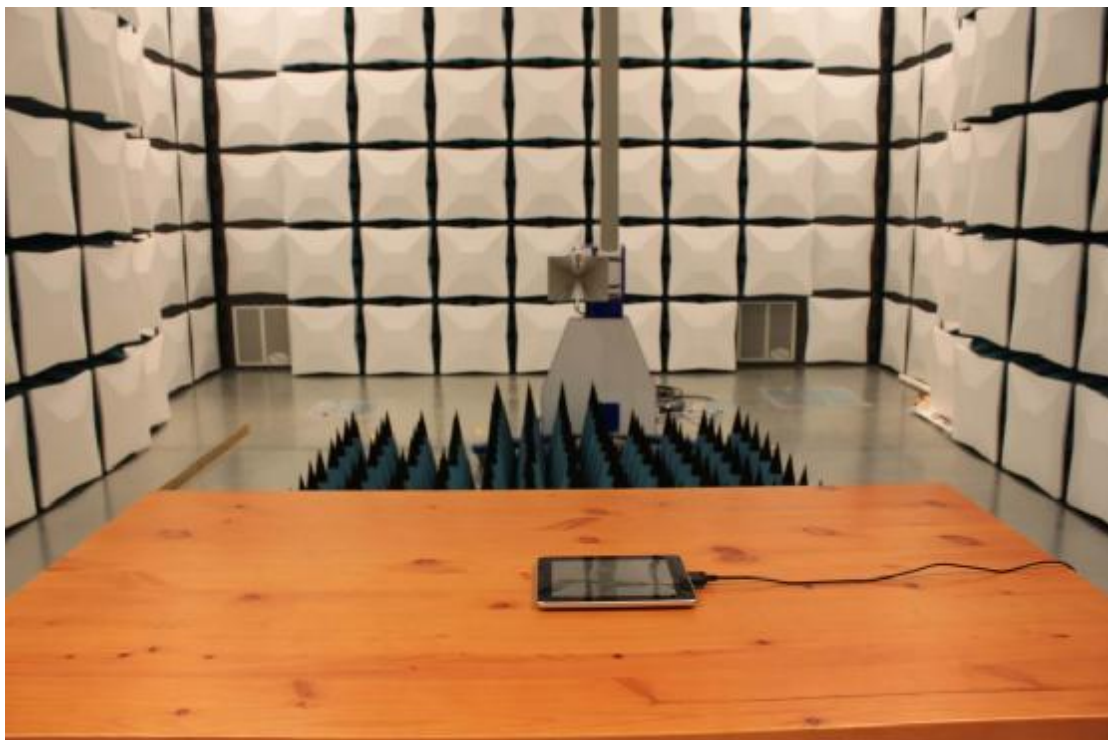
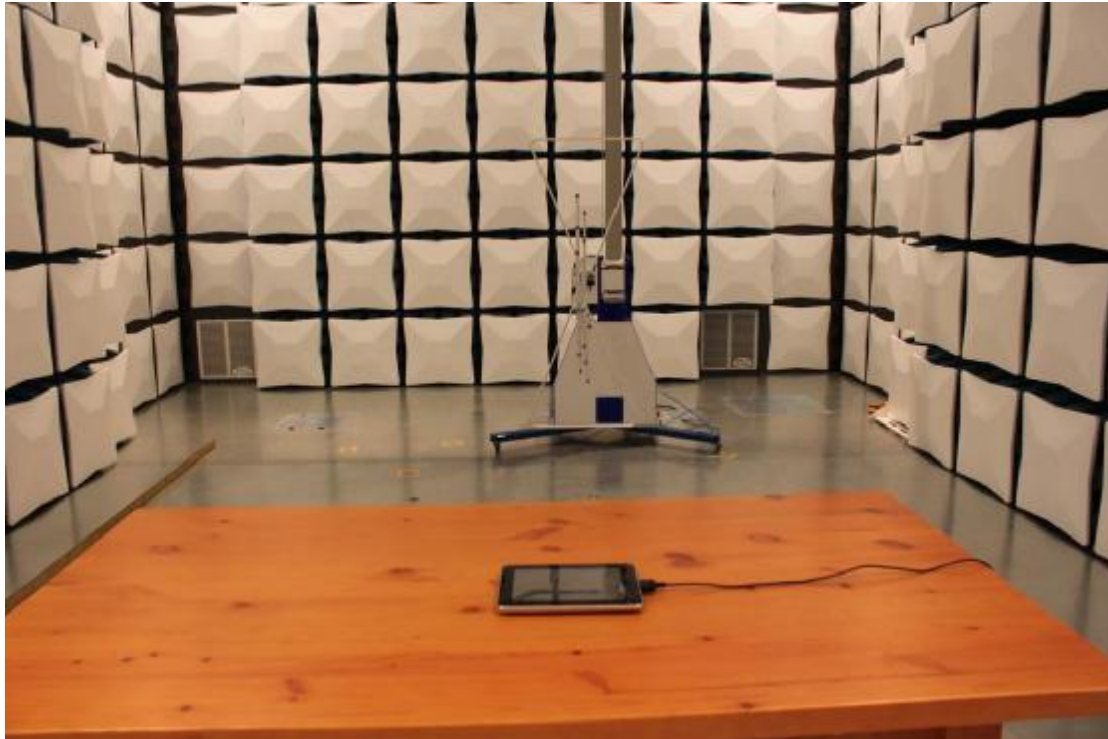
10.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. Result

The antennas used for this product are integral Patch Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 0dBi.

11. Test setup photo

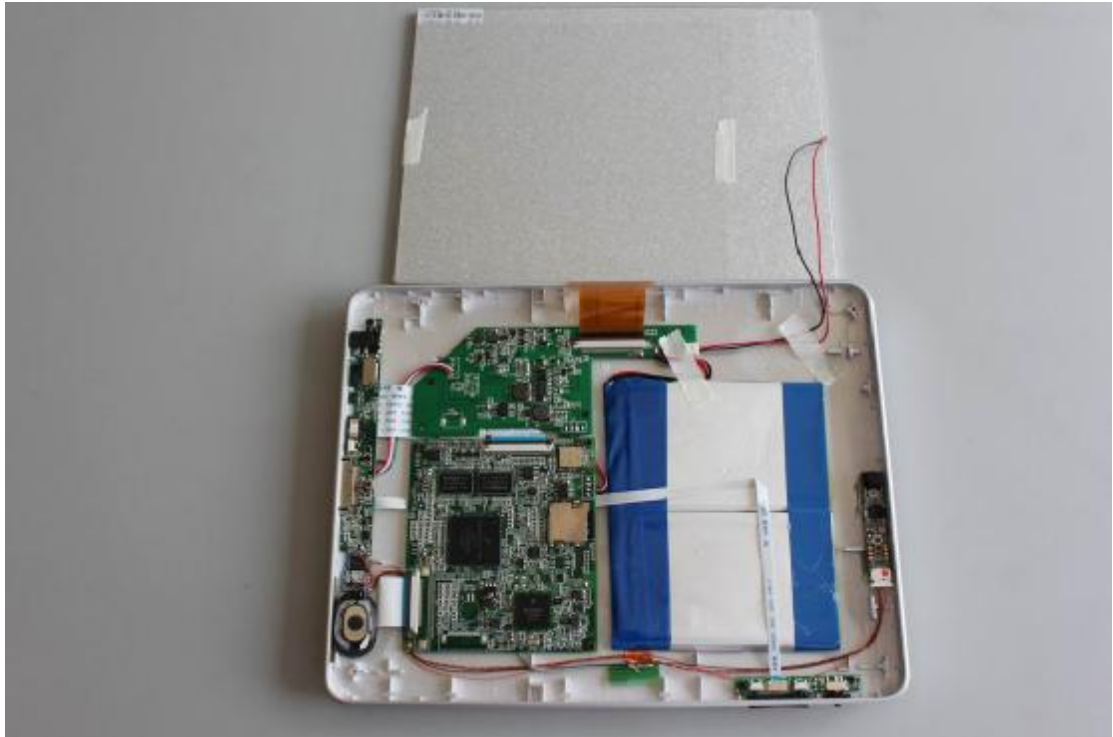


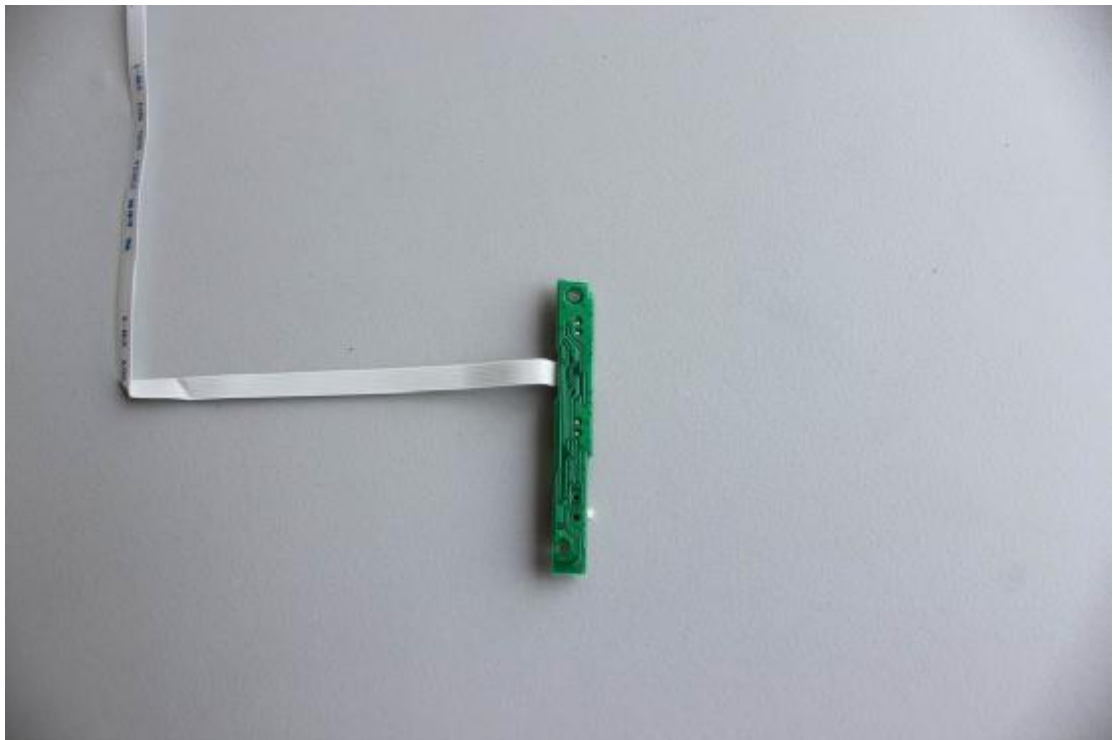
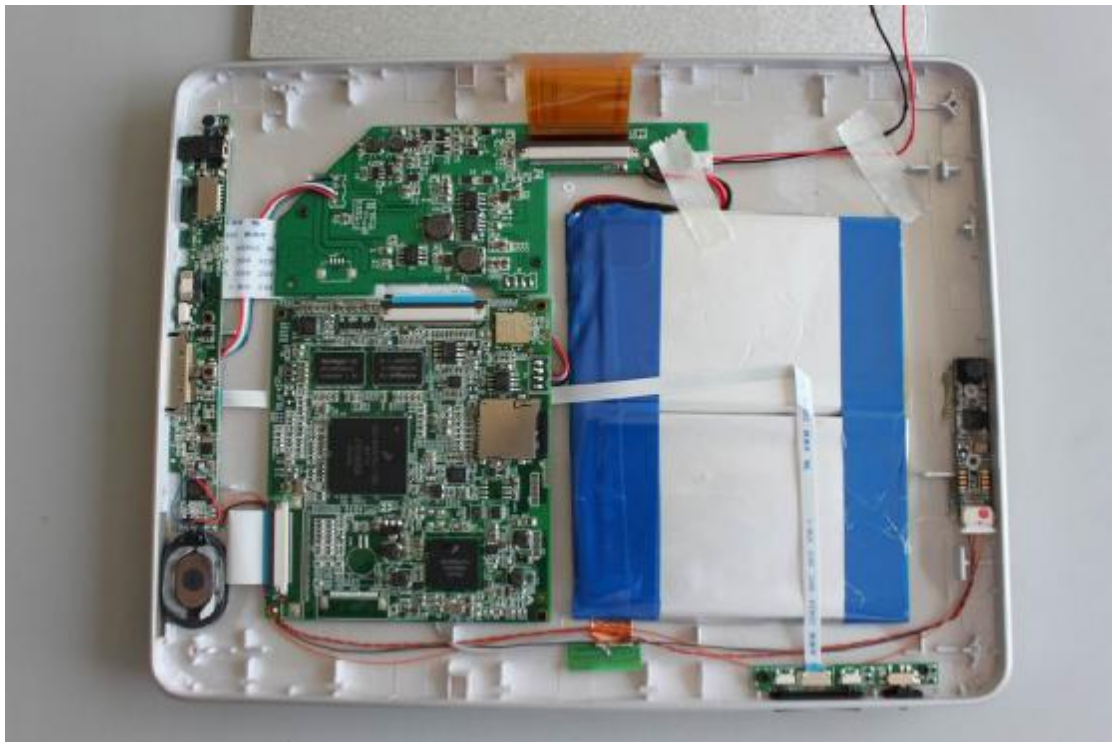


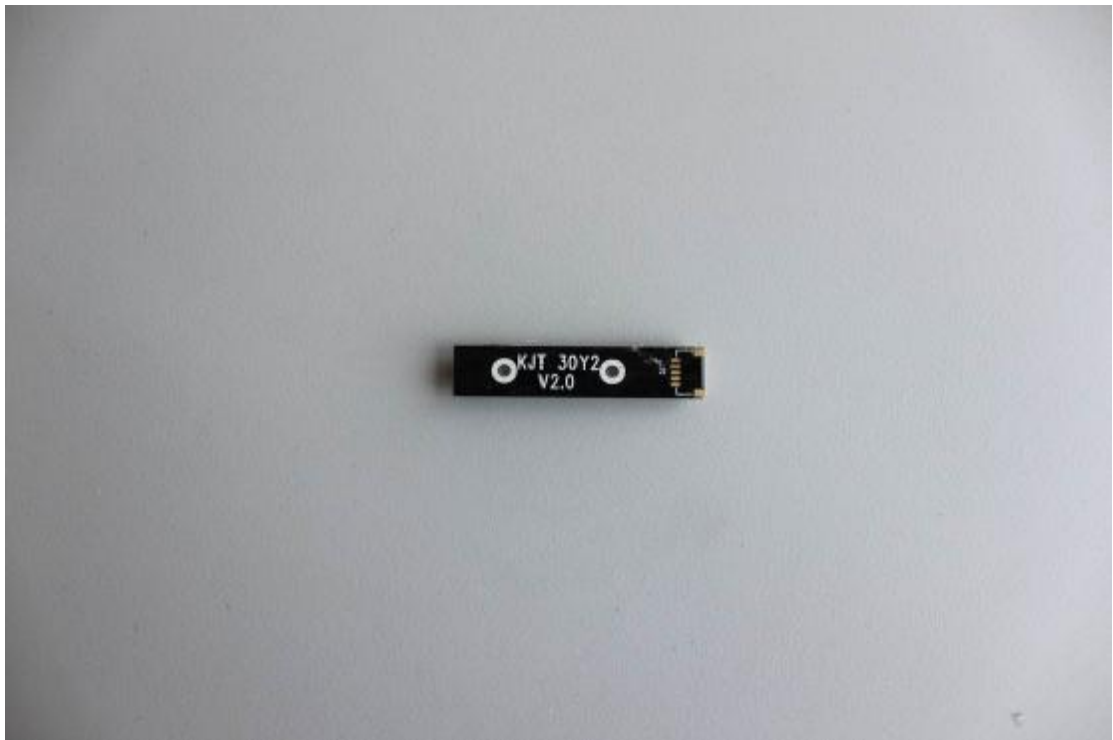
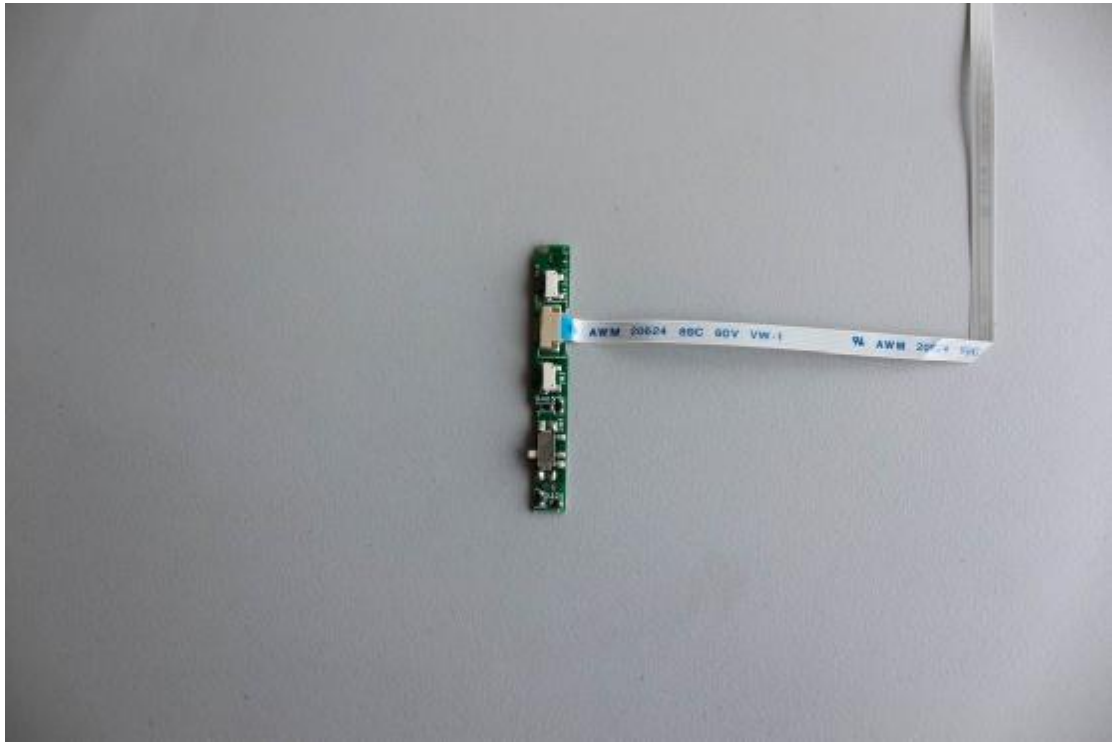
12. Photos of EUT

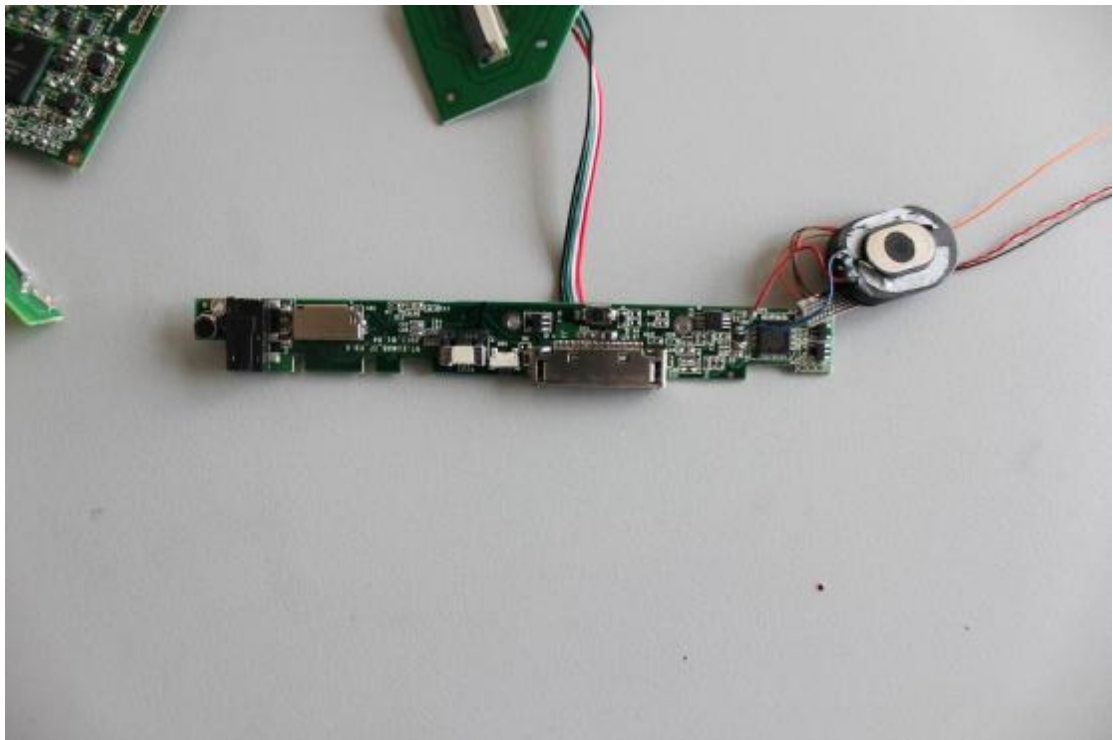
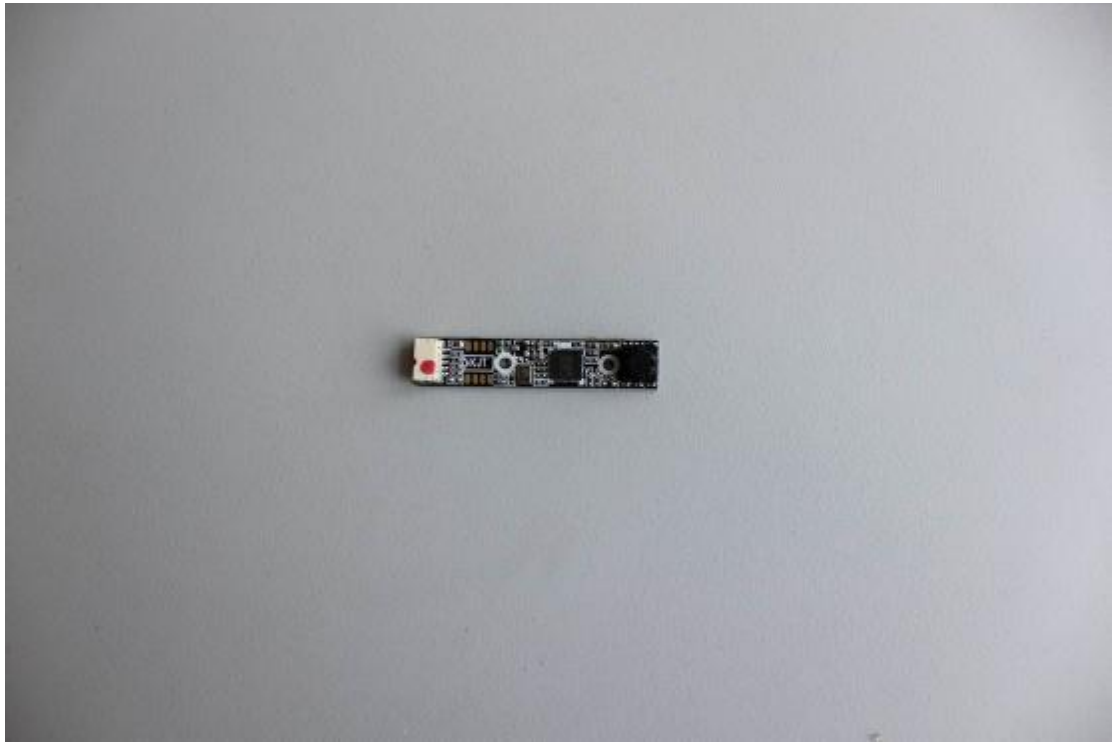


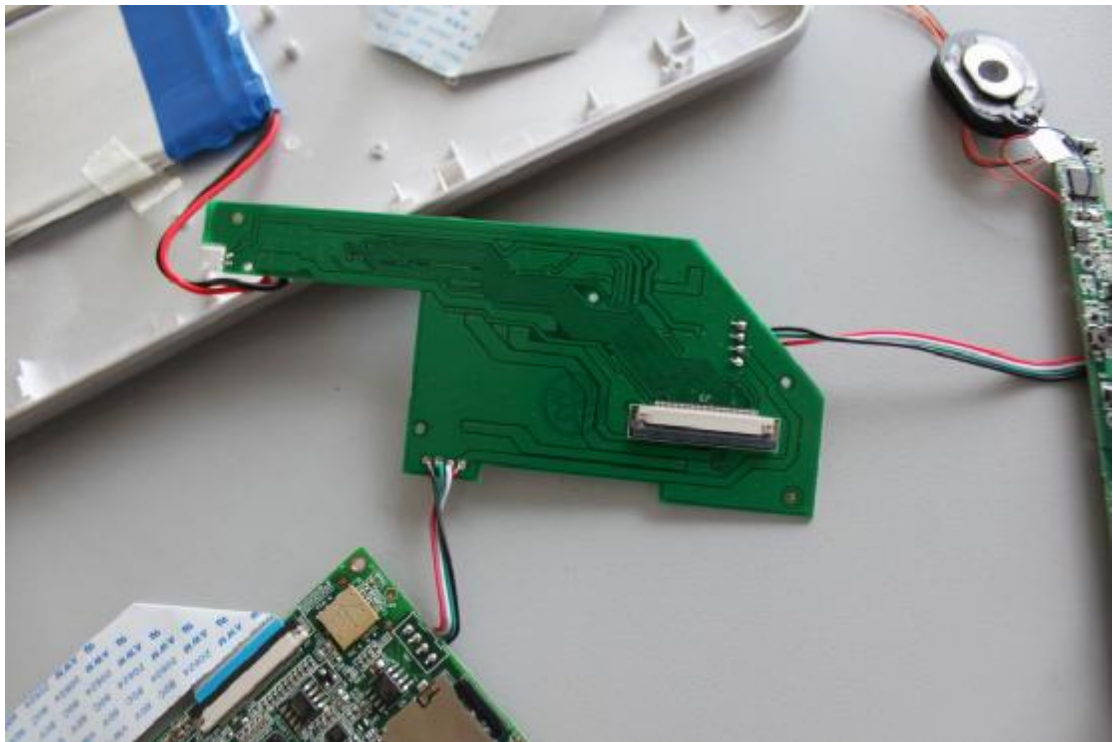


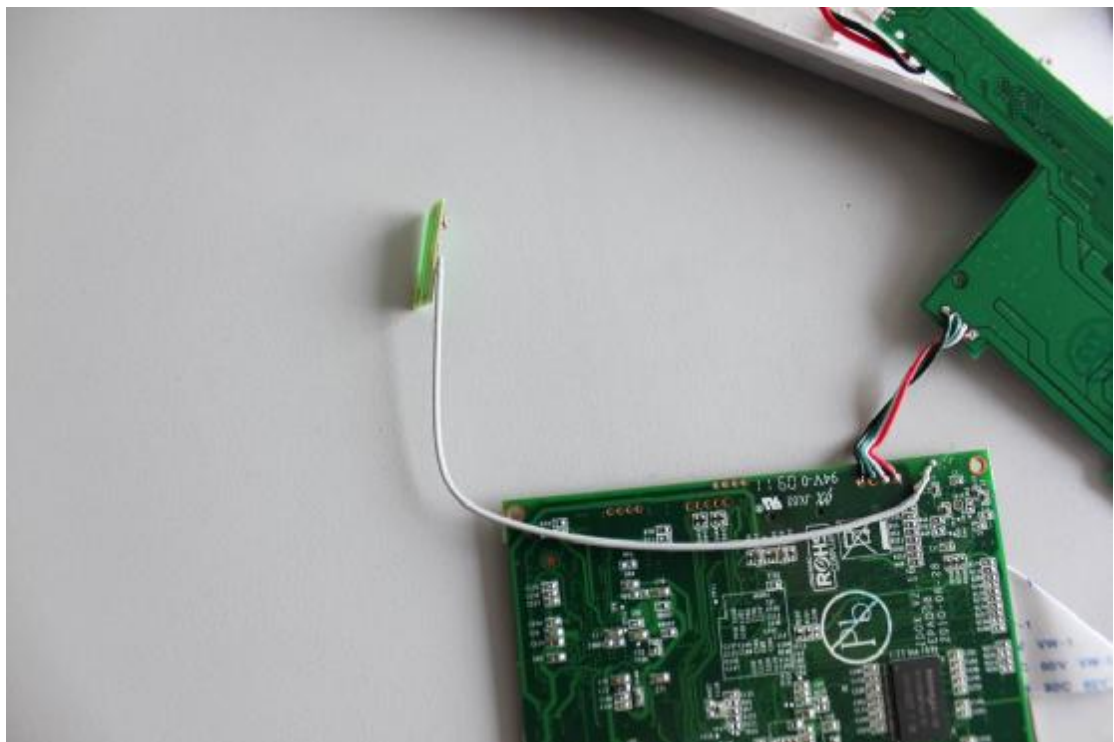
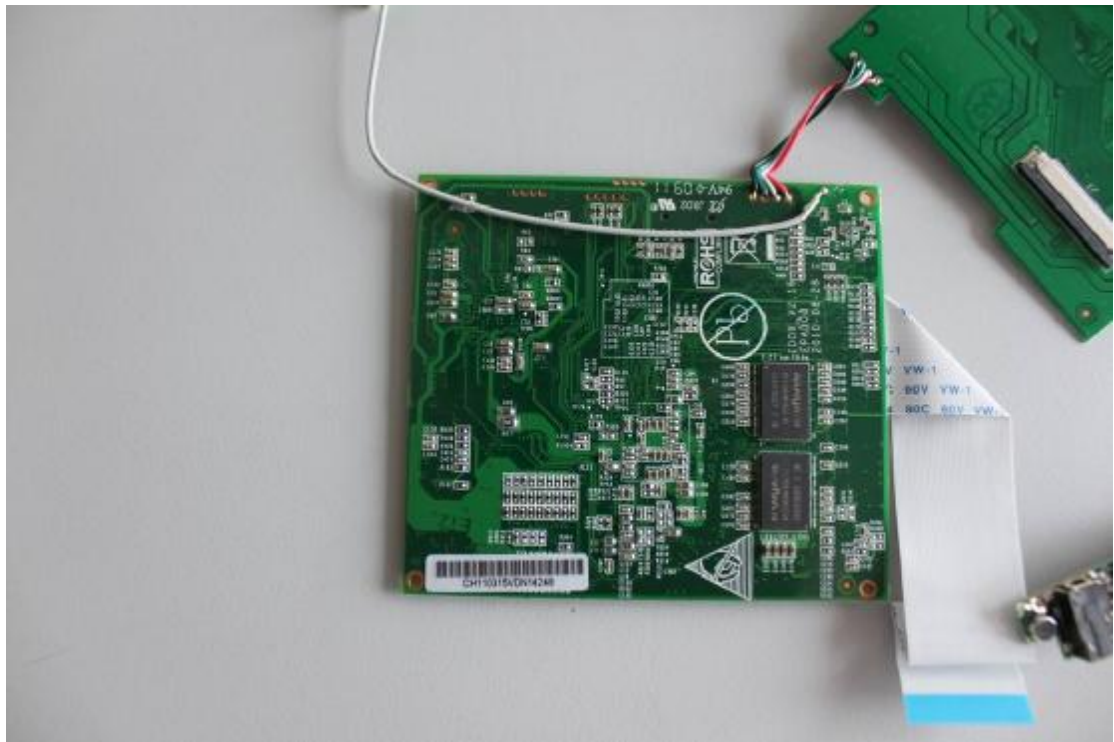


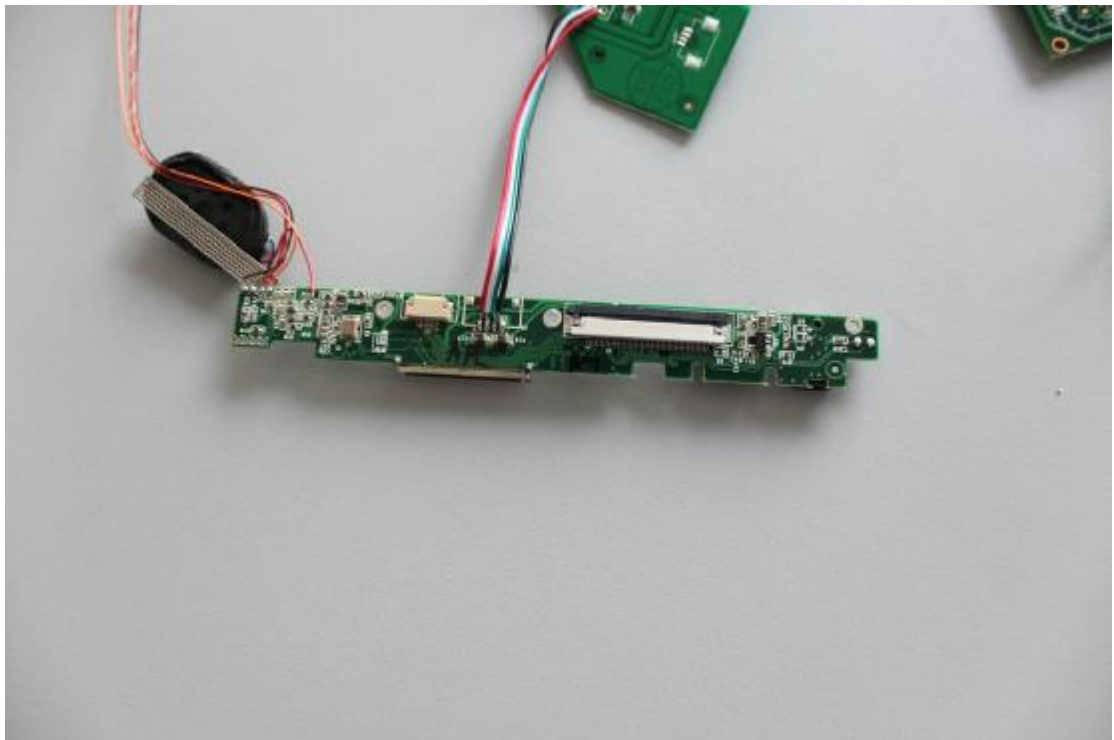
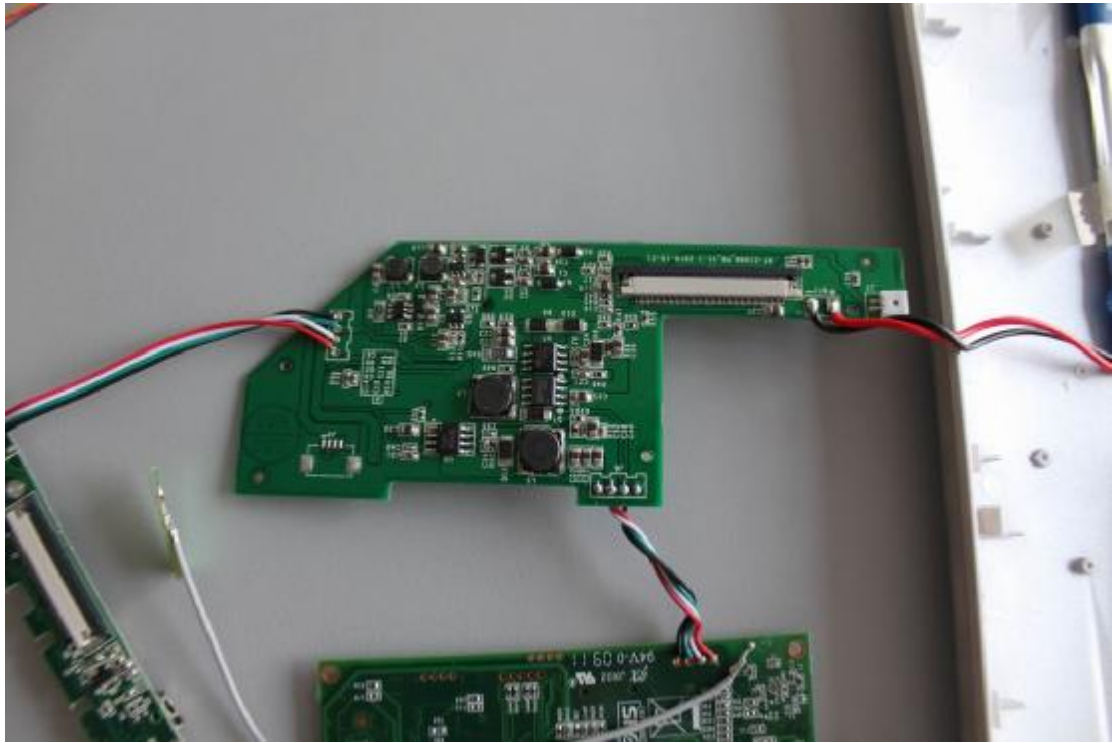












END OF REPORT