

FCC COMPLIANCE REPORT
for
SHENZHEN TENDA TECHNOLOGY CO.,LTD
Wireless USB Adapter
Model Number: W541U

Prepared for : SHENZHEN TENDA TECHNOLOGY CO.,LTD
Address : 3F,Moso industrial Building,No.1031,Liming Road,Xili Town,
Nanshan District,Shenzhen,P.R.CHINA 518055

Prepared By : NS Technology Co., Ltd.
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Report Number : NSE-F08102549
Date of Test : Sep 29~Oct.27, 2008
Date of Report : Oct.31, 2008






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NS Technology Co., Ltd.

Applicant:	SHENZHEN TENDA TECHNOLOGY CO.,LTD		
Address:	3F,Moso industrial Building,No.1031,Liming Road,Xili Town, Nanshan District,Shenzhen,P.R.CHINA 518055		
Manufacturer:	SHENZHEN TENDA TECHNOLOGY CO.,LTD		
Address:	3F,Moso industrial Building,No.1031,Liming Road,Xili Town, Nanshan District,Shenzhen,P.R.CHINA 518055		
E.U.T:	Wireless USB Adapter		
Model Number:	W541U		
Trade Name:	Tenda	Operating Frequency:	2412MHz ~2462MHz
Date of Receipt:	Sep 24, 2008	Date of Test:	Sep 29~Oct.27, 2008
Test Specification:	FCC Part 15 Subpart C: Jul. 2008 ANSI C63.4:2003 KDB558074		
Test Result:	The equipment under test was found to be compliance with the requirements of the standards applied.		
Issue Date: Oct. 31, 2008			
Tested by:	Reviewed by:	Approved by:	
 <hr/> David / Engineer	 <hr/> Iceman Hu / Supervisor	 <hr/> Steven Lee / Manager	
Other Aspects:	None.		
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested			
This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of NS Technology Co., Ltd.			



1. GENERAL PRODUCT INFORMATION

1.1. Product Function

Details please refer to Technical Construction Form and User Manual.

1.2. Description of Device (EUT)

E.U.T.	: Wireless USB Adapter
Model No.	: W541U
Operating Frequency	: 2.412GHz-----2.462GHz ISM Band
Number of Channels	: 11 Channels
Channel frequency	: $F = 2412 + 5(K-1)$ K=1,2,.....11
Radio Technology	: IEEE 802.11b/g
Modulation Technology	: CCK for IEEE 802.11b and OFDM for IEEE 802.11g
Output power	: 11.5dBm(Maximum measured)
Transmission Rate	: 54Mbps,48 Mbps,36 Mbps,24 Mbps,18 Mbps,12 Mbps 9 Mbps,6 Mbps for IEEE 802.11g 11 Mbps,5.5 Mbps,2 Mbps,1 Mbps for IEEE 802.11b
Antenna Assembly Gain	: 2dBi (Integral)
System Input Voltage	: DC 5V FROM PC INPUT AC 120V/60Hz

1.3. Independent Operation Modes

The tested modes are:

- 1.3.1.IEEE 802.11b TX CH1 (2412MHz)
- 1.3.2.IEEE 802.11b TX CH 6 (2437MHz)
- 1.3.3.IEEE 802.11b TX CH11 (2462MHz)
- 1.3.4.IEEE 802.11g TX CH1 (2412MHz)
- 1.3.5.IEEE 802.11g TX CH 6 (2437MHz)
- 1.3.6.IEEE 802.11g TX CH11 (2462MHz)

2. TEST SITES

2.1. Test Facilities

EMC Lab : Certificated by TUV Rheinland, Germany.
Date of registration: July 28, 2003

Certificated by FCC, USA
Registration No.: 897109
Date of registration: October 10, 2003

Certificated by VCCI, Japan
Registration No.: R-1798 & C-1926
Date of registration: January 30, 2004

Certificated by CNAL, CHINA
Registration No.: L1744
Date of registration: November 25, 2004

Certificated by Intertek ETL SEMKO
Registration No.: TMP-013
Date of registration: June 11, 2005

Certificated by TUV/PS, Hong Kong
Date of registration: December 1, 2005

Certificated by Industry Canada
Registration No.: 5936
Date of registration: March 24, 2006

Certificated by ATCB, America
Date of registration: August 03, 2006

Name of Firm : NS Technology Co., Ltd.

Site Location : Chenwu Industrial Zone, Houjie Town, Dongguan City,
Guangdong, China



2.2. List of Test and Measurement Instruments

2.2.1. For Conducted emission at the mains terminal test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Test Receiver	Rohde & Schwarz	ESCS30	100199	Mar.20,08	Mar.20,09
L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	100071	Mar.20,08	Mar.20,09
L.I.S.N.#2(AUX)	Rohde & Schwarz	ESH3-Z5	100317	Mar.20,08	Mar.20,09

2.2.2. For Radiation emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Test Receiver	Rohde & Schwarz	ESCS30	100199	Mar.20,08	Mar.20,09
Spectrum Analyzer	HP	8593E	3448U00806	Mar.20,08	Mar.20,09
Amplifier	Agilent	8447D	2944A10488	May 2,08	May 2,09
Signal Generator	HP	8648A	3426A01263	Apr.8,08	Apr.8,09
Bilog Antenna	EMCO	3142B	00022050	May 2,08	May 2,09
Horn Antenna	EMCO	3117	00062558	May 2,08	May 2,09

2.2.3. For 6dB bandwidth test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Spectrum Analyzer	R/S	ESPI	1142.8007.03	Mar.20,08	Mar.20,09

2.2.4. For Output power test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Power Meter	Agilent	E4416A	MY45100656	Mar.20,08	Mar.20,09
Power Sensor	Agilent	E9327A	MY44420694	Mar.20,08	Mar.20,09

2.2.5. For Band edge compliance test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Test Receiver	Rohde & Schwarz	ESCS30	100199	Mar.20,08	Mar.20,09
Spectrum Analyzer	HP	8593E	3448U00806	Mar.20,08	Mar.20,09
Amplifier	Agilent	8447D	2944A10488	May 2,08	May 2,09
Horn Antenna	EMCO	3117	00062558	May 2,08	May 2,09

2.2.6. For Power spectral density test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Spectrum Analyzer	R/S	ESPI	1142.8007.03	Mar.20,08	Mar.20,09

2.2.7. For Conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Spectrum Analyzer	Agilent	E4407B	MY41440292	Mar.20,08	Mar.20,09

3. TEST SET-UP AND OPERATION MODES

3.1. Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its highest possible radiated level. The test modes were adapted accordingly in reference to the Operating Instructions.

3.2. Test Operation Mode and Test Software

Refer to clause 1.3

3.3. Special Accessories and Auxiliary Equipment

None.

3.4. Countermeasures to Achieve EMC Compliance

None.

4. TEST SUMMARY

Test items and result lists

EMISSION		
Description of Test Item	Standard	Results
Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.4: 2003 KDB558074	PASS
Radiated Emission Test	FCC Part 15: 15.209 ANSI C63.4: 2003 KDB558074	PASS
6dB Bandwidth Test	FCC Part 15: 15.247 KDB558074	PASS
Output Power Test	FCC Part 15: 15.247 KDB558074	PASS
Band Edge Compliance Test	FCC Part 15: 15.247 KDB558074	PASS
Power Spectral Density Test	FCC Part 15: 15.247 KDB558074	PASS
MPE ESTIMATION	FCC Part 2: 2.1093	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

4.1. Conducted Emission at The Mains Terminals Test

RESULT	:	Pass
Test procedure	:	ANSI C63.4: 2003 KDB558074
Frequency range	:	0.15~30MHz
Test Site	:	Shielded Room
Limits	:	FCC Part 15: 15.207

Test Setup

Date of test : Sep 29, 2008
Input Voltage : DC 5V FROM PC INPUT AC 120V/60Hz
Operation Mode : TX Mode

The EUT was put on a wooden table which was 0.8metre high above the ground and connected to the AC mains through a Artificial Mains Network (A.M.N). The mains lead in excess of 1 m separating the EUT from the AMN was folded back and forth parallel to the lead so as to form a bundle with a length of 0.3m to 0.4m.

The EUT was kept 0.4m from any other earthed conducting surface. Both sides of AC line were checked to find out the maximum conducted emission levels according to the test procedure during conducted emission test.

The bandwidth of the test receiver (R&S ESCS30) was set at 9KHz.

The frequency range from 150 KHz to 30 MHz was investigated.

The test data of the worst case condition(s) was reported on the following page.

Test Data

EUT:	Wireless USB Adapter	Temperature:	25.3°C
M/N:	W541U	Humidity:	56%
Test Mode:	TX Mode	Test Engineer:	David

Conducted Emission at The Mains Terminals Test					
Frequency (MHz)	Reading (dBμV)			Limit (dBμV)	
	Quasi-Peak	Average	Ports	Quasi-Peak	Average
0.190	46.8	41.3	Neutral	64.0	54.0
0.381	34.6	32.5	Neutral	58.3	48.3
0.857	36.5	33.7	Neutral	56.0	46.0
1.242	32.7	30.1	Neutral	56.0	46.0
1.810	35.1	32.7	Neutral	56.0	46.0
15.885	35.6	32.7	Neutral	60.0	50.0
0.191	45.9	40.4	Line	64.0	54.0
0.285	36.5	34.3	Line	60.7	50.7
0.856	35.1	33.2	Line	56.0	46.0
1.811	35.0	32.6	Line	56.0	46.0
3.241	33.6	30.1	Line	56.0	46.0
20.594	36.2	33.0	Line	60.0	50.0

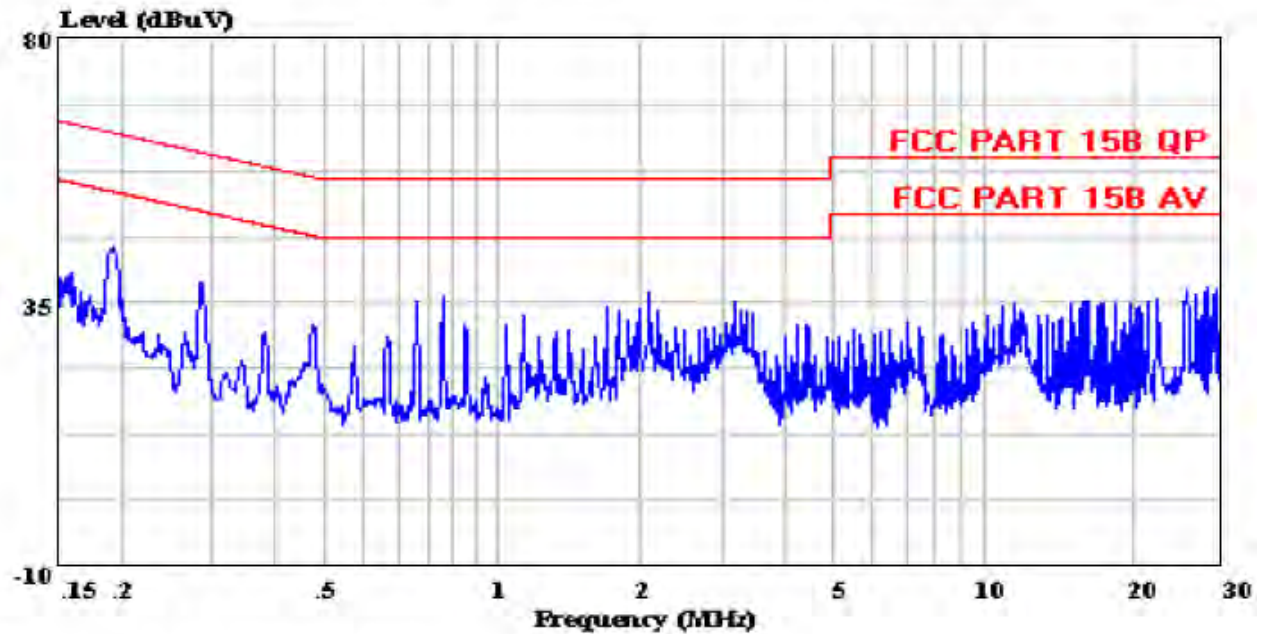
Note: 1. Test uncertainty: $\pm 1.99\text{dB}$ at a level of confidence of 95%.

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Data#: 3 File#: D:\Conduction\T\tenda.EMI

Date: 2008-09-29 Time: 10:25:01



Site : B44 Shielded Room
Condition : FCC PART 15B AV FACTOR NEUTRAL
EUT : Wireless USB Adapter
Power : DC 5V FROM PC INPUT AC 120V/60Hz
M/N : W541U
Test Engineer: TN Mode
Comment : David
Memo : Temp:25.3'C Humi:56%

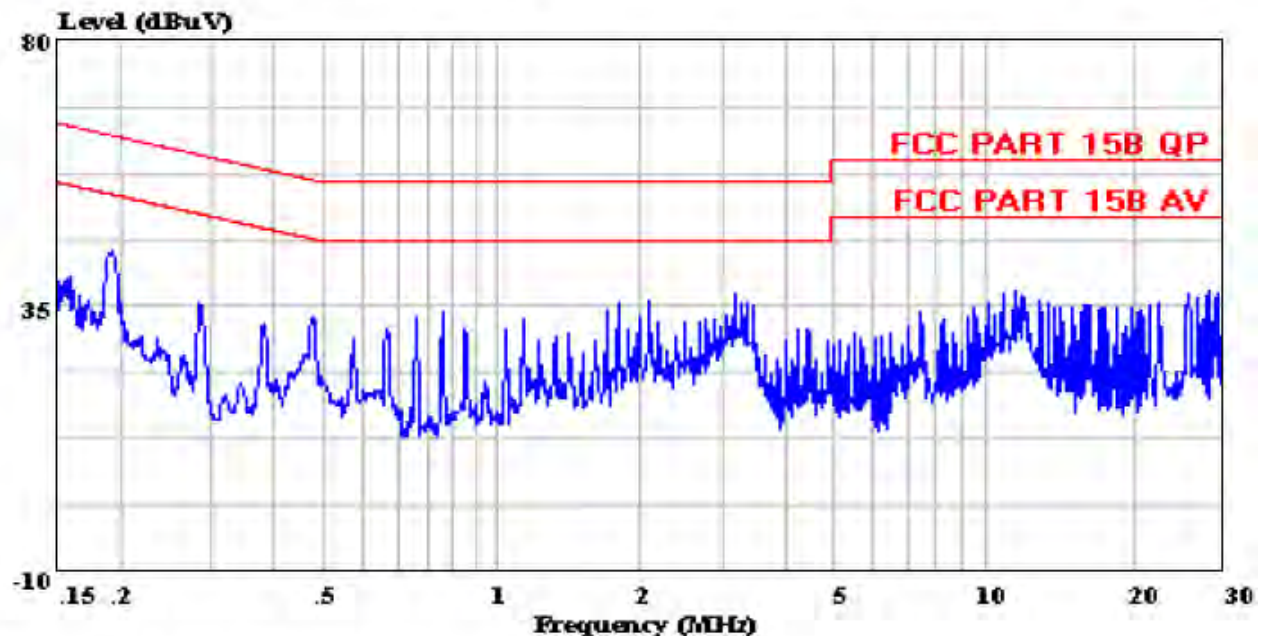


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Data#: 4 File#: D:\Conduction\T\tenda.EMI

Date: 2008-09-29 Time: 10:26:48



Site : 844 Shielded Room
Condition : FCC PART 15B AV FACTOR LINE
EUT : Wireless USB Adapter
Power : DC 5V FROM PC INPUT AC 120V/60Hz
M/N : W541U
Test Engineer: TX Mode
Comment : David
Memo : Temp:25.3'C Humi:56%



4.2. Conducted Emission

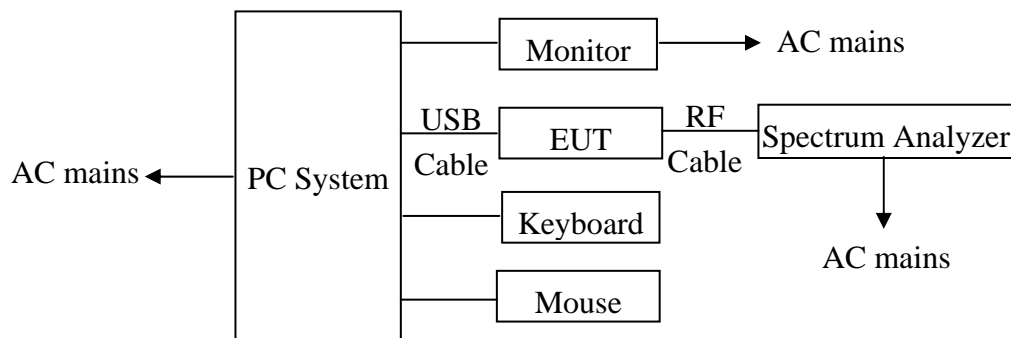
4.2.1. Test limits

Intentional radiator shall be at least 20dB below that in 100kHz bandwidth within the band that contains the highest level of the desired power.

4.2.2. Test procedure

1. Connect EUT RF output port to the spectrum analyzer through an RF attenuator.
2. Set the EUT work on the CH1,CH6,CH11 individually
3. Set SPA Frequency = Operation frequency, for PK: RBW =100kHz, VBW=300KHz.
4. Set SPA trace max hold, then view.

4.2.3. Test setup diagram



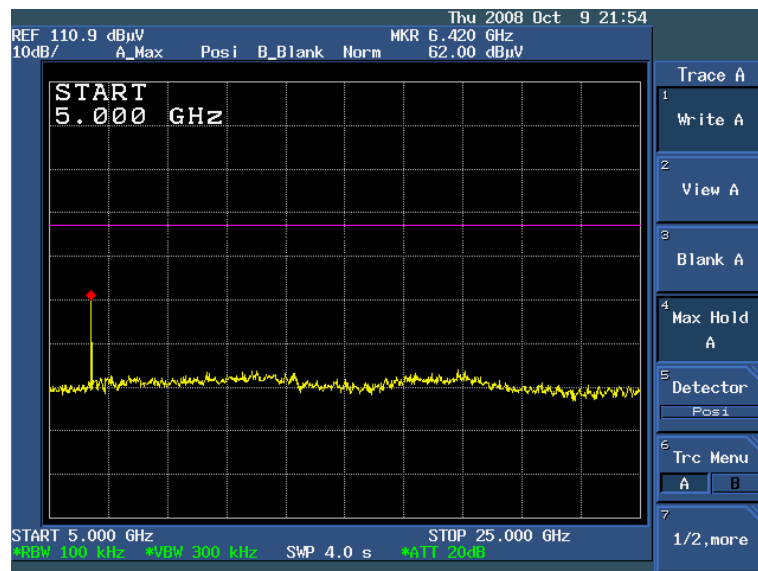
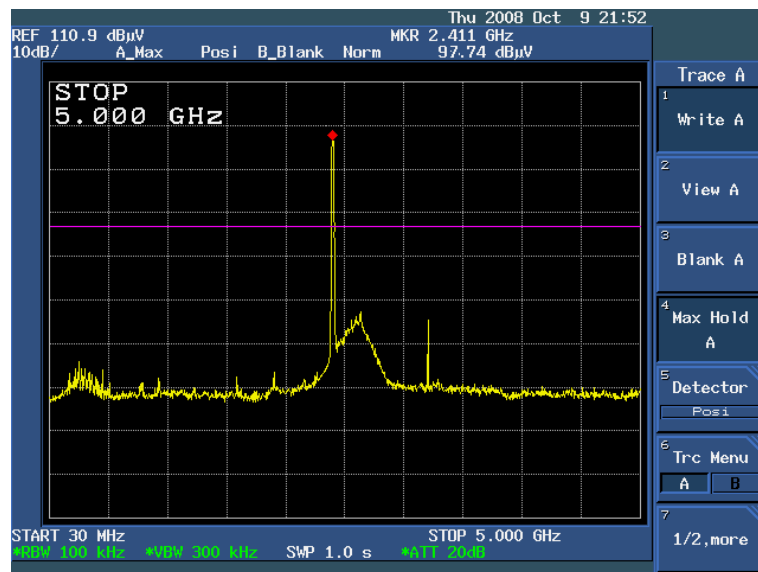
4.2.4. Test result

PASS.

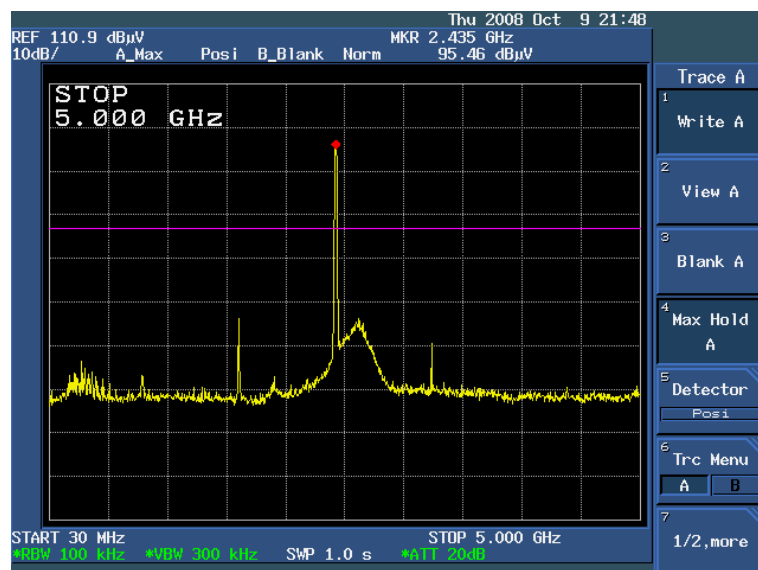
The test plots as following:

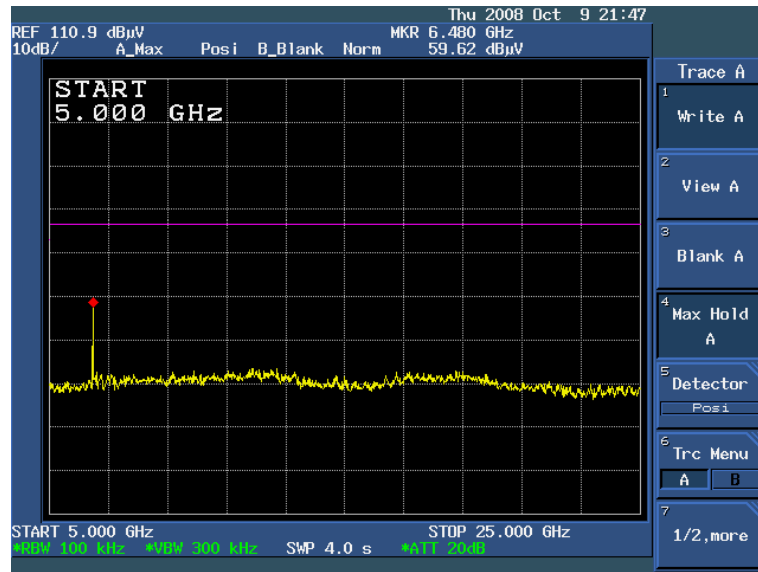
Test Mode: IEEE 802.11b TX (Transmission Rate:11 Mbps)

Test CH1: 2412MHz

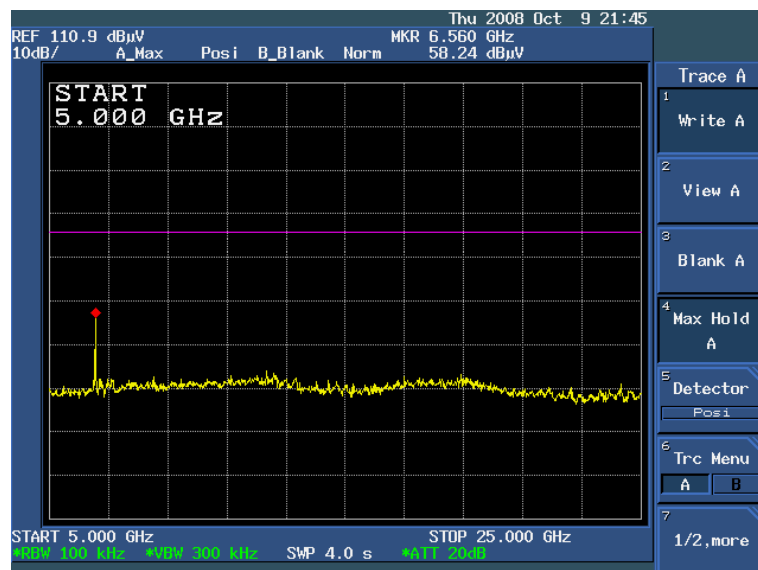
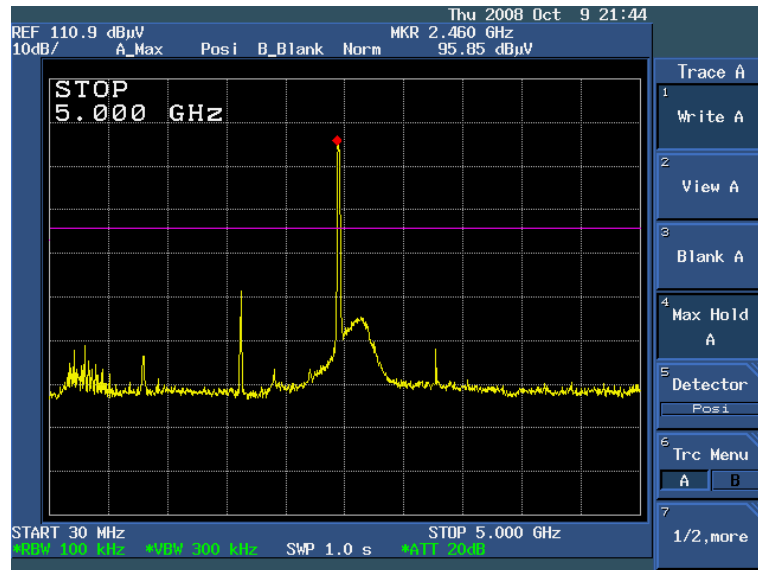


Test CH6: 2437MHz

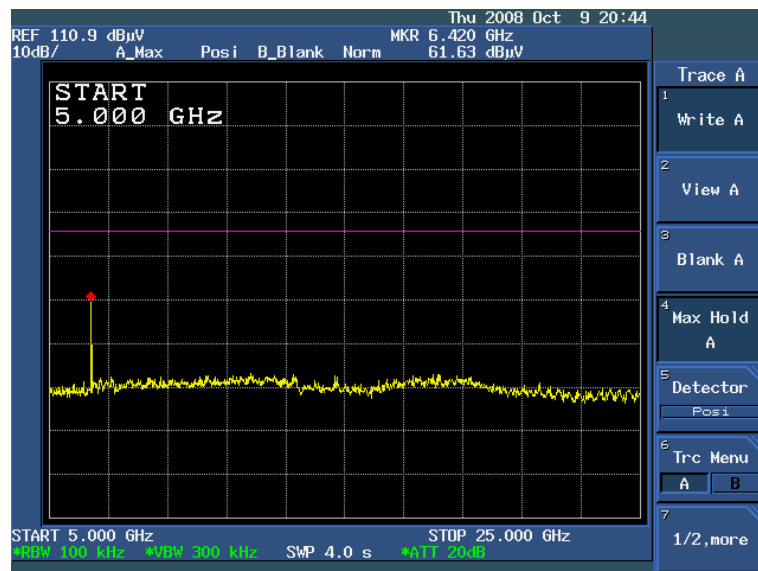
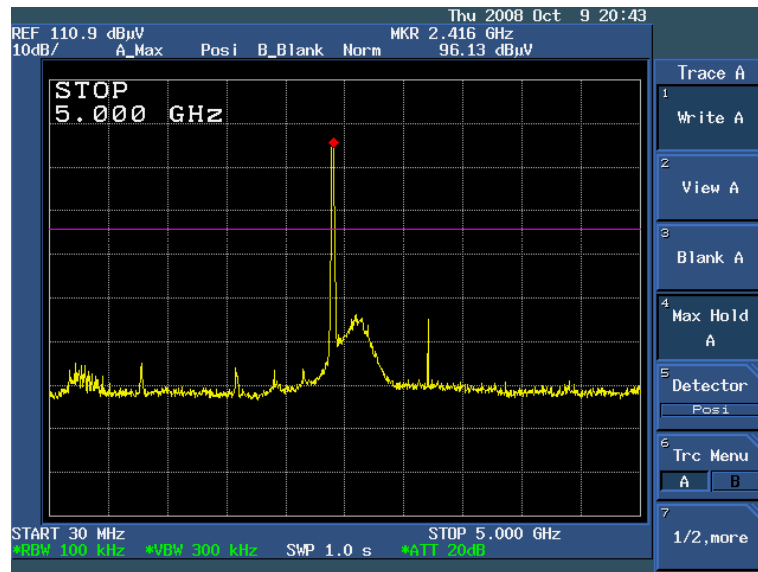




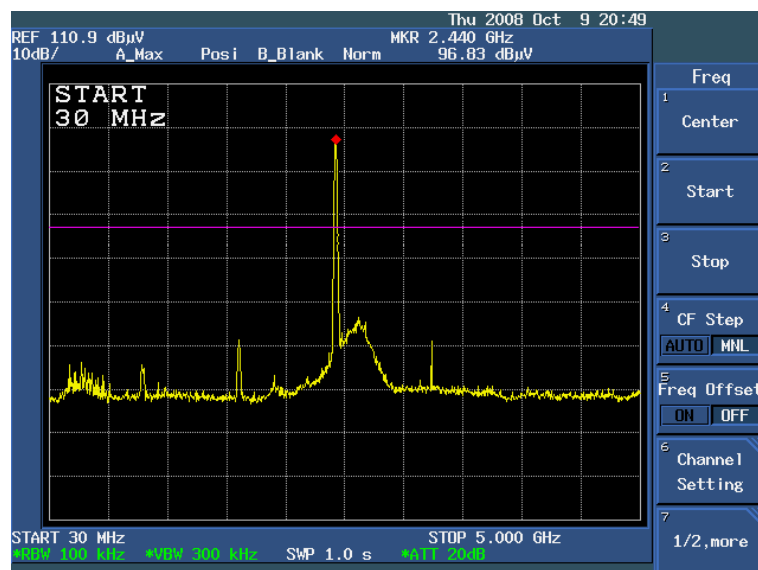
Test CH11: 2462MHz

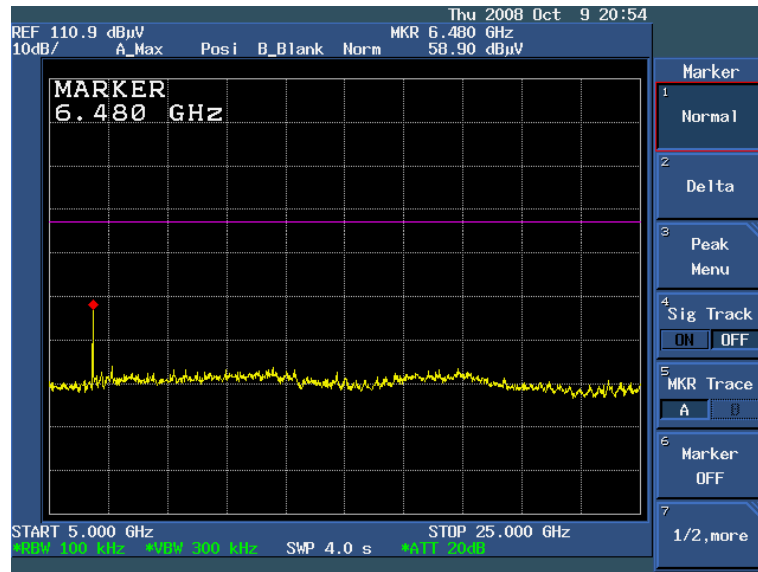


Test Mode: IEEE 802.11g TX (Transmission Rate:54 Mbps)
Test CH1: 2412MHz

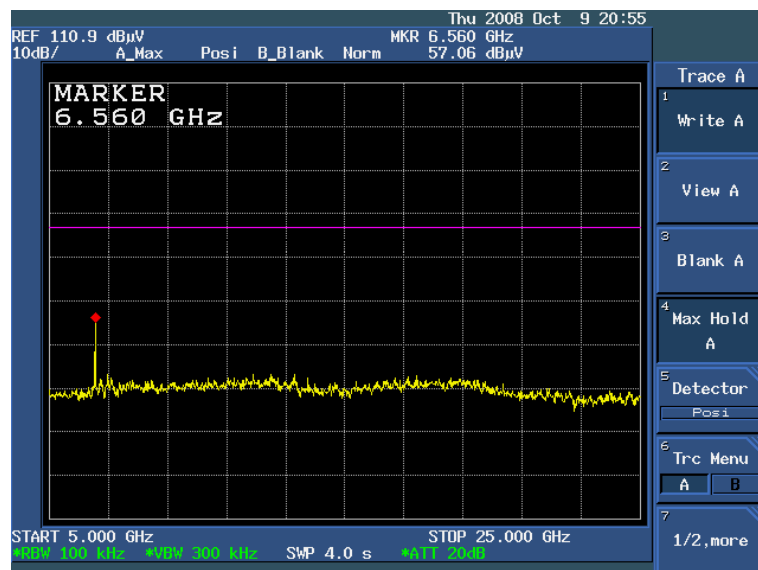
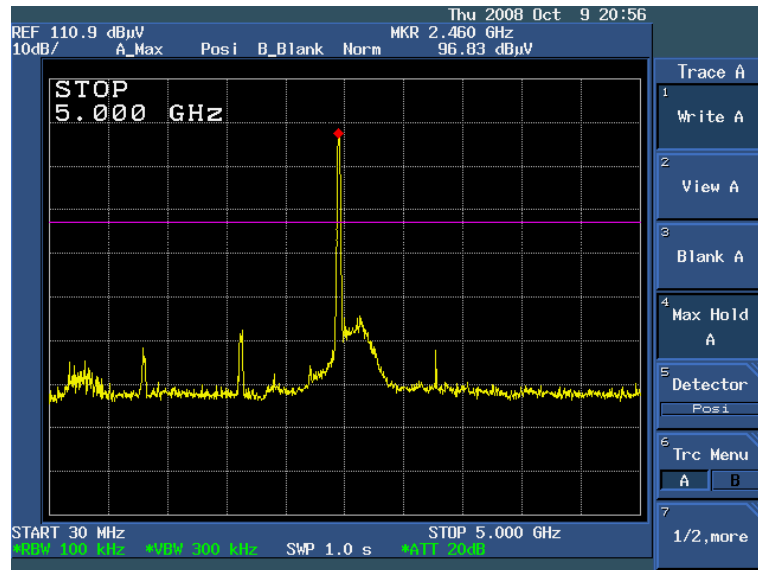


Test CH6: 2437MHz





Test CH11: 2462MHz

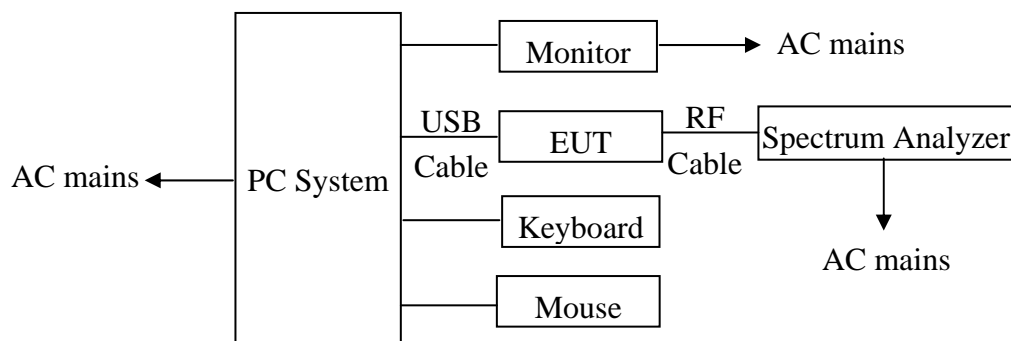


4.3. 6dB Bandwidth Test

4.3.1. Test procedure

1. Connect EUT RF output port to the spectrum analyzer through an RF terminal.
2. Set the EUT work on the CH1, CH6, CH11 individually.
3. Set SA Center Frequency = Operation frequency, RBW=200kHz, VBW=300kHz.
4. Set SA trace max hold, then view.
5. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB. The minimum 6dB bandwidth shall be at least 500KHz.

4.3.2. Test setup diagram



4.3.3. Test result

Pass

Test Mode: IEEE 802.11b TX (Transmission Rate:11 Mbps)

CH	6dB Bandwidth (MHz)	Limit	Conclusion
1	13.4	>500	PASS
6	12.8	>500	PASS
11	13.0	>500	PASS

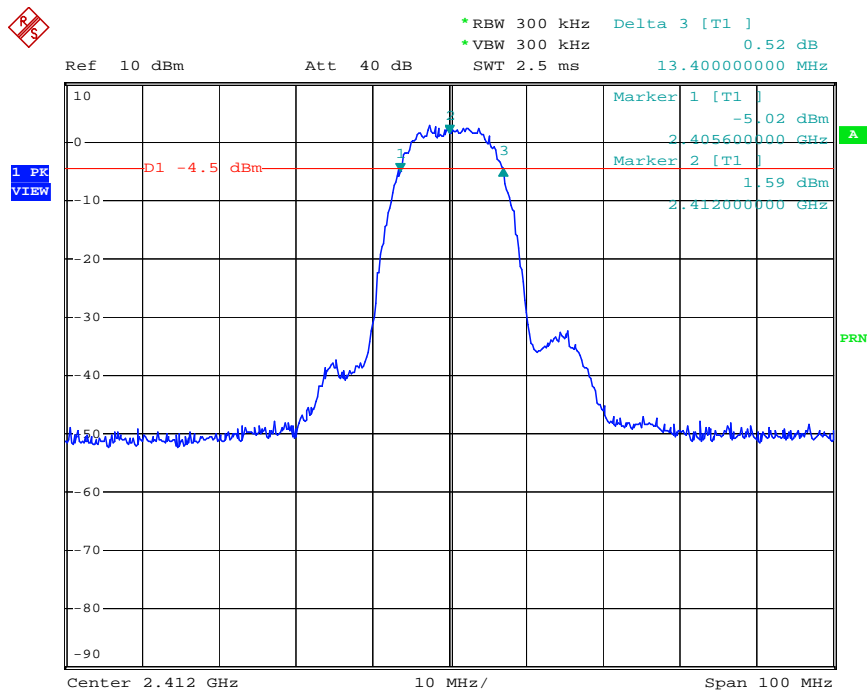
Test Mode: IEEE 802.11g TX (Transmission Rate:54 Mbps)

CH	6dB Bandwidth (MHz)	Limit	Conclusion
1	16.6	>500	PASS
6	17.0	>500	PASS
11	16.6	>500	PASS

The test plots as following:

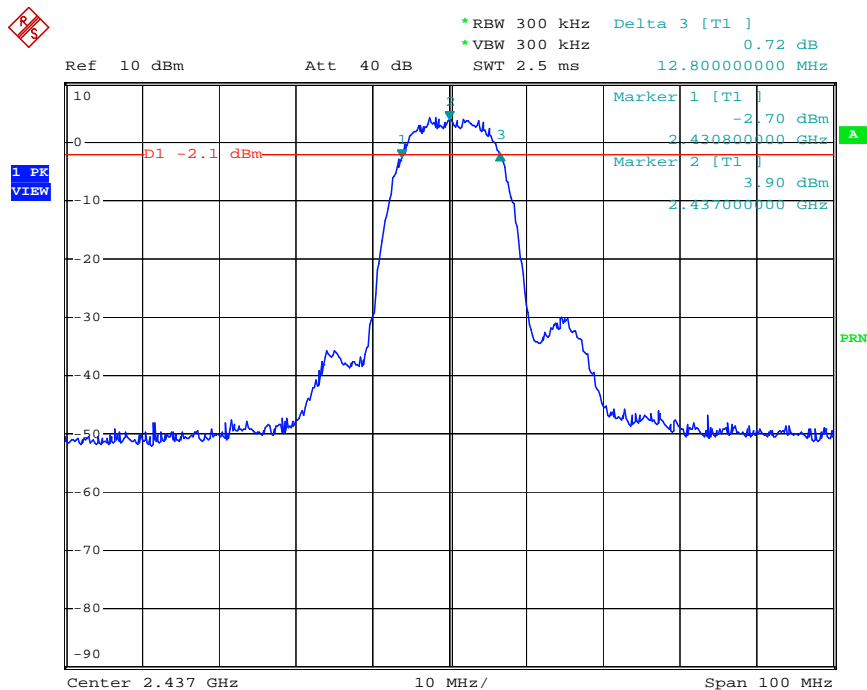
Test Mode: IEEE 802.11b TX (Transmission Rate:11 Mbps)

Test CH1: 2412MHz



Date: 21.OCT.2008 16:20:38

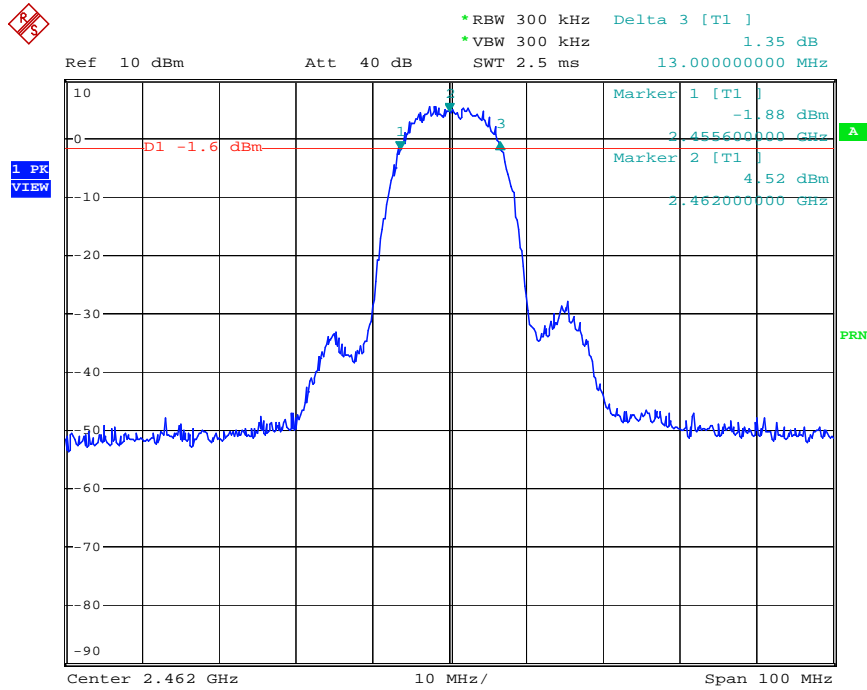
Test CH6: 2437MHz



Date: 21.OCT.2008 16:19:02



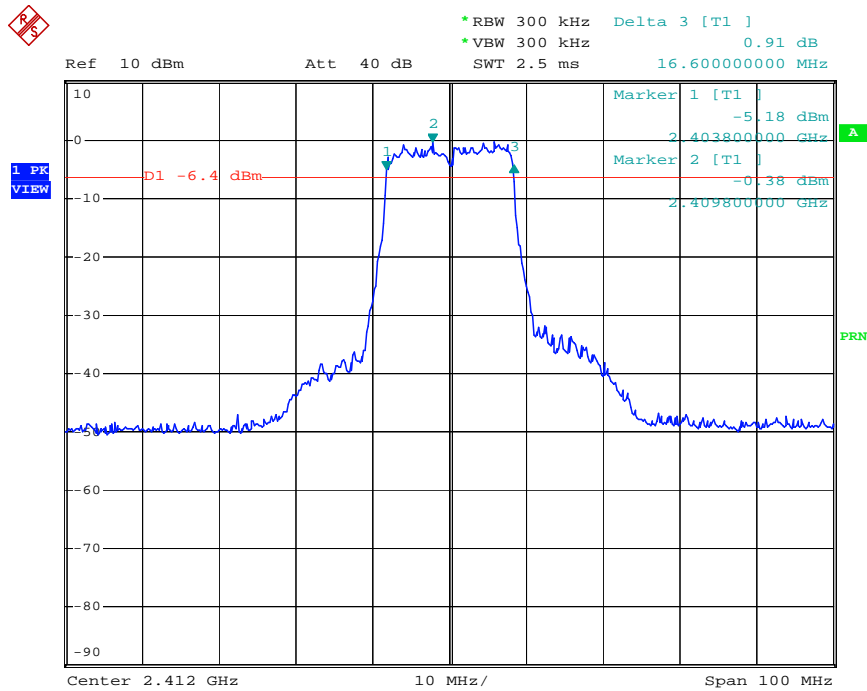
Test CH11: 2462MHz



Date: 21.OCT.2008 16:16:59

Test Mode: IEEE 802.11g TX (Transmission Rate:54 Mbps)

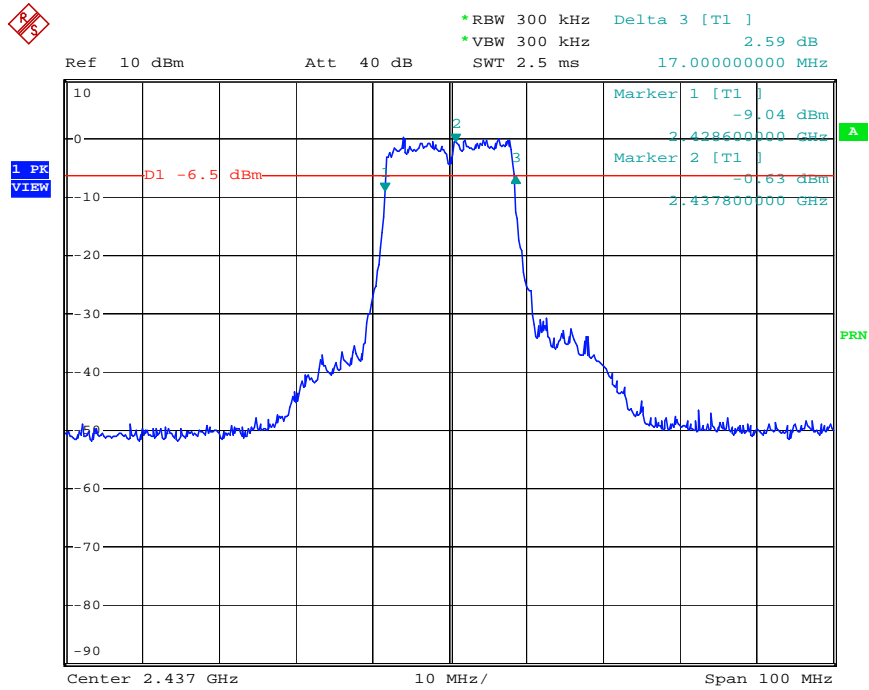
Test CH1: 2412MHz



Date: 21.OCT.2008 16:09:12

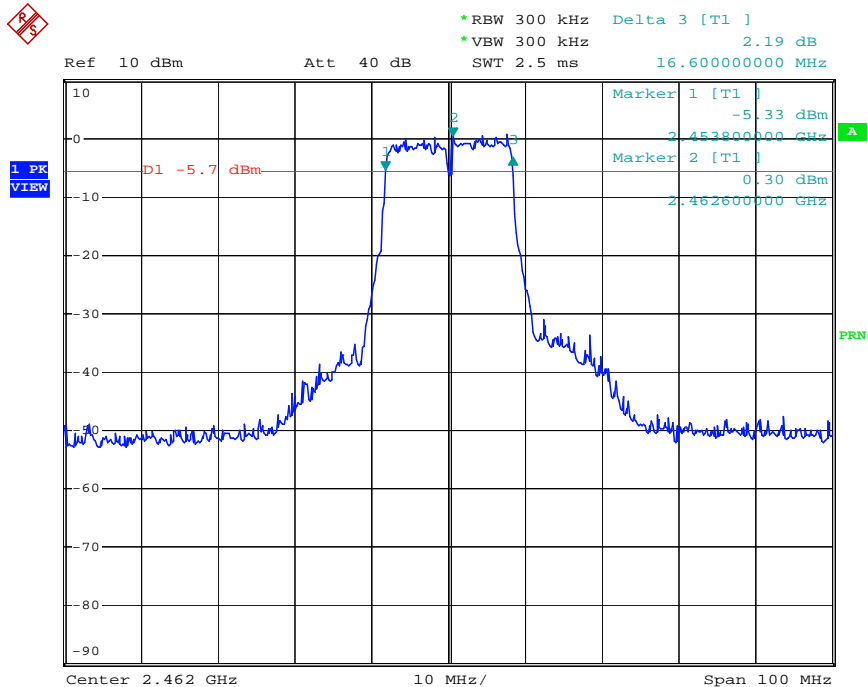


Test CH6: 2437MHz



Date: 21.OCT.2008 16:12:49

Test CH11: 2462MHz



Date: 21.OCT.2008 16:15:09

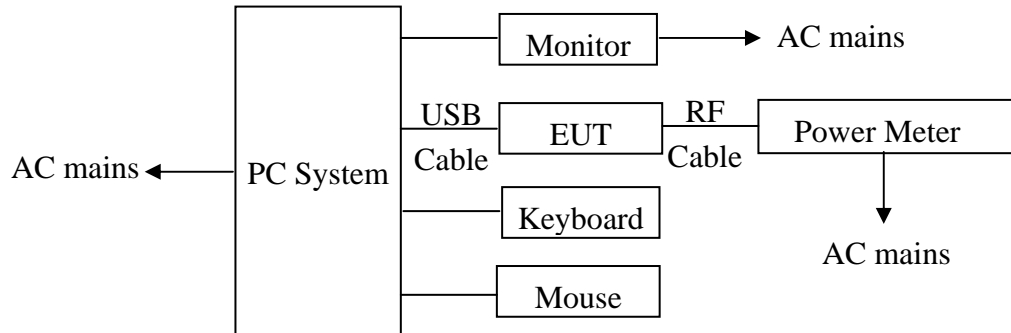


4.4. Output Power Test

4.4.1. Test procedure

The transmitter output was connected to a power meter, use the power meter to read out the peak output power.

4.4.2. Test setup diagram



4.4.3. Test result

Pass

Test mode: IEEE 802.11b TX (Transmission Rate: 11 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit(PK) (dBm)
	PK	AV		PK	AV	
1	10.21	8.67	0.6	10.81	9.27	30
6	10.35	9.34	0.6	10.95	9.94	30
11	10.90	10.13	0.6	11.50	10.73	30

Test mode: IEEE 802.11b TX (Transmission Rate: 5.5 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit (PK) (dBm)
	PK	AV		PK	AV	
1	10.01	8.30	0.6	10.61	8.90	30
6	10.26	9.52	0.6	10.86	10.12	30
11	10.73	9.86	0.6	11.33	10.46	30

Test mode: IEEE 802.11b TX (Transmission Rate: 2 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit (PK) (dBm)
	PK	AV		PK	AV	
1	10.34	8.64	0.6	10.94	9.24	30
6	10.33	9.69	0.6	10.93	10.29	30
11	10.62	9.75	0.6	11.22	10.35	30

Test mode: IEEE 802.11b TX (Transmission Rate: 1 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit(PK) (dBm)
	PK	AV		PK	AV	
1	10.07	8.64	0.6	10.67	9.24	30
6	10.69	8.99	0.6	11.29	9.59	30
11	10.75	9.55	0.6	11.35	10.15	30

Test mode: IEEE 802.11g TX (Transmission Rate: 54 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit (PK) (dBm)
	PK	AV		PK	AV	
1	10.41	9.02	0.6	11.01	9.62	30
6	10.52	9.67	0.6	11.12	10.27	30
11	10.85	10.15	0.6	11.45	10.75	30

Test mode: IEEE 802.11g TX (Transmission Rate: 48 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit(PK) (dBm)
	PK	AV		PK	AV	
1	10.08	8.67	0.6	10.68	9.27	30
6	10.10	9.34	0.6	10.70	9.94	30
11	10.81	10.19	0.6	11.41	10.79	30

Test mode: IEEE 802.11g TX (Transmission Rate: 36 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit (PK) (dBm)
	PK	AV		PK	AV	
1	10.11	8.37	0.6	10.71	8.97	30
6	10.11	9.50	0.6	10.71	10.10	30
11	10.74	9.98	0.6	11.34	10.58	30

Test mode: IEEE 802.11g TX (Transmission Rate: 24 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit(PK) (dBm)
	PK	AV		PK	AV	
1	10.03	8.37	0.6	10.63	8.97	30
6	10.62	9.28	0.6	11.22	9.88	30
11	10.55	9.89	0.6	11.15	10.49	30

Test mode: IEEE 802.11g TX (Transmission Rate: 18 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit (PK) (dBm)
	PK	AV		PK	AV	
1	10.38	8.93	0.6	10.98	9.53	30
6	10.00	9.55	0.6	10.60	10.15	30
11	10.55	9.86	0.6	11.15	10.46	30

Test mode: IEEE 802.11g TX (Transmission Rate: 12 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit(PK) (dBm)
	PK	AV		PK	AV	
1	10.21	8.49	0.6	10.81	9.09	30
6	10.05	9.33	0.6	10.65	9.93	30
11	10.67	10.10	0.6	11.27	10.70	30

Test mode: IEEE 802.11g TX (Transmission Rate: 9 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit (PK) (dBm)
	PK	AV		PK	AV	
1	10.37	8.82	0.6	10.97	9.42	30
6	10.10	9.66	0.6	10.70	10.26	30
11	10.58	9.90	0.6	11.18	10.50	30

Test mode: IEEE 802.11g TX (Transmission Rate: 6 Mbps)

Test CH	Read (dBm)		Cable loss(dB)	Result (dBm)		Limit(PK) (dBm)
	PK	AV		PK	AV	
1	10.44	8.83	0.6	11.04	9.43	30
6	10.05	9.42	0.6	10.65	10.02	30
11	10.63	10.11	0.6	11.23	10.71	30

Note: Result= Read (PK) + Cable loss

4.5. BAND EDGE COMPLIANCE TEST

4.5.1. Test limits

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)).

4.5.2. Test procedure

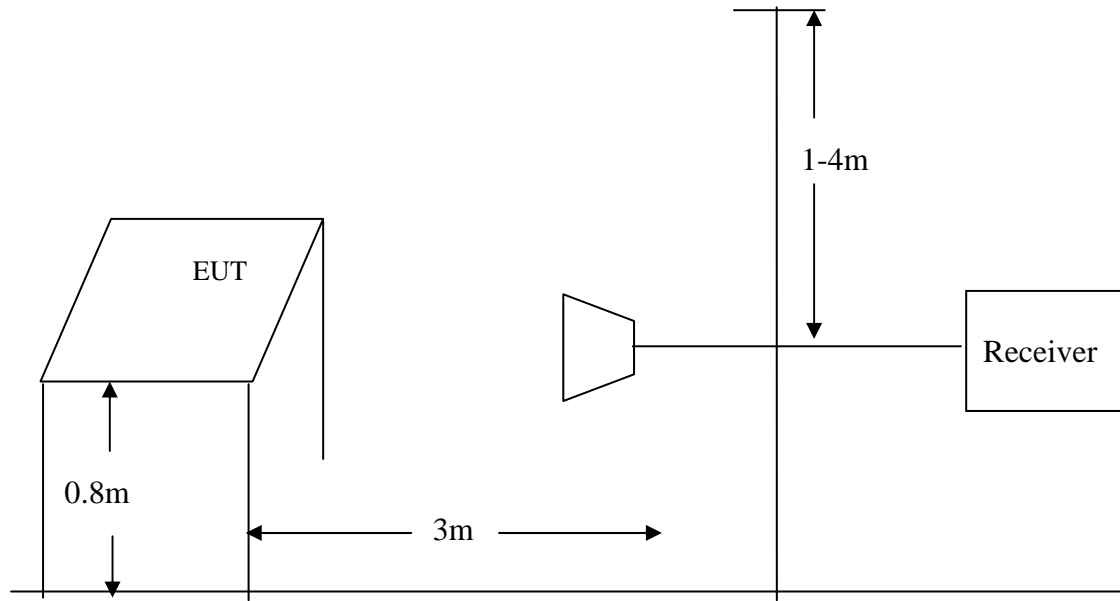
The EUT was placed on a turn table which was 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower. At the frequency band of 1GHz to 25GHz, The measuring antenna moved from 1 to 4 m for horizontal and vertical polarization. The horn antenna was used was a receiving antenna.

The resolution bandwidth and video bandwidth of the test receiver was 1MHz and 1MHz for Peak detection at frequency above 1GHz.

For Average measurement at frequency above 1GHz. The resolution bandwidth of the test receiver was 1MHz ; due to the shortest pulse width T is 116us, according the video bandwidth should not smaller than $1/T$, so the video bandwidth is 10Hz.

The EUT was tested in Chamber Site.

4.5.3. Test Setup Diagram



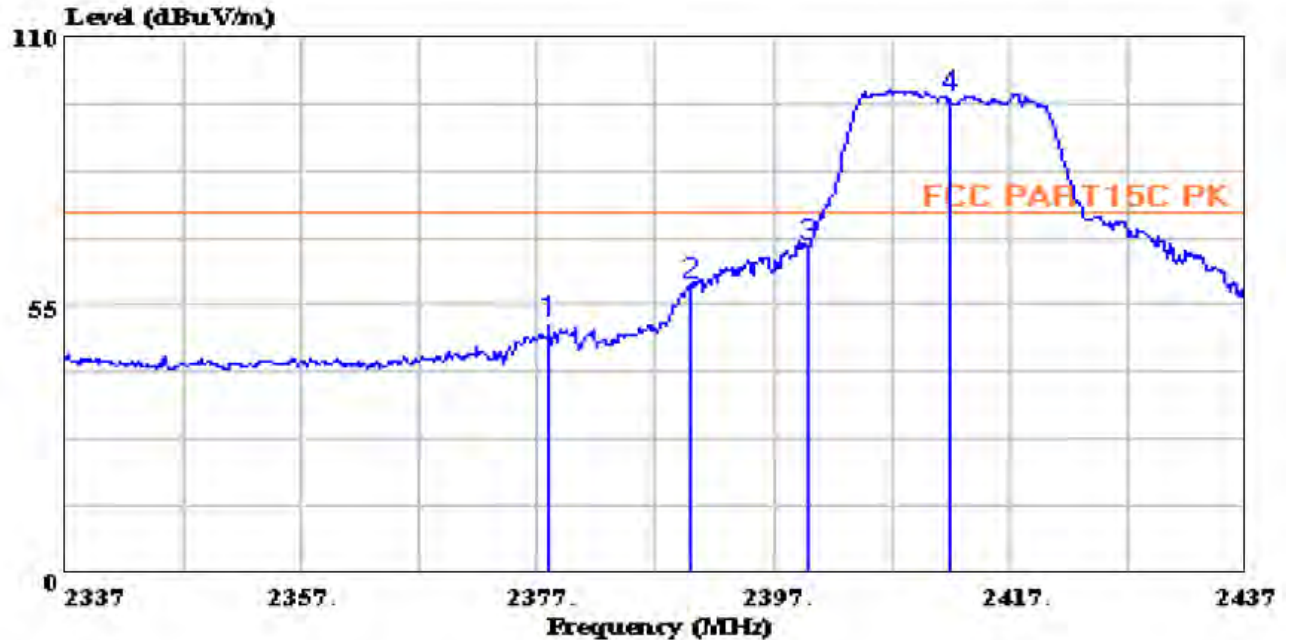
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www.nscq.cn

Data#: 133 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 21:30:41



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	2377.900	51.22	-22.78	74.00	17.51	2.23	31.48	Peak
2	2390.000	59.19	-14.81	74.00	25.46	2.23	31.50	Peak
3	2400.000	67.13	-6.87	74.00	33.39	2.23	31.51	Peak
4 *	2412.000	97.56	-----	-----	63.81	2.23	31.52	Peak



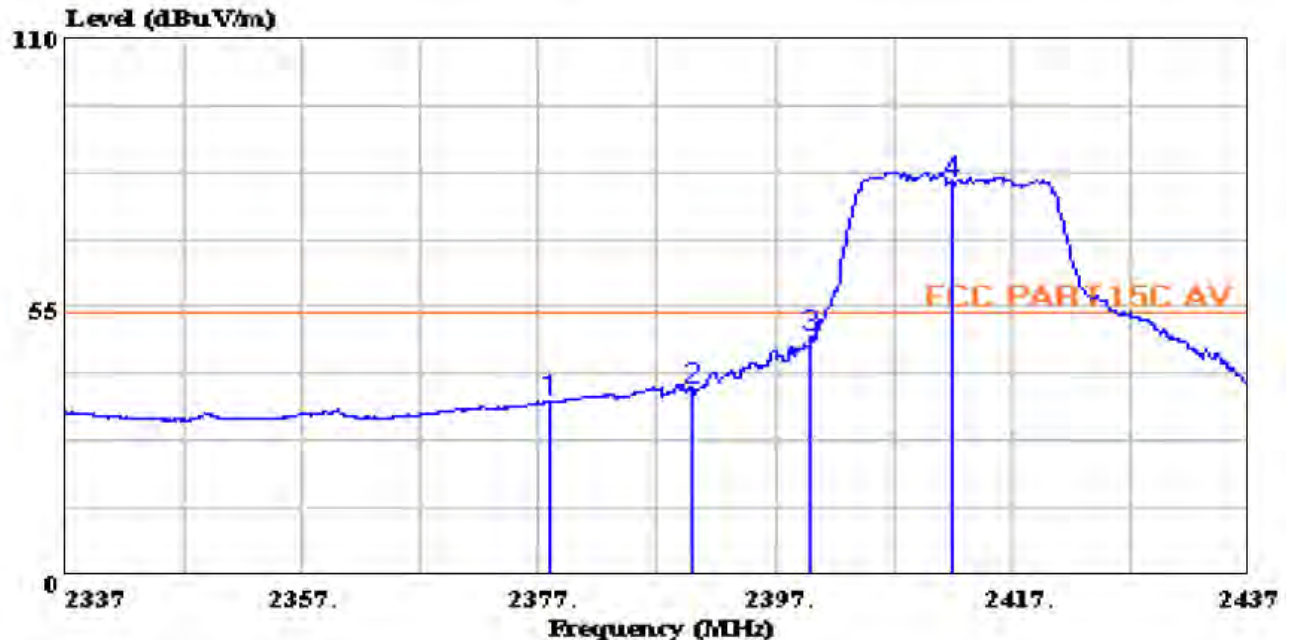
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Guangdong, China
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Data#: 134 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 21:32:28



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	2377.900	35.73	-18.27	54.00	2.02	2.23	31.48	Average
2	2390.000	38.16	-15.84	54.00	4.43	2.23	31.50	Average
3	2400.000	48.64	-5.36	54.00	14.90	2.23	31.51	Average
4	2412.000	80.50	-----	-----	46.75	2.23	31.52	Average



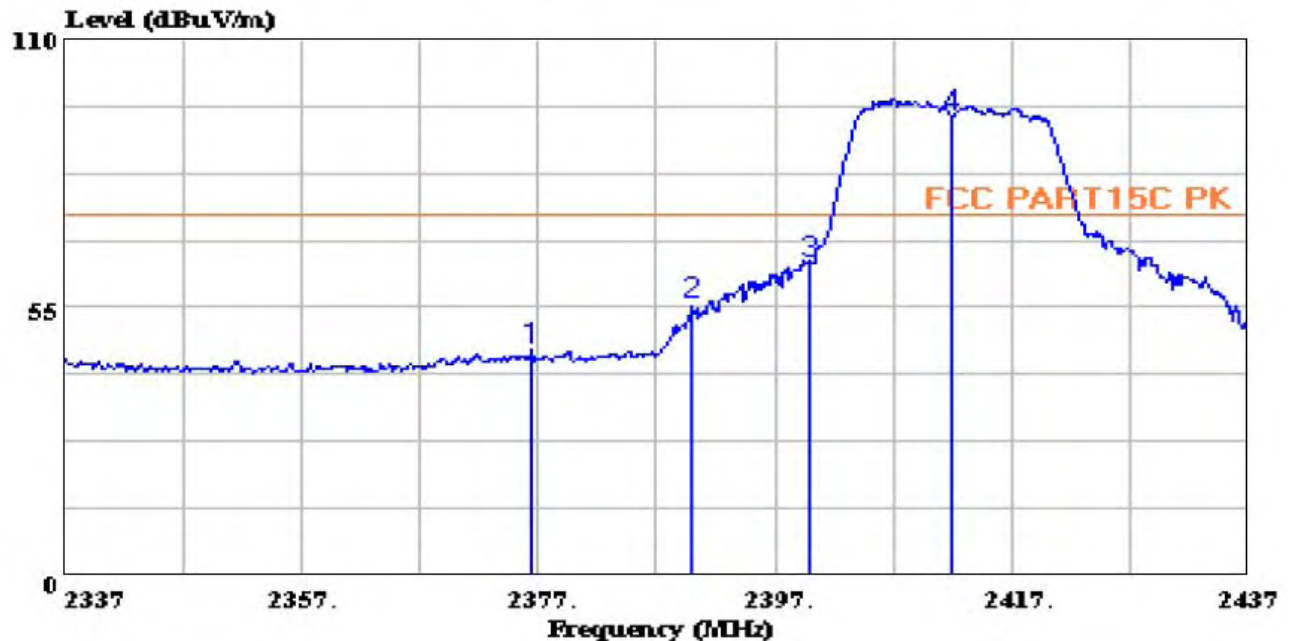
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www.nscsco.cn

Data#: 136 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 21:38:14



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	2376.400	46.27	-27.73	74.00	12.57	2.22	31.48	Peak
2	2390.000	55.72	-18.28	74.00	21.99	2.23	31.50	Peak
3	2400.000	64.34	-9.66	74.00	30.60	2.23	31.51	Peak
4 *	2412.000	94.33	-----	-----	60.58	2.23	31.52	Peak



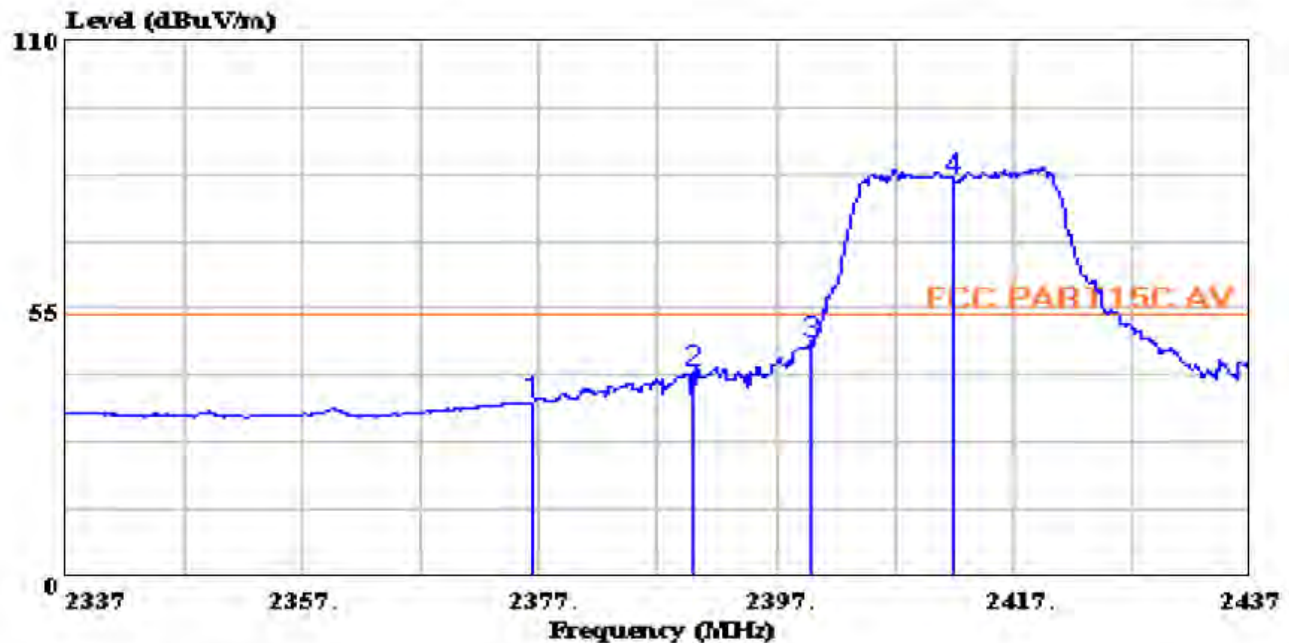
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Data#: 135 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 21:36:40



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	2376.400	35.40	-18.60	54.00	1.70	2.22	31.48	Average
2	2390.000	42.01	-11.99	54.00	8.28	2.23	31.50	Average
3	2400.000	47.83	-6.17	54.00	14.09	2.23	31.51	Average
4 *	2412.000	81.43	-----	-----	47.68	2.23	31.52	Average



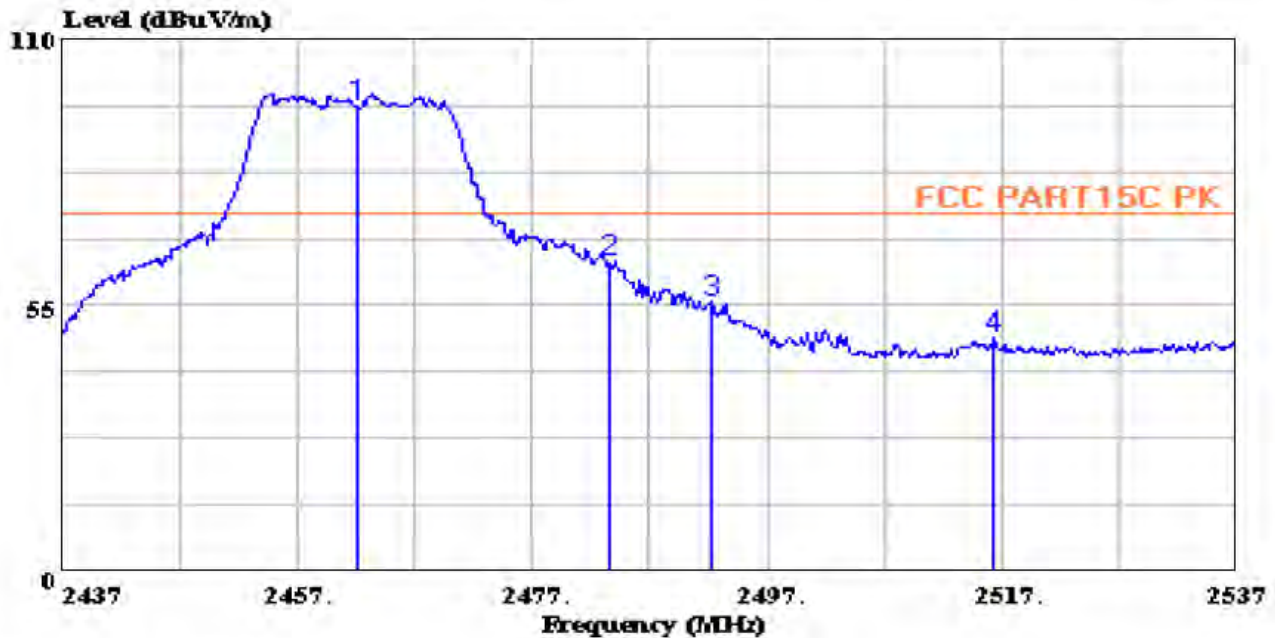
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Data#: 140 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 21:45:37



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 *	2462.000	96.01	-----	-----	62.21	2.23	31.57	Peak
2	2483.500	64.09	-9.91	74.00	30.27	2.23	31.59	Peak
3	2492.200	55.54	-18.46	74.00	21.71	2.23	31.60	Peak
4	2516.400	48.16	-25.84	74.00	14.31	2.23	31.62	Peak



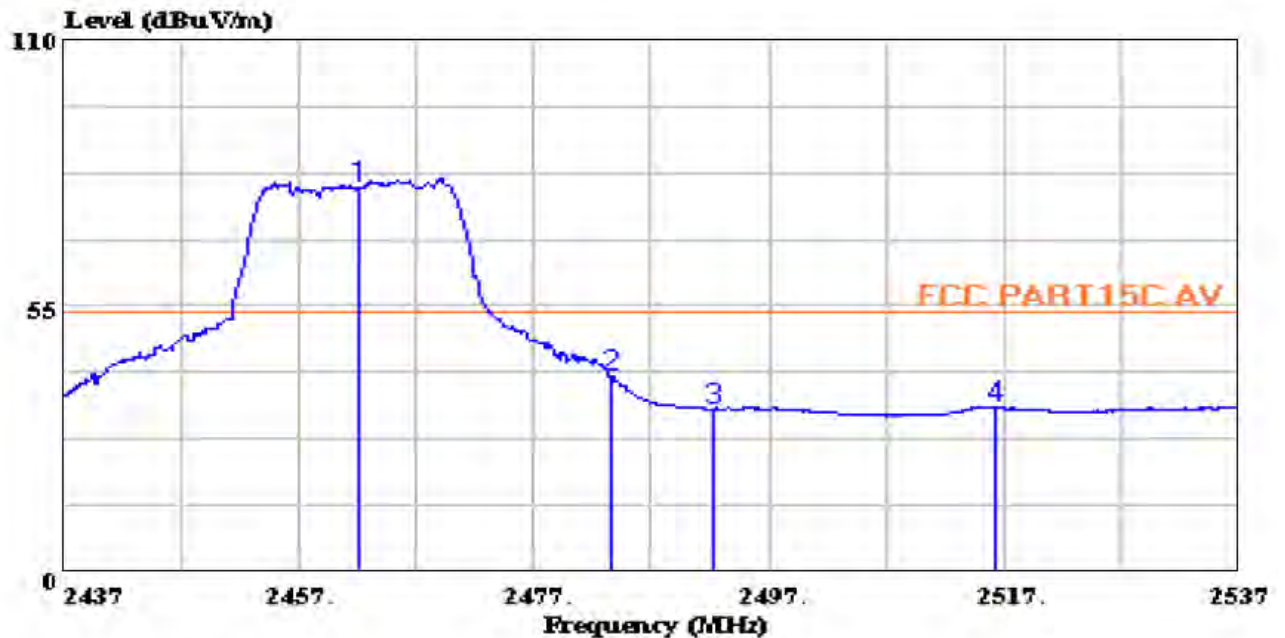
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Data#: 139 File#: D:\Radiation\T\TenDA.emi

Date: 2006-10-21 Time: 21:43:42



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 *	2462.000	79.46	-----	-----	45.66	2.23	31.57	Average
2	2483.500	40.54	-13.46	54.00	6.72	2.23	31.59	Average
3	2492.200	33.71	-20.29	54.00	0.12	2.23	31.60	Average
4	2516.400	33.81	-20.19	54.00	0.04	2.23	31.62	Average



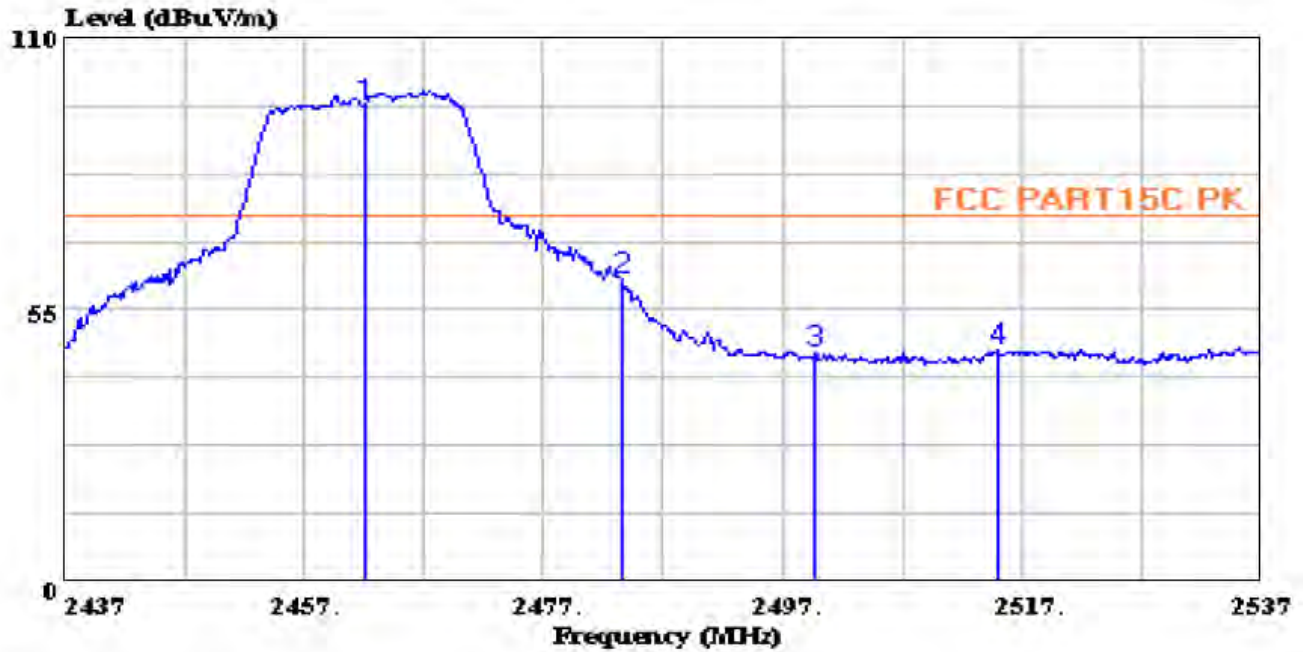
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Data#: 137 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 21:40:28



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1 *	2462.000	96.38	-----	-----	62.58	2.23	31.57	Peak
2	2483.500	61.08	-12.92	74.00	27.26	2.23	31.59	Peak
3	2499.700	46.26	-27.74	74.00	12.43	2.23	31.60	Peak
4	2514.900	46.63	-27.37	74.00	12.79	2.23	31.61	Peak



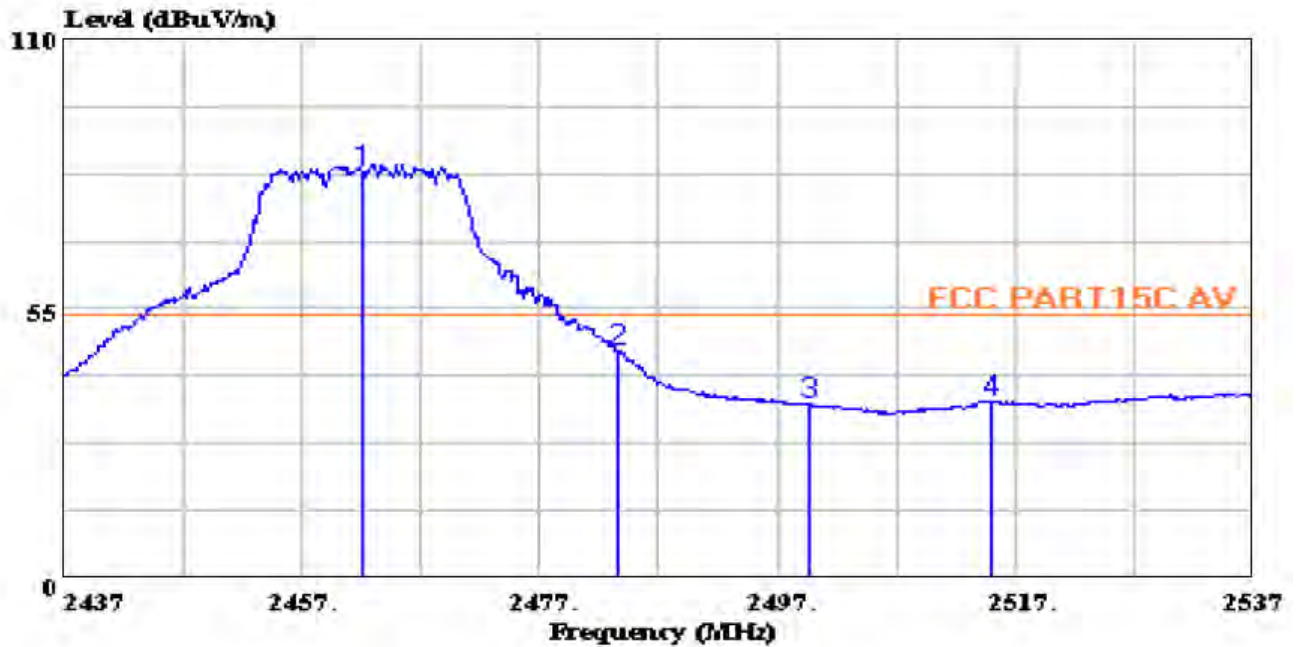
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Data#: 138 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 21:40:24



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m		dBuV/m	dBuV	dB	dB	
1 *	2462.000	82.91	-----	-----	49.11	2.23	31.57	Average
2	2483.500	46.50	-7.50	54.00	12.68	2.23	31.59	Average
3	2499.700	35.49	-18.51	54.00	1.66	2.23	31.60	Average
4	2514.900	36.09	-17.91	54.00	2.25	2.23	31.61	Average



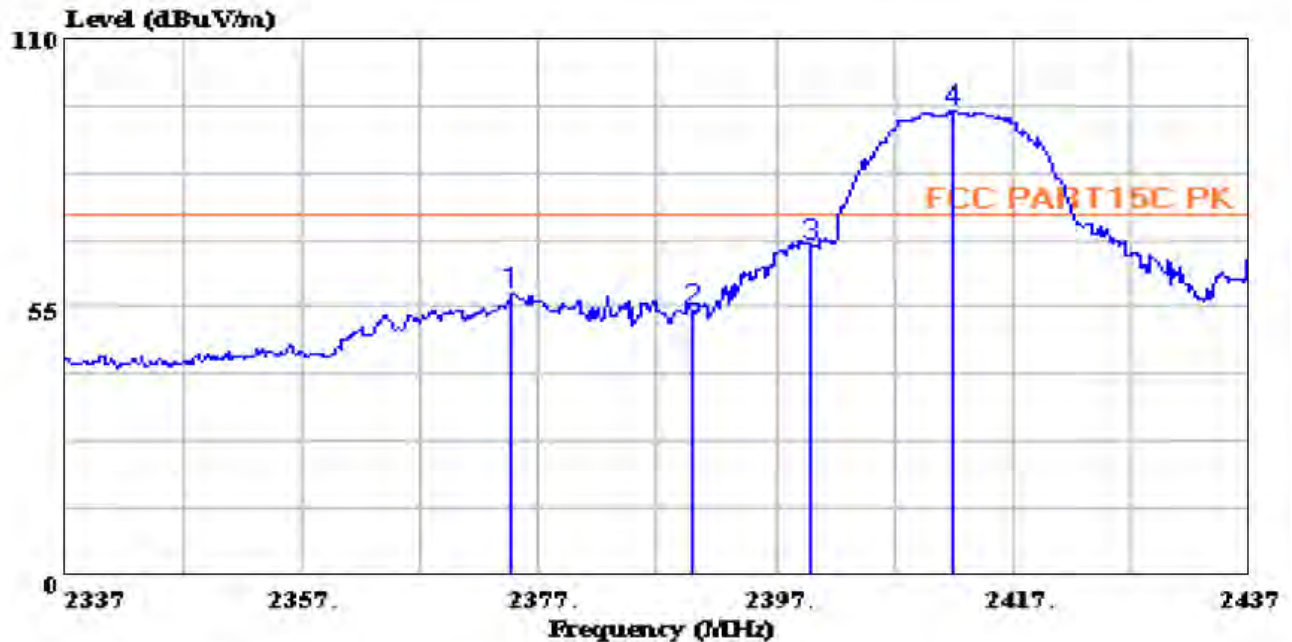
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Data#: 141 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:00:53



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	2374.700	57.60	-16.40	74.00	23.90	2.22	31.48	Peak
2	2390.000	54.14	-19.86	74.00	20.41	2.23	31.50	Peak
3	2400.000	67.73	-6.27	74.00	33.99	2.23	31.51	Peak
4 *	2412.000	95.21	-----	-----	61.46	2.23	31.52	Peak



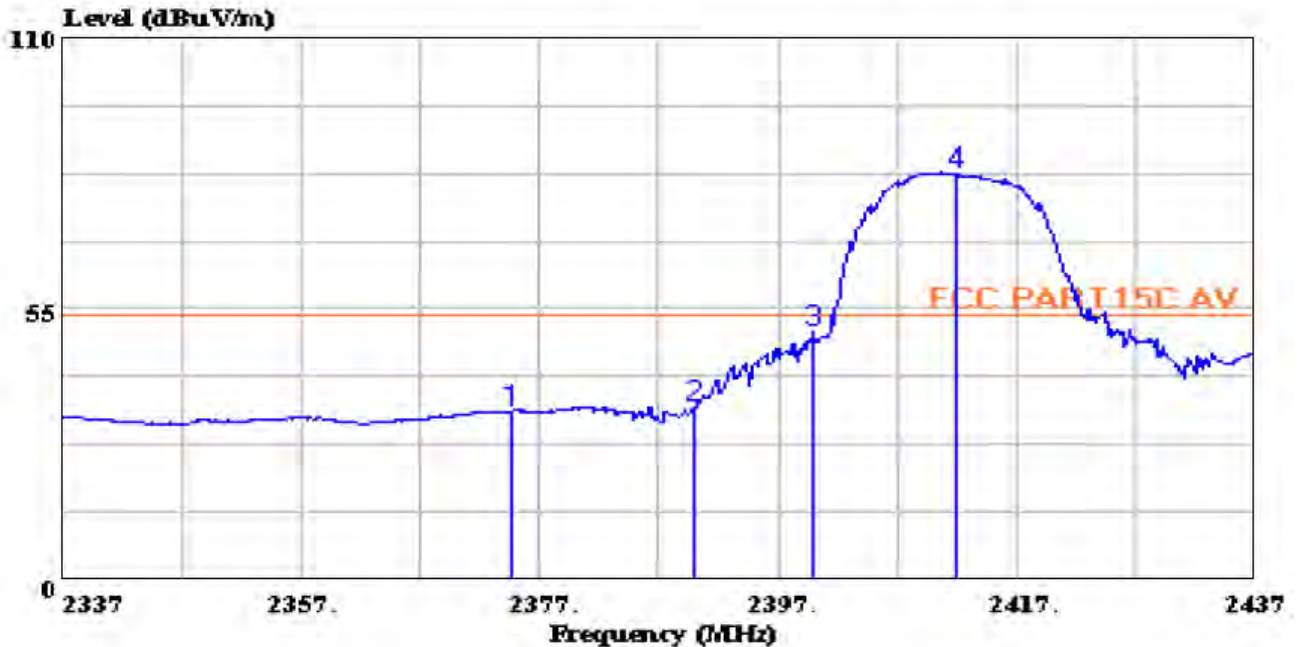
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Data#: 142 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:03:28



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2374.700	34.24	-19.76	54.00	0.54	2.22	31.48	Average
2	2390.000	34.88	-19.12	54.00	1.15	2.23	31.50	Average
3	2400.000	50.23	-3.77	54.00	16.49	2.23	31.51	Average
4 *	2412.000	82.27	-----	-----	48.52	2.23	31.52	Average



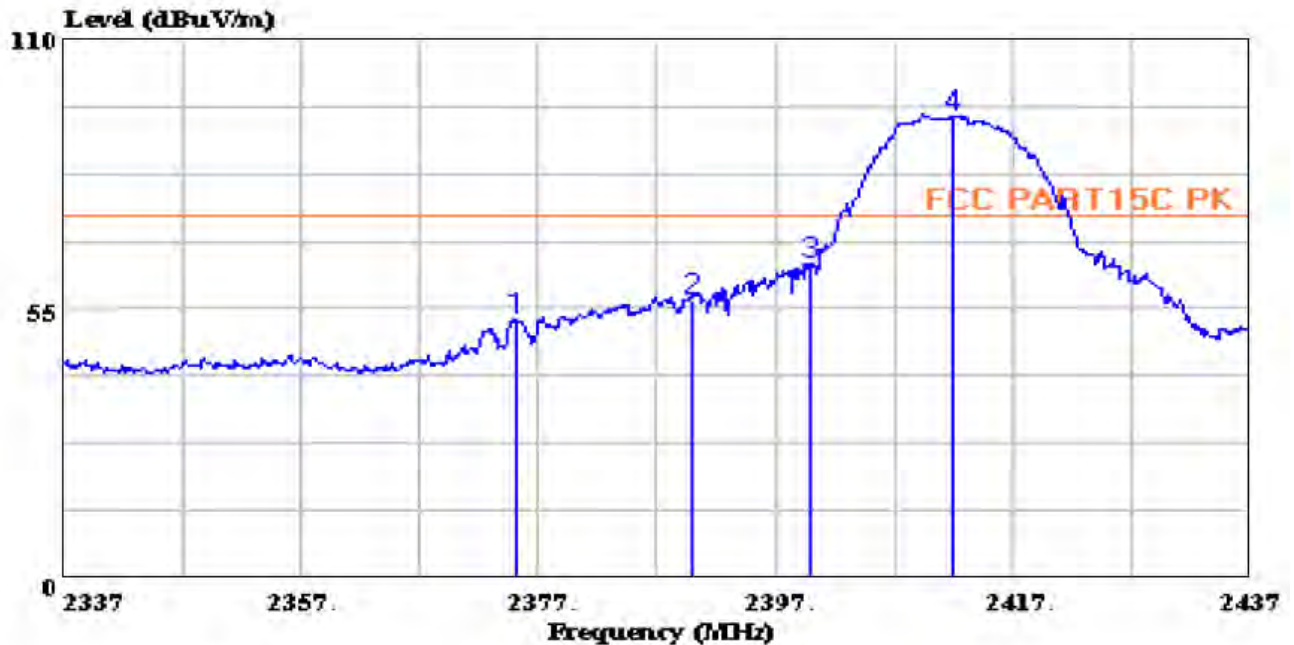
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Data#: 144 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:08:50



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	2375.100	52.54	-21.46	74.00	18.84	2.22	31.48	Peak
2	2390.000	56.55	-17.45	74.00	22.82	2.23	31.50	Peak
3	2400.000	64.35	-9.65	74.00	30.61	2.23	31.51	Peak
4 *	2412.000	94.23	-----	-----	60.48	2.23	31.52	Peak



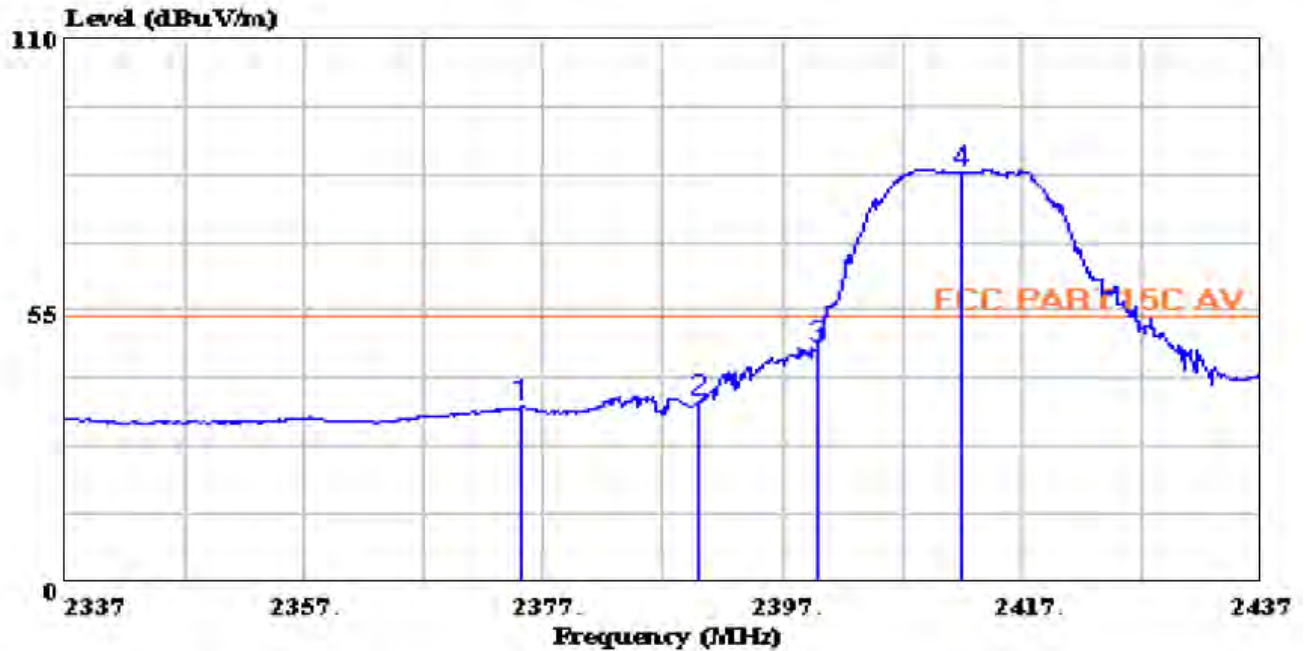
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Data#: 143 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:06:37



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	2375.100	35.33	-18.67	54.00	1.63	2.22	31.48	Average
2	2390.000	36.52	-17.48	54.00	2.79	2.23	31.50	Average
3	2400.000	47.50	-6.50	54.00	13.76	2.23	31.51	Average
4 *	2412.000	82.91	-----	-----	49.16	2.23	31.52	Average



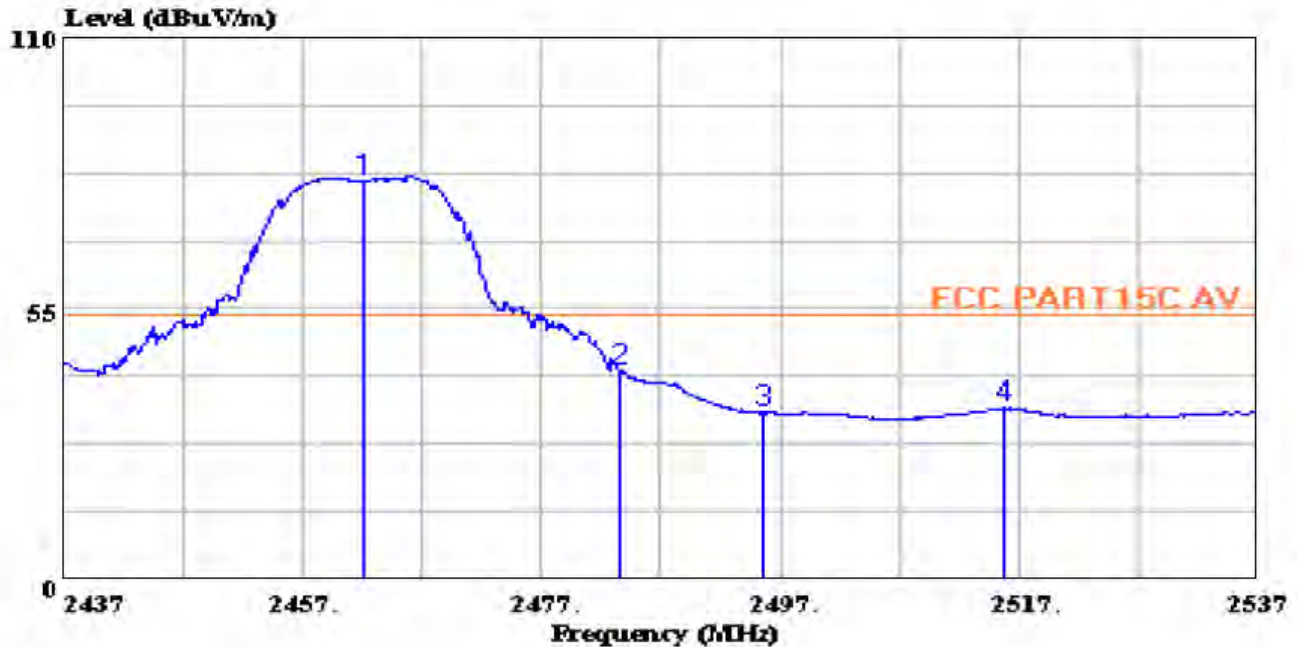
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Data#: 147 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:14:10



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 *	2462.000	80.91	-----	-----	47.11	2.23	31.57	Average
2	2483.500	42.58	-11.42	54.00	8.76	2.23	31.59	Average
3	2495.600	33.84	-20.16	54.00	0.01	2.23	31.60	Average
4	2515.900	34.92	-19.08	54.00	1.08	2.23	31.61	Average



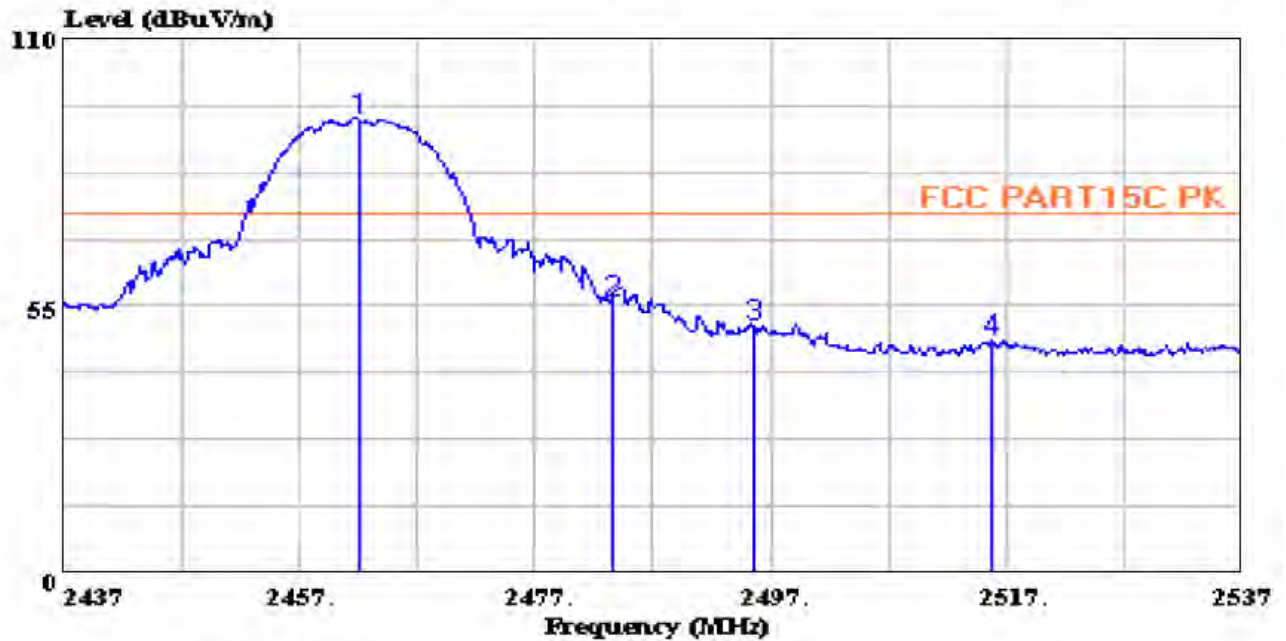
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Data#: 148 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:15:18



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 *	2462.000	93.32	-----	-----	59.52	2.23	31.57	Peak
2	2483.500	55.93	-18.07	74.00	22.11	2.23	31.59	Peak
3	2495.600	50.62	-23.38	74.00	16.79	2.23	31.60	Peak
4	2515.900	47.72	-26.28	74.00	13.88	2.23	31.61	Peak



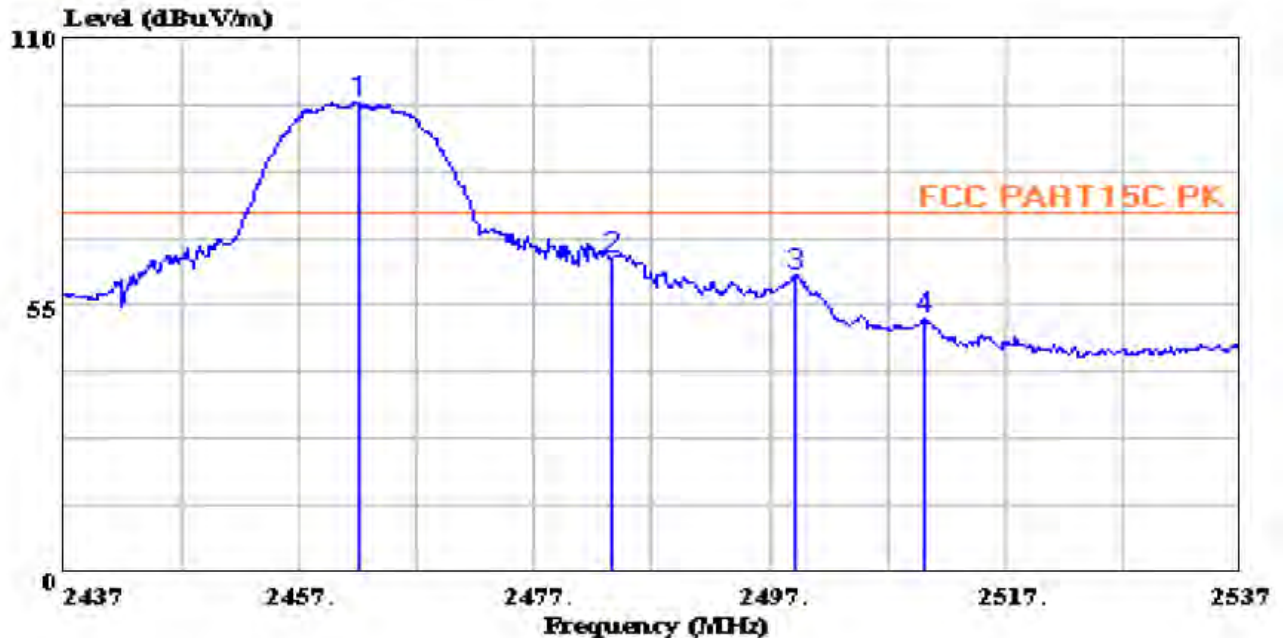
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Data#: 145 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:10:21



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 *	2462.000	96.53	-----	-----	62.73	2.23	31.57	Peak
2	2483.500	64.70	-9.30	74.00	30.88	2.23	31.59	Peak
3	2499.200	60.99	-13.01	74.00	27.16	2.23	31.60	Peak
4	2510.200	52.26	-21.74	74.00	18.42	2.23	31.61	Peak



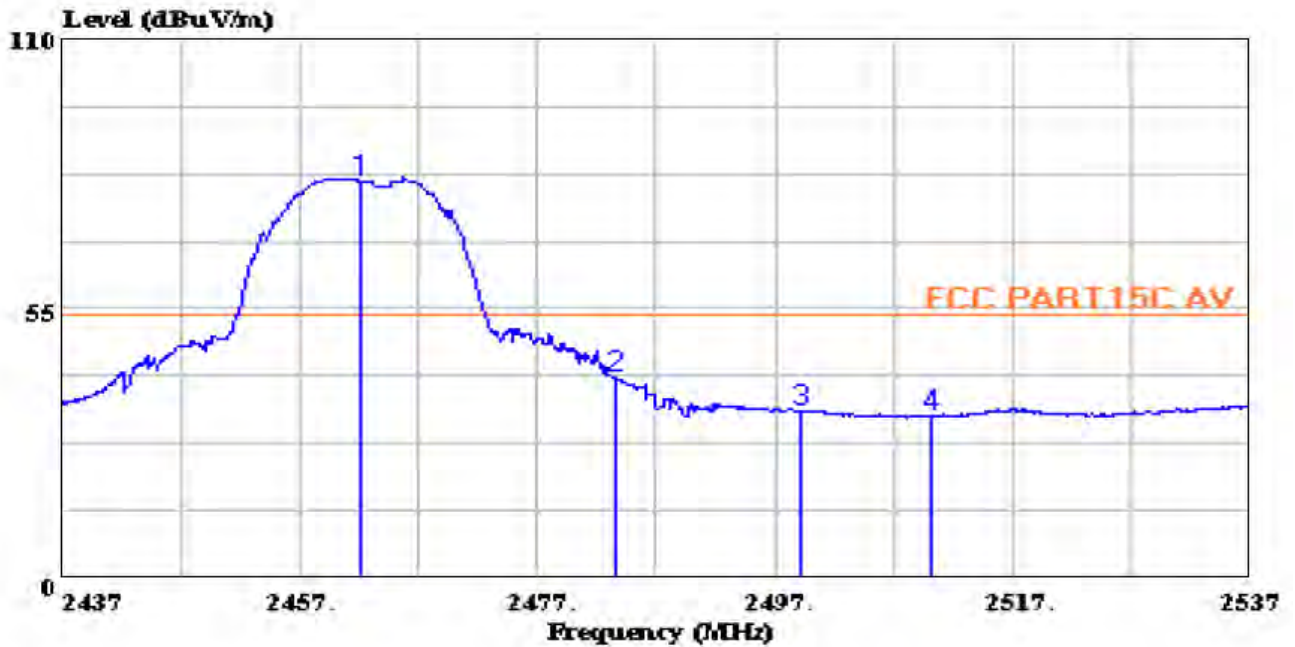
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NS Electromagnetic Technology Co.,Ltd

Chenwu Industrial Zone,
Houjie Town, Dongguan,
Guangdong, China
Tel: 0769-85935656
Fax: 0769-85991080
www.nsemcsafety.com
www.nsco.cn

Data#: 146 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-21 Time: 22:11:43



Site : 966 Chamber
Condition : FCC PART15C AV 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 *	2462.000	81.06	-----	-----	47.26	2.23	31.57	Average
2	2483.500	40.73	-13.27	54.00	6.91	2.23	31.59	Average
3	2499.200	34.26	-19.74	54.00	0.43	2.23	31.60	Average
4	2510.200	33.02	-20.98	54.00	0.82	2.23	31.61	Average



4.6. POWER SPECTRAL DENSITY TEST

4.6.1. Test procedure

1. Connect EUT RF output port to the spectrum analyzer through an RF attenuator.
2. Set the EUT work on the CH1, CH6, CH11 individually.
3. The power density was measured by spectrum analyzer with 3 KHz RBW and 10KHz VBW, sweep time=span/3KHz
4. Set SPA trace max hold, then view.

4.6.2. Test result

PASS.

Test mode: IEEE 802.11b TX (Transmission Rate:11 Mbps)

Test CH	Read(PK) (dBm/ 3KHz)	Cable loss(dB)	Result (dBm/3KHz)	Limit (dBm/3KHz)	Conclusion
1	-25.83	0.6	-25.23	8	PASS
6	-25.74	0.6	-25.14	8	PASS
11	-25.29	0.6	-24.69	8	PASS

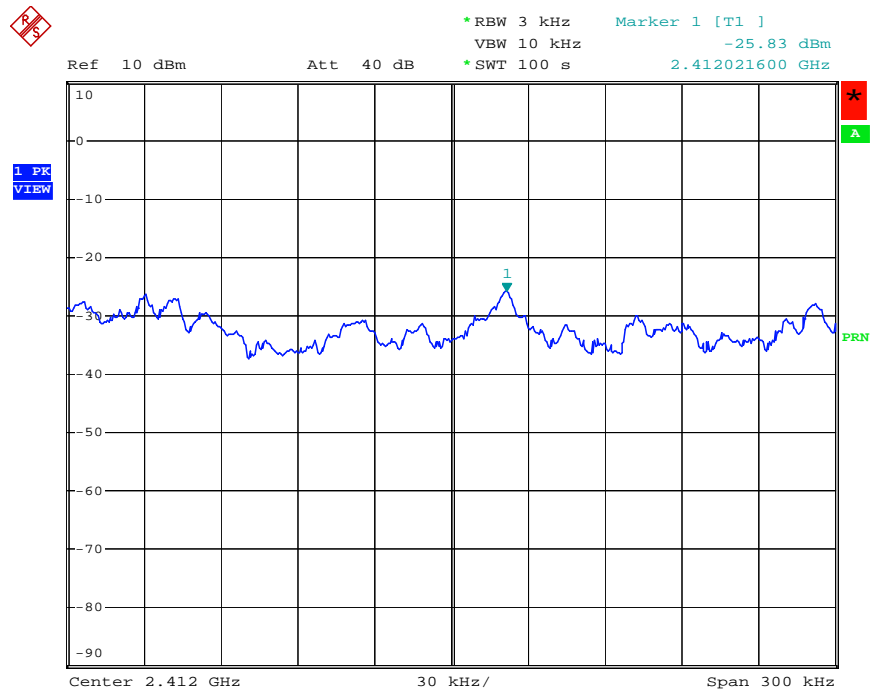
Test mode: IEEE 802.11g TX (Transmission Rate:54 Mbps)

Test CH	Read (dBm/ 3KHz)	Cable loss(dB)	Result (dBm)	Limit (dBm)	Conclusion
1	-21.17	0.6	-20.57	8	PASS
6	-21.35	0.6	-20.75	8	PASS
11	-20.90	0.6	-20.30	8	PASS

The test plots as following:

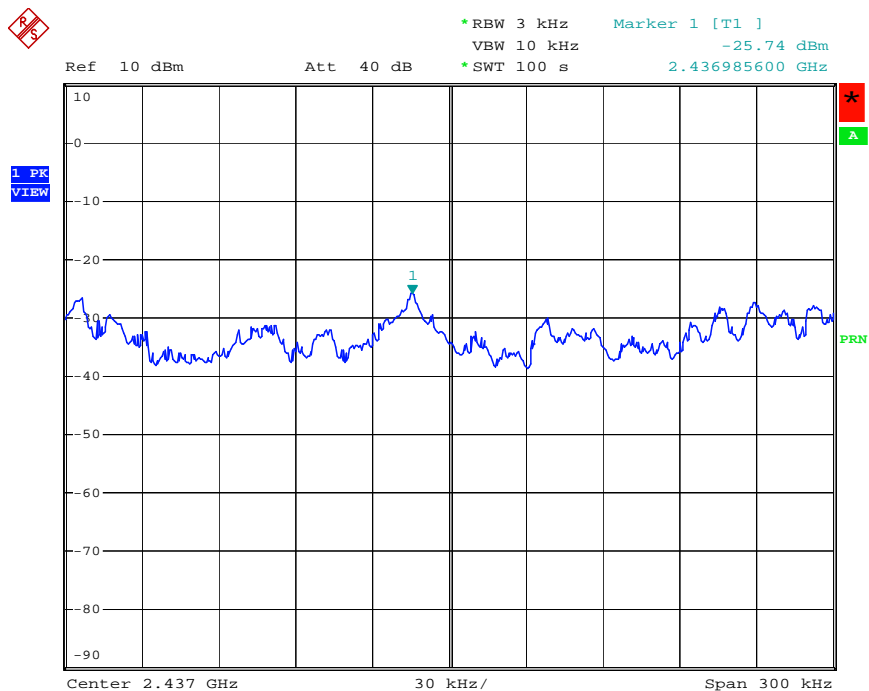
Test Mode: IEEE 802.11b TX (Transmission Rate:11 Mbps)

Test CH1: 2412MHz



Date: 6.OCT.2008 14:08:56

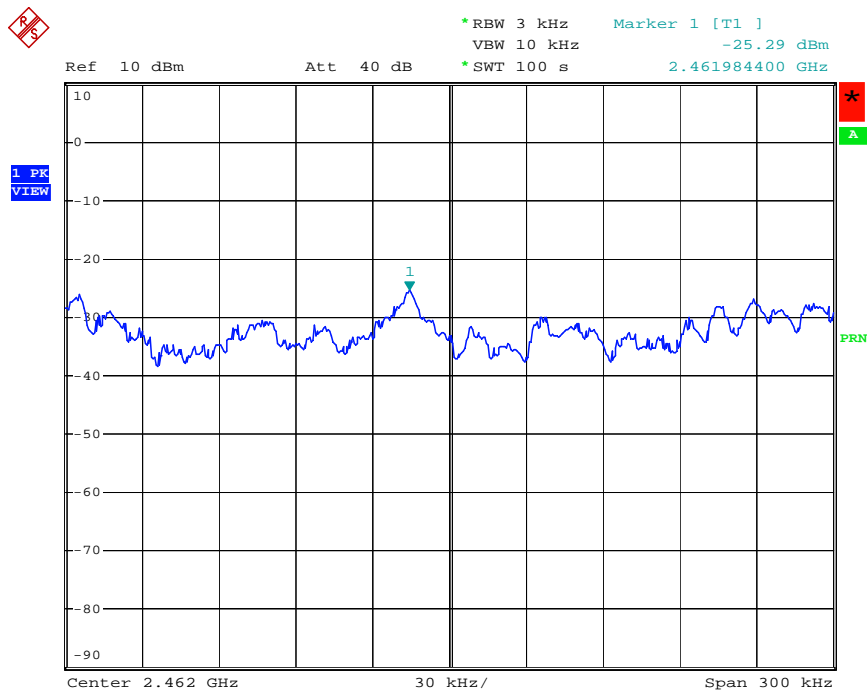
Test CH6: 2437MHz



Date: 6.OCT.2008 14:11:34



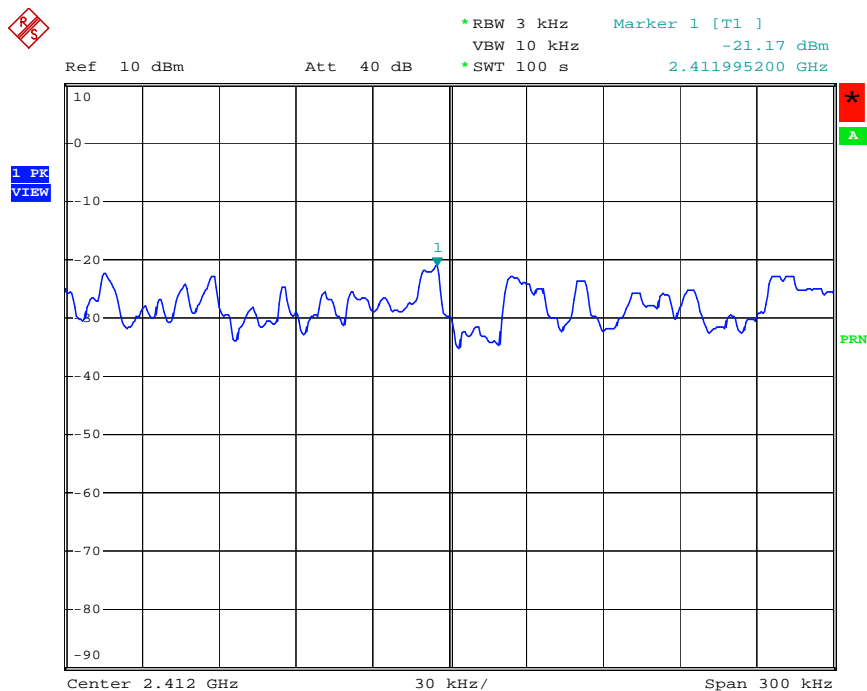
Test CH11: 2462MHz



Date: 6.OCT.2008 14:12:18

Test Mode: IEEE 802.11g TX (Transmission Rate:54 Mbps)

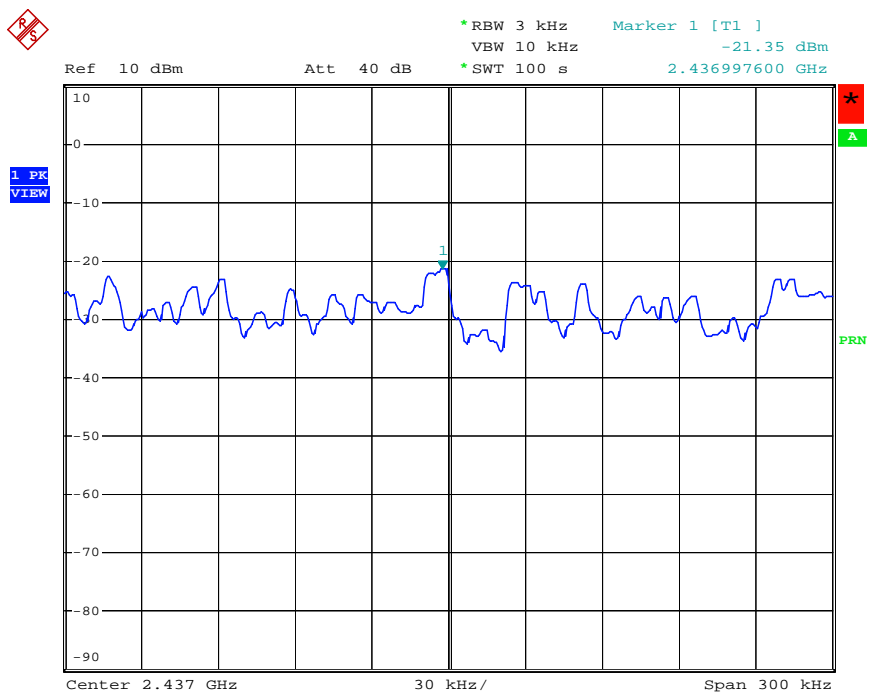
Test CH1: 2412MHz



Date: 6.OCT.2008 14:06:04

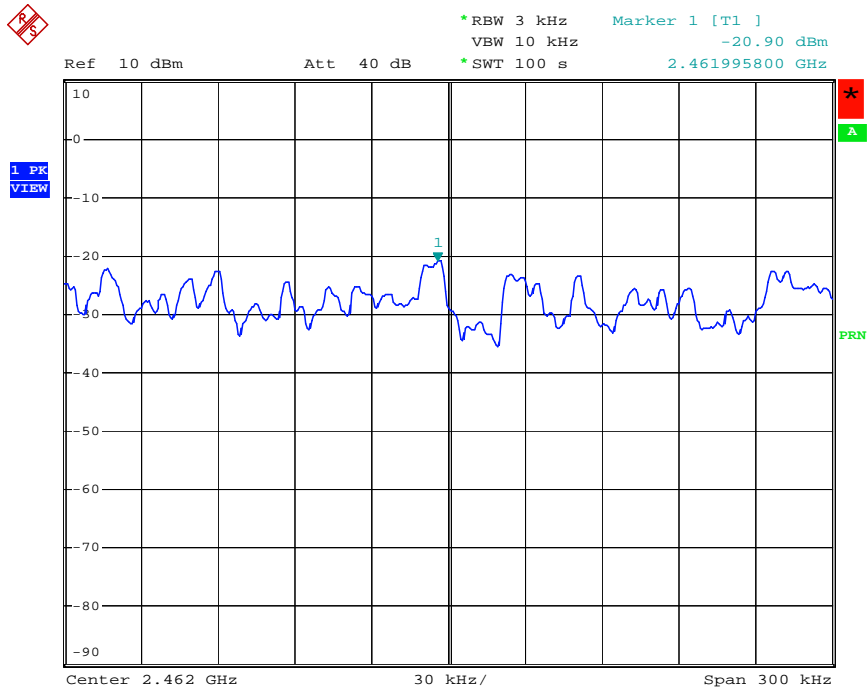


Test CH6: 2437MHz



Date: 6.OCT.2008 14:07:00

Test CH11: 2462MHz



Date: 6.OCT.2008 14:07:49



4.7. ANTENNA REQUIREMENT

4.7.1.STANDARD APPLICABLE

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.

4.7.2.ANTENNA CONNECTED CONSTRUCTION

The antenna used for this product is designed that no antenna other than that furnished by the responsible party shall be used with the device. The maximum peak Gain of this antenna is only 2dBi.

4.7.3.DEVIATION TO TEST SPECIFICATIONS

[NONE]

4.8. Radiated Emission

4.8.1. Test limits

- 1) FCC part 15C section 15.209
- 2) FCC part 15C section 15.247(d)

4.8.2. Test procedure

The EUT was placed on a turn table which was 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna which was mounted on a antenna tower.

At the frequency band of 30MHz to 1GHz, The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 to 4 m for horizontal and vertical polarizations. The broadband antenna (calibrated by dipole antenna) was used as a receiving antenna.

At the frequency band of 1GHz to 25GHz, The measuring antenna moved from 1 to 4 m for horizontal and vertical polarization. The horn antenna was used as a receiving antenna. The resolution bandwidth and video bandwidth of the test receiver was 120 KHz and 300KHz for Quasi-peak detection at frequency below 1GHz.

The resolution bandwidth and video bandwidth of the test receiver was 1MHz and 1MHz for Peak detection at frequency above 1GHz.

For Average measurement at frequency above 1GHz. The resolution bandwidth of the test receiver was 1MHz ; due to the shortest pulse width T is 116us, according the video bandwidth should not smaller than $1/T$, so the video bandwidth is 10Hz.

In 18GHz to 25GHz, The EUT was checked by Horn ANT . But the test result is background.

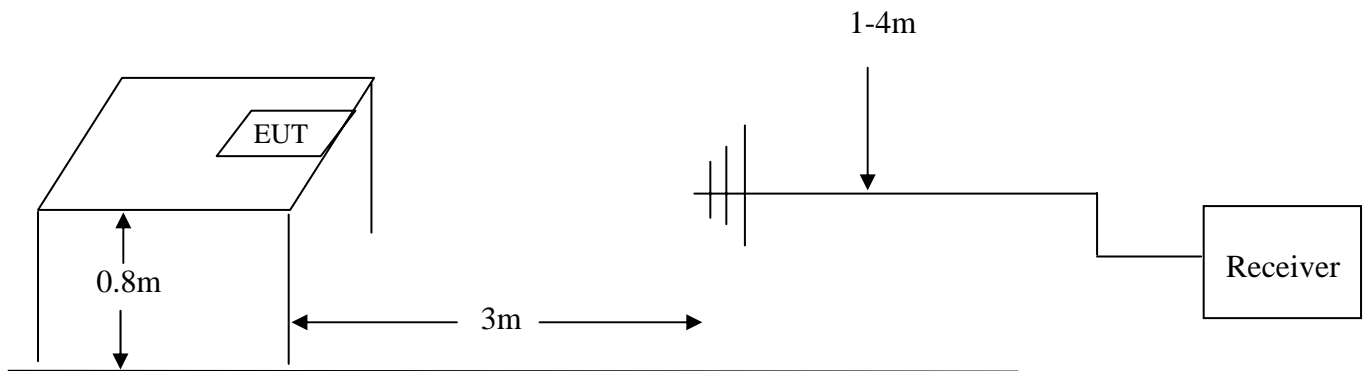
The EUT position(X. Y. Z) were checked and worse case was happened in Y position. So Y position was chose for find measurement.

When the EUT during testing through USB cable connect to PC mode is worse case. compared with direct insert into the PC mode.

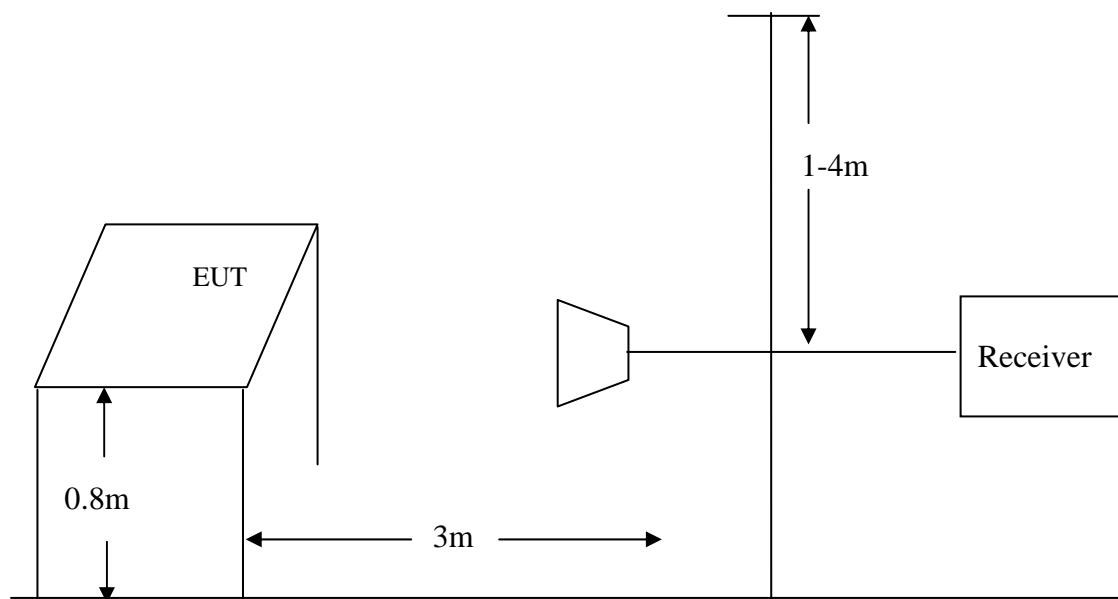
The EUT was tested in Chamber Site.

4.8.3. Test Setup Diagram

4.8.3.1. Frequency range: 30MHz-1000MHz



4.8.3.2. Frequency range: 1 GHz -25GHz



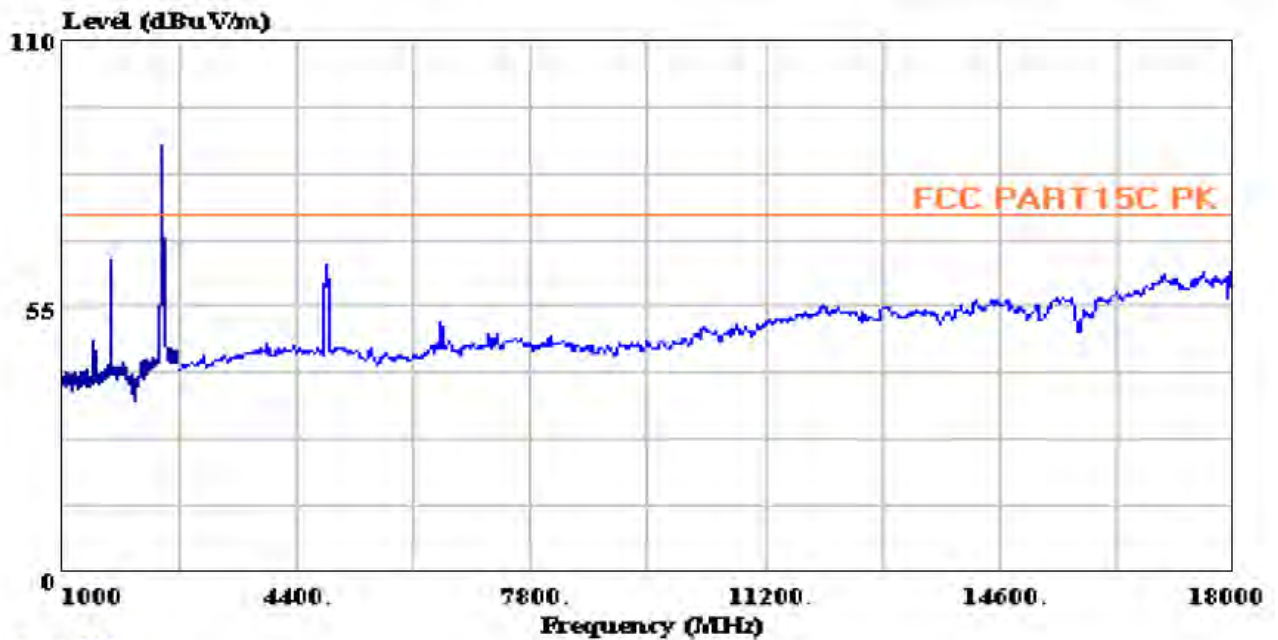
Test plots of EUT direct insert into the PC mode

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www.nscq.cn

Data#: 151 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:13:01



Trace: 150

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

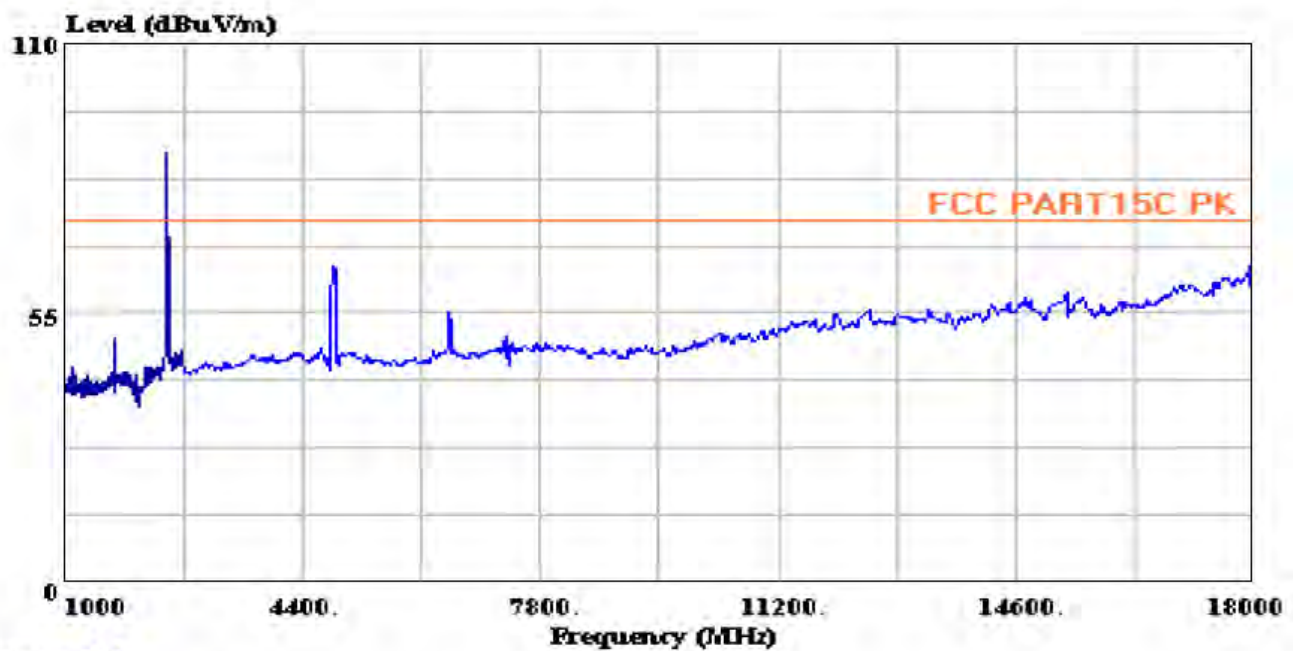


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www.nscq.cn

Data#: 153 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:17:2



Trace: 152

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz



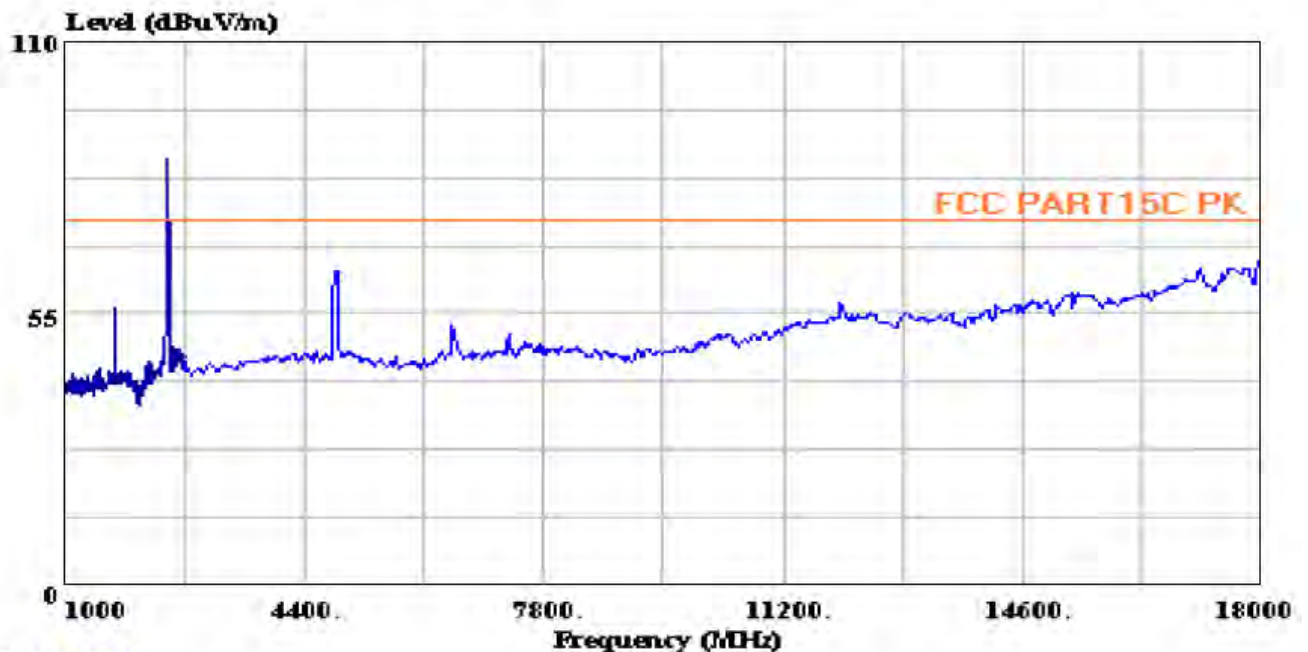
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Guangdong, China
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Data#: 155 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:20:47

**Trace: 154**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz



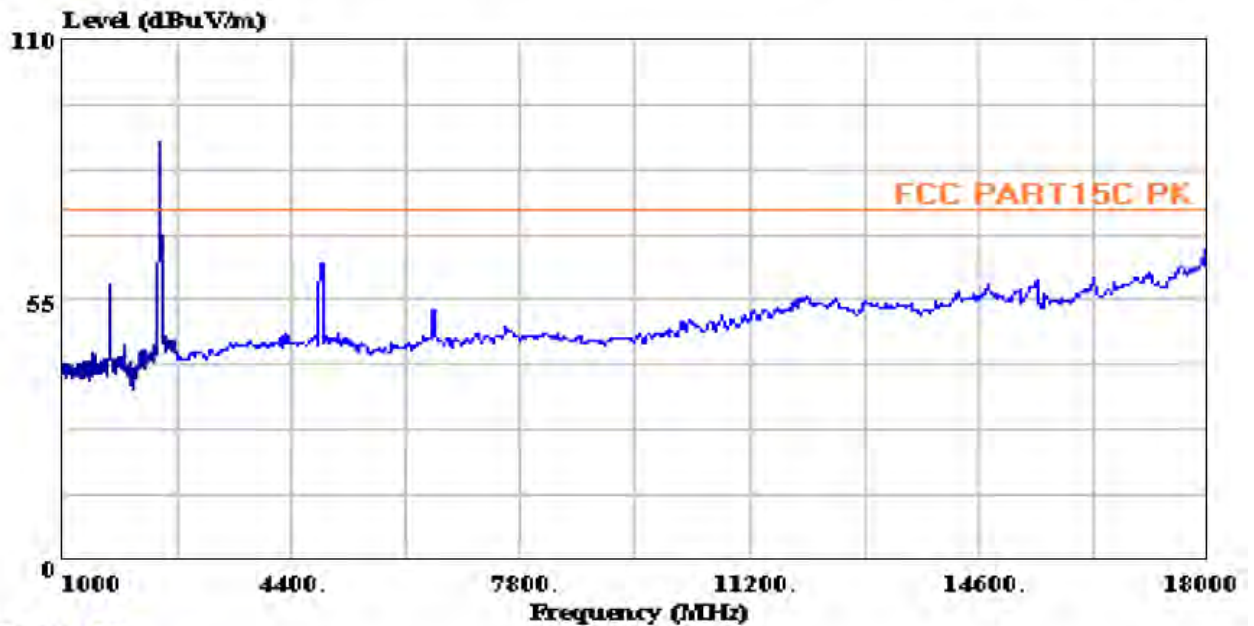
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Data#: 157 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:23:12

**Trace: 156**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz



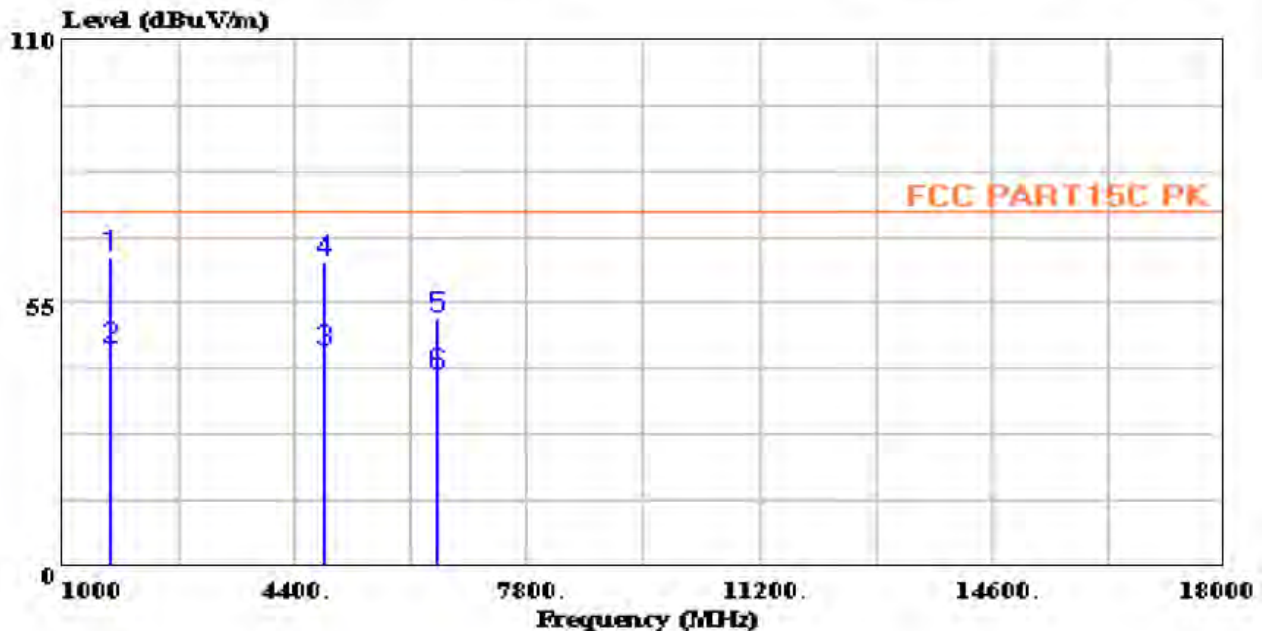
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Data#: 176 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:13:01



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1700.560	64.40	-9.60	74.00	33.14	2.17	29.09	Peak
2	1700.560	45.36	-8.64	54.00	14.10	2.17	29.09	Average
3	4809.480	44.67	-9.33	54.00	7.71	2.38	34.58	Average
4	4809.480	63.72	-10.28	74.00	26.76	2.38	34.58	Peak
5	6494.680	52.03	-21.97	74.00	12.95	2.48	36.60	Peak
6	6494.680	40.01	-13.99	54.00	0.93	2.48	36.60	Average



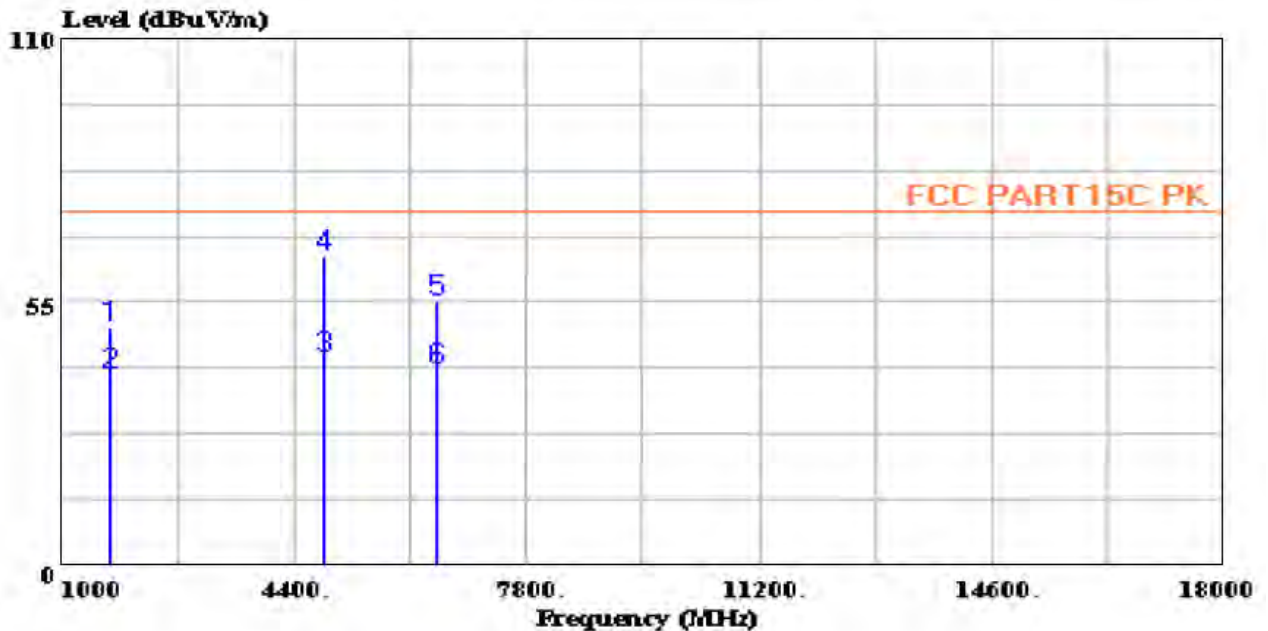
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Data#: 177 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:17:20



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1695.520	49.91	-24.09	74.00	18.65	2.17	29.09	Peak
2	1695.520	40.01	-13.99	54.00	8.75	2.17	29.09	Average
3	4824.800	43.21	-10.79	54.00	6.24	2.38	34.59	Average
4	4824.800	64.65	-9.35	74.00	27.68	2.38	34.59	Peak
5	6494.680	55.46	-18.54	74.00	16.38	2.48	36.60	Peak
6	6494.680	40.83	-13.17	54.00	1.75	2.48	36.60	Average



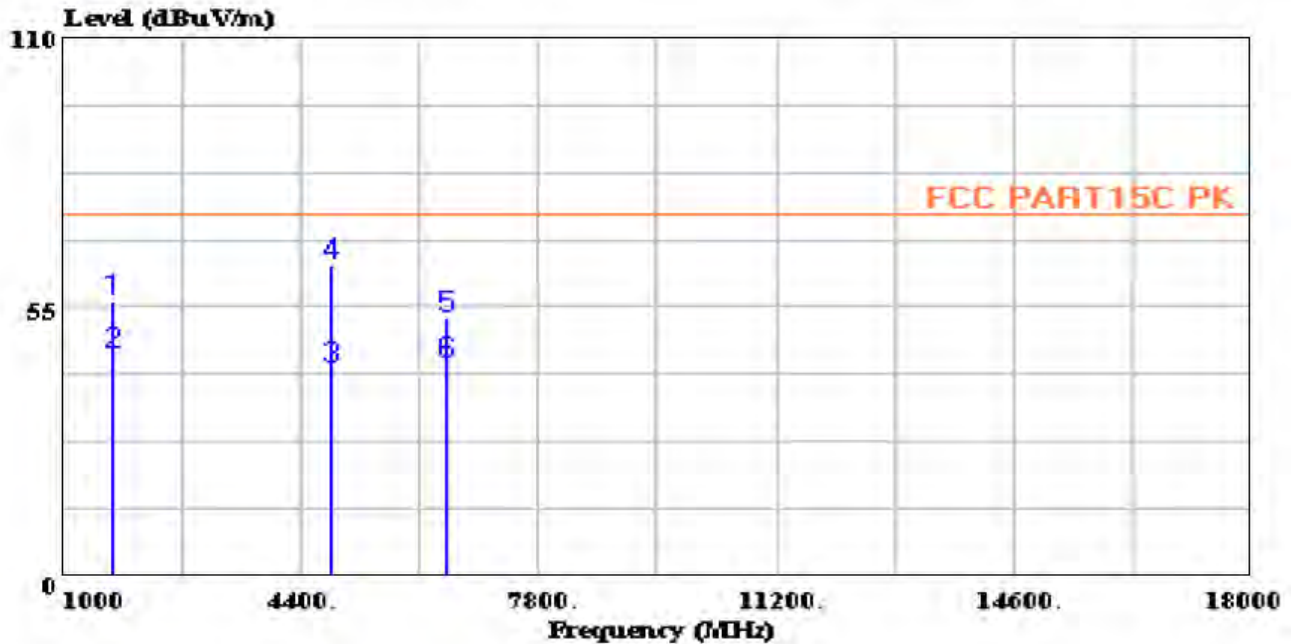
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Data#: 178 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:20:47



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1690.480	56.27	-17.73	74.00	25.01	2.17	29.09	Peak
2	1690.480	45.31	-8.69	54.00	14.05	2.17	29.09	Average
3	4824.800	42.35	-11.65	54.00	5.38	2.38	34.59	Average
4	4824.800	63.52	-10.48	74.00	26.55	2.38	34.59	Peak
5	6494.680	52.90	-21.10	74.00	13.82	2.48	36.60	Peak
6	6494.680	43.32	-10.68	54.00	4.24	2.48	36.60	Average



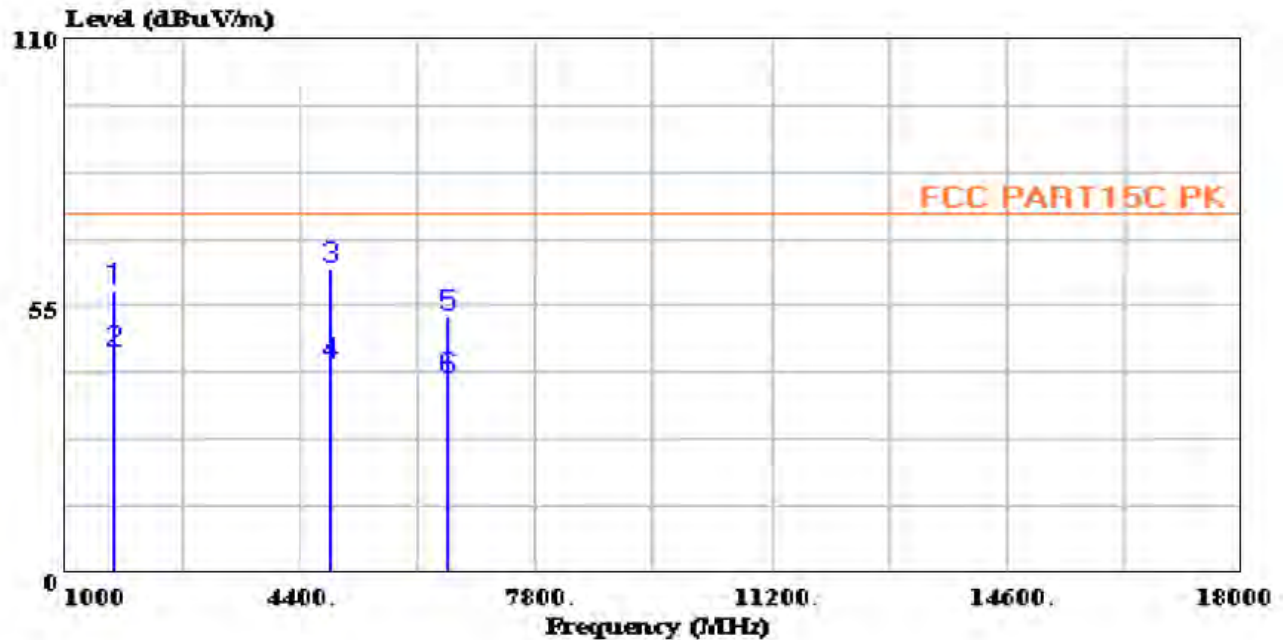
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Data#: 179 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:23:12



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1695.520	58.41	-15.59	74.00	27.15	2.17	29.09	Peak
2	1695.520	45.30	-8.70	54.00	14.04	2.17	29.09	Average
3	4824.800	62.87	-11.13	74.00	25.90	2.38	34.59	Peak
4	4824.800	43.01	-10.99	54.00	6.04	2.38	34.59	Average
5	6510.000	53.02	-20.98	74.00	13.93	2.48	36.61	Peak
6	6510.000	40.12	-13.68	54.00	1.03	2.48	36.61	Average



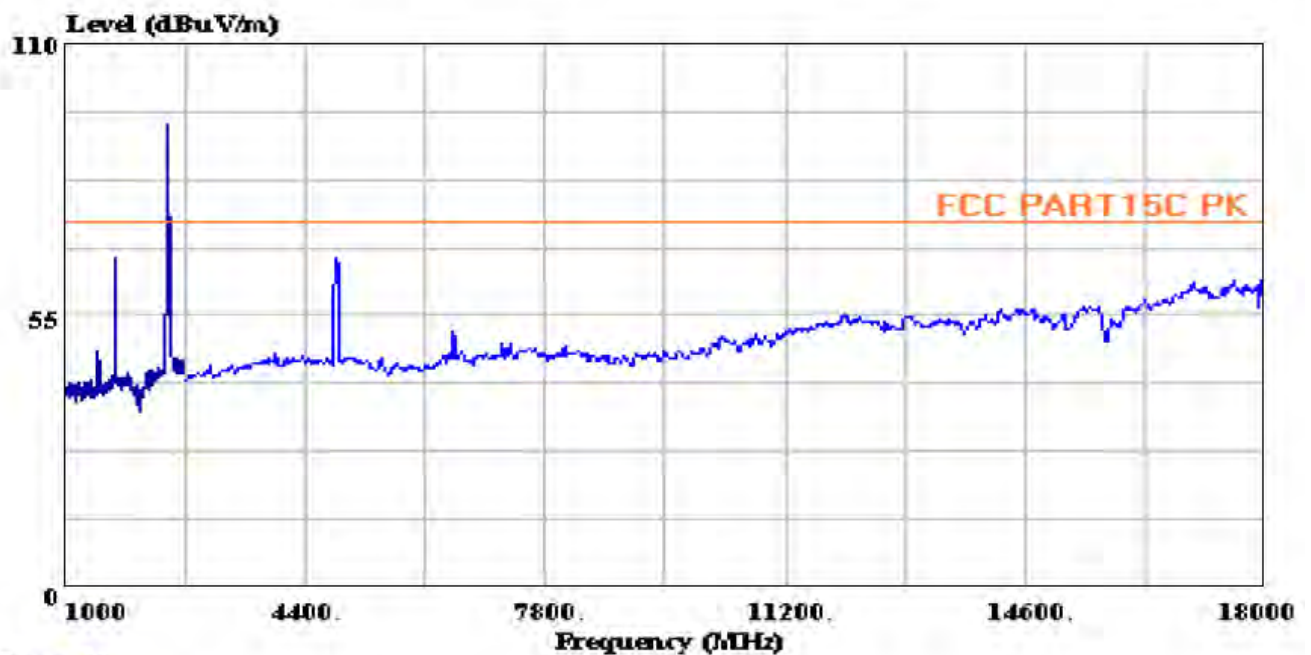
Test plots of EUT through USB cable connect to PC and position Y mode

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Data#: 89 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:19:01



Trace: 88

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz



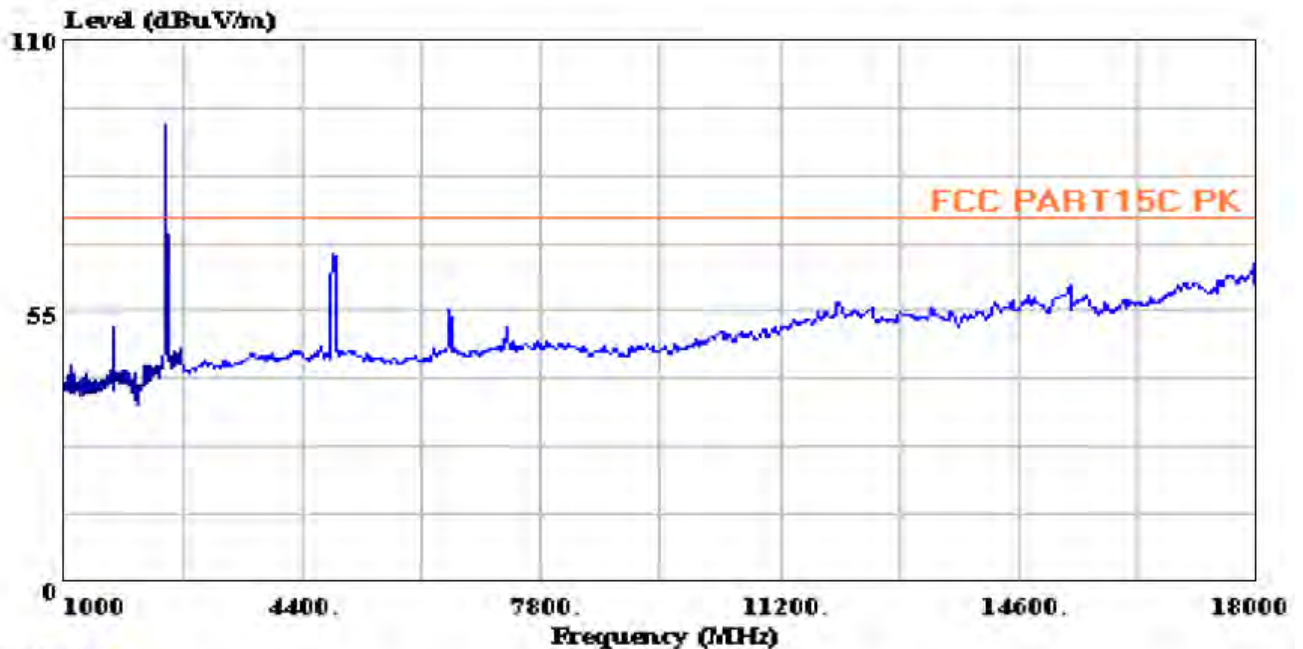
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Data#: 91 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:27:14

**Trace: 90**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz



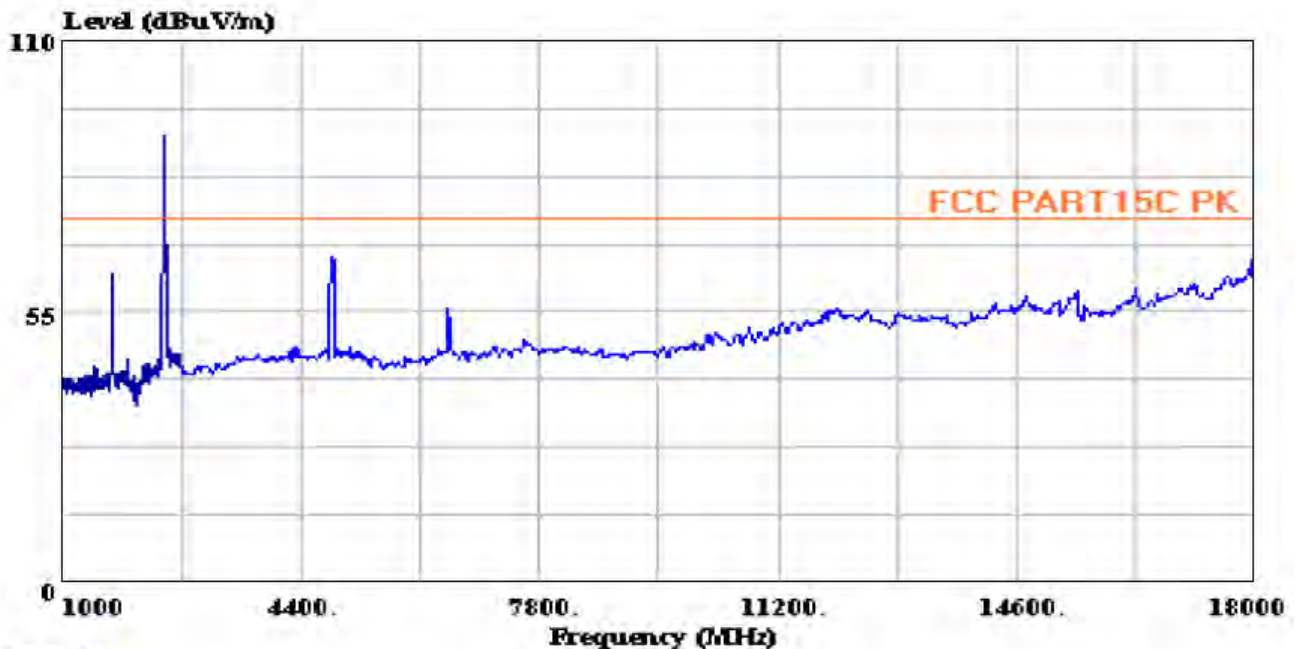
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Data#: 95 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:33:12

**Trace: 94**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

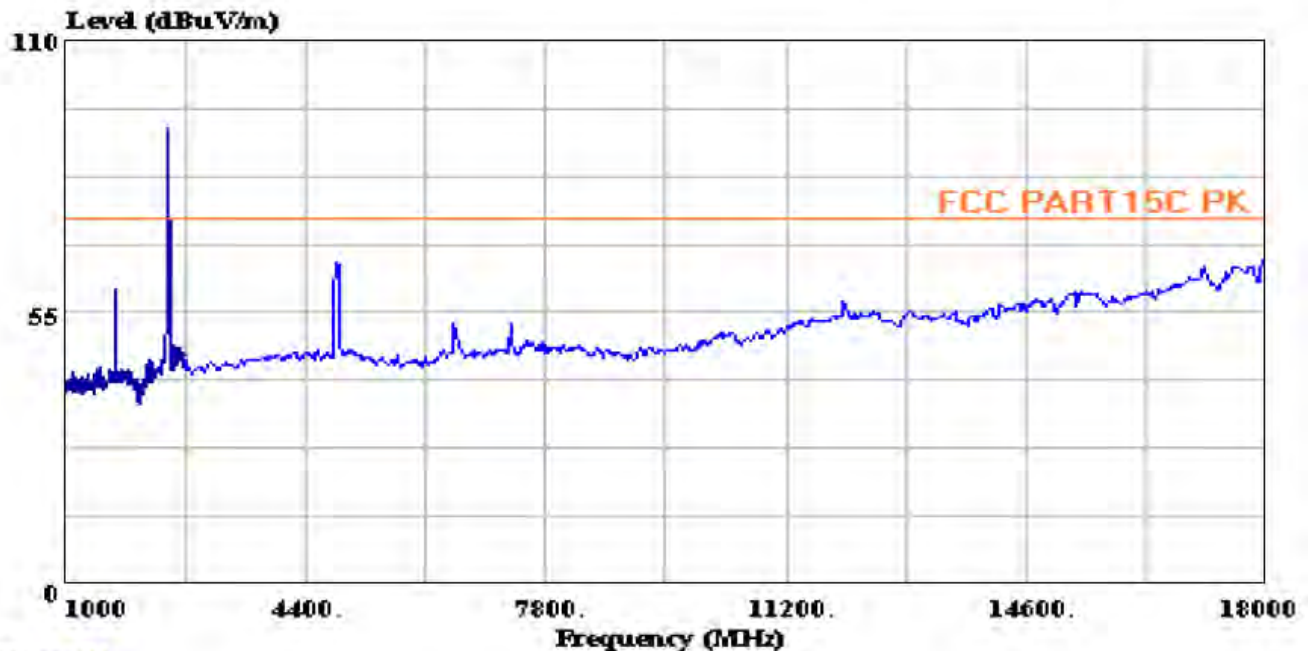


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Fax: 0769-85991080
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www.nscsco.cn

Data#: 93 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:31:47

**Trace: 92**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz



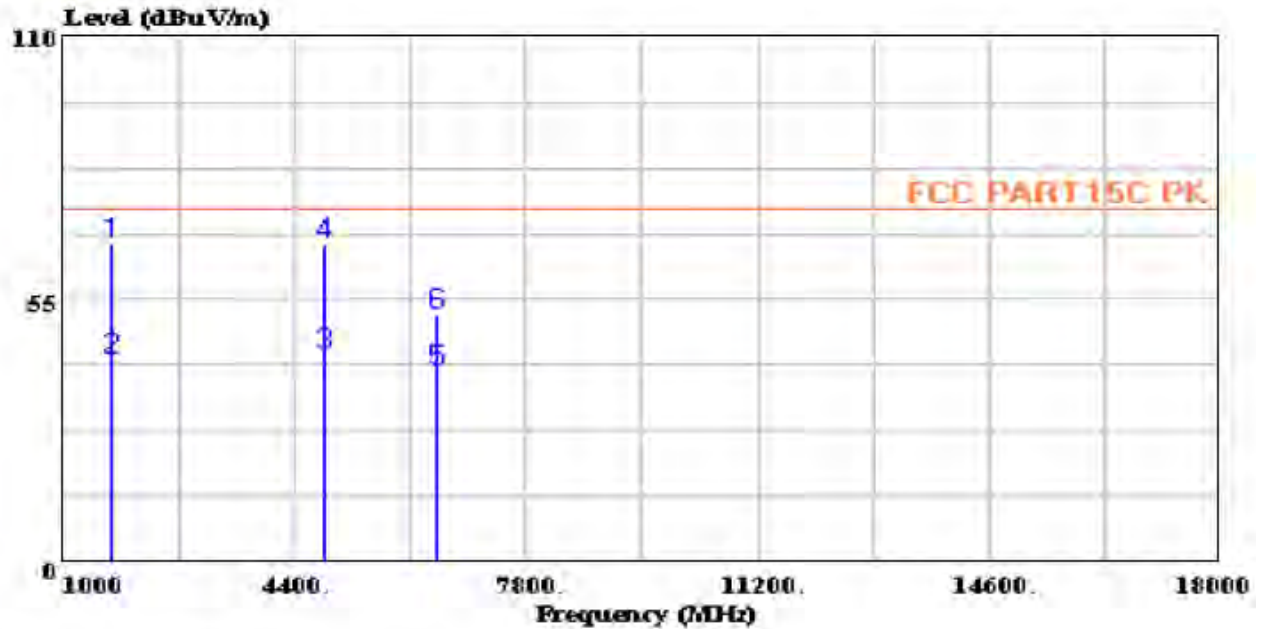
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Tel: 0769-85935656
Fax: 0769-85991080
Http://www.nseco.cn

Data#: 113 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:19:01



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1700.560	66.41	-7.59	74.00	35.15	2.17	29.09	Peak
2	1700.560	46.35	-7.65	54.00	15.09	2.17	29.09	Average
3	4809.480	43.36	-10.64	54.00	6.40	2.38	34.58	Average
4	4809.480	66.72	-7.28	74.00	29.76	2.38	34.58	Peak
5	6494.480	40.01	-13.99	54.00	0.93	2.48	36.60	Average
6	6494.680	52.03	-21.97	74.00	12.95	2.48	36.60	Peak



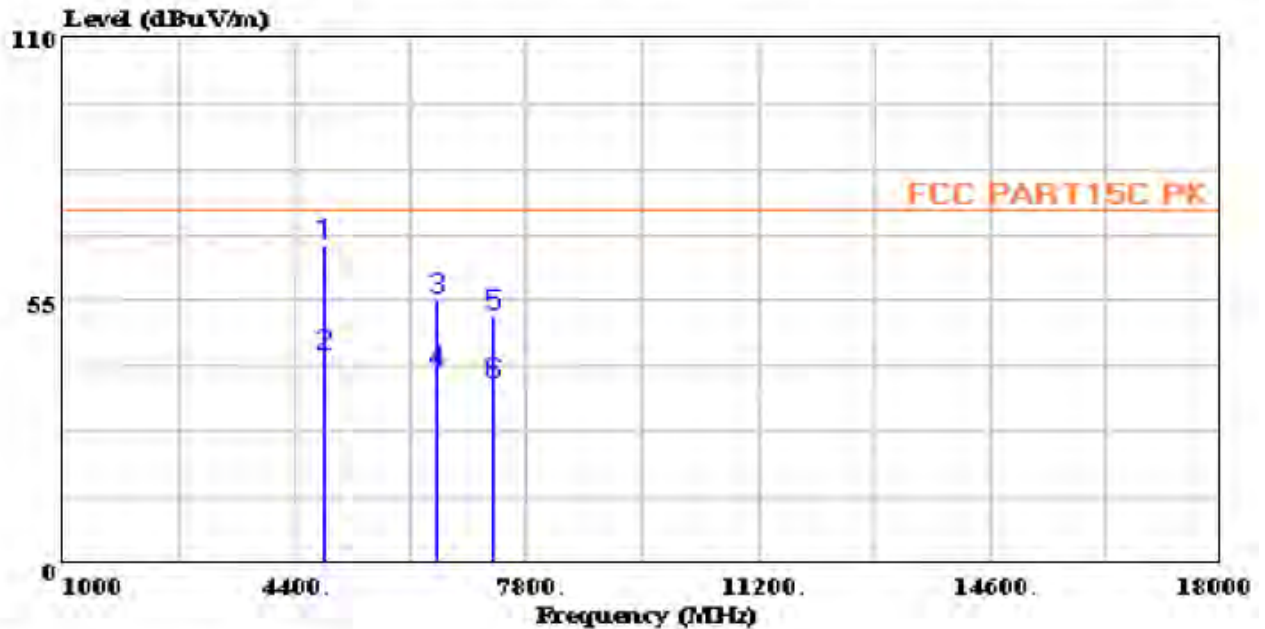
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NS Electromagnetic Technology Co.,Ltd

Chenwu Industrial Zone,
Houjie Town, Dongguan,
Guangdong, China
Tel: 0769-85935656
Fax: 0769-85991080
Http://www.nscq.cn

Data#: 114 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:27:14



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	4809.480	66.51	-7.49	74.00	29.55	2.38	34.58	Peak
2	4809.480	43.47	-10.53	54.00	6.51	2.38	34.58	Average
3	6494.680	55.46	-18.54	74.00	16.38	2.48	36.60	Peak
4	6494.680	40.18	-13.82	54.00	1.10	2.48	36.60	Average
5	7306.640	51.84	-22.16	74.00	12.47	2.53	36.84	Peak
6	7306.640	37.58	-16.42	54.00	-1.79	2.53	36.84	Average



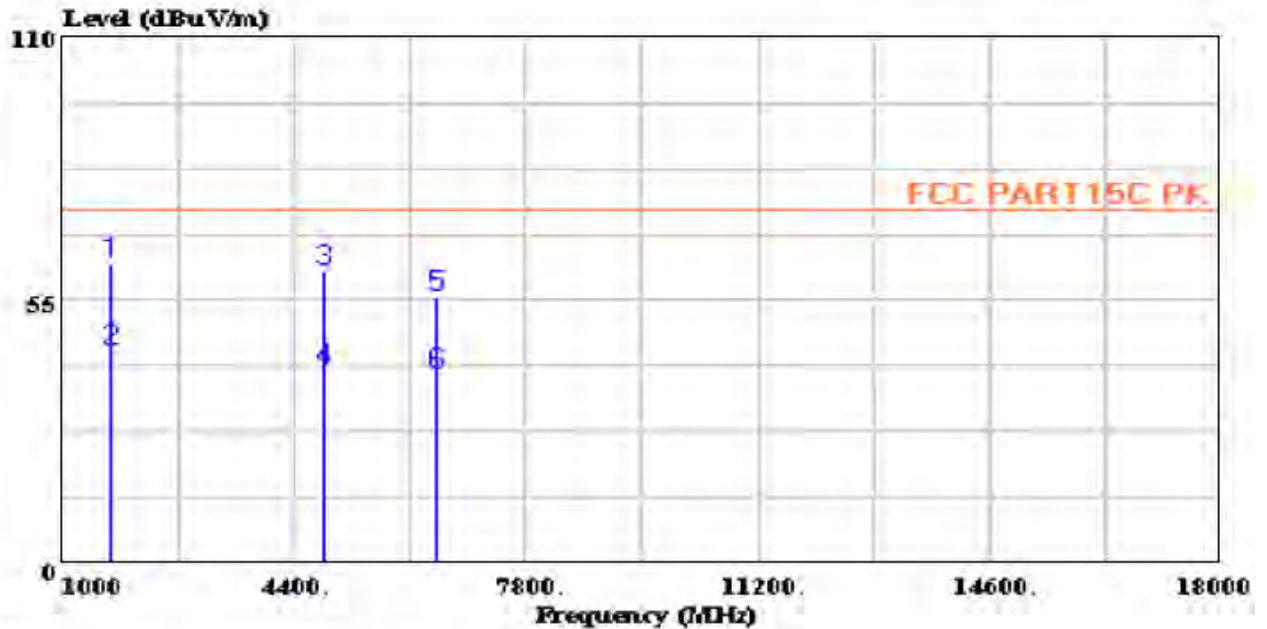
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Tel: 0769-85935656
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Http://www.nscd.cn

Data#: 116 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:33:12



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1695.520	62.41	-11.59	74.00	31.15	2.17	29.09	Peak
2	1695.520	44.36	-9.64	54.00	13.10	2.17	29.09	Average
3	4809.480	61.00	-13.00	74.00	24.04	2.38	34.58	Peak
4	4809.480	44.21	-9.79	54.00	7.25	2.38	34.58	Average
5	6494.680	55.92	-18.08	74.00	16.84	2.48	36.60	Peak
6	6494.680	39.60	-14.40	54.00	0.52	2.48	36.60	Average



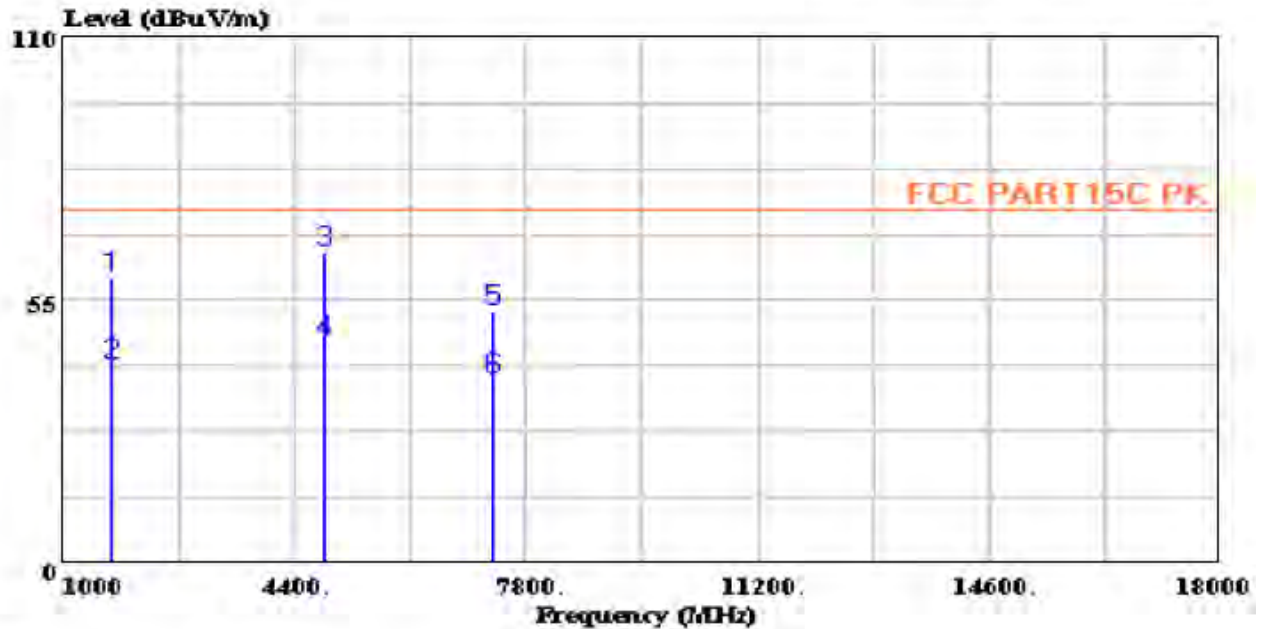
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Tel: 0769-85935656
Fax: 0769-85991080
Http://www.nasco.cn

Data#: 115 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:31:47



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/W : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1700.580	59.88	-14.12	74.00	28.62	2.17	29.09	Peak
2	1700.580	41.23	-12.77	54.00	9.97	2.17	29.09	Average
3	4809.480	65.10	-8.90	74.00	28.14	2.38	34.58	Peak
4	4809.480	46.31	-7.69	54.00	9.35	2.38	34.58	Average
5	7306.640	52.83	-21.17	74.00	13.46	2.53	36.84	Peak
6	7306.640	38.34	-15.66	54.00	-1.03	2.53	36.84	Average



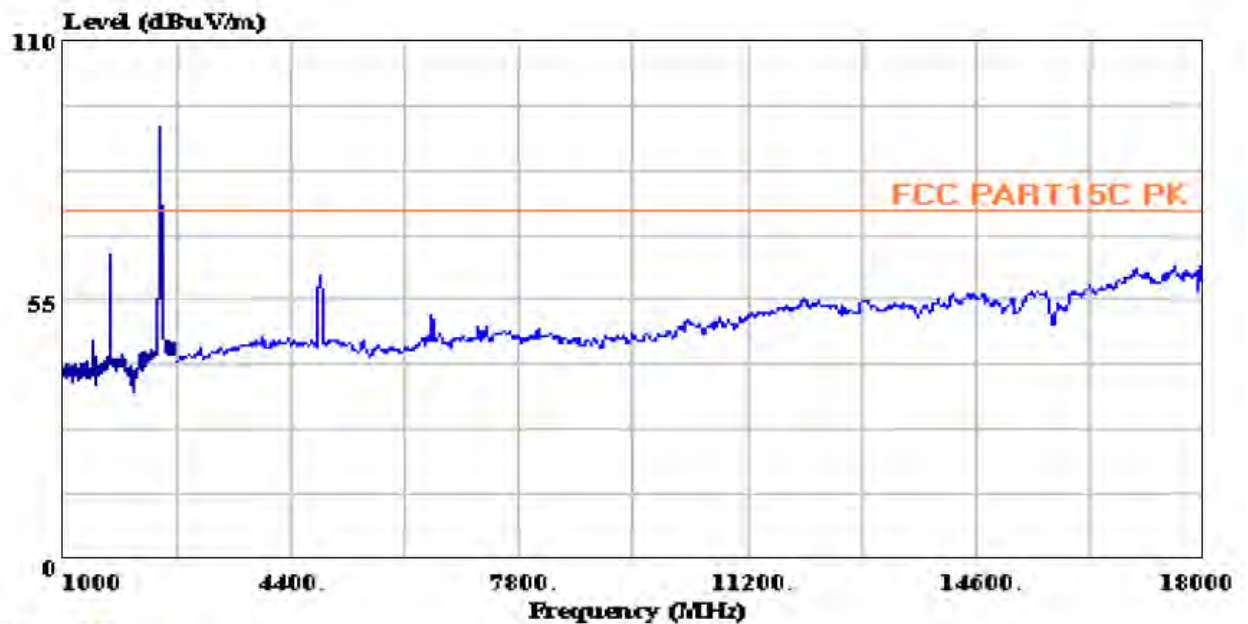
Test plots of EUT through USB cable connect to PC and position X mode

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www.nsemcsafety.com
www.nsc0.cn

Data#: 160 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:26:46

**Trace: 159**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

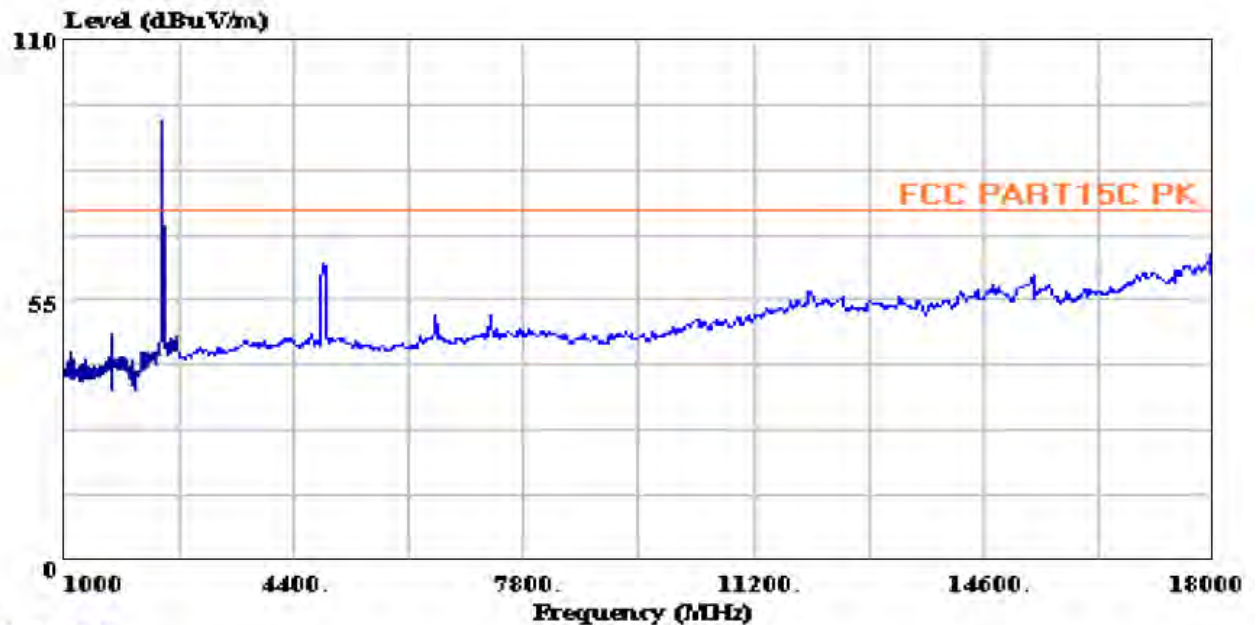


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Data#: 162 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:30:14

**Trace: 161**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

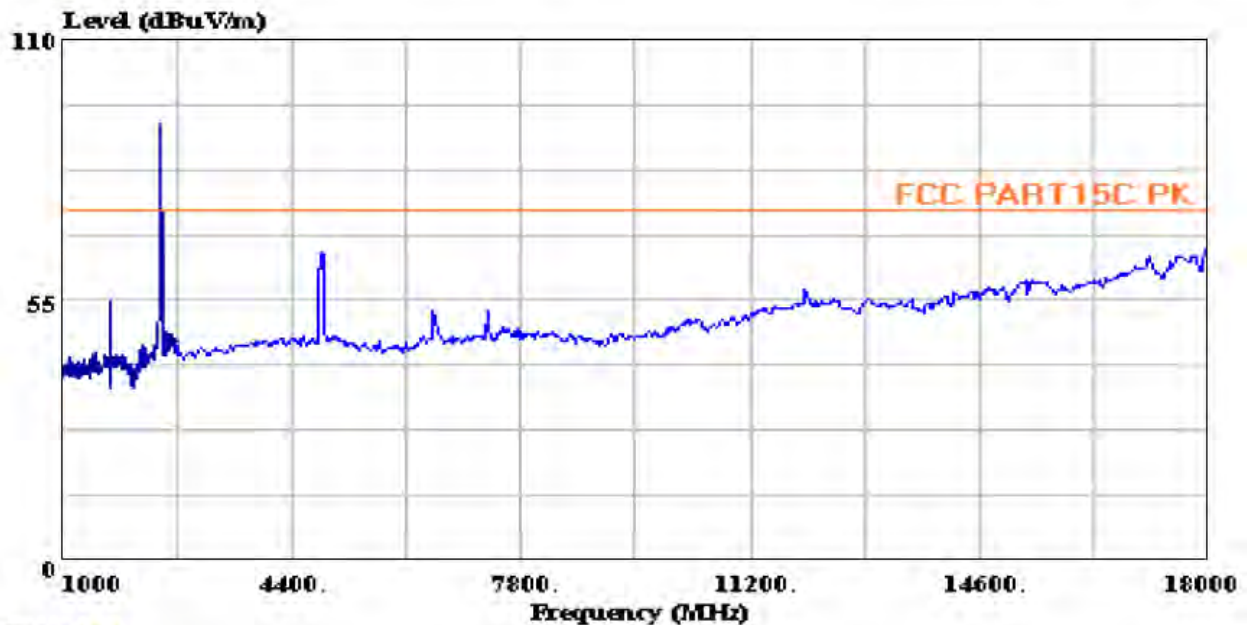


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Fax:0769-85991080
www.nsemcsafety.com
www.nscs.cn

Data#: 164 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:32:47



Trace: 163

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

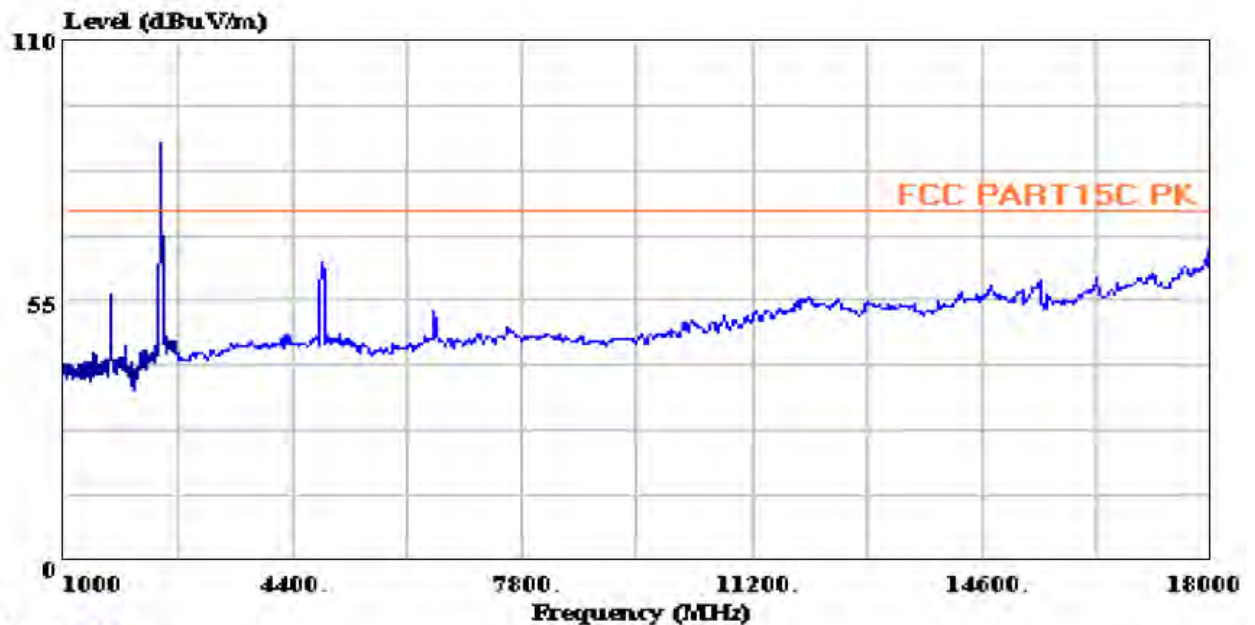


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Data#: 166 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:38:43

**Trace: 165**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz



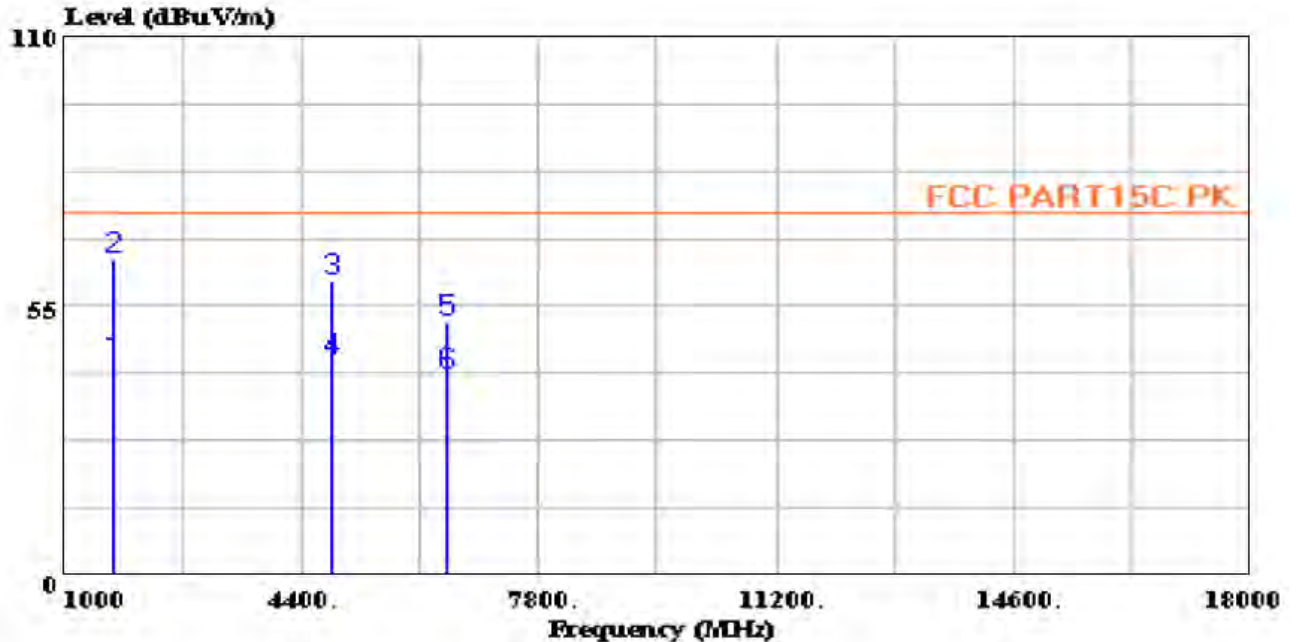
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Data#: 180 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:26:46



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : WS41U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1702.240	43.36	-10.64	54.00	12.10	2.17	29.09	Average
2	1702.240	64.75	-9.25	74.00	33.49	2.17	29.09	Peak
3	4824.800	60.29	-13.71	74.00	23.32	2.38	34.59	Peak
4	4824.800	43.81	-10.19	54.00	6.84	2.38	34.59	Average
5	6494.680	52.03	-21.97	74.00	12.95	2.48	36.60	Peak
6	6494.680	40.72	-13.28	54.00	1.64	2.48	36.60	Average



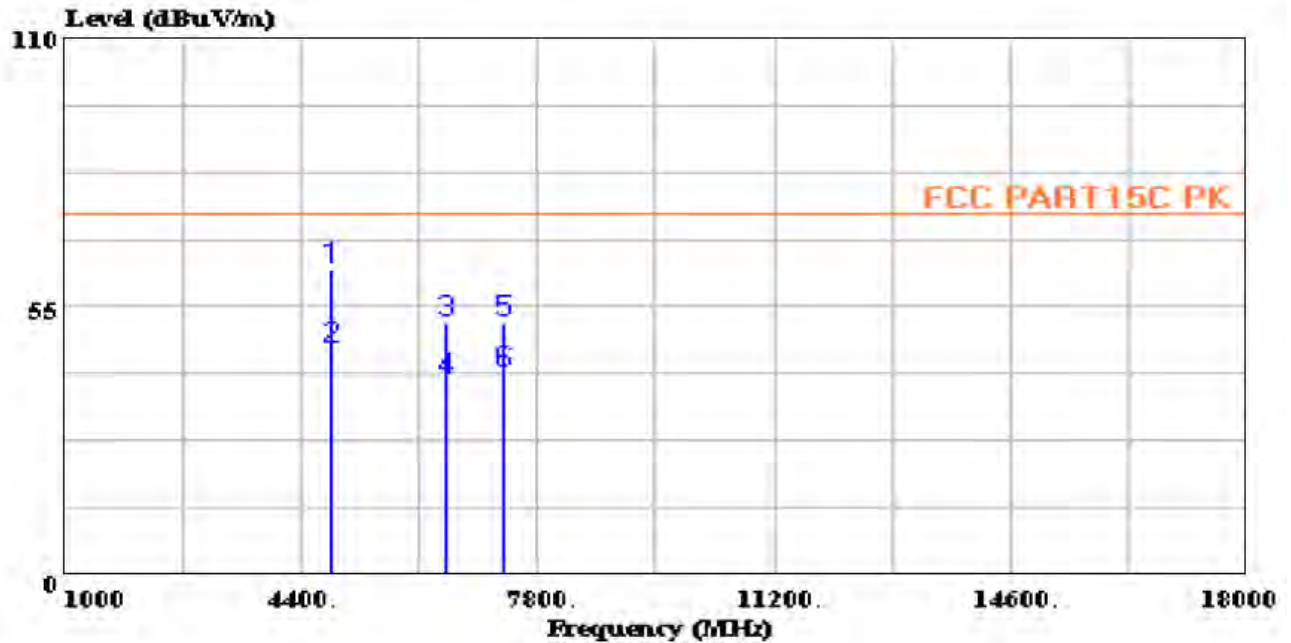
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www.nscn.cn

Data#: 181 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:30:14



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	4840.120	62.80	-11.20	74.00	25.82	2.38	34.60	Peak
2	4840.120	46.37	-7.63	54.00	9.39	2.38	34.60	Average
3	6479.360	51.72	-22.28	74.00	12.66	2.48	36.58	Peak
4	6494.360	40.20	-13.80	54.00	1.12	2.48	36.60	Average
5	7306.640	51.84	-22.16	74.00	12.47	2.53	36.84	Peak
6	7306.640	41.35	-12.65	54.00	1.98	2.53	36.84	Average



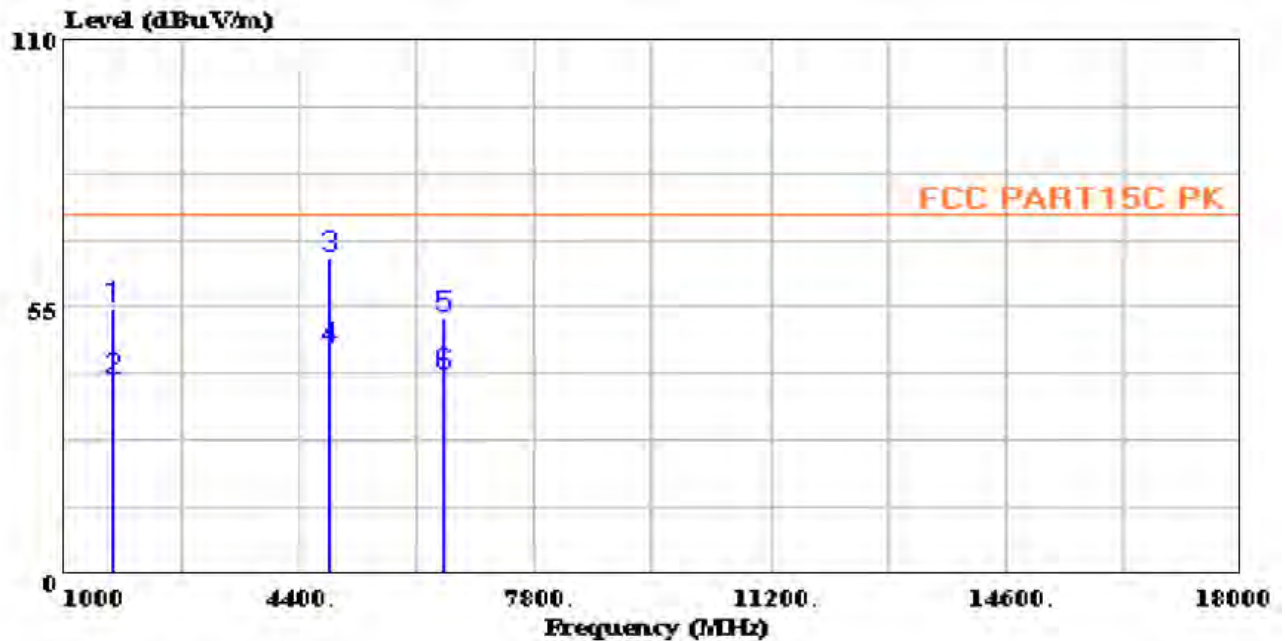
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www.nseco.cn

Data#: 182 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:32:47



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1698.880	54.85	-19.15	74.00	23.59	2.17	29.09	Peak
2	1698.880	40.12	-13.88	54.00	8.86	2.17	29.09	Average
3	4809.480	65.10	-8.90	74.00	28.14	2.38	34.58	Peak
4	4809.480	46.31	-7.69	54.00	9.35	2.38	34.58	Average
5	6494.680	52.90	-21.10	74.00	13.82	2.48	36.60	Peak
6	6494.680	40.81	-13.19	54.00	1.73	2.48	36.60	Average



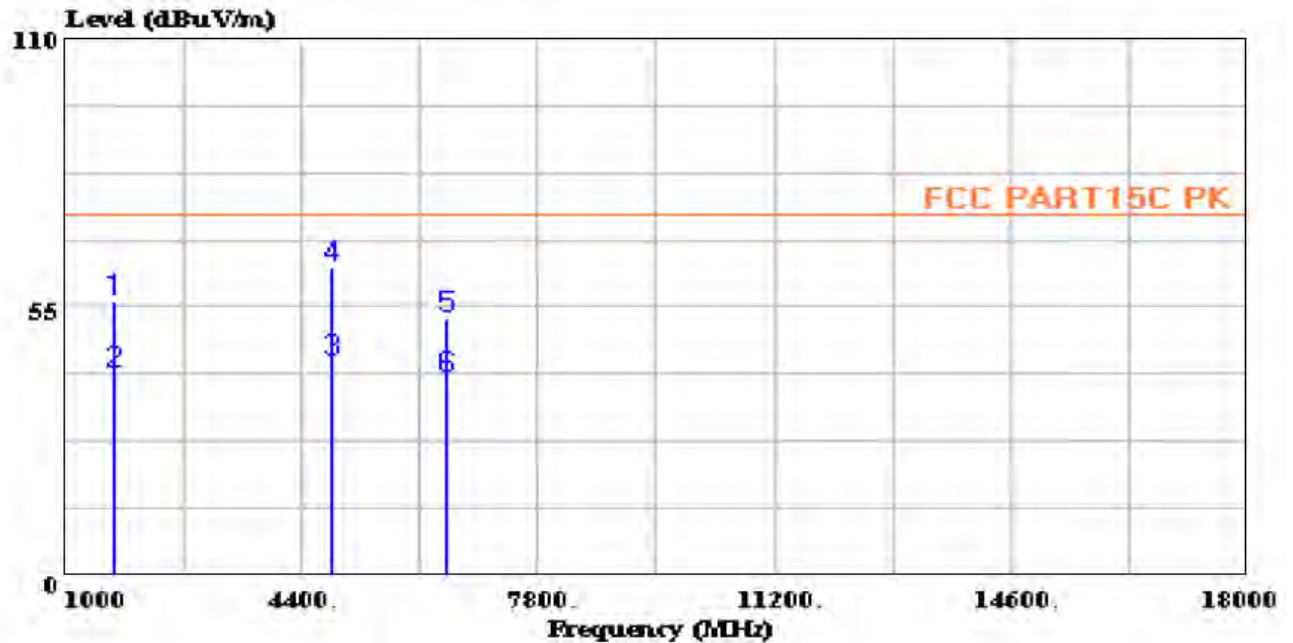
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Data#: 103 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:38:43



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1705.600	56.47	-17.53	74.00	25.09	2.17	29.21	Peak
2	1705.600	41.38	-12.62	54.00	10.00	2.17	29.21	Average
3	4809.480	43.68	-10.32	54.00	6.72	2.38	34.58	Average
4	4809.480	62.99	-11.01	74.00	26.03	2.38	34.58	Peak
5	6494.680	52.92	-21.08	74.00	13.84	2.48	36.60	Peak
6	6494.680	40.39	-13.61	54.00	1.31	2.48	36.60	Average



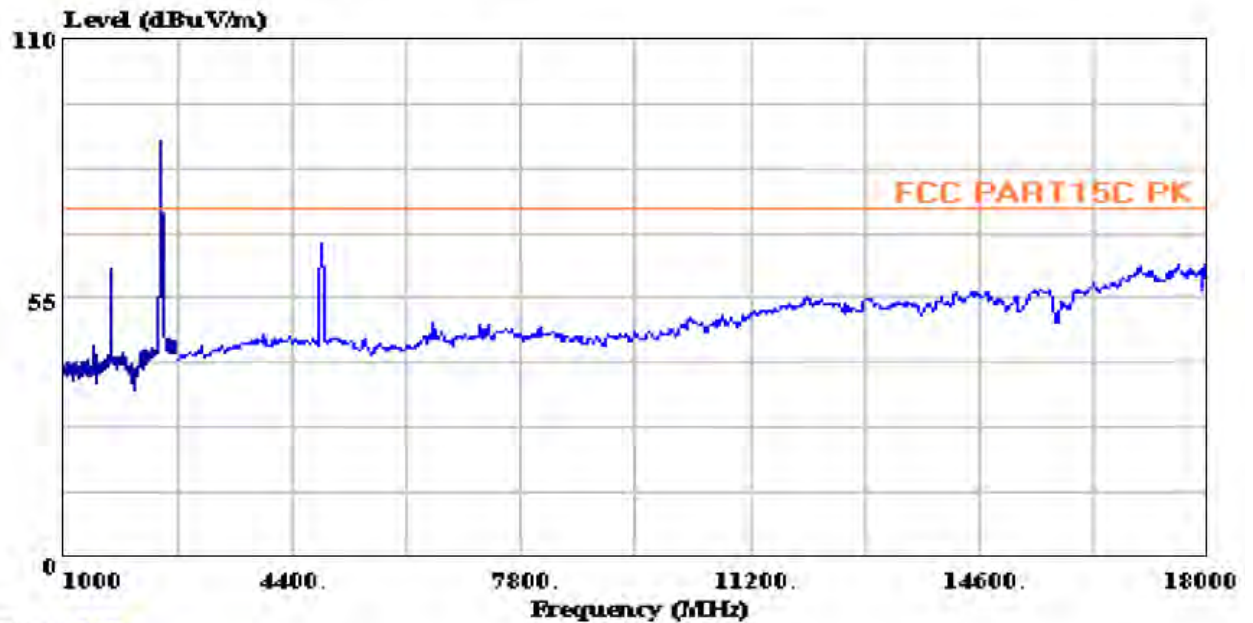
Test plots of EUT through USB cable connect to PC and position Z mode

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Data#: 169 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:42:30

**Trace: 168**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz



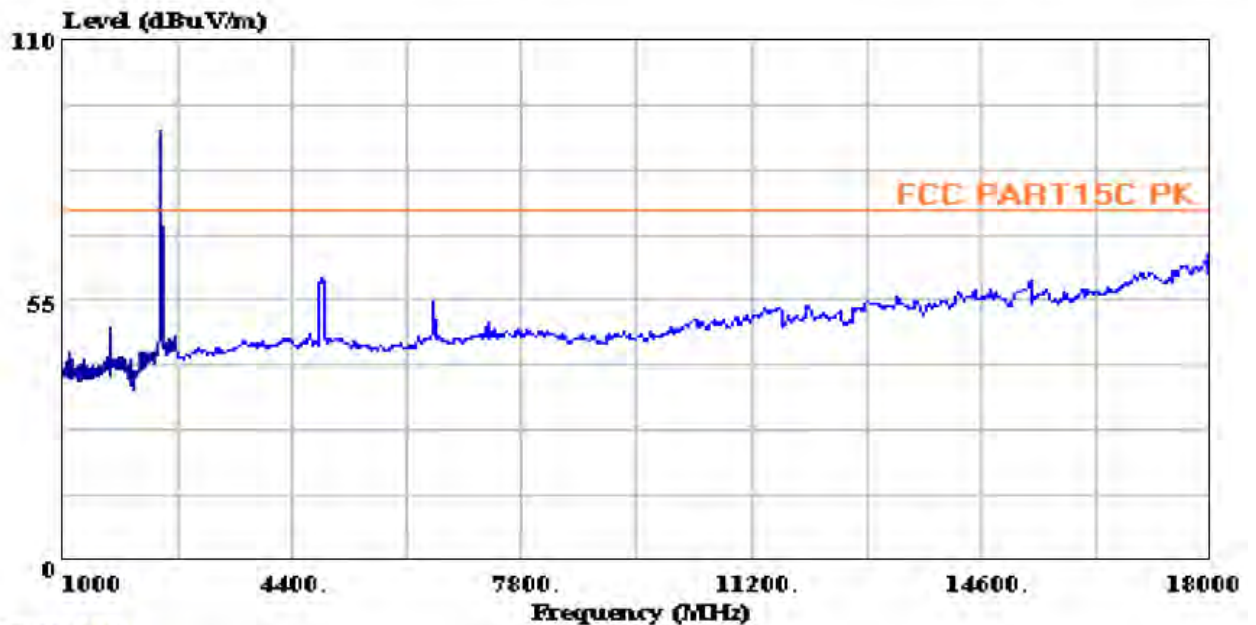
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Data#: 171 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:48:14

**Trace: 170**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz



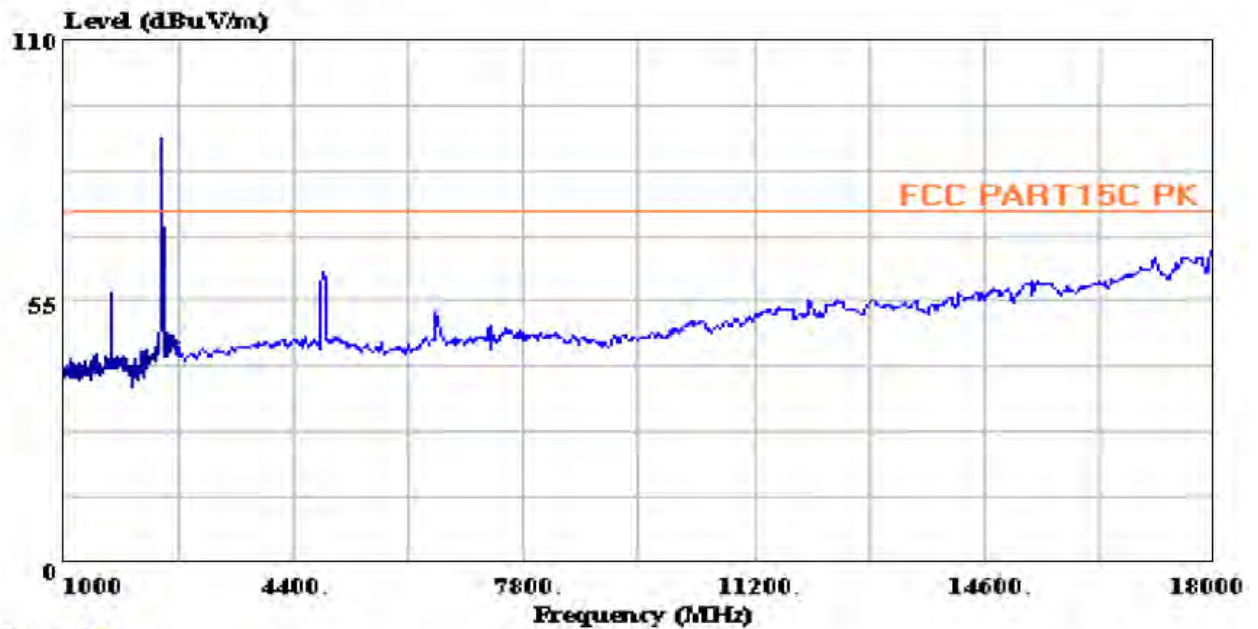
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Data#: 173 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:51:33

**Trace: 172**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

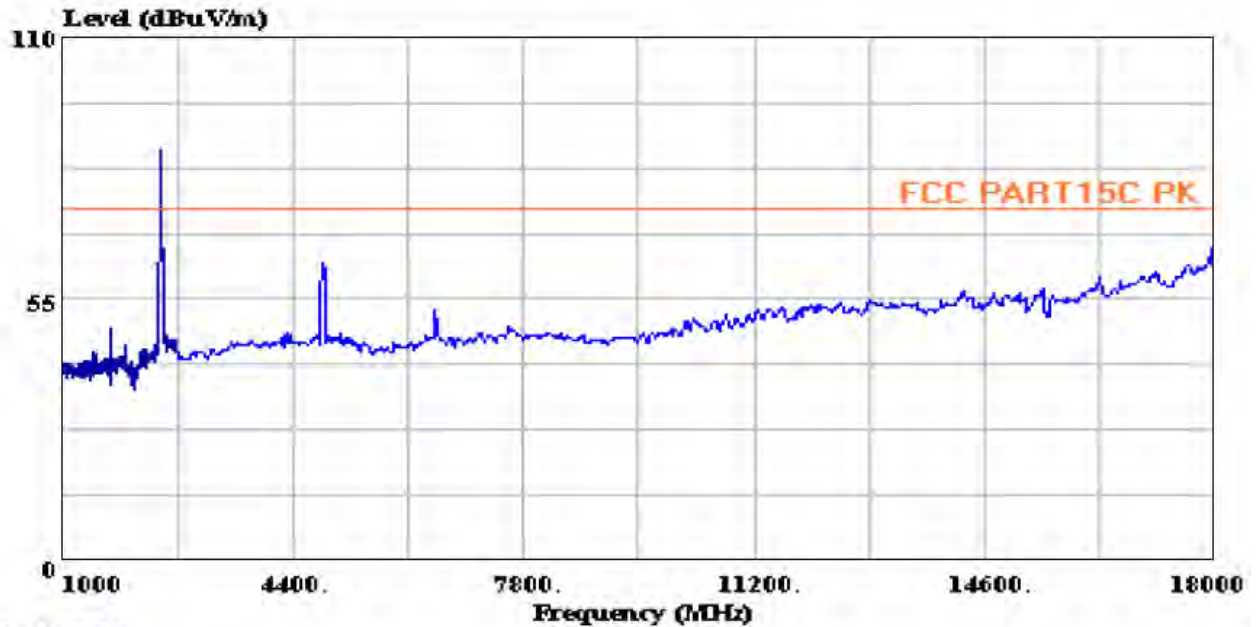


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Data#: 175 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:51:11

**Trace: 174**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz



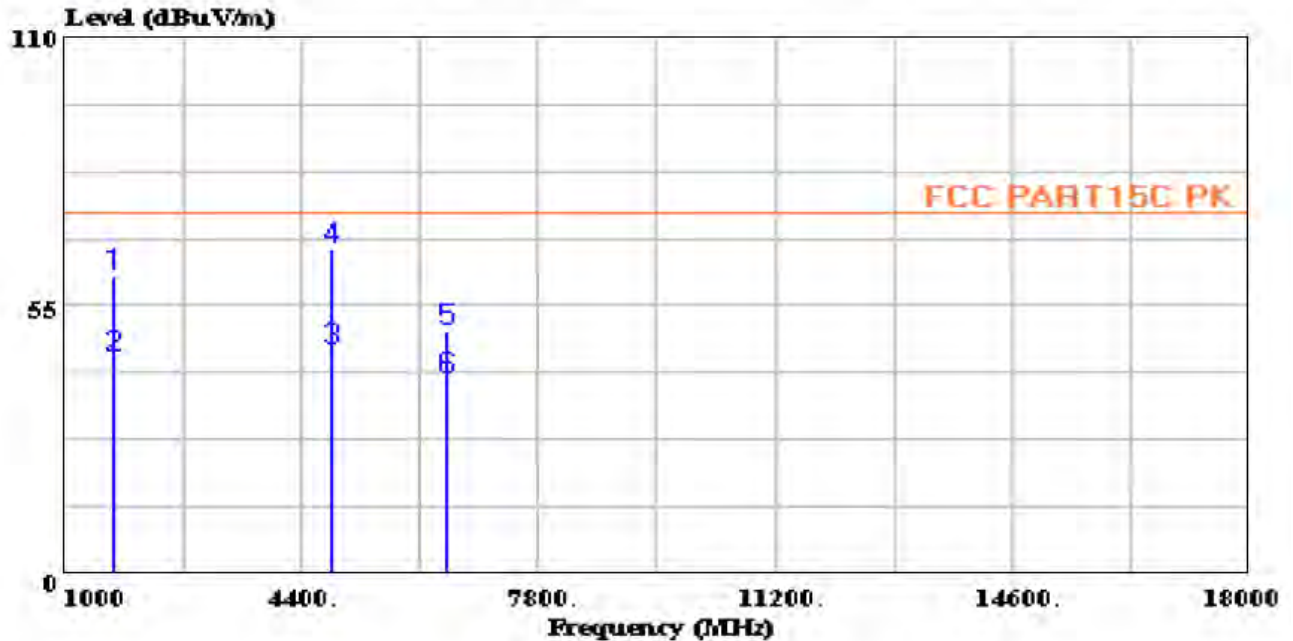
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Data#: 184 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:42:30



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1700.560	61.41	-12.59	74.00	30.15	2.17	29.09	Peak
2	1700.560	44.51	-9.49	54.00	13.25	2.17	29.09	Average
3	4809.480	45.80	-8.20	54.00	8.84	2.38	34.58	Average
4	4809.480	66.72	-7.28	74.00	29.76	2.38	34.58	Peak
5	6494.680	50.03	-23.97	74.00	10.95	2.48	36.60	Peak
6	6494.680	40.08	-13.92	54.00	1.00	2.48	36.60	Average



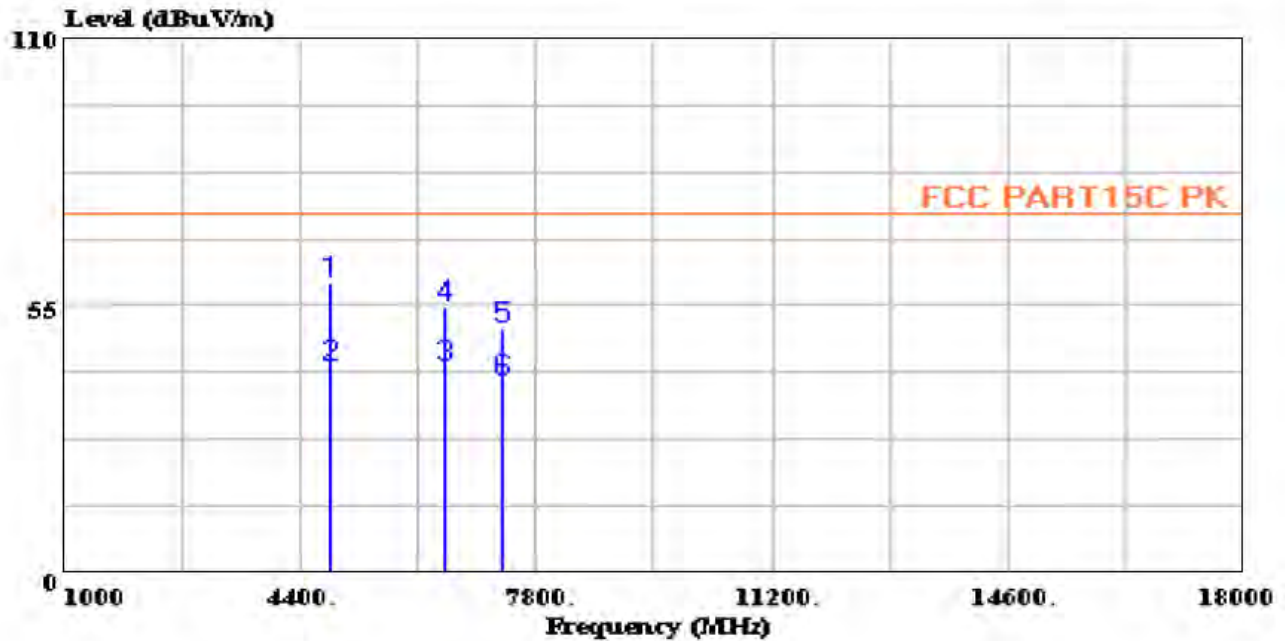
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Data#: 185 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:48:14



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	4840.120	59.80	-14.20	74.00	22.82	2.38	34.60	Peak
2	4840.120	42.35	-11.65	54.00	5.37	2.38	34.60	Average
3	6479.360	42.61	-11.39	54.00	3.55	2.48	36.58	Average
4	6479.360	54.72	-19.28	74.00	15.66	2.48	36.58	Peak
5	7291.320	50.34	-23.66	74.00	10.97	2.53	36.84	Peak
6	7291.320	39.35	-14.65	54.00	-0.02	2.53	36.84	Average



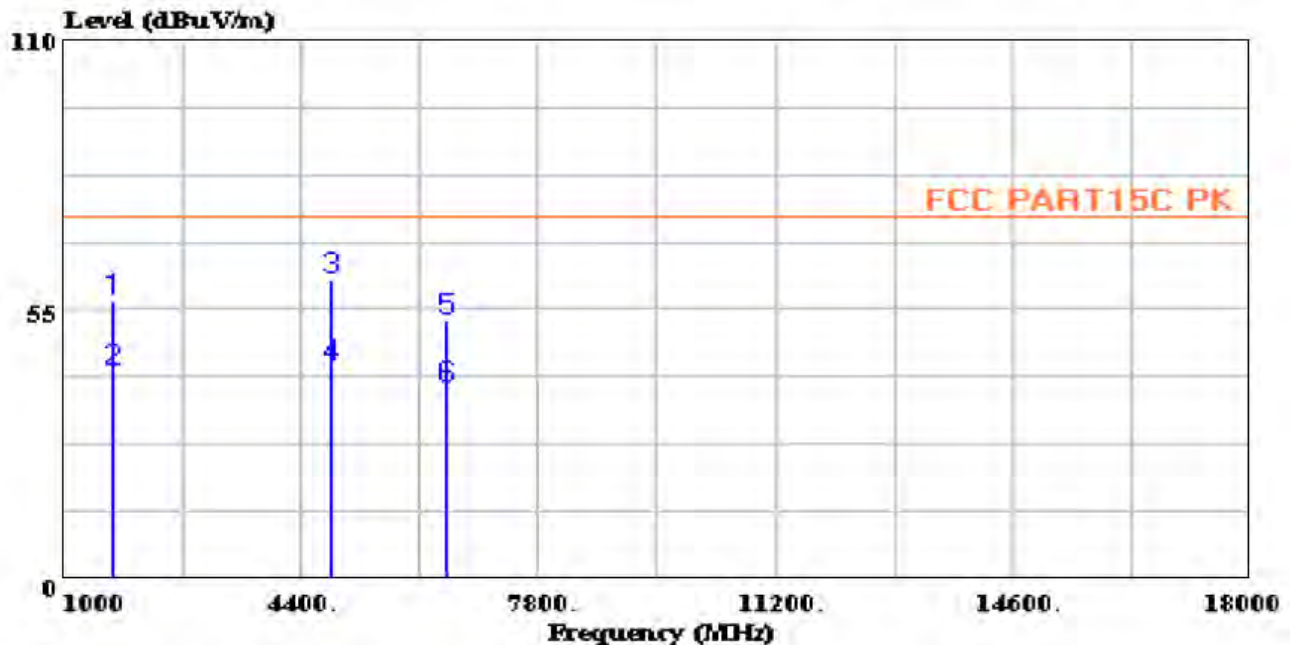
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Data#: 186 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:51:33



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1700.550	56.88	-17.12	74.00	25.62	2.17	29.09	Peak
2	1700.550	42.31	-11.69	54.00	11.05	2.17	29.09	Average
3	4809.480	61.10	-12.90	74.00	24.14	2.38	34.58	Peak
4	4809.480	43.26	-10.74	54.00	6.30	2.38	34.58	Average
5	6494.680	52.90	-21.10	74.00	13.82	2.48	36.60	Peak
6	6494.680	38.98	-15.02	54.00	-0.10	2.48	36.60	Average



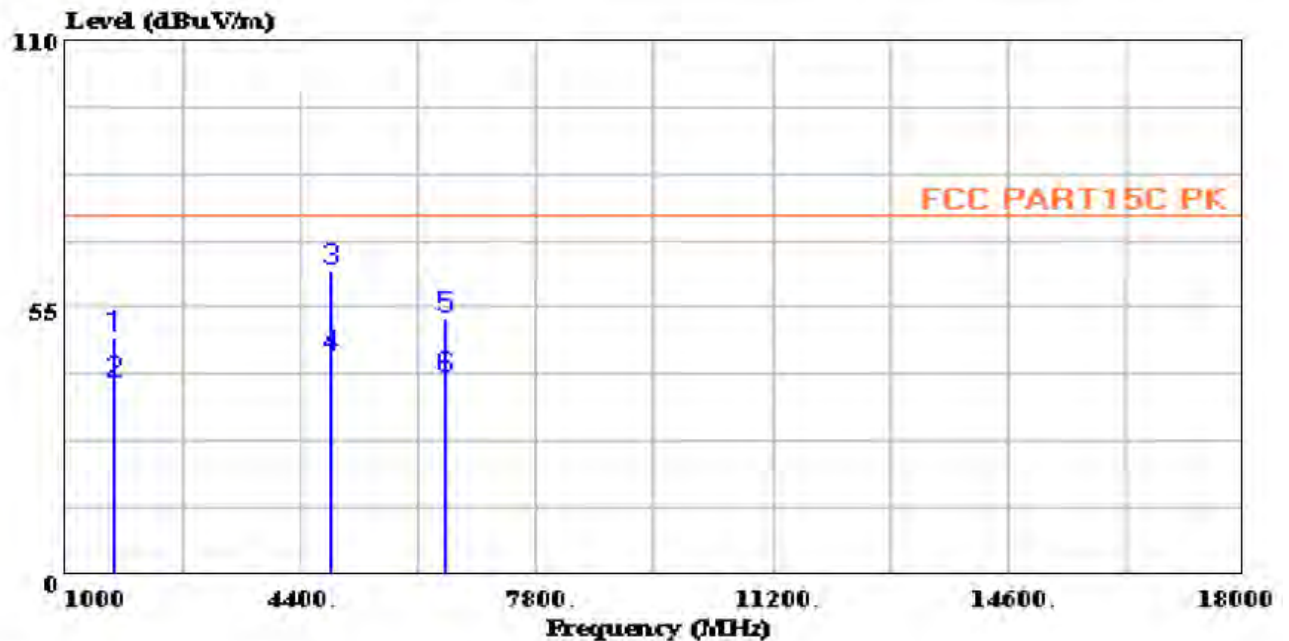
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www.nscd.cn

Data#: 187 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-27 Time: 21:51:11



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1682.080	48.95	-25.05	74.00	17.82	2.17	28.96	Peak
2	1682.080	39.68	-14.32	54.00	8.55	2.17	28.96	Average
3	4824.800	62.87	-11.13	74.00	25.90	2.38	34.59	Peak
4	4824.800	44.67	-9.33	54.00	7.70	2.38	34.59	Average
5	6494.680	52.92	-21.08	74.00	13.84	2.48	36.60	Peak
6	6494.680	40.53	-13.47	54.00	1.45	2.48	36.60	Average



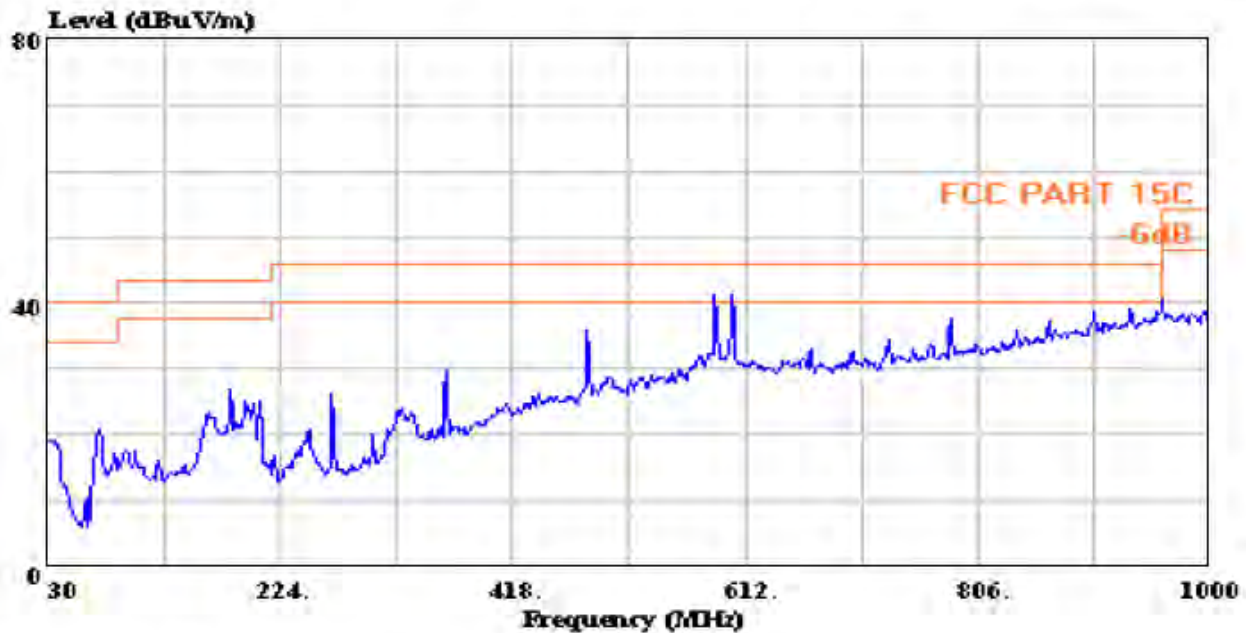
Test plots of EUT through USB cable connect to PC and position Y mode

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Data#: 47 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:50:43



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TK CH1 2412MHz



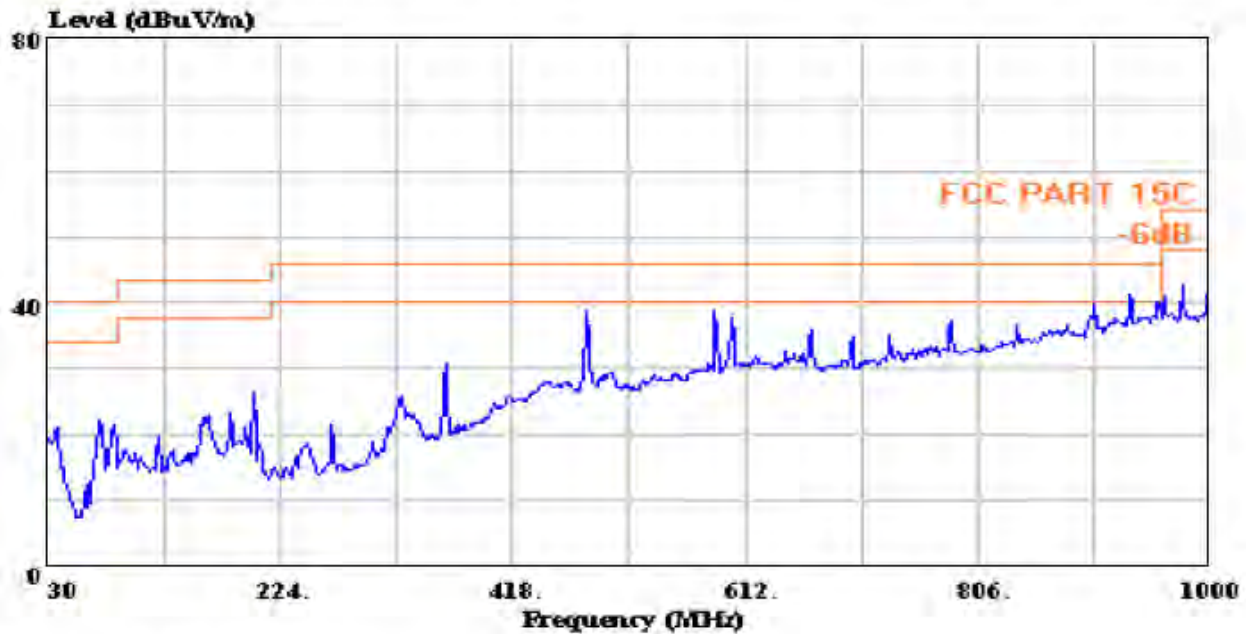
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Data#: 46 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:49:43



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz



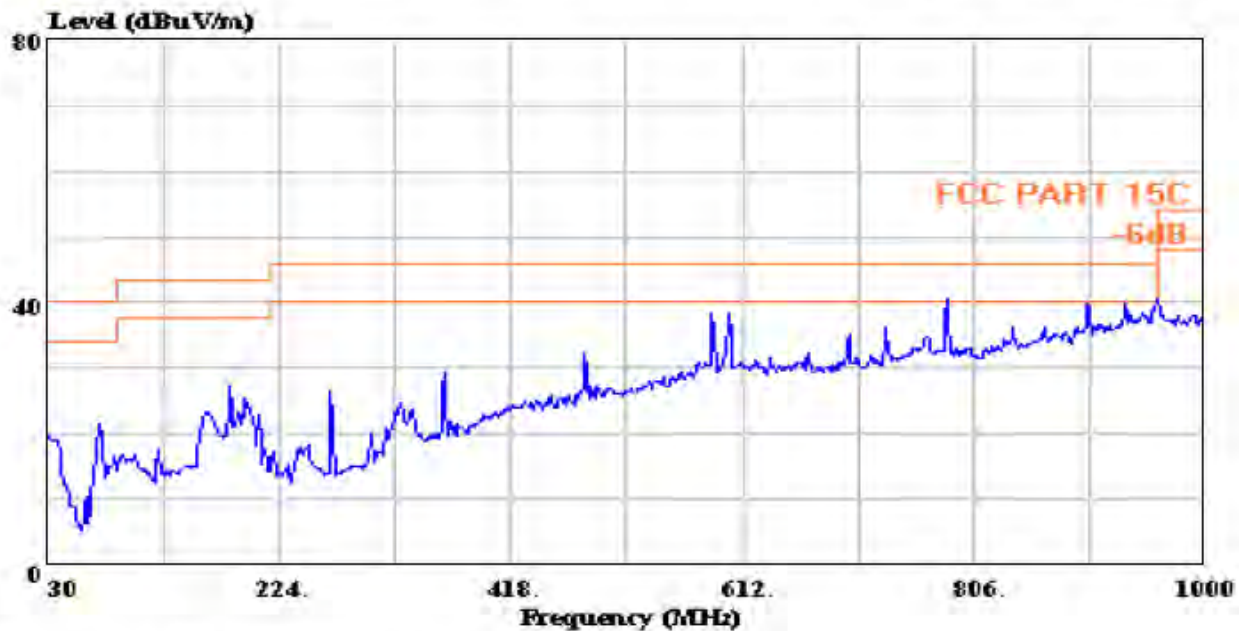
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Data#: 48 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:51:04



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

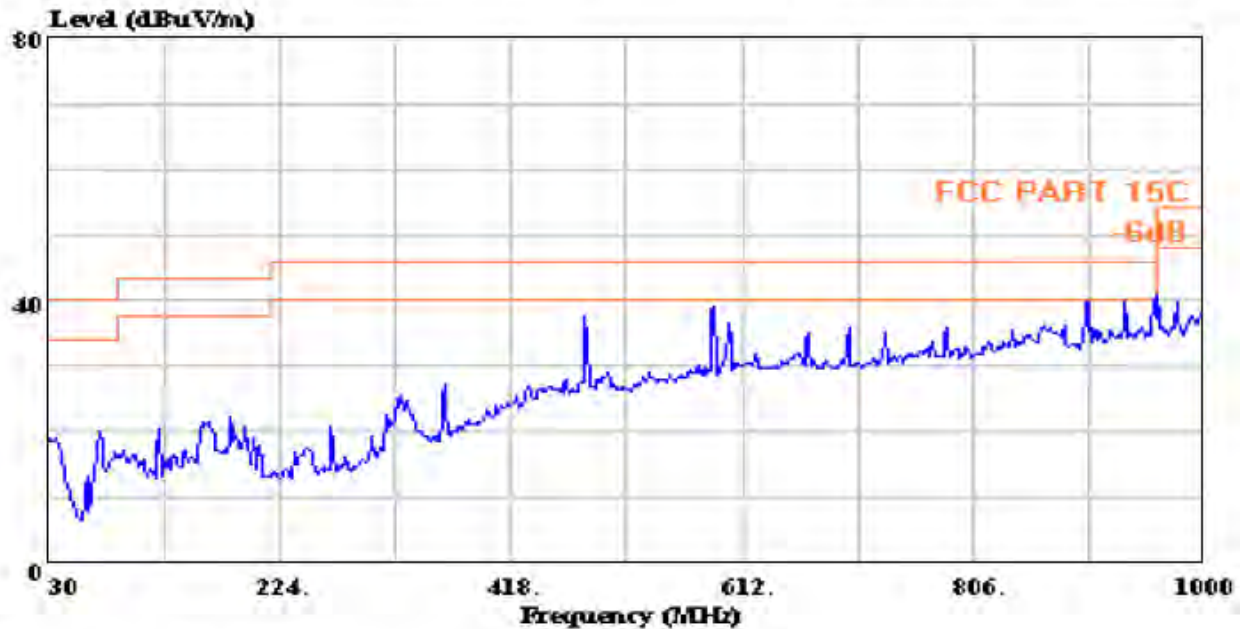


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Data#: 49 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:52:01



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

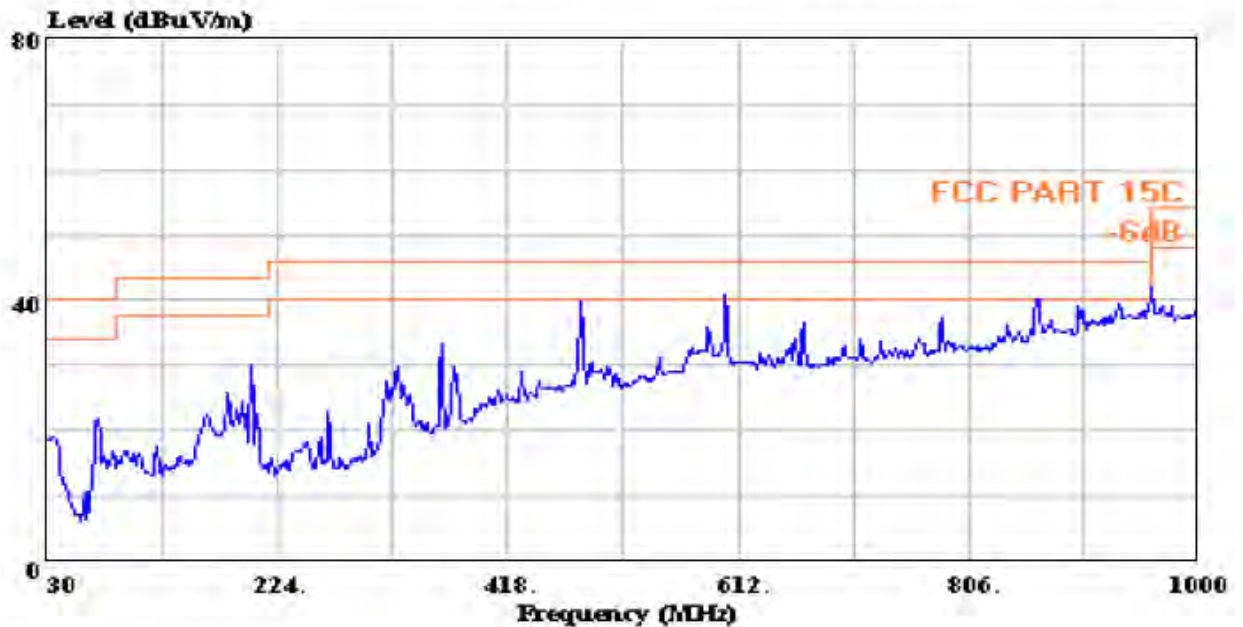


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Data#: 51 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:56:17



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz



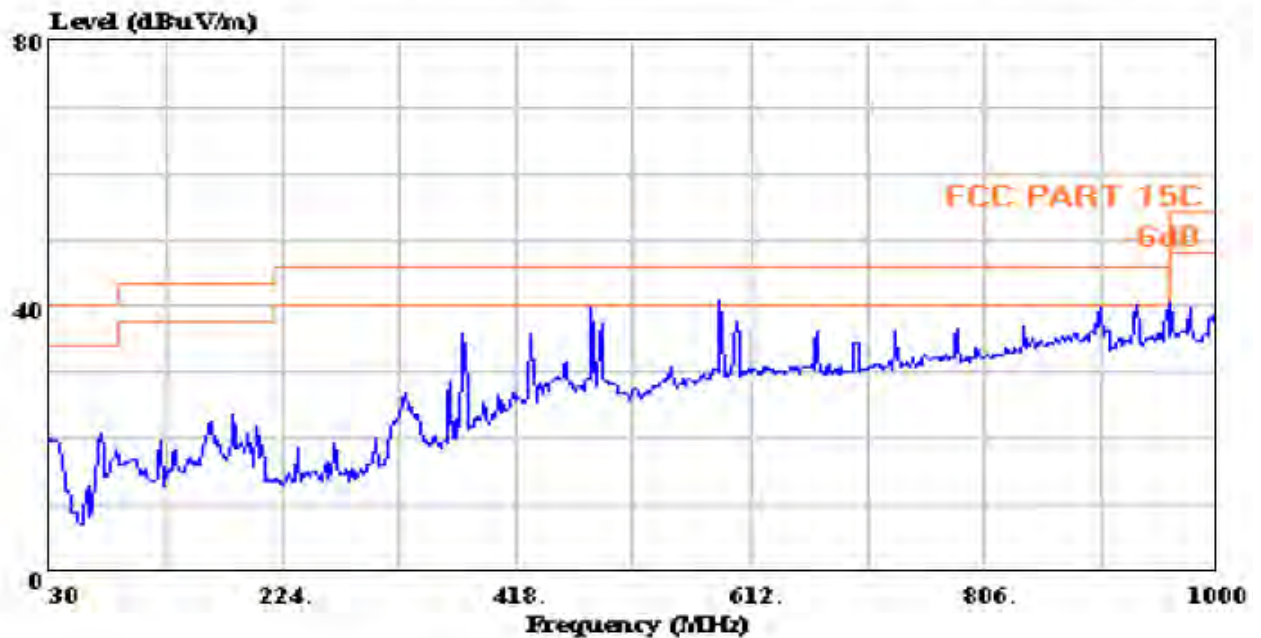
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Data#: 50 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:54:35



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz



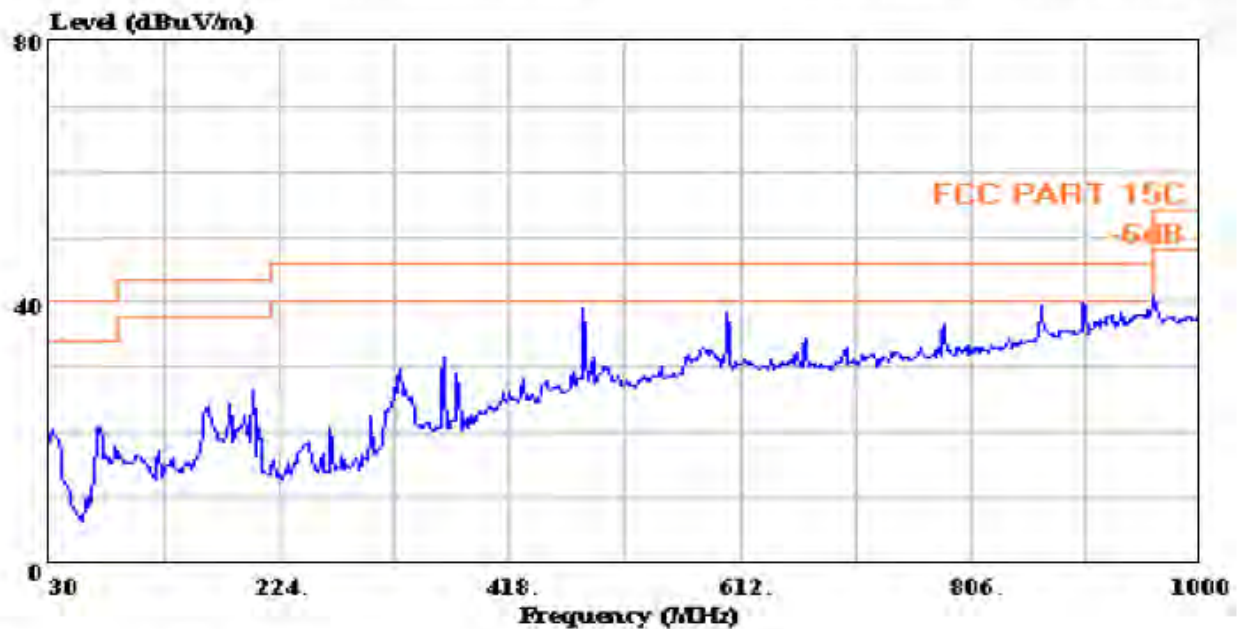
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Data#: 52 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:57:39



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz



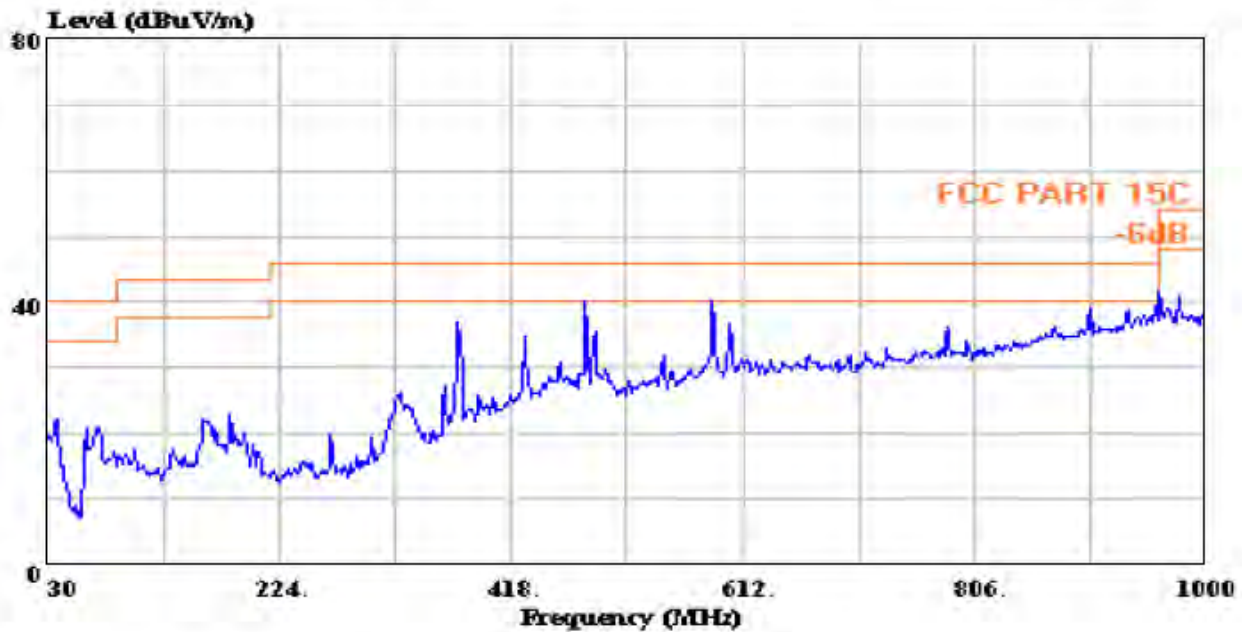
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Data#: 53 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:58:33



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

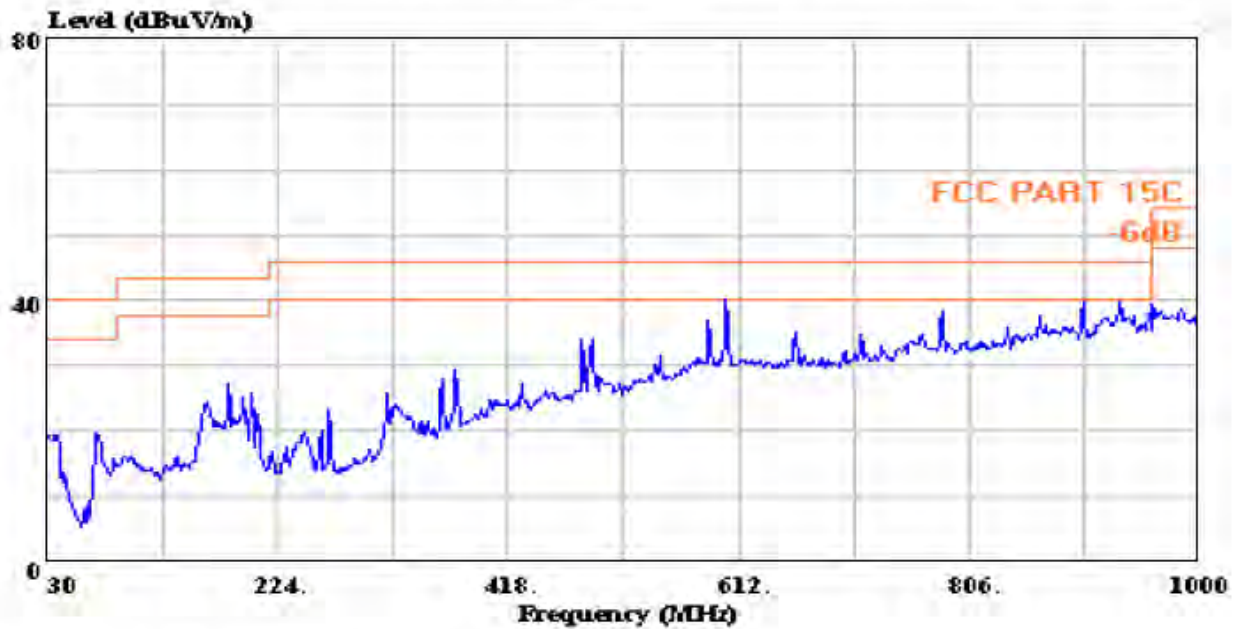


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Data#: 55 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 21:02:47



Site : 966 Chamber.
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : WS41U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

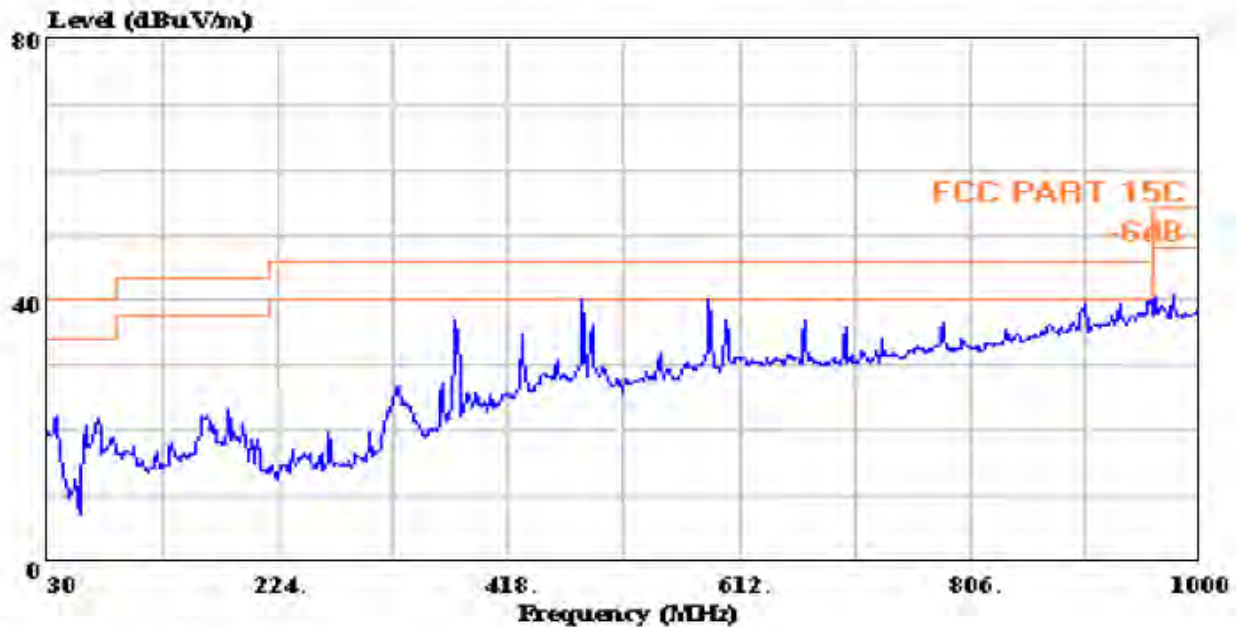


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Data#: 54 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:59:13



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz



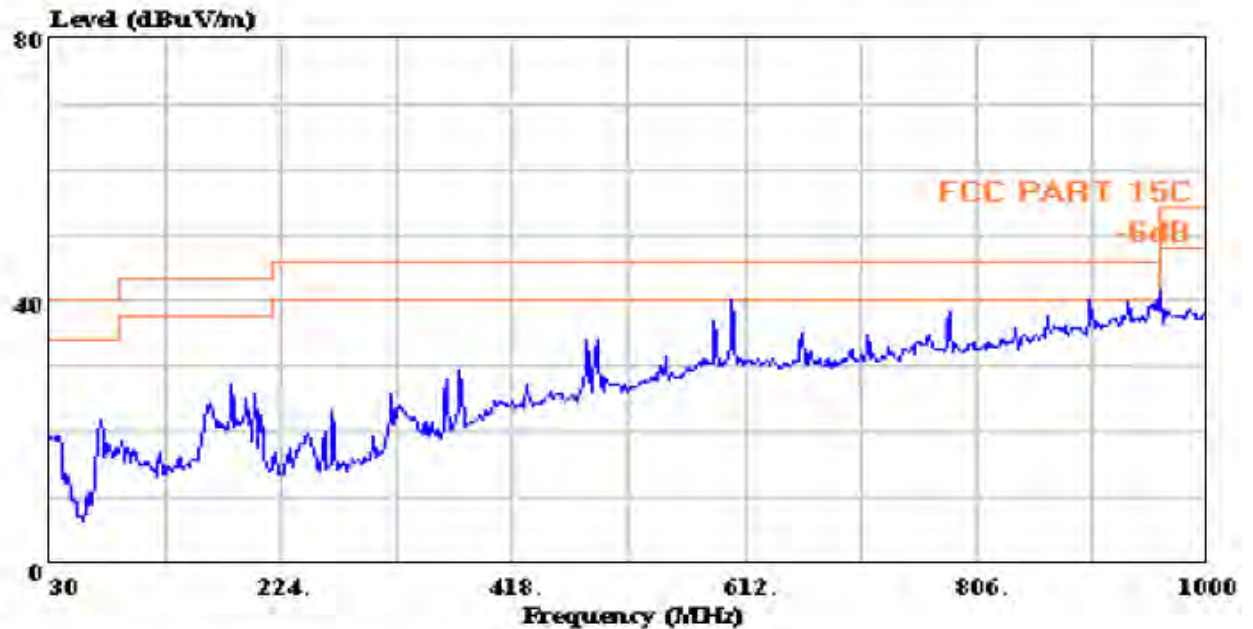
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Data#: 56 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 21:03:10



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/W : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz



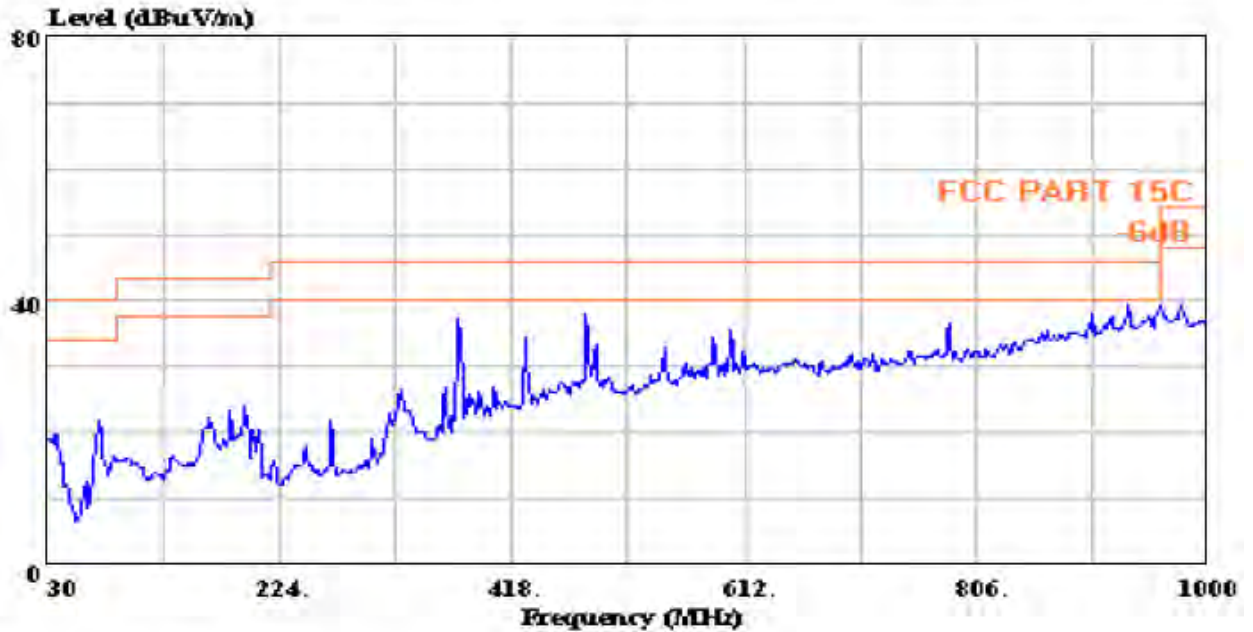
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Data#: 57 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 21:05:41



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz



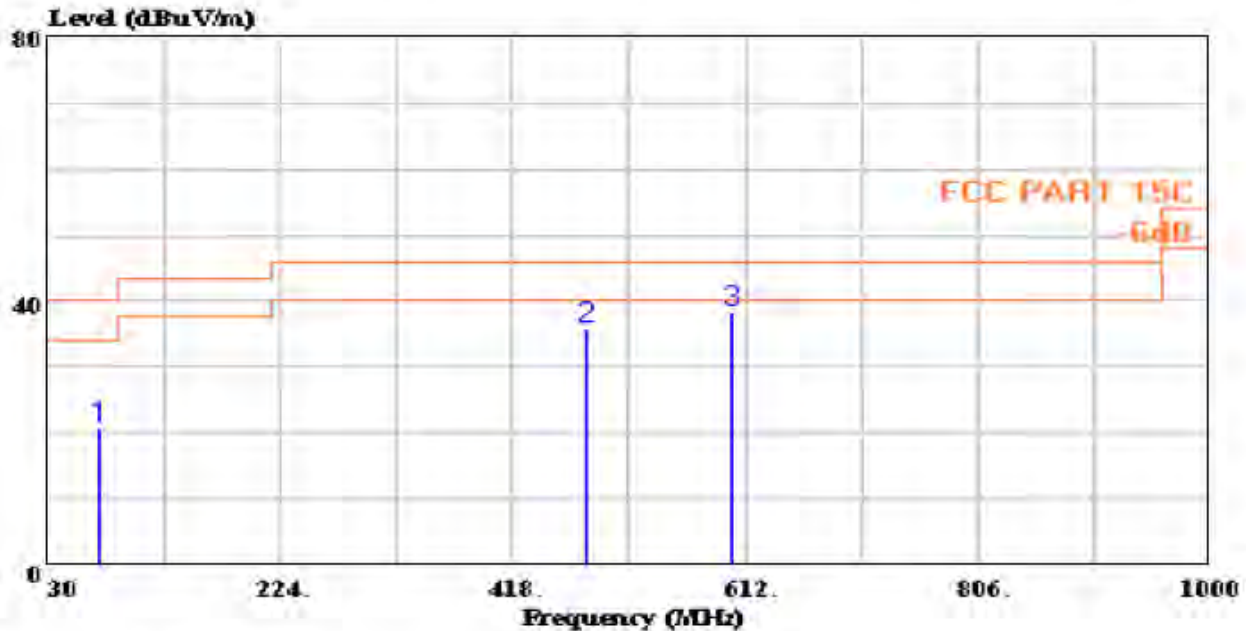
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Data#: 59 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:50:43



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz
: Ant high:3.1m; Table angle:181'

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	72.680	20.81	-19.09	40.00	14.61	1.31	4.99	QP
2	480.080	35.87	-10.03	46.00	12.79	4.03	19.15	QP
3	601.330	38.36	-7.64	46.00	11.63	4.47	22.26	QP



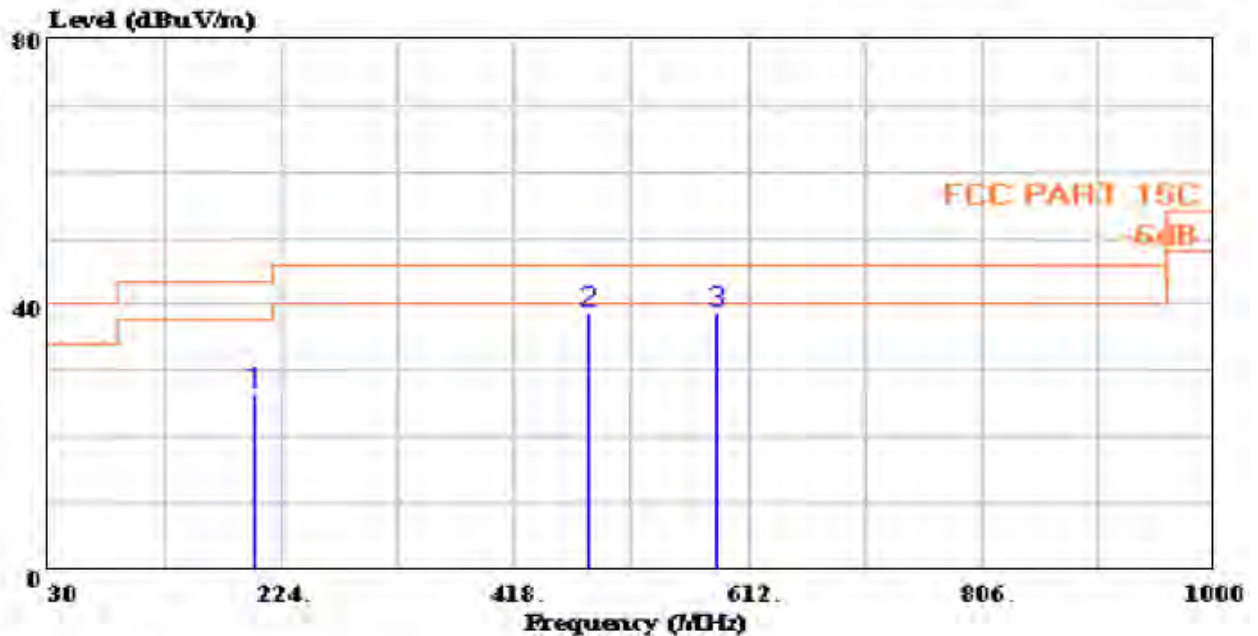
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Data#: 55 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:49:43



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz
: Ant high:1.2m; Table angle:56'

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBUV/m	dBuV	dB	dB	
1	201.690	26.61	-16.89	43.50	14.96	2.24	9.41	QP
2	480.080	38.85	-7.15	46.00	15.67	4.03	19.15	QP
3	586.780	38.58	-7.42	46.00	12.06	4.30	22.22	QP



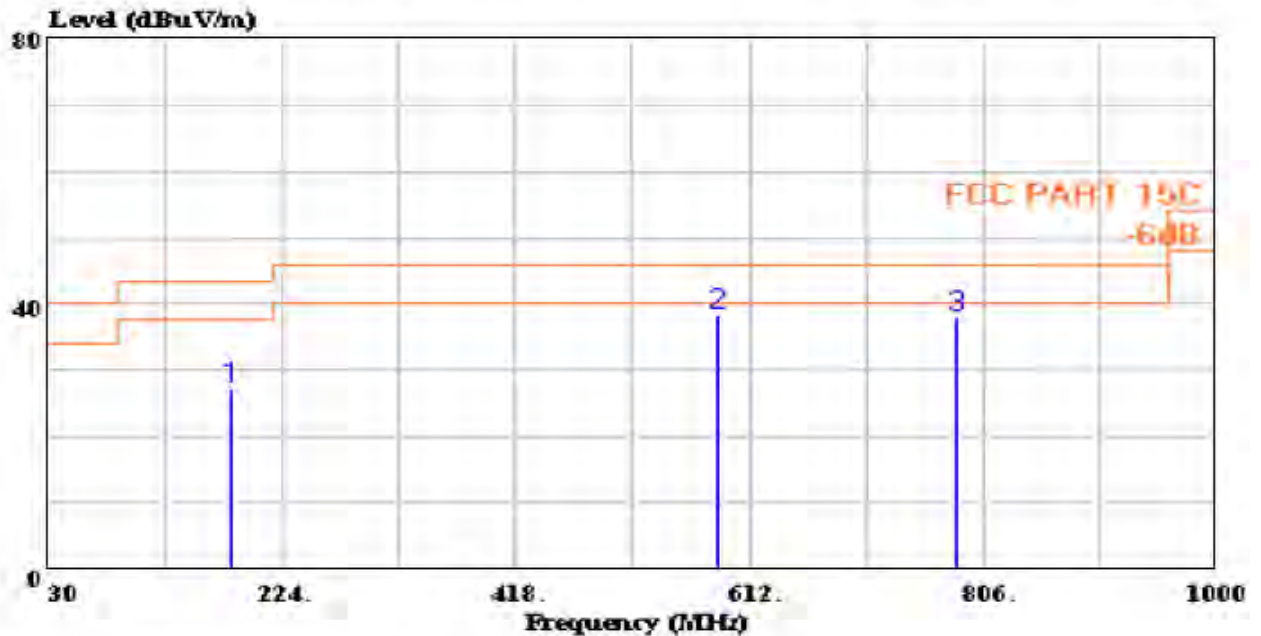
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Data#: 60 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:51:04



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz
: Ant high:2.8m; Table angle:176'

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	182.290	27.29	-16.21	43.50	15.35	2.11	9.83	QP
2	586.780	38.43	-7.57	46.00	11.91	4.30	22.22	QP
3	783.690	37.89	-8.11	46.00	9.30	5.49	23.10	QP



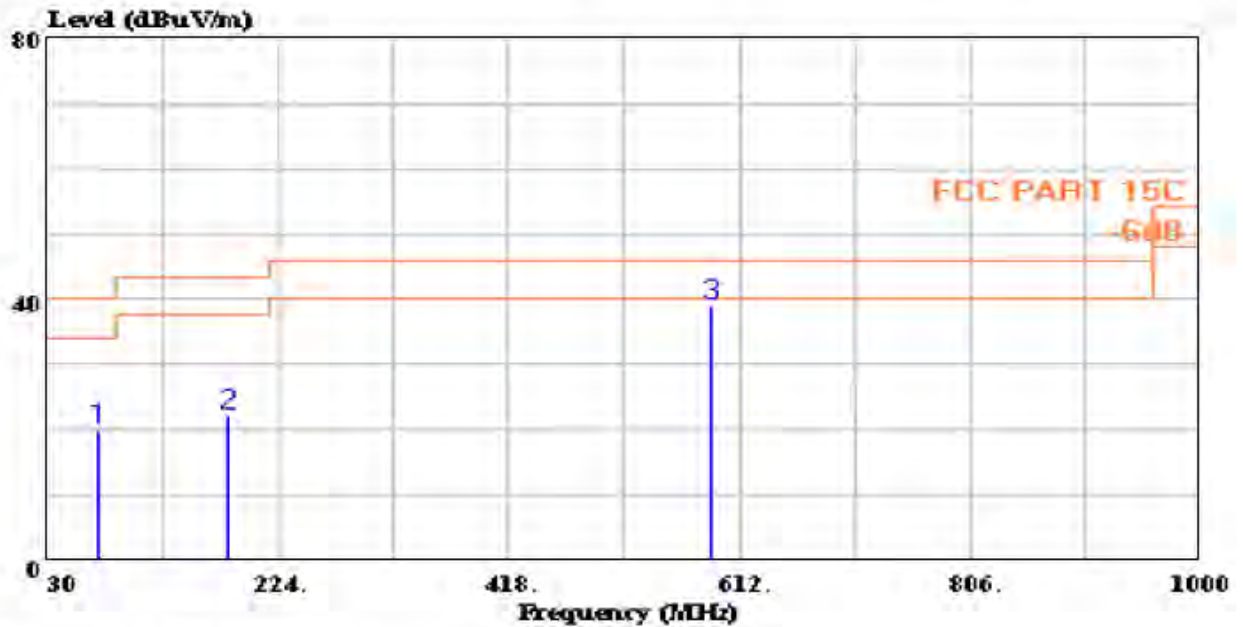
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Data#: 61 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:52:01



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz
: Ant high:1.0m; Table angle:51'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	72.680	20.08	-19.92	40.00	13.78	1.31	4.99	QP
2	182.290	22.37	-21.13	43.50	10.43	2.11	9.83	QP
3	587.750	39.05	-6.95	46.00	12.52	4.31	22.22	QP



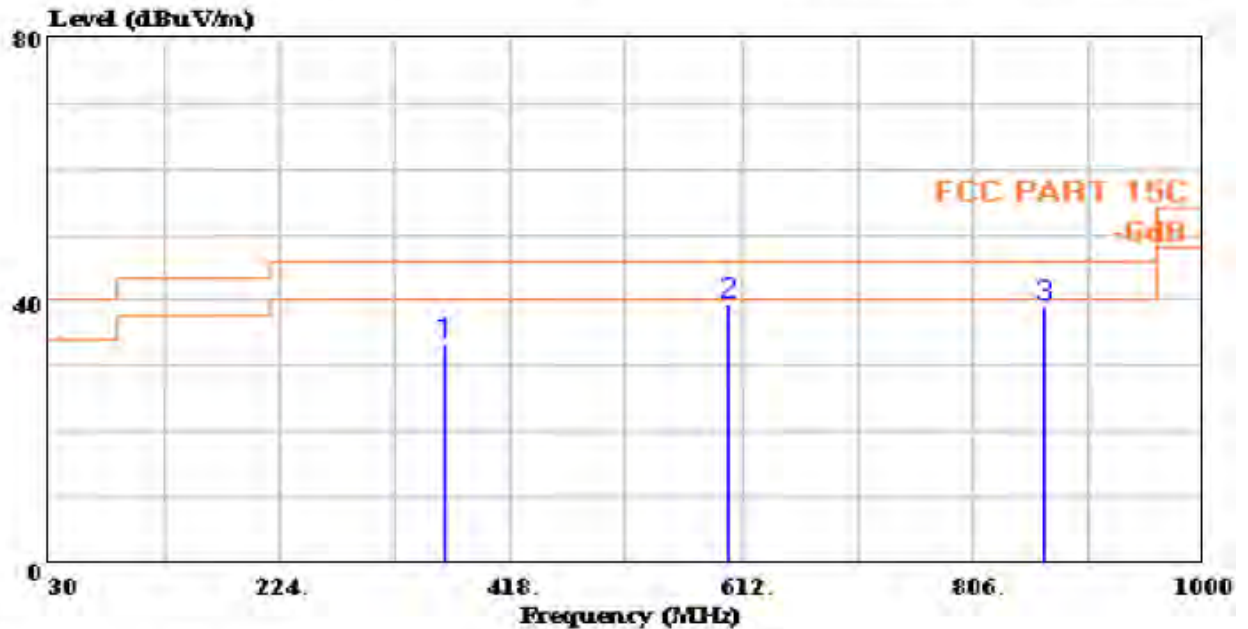
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Data#: 63 File#: D:\Radiation\7\TenDA.emi

Date: 2009-10-07 Time: 20:56:17



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz
: Ant high:2.6m; Table angle:172'

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	361.740	33.47	-12.53	46.00	15.66	3.36	14.45	QP
2	601.330	39.34	-6.66	46.00	12.61	4.47	22.26	QP
3	866.140	39.17	-6.83	46.00	8.48	6.13	24.56	QP



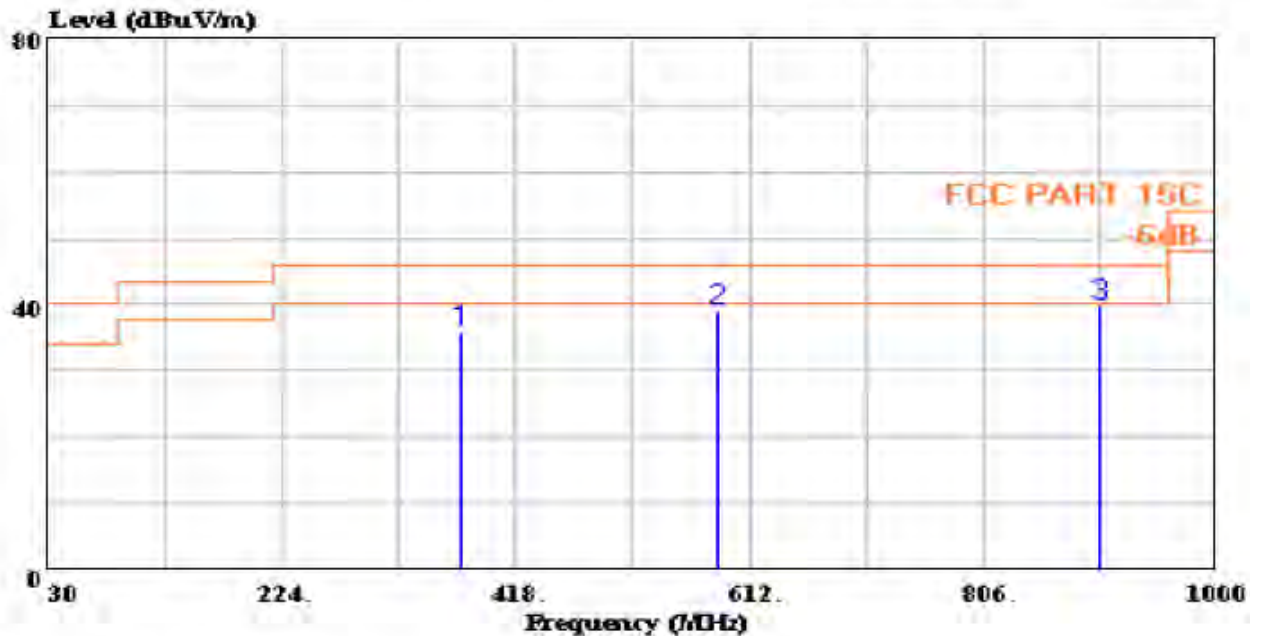
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Data#: 62 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:54:35



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz
: Ant high:1.3m; Table angle:48'

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	373.380	35.81	-10.19	46.00	17.49	3.25	15.07	QP
2	586.780	38.99	-7.01	46.00	12.47	4.30	22.22	QP
3	902.030	39.89	-6.91	46.00	8.09	6.38	25.22	QP



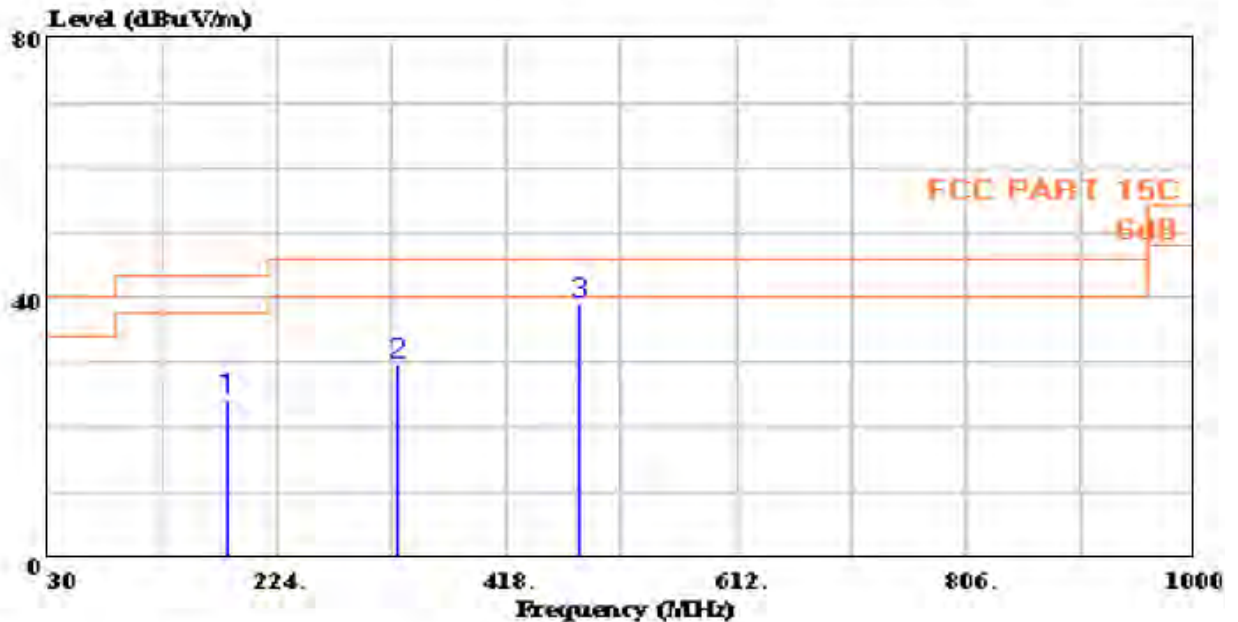
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Data#: 69 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:57:39



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz
: Ant high:3.0m; Table angle:177°

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	182.290	24.23	-19.27	43.50	12.29	2.11	9.83	QF
2	324.980	29.66	-16.34	46.00	13.96	2.99	12.91	QF
3	480.080	39.11	-6.89	46.00	15.93	4.03	19.15	QF



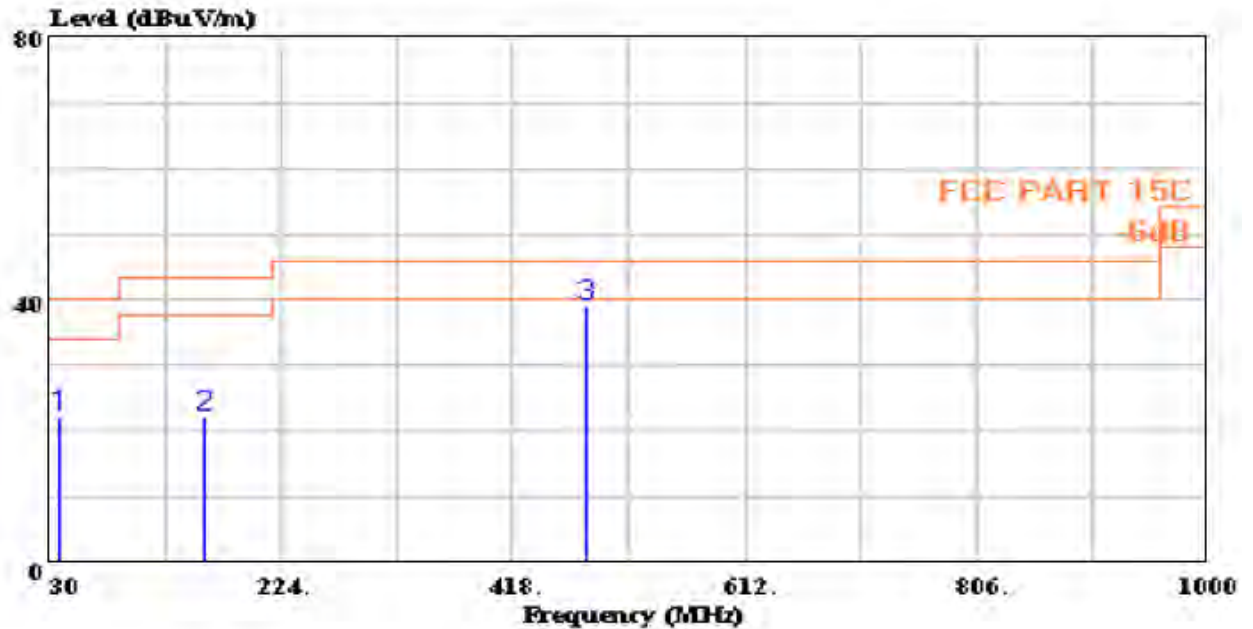
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Guangdong, China
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www.nsemcsafety.com
www.nasco.cn

Data#: 65 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:58:33



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz
: Ant high:1.1m; Table angle:43°

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	36.790	22.26	-17.74	40.00	4.71	0.82	16.73	QP
2	159.980	22.12	-21.38	43.50	8.30	1.96	11.86	QP
3	480.080	39.25	-6.75	46.00	16.07	4.03	19.15	QP



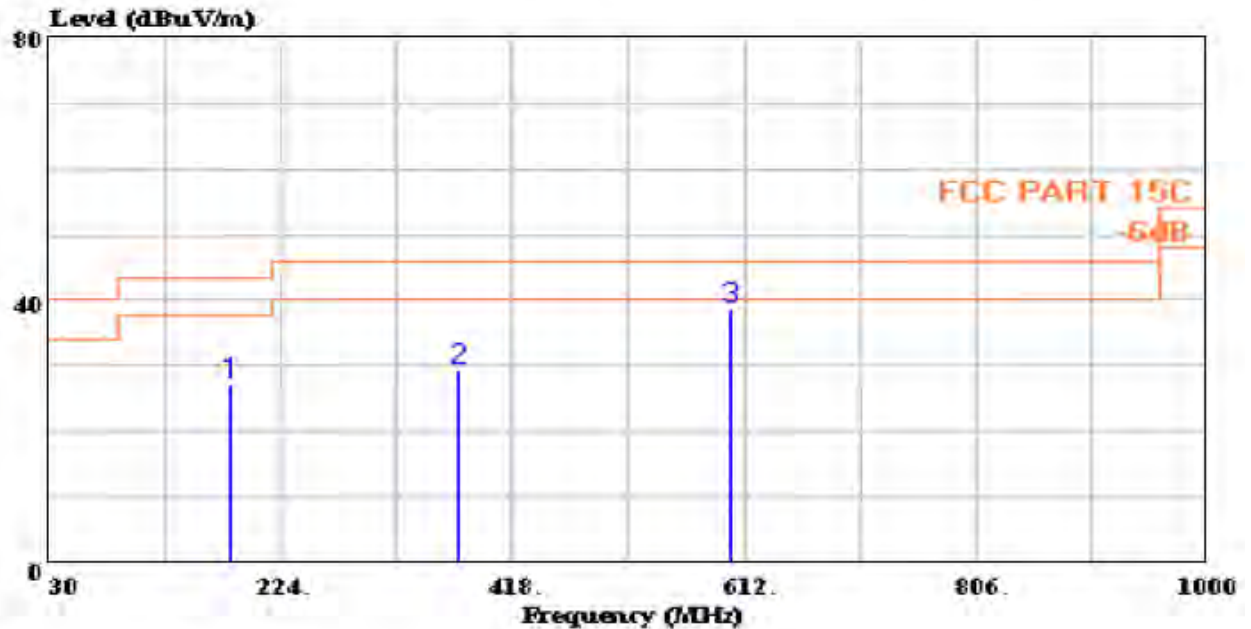
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Data#: 67 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 21:02:47



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz
: Ant high:3.1m; Table angle:167°

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	162.290	27.13	-16.37	43.50	15.19	2.11	9.83	QP
2	373.380	29.49	-16.51	46.00	11.17	3.25	15.07	QP
3	601.830	38.67	-7.33	46.00	11.94	4.47	22.26	QP



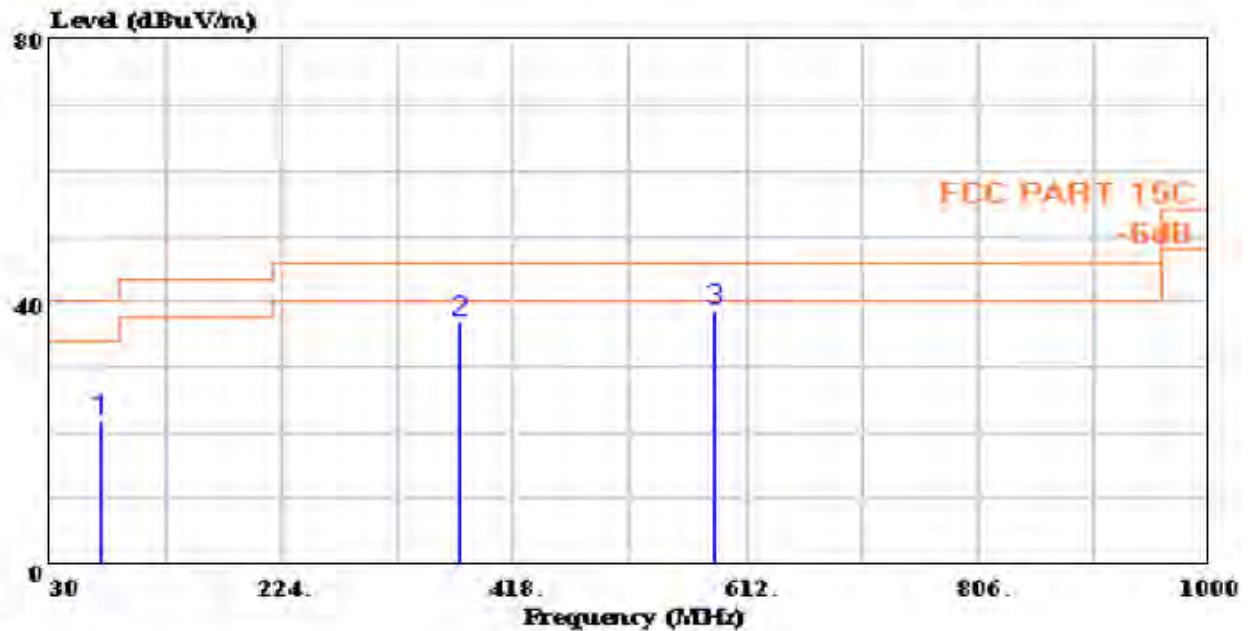
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Data#: 66 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 20:59:13



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz
: Ant high:1.5m; Table angle:59'

Page: 1

	Fréq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	72.680	21.83	-18.17	40.00	15.53	1.31	4.99	QP
2	373.380	36.83	-9.17	46.00	18.51	3.25	15.07	QP
3	586.780	38.76	-7.24	46.00	12.24	4.30	22.22	QP



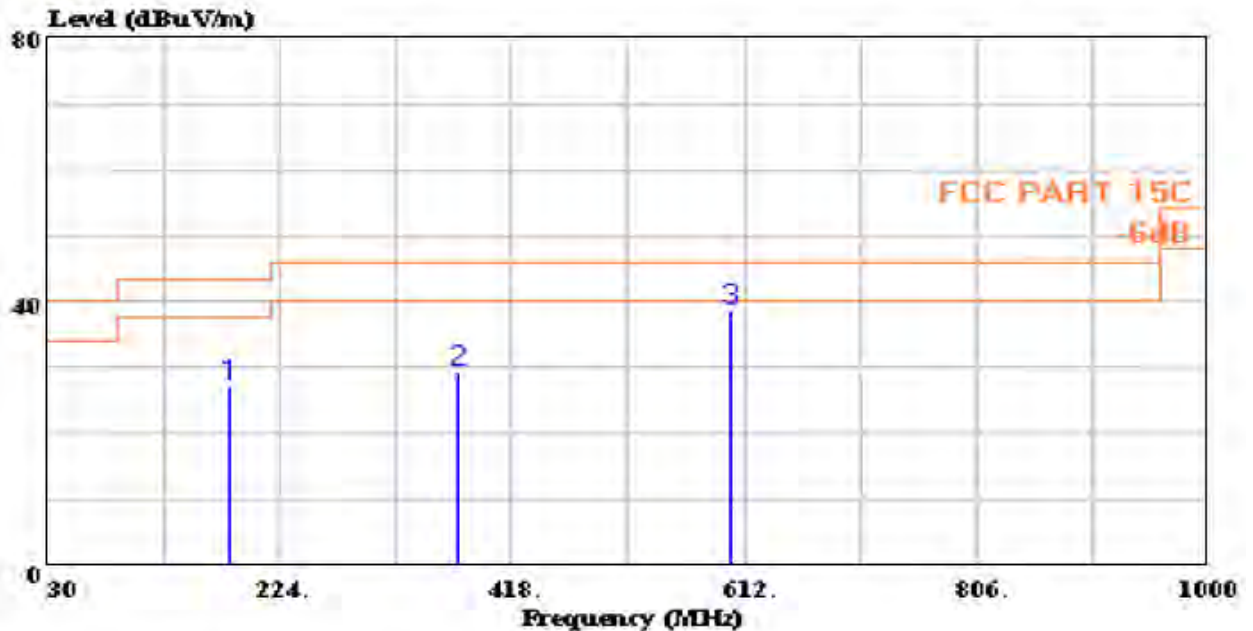
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www.nasco.cn

Data#: 66 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 21:03:10



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz
: Ant high:3.4m; Table angle:176'

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	182.290	27.13	-16.37	43.50	15.19	2.11	9.83	QP
2	373.380	29.49	-16.51	46.00	11.17	3.25	15.07	QP
3	601.330	38.79	-7.21	46.00	12.06	4.47	22.26	QP



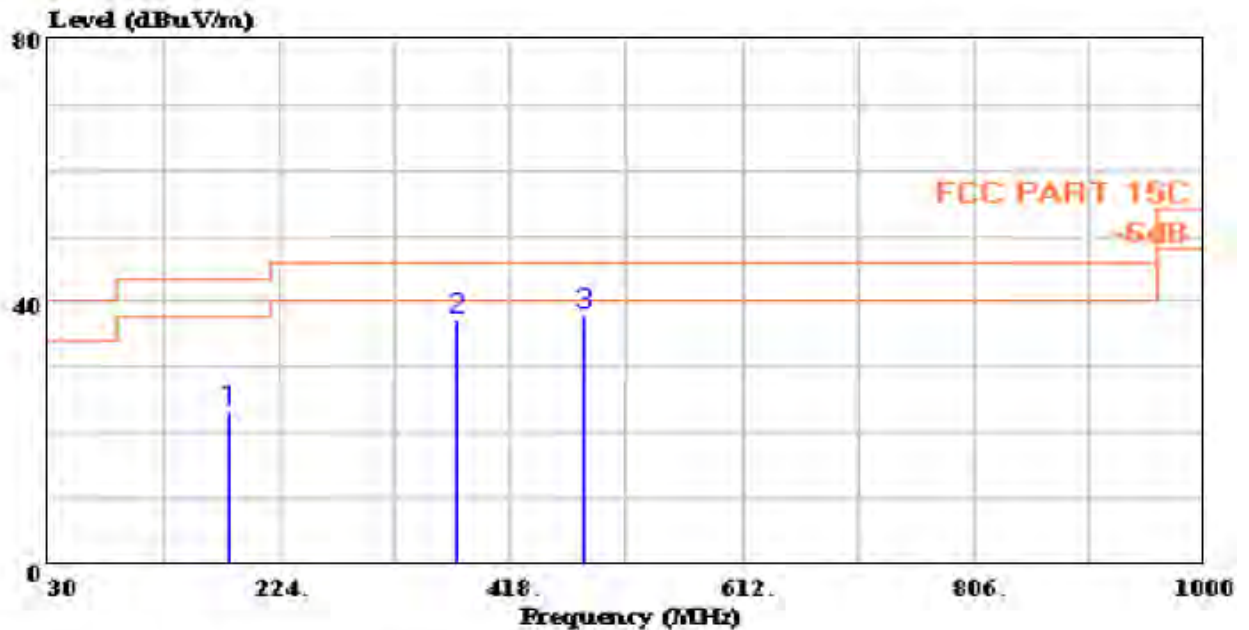
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Data#: 69 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-07 Time: 21:05:41



Site : 966 Chamber
Condition : FCC PART 15C 3m 3142B VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz
: Ant high:1.3m; Table angle:42'

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	182.290	23.18	-20.32	43.50	11.24	2.11	9.83	QP
2	373.380	37.26	-8.74	46.00	18.94	3.25	15.07	QP
3	480.080	38.04	-7.96	46.00	14.86	4.03	19.15	QP



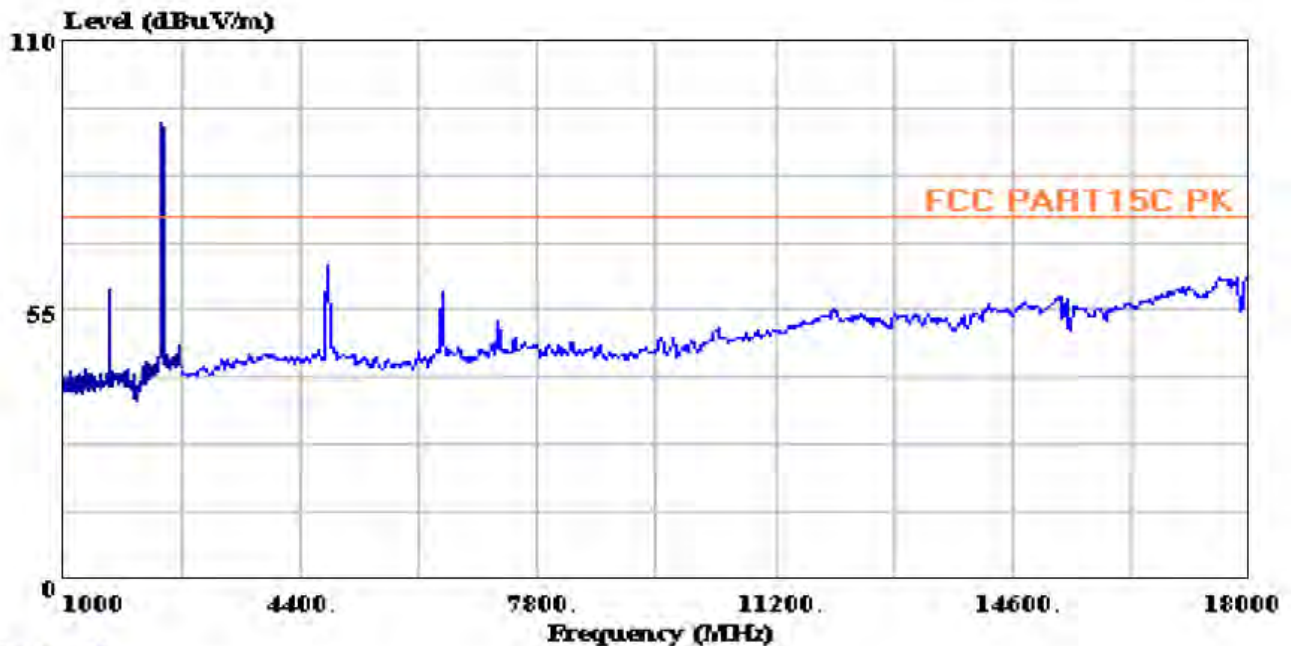
Test plots of EUT through USB cable connect to PC and position Y mode

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Data#: 97 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:36:04

**Trace: 96**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz



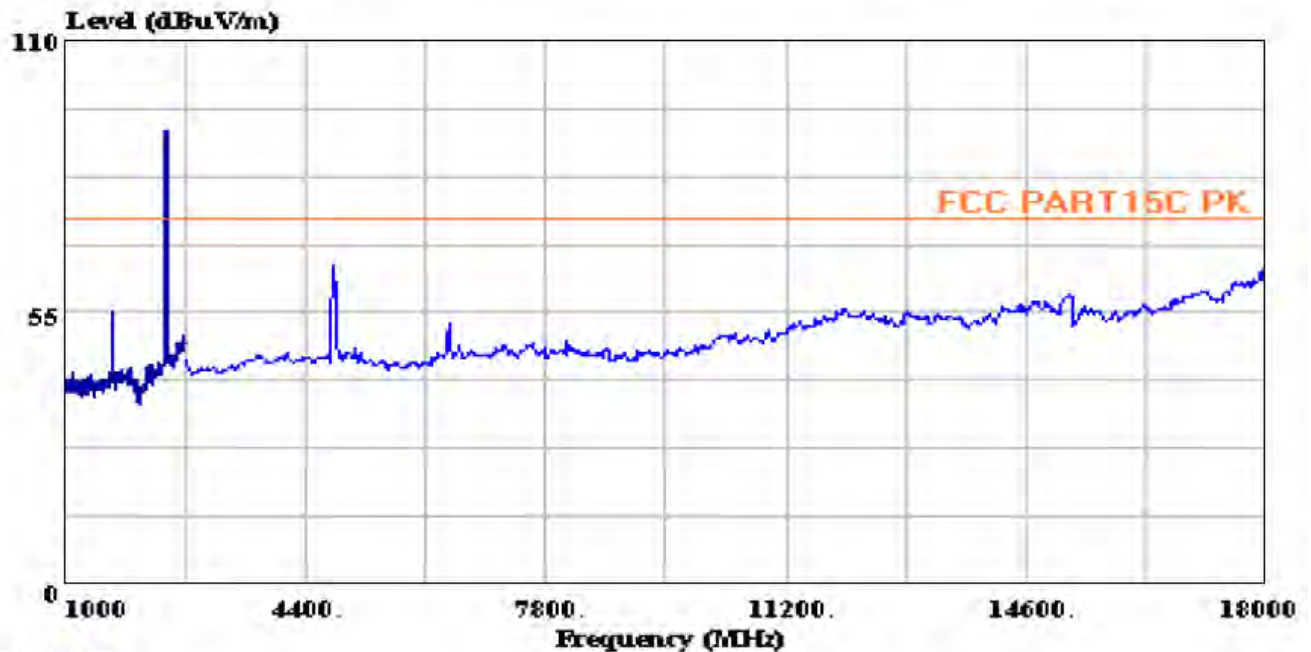
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Data#: 99 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:37:41

**Trace: 98**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz



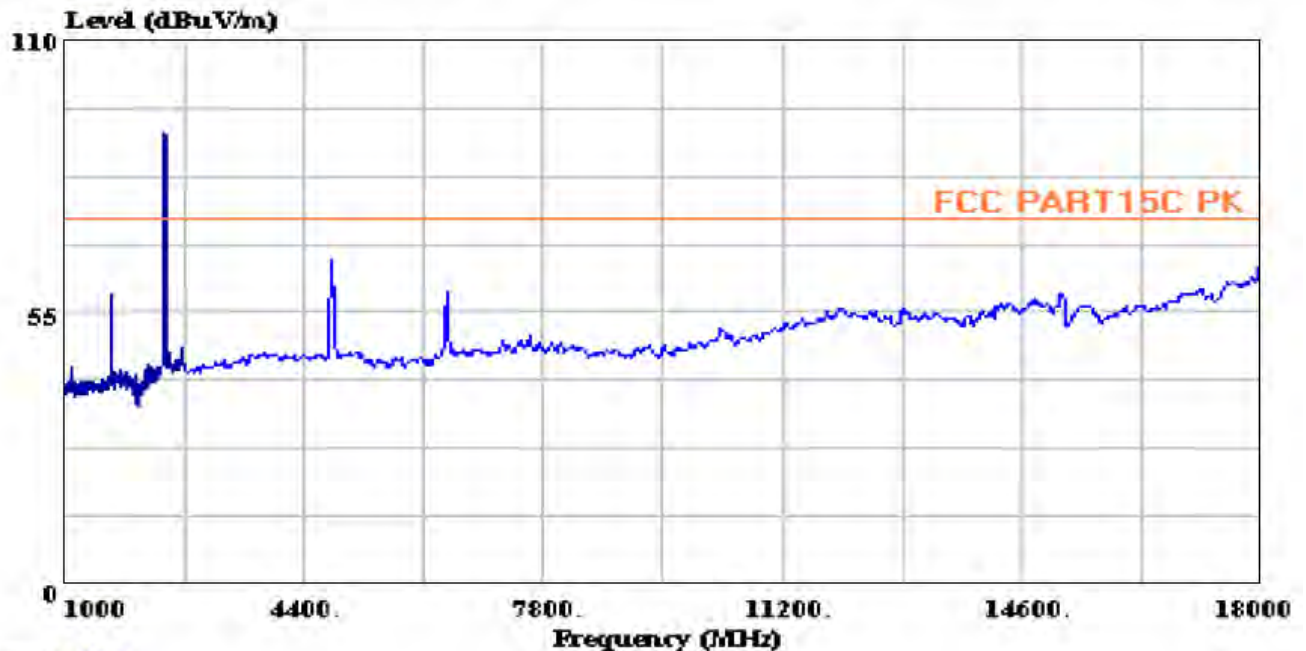
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Data#: 103 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:43:12

**Trace: 102**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

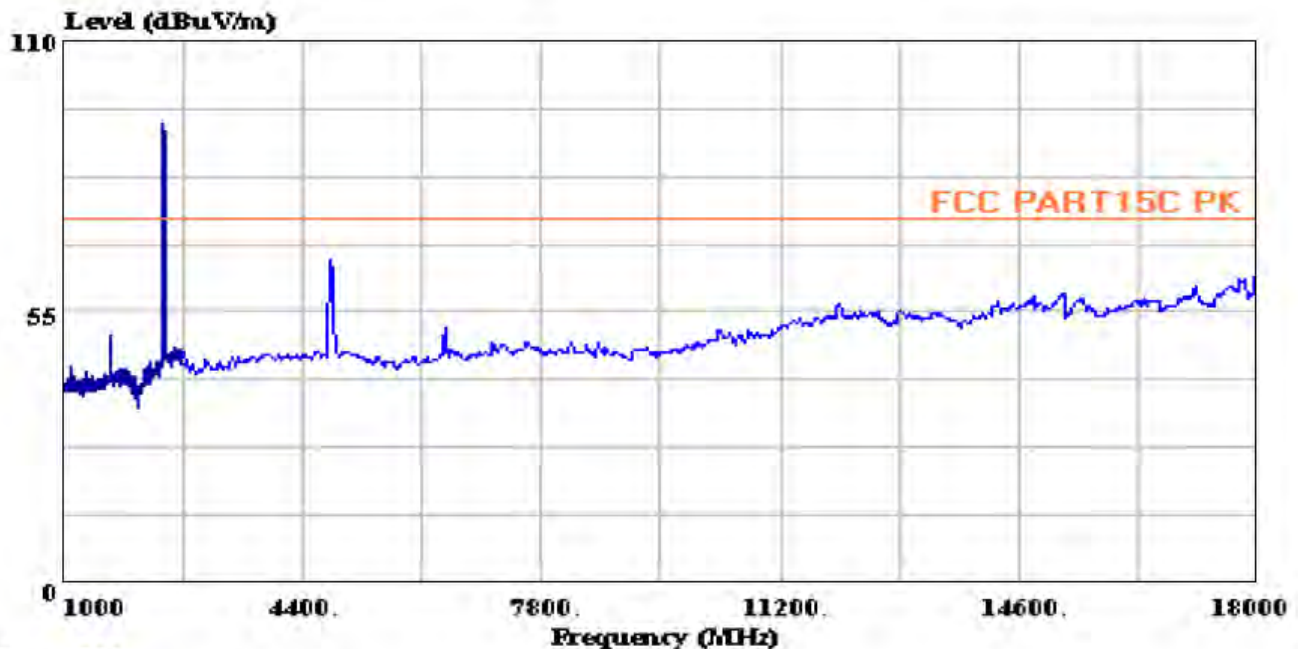


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Data#: 101 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:41:31

**Trace: 100**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

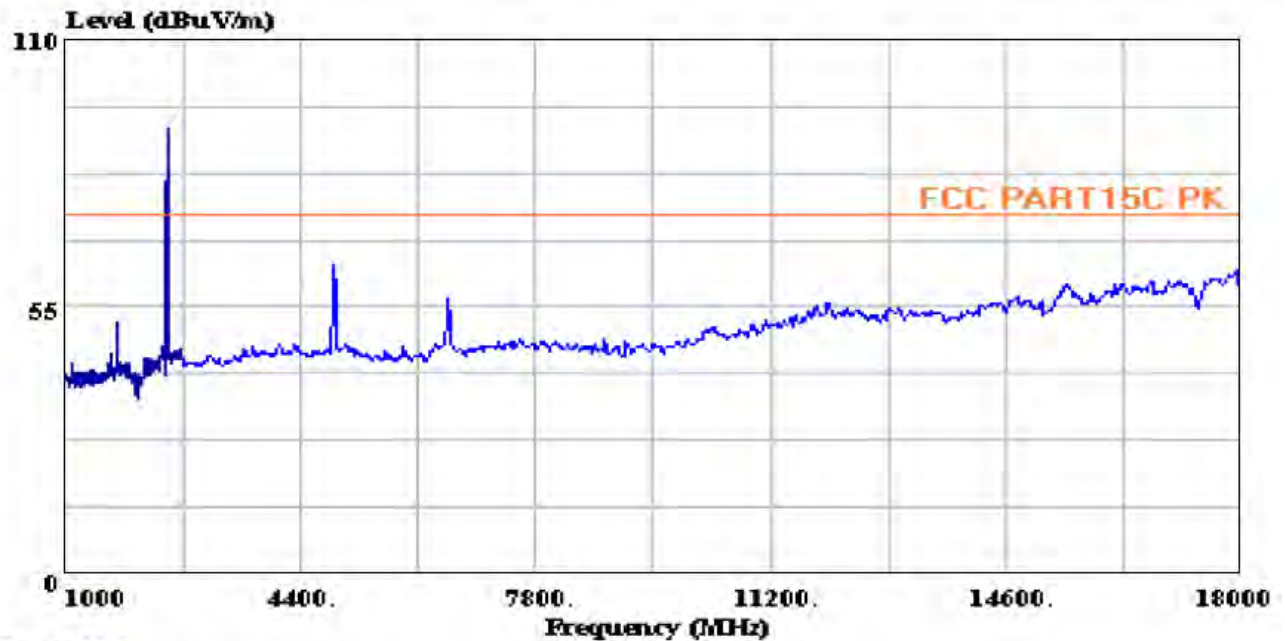


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Data#: 105 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:45:40

**Trace: 104**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz



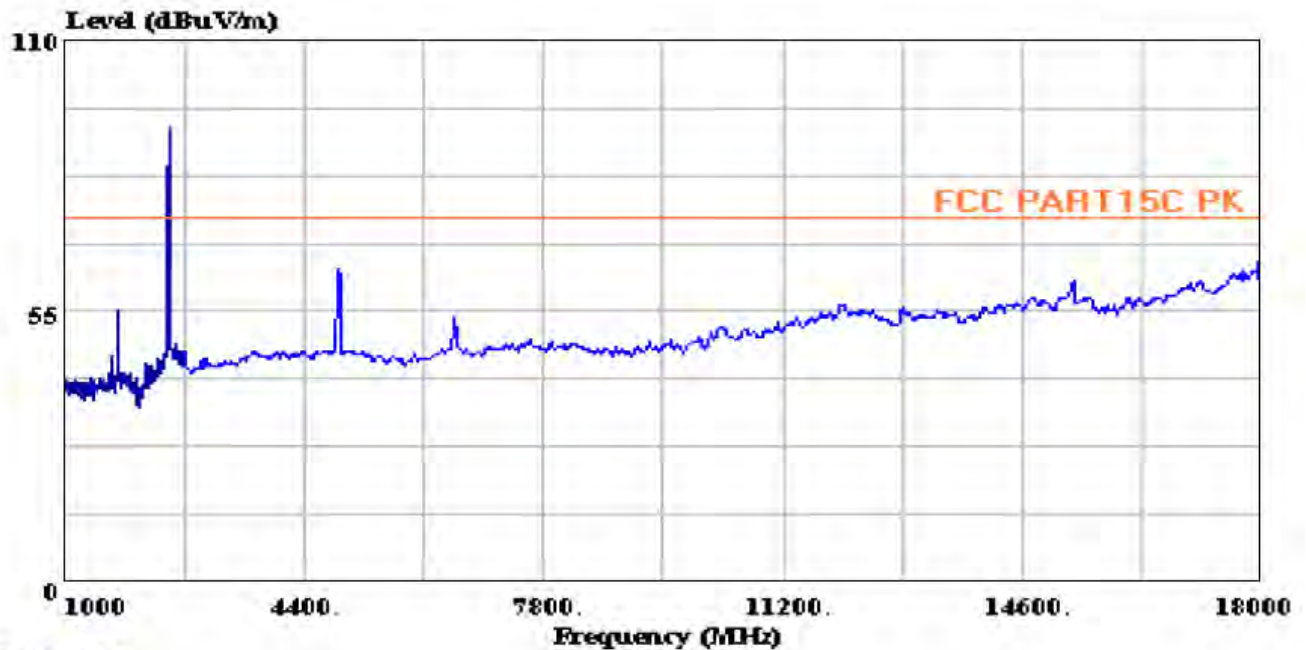
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Data#: 107 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:47:30

**Trace: 106**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz



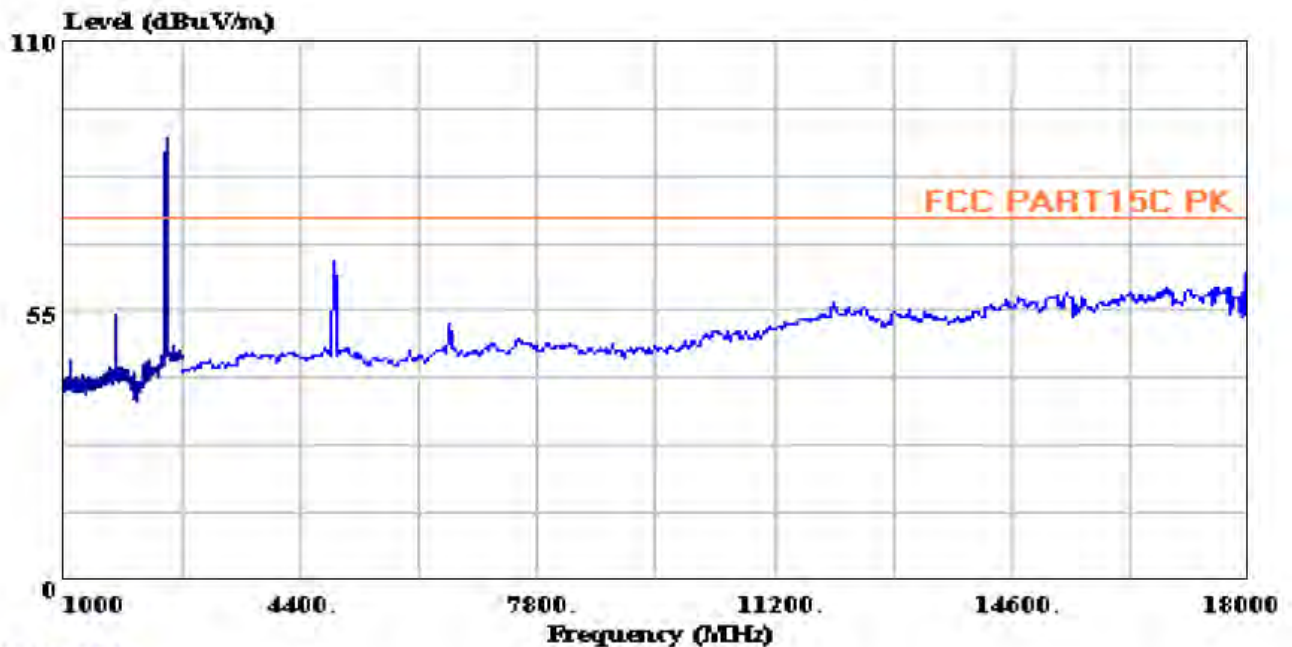
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Data#: 111 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:51:29

**Trace: 110**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz



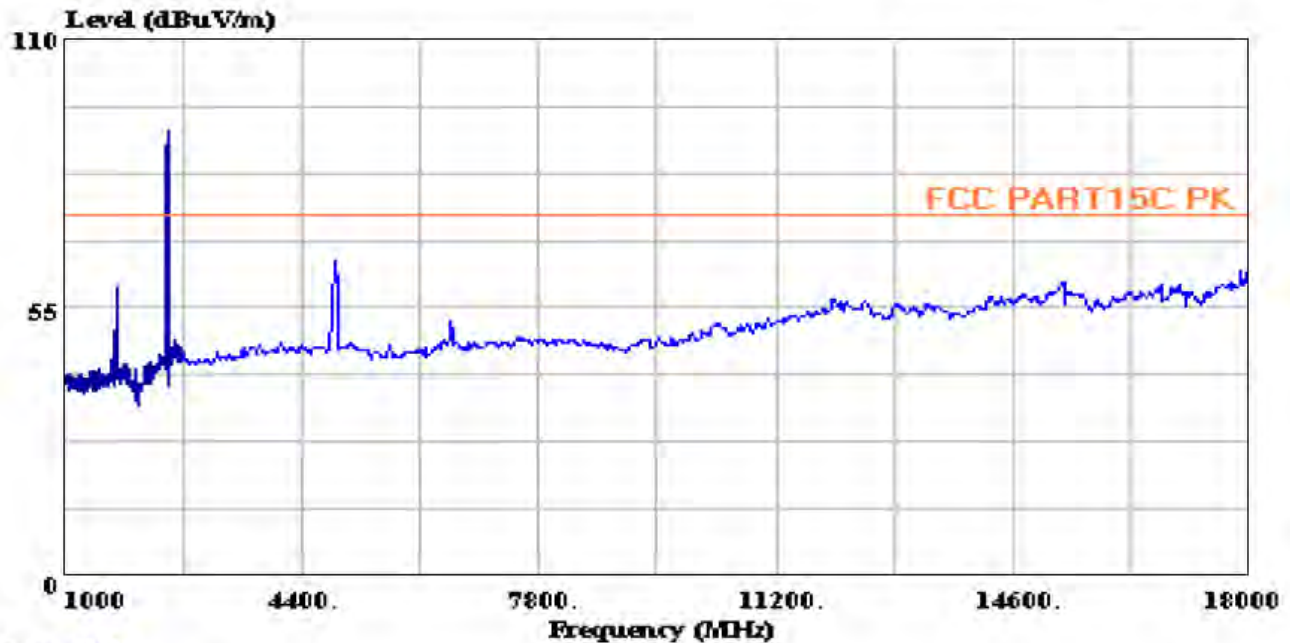
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Data#: 109 File#: D:\Radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:49:35

**Trace: 108**

Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

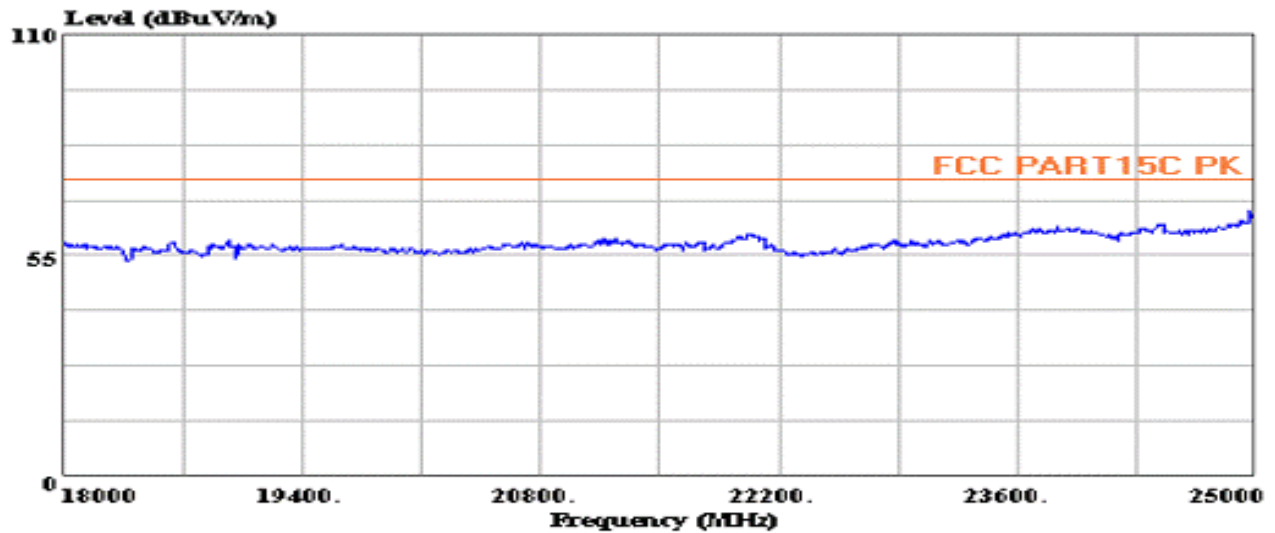


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Data#: 128 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:14:20



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

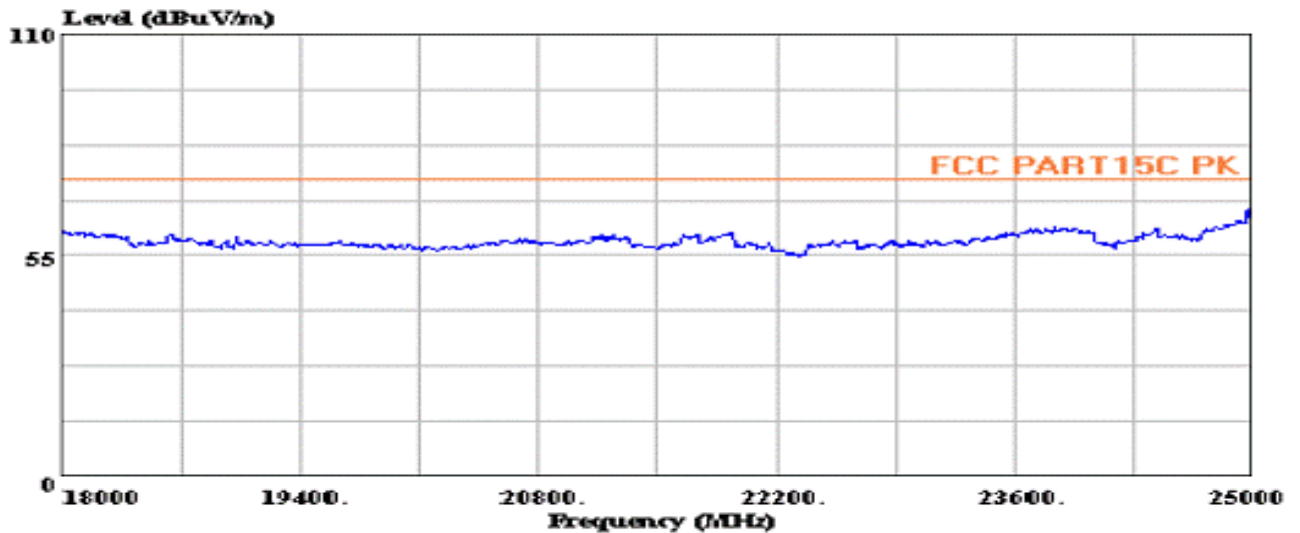


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Data#: 129 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:16:03



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

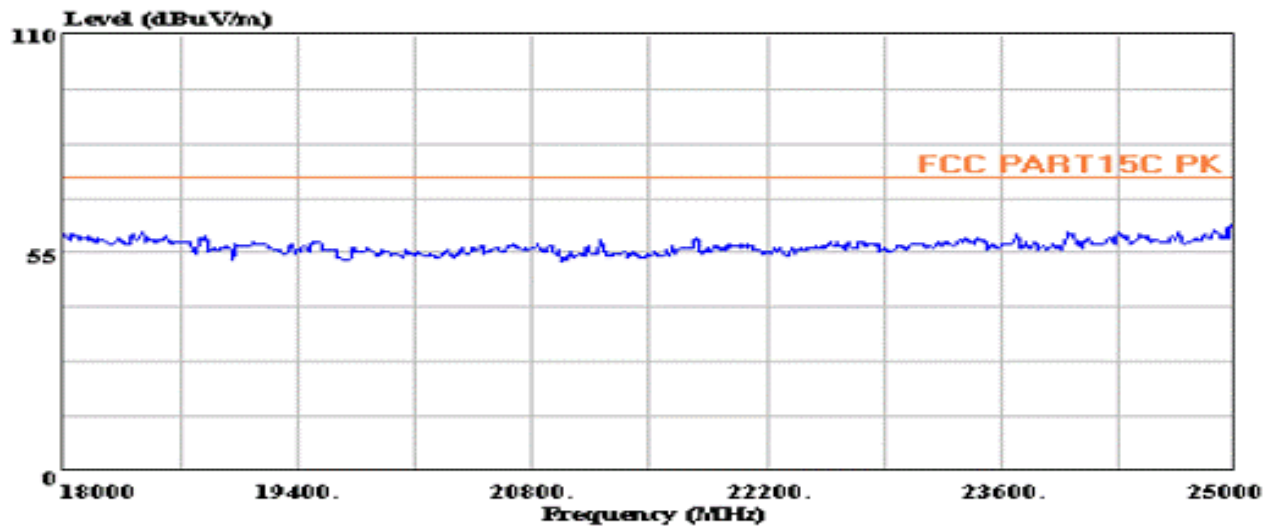


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Data#: 126 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:11:19



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

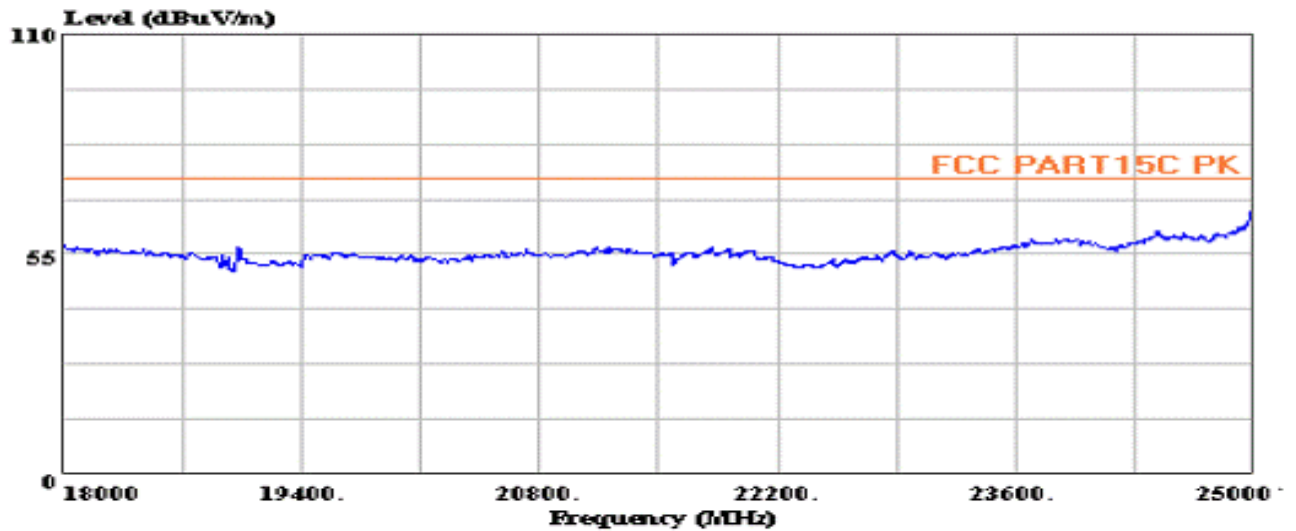


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Data#: 127 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:12:58



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH6 2437MHz

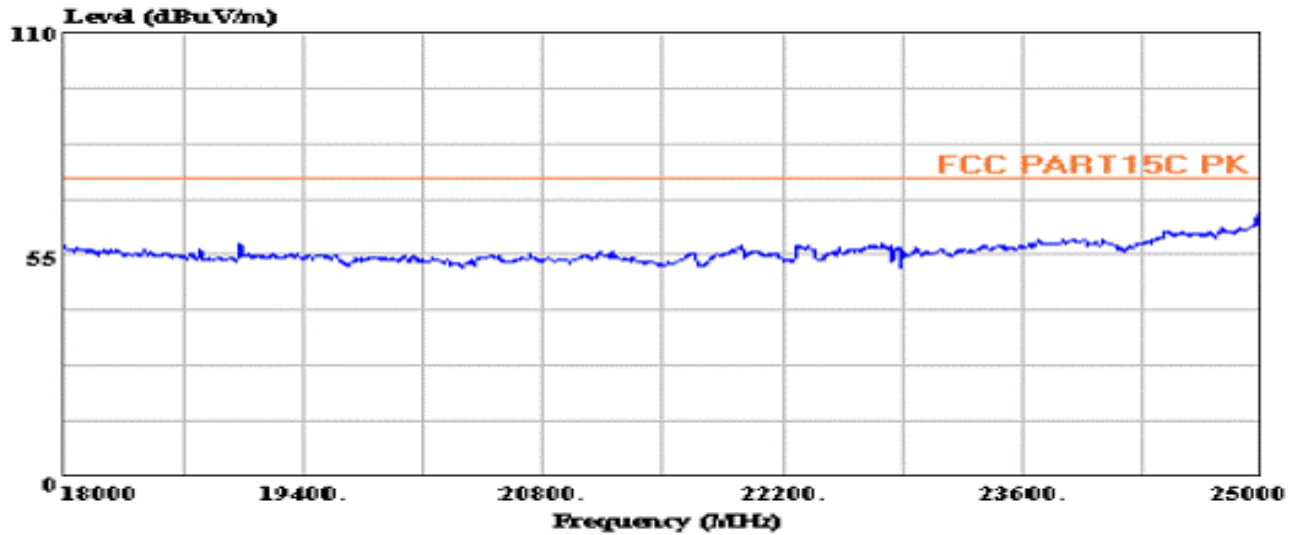


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Data#: 130 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:18:48



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

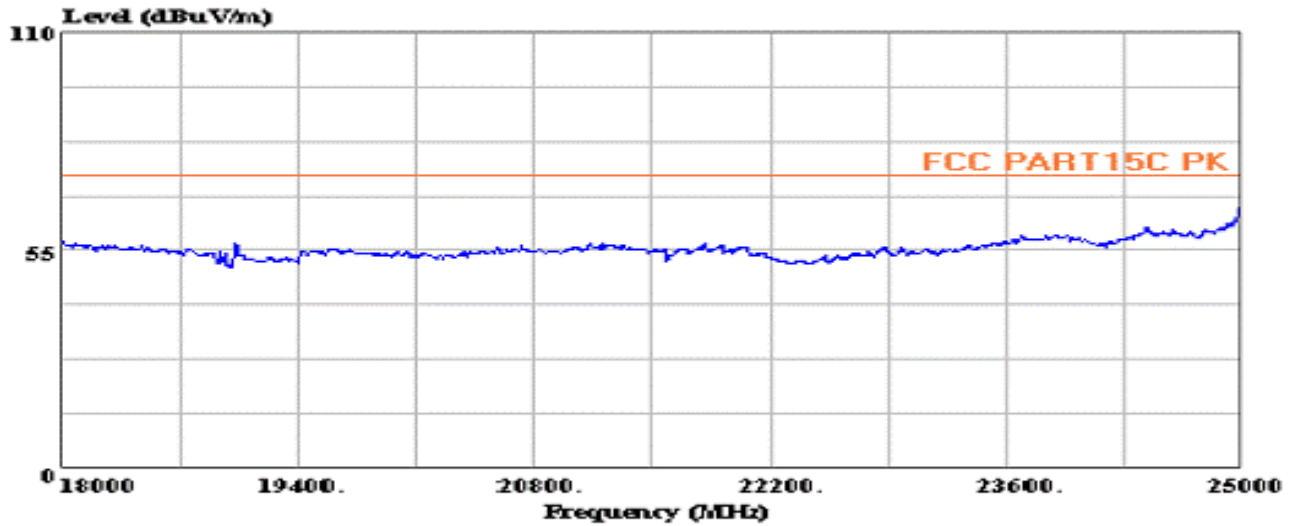


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Data#: 131 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:20:58



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

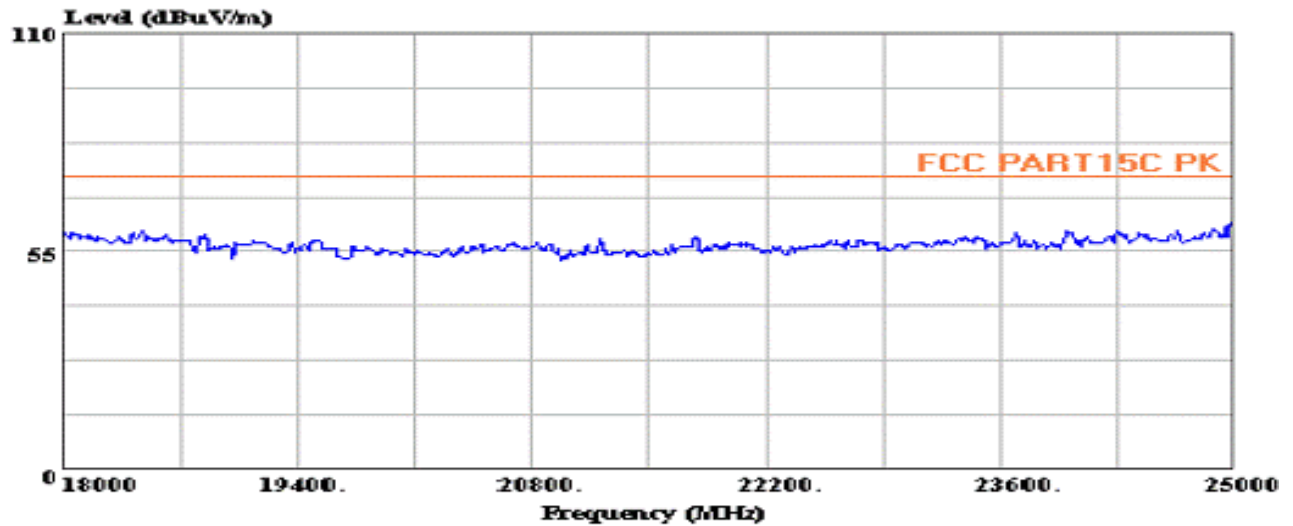


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Data#: 132 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:22:24



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz



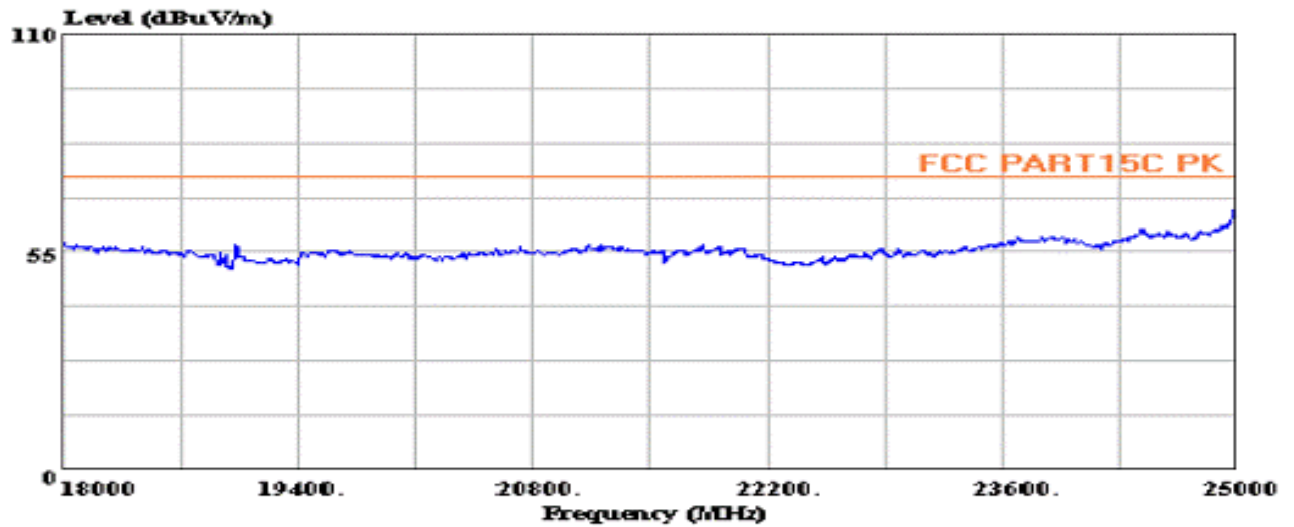
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Data#: 133 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:24:51



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

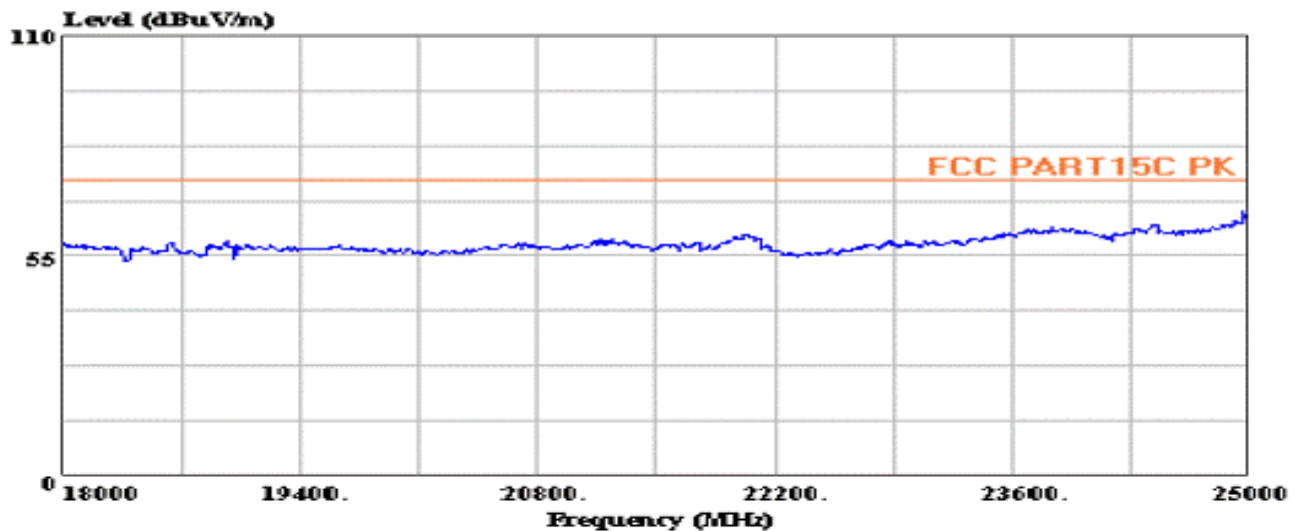


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Data#: 134 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:25:57



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

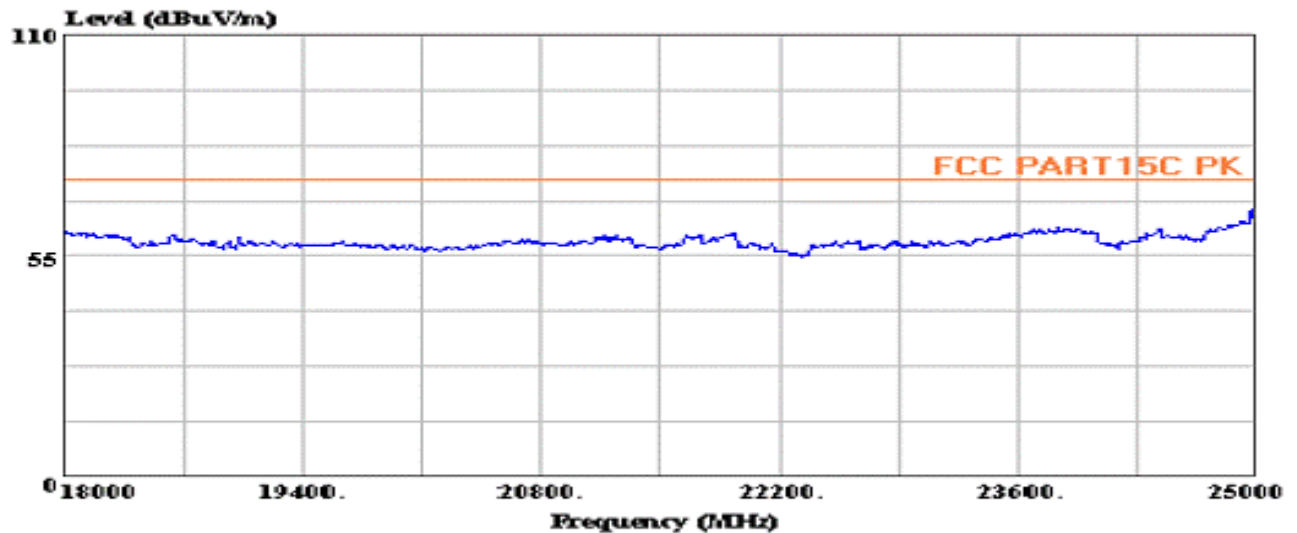


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Data#: 135 File#: \\966pcl\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:27:18



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH6 2437MHz

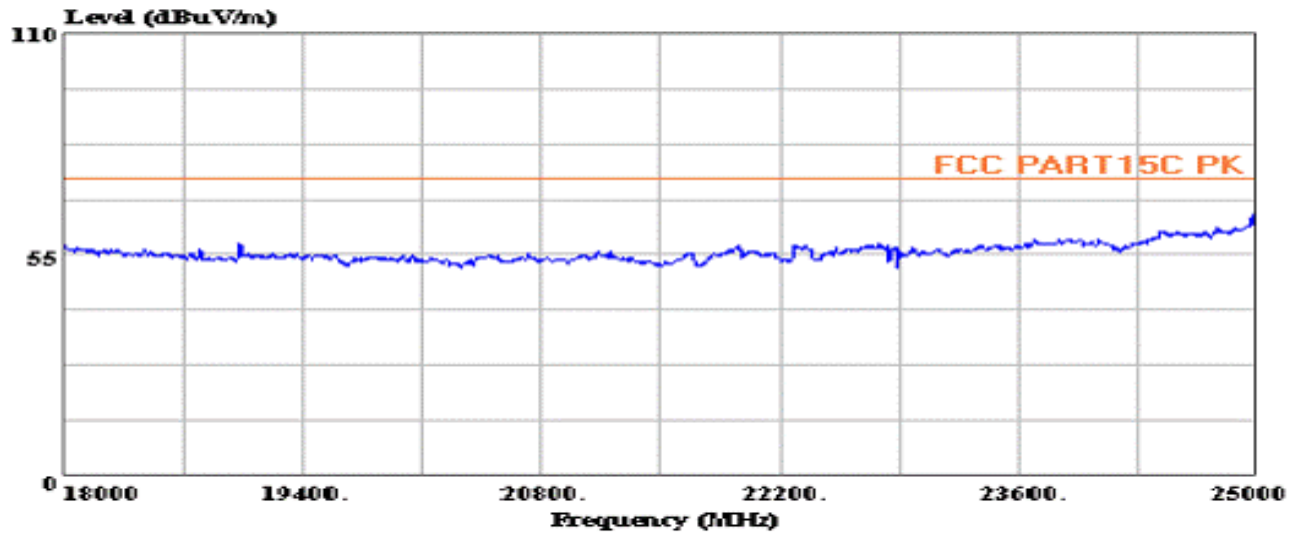


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Fax: 0769-85991080
Http://www.nasco.cn

Data#: 136 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:29:45



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

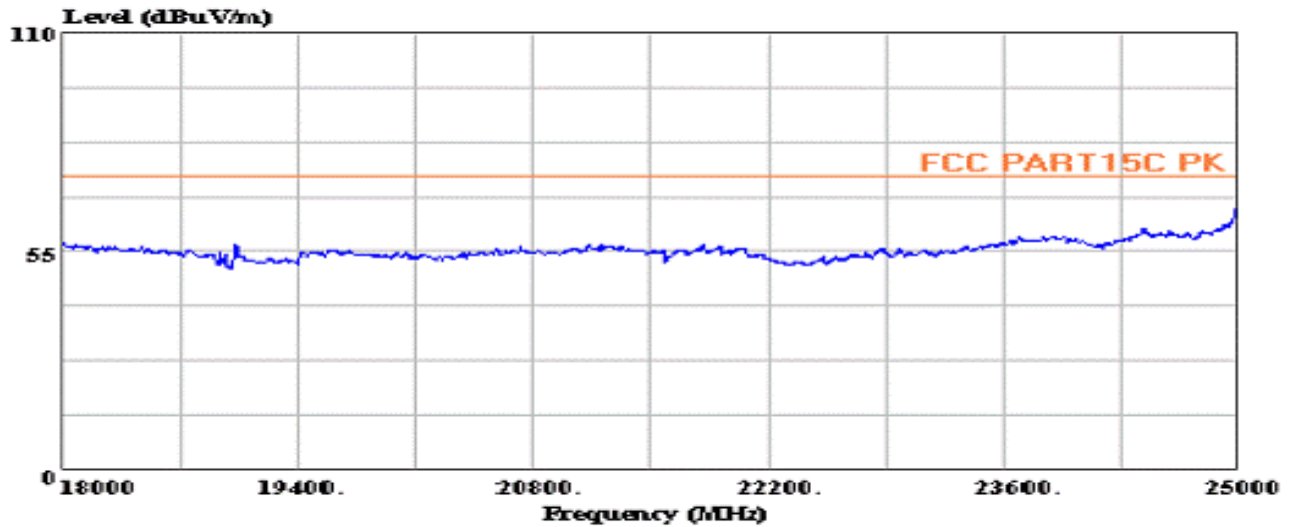


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Data#: 137 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 23:31:28



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz



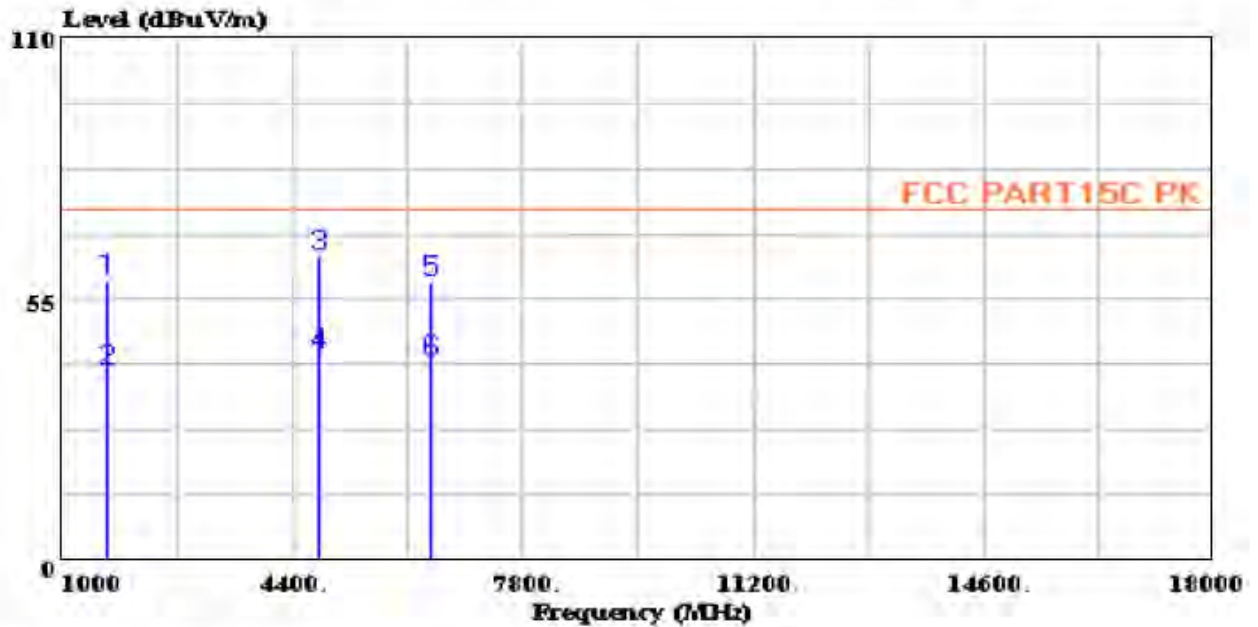
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Data#: 117 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:36:04



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1653.520	58.96	-15.04	74.00	28.08	2.17	28.71	Peak
2	1653.520	40.12	-13.88	54.00	9.24	2.17	28.71	Average
3	4778.840	64.21	-9.79	74.00	27.27	2.37	34.57	Peak
4	4778.840	43.36	-10.64	54.00	6.42	2.37	34.57	Average
5	6418.080	58.51	-15.49	74.00	19.50	2.48	36.53	Peak
6	6418.080	41.82	-12.18	54.00	2.81	2.48	36.53	Average



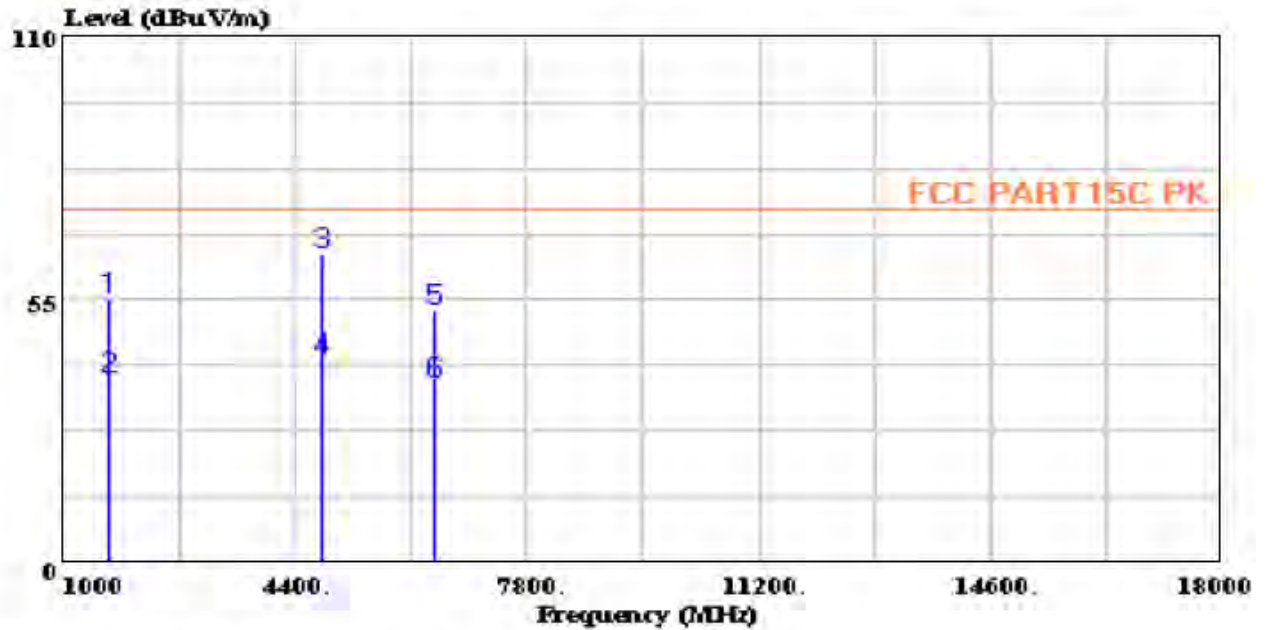
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Data#: 118 File#: \\966pc2\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:37:41



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1661.920	55.19	-18.81	74.00	24.19	2.17	28.83	Peak
2	1661.920	39.66	-15.34	54.00	7.66	2.17	28.83	Average
3	4794.160	64.84	-9.16	74.00	27.88	2.38	34.58	Peak
4	4794.160	42.39	-11.61	54.00	5.43	2.38	34.58	Average
5	6418.080	52.63	-21.37	74.00	13.62	2.48	36.53	Peak
6	6418.080	37.64	-16.36	54.00	-1.37	2.48	36.53	Average



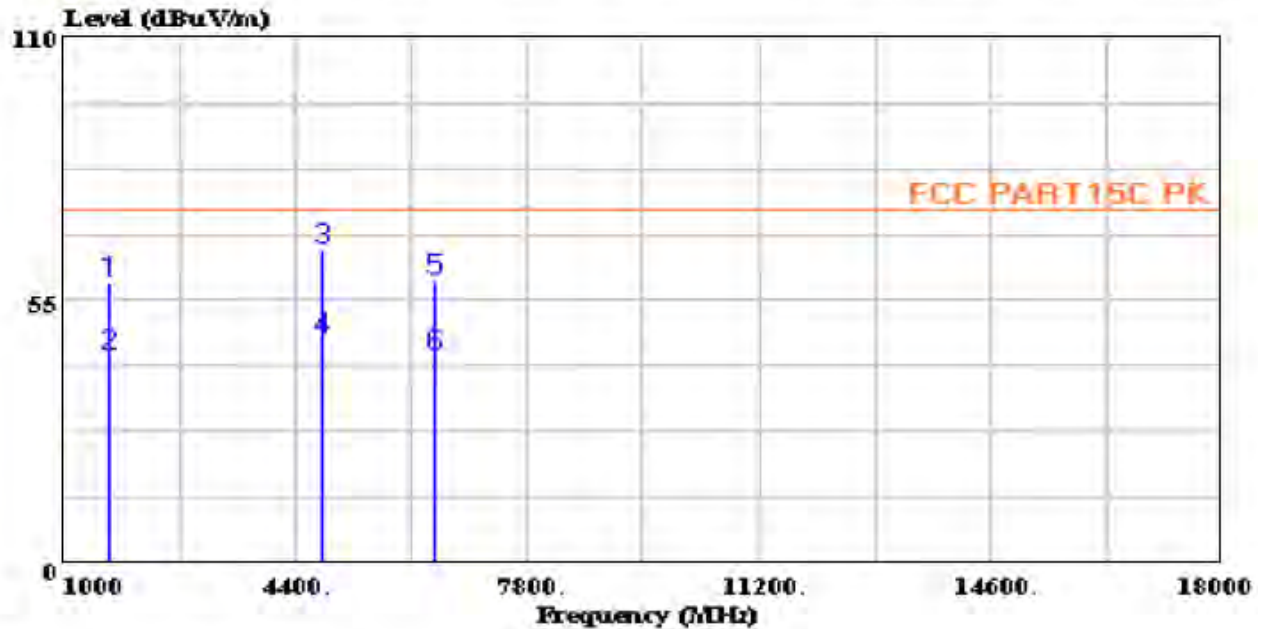
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Data#: 120 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:43:12



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 902.11g TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1650.160	58.88	-15.12	74.00	28.00	2.17	28.71	Peak
2	1650.160	43.36	-10.64	54.00	12.48	2.17	28.71	Average
3	4778.840	65.53	-8.47	74.00	28.59	2.37	34.57	Peak
4	4778.840	46.66	-7.34	54.00	9.72	2.37	34.57	Average
5	6418.080	59.40	-14.60	74.00	20.39	2.48	36.53	Peak
6	6418.080	43.37	-10.63	54.00	4.36	2.48	36.53	Average



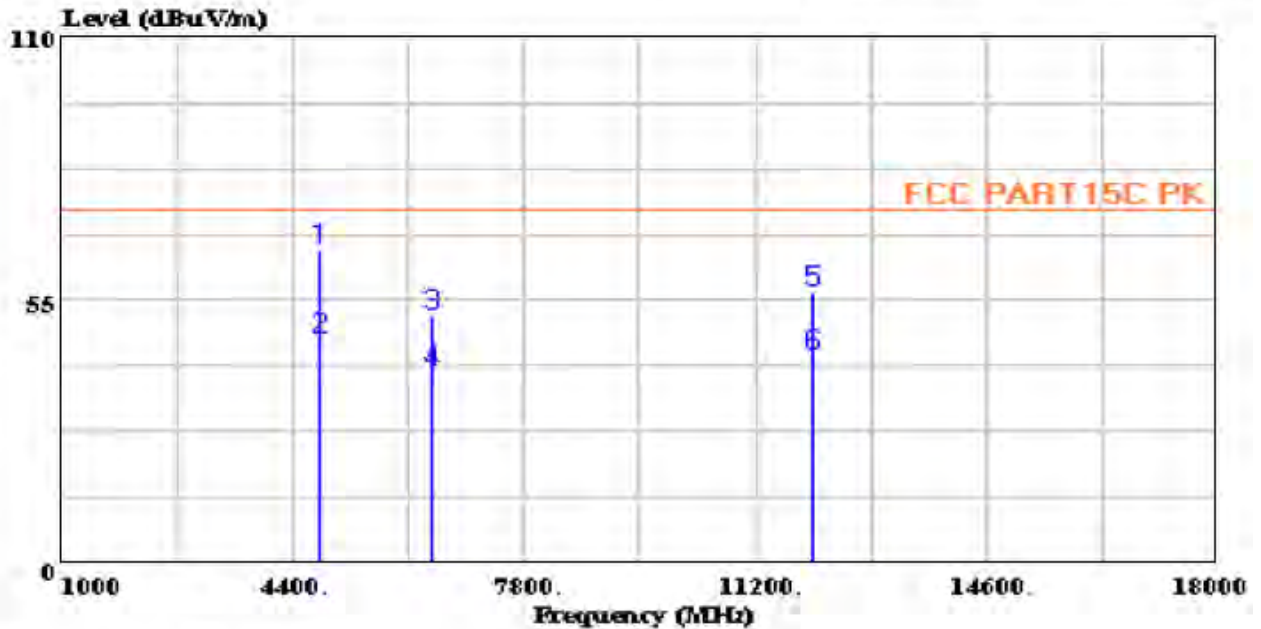
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Data#: 119 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:41:31



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH1 2412MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	4778.840	65.84	-8.16	74.00	28.90	2.37	34.57	Peak
2	4778.840	46.68	-7.32	54.00	9.74	2.37	34.57	Average
3	6418.080	51.83	-22.17	74.00	12.82	2.48	36.53	Peak
4	6418.080	39.82	-14.18	54.00	0.81	2.48	36.53	Average
5	12055.840	56.53	-17.47	74.00	13.89	2.82	39.82	Peak
6	12055.840	43.33	-10.67	54.00	0.69	2.82	39.82	Average



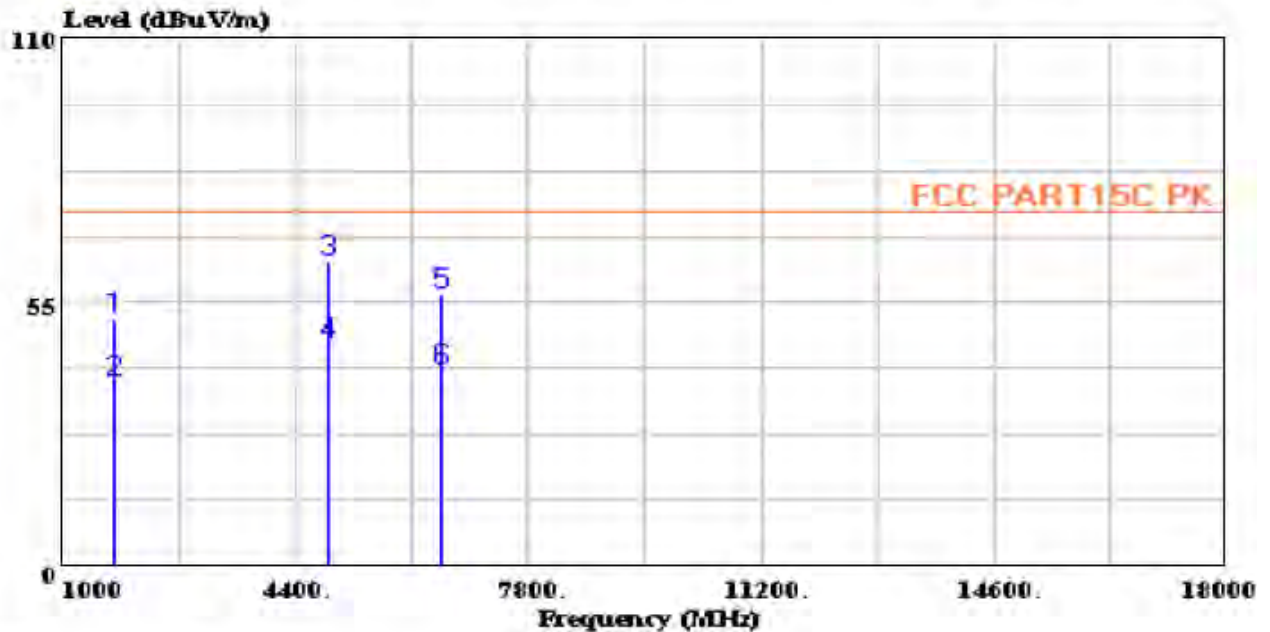
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Data#: 101 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:45:40



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

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	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1734.160	51.79	-22.21	74.00	20.35	2.17	29.27	Peak
2	1734.160	38.30	-15.70	54.00	6.86	2.17	29.27	Average
3	4886.080	63.86	-10.14	74.00	26.85	2.38	34.63	Peak
4	4886.080	46.61	-7.39	54.00	9.60	2.38	34.63	Average
5	6540.640	56.92	-17.08	74.00	17.81	2.48	36.63	Peak
6	6540.640	40.98	-13.02	54.00	1.87	2.48	36.63	Average



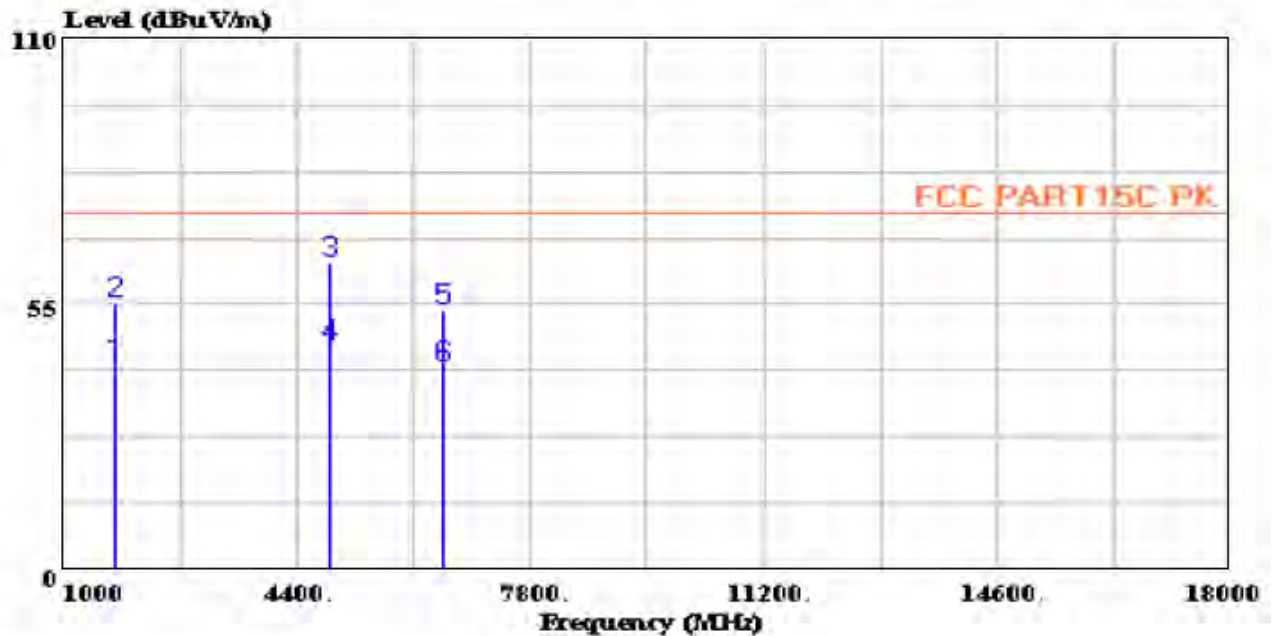
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Data#: 122 File#: \\966pc1\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:47:30



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11b TX CH11 2462MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1734.160	42.36	-11.64	54.00	10.92	2.17	29.27	Average
2	1734.160	55.49	-18.51	74.00	24.05	2.17	29.27	Peak
3	4886.080	63.76	-10.24	74.00	26.75	2.38	34.63	Peak
4	4886.080	46.18	-7.82	54.00	9.17	2.38	34.63	Average
5	6540.640	53.85	-20.15	74.00	14.74	2.48	36.63	Peak
6	6540.640	42.00	-12.00	54.00	2.89	2.48	36.63	Average



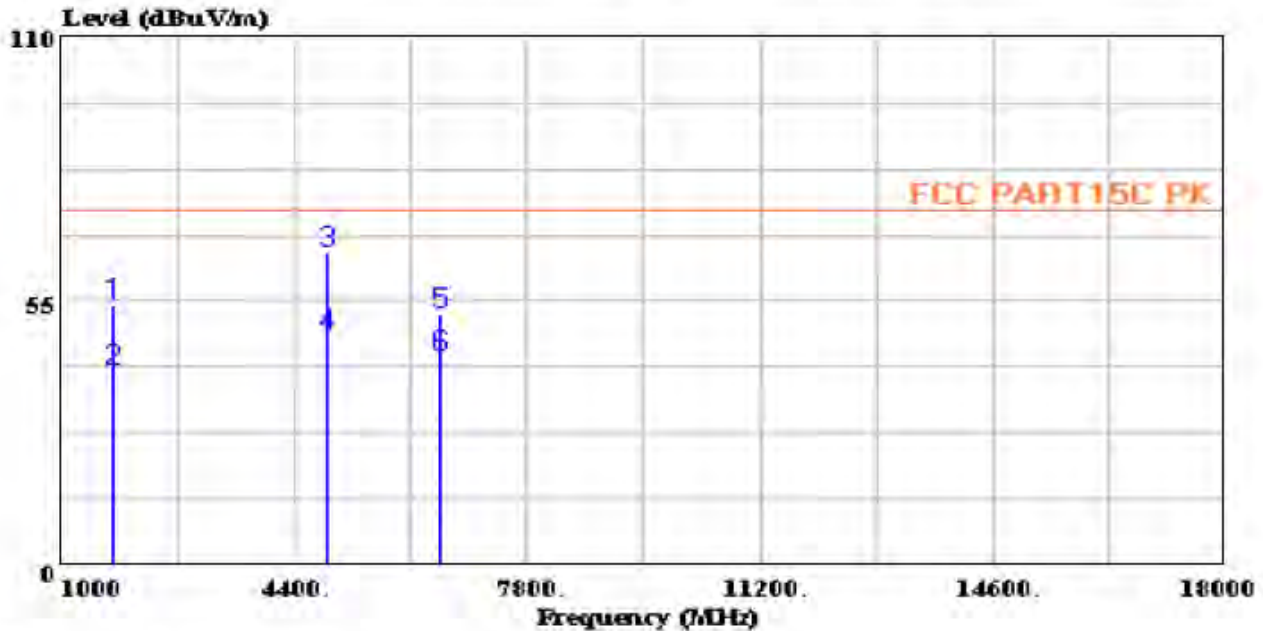
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Data#: 124 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:51:29



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 HORIZONTAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26'C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	1725.760	54.09	-19.91	74.00	22.65	2.17	29.27	Peak
2	1725.760	40.21	-13.79	54.00	8.77	2.17	29.27	Average
3	4886.080	65.08	-8.92	74.00	28.07	2.38	34.63	Peak
4	4886.080	47.62	-6.38	54.00	10.61	2.38	34.63	Average
5	6540.640	52.28	-21.72	74.00	13.17	2.48	36.63	Peak
6	6540.640	43.61	-10.39	54.00	4.50	2.48	36.63	Average



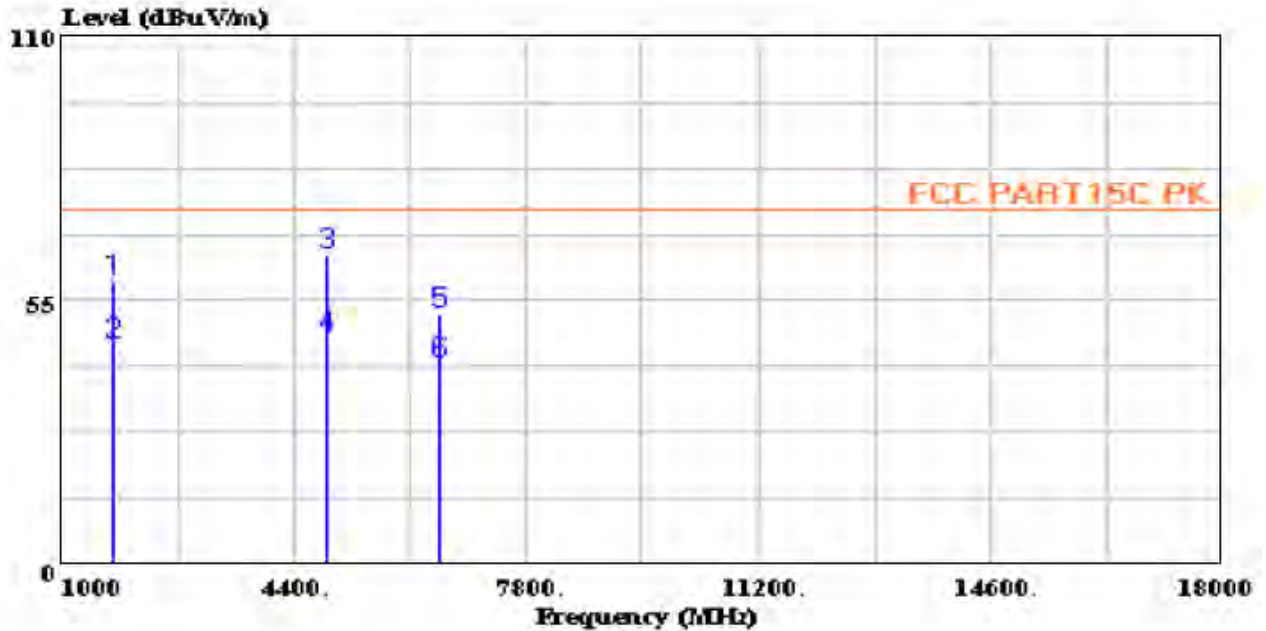
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Data#: 123 File#: \\966pci\radiation\T\TenDA.emi

Date: 2008-10-08 Time: 22:49:35



Site : 966 Chamber
Condition : FCC PART15C PK 3m 3117 VERTICAL
EUT : Wireless USB Adapter
M/N : W541U
Power : DC 5V FROM PC INPUT AC 120V/60Hz
Test Engineer: David
Comment : Temp:26°C Humi:56%
Memo : IEEE 802.11g TX CH11 2462MHz

Page: 1

	Freq	Level	Over	Limit	Read	Cable	Probe	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1	1725.760	59.04	-14.96	74.00	27.60	2.17	29.27	Peak
2	1725.760	48.68	-8.34	54.00	14.22	2.17	29.27	Average
3	4870.760	64.50	-9.50	74.00	27.50	2.38	34.62	Peak
4	4870.760	47.35	-6.65	54.00	10.35	2.38	34.62	Average
5	6540.640	52.26	-21.74	74.00	13.15	2.48	36.63	Peak
6	6540.640	41.80	-12.20	54.00	2.69	2.48	36.63	Average

