

APPLICATION FOR CERTIFICATION
On Behalf of

TP-LINK Technologies Co., Ltd

108M Wireless Access Point

Model Number: TL-WA601G

Prepared for : TP-LINK Technologies Co., Ltd
Building 7, Second Part, Honghualing Industrial Zone,
Xili town, Nanshan District, Shenzhen, China

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
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Report Number : ACS-F07443
Date of Test : Sep.11 ~Oct.11, 2007
Date of Report : Oct. 17, 2007

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TEST REPORT CERTIFICATION

Applicant : TP-LINK Technologies Co., Ltd
 Manufacturer : TP-LINK Technologies Co., Ltd
 EUT Description : 108M Wireless Access Point
 (A) MODEL NO. : TL-WA601G
 (B) SERIAL NO. : N/A
 (C) POWER SUPPLY : AC 9V From Adapter AC 120V/60Hz

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C 2007

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both radiated and conducted emissions.

The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Date of Test : Sep.11 ~Oct.11, 2007

Prepared by :

Daisy Ye

Daisy / Assistant

Reviewer :

Jiceman Hu

AUDIX 杰赛科技(深圳)有限公司
 Jiceman Hu / Supervisor
 Audix Technology (Shenzhen) Co., Ltd.
 EMC 部門報告專用章
 Stamp only for EMC Dept. Report
 Signature: *Ken Lu* 10/18/07

Approved & Authorized Signer :

Ken Lu / Deputy Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

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

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product name	:	108M Wireless Access Point
Model Number	:	TL-WA601G
Operation frequency	:	2.412GHz-----2.462GHz ISM Band
Channel Number	:	11
Channel frequency	:	$F = 2412 + 5(K-1)$ K=1,2,.....11
Radio Technology	:	IEEE 802.11b/g
Modulation Technology	:	DSSS for IEEE 802.11b and OFDM for IEEE802.11g
Output power	:	24.73dBm(measured)
Power	:	AC 9V From Adapter AC 120V/60Hz
Antenna Assembly Gain	:	4dBi (maximum)
Applicant	:	TP-LINK Technologies Co., Ltd Building 7, Second Part, Honghualing Industrial Zone, Xili town, Nanshan District, Shenzhen, China
Manufacturer	:	TP-LINK Technologies Co., Ltd Building 7, Second Part, Honghualing Industrial Zone, Xili town, Nanshan District, Shenzhen, China
Power Adapter	:	Manufacture: LEADER ELECTRONICS INC. M/N: A410908OT Cable: Unshielded, Detachable, 1.5m
LAN Cable	:	Unshielded, Detachable, 10m
Date of Test	:	Sep.11 ~Oct.11, 2007
Date of Receipt	:	Sep.10, 2007
Sample Type	:	Prototype production

2.2. Tested Supporting System Details

2.2.1. PC

EMC CODE : Test PC G
M/N : AG017PA#AB2
S/N : CN5470G18
Manufacturer : HP
Power cord : Unshielded, detachabled , 1.8m
FCC ID : By DoC
BSMI ID : R33001

2.2.2. MONITOR

EMC CODE : ACS-EMC-LM03R
M/N : 1907FPt
S/N : CN-009759-71618-6AP-ACPP
Manufacturer : DELL
Data Cable (VGA) : Shielded, Detachabled, 2.0m
Data Cable (DVI) : Shielded, Detachabled, 2.0m
Power Cord : Unshielded, Detachabled, 1.8m
FCC ID : By DoC
BSMI ID : R3A002

2.2.3. MOUSE

EMC CODE : ACS-EMC-M01R
M/N : M056UO
S/N : 512022645
Manufacturer : Dell
Data Cable : Shielded, Undetachabled, 1.8m
FCC ID : By DoC
BSMI ID : R41108

2.2.4. KEYBOARD

EMC CODE : ACS-EMC-K02R
M/N : SK-1688U
Manufacturer : Siltek
Data Cable : Shielded, Undetachabled, 1.3m
Add core
FCC ID : By DoC
BSMI ID : N/A

2.3. Test Facility

Site Description

- 3m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 90454
Jun. 13, 2006
- 3m & 10m Anechoic Chamber : Certificated by FCC, USA
Registration Number: 794232
Jan. 31, 2007
- EMC Lab. : Certificated by DATech, German
Registration Number: DAT-P-091/99-01
Feb. 02, 2004
- Certificated by NVLAP, USA
NVLAP Code: 200372-0
Apr.01, 2006
- Certificated by Nemko, Norway
Aut. No.: ELA135
April. 22, 2004
- Certificated by Industry Canada
Registration Number: IC 5183A-1
Jul. 28, 2004
- Name of Firm : Audix Technology (Shenzhen) Co., Ltd.
- Site Location : No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
Nantou, Shenzhen, Guangdong, China

2.4. Measurement Uncertainty

No.	Item	Uncertainty
1.	Uncertainty for Conducted Emission Test	1.22dB
2.	Uncertainty for Radiated Emission Test<1GHz	4.62dB
3.	Uncertainty for Radiated Emission Test>1GHz	4.79dB
4.	Uncertainty for conducted power measure	0.3265
5.	Uncertainty for Peak Power Density	0.3372
6.	Uncertainty for conducted Spurious Emission	0.3442
7.	Uncertainty for Bandwidth	1.0206×10^{-6}

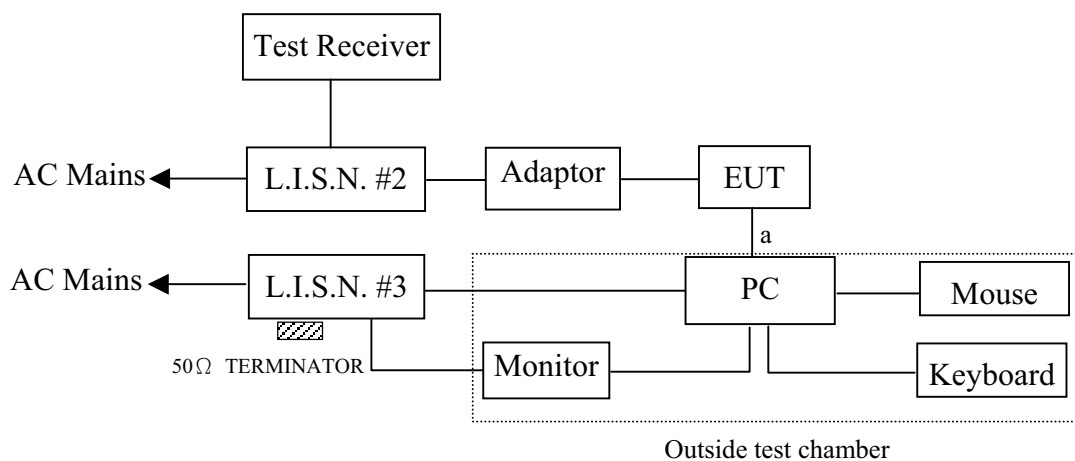
3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	May 11, 07	1 Year
2.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May 11, 07	1 Year
3.	L.I.S.N.#3	EMCO	3825/2	9006-1660	May 11, 07	1 Year
4.	Terminator	Hubersuhner	50Ω	No. 1	May 11, 07	1 Year
5.	RF Cable	MIYAZAKI	5D-2W	LISN Cable 1#	Aug.11, 07	1/2 Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	Aug.11, 07	1/2 Year
7.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100340	Aug.11, 07	1/2 Year

3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators



a: LAN Cable 10m

(EUT: 108M Wireless Access Point)

3.3. Power Line Conducted Emission Test Limits

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

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1.108M Wireless Access Point (EUT)

Model Number : TL-WA601G
Serial Number : N/A
Manufacturer : TP-LINK Technologies Co., Ltd

3.4.2.Support Equipment : As Tested Supporting System Detail, in Section 2.2..

3.5.Operating Condition of EUT

3.5.1.Setup the EUT and simulator as shown as Section 3.2.

3.5.2.Turn on the power of all equipment.

3.5.3.PC running the Control program which can make the EUT work in test mode (TX mode) and this PC was outside test chamber

3.6.Test Procedure

The EUT is connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). This provides a 50 ohm coupling impedance for the EUT. Please refer the block diagram of the test setup and photographs. The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#3). Power on the PC and let it work normally, we use a keyboard test soft ware, let EUT working in test mode, then test it. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Test.

The data rate was set 11Mbps for IEEE802.11b,54Mbps for IEEE802.11g and 108Mbps for IEEE802.11g Turbo Mode

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

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

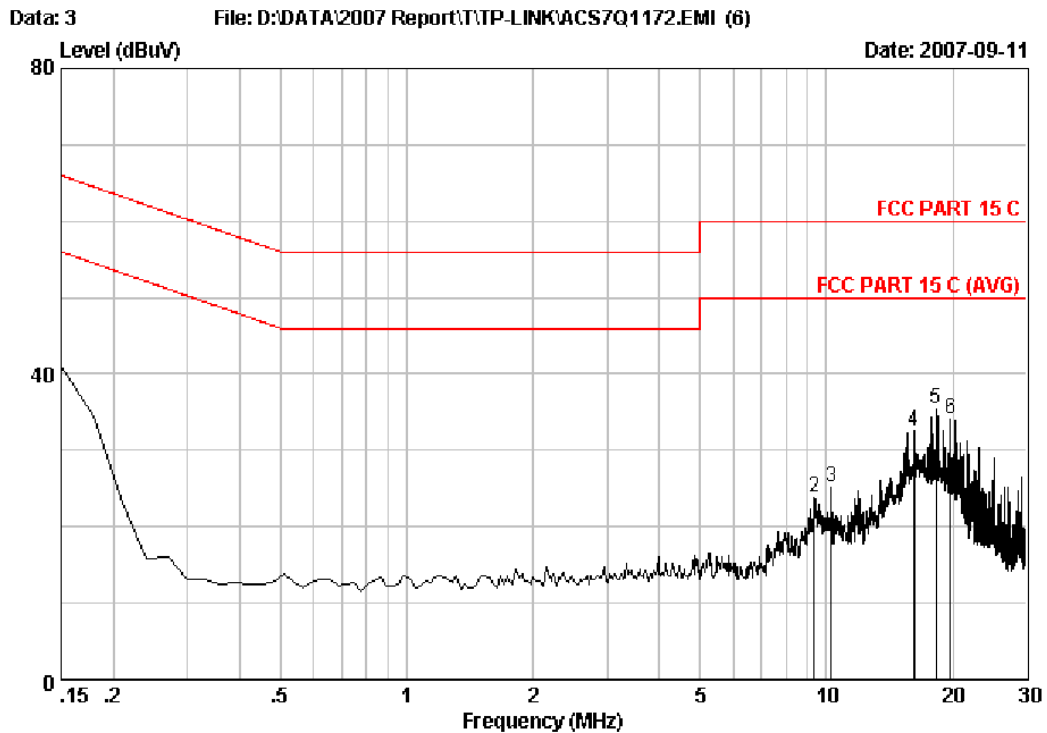
The test result are reported on Section 3.7.,

3.7.Power Line Conducted Emission Test Results

PASS.



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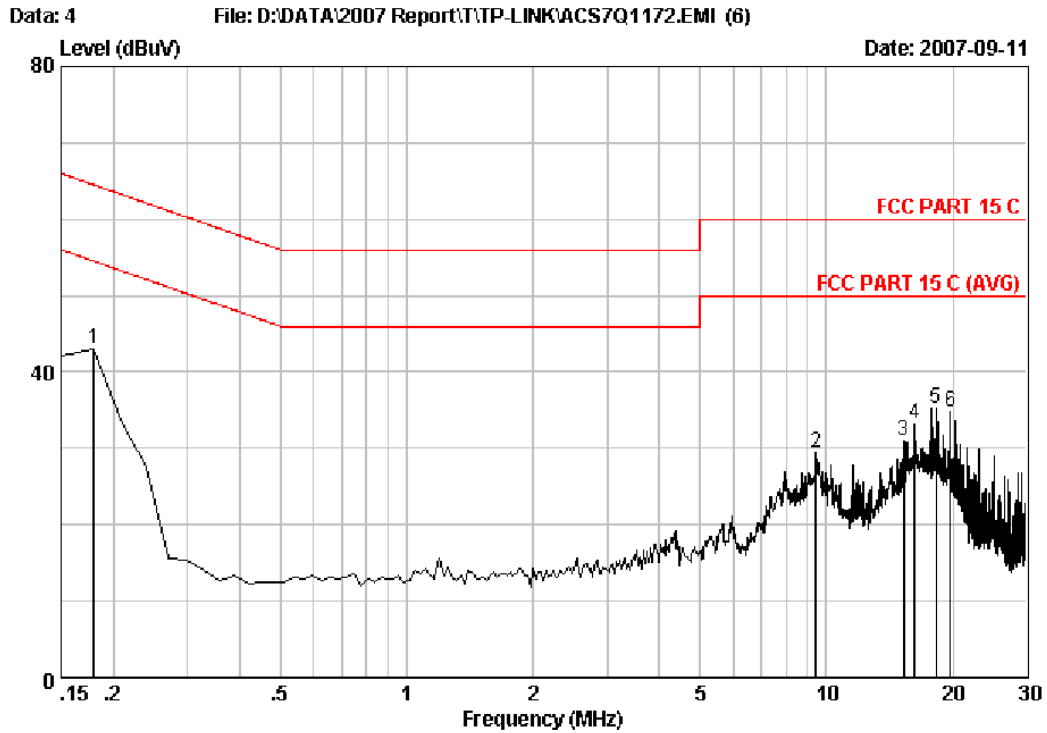
Site no. : Audix 1# Conduction Data no. : 3
 Dis. / Ant. : -- KNW407 VA (1#) LISN Phase :
 Limit : FCC PART 15 C
 Env. / Ins. : Temp:23° Humi:54% ESHS10 Engineer : Jany
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC9V From adpater 120V/60Hz
 Test Mode : TX Mode

Freq. (MHz)	LISN. Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission		Margin (dB)	Remark
				Level (dBUV)	Limits (dBUV)		
1	0.22	10.15	30.71	41.08	66.00	24.92	QP
2	0.17	10.24	13.52	23.93	60.00	36.07	QP
3	0.19	10.25	14.85	25.29	60.00	34.71	QP
4	0.35	10.31	21.95	32.61	60.00	27.39	QP
5	0.41	10.36	24.62	35.39	60.00	24.61	QP
6	0.45	10.38	23.37	34.20	60.00	25.80	QP

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



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Site no. : Audix 1# Conduction Data no. : 4
 Dis. / Ant. : -- KNW407 VB (1#) LISN Phase :
 Limit : FCC PART 15 C
 Env. / Ins. : Temp:23° Humi:54% ESHS10 Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC9V From adpater 120V/60Hz
 Test Mode : TX Mode

Freq. (MHz)	LISN. Factor (dB)	Cable Loss (dB)	Reading (dBUV)	Emission		Margin (dB)	Remark
				Level (dBUV)	Limits (dBUV)		
1	0.19	10.15	32.72	43.06	64.49	21.43	QP
2	0.15	10.25	19.08	29.48	60.00	30.52	QP
3	0.32	10.29	20.27	30.88	60.00	29.12	QP
4	0.35	10.31	22.54	33.20	60.00	26.80	QP
5	0.41	10.36	24.50	35.27	60.00	24.73	QP
6	0.45	10.38	23.85	34.68	60.00	25.32	QP

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

4. RADIATED EMISSION TEST

4.1. Test Equipment

The following test equipments are used during the radiated emission test:

4.1.1. For Anechoic Chamber

Frequency rang: 30~1000MHz

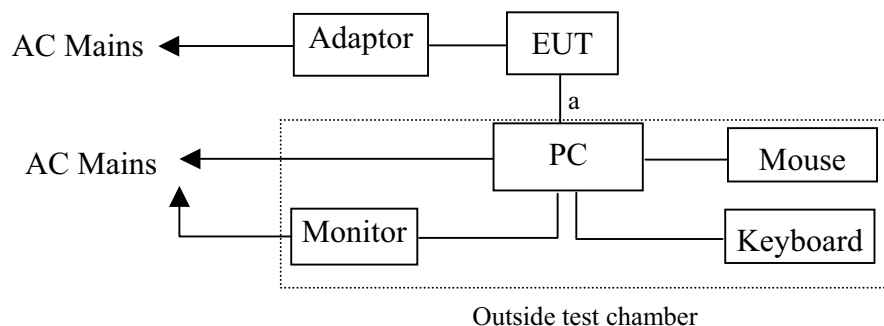
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	June.25.07	1/2 Year
2	EMI Spectrum	Agilent	E7403A	MY42000106	May 11, 07	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	May 11, 07	1 Year
4	Amplifier	HP	8447D	2944A07794	Sep.11, 07	1/2 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Feb.22, 07	1 Year
6	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.1	July. 16, 07	1/2 Year
7	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	July. 16, 07	1/2 Year
8	RF Cable	FUJIKURAw	RG-55/U	3# Chamber No.3	July. 16, 07	1/2 Year
9	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	July. 16, 07	1/2 Year
10	Coaxial Switch	Anritsu	MP59B	M73989	July. 16, 07	1/2 Year

Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4407B	MY41440292	May 11, 07	1 Year
2.	Amp	HP	8449B	3008A00863	May 11, 07	1 Year
3.	Antenna	EMCO	3115	9607-4877	Jan. 23, 07	1.5 Year
4.	HF Cable	Hubersuhne	Sucoflex104	-	May 11, 07	1 Year

4.2. Block Diagram of Test Setup

4.2.1. Block diagram of connection between the EUT and simulators

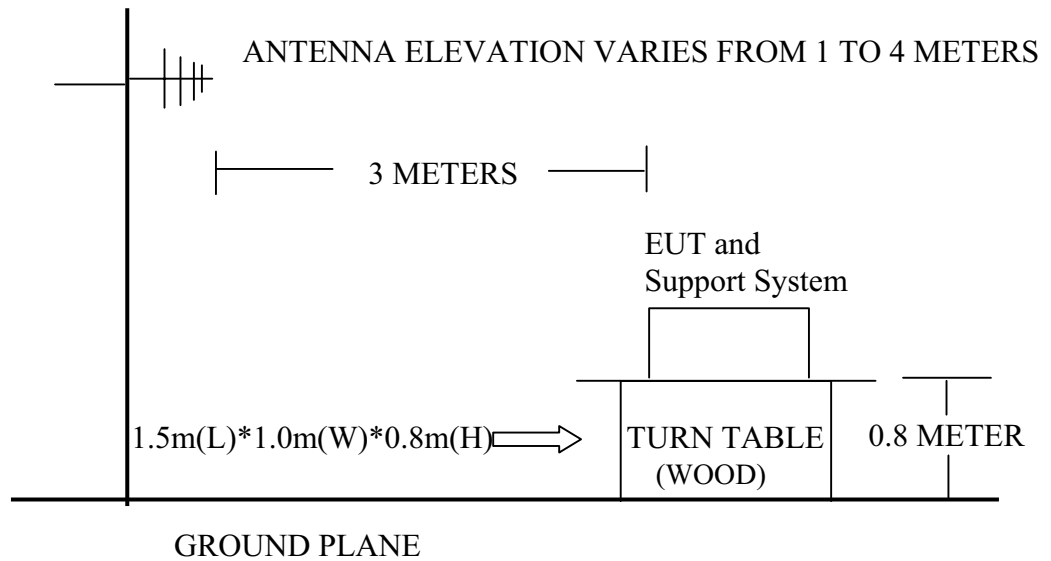


a: LAN Cable 10m

(EUT: 108M Wireless Access Point)

4.2.2. In Anechoic Chamber

ANTENNA TOWER



4.3. Radiated Emission Limit

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

- Remark :
- (1) Emission level $\text{dB}\mu\text{V} = 20 \log$ Emission level $\mu\text{V}/\text{m}$
 - (2) The smaller limit shall apply at the cross point between two frequency bands.
 - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4.1. 108M Wireless Access Point (EUT)

Model Number : TL-WA601G
 Serial Number : N/A
 Manufacturer : TP-LINK Technologies Co., Ltd

4.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.2.

4.5. Operating Condition of EUT

4.5.1. Setup the EUT and simulator as shown as Section 3.2.

4.5.2. Turn on the power of all equipment.

4.5.3. PC running the Control program which can make the EUT work in test mode (TX mode) and this PC was outside test chamber

4.6. Test Procedure

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

The data rate was set 11Mbps for IEEE802.11b, 54Mbps for IEEE802.11g and 108Mbps for IEEE802.11g Turbo Mode

The bandwidth of the EMI test receiver (R&S ESVS20) is set at 120kHz.

frequency range from 30MHz to 1000 MHz.

The bandwidth of the VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW 10Hz VBW for average emission above 1GHz

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

The test modes (IEEE 802.11b TX/ IEEE 802.11g TX) is tested in Anechoic Chamber and all the scanning waveforms are reported with antenna in horizontal and vertical polarization on Section 4.7.

4.7. Radiated Emission Test Results

PASS.

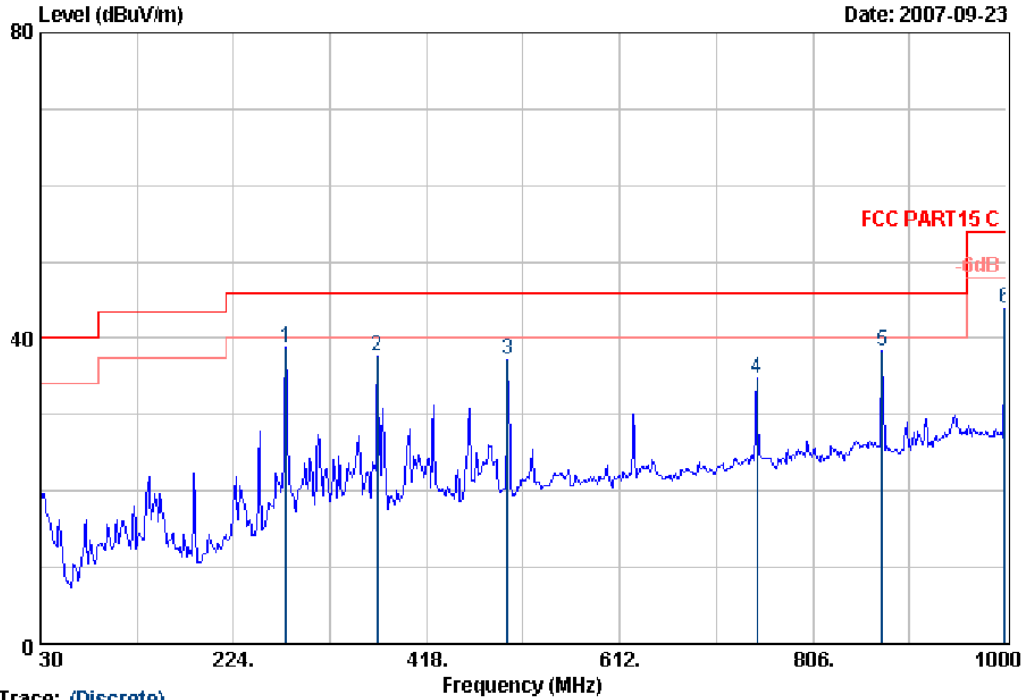
The frequency range from 30MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

All the emissions except fundamental from 18GHz~25GHz are at least 20dB below the limit, and do not record.



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Data: 7 File: D:\2007 Report Data\TTP-LINK\ACS7Q1172.EMI (9)



Trace: (Discrete)
 Site no. : 3# Chamber Radiation Data no. : 7
 Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART15 C
 Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From Adapter 120V/60Hz
 Test mode : TX mode

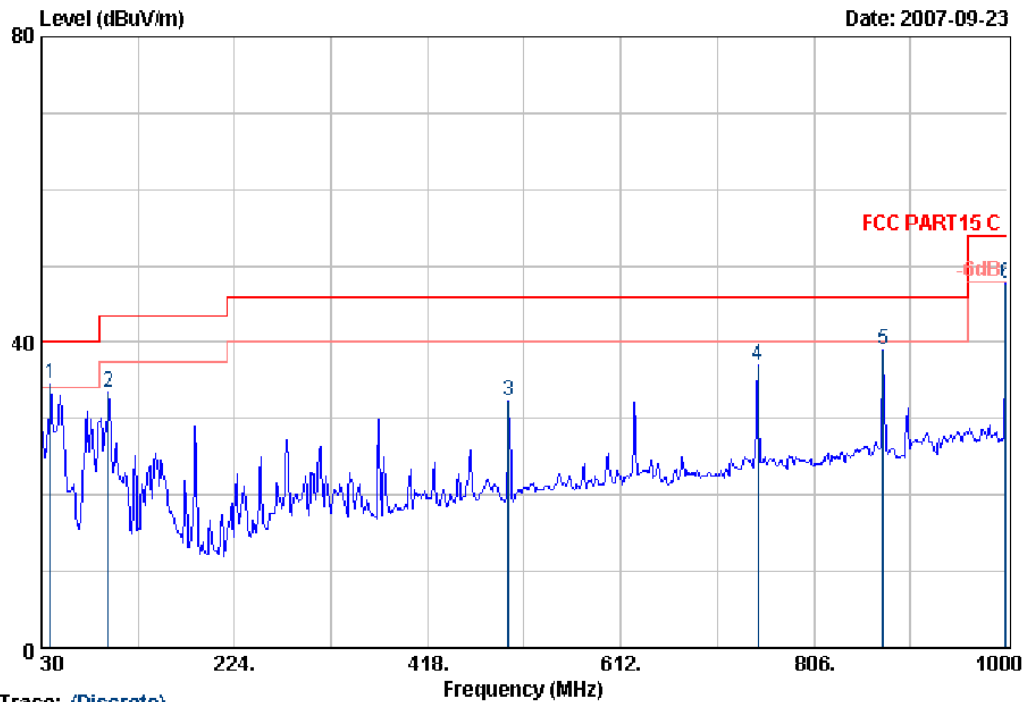
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	276.38	13.30	1.50	23.99	38.79	46.00	7.21	QP
2	368.53	15.47	1.78	20.32	37.57	46.00	8.43	QP
3	499.48	18.10	2.02	17.20	37.32	46.00	8.68	QP
4	749.74	21.90	2.59	10.18	34.67	46.00	11.33	QP
5	875.84	22.76	2.59	12.94	38.29	46.00	7.71	QP
6	999.03	24.02	2.66	17.11	43.79	54.00	10.21	QP

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



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Data: 6 File: D:\2007 Report Data\T\TP-LINK\ACS7Q1172.EMI (9)



Trace: (Discrete)
 Site no. : 3# Chamber Radiation Data no. : 6
 Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
 Limit : FCC PART15 C
 Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From Adapter 120V/60Hz
 Test mode : TX mode

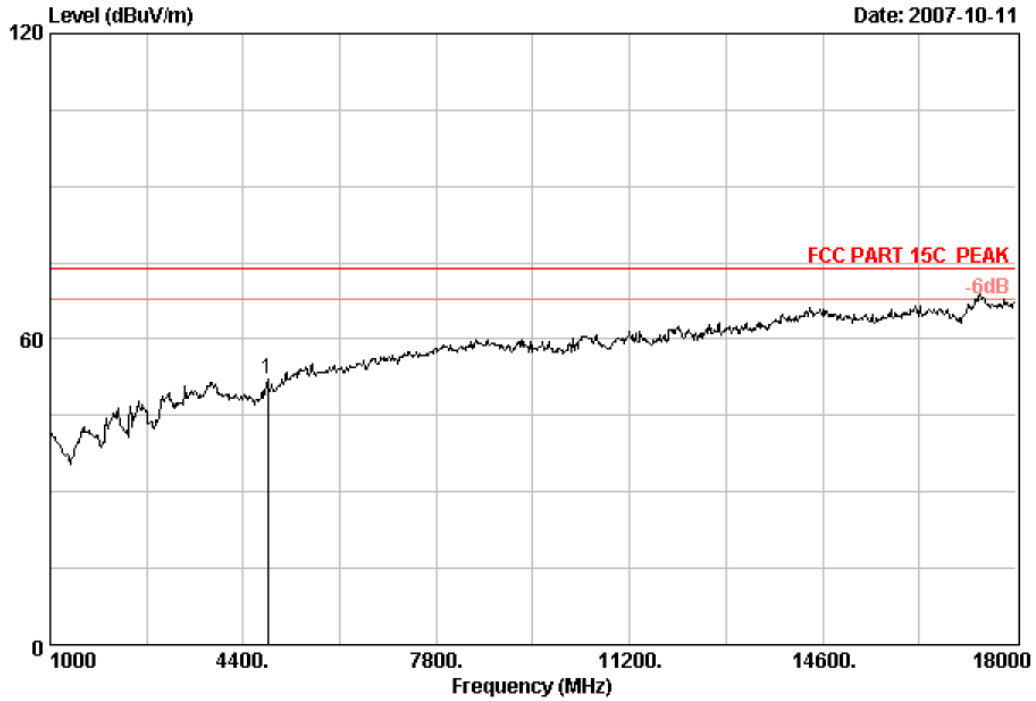
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	38.73	14.82	0.73	18.93	34.48	40.00	5.52	QP
2	96.93	9.98	1.08	22.38	33.44	43.50	10.06	QP
3	499.48	18.10	2.02	12.30	32.42	46.00	13.58	QP
4	749.74	21.90	2.59	12.60	37.09	46.00	8.91	QP
5	875.84	22.76	2.59	13.64	38.99	46.00	7.01	QP
6	999.03	24.02	2.66	20.95	47.63	54.00	6.37	QP

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



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Data: 42 File: D:\2007 Report\T\TP-Link\ACS7Q1172.EMI (67)



Site no. : Data no. : 42
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH1 2412MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4824.00	34.02	10.55	34.49	41.96	52.04	74.00	21.96	Peak

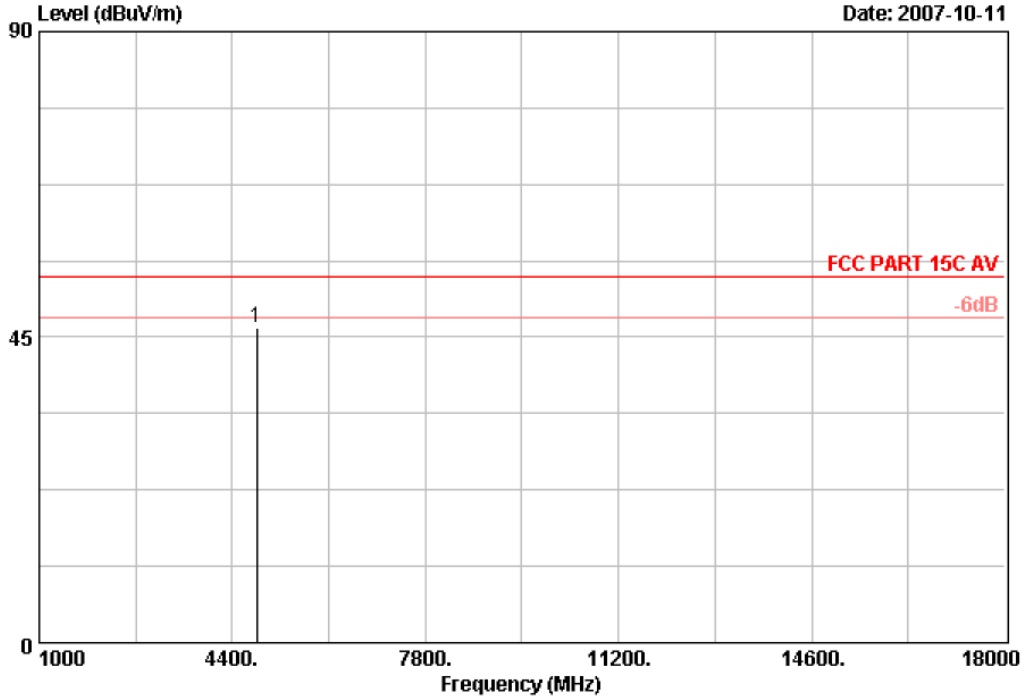
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-10-11



Site no. : Data no. : 43
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH1 2412MHz

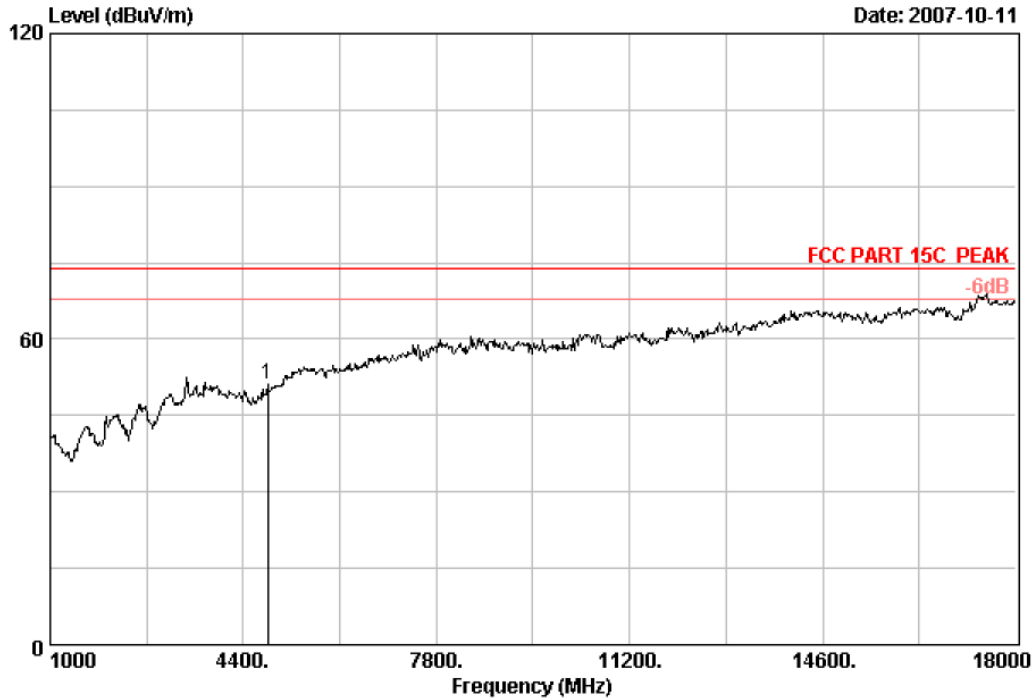
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission			Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 4824.00	34.02	10.55	34.49	36.26	46.34	54.00	7.66	Average

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



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Site no. : Data no. : 40
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH1 2412MHz

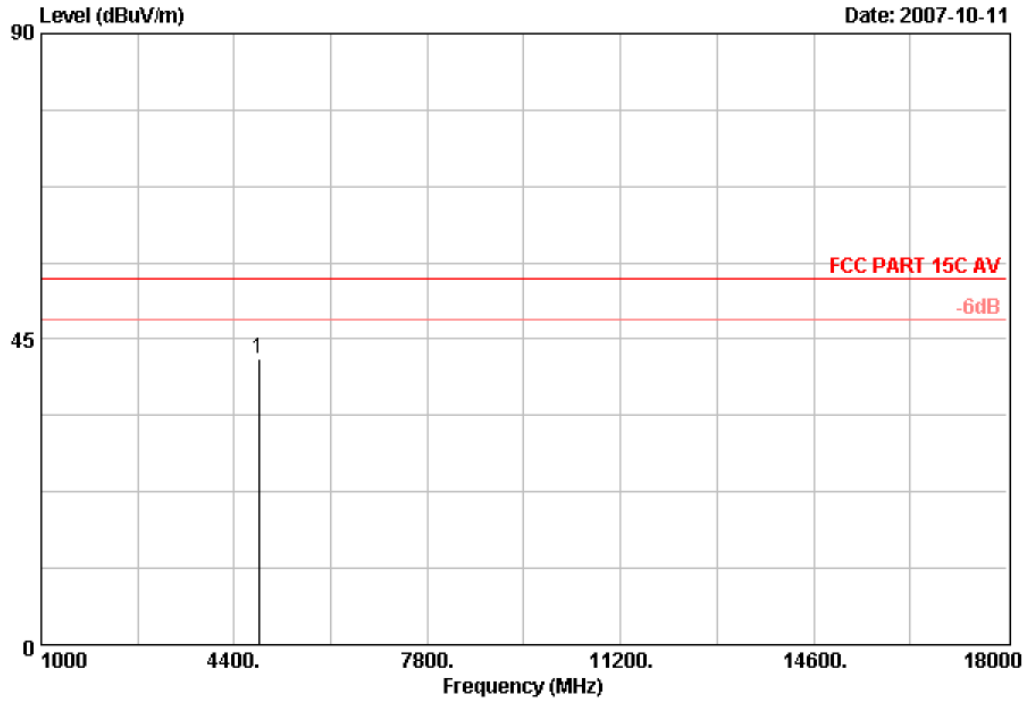
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4824.00	34.02	10.55	34.49	41.01	51.09	74.00	22.91	Peak

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



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Site no. : Data no. : 41
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH1 2412MHz

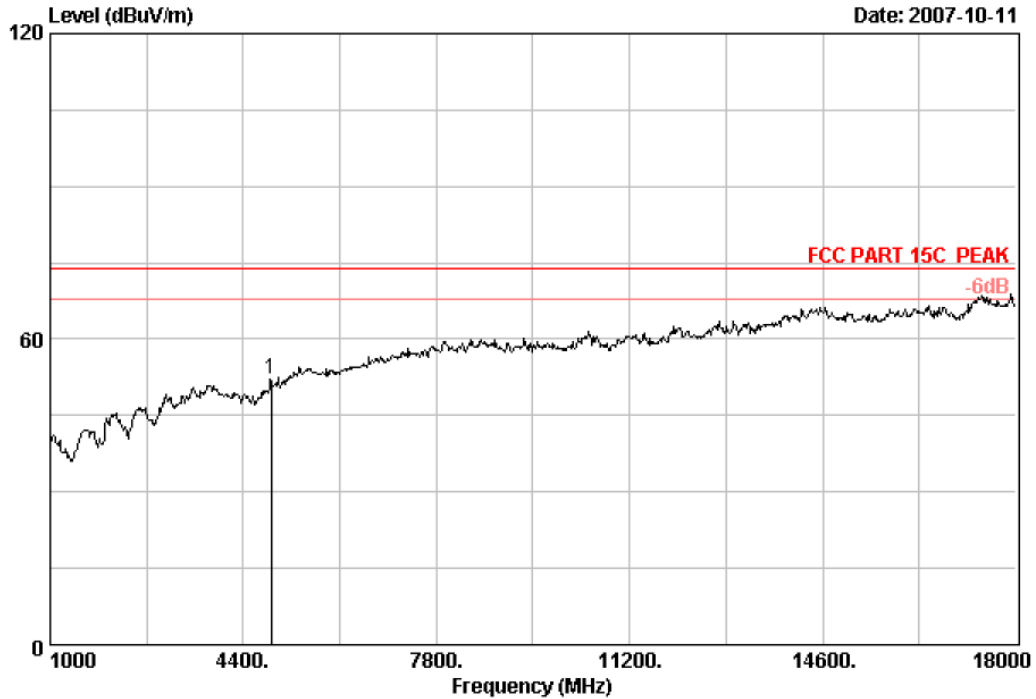
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4824.00	34.02	10.55	34.49	32.07	42.15	54.00	11.85	Average

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



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Site no. : Data no. : 46
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH7 2442MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4884.00	34.16	10.57	34.48	42.04	52.29	74.00	21.71	Peak

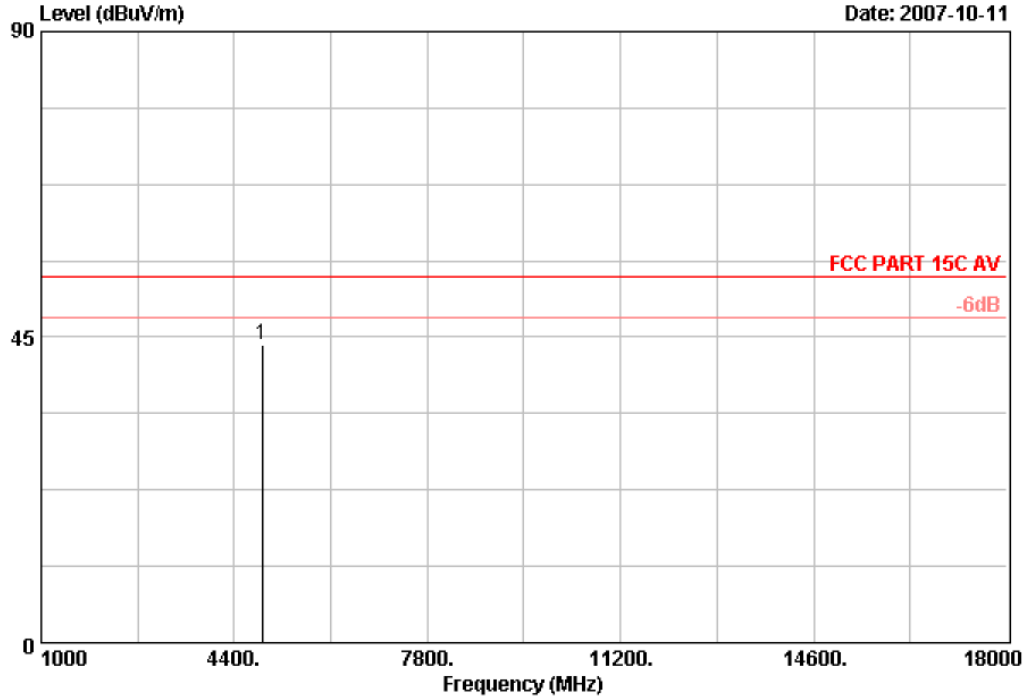
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-10-11



Site no. : Data no. : 47
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH7 2442MHz

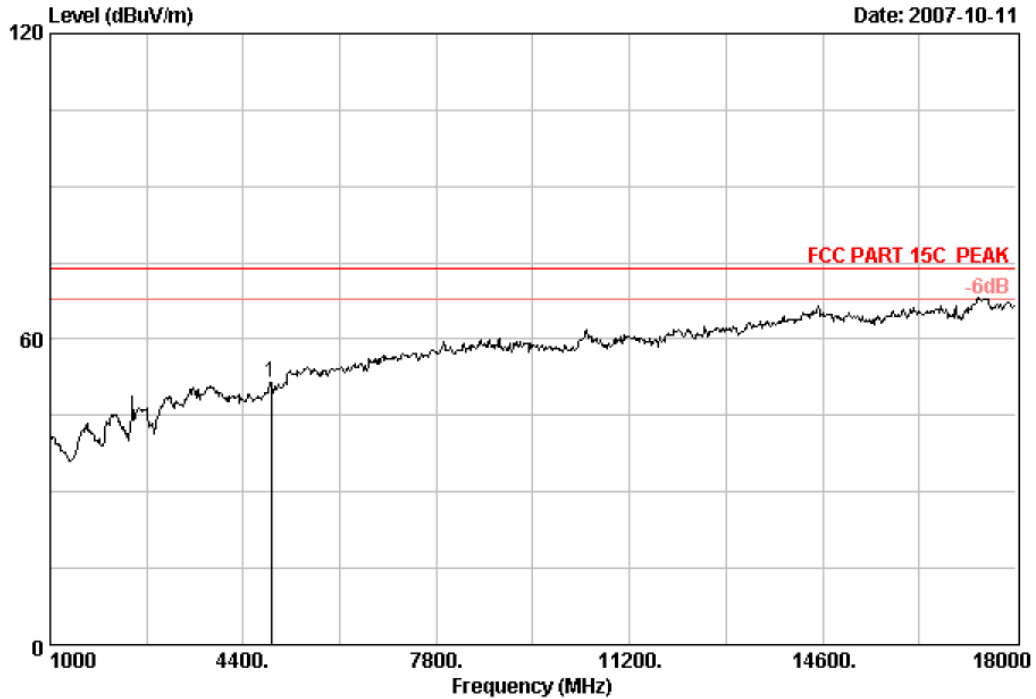
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	4884.00	34.16	10.57	34.48	33.70	43.95	54.00	10.05	Average

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



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Site no. : Data no. : 44
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH7 2442MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4884.00	34.16	10.57	34.48	41.28	51.53	74.00	22.47	Peak

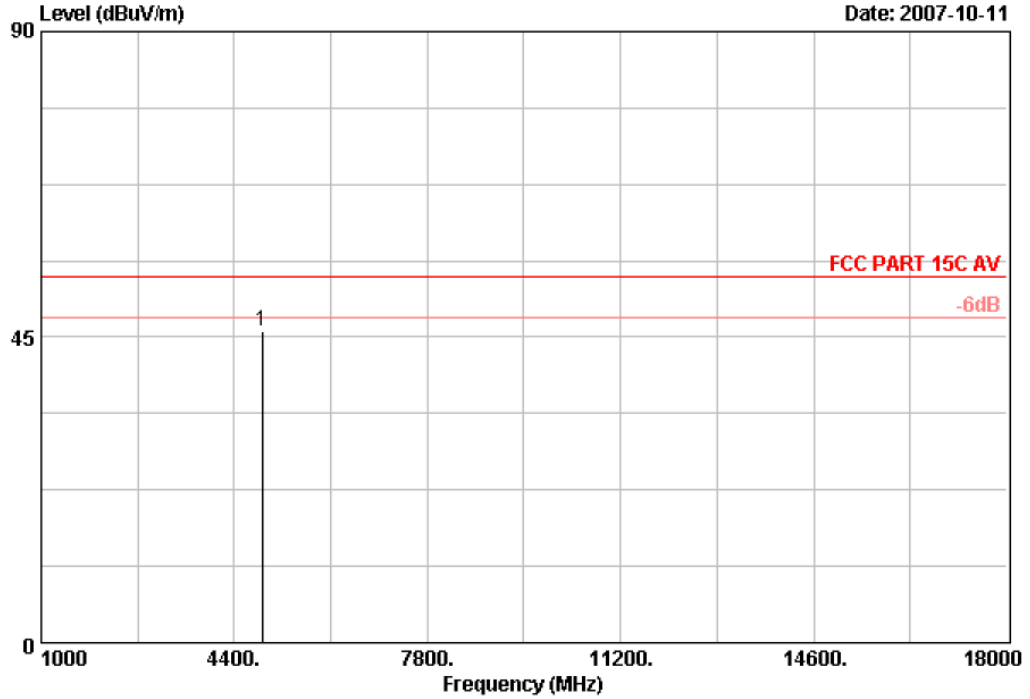
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-10-11



Site no. : Data no. : 45
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH7 2442MHz

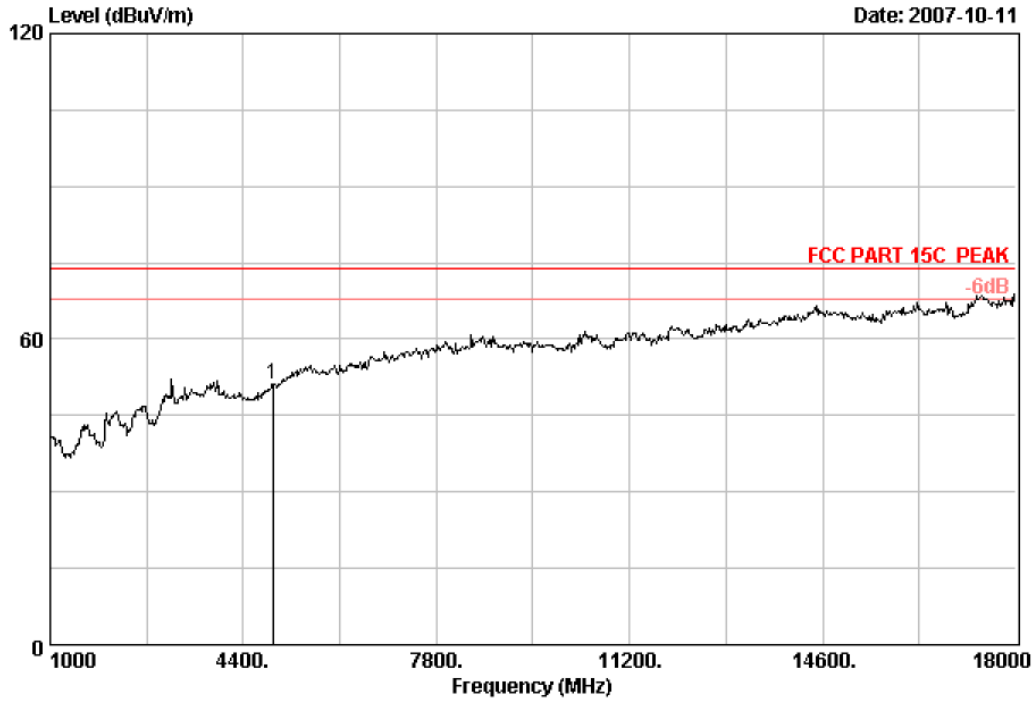
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Emission			Remark	
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)		
1	4884.00	34.16	10.57	34.48	35.75	46.00	54.00	8.00	Average

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



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Site no. : Data no. : 48
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH11 2462MHz

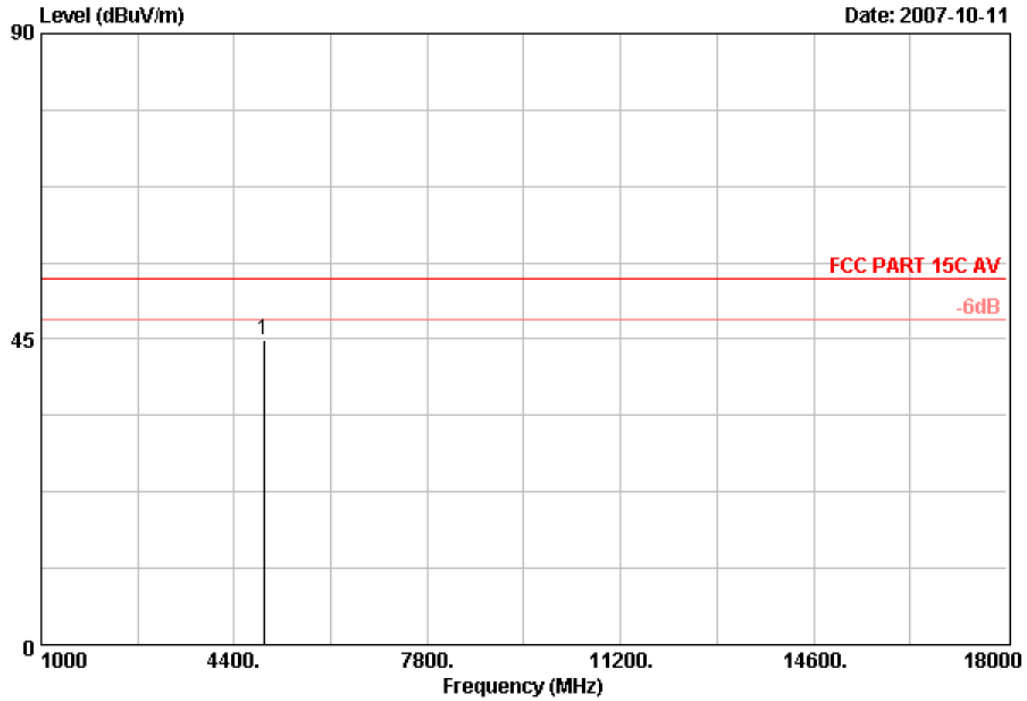
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4924.00	34.29	10.58	34.47	40.86	51.26	74.00	22.74	Peak

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



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Site no. : Data no. : 49
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH11 2462MHz

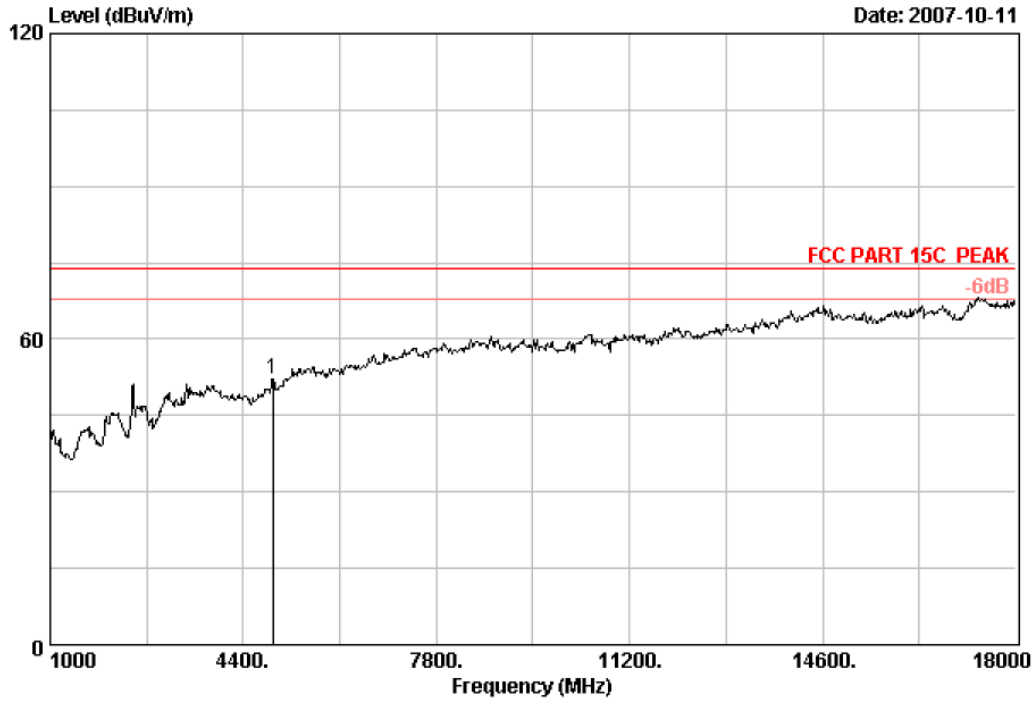
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4924.00	34.29	10.58	34.47	34.47	44.87	54.00	9.13	Average

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



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Site no. : Data no. : 50
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH11 2462MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4924.00	34.29	10.58	34.47	41.90	52.30	74.00	21.70	Peak

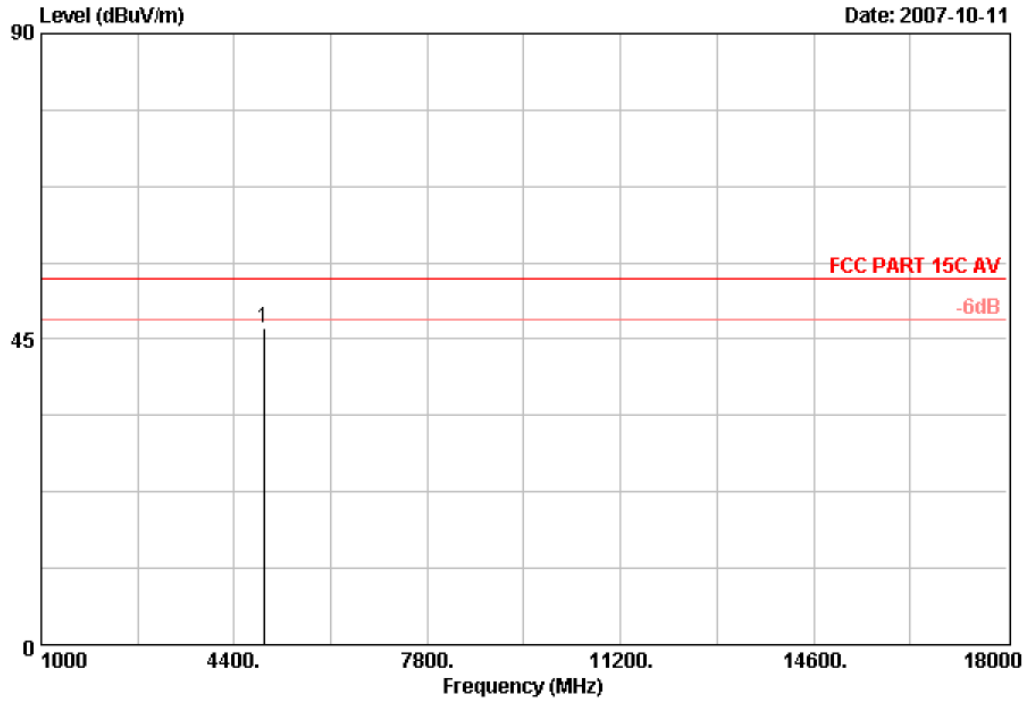
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Site no. : Data no. : 51
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11b TX in CH11 2462MHz

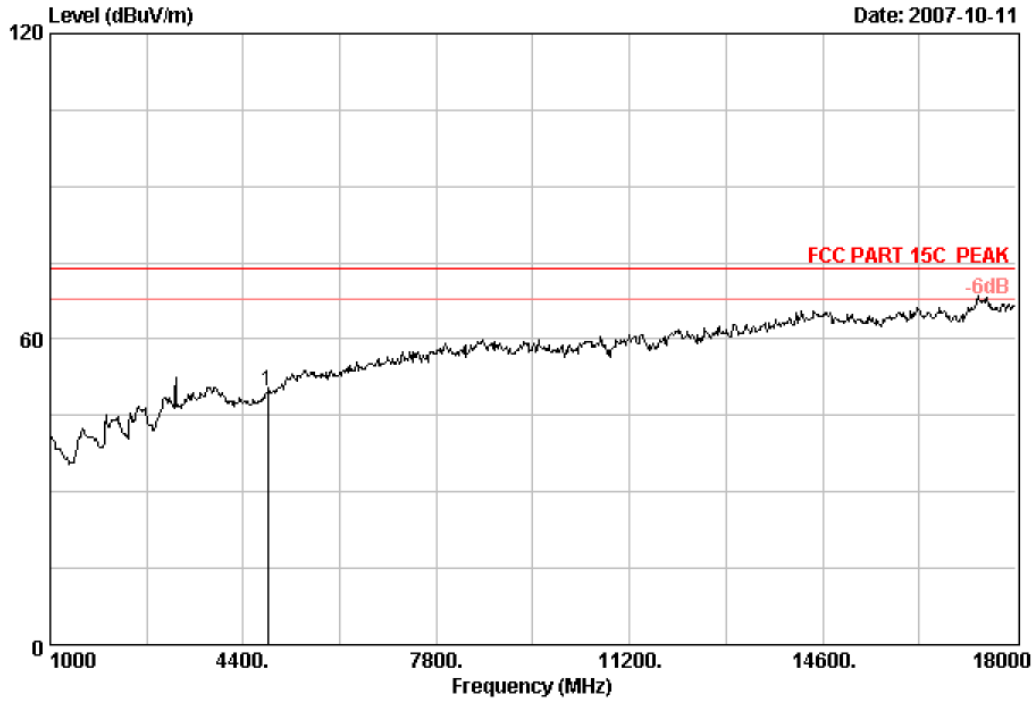
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	4924.00	34.29	10.58	34.47	36.33	46.73	54.00	7.27	Average

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



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Site no. : Data no. : 54
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH1 2412MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4824.00	34.02	10.55	34.49	39.65	49.73	74.00	24.27	Peak

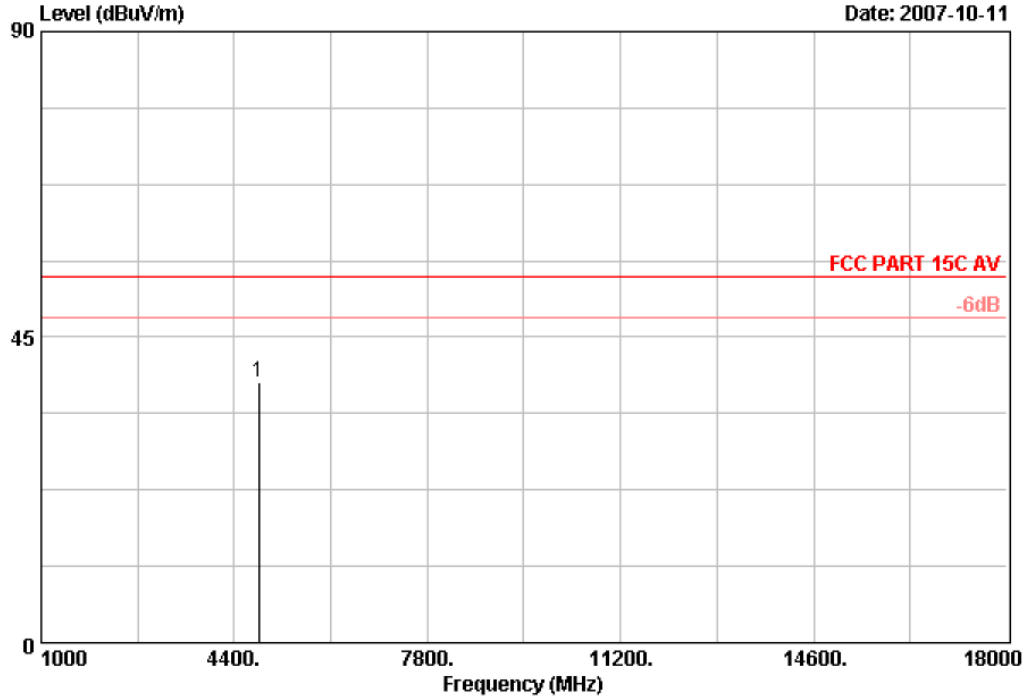
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Site no. : Data no. : 55
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH1 2412MHz

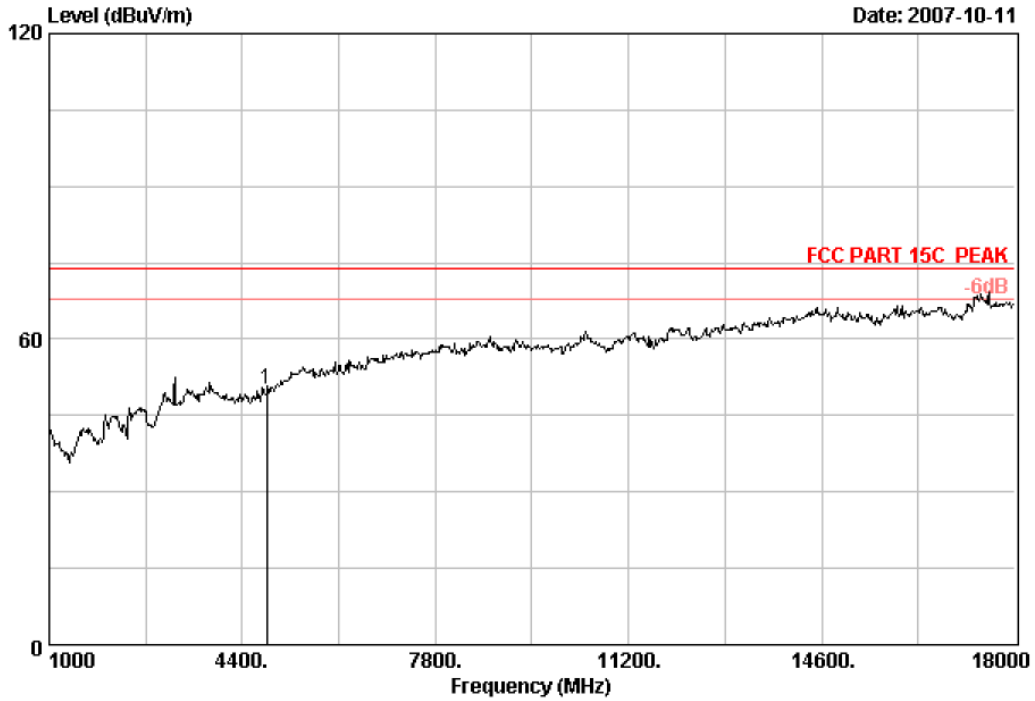
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4824.00	34.02	10.55	34.49	28.30	38.38	54.00	15.62	Average

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



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Site no. : Data no. : 52
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23*C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH1 2412MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
4824.00	34.02	10.55	34.49	40.02	50.10	74.00	23.90	Peak

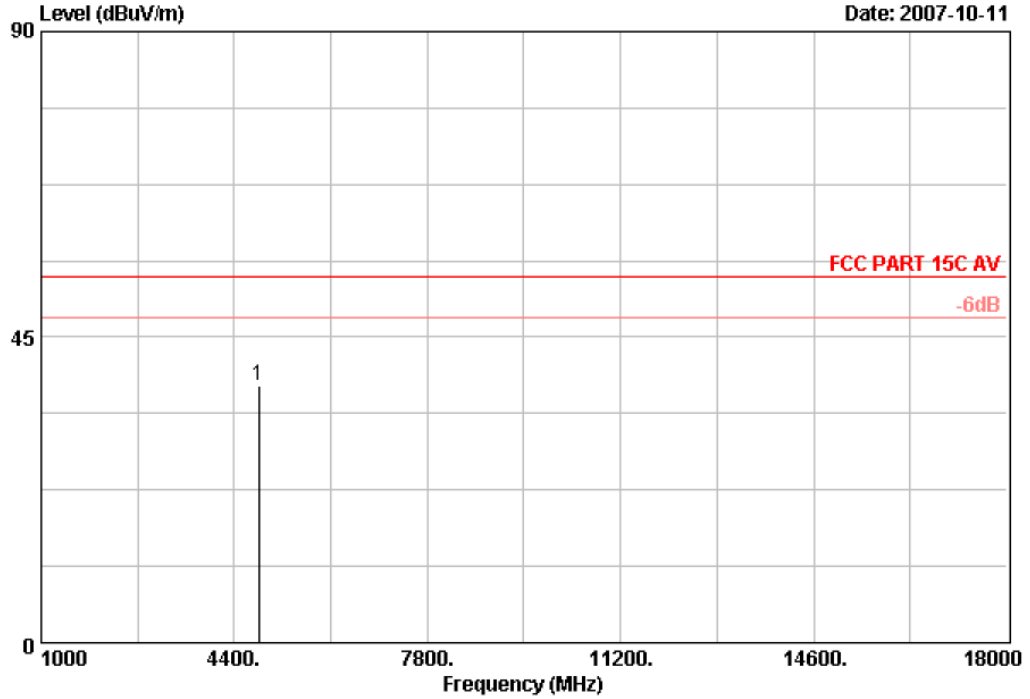
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-10-11



Site no. : Data no. : 53
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH1 2412MHz

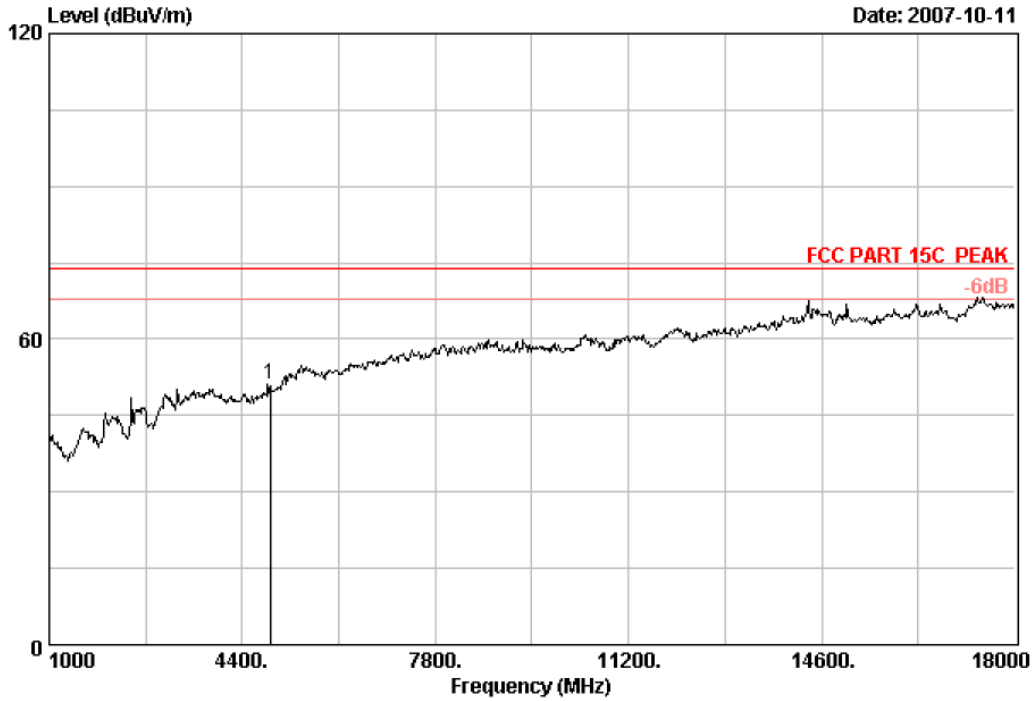
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	4824.00	34.02	10.55	34.49	27.81	37.89	54.00	16.11	Average

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



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Site no. : Data no. : 56
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH7 2442MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4884.00	34.16	10.57	34.48	40.74	50.99	74.00	23.01	Peak

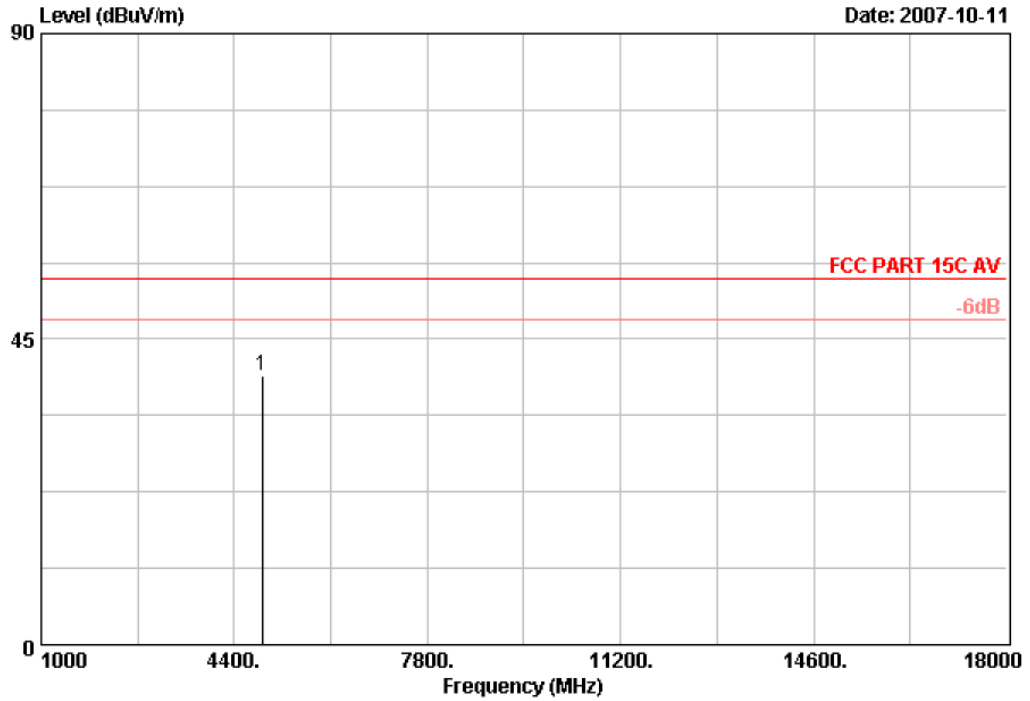
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-10-11



Site no. : Data no. : 57
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH7 2442MHz

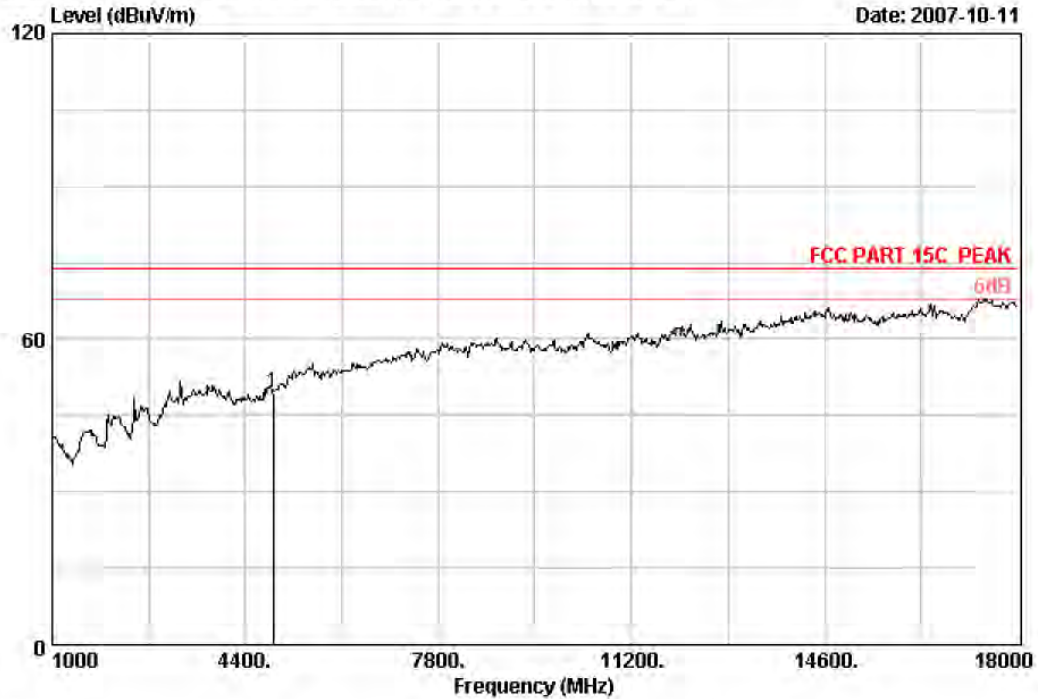
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4884.00	34.16	10.57	34.48	29.35	39.60	54.00	14.40	Average

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



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Site no. : Data no. : 58
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH7 2442MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission			Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 4884.00	34.16	10.57	34.48	39.35	49.60	74.00	24.40	Peak

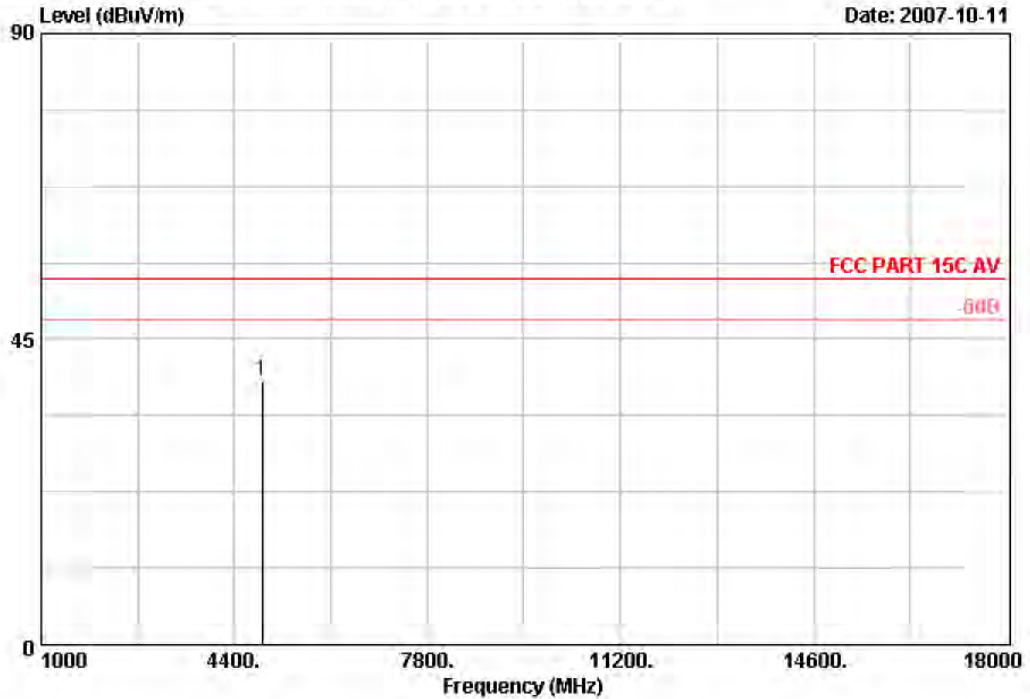
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 59 File: D:\2007 Report\TP-Link\ACS7Q1172.EMI (67)

Date: 2007-10-11



Site no. : Data no. : 59
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH7 2442MHz

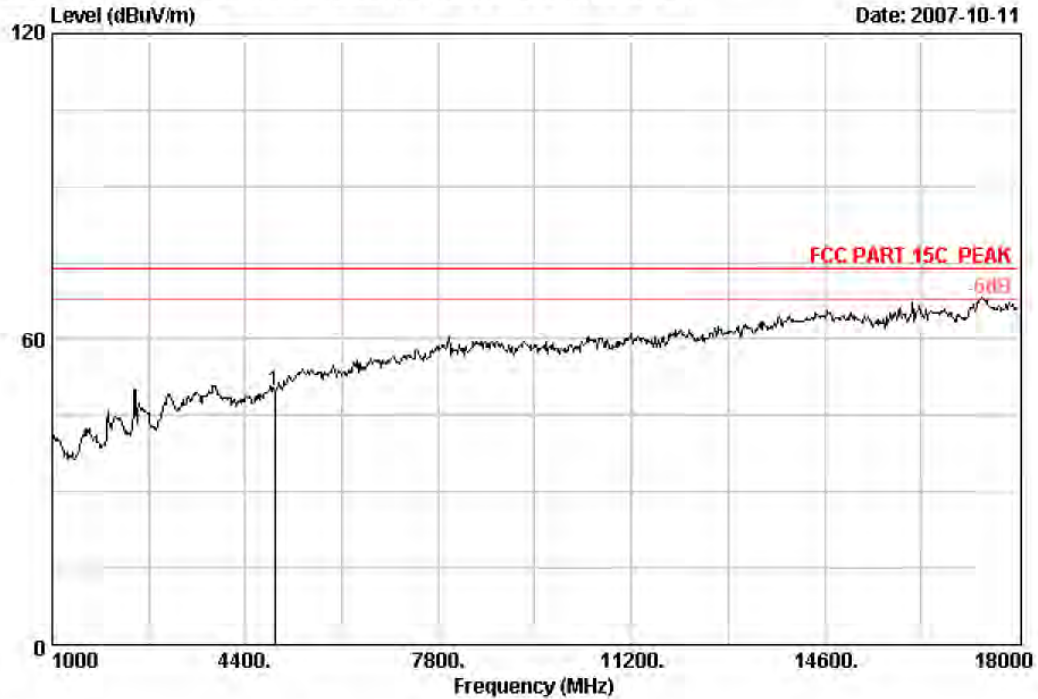
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4884.00	34.16	10.57	34.48	28.69	38.94	54.00	15.06	Average

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



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Postcode:518057

Data: 62 File: D:\2007 Report\T\TP-Link\ACS7Q1172.EMI (67)



Site no. : Data no. : 62
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH11 2462MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4924.00	34.29	10.58	34.47	39.36	49.76	74.00	24.24	Peak

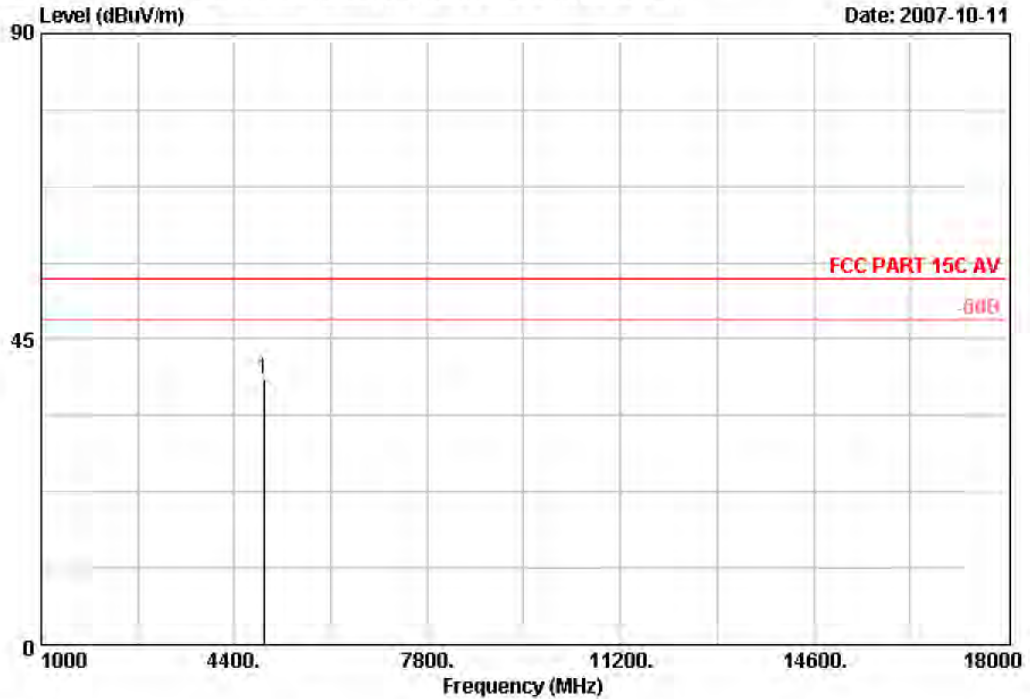
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 63 File: D:\2007 Report\TP-Link\ACS7Q1172.EMI (67)

Date: 2007-10-11



Site no. : Data no. : 63
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH11 2462MHz

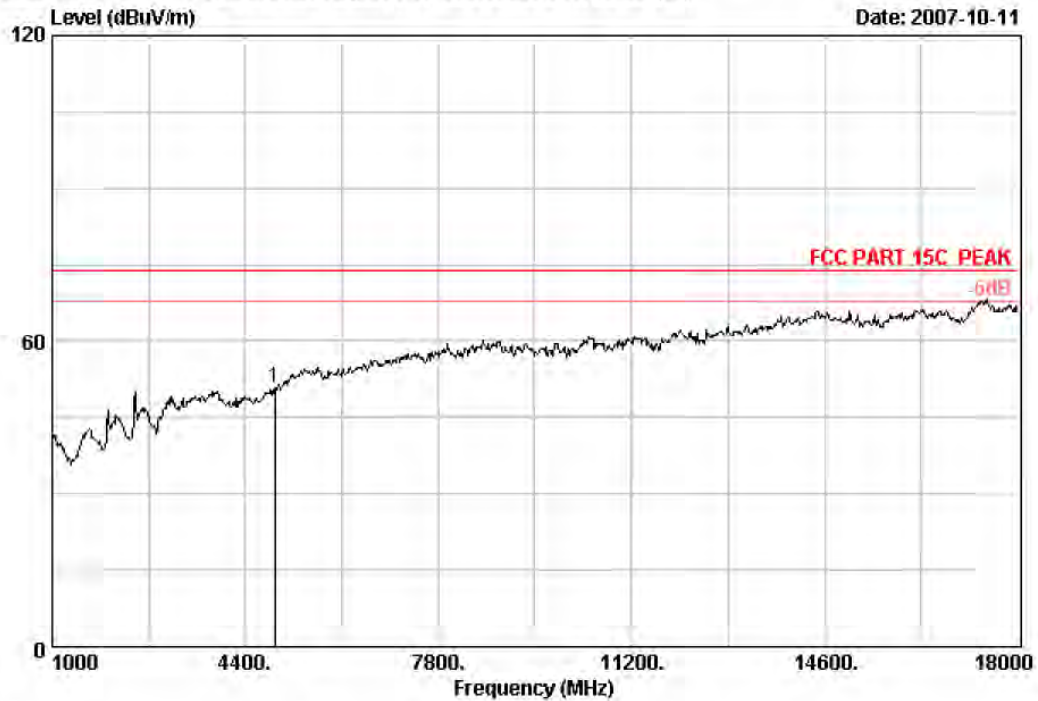
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark	
				Reading (dBuV)	Level (dBuV/m)				
1	4924.00	34.29	10.58	34.47	28.64	39.04	54.00	14.96	Average

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



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Data: 60 File: D:\2007 Report\TP-Link\ACS7Q1172.EMI (67)



Site no. : Data no. : 60
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH11 2462MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading Level (dBuV)	Emission			Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1 4924.00	34.29	10.58	34.47	40.33	50.73	74.00	23.27	Peak

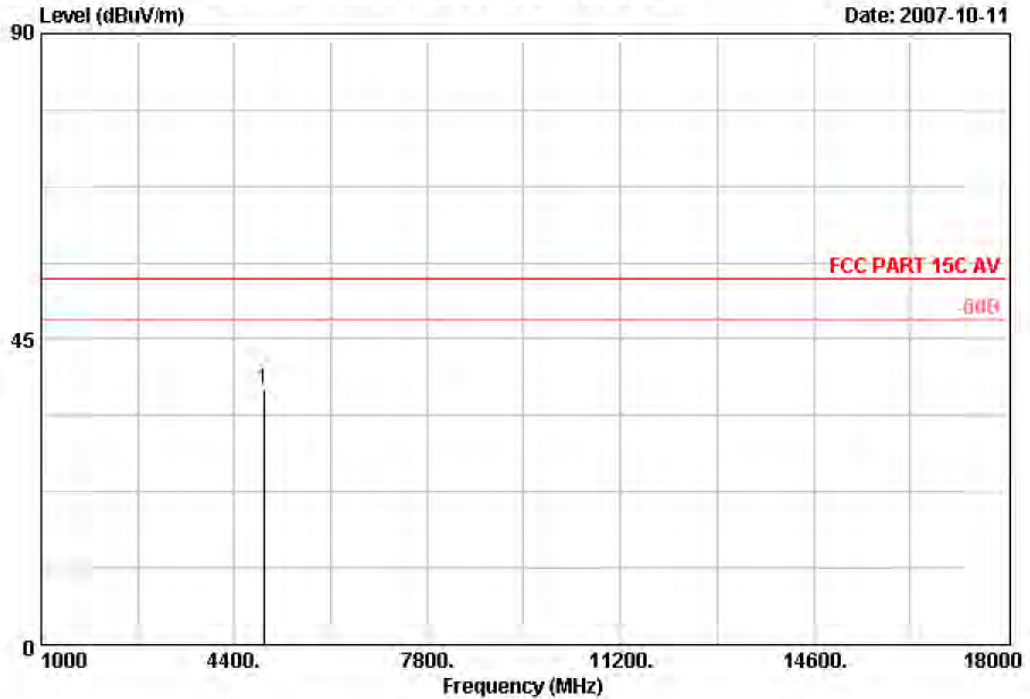
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Postcode:518057

Data: 61 File: D:\2007 Report\TP-Link\ACS7Q1172.EMI (67)

Date: 2007-10-11



Site no. : Data no. : 61
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE802.11g TX in CH11 2462MHz

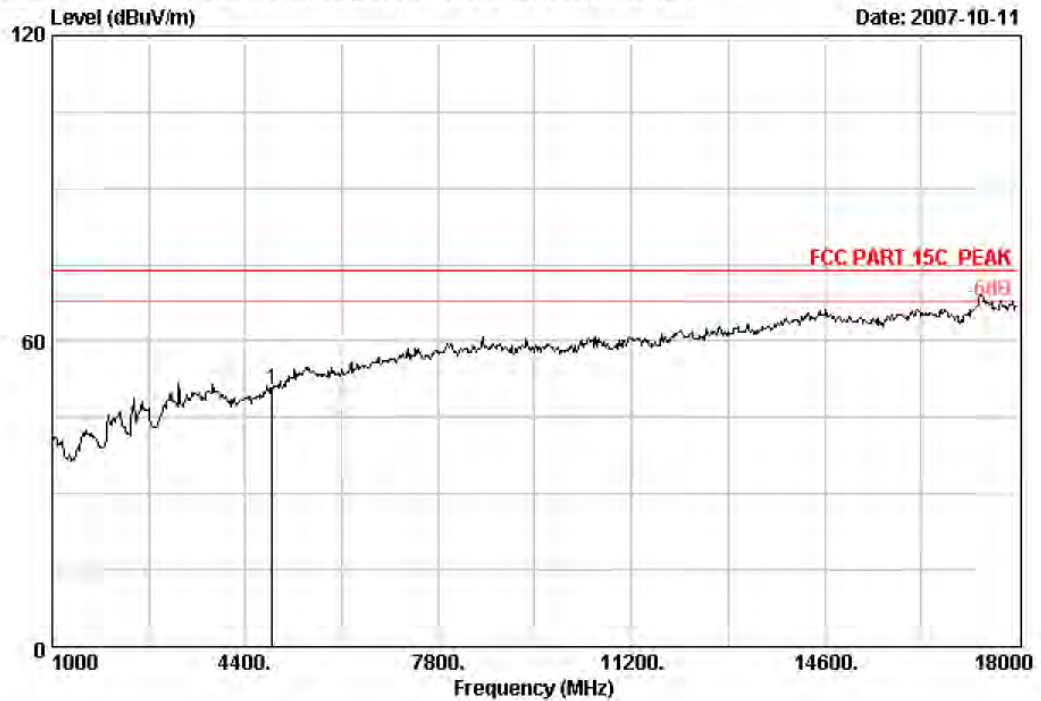
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4924.00	34.29	10.58	34.47	27.15	37.55	54.00	16.45	Average

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



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Data: 64 File: D:\2007 Report\T\TP-Link\ACS7Q1172.EMI (67)



Site no. : Data no. : 64
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : Turbo mode TX in CH6 2437MHz

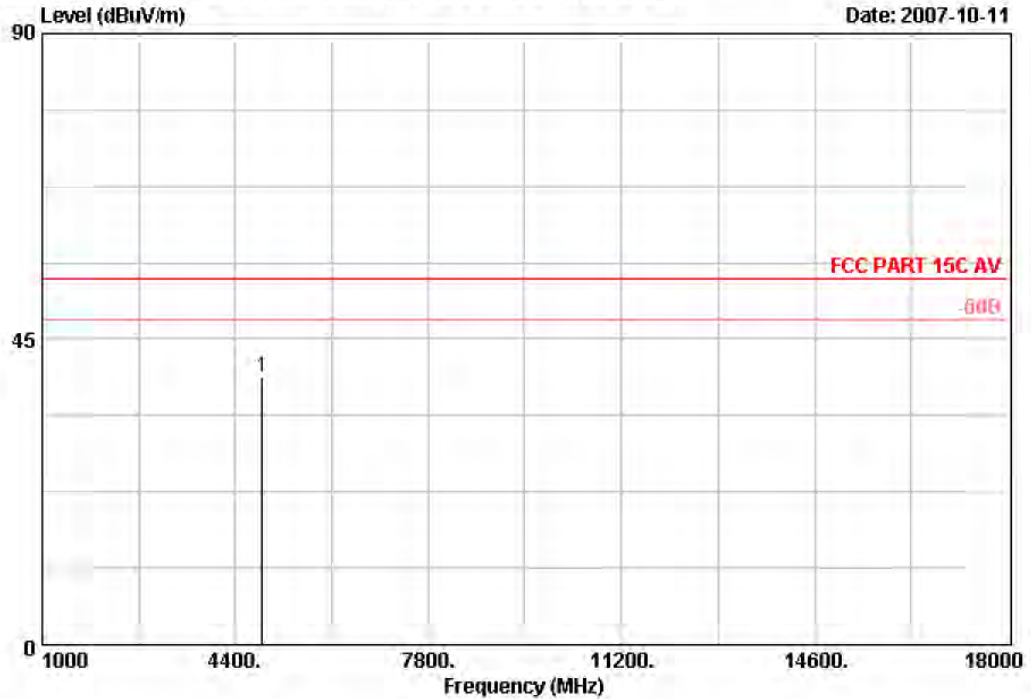
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission			Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 4874.00	34.16	10.56	34.48	40.13	50.37	74.00	23.63	Peak

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



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Site no. : Data no. : 65
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : Turbo mode TX in CH6 2437MHz

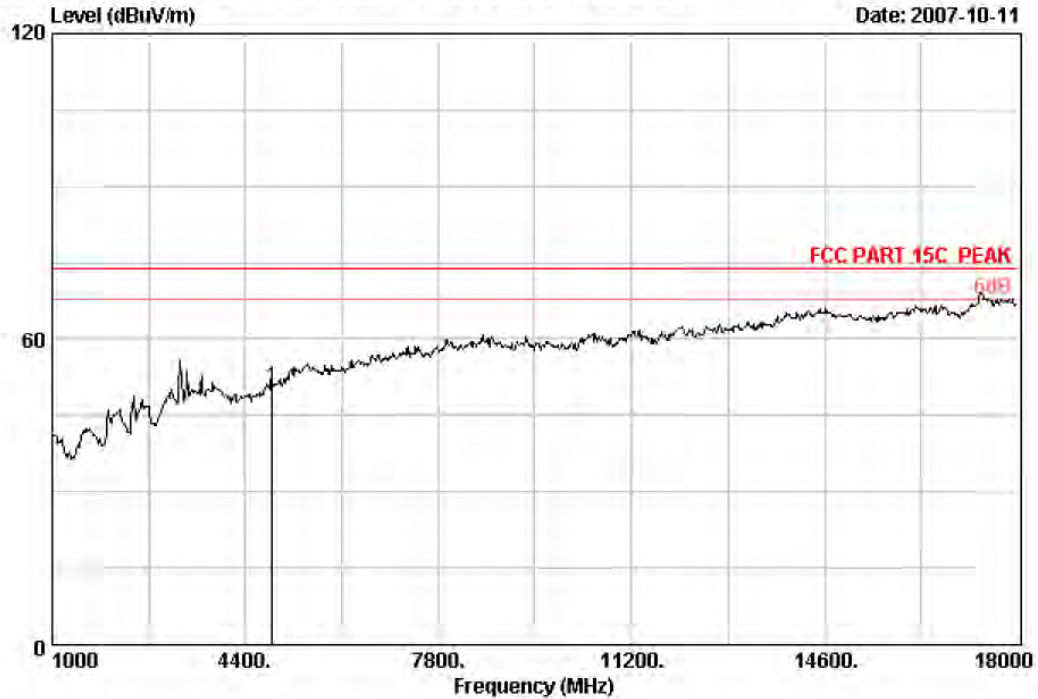
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4874.00	34.16	10.56	34.48	29.15	39.39	54.00	14.61	Average

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



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Data: 66 File: D:\2007 Report\TP-Link\ACS7Q1172.EMI (67)



Site no. : Data no. : 66
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : Turbo mode TX in CH6 2437MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission			Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1 4874.00	34.16	10.56	34.48	40.13	50.37	74.00	23.63	Peak

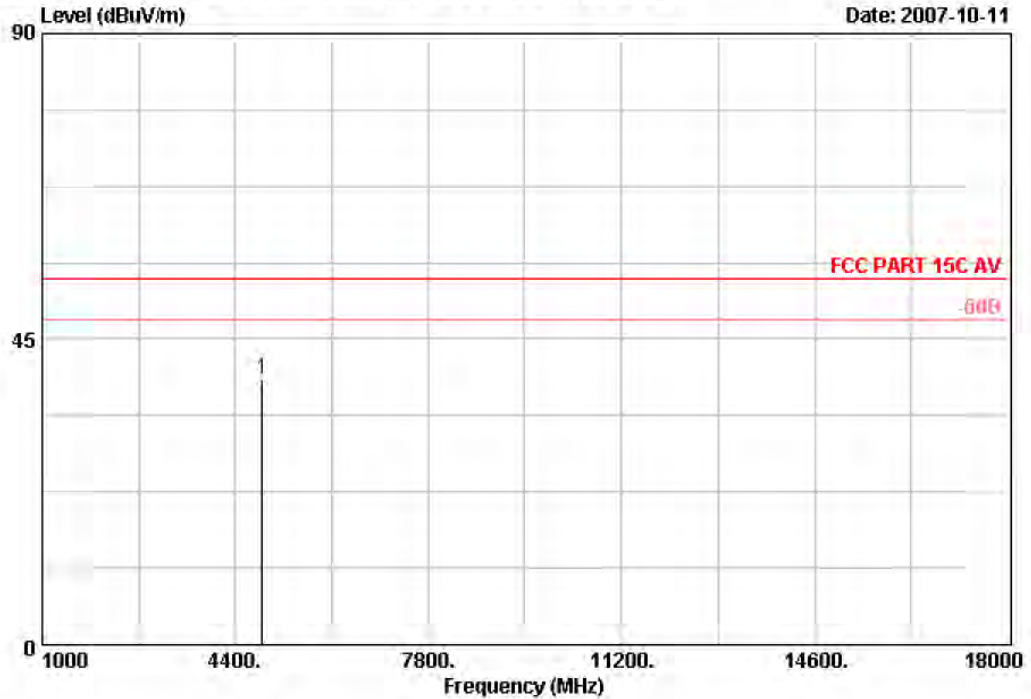
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-10-11



Site no. : Data no. : 67
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23*C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : Turbo mode TX in CH6 2437MHz

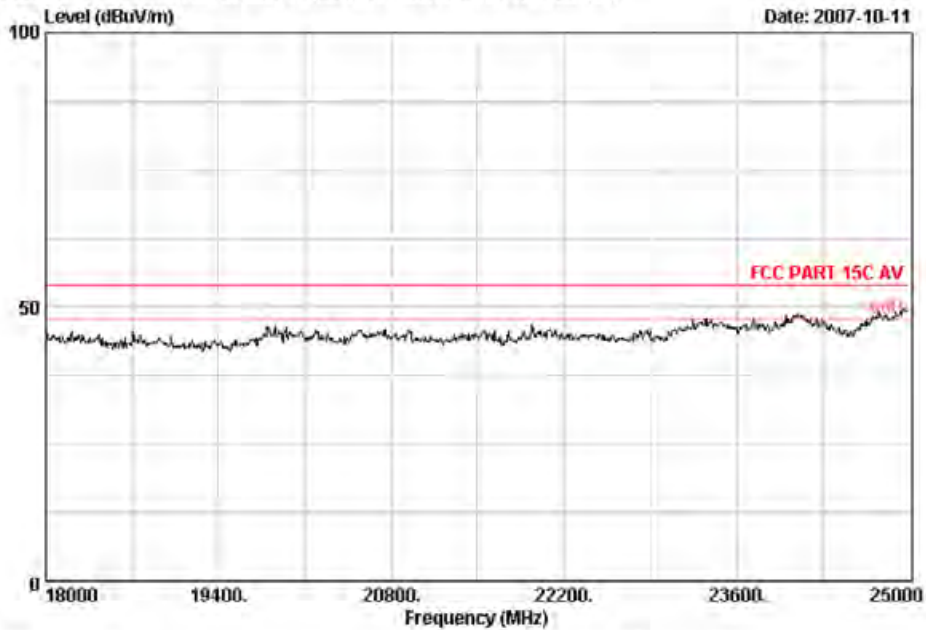
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
				Reading (dBuV)	Level (dBuV/m)			
1 4874.00	34.16	10.56	34.48	28.96	39.20	54.00	14.80	Average

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



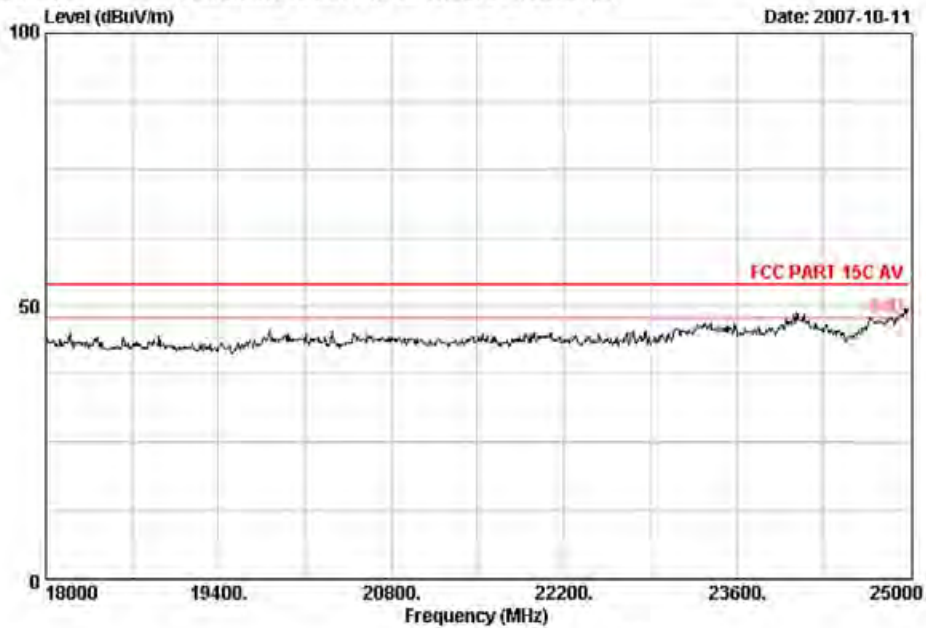
No.6 Ke Feng Road,B1:ck S2,
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 Noutou,ShenZhen,GuangDong,China
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 Fax:+86-755-26632877
 Postcode:518057

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Site no. : Data no. : 69
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH1 2412MHz

Data: 68 File: D:\2007 Report\TTP-Link\ACS7Q1172.EMI (81) Date: 2007-10-11

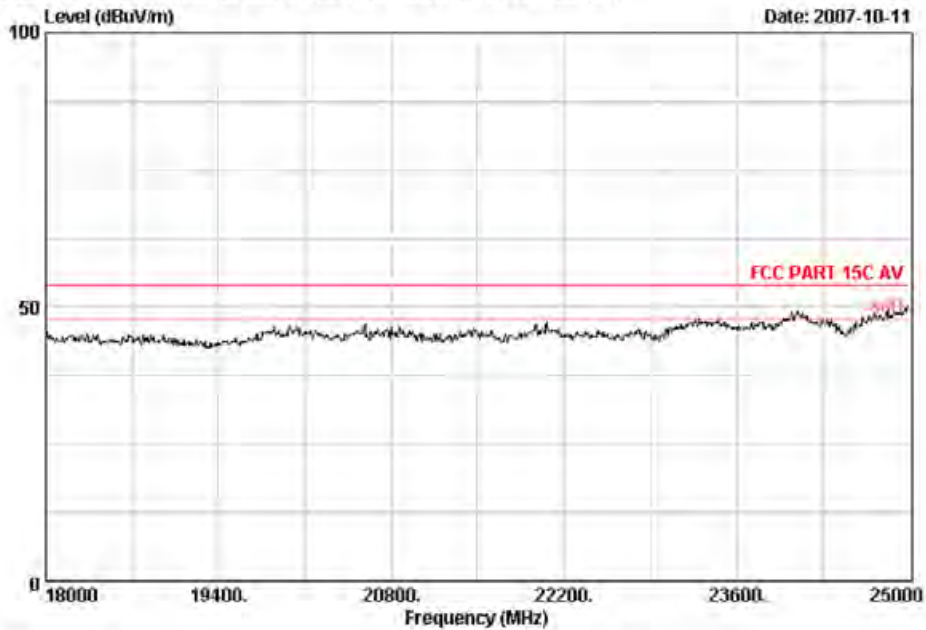


Site no. : Data no. : 68
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH1 2412MHz



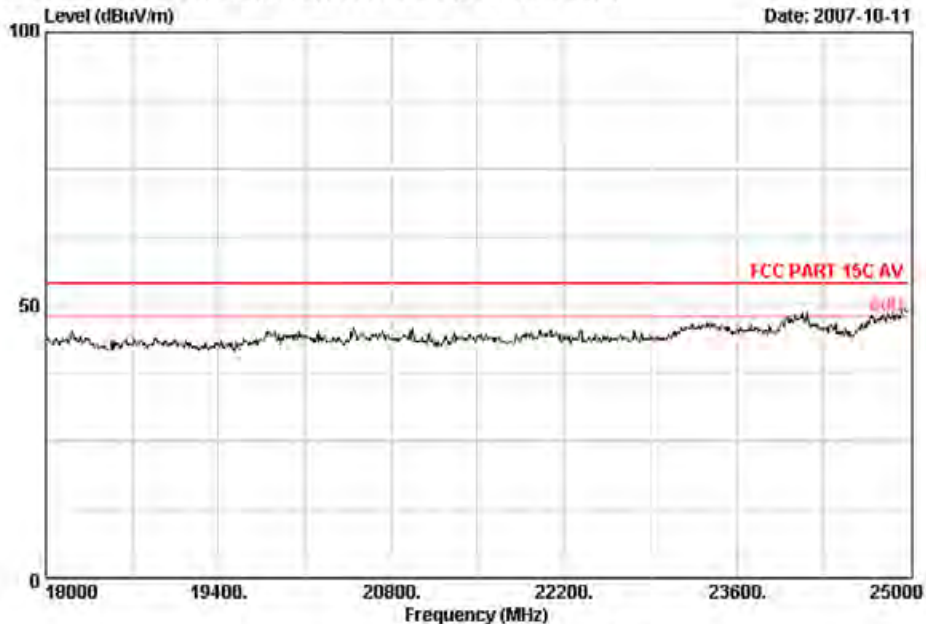
No.6 Ke Feng Road,B1:ck 52,
 ShenZhen Science & Industry Park
 Noutou,ShenZhen,GuangDong,China
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Site no. : Data no. : 70
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH7 2442MHz

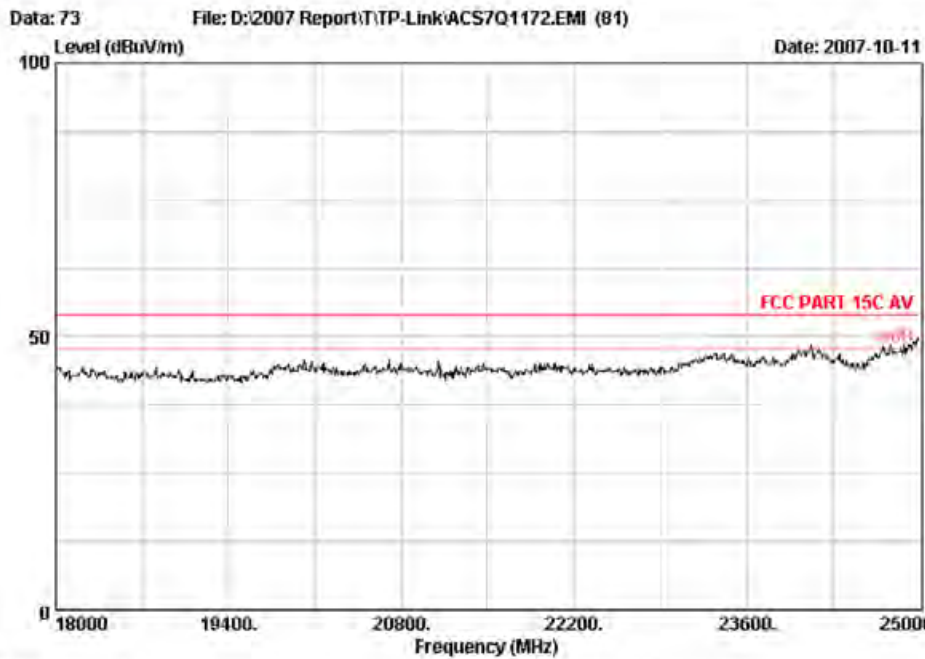
Data: 71 File: D:\2007 Report\T\TP-Link\ACS7Q1172.EMI (81) Date: 2007-10-11



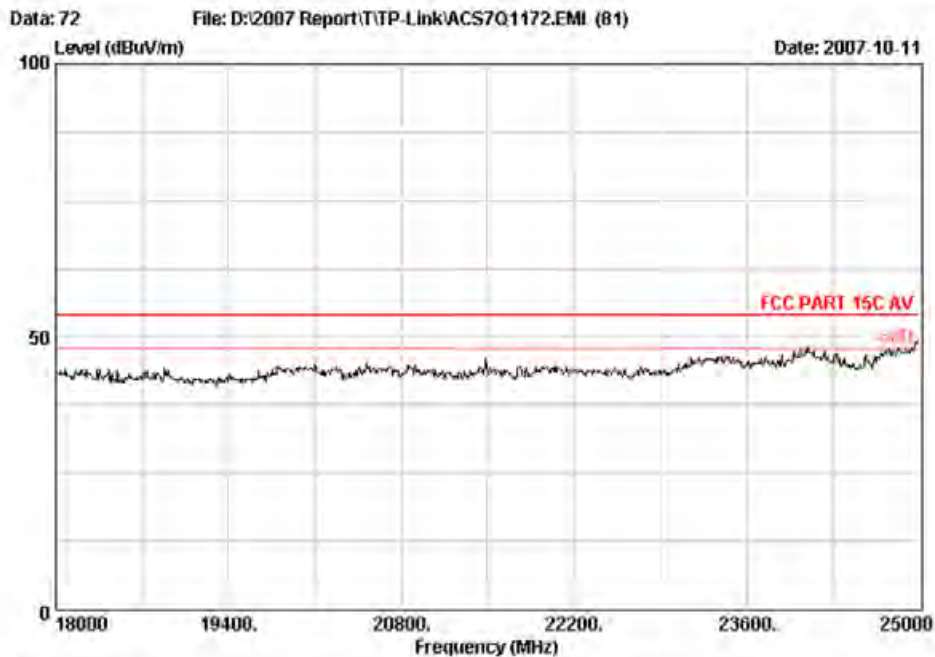
Site no. : Data no. : 71
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH7 2442MHz



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 Postcode:518057



Site no. : Data no. : 73
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH11 2462MHz

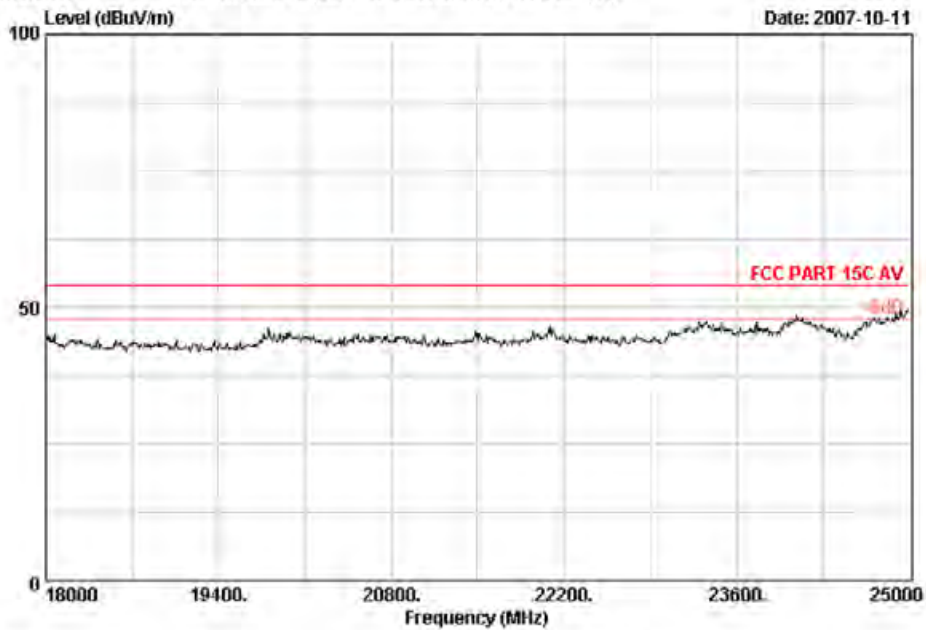


Site no. : Data no. : 72
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH11 2462MHz



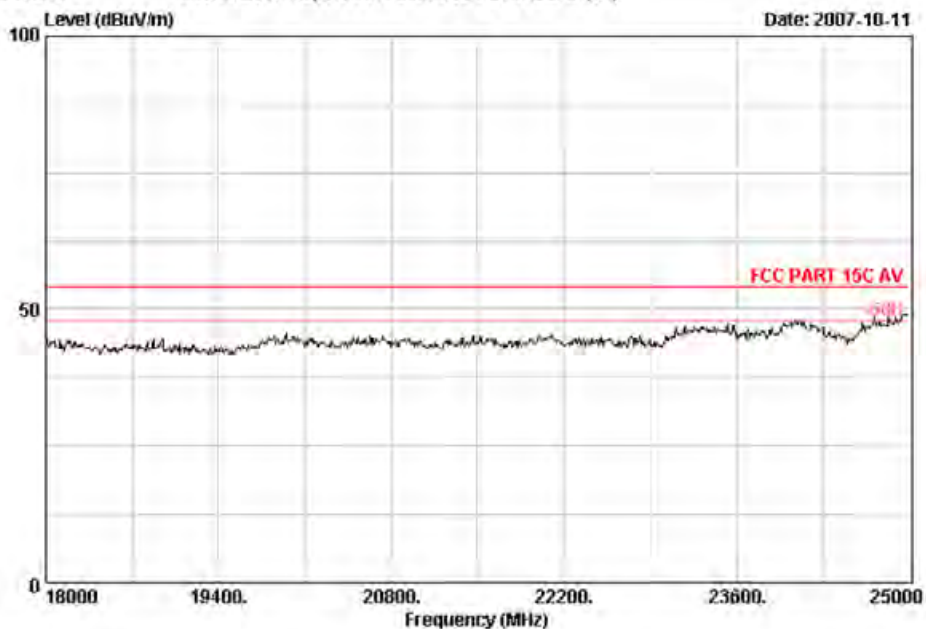
No.6 Ke Feng Road,B1:ck 52,
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Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057

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Site no. : Data no. : 78
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11g TX in CH1 2412MHz

Data: 79 File: D:\2007 Report\TTP-Link\ACS7Q1172.EMI (81) Date: 2007-10-11

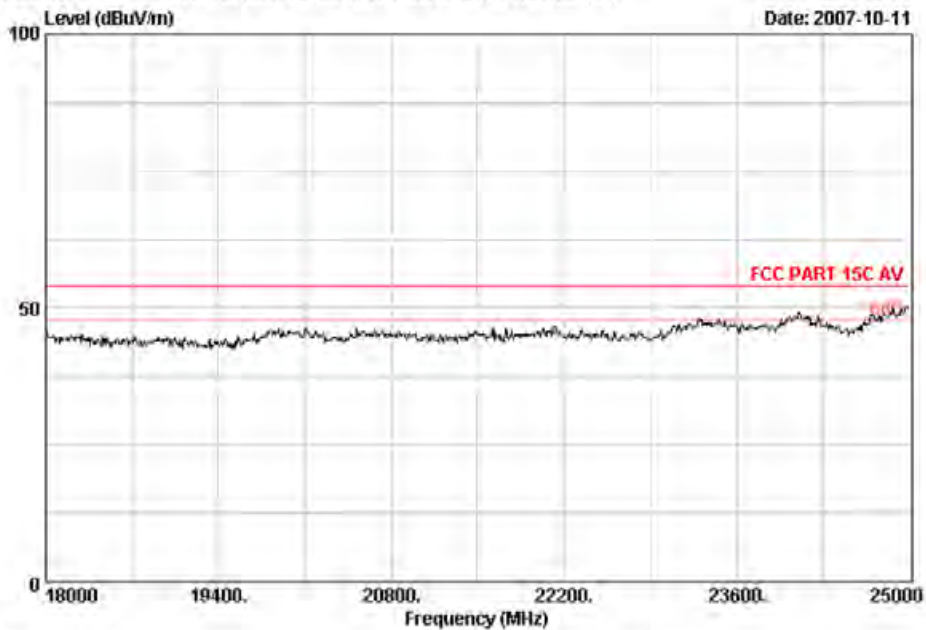


Site no. : Data no. : 79
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11g TX in CH1 2412MHz



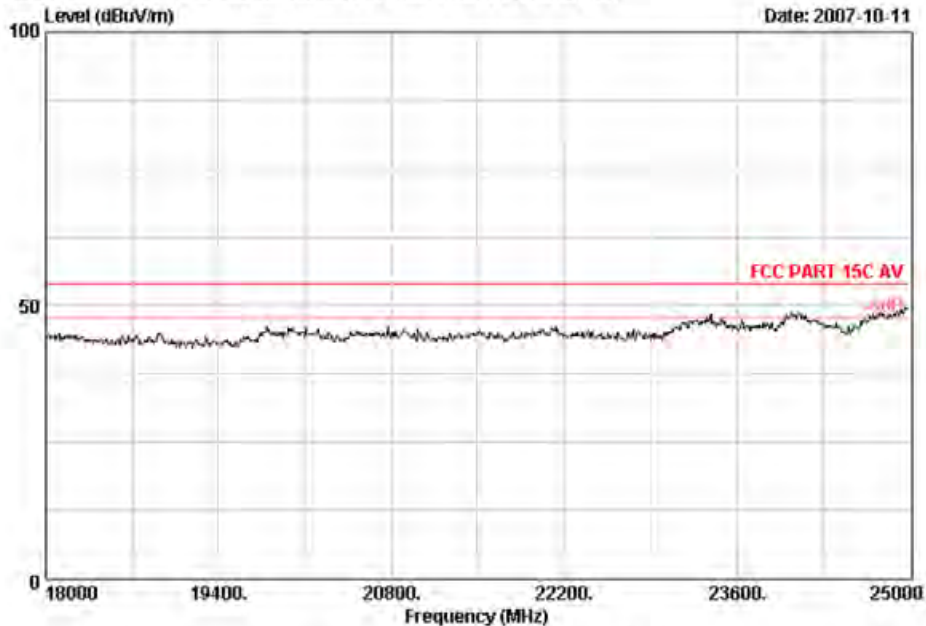
No.6 Ke Feng Road,B1:ck 52,
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 Noutou,ShenZhen,GuangDong,China
 Tel:+86-755-26639495-7
 Fax:+86-755-26632877
 Postcode:518057

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Site no. : Data no. : 77
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11g TX in CH7 2442MHz

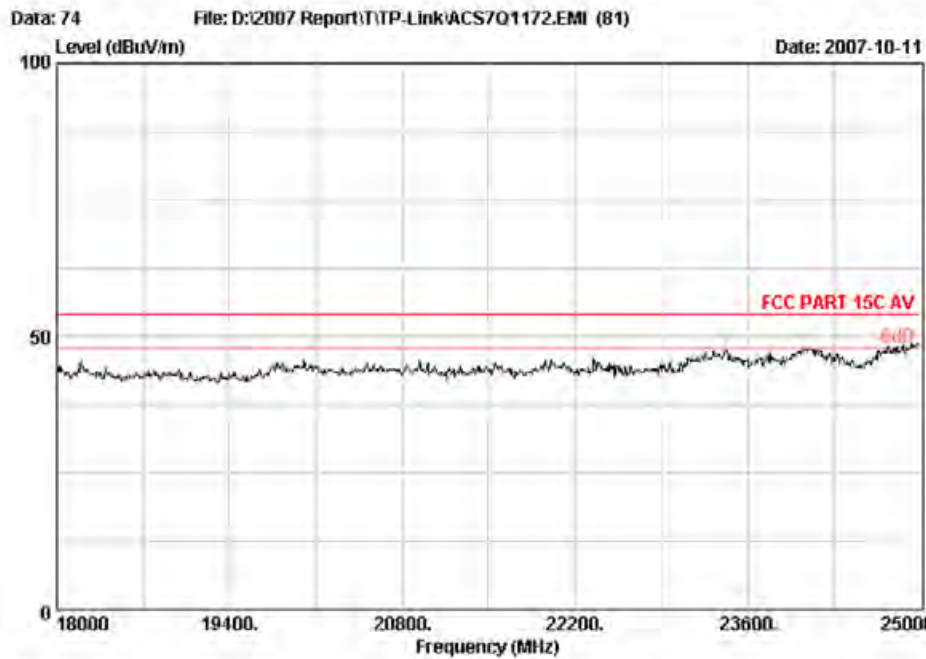
Data: 76 File: D:\2007 Report\T\TP-Link\ACS7Q1172.EMI (81) Date: 2007-10-11



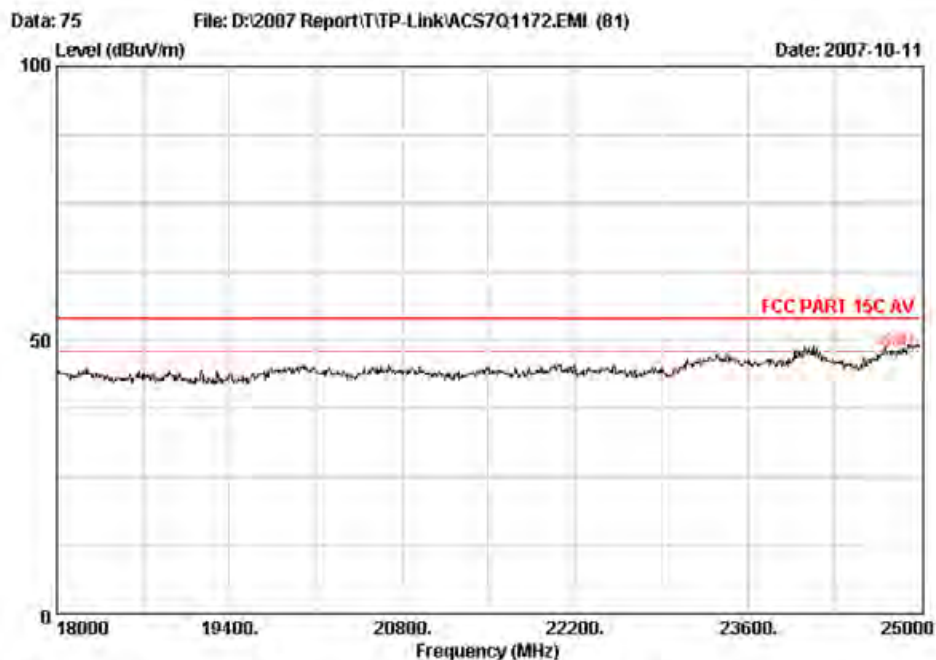
Site no. : Data no. : 76
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : IEEE 802.11g TX in CH7 2442MHz



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Postcode:518057



Site no. : Data no. : 74
Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 108M Wireless Access Point M/N:TL-WA601G
Power Rating : AC 9V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH11 2462MHz

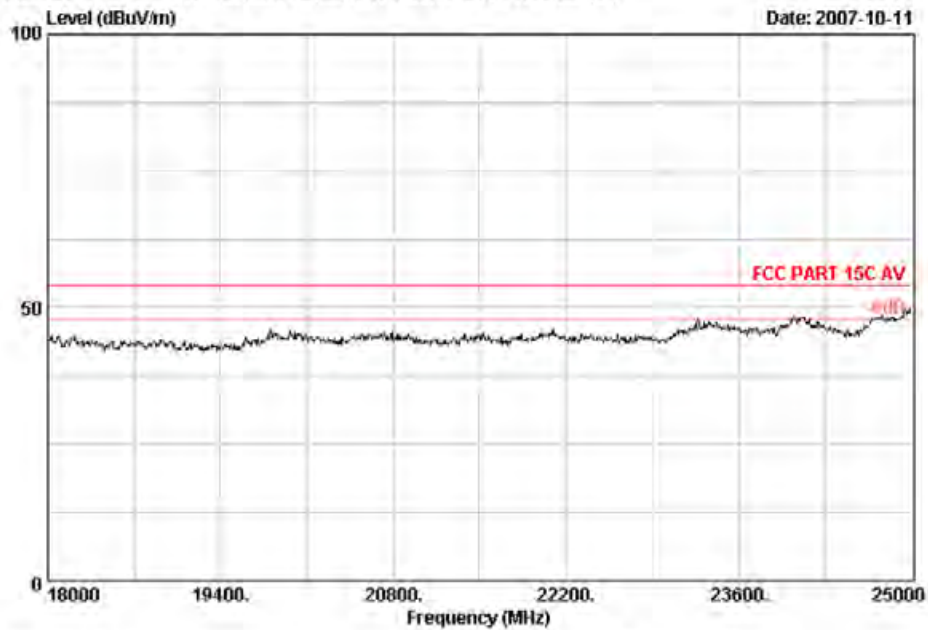


Site no. : Data no. : 75
Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 108M Wireless Access Point M/N:TL-WA601G
Power Rating : AC 9V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH11 2462MHz



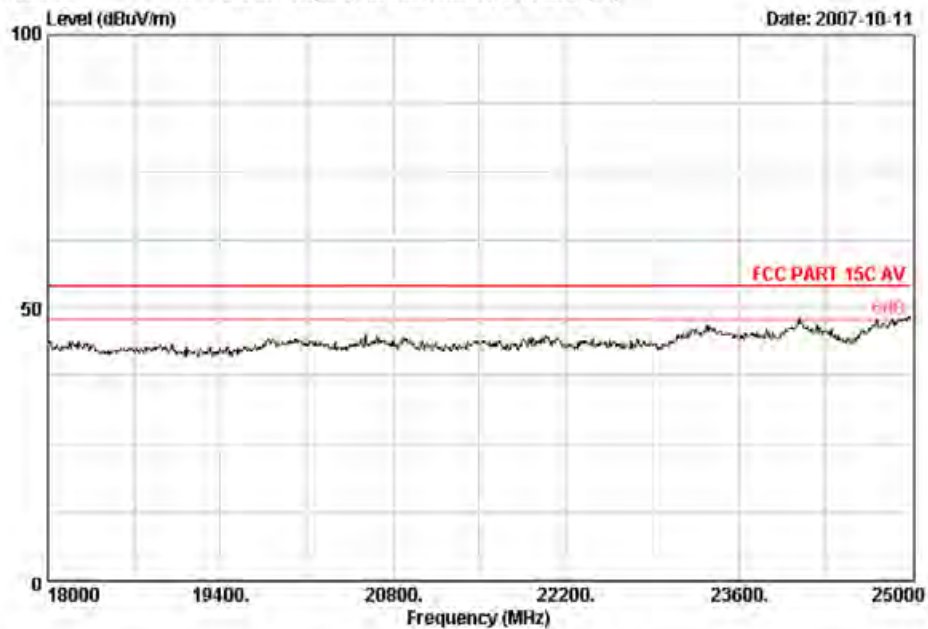
No.6 Ke Feng Road,B1:ck 52,
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Fax:+86-755-26632877
Postcode:518057

Data: 81 File: D:\2007 Report\TTP-Link\ACS7Q1172.EMI (81) Date: 2007-10-11



Site no. : Data no. : 81
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : Turbo mode TX in CH6 2437MHz

Data: 80 File: D:\2007 Report\TTP-Link\ACS7Q1172.EMI (81) Date: 2007-10-11

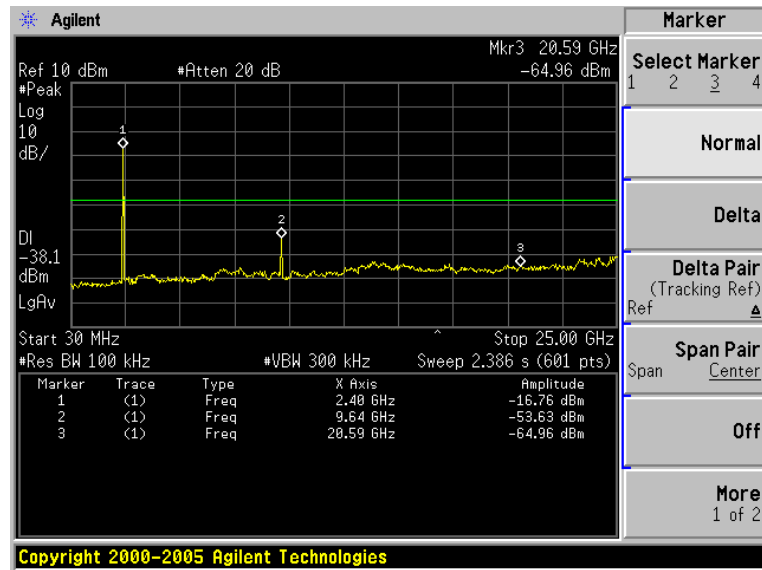


Site no. : Data no. : 80
 Dis. / Ant. : 3m 3116 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 108M Wireless Access Point M/N:TL-WA601G
 Power Rating : AC 9V From adapter 120V/60Hz
 Test Mode : Turbo mode TX in CH6 2437MHz

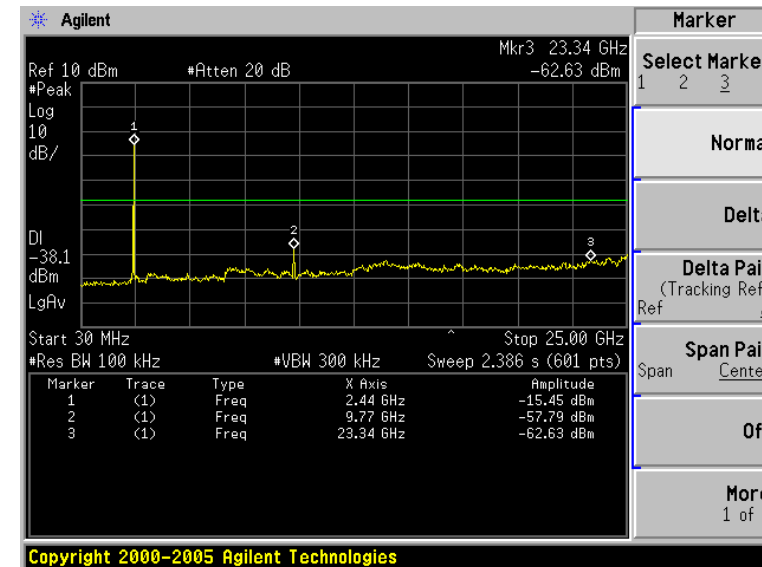
Conducted emission test data:

Test Mode: IEEE 802.11b TX

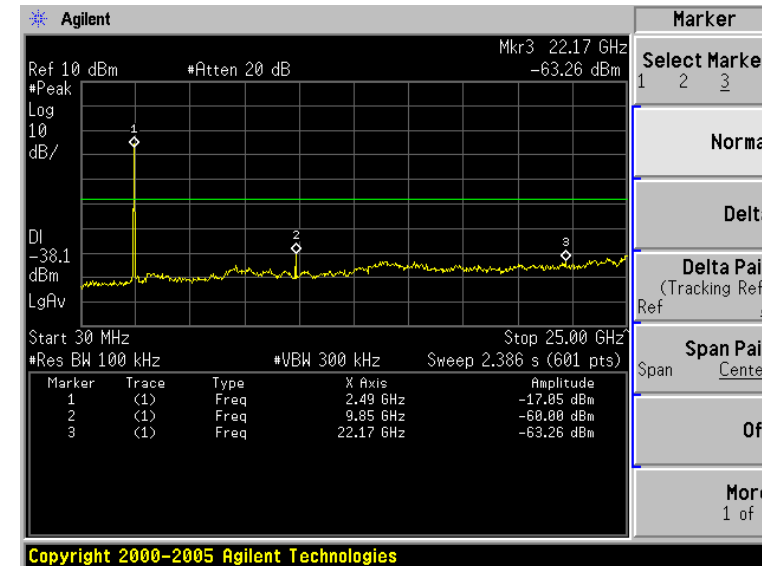
Test CH1: 2412MHz



Test CH7: 2442MHz

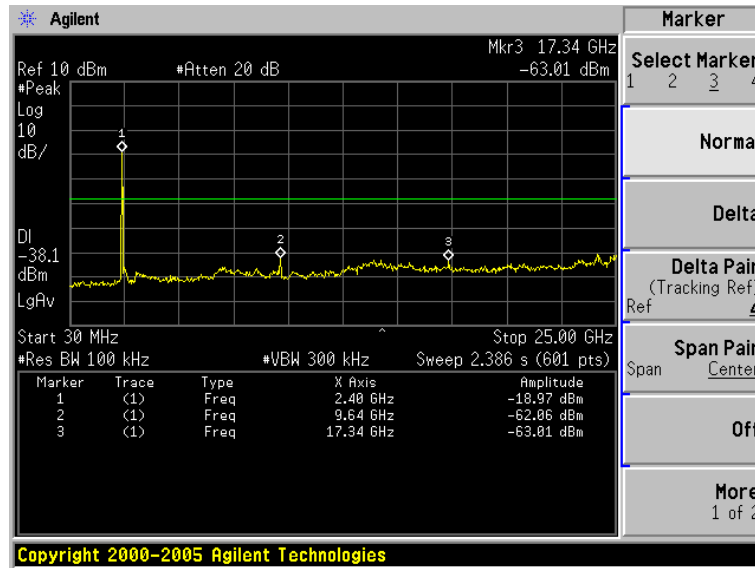


Test CH11: 2462MHz

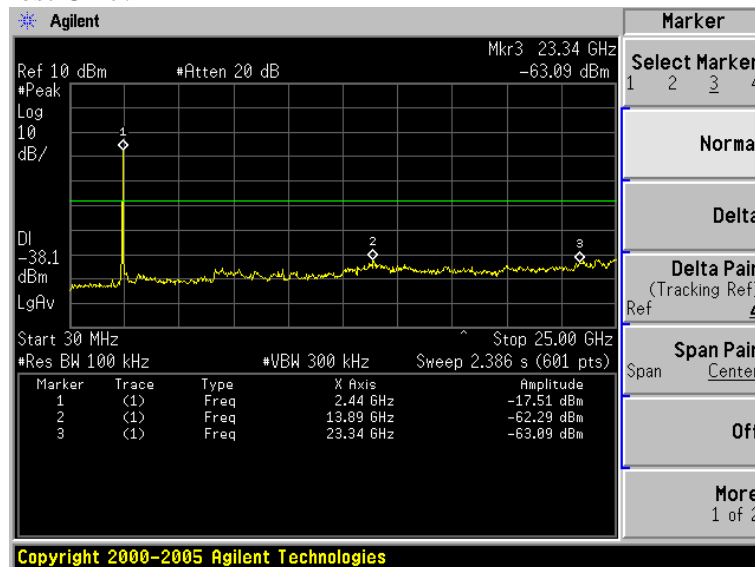


Test Mode: IEEE 802.11g TX

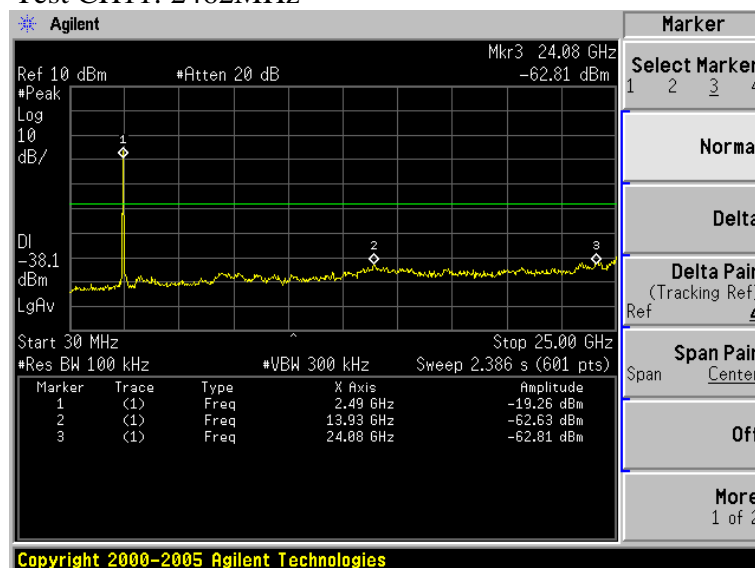
Test CH1: 2412MHz



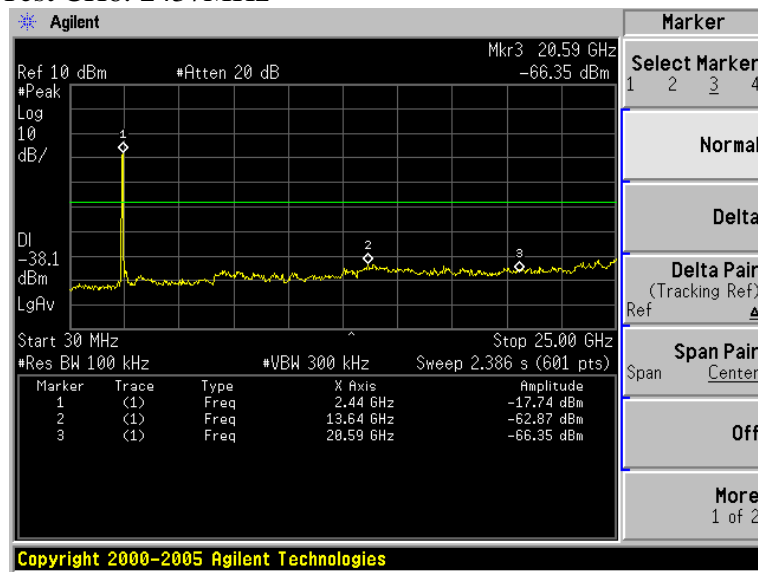
Test CH7: 2442MHz



Test CH11: 2462MHz



Test Mode: IEEE 802.11g Turbo TX
 Test CH6: 2437MHz



5. 6dB Bandwidth Test

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May,11, 07	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,11, 07	1 Year
3	RF Cable	MIYAZAKI	8D-FB	No.3	Jun.06, 07	1/2 Year
4	RF Cable	MIYAZAKI	8D-FB	No.1	Jun.06, 07	1/2 Year

5.2. Test Information

EUT:	108M Wireless Access Point
M/N:	TL-WA601G
Test Date:	Sep.11, 2007
Ambient Temperature:	23°C
Relative Humidity:	60%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX/ IEEE 802.11g Turbo TX
Data rate:	11Mbps for IEEE802.11b,54Mbps for IEEE802.11g 108Mbps for IEEE802.11g Turbo Mode
Test Frequency:	CH1: 2412MHz CH7: 2442MHz CH11: 2462MHz CH6: 2437MHz
Tested By:	Jamy

5.3. Test Procedure

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

5.4. Test Results

Test Mode: IEEE 802.11b TX

CH	6dB Bandwidth (MHz)	Limit	Conclusion
1	12.67	>500	PASS
7	13.33	>500	PASS
11	12.93	>500	PASS

Test Mode: IEEE 802.11g TX

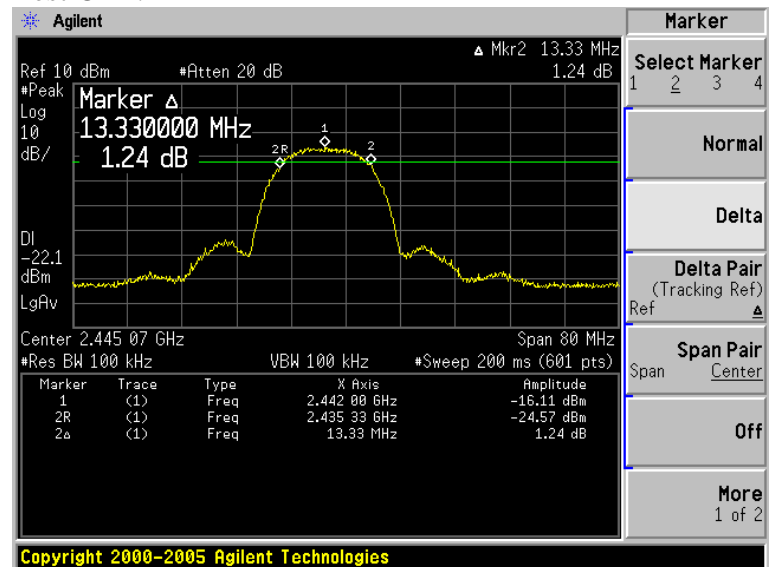
CH	6dB Bandwidth (MHz)	Limit	Conclusion
1	16.80	>500	PASS
7	16.80	>500	PASS
11	16.80	>500	PASS

Test Mode: IEEE 802.11g Turbo TX

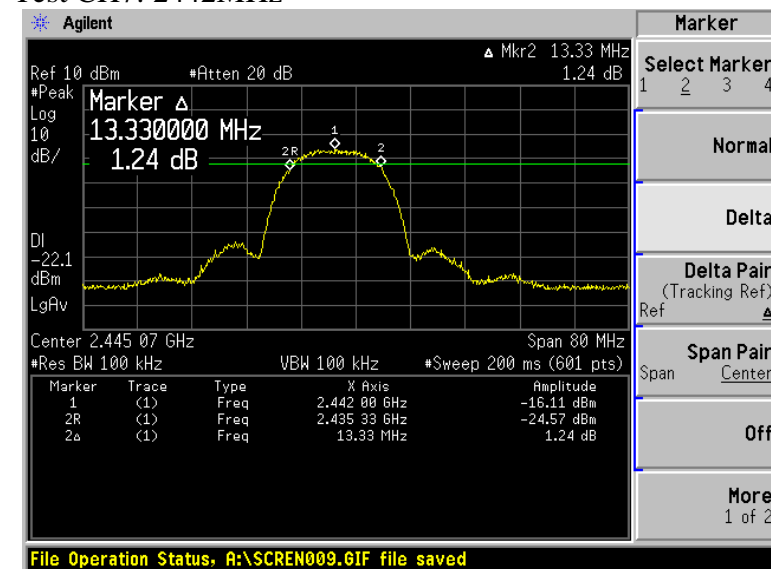
CH	6dB Bandwidth (MHz)	Limit	Conclusion
6	33.5	>500	PASS

Test Mode: IEEE 802.11b TX

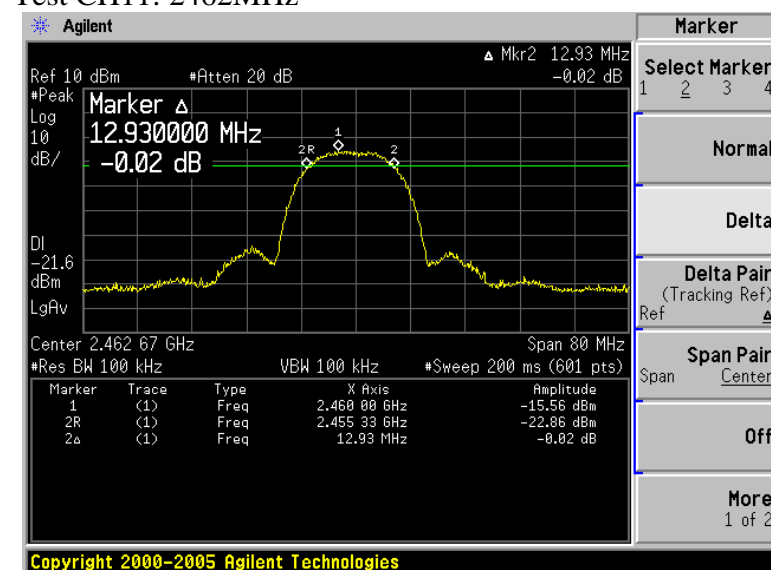
Test CH1: 2412MHz



Test CH7: 2442MHz

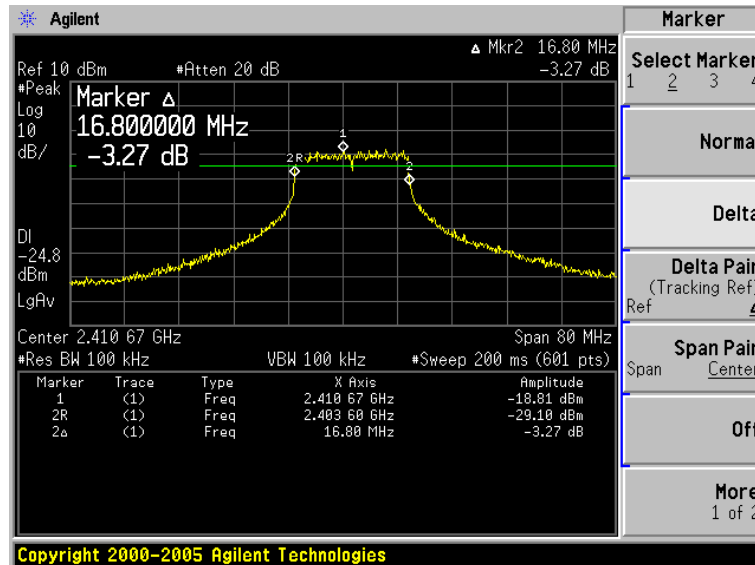


Test CH11: 2462MHz

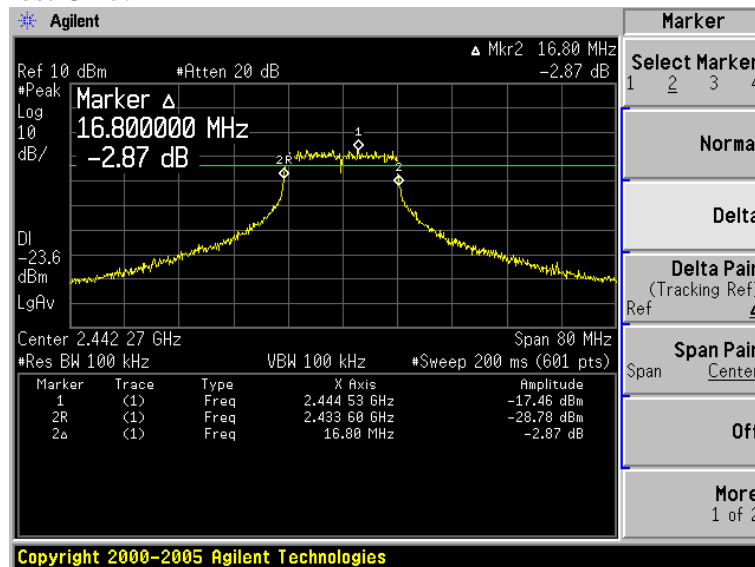


Test Mode: IEEE 802.11g TX

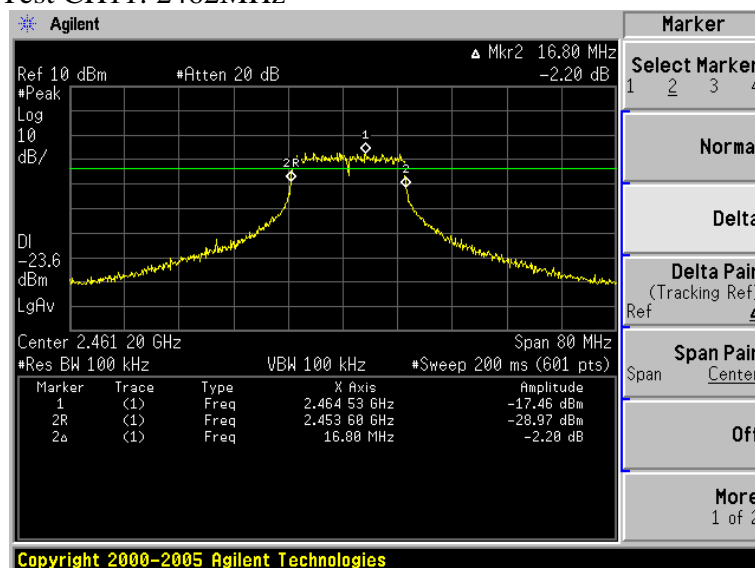
Test CH1: 2412MHz



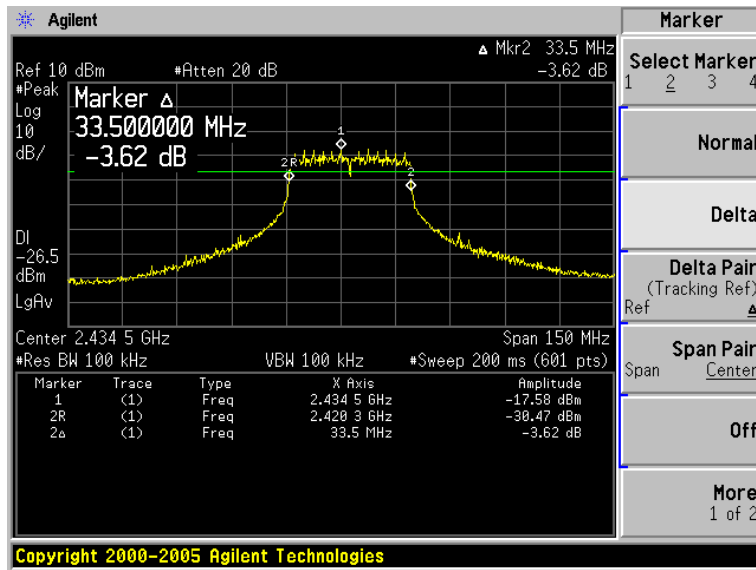
Test CH7: 2442MHz



Test CH11: 2462MHz



Test Mode: IEEE 802.11g Turbo TX
 Test CH6: 2437MHz



6. OUTPUT POWER TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Power meter	Anritsu	ML2487A	6K00002472	May,11, 07	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,11, 07	1 Year
3	RF Cable	MIYAZAKI	8D-FB	No.3	Jun.06, 07	1/2 Year
4.	RF Cable	MIYAZAKI	8D-FB	No.1	Jun.06, 07	1/2 Year

6.2. Test Information

EUT:	108M Wireless Access Point
M/N:	TL-WA601G
Test Date:	Sep.11, 2007
Ambient Temperature:	23°C
Relative Humidity:	60%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX/ IEEE 802.11g Turbo TX
Data rate:	11Mbps for IEEE802.11b,54Mbps for IEEE802.11g 108Mbps for IEEE802.11g Turbo Mode
Test Frequency:	CH1: 2412MHz CH7: 2442MHz CH11: 2462MHz CH6: 2437MHz
Tested By:	Jamy

6.3. Test Procedure

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

6.4. Test Results

Test mode: IEEE 802.11b TX

Test CH	Read(PK) (dBm)	Cable loss(dB)	Atten loss (dB)	Result (dBm)	Limit (dBm)	Conclusion
1	-3.65	0.6	20	16.95	30	PASS
7	-3.03	0.6	20	17.57	30	PASS
11	-2.76	0.6	20	17.84	30	PASS

Test mode: IEEE 802.11g TX

Test CH	Read (dBm)	Cable loss(dB)	Atten loss (dB)	Result (dBm)	Limit (dBm)	Conclusion
1	1.58	0.6	20	22.18	30	PASS
7	4.01	0.6	20	24.61	30	PASS
11	1.47	0.6	20	22.07	30	PASS

Test mode: IEEE 802.11g Turbo TX

Test CH	Read (dBm)	Cable loss(dB)	Atten loss (dB)	Result (dBm)	Limit (dBm)	Conclusion
6	4.13	0.6	20	24.73	30	PASS

7. BAND EDGE COMPLIANCE TEST

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May,11, 07	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,11, 07	1 Year
3	RF Cable	MIYAZAKI	8D-FB	No.3	Jun.06, 07	1/2 Year
4	RF Cable	MIYAZAKI	8D-FB	No.1	Jun.06, 07	1/2 Year

7.2. Test Information

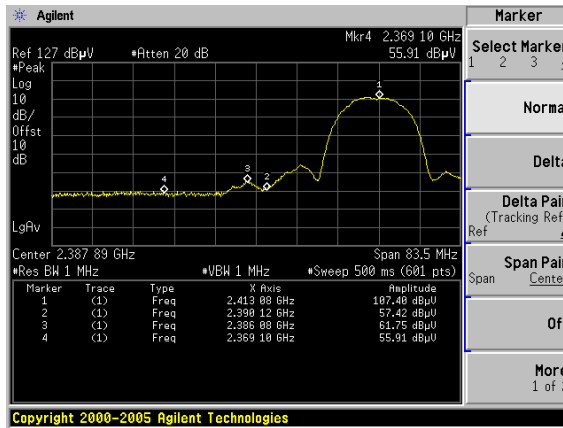
EUT:	108M Wireless Access Point
M/N:	TL-WA601G
Test Date:	Sep.11, 2007
Ambient Temperature:	23°C
Relative Humidity:	60%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX/ IEEE 802.11g Turbo TX
Data rate:	11Mbps for IEEE802.11b,54Mbps for IEEE802.11g 108Mbps for IEEE802.11g Turbo Mode
Test Frequency:	CH1: 2412MHz CH11: 2462MHz CH6: 2437MHz
Test By:	Jamy

7.3. Test Results

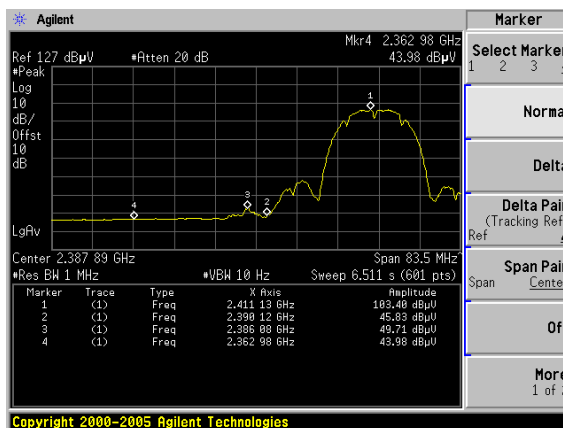
Pass

Test mode: IEEE 802.11b TX

CH1: 2412MHz

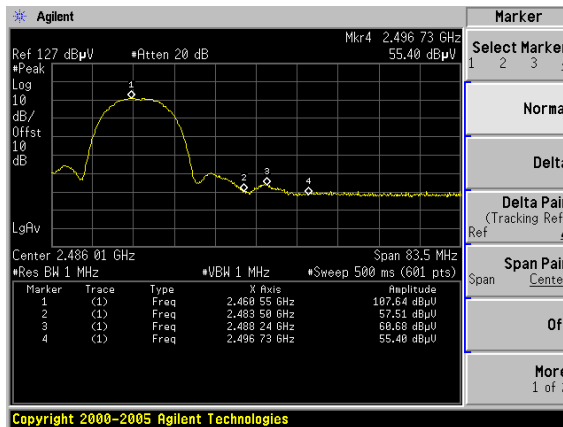


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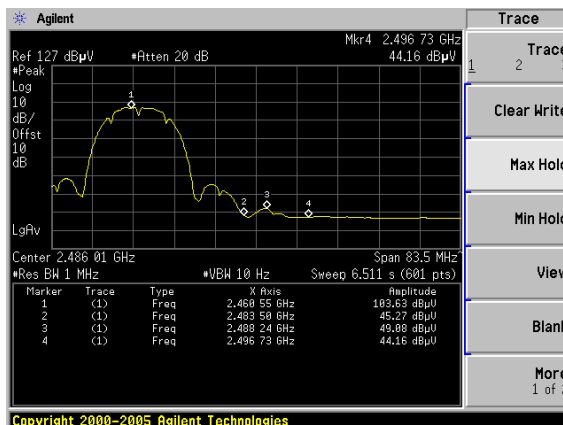


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CH11: 2462MHz

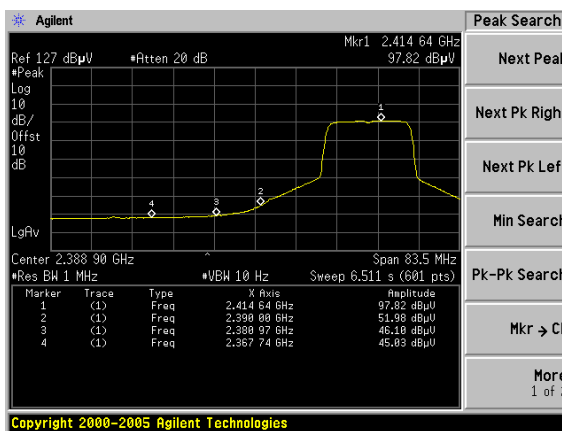
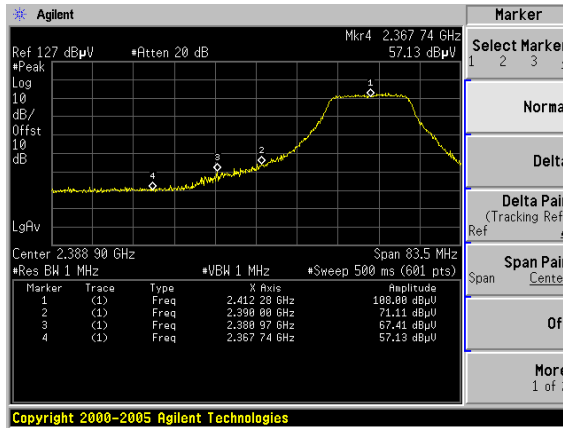


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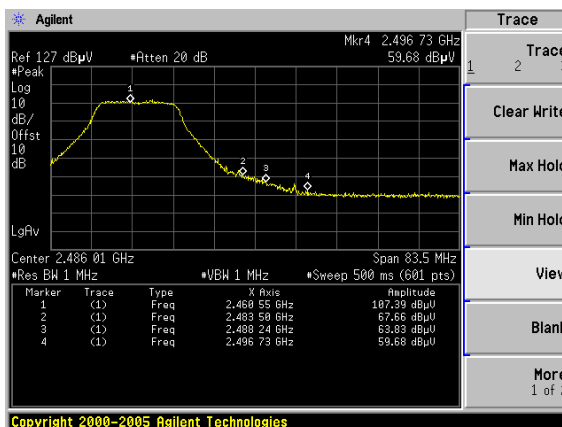
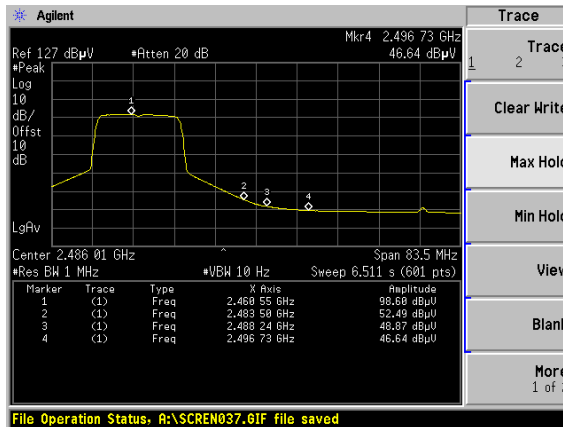


Copyright 2000-2005 Agilent Technologies

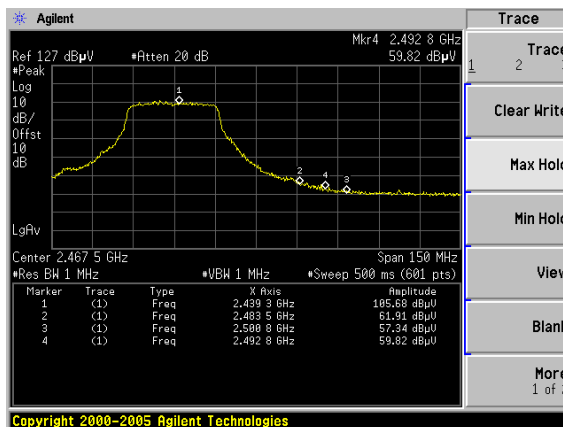
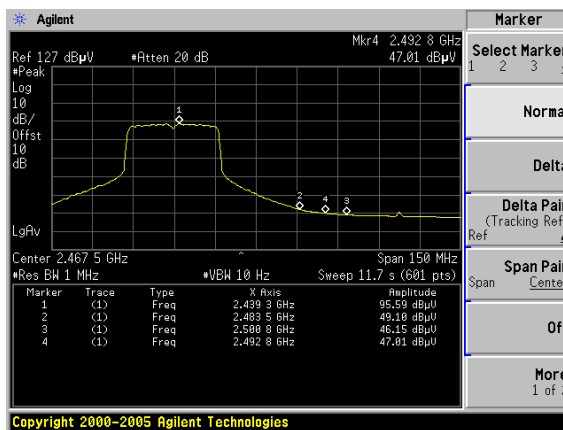
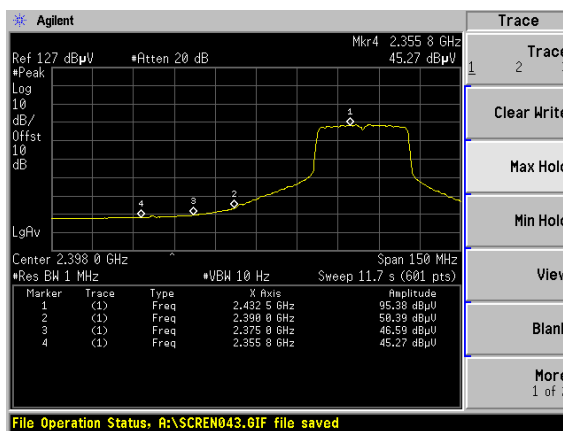
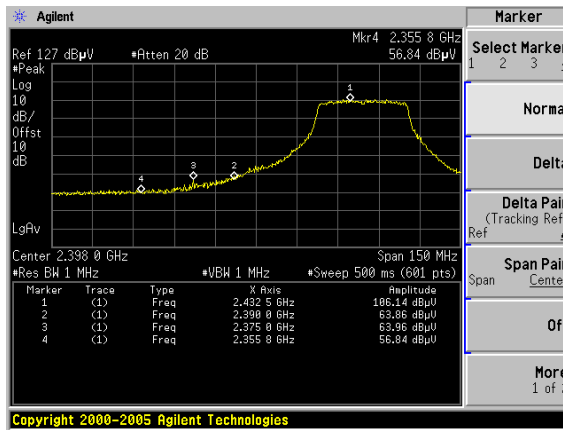
Test mode: IEEE 802.11g TX
CH1: 2412MHz



CH11: 2462MHz



Test mode: IEEE 802.11g Turbo TX
CH6: 2437MHz



8. POWER SPECTRAL DENSITY TEST

8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May,11, 07	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,11, 07	1 Year
3	RF Cable	MIYAZAKI	8D-FB	No.3	Jun.06, 07	1/2 Year
4	RF Cable	MIYAZAKI	8D-FB	No.1	Jun.06, 07	1/2 Year

8.2. Test Information

EUT:	108M Wireless Access Point
M/N:	TL-WA601G
Test Date:	Sep.11, 2007
Ambient Temperature:	23°C
Relative Humidity:	60%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX/ IEEE 802.11g Turbo TX
Data rate:	11Mbps for IEEE802.11b,54Mbps for IEEE802.11g 108Mbps for IEEE802.11g Turbo Mode
Test Frequency:	CH1: 2412MHz CH7: 2442MHz CH11: 2462MHz CH6: 2437MHz
Test By:	Jamy

8.3. Test Procedure

The transmitter output was connected to a spectrum analyzer via a Attenuator . The power density was measured by spectrum analyzer with 3 KHz RBW and 30KHz VBW, sweep time=span/3KHz.

8.4. Test Results

Test mode: IEEE 802.11b TX

Test CH	Read(PK) (dBm/3KHz)	Cable loss(dB)	Atten loss (dB)	Result (dBm/3KHz)	Limit (dBm/3KHz)	Conclusion
1	-26.34	0.6	20	-5.74	8	PASS
7	-26.74	0.6	20	-6.14	8	PASS
11	-25.55	0.6	20	-4.95	8	PASS

Test mode: IEEE 802.11g TX

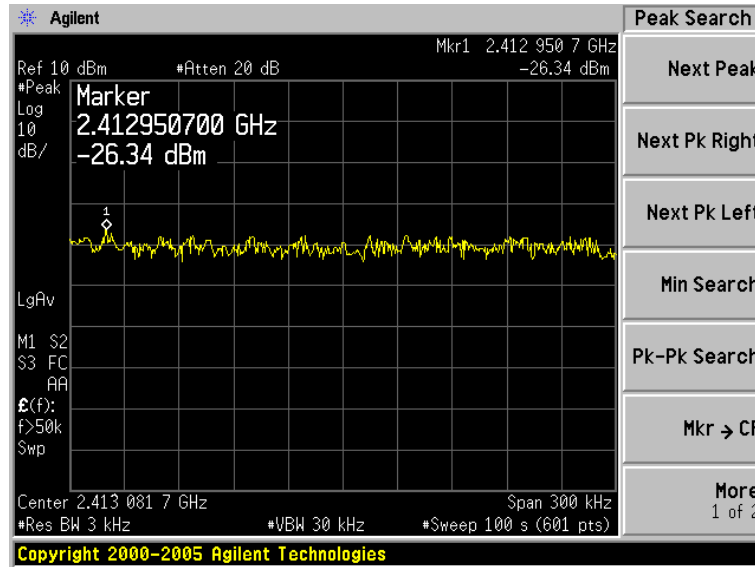
Test CH	Read (dBm/3KHz)	Cable loss(dB)	Atten loss (dB)	Result (dBm)	Limit (dBm)	Conclusion
1	-28.43	0.6	20	-7.83	8	PASS
7	-26.85	0.6	20	-6.25	8	PASS
11	-27.67	0.6	20	-7.07	8	PASS

Test mode: IEEE 802.11g Turbo TX

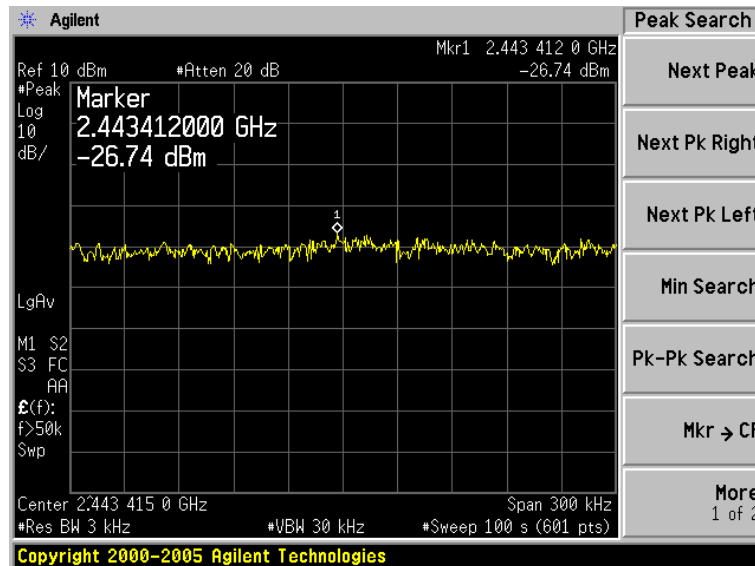
Test CH	Read (dBm/3KHz)	Cable loss(dB)	Atten loss (dB)	Result (dBm)	Limit (dBm)	Conclusion
6	-27.99	0.6	20	-7.39	8	PASS

Test Mode: IEEE 802.11b TX

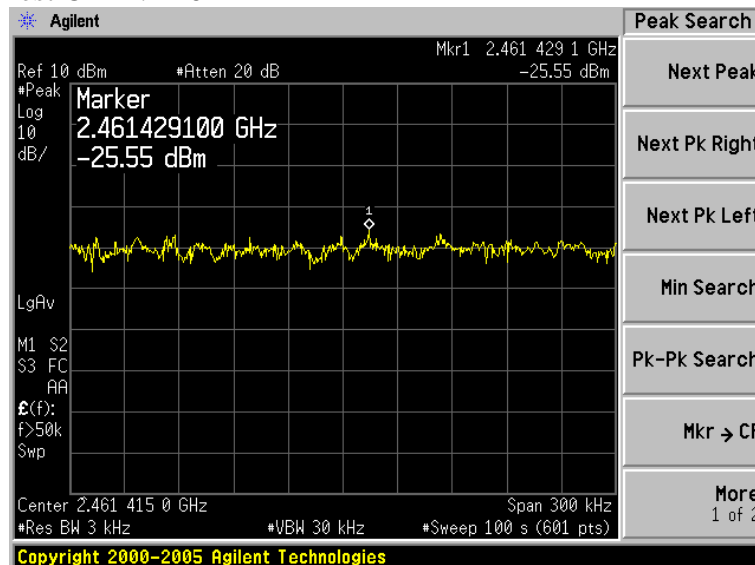
Test CH1: 2412MHz



Test CH7: 2442MHz

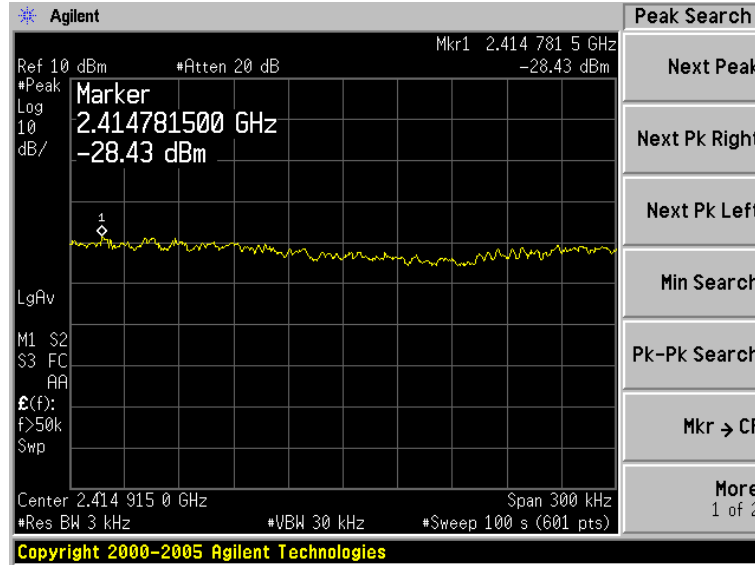


Test CH11: 2462MHz

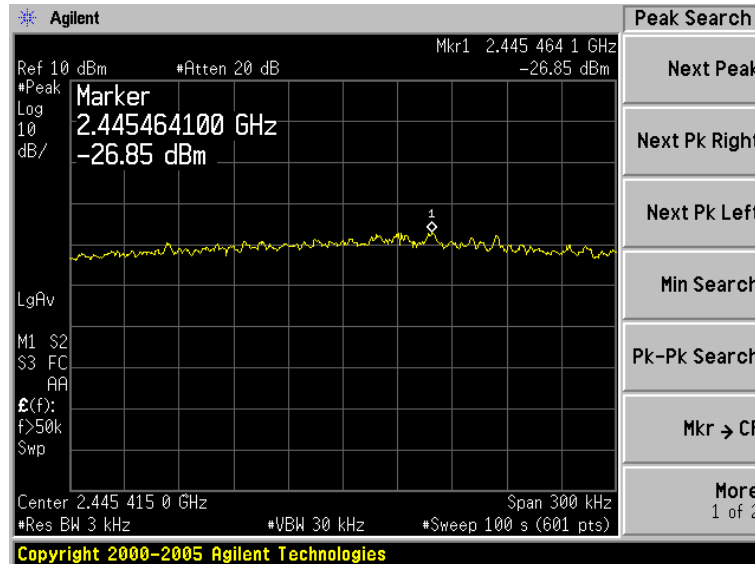


Test Mode: IEEE 802.11g TX

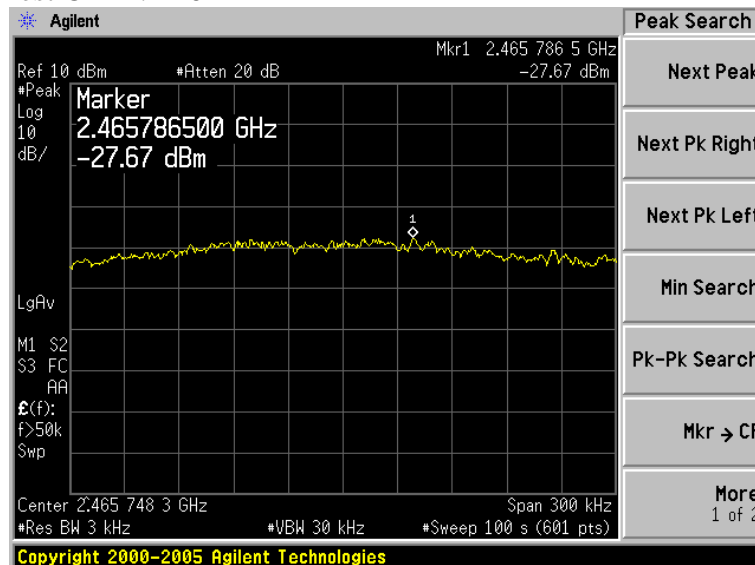
Test CH1: 2412MHz



Test CH7: 2442MHz

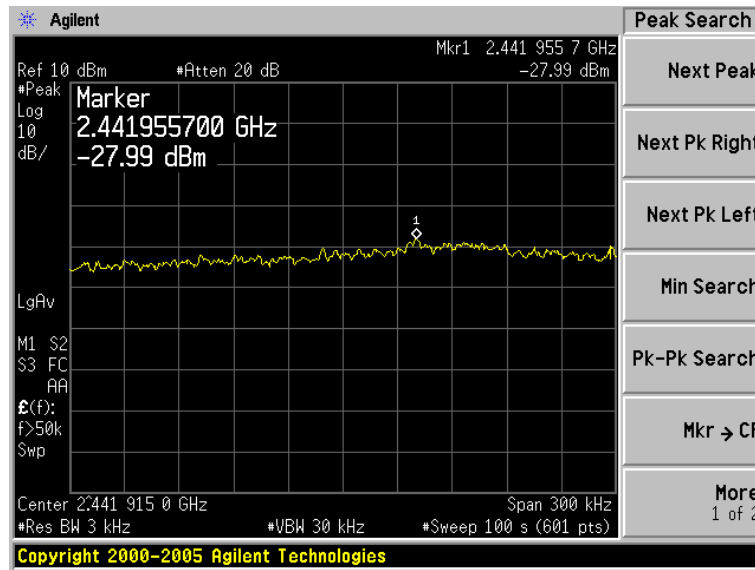


Test CH11: 2462MHz



Test Mode: IEEE 802.11g Turbo TX

Test CH6: 2437MHz



10. ANTENNA REQUIREMENT

10.1 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.

10.2 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 4 dBi.

11.DEVIATION TO TEST SPECIFICATIONS

[NONE]