

APPLICATION FOR CERTIFICATION

On Behalf of

TP-LINK Technologies Co., Ltd

54M Wireless ADSL2 + Router

Model Number: TD-W8910G

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.
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Report Number : ACS-F07315
Date of Test : Jul. 03 ~ 07, 2007
Date of Report : Jul. 20, 2007

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TEST REPORT CERTIFICATION

Applicant : TP-LINK Technologies Co., Ltd
 Manufacturer : TP-LINK Technologies Co., Ltd
 EUT Description : 54M Wireless ADSL2 + Router
 (A) MODEL NO. : TD-W8910G
 (B) SERIAL NO. : N/A
 (C) POWER SUPPLY : DC 12V From Adapter AC 120V/60Hz

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C 2006

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 :

Jul. 03 ~ 07, 2007

Prepared by :

YoYo Wang

YoYo Wang / Assistant

Reviewer :

Iceman Hu

Iceman Hu / Supervisor



信華科技(深圳)有限公司

Audix Technology (Shenzhen) Co., Ltd.

EMC 部門報告專用章

Stamp only for EMC Dept. Report

Signature:

Ken Lu 8/4/07

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	:	54M Wireless ADSL2 + Router
Model Number	:	TD-W8910G
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	:	23.66dBm(measured)
Power	:	DC 12V from adapter 120V/60Hz
Antenna Assembly Gain	:	3dBi (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: MT12-4120100-A1 Cable: Unshielded, Detachable, 1.5m
Date of Test	:	Jul.03~07, 2007

2.2. Tested Supporting System Details

2.2.1. PC 1#

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. PC 2#

EMC CODE	:	Test PC F
M/N	:	HP Pavilion W1000
S/N	:	THT442106N
Manufacturer	:	HP
Power Cord	:	Unshielded, Detachabled, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R33001

2.2.3. MONITOR 1#

EMC CODE	:	Test Monitor B
M/N	:	E772F
S/N	:	CN-02W486-64180-3CE-00LA
Manufacturer	:	Dell
Data Cable	:	Shielded, Undetachabled, 1.8m
Power cord	:	Unshielded, detachabled , 1.8m
FCC ID	:	By DoC
BSMI ID	:	N/A

2.2.4. MONITOR 2#

EMC CODE	:	ACS-EMC-LM02R
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

2.2.5.MOUSE 1#

EMC CODE	:	ACS-EMC-M05R
M/N	:	N3+ Optical
S/N	:	K043240960
Manufacturer	:	HP
Data Cable	:	Shielded, Undetachabled, 1.8m
FCC ID	:	By DoC
BSMI ID	:	R31258

2.2.6.MOUSE 2#

EMC CODE	:	ACS-EMC-M08R
M/N	:	M056UOA
S/N	:	F1800P4E
Manufacturer	:	DELL
Data Cable	:	Shielded, Undetachabled, 2.0m
FCC ID	:	By DoC
BSMI ID	:	R41108

2.2.7.KEYBOARD 1#

EMC CODE	:	ACS-EMC-K05R
M/N	:	HP3310
Manufacturer	:	HP
Data Cable	:	Shielded, Undetachabled, 2.7m
FCC ID	:	By DoC
BSMI ID	:	N/A

2.2.8.KEYBOARD 2#

EMC CODE	:	ACS-EMC-K04R
M/N	:	SK-3210
Manufacturer	:	Dell
Data Cable	:	Shielded, Undetachabled, 3.1m
FCC ID	:	By DoC
BSMI ID	:	3902B761

2.2.9.MODEM

EMC CODE	:	ACS-EMC-MD01
M/N	:	1414
S/N	:	980013578
Manufacturer	:	ACEEX
Data Cable	:	Shielded, Detachable, 1.5m
Power Adaptor	:	Unshielded, Detachable, 1.6
Adaptor Manufacturer	:	TGL
Adaptor Model No	:	MDE130100TH
FCC ID	:	IFAXDM1414
BSMI ID	:	N/A

2.2.10.PRINTER

EMC CODE	:	ACS-EMC-PT01
M/N	:	2225C
Manufacturer	:	HP
Data Cable	:	Shielded, Detachable, 1.5m
Power Cord	:	Unshielded, Detachable, 1.8m
FCC ID	:	BS46XU2225C
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 Frequency measure	0.42×10^{-6}
5.	Uncertainty for conducted power measure	0.112

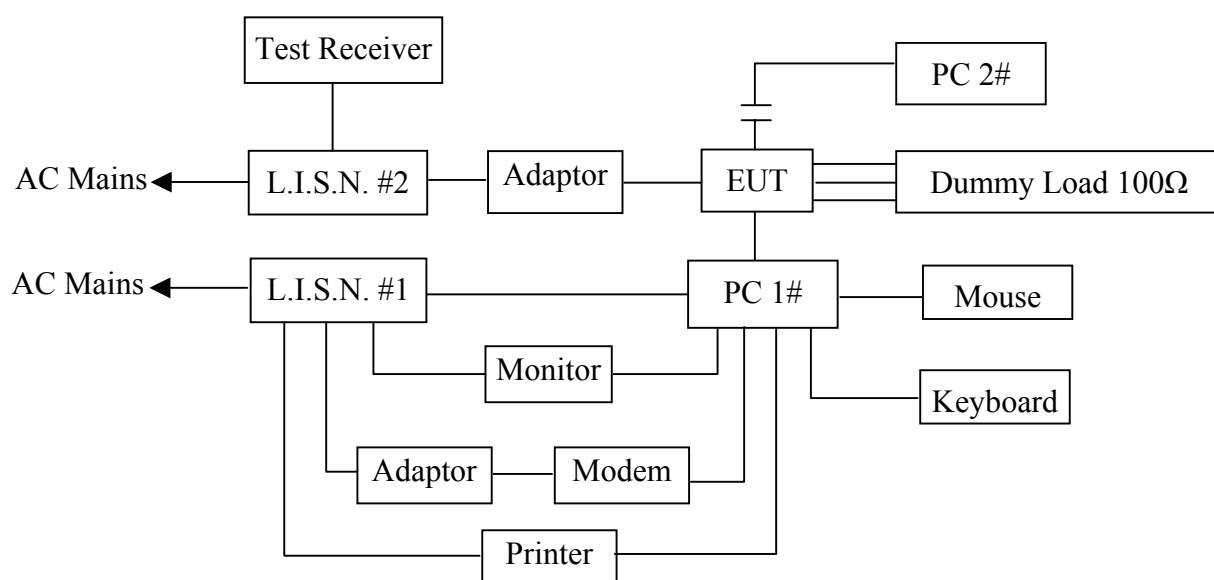
3. POWER LINE CONDUCTED EMISSION TEST

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.#1	Rohde & Schwarz	ESH2-Z5	834066/011	May 11, 07	1 Year
3.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	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#	Feb.16, 07	1/2 Year
6.	Coaxial Switch	Anritsu	MP59B	M55367	Feb.16, 07	1/2 Year
7.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100340	Feb.16, 07	1/2 Year

3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators



(EUT: 54M Wireless ADSL2 + Router)

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.

3.4.1.54M Wireless ADSL2 + Router (EUT)

Model Number : TD-W8910G
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 2# running Ping program with one LAN port of the EUT

3.5.4.PC 1# running Ping program with the other one LAN port of the EUT

3.5.5.PC 2# also running the Control program which can make the EUT work in test mode (TX mode)

3.5.6.The other ports of the EUT was connected to a 100Ω Dummy Load.

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.#1). 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 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.

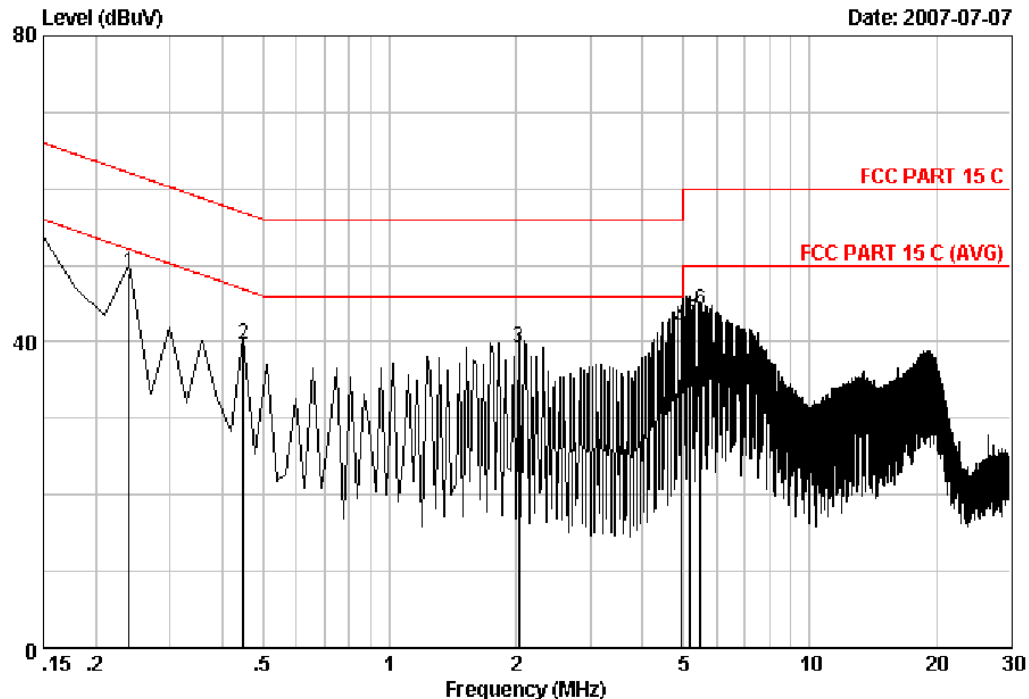


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Data: 7

File: D:\DATA\2007 Report\TTP-LINK\ACS7Q665.EMI (12)

Date: 2007-07-07



Site no. : Audix 1# Conduction Data no. : 7
Dis. / Ant. : -- KNW407 VA (1#) LISN Phase :
Limit : FCC PART 15 C
Env. / Ins. : Temp:23° Humi:54% ESHS10 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V Adapter input 120V/60Hz
Test Mode : Tx Mode

Freq. (MHz)	LISN. Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission		Margin	Remark
				Level (dBuV)	Limits (dBuV)		
1	0.24	10.14	38.74	49.03	62.11	13.08	QP
2	0.45	10.14	29.36	39.57	56.90	17.33	QP
3	2.03	10.15	29.10	39.30	56.00	16.70	QP
4	4.93	10.19	31.42	41.71	56.00	14.29	QP
5	5.19	10.19	32.56	42.85	60.00	17.15	QP
6	5.49	10.20	33.90	44.20	60.00	15.80	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.

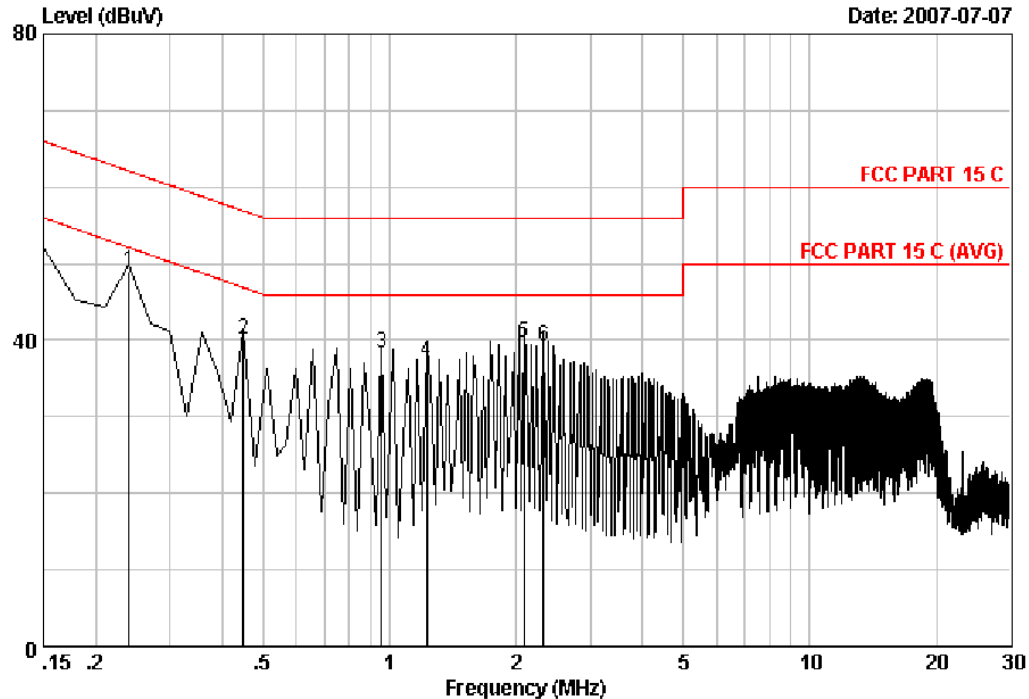


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Data: 8

File: D:\DATA\2007 Report\TTP-LINK\ACS7Q665.EMI (12)

Date: 2007-07-07



Site no. : Audix 1# Conduction Data no. : 8
Dis. / Ant. : -- KNW407 VB (1#) LISN Phase :
Limit : FCC PART 15 C
Env. / Ins. : Temp:23° Humi:54% ESHS10 Engineer : Jany
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V Adapter input 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	0.24	10.14	38.70	48.99	62.11	13.12	QP
2	0.45	10.14	29.97	40.18	56.90	16.72	QP
3	0.96	10.15	28.14	38.33	56.00	17.67	QP
4	1.22	10.15	26.98	37.17	56.00	18.83	QP
5	2.09	10.15	29.53	39.73	56.00	16.27	QP
6	2.33	10.16	28.97	39.19	56.00	16.81	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

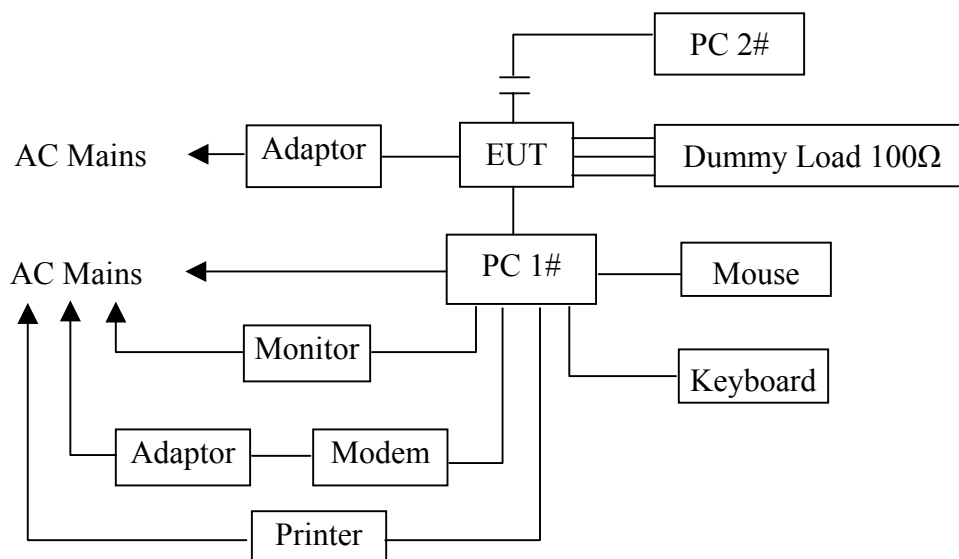
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Spectrum	HP	85422E	3625A00181	May 11, 07	1 Year
2.	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	May 11, 07	1 Year
3.	Amplifier	HP	8447D	2944A07794	Mar.12, 07	1/2 Year
4.	Bilog Antenna	Schaffner	CBL6111C	2598	Feb.22, 07	1 Year
5.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.1	Jan. 18, 07	1/2 Year
6.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	Jan. 18, 07	1/2 Year
7.	RF Cable	FUJIKURAw	RG-55/U	3# Chamber No.3	Jan. 18, 07	1/2 Year
8.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	Jan. 18, 07	1/2 Year
9.	Coaxial Switch	Anritsu	MP59B	M73989	Jan. 18, 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

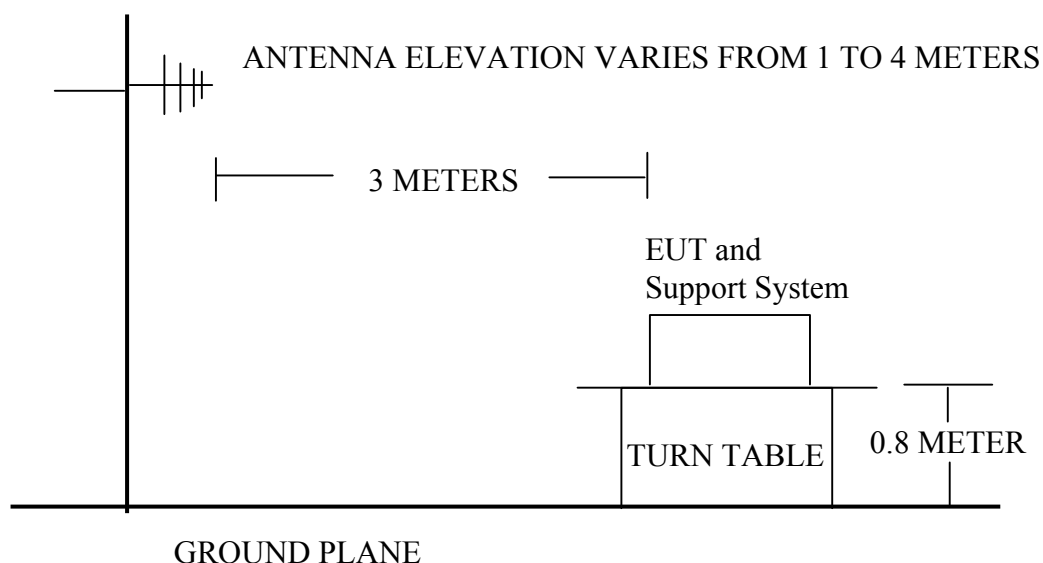
4.2.1. Block diagram of connection between the EUT and simulators



(EUT: 54M Wireless ADSL2 + Router)

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. 54M Wireless ADSL2 + Router (EUT)

Model Number : TD-W8910G
 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 4.2.
- 4.5.2.Turn on the power of all equipment.
- 4.5.3.PC 2# running Ping program with one LAN port of the EUT
- 4.5.4.PC 1# running Ping program with the other one LAN port of the EUT
- 4.5.5.PC 2# also running the Control program which can make the EUT work in test mode (TX mode)
- 4.5.6.The other ports of the EUT was connected to a 100Ω Dummy Load

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 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.

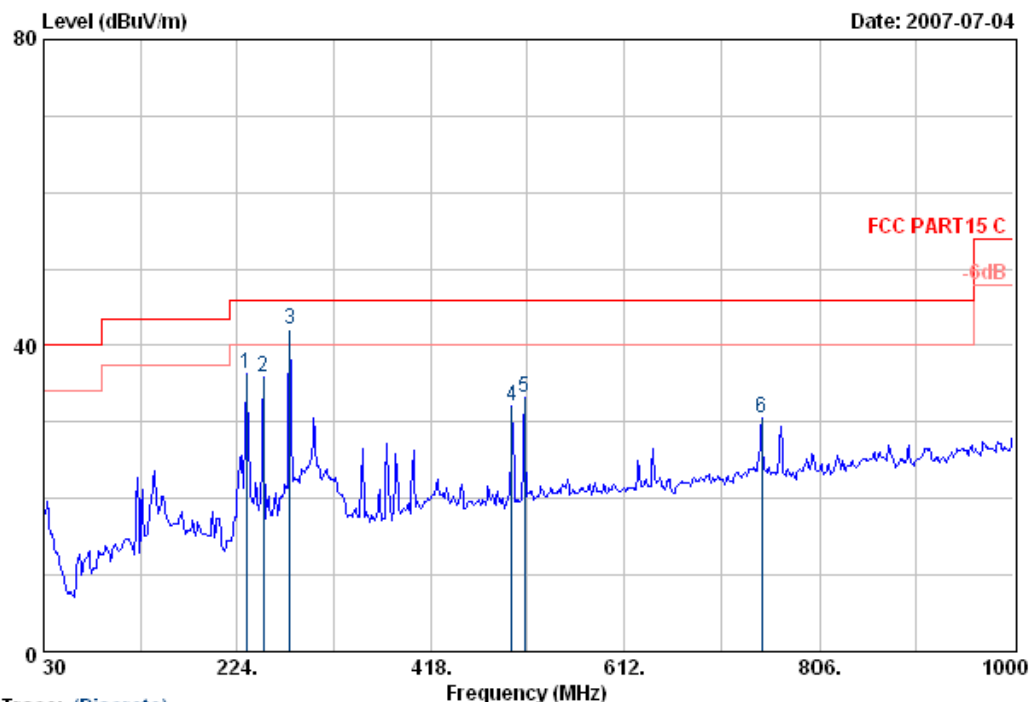
All the emissions except fundamental from 18GHz~24GHz are at least 20dB below the limit, and do not record.



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Data: 5 File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 5
Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
Limit : FCC PART15 C
Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX mode CH1

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	232.73	11.24	1.46	23.55	36.25	46.00	9.75	QP
2	250.19	12.70	1.51	21.68	35.89	46.00	10.11	QP
3	276.38	13.30	1.50	27.40	42.20	46.00	3.80	QP
4	499.48	18.10	2.02	11.93	32.05	46.00	13.95	QP
5	512.09	18.24	2.18	12.85	33.27	46.00	12.73	QP
6	749.74	21.90	2.59	6.04	30.53	46.00	15.47	QP

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

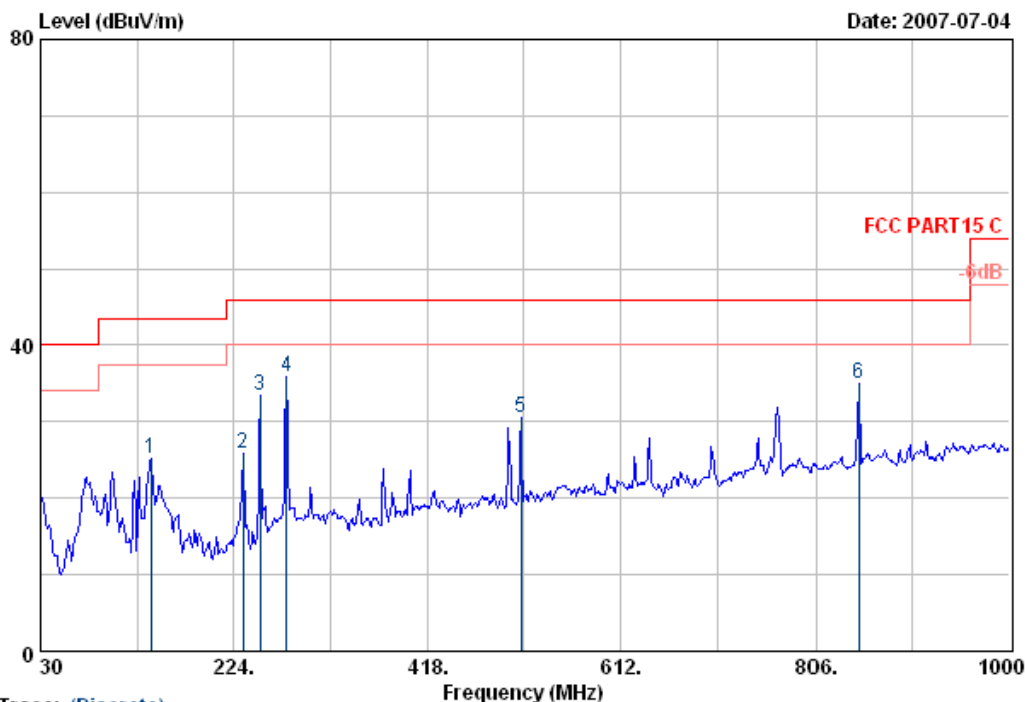


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Data: 6

File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



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 : 54M Wireless ADSL2+Router M/N:TD-W8910G
 Power Rating : DC 12V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX mode CH1

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	140.58	11.98	1.16	12.02	25.16	43.50	18.34	QP
2	232.73	11.24	1.46	13.18	25.88	46.00	20.12	QP
3	250.19	12.70	1.51	19.15	33.36	46.00	12.64	QP
4	276.38	13.30	1.50	21.07	35.87	46.00	10.13	QP
5	512.09	18.24	2.18	10.08	30.50	46.00	15.50	QP
6	848.68	22.70	2.73	9.54	34.97	46.00	11.03	QP

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

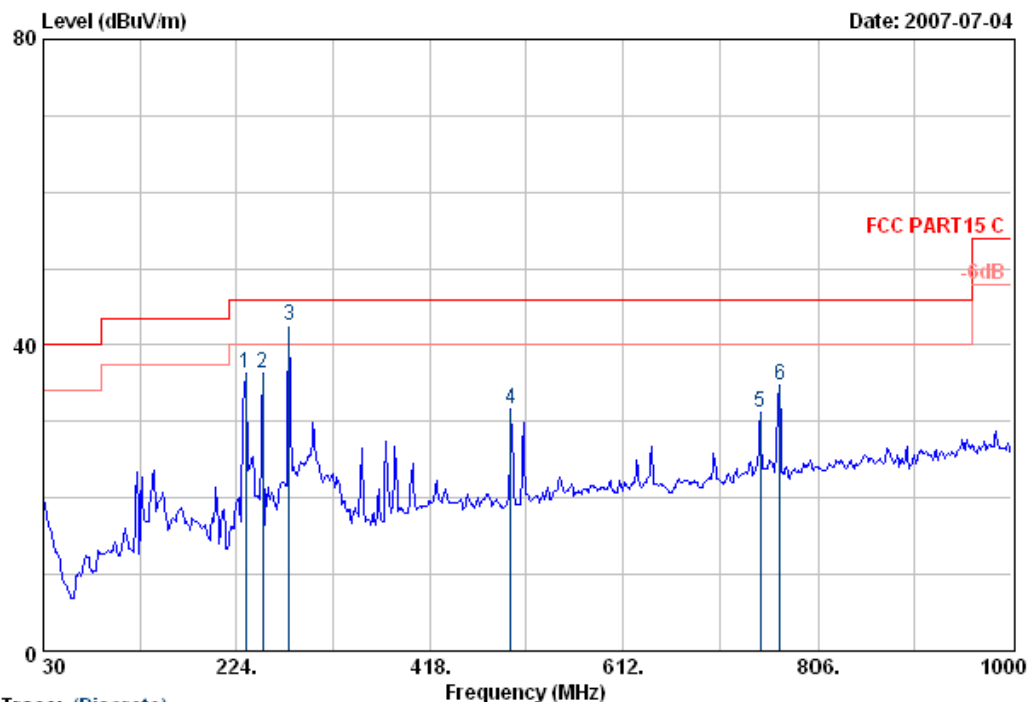


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Data: 8

File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 8
 Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART15 C
 Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
 EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
 Power Rating : DC 12V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX mode CH7

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	232.73	11.24	1.46	23.56	36.26	46.00	9.74	QP
2	250.19	12.70	1.51	22.01	36.22	46.00	9.78	QP
3	276.38	13.30	1.50	27.74	42.54	46.00	3.46	QP
4	499.48	18.10	2.02	11.44	31.56	46.00	14.44	QP
5	749.74	21.90	2.59	6.78	31.27	46.00	14.73	QP
6	769.14	21.80	2.23	10.62	34.65	46.00	11.35	QP

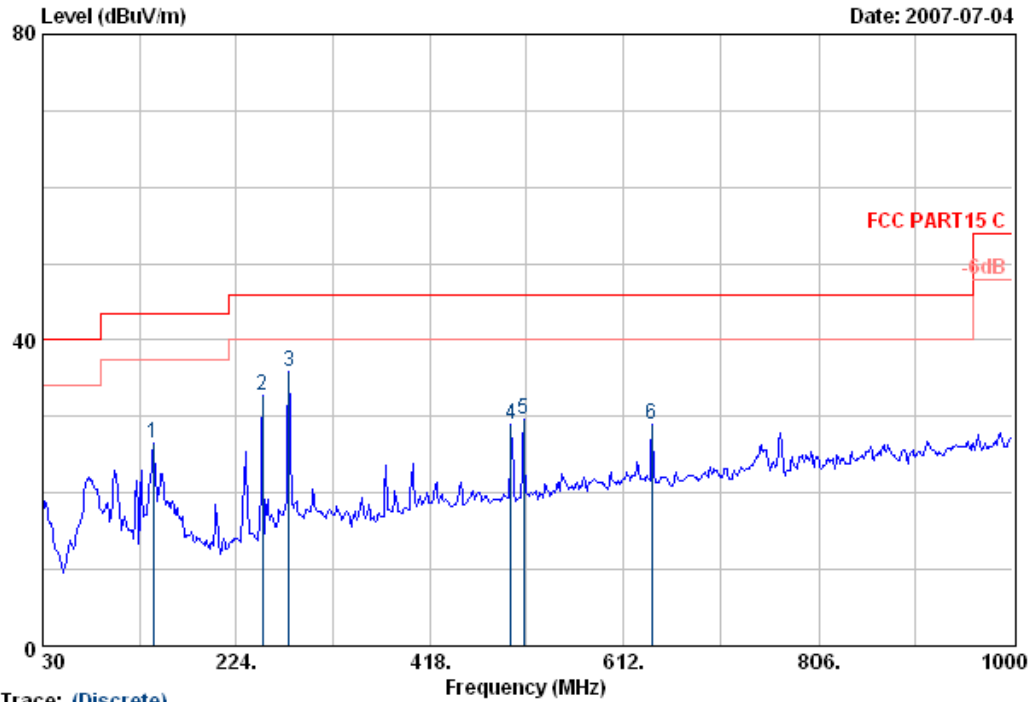
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Data: 7 File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 7
Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
Limit : FCC PART15 C
Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX mode CH7

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	140.58	11.98	1.16	13.29	26.43	43.50	17.07	QP
2	250.19	12.70	1.51	18.66	32.87	46.00	13.13	QP
3	276.38	13.30	1.50	21.13	35.93	46.00	10.07	QP
4	499.48	18.10	2.02	8.77	28.89	46.00	17.11	QP
5	512.09	18.24	2.18	9.27	29.69	46.00	16.31	QP
6	640.13	20.30	2.32	6.26	28.88	46.00	17.12	QP

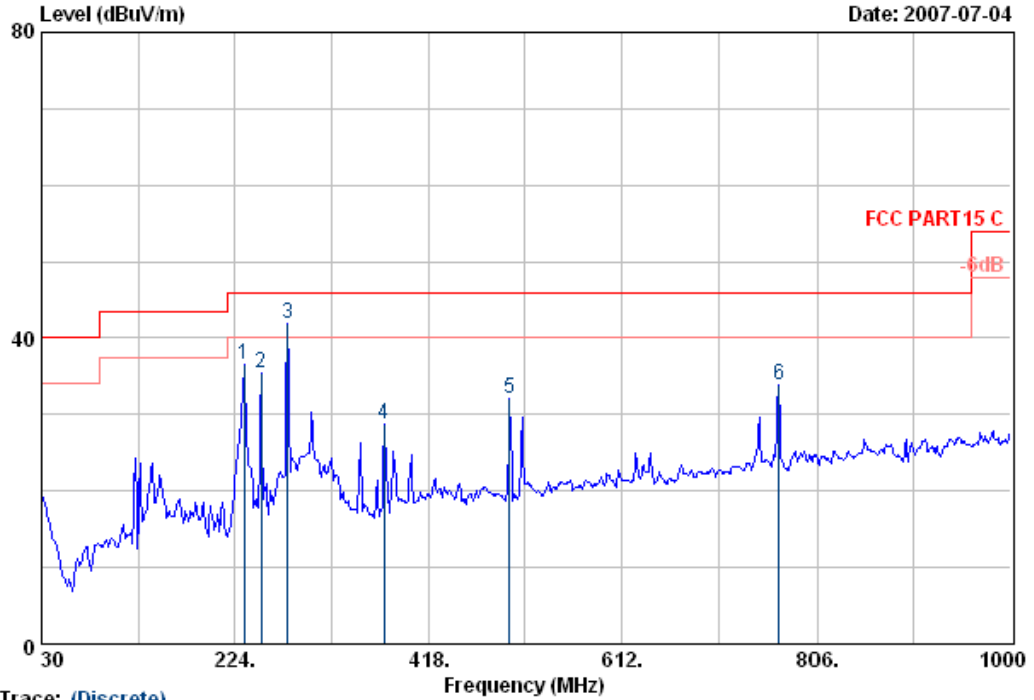
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 9 File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 9
Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
Limit : FCC PART15 C
Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX mode CH11

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	232.73	11.24	1.46	23.85	36.55	46.00	9.45	QP
2	250.19	12.70	1.51	21.25	35.46	46.00	10.54	QP
3	276.38	13.30	1.50	27.01	41.81	46.00	4.19	QP
4	373.38	15.62	1.78	11.24	28.64	46.00	17.36	QP
5	499.48	18.10	2.02	11.90	32.02	46.00	13.98	QP
6	769.14	21.80	2.23	9.77	33.80	46.00	12.20	QP

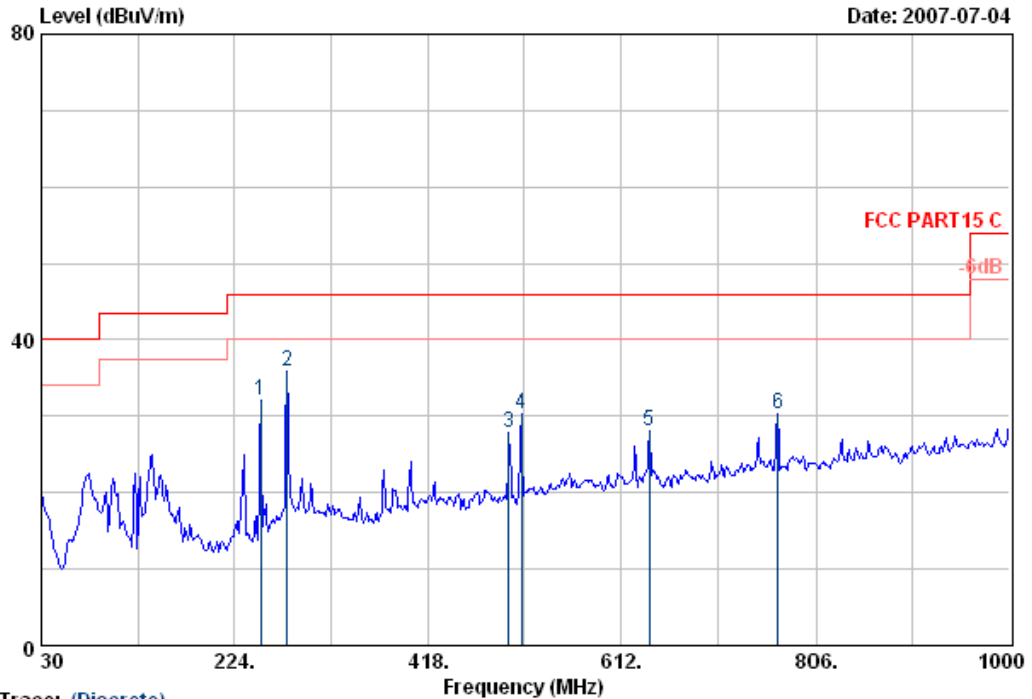
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 10 File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 10
Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
Limit : FCC PART15 C
Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX mode CH11

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	250.19	12.70	1.51	17.83	32.04	46.00	13.96	QP
2	276.38	13.30	1.50	21.15	35.95	46.00	10.05	QP
3	499.48	18.10	2.02	7.72	27.84	46.00	18.16	QP
4	512.09	18.24	2.18	9.95	30.37	46.00	15.63	QP
5	640.13	20.30	2.32	5.57	28.19	46.00	17.81	QP
6	769.14	21.80	2.23	6.31	30.34	46.00	15.66	QP

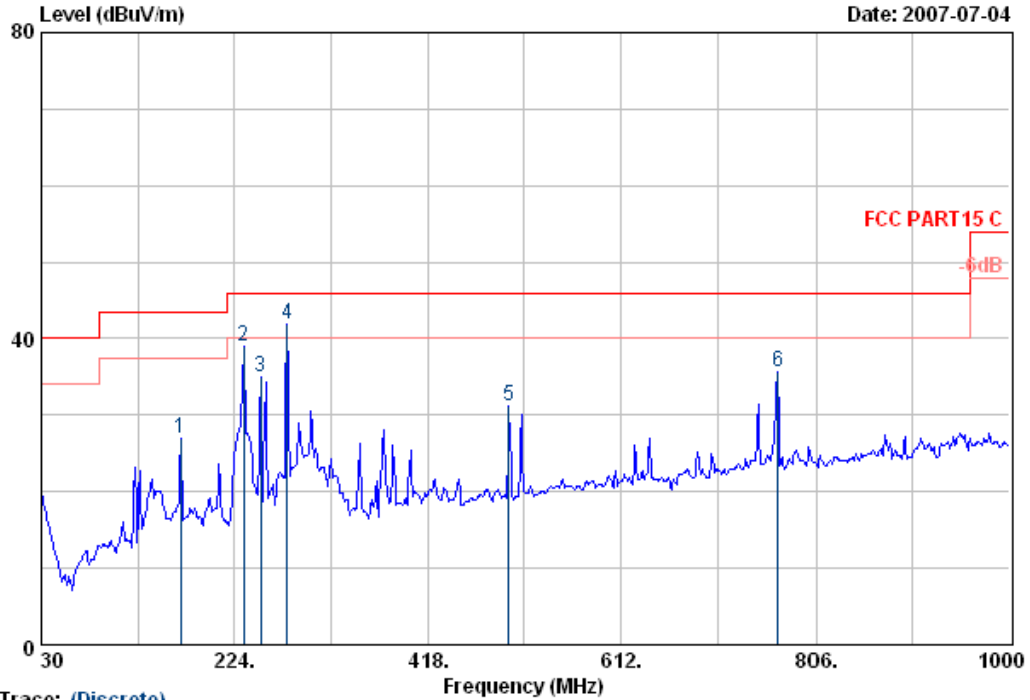
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 12
Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
Limit : FCC PART15 C
Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX mode CH1

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	169.68	10.20	1.25	15.61	27.06	43.50	16.44	QP
2	232.73	11.24	1.46	26.23	38.93	46.00	7.07	QP
3	250.19	12.70	1.51	20.79	35.00	46.00	11.00	QP
4	277.00	13.30	1.52	27.00	41.82	46.00	4.18	QP
5	499.48	18.10	2.02	10.97	31.09	46.00	14.91	QP
6	769.14	21.80	2.23	11.70	35.73	46.00	10.27	QP

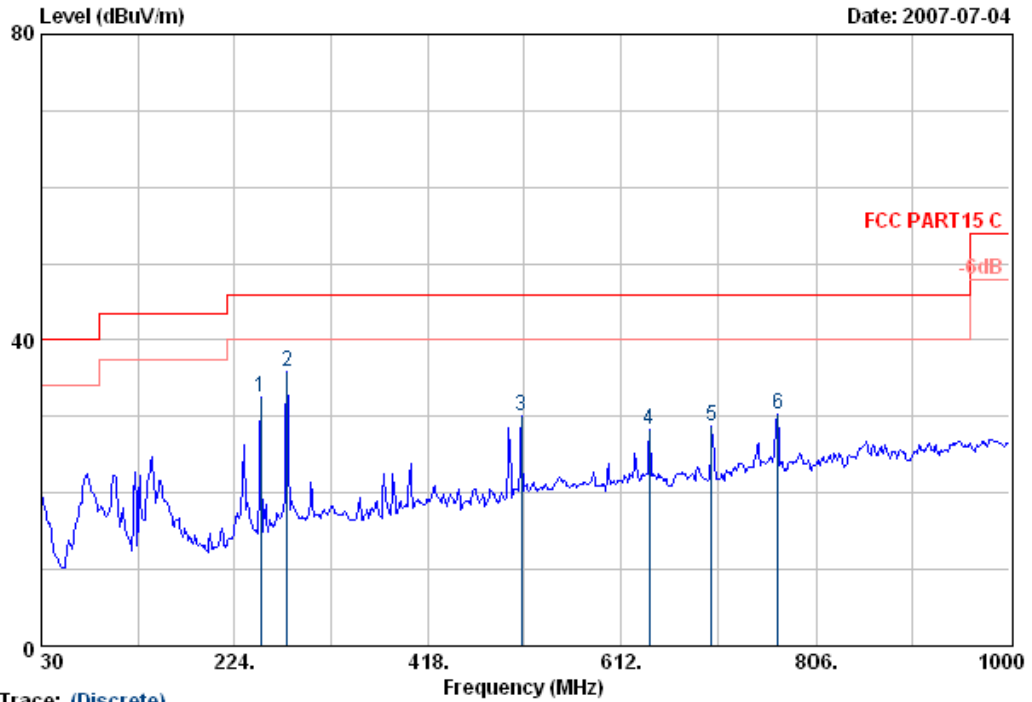
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 11
Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
Limit : FCC PART15 C
Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX mode CH1

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	250.19	12.70	1.51	18.36	32.57	46.00	13.43	QP
2	276.38	13.30	1.50	21.07	35.87	46.00	10.13	QP
3	512.09	18.24	2.18	9.75	30.17	46.00	15.83	QP
4	640.13	20.30	2.32	5.60	28.22	46.00	17.78	QP
5	703.18	20.70	2.43	5.69	28.82	46.00	17.18	QP
6	769.14	21.80	2.23	6.37	30.40	46.00	15.60	QP

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

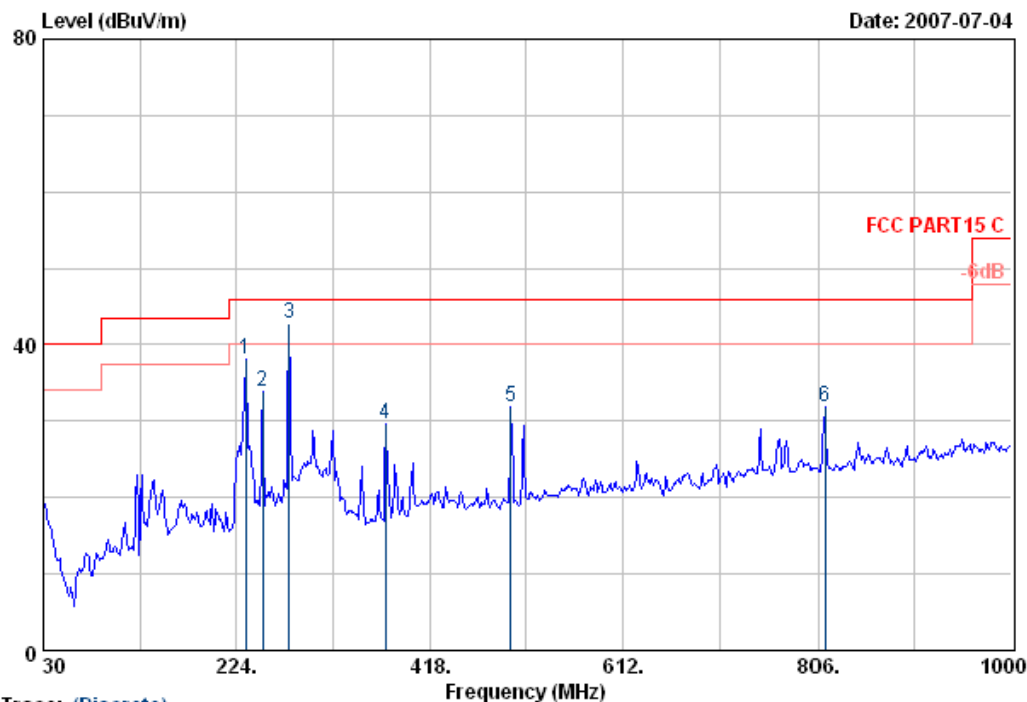


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Data: 13

File: D:\2007 Report Data\TTP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 13
 Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
 Limit : FCC PART15 C
 Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
 EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
 Power Rating : DC 12V From adapter 120V/60Hz
 Test Mode : IEEE 802.11g TX mode CH7

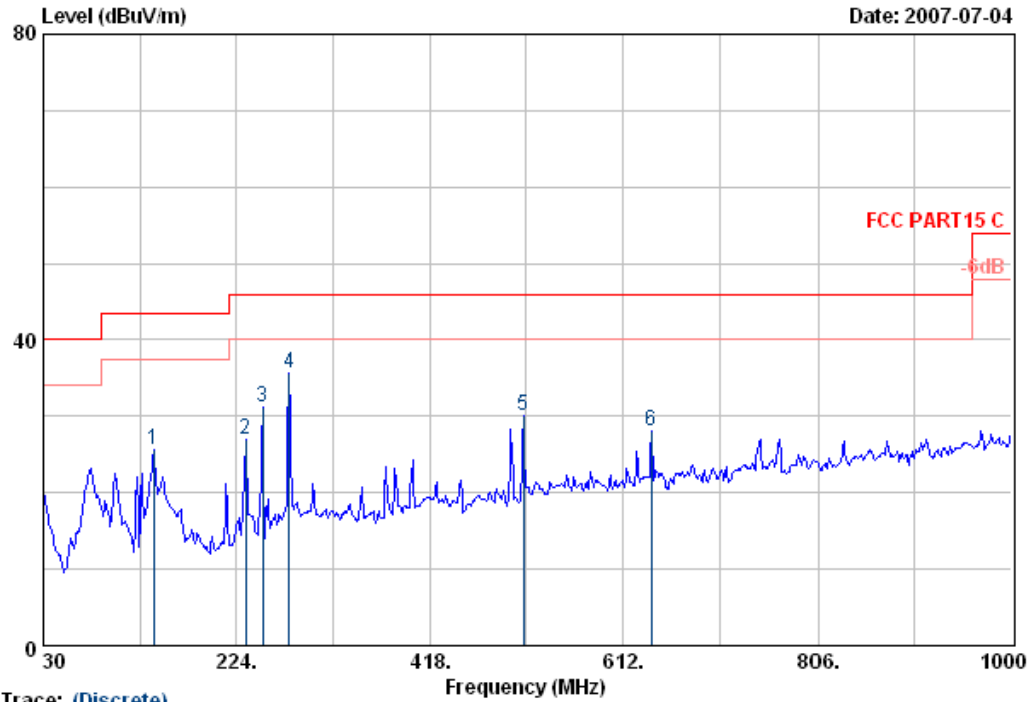
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	232.73	11.24	1.46	25.38	38.08	46.00	7.92	QP
2	250.19	12.70	1.51	19.69	33.90	46.00	12.10	QP
3	276.38	13.30	1.50	27.95	42.75	46.00	3.25	QP
4	373.38	15.62	1.78	12.17	29.57	46.00	16.43	QP
5	499.48	18.10	2.02	11.71	31.83	46.00	14.17	QP
6	812.79	22.02	2.66	7.25	31.93	46.00	14.07	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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Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 14
Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
Limit : FCC PART15 C
Env. / Ins. : 24*C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX mode CH7

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	140.58	11.98	1.16	12.40	25.54	43.50	17.96	QP
2	232.73	11.24	1.46	14.23	26.93	46.00	19.07	QP
3	250.19	12.70	1.51	16.96	31.17	46.00	14.83	QP
4	276.38	13.30	1.50	20.84	35.64	46.00	10.36	QP
5	512.09	18.24	2.18	9.73	30.15	46.00	15.85	QP
6	640.13	20.30	2.32	5.43	28.05	46.00	17.95	QP

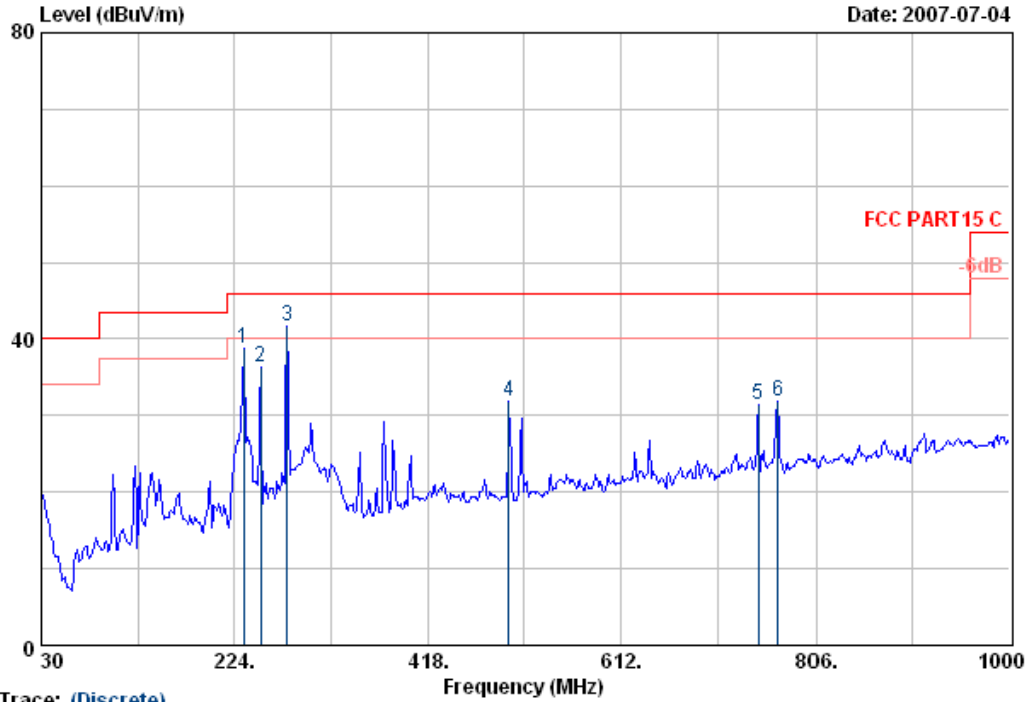
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 16 File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 16
Dis. / Ant. : 3m 2598 Ant. pol. : HORIZONTAL
Limit : FCC PART15 C
Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX mode CH11

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	232.73	11.24	1.46	26.05	38.75	46.00	7.25	QP
2	250.19	12.70	1.51	22.01	36.22	46.00	9.78	QP
3	276.38	13.30	1.50	26.96	41.76	46.00	4.24	QP
4	499.48	18.10	2.02	11.66	31.78	46.00	14.22	QP
5	749.74	21.90	2.59	6.91	31.40	46.00	14.60	QP
6	769.14	21.80	2.23	7.79	31.82	46.00	14.18	QP

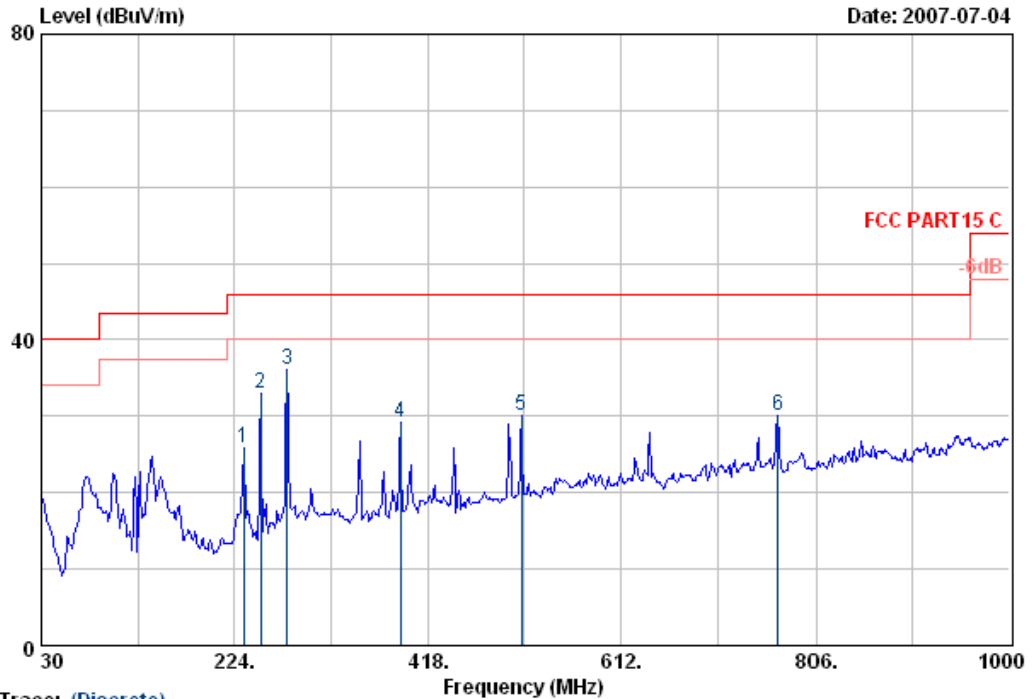
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Data: 15 File: D:\2007 Report Data\T\TP-LINK\ACS7Q665.EMI (16)

Date: 2007-07-04



Trace: (Discrete)

Site no. : 3# Chamber Radiation Data no. : 15
Dis. / Ant. : 3m 2598 Ant. pol. : VERTICAL
Limit : FCC PART15 C
Env. / Ins. : 24°C/56% ESVS20 Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX mode CH11

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	232.73	11.24	1.46	13.16	25.86	46.00	20.14	QP
2	250.19	12.70	1.51	18.66	32.87	46.00	13.13	QP
3	276.38	13.30	1.50	21.27	36.07	46.00	9.93	QP
4	390.84	16.22	1.83	11.08	29.13	46.00	16.87	QP
5	512.09	18.24	2.18	9.65	30.07	46.00	15.93	QP
6	769.14	21.80	2.23	5.98	30.01	46.00	15.99	QP

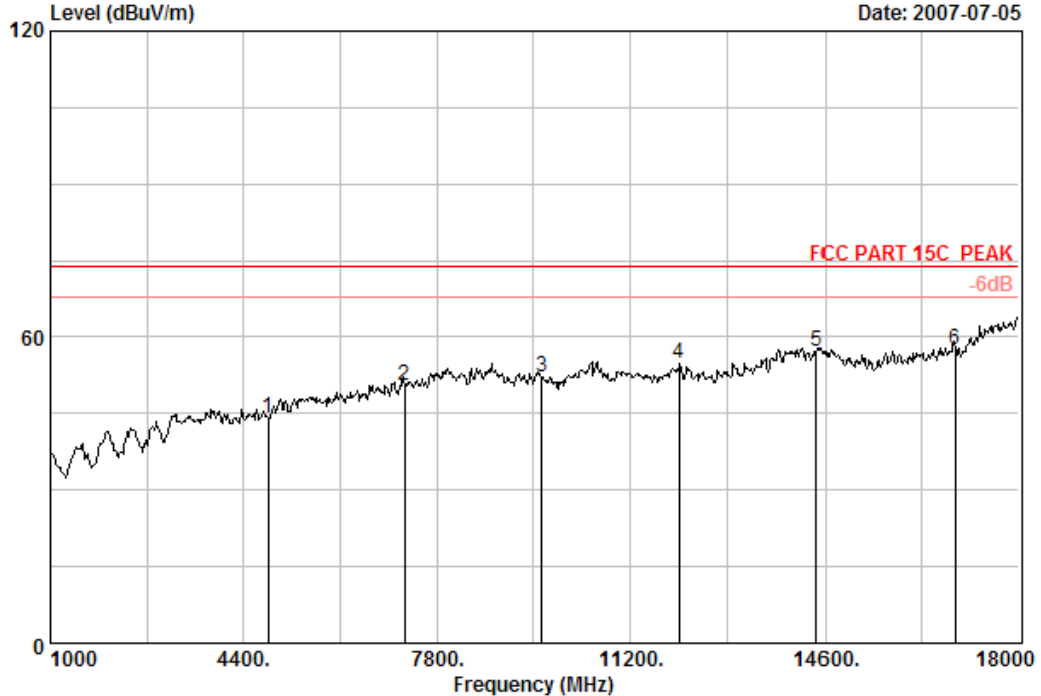
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Postcode:518057

Data: 1 File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)

Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 1
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.00	34.02	9.59	34.49	35.12	44.24	74.00	29.76	Peak
2	7236.00	37.39	10.78	34.44	36.58	50.31	74.00	23.69	Peak
3	9648.00	38.11	11.54	35.92	38.29	52.02	74.00	21.98	Peak
4	12060.00	39.54	11.81	36.38	39.71	54.68	74.00	19.32	Peak
5	14472.00	42.27	12.41	35.46	38.03	57.25	74.00	16.75	Peak
6	16884.00	39.68	13.05	34.83	39.72	57.62	74.00	16.38	Peak

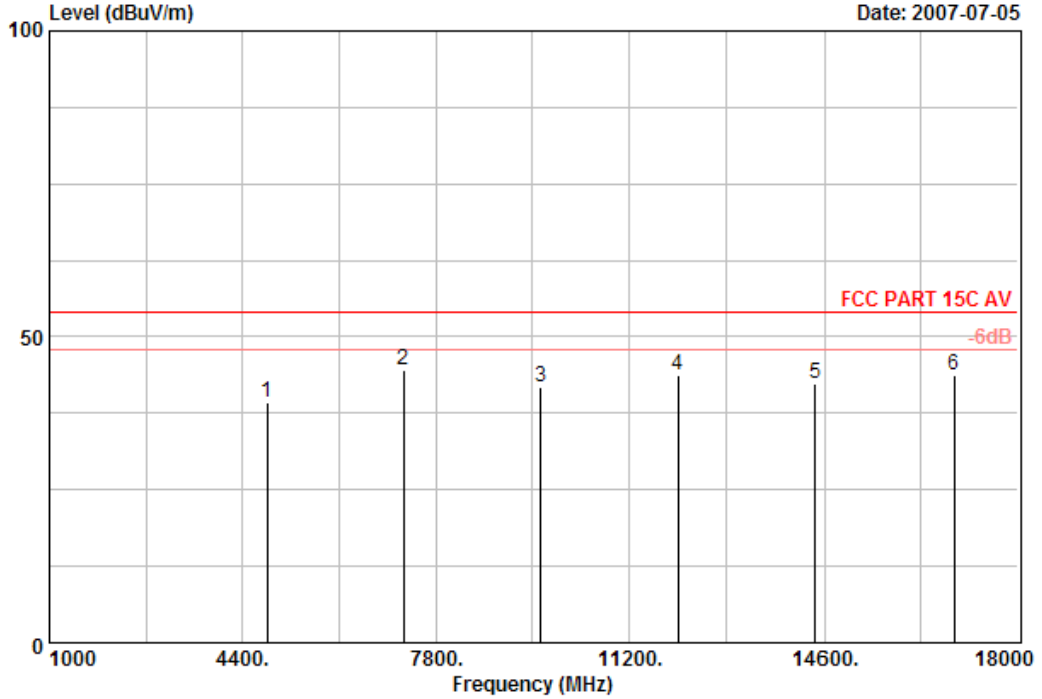
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Postcode:518057

Data: 2 File: D:\2007 Report\T\TP-Link\ACS7Q665.EMI (36)

Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 2
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.00	34.02	9.59	34.49	30.05	39.17	54.00	14.83	Average
2	7236.00	37.39	10.78	34.44	30.72	44.45	54.00	9.55	Average
3	9648.00	38.11	11.54	35.92	28.16	41.89	54.00	12.11	Average
4	12060.00	39.54	11.81	36.38	28.74	43.71	54.00	10.29	Average
5	14472.00	42.27	12.41	35.46	23.24	42.46	54.00	11.54	Average
6	16884.00	39.68	13.05	34.83	25.90	43.80	54.00	10.20	Average

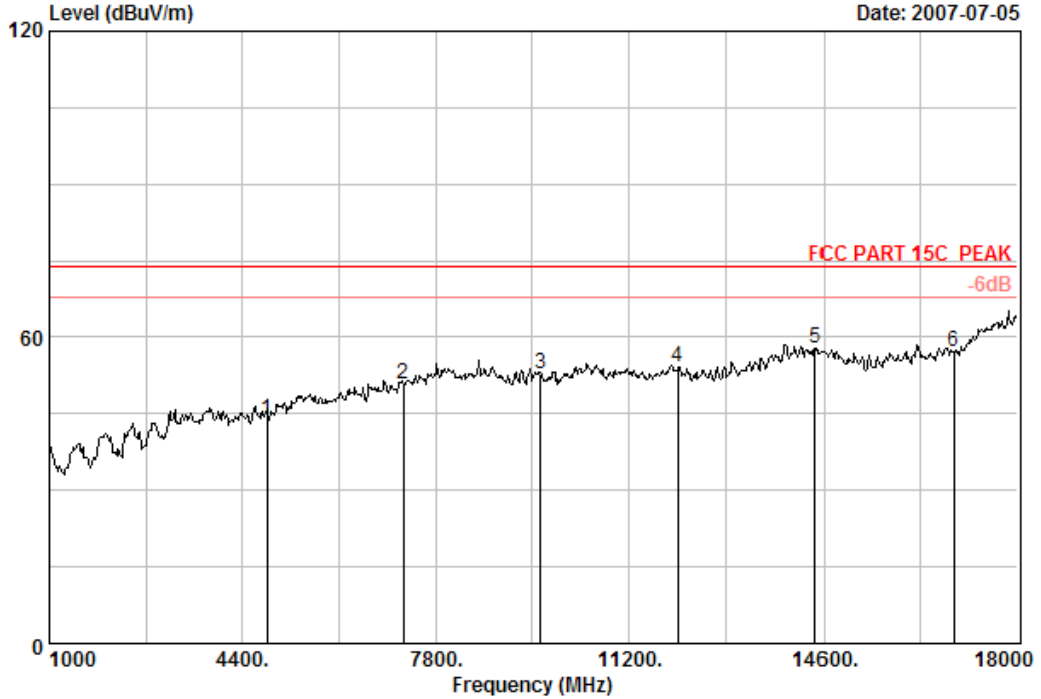
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Postcode:518057

Data: 3 File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)

Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 3
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4834.00	34.07	9.59	34.49	34.70	43.87	74.00	30.13	Peak
2	7236.00	37.39	10.78	34.44	37.11	50.84	74.00	23.16	Peak
3	9648.00	38.11	11.54	35.92	39.11	52.84	74.00	21.16	Peak
4	12060.00	39.54	11.81	36.38	39.26	54.23	74.00	19.77	Peak
5	14472.00	42.27	12.41	35.46	38.45	57.67	74.00	16.33	Peak
6	16884.00	39.68	13.05	34.83	39.20	57.10	74.00	16.90	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.

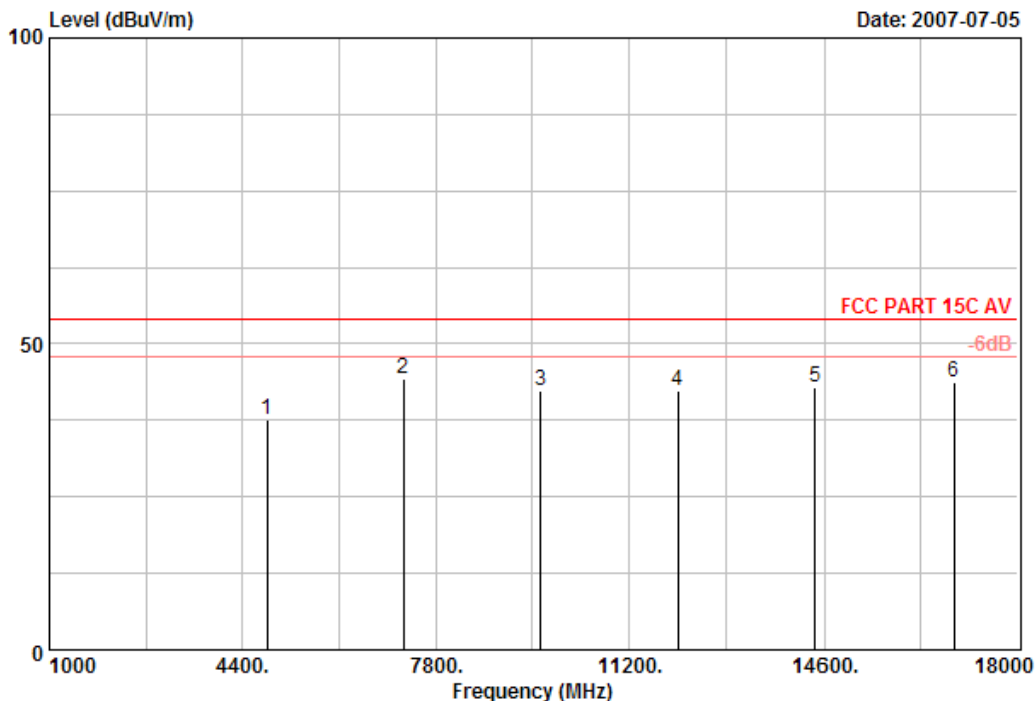


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Data: 4

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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 4
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
 Power Rating : DC 12V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4834.00	34.07	9.59	34.49	28.35	37.52	54.00	16.48	Average
2	7236.00	37.39	10.78	34.44	30.48	44.21	54.00	9.79	Average
3	9648.00	38.11	11.54	35.92	28.50	42.23	54.00	11.77	Average
4	12060.00	39.54	11.81	36.38	27.50	42.47	54.00	11.53	Average
5	14472.00	42.27	12.41	35.46	23.67	42.89	54.00	11.11	Average
6	16884.00	39.68	13.05	34.83	25.84	43.74	54.00	10.26	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.

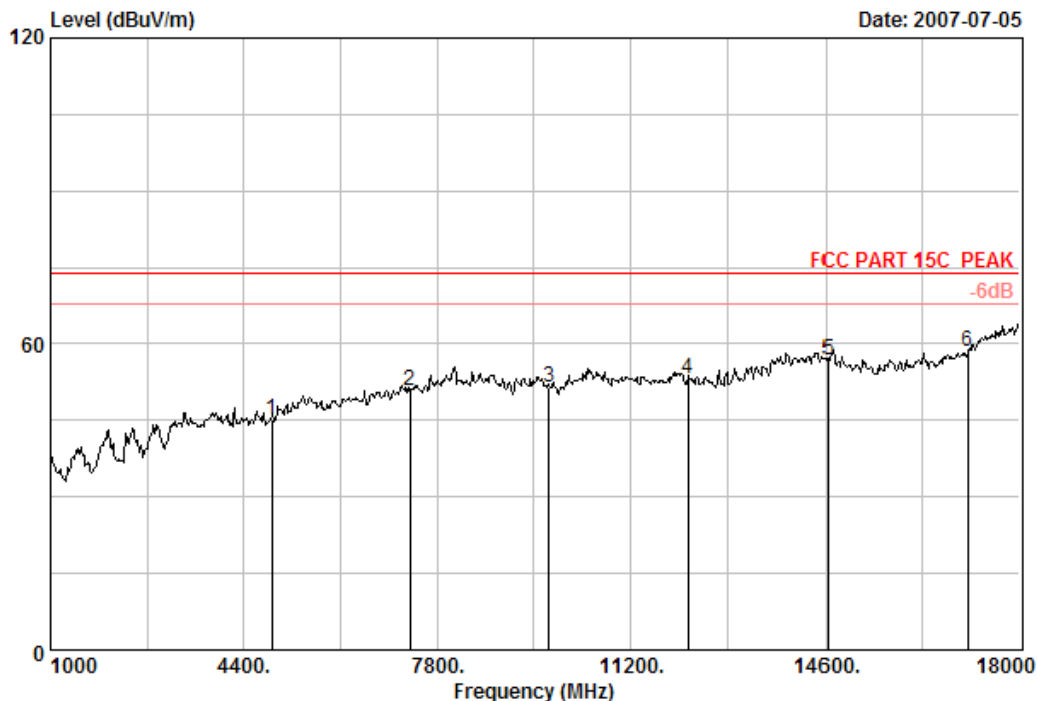


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Data: 7

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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 7
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	35.89	45.28	74.00	28.72	Peak
2	7326.00	37.52	10.83	34.47	36.98	50.86	74.00	23.14	Peak
3	9768.00	38.01	11.55	36.02	37.81	51.35	74.00	22.65	Peak
4	12210.00	39.47	11.71	36.33	38.32	53.17	74.00	20.83	Peak
5	14652.00	41.83	12.29	35.38	38.00	56.74	74.00	17.26	Peak
6	17094.00	40.55	13.14	34.87	39.56	58.38	74.00	15.62	Peak

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

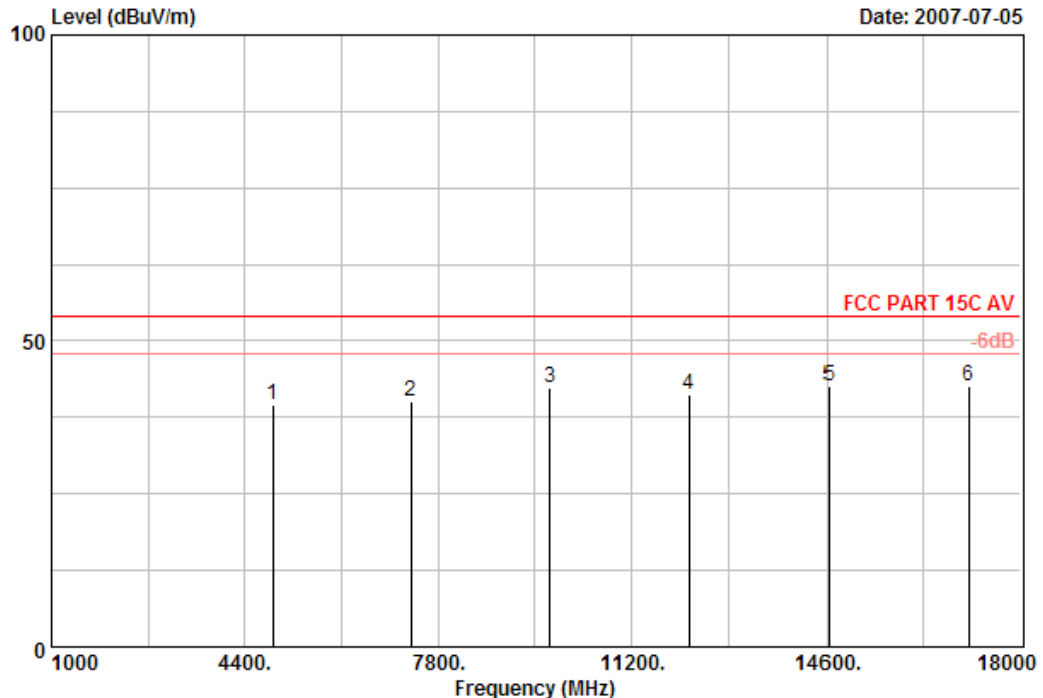


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 8
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
 Power Rating : DC 12V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	30.17	39.56	54.00	14.44	Average
2	7326.00	37.52	10.83	34.47	26.33	40.21	54.00	13.79	Average
3	9768.00	38.01	11.55	36.02	28.89	42.43	54.00	11.57	Average
4	12210.00	39.47	11.71	36.33	26.42	41.27	54.00	12.73	Average
5	14652.00	41.83	12.29	35.38	23.82	42.56	54.00	11.44	Average
6	17094.00	40.55	13.14	34.87	23.68	42.50	54.00	11.50	Average

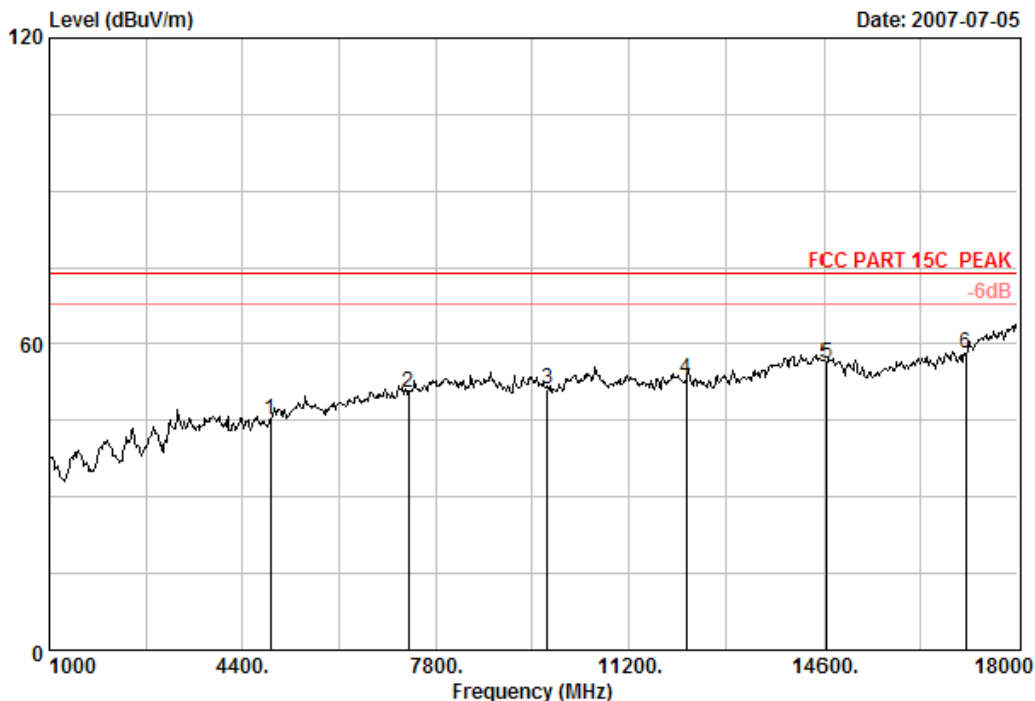
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 5
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	35.69	45.08	74.00	28.92	Peak
2	7326.00	37.52	10.83	34.47	36.68	50.56	74.00	23.44	Peak
3	9768.00	38.01	11.55	36.02	37.53	51.07	74.00	22.93	Peak
4	12210.00	39.47	11.71	36.33	38.23	53.08	74.00	20.92	Peak
5	14652.00	41.83	12.29	35.38	37.27	56.01	74.00	17.99	Peak
6	17094.00	40.55	13.14	34.87	39.45	58.27	74.00	15.73	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.

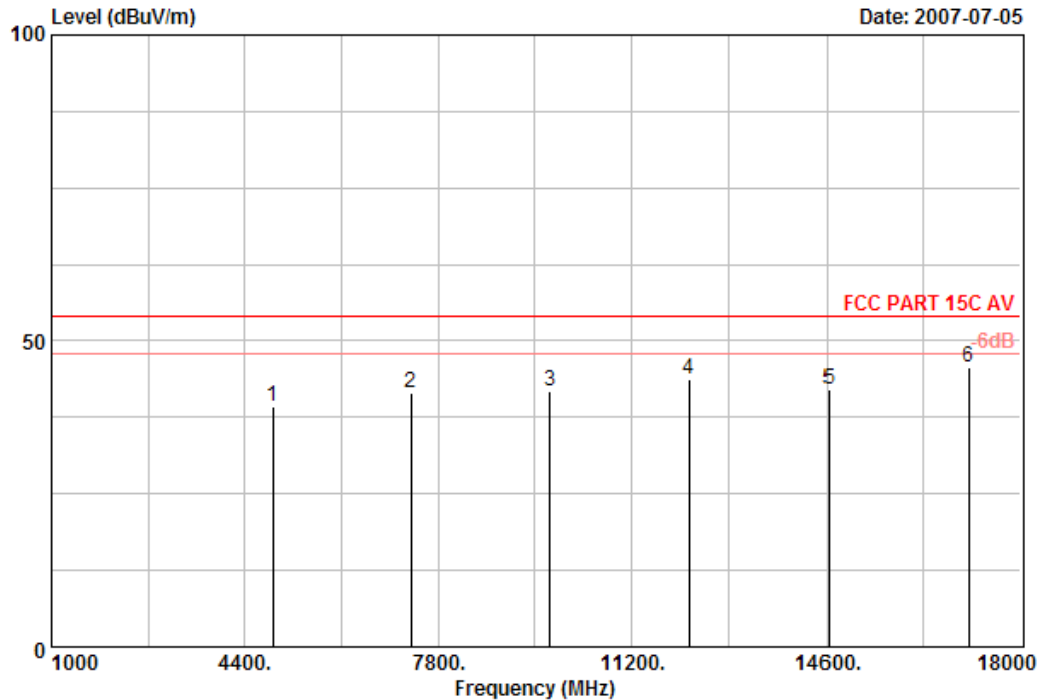


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 6
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
 Power Rating : DC 12V From adapter 120V/60Hz
 Test Mode : IEEE 802.11b TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	29.80	39.19	54.00	14.81	Average
2	7326.00	37.52	10.83	34.47	27.59	41.47	54.00	12.53	Average
3	9768.00	38.01	11.55	36.02	28.35	41.89	54.00	12.11	Average
4	12210.00	39.47	11.71	36.33	29.02	43.87	54.00	10.13	Average
5	14652.00	41.83	12.29	35.38	23.38	42.12	54.00	11.88	Average
6	17094.00	40.55	13.14	34.87	26.78	45.60	54.00	8.40	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.

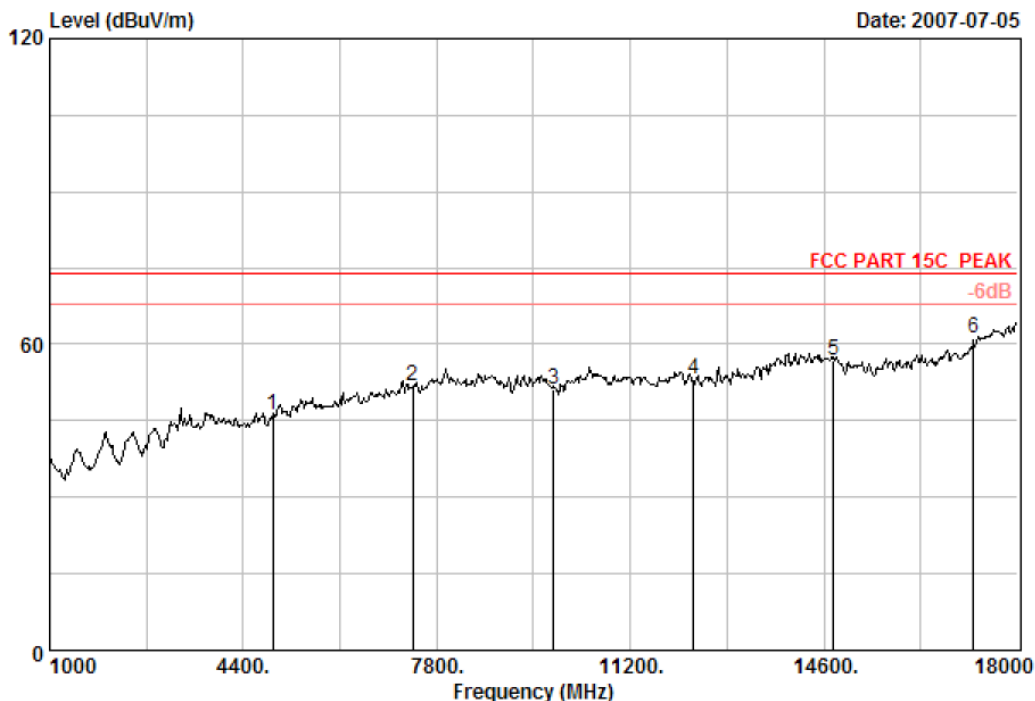


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 9
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH11 2462MHz

	Ant.	Cable	Amp		Emission				
Freq.	Factor	Loss	Factor	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	4924.00	34.29	9.79	34.47	36.48	46.09	74.00	27.91	Peak
2	7386.00	37.63	10.87	34.47	37.93	51.96	74.00	22.04	Peak
3	9848.00	37.95	11.55	36.08	37.80	51.22	74.00	22.78	Peak
4	12310.00	39.43	11.64	36.30	38.22	52.99	74.00	21.01	Peak
5	14772.00	41.46	12.21	35.31	38.57	56.93	74.00	17.07	Peak
6	17234.00	41.68	13.05	34.88	41.25	61.10	74.00	12.90	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.

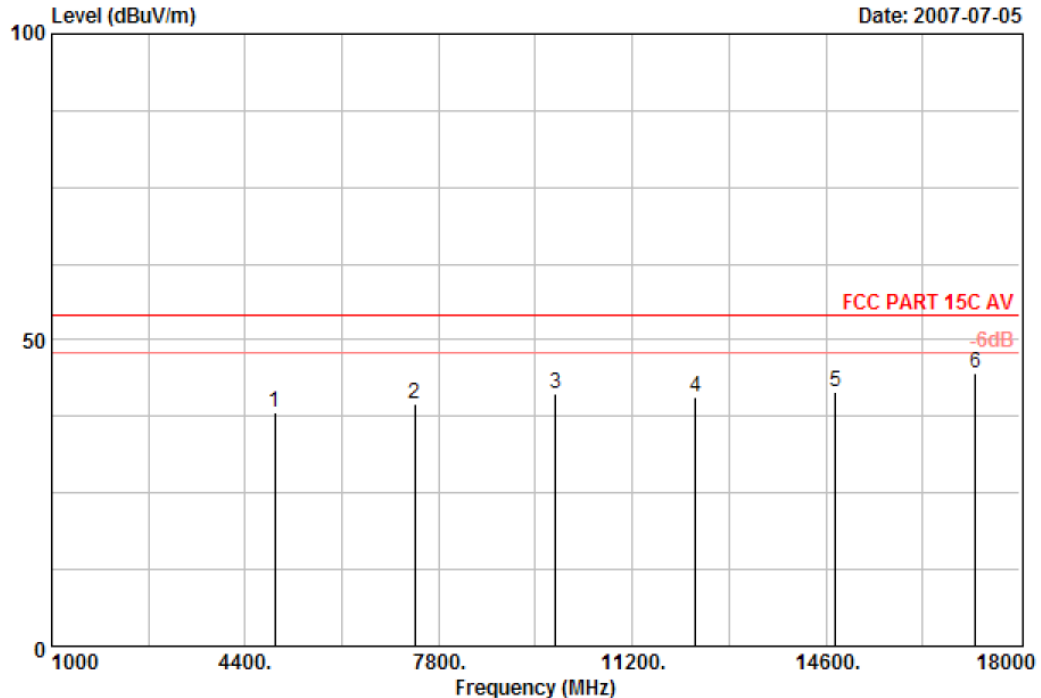


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 10
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b 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	9.79	34.47	28.51	38.12	54.00	15.88	Average
2	7386.00	37.63	10.87	34.47	25.55	39.58	54.00	14.42	Average
3	9848.00	37.95	11.55	36.08	27.81	41.23	54.00	12.77	Average
4	12310.00	39.43	11.64	36.30	25.84	40.61	54.00	13.39	Average
5	14772.00	41.46	12.21	35.31	23.03	41.39	54.00	12.61	Average
6	17234.00	41.68	13.05	34.88	24.62	44.47	54.00	9.53	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.

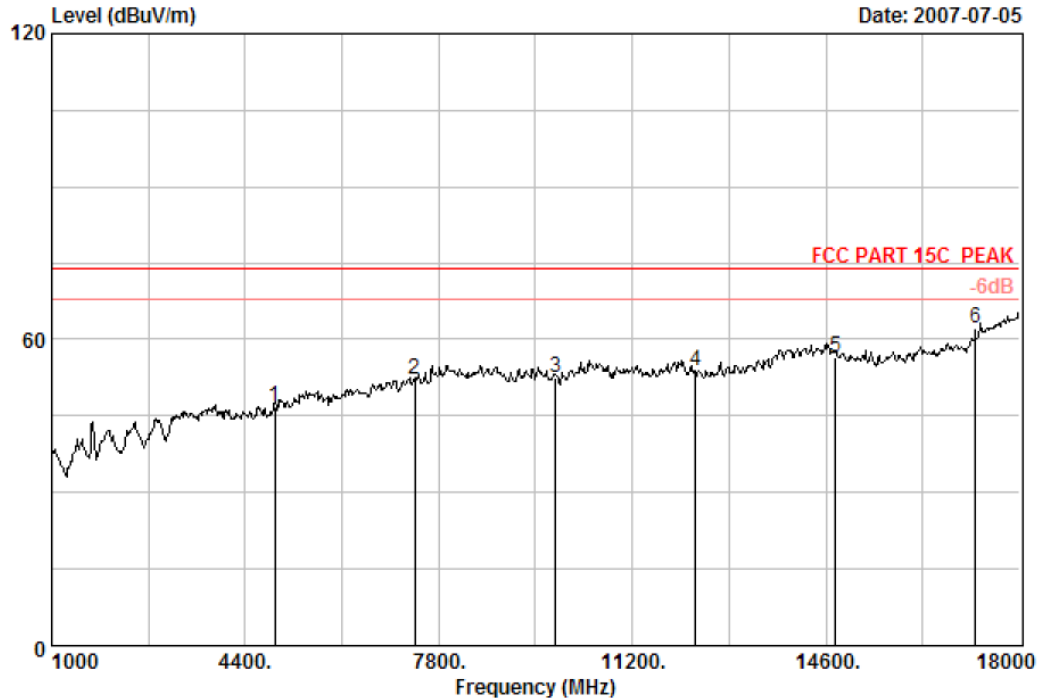


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Site no. : Audix No.1 Chamber Data no. : 11
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH11 2462MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission		Margin (dB)	Remark
						Level (dBuV/m)	Limits (dBuV/m)		
1	4924.00	34.29	9.79	34.47	37.29	46.90	74.00	27.10	Peak
2	7386.00	37.63	10.87	34.47	38.24	52.27	74.00	21.73	Peak
3	9848.00	37.95	11.55	36.08	39.13	52.55	74.00	21.45	Peak
4	12310.00	39.43	11.64	36.30	39.10	53.87	74.00	20.13	Peak
5	14772.00	41.46	12.21	35.31	38.17	56.53	74.00	17.47	Peak
6	17234.00	41.68	13.05	34.88	42.26	62.11	74.00	11.89	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.

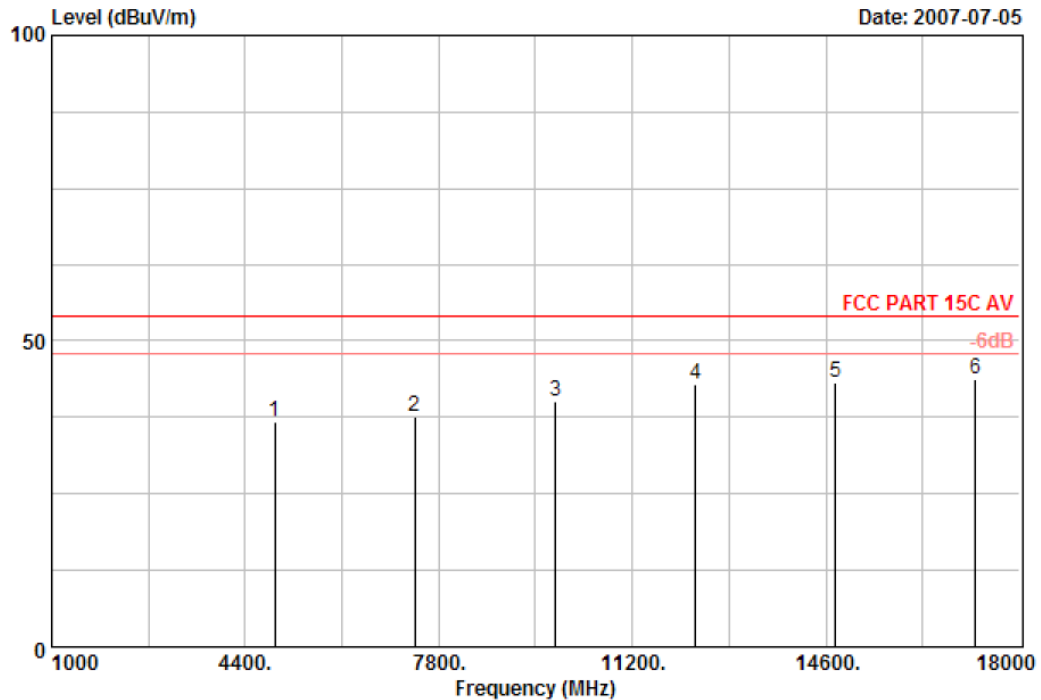


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Site no. : Audix No.1 Chamber Data no. : 12
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b 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	9.79	34.47	27.14	36.75	54.00	17.25	Average
2	7386.00	37.63	10.87	34.47	23.51	37.54	54.00	16.46	Average
3	9848.00	37.95	11.55	36.08	26.61	40.03	54.00	13.97	Average
4	12310.00	39.43	11.64	36.30	28.04	42.81	54.00	11.19	Average
5	14772.00	41.46	12.21	35.31	24.83	43.19	54.00	10.81	Average
6	17234.00	41.68	13.05	34.88	23.78	43.63	54.00	10.37	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.

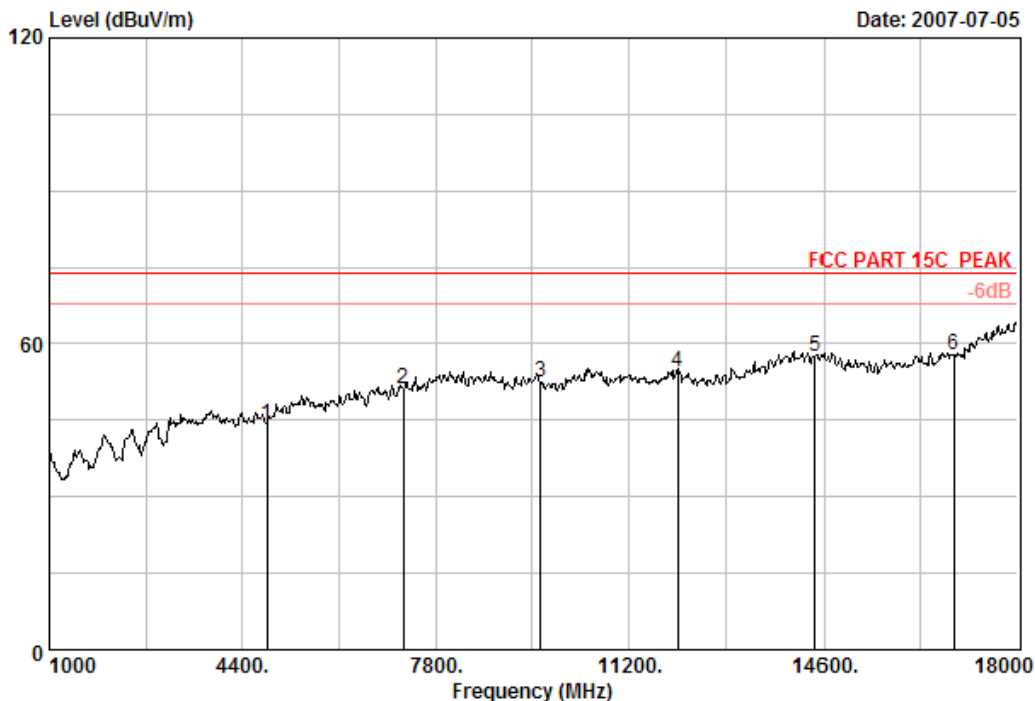


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Site no. : Audix No.1 Chamber Data no. : 15
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.00	34.02	9.59	34.49	35.04	44.16	74.00	29.84	Peak
2	7236.00	37.39	10.78	34.44	37.44	51.17	74.00	22.83	Peak
3	9648.00	38.11	11.54	35.92	38.64	52.37	74.00	21.63	Peak
4	12060.00	39.54	11.81	36.38	39.43	54.40	74.00	19.60	Peak
5	14472.00	42.27	12.41	35.46	38.44	57.66	74.00	16.34	Peak
6	16884.00	39.68	13.05	34.83	39.86	57.76	74.00	16.24	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.

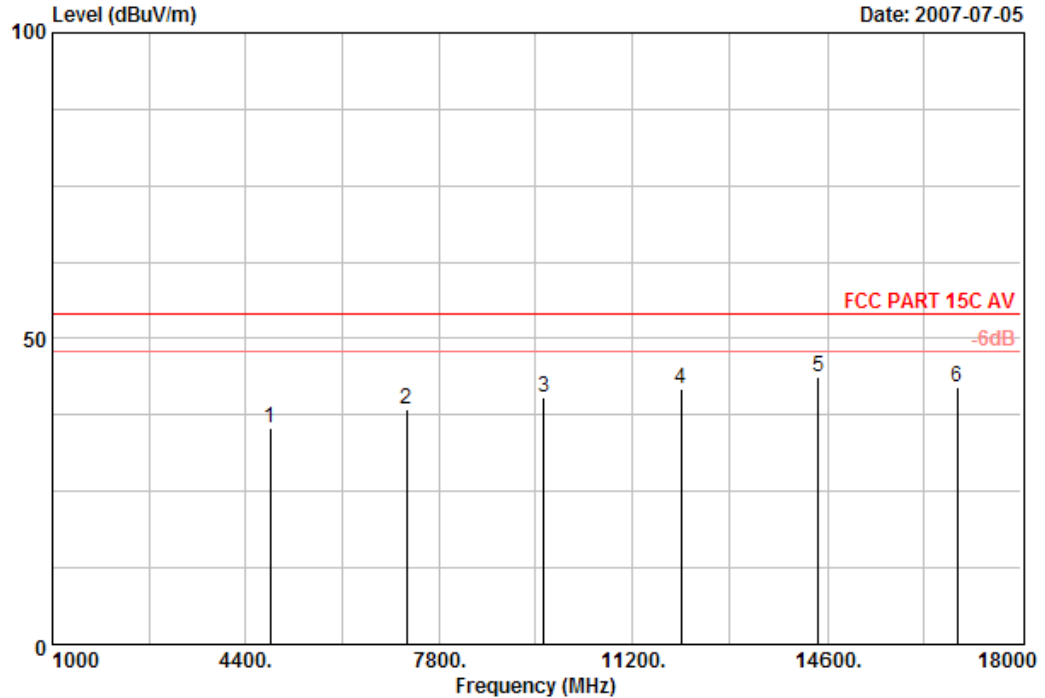


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 16
 Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23°C/54% Engineer : Jamy
 EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
 Power Rating : DC 12V From adapter 120V/60Hz
 Test Mode : IEEE 802.11g TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.00	34.02	9.59	34.49	26.30	35.42	54.00	18.58	Average
2	7236.00	37.39	10.78	34.44	24.80	38.53	54.00	15.47	Average
3	9648.00	38.11	11.54	35.92	26.72	40.45	54.00	13.55	Average
4	12060.00	39.54	11.81	36.38	26.69	41.66	54.00	12.34	Average
5	14472.00	42.27	12.41	35.46	24.64	43.86	54.00	10.14	Average
6	16884.00	39.68	13.05	34.83	24.27	42.17	54.00	11.83	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.

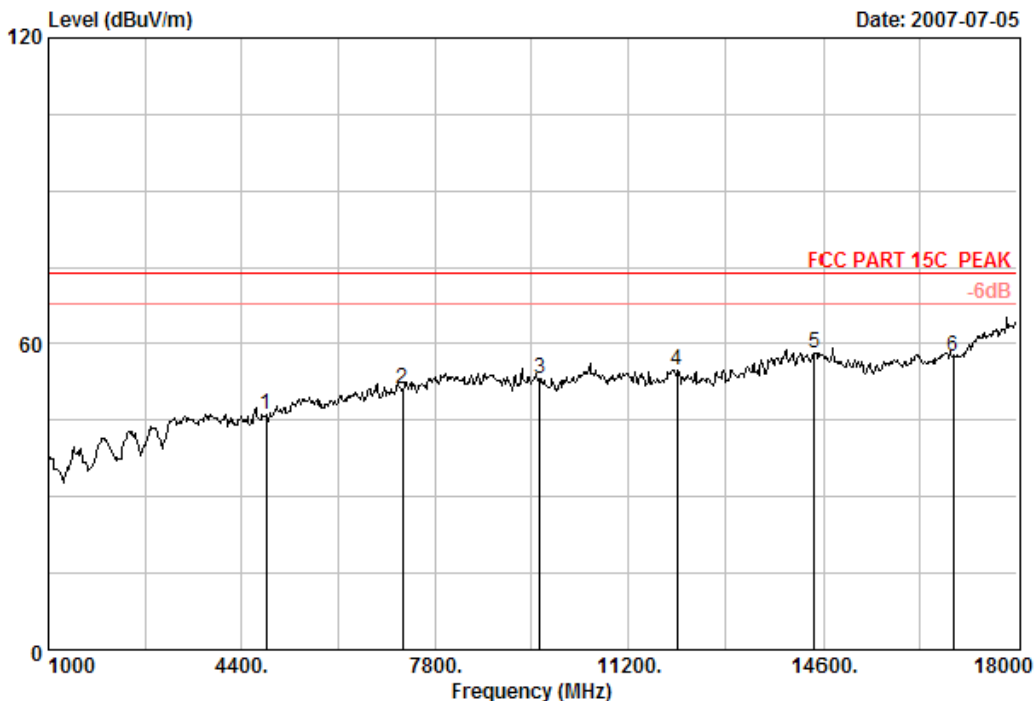


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Site no. : Audix No.1 Chamber Data no. : 13
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.00	34.02	9.59	34.49	36.98	46.10	74.00	27.90	Peak
2	7236.00	37.39	10.78	34.44	37.27	51.00	74.00	23.00	Peak
3	9648.00	38.11	11.54	35.92	39.28	53.01	74.00	20.99	Peak
4	12060.00	39.54	11.81	36.38	39.88	54.85	74.00	19.15	Peak
5	14472.00	42.27	12.41	35.46	38.78	58.00	74.00	16.00	Peak
6	16884.00	39.68	13.05	34.83	39.67	57.57	74.00	16.43	Peak

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

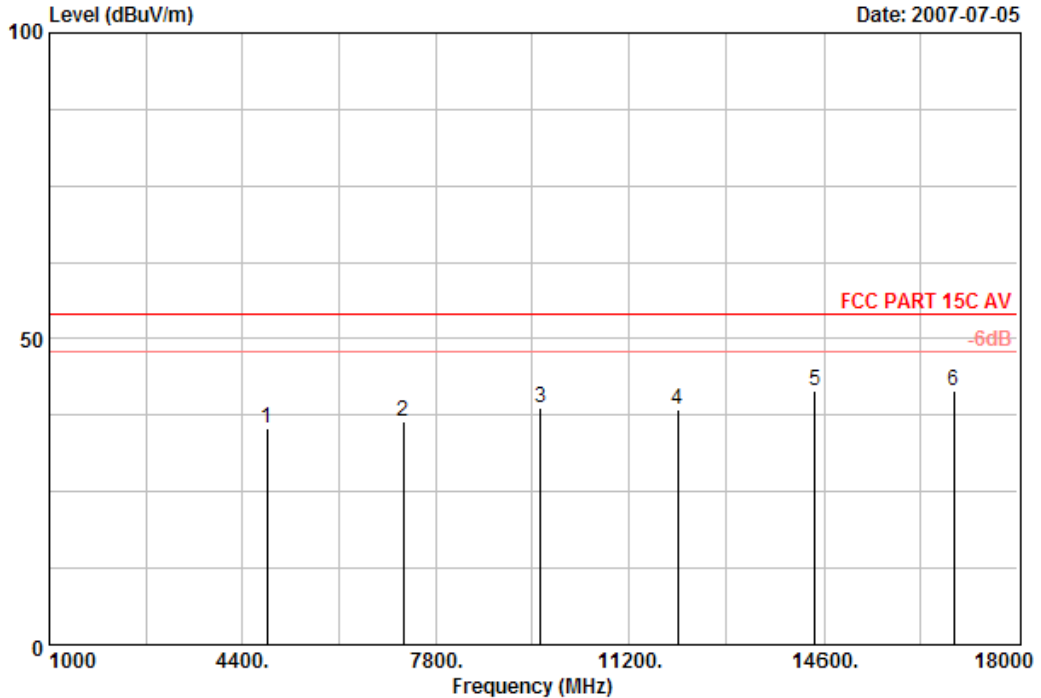


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Data: 14

File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)

Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 14
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH1 2412MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.00	34.02	9.59	34.49	26.15	35.27	54.00	18.73	Average
2	7236.00	37.39	10.78	34.44	22.67	36.40	54.00	17.60	Average
3	9648.00	38.11	11.54	35.92	24.85	38.58	54.00	15.42	Average
4	12060.00	39.54	11.81	36.38	23.50	38.47	54.00	15.53	Average
5	14472.00	42.27	12.41	35.46	22.16	41.38	54.00	12.62	Average
6	16884.00	39.68	13.05	34.83	23.74	41.64	54.00	12.36	Average

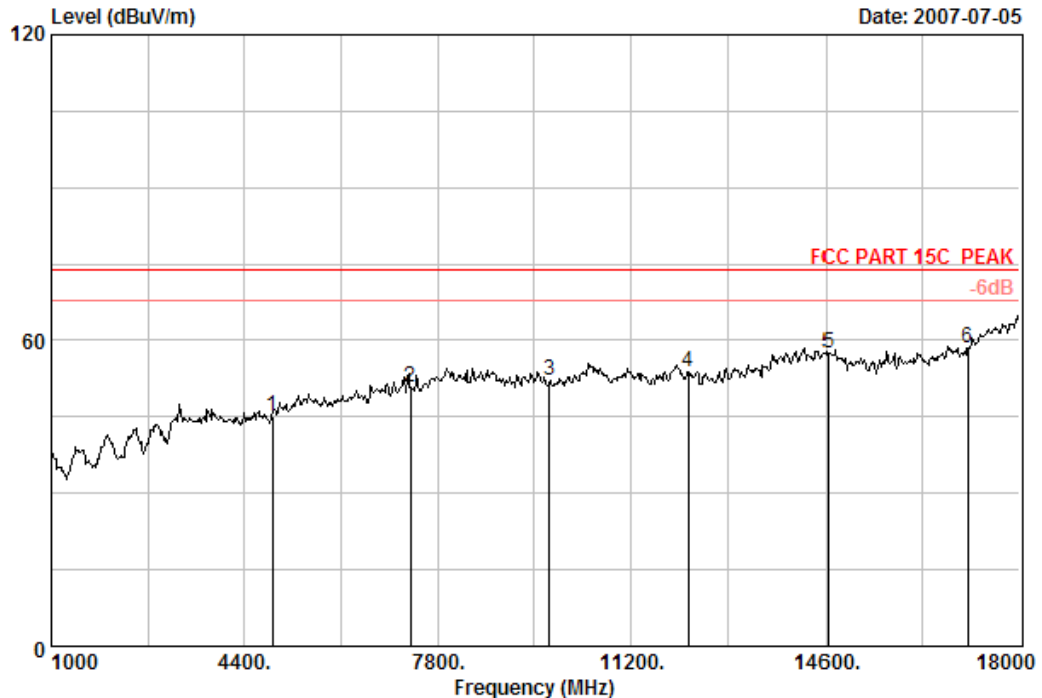
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 17
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	35.66	45.05	74.00	28.95	Peak
2	7326.00	37.52	10.83	34.47	36.84	50.72	74.00	23.28	Peak
3	9768.00	38.01	11.55	36.02	38.77	52.31	74.00	21.69	Peak
4	12210.00	39.47	11.71	36.33	38.83	53.68	74.00	20.32	Peak
5	14652.00	41.83	12.29	35.38	38.75	57.49	74.00	16.51	Peak
6	17094.00	40.55	13.14	34.87	39.78	58.60	74.00	15.40	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.

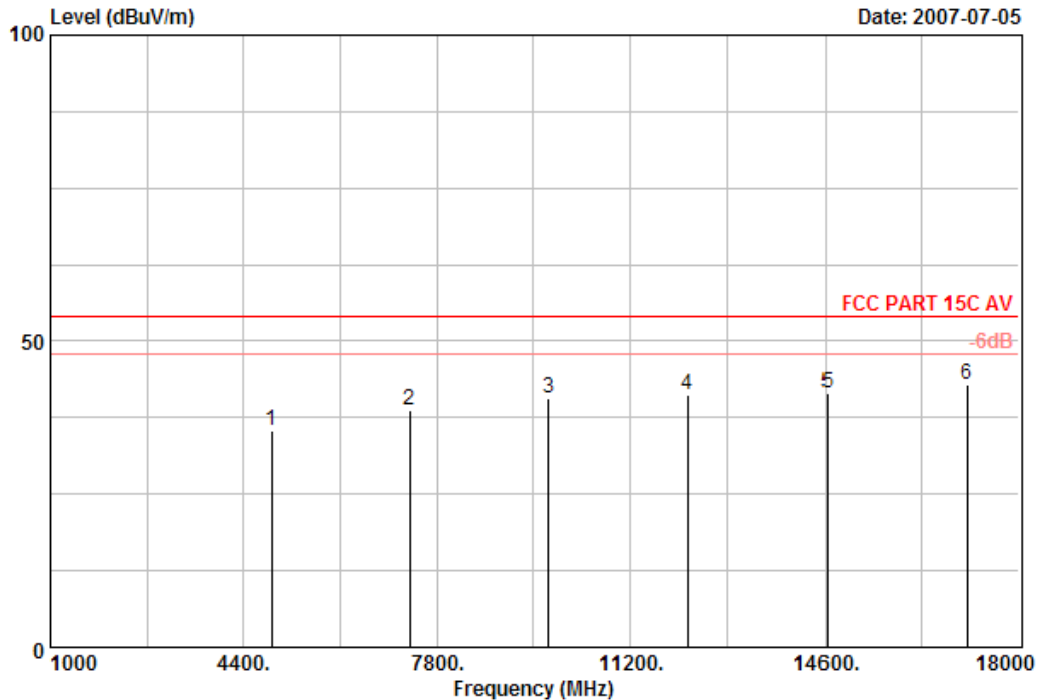


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 18
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	25.90	35.29	54.00	18.71	Average
2	7326.00	37.52	10.83	34.47	24.79	38.67	54.00	15.33	Average
3	9768.00	38.01	11.55	36.02	27.14	40.68	54.00	13.32	Average
4	12210.00	39.47	11.71	36.33	26.46	41.31	54.00	12.69	Average
5	14652.00	41.83	12.29	35.38	22.89	41.63	54.00	12.37	Average
6	17094.00	40.55	13.14	34.87	24.09	42.91	54.00	11.09	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.

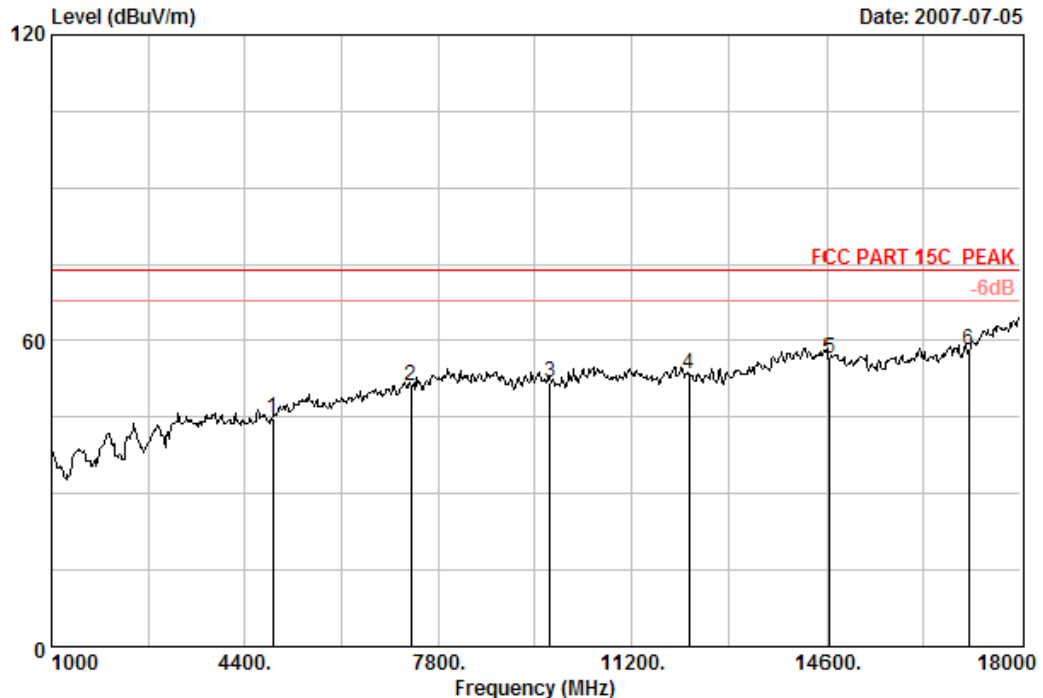


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 19
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	35.41	44.80	74.00	29.20	Peak
2	7326.00	37.52	10.83	34.47	37.23	51.11	74.00	22.89	Peak
3	9768.00	38.01	11.55	36.02	38.42	51.96	74.00	22.04	Peak
4	12210.00	39.47	11.71	36.33	38.78	53.63	74.00	20.37	Peak
5	14652.00	41.83	12.29	35.38	37.85	56.59	74.00	17.41	Peak
6	17094.00	40.55	13.14	34.87	39.27	58.09	74.00	15.91	Peak

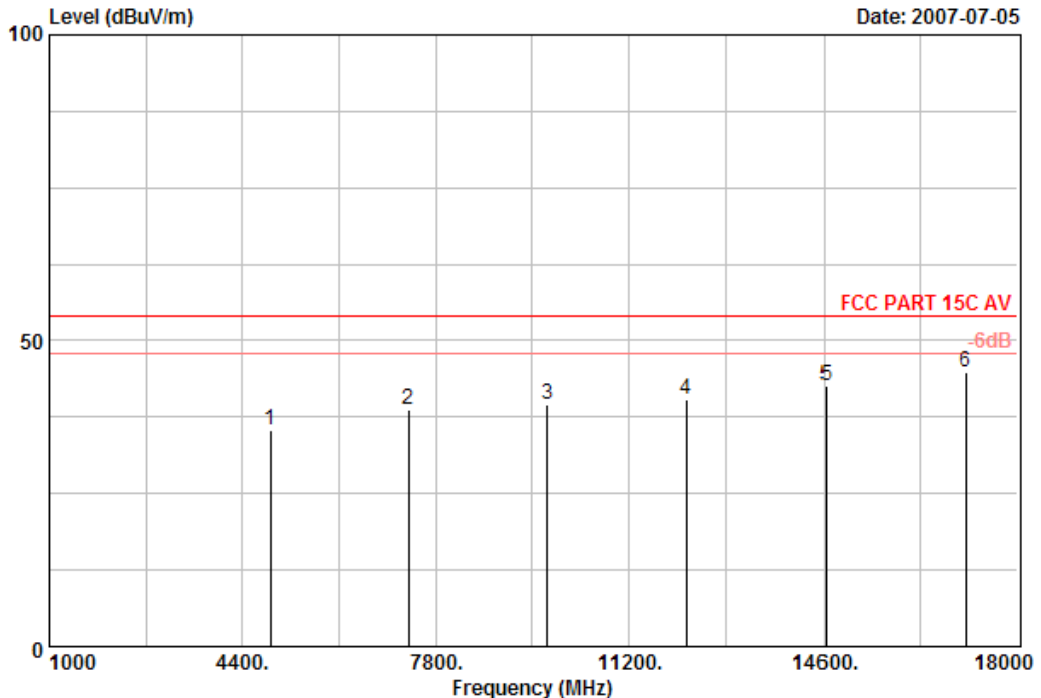
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 20
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH7 2442MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4884.00	34.16	9.71	34.48	25.89	35.28	54.00	18.72	Average
2	7326.00	37.52	10.83	34.47	24.80	38.68	54.00	15.32	Average
3	9768.00	38.01	11.55	36.02	26.14	39.68	54.00	14.32	Average
4	12210.00	39.47	11.71	36.33	25.47	40.32	54.00	13.68	Average
5	14652.00	41.83	12.29	35.38	23.88	42.62	54.00	11.38	Average
6	17094.00	40.55	13.14	34.87	26.10	44.92	54.00	9.08	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.

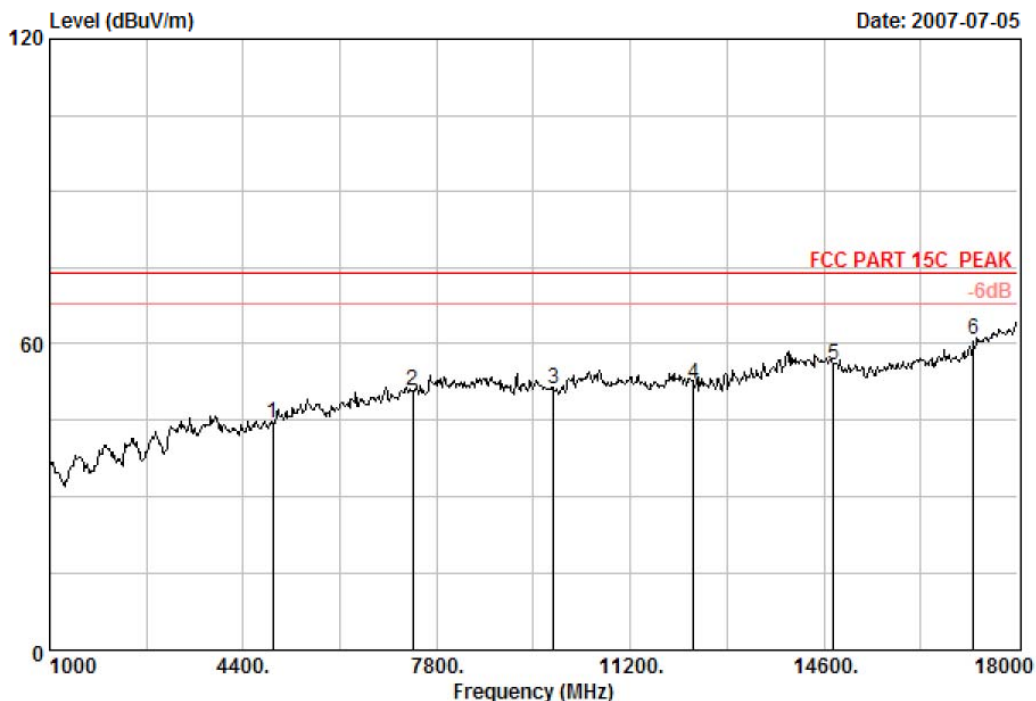


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 23
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH11 2462MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission				
					Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.00	34.29	9.79	34.47	35.01	44.62	74.00	29.38	Peak
2	7386.00	37.63	10.87	34.47	36.74	50.77	74.00	23.23	Peak
3	9848.00	37.95	11.55	36.08	37.66	51.08	74.00	22.92	Peak
4	12310.00	39.43	11.64	36.30	37.44	52.21	74.00	21.79	Peak
5	14772.00	41.46	12.21	35.31	37.30	55.66	74.00	18.34	Peak
6	17234.00	41.68	13.05	34.88	40.98	60.83	74.00	13.17	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.

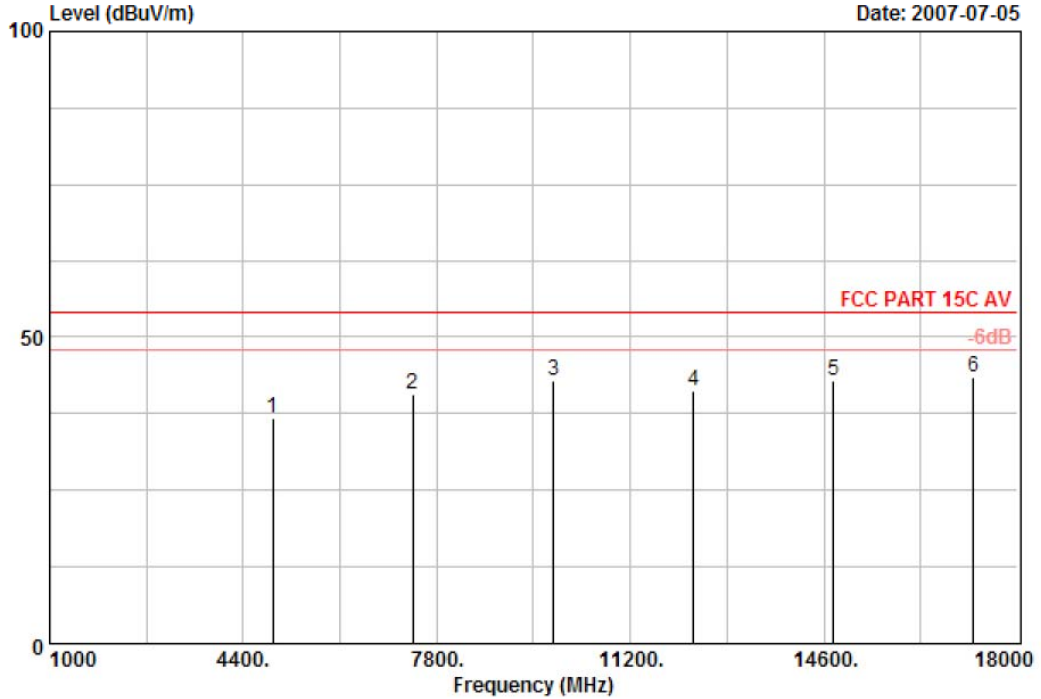


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Date: 2007-07-05



Site no. : Audix No.1 Chamber Data no. : 24
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g 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	9.79	34.47	27.05	36.66	54.00	17.34	Average
2	7386.00	37.63	10.87	34.47	26.53	40.56	54.00	13.44	Average
3	9848.00	37.95	11.55	36.08	29.36	42.78	54.00	11.22	Average
4	12310.00	39.43	11.64	36.30	26.39	41.16	54.00	12.84	Average
5	14772.00	41.46	12.21	35.31	24.65	43.01	54.00	10.99	Average
6	17234.00	41.68	13.05	34.88	23.71	43.56	54.00	10.44	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.

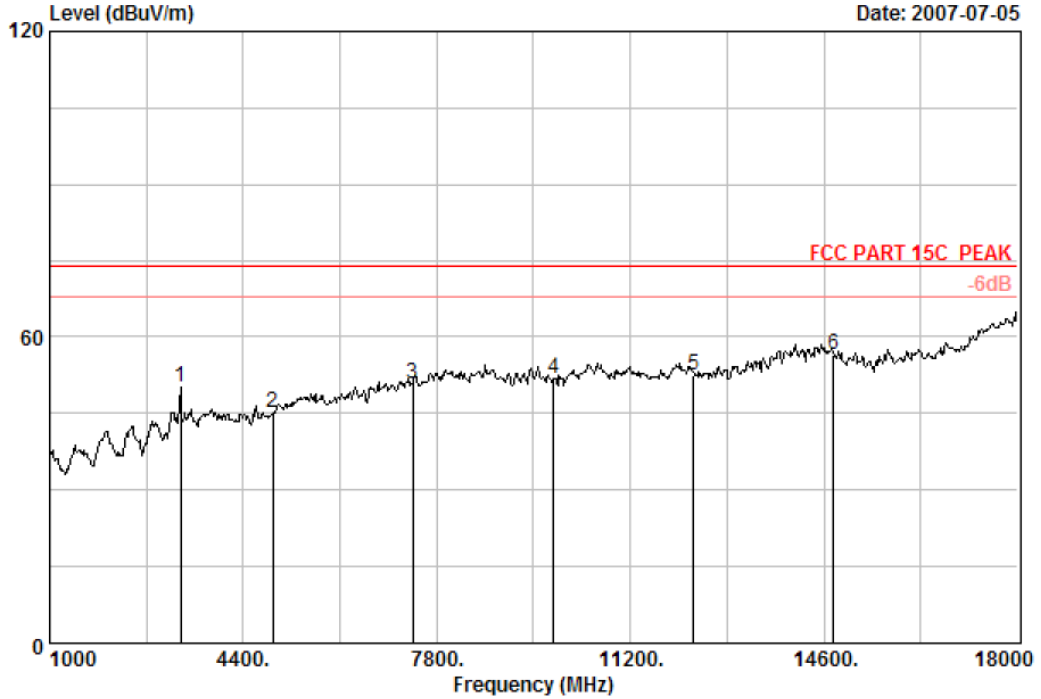


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Data: 21

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Site no. : Audix No.1 Chamber Data no. : 21
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g 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	3295.00	31.80	7.75	34.91	45.54	50.18	74.00	23.82	Peak
2	4924.00	34.29	9.79	34.47	35.65	45.26	74.00	28.74	Peak
3	7386.00	37.63	10.87	34.47	36.66	50.69	74.00	23.31	Peak
4	9848.00	37.95	11.55	36.08	38.30	51.72	74.00	22.28	Peak
5	12310.00	39.43	11.64	36.30	37.59	52.36	74.00	21.64	Peak
6	14772.00	41.46	12.21	35.31	38.20	56.56	74.00	17.44	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.

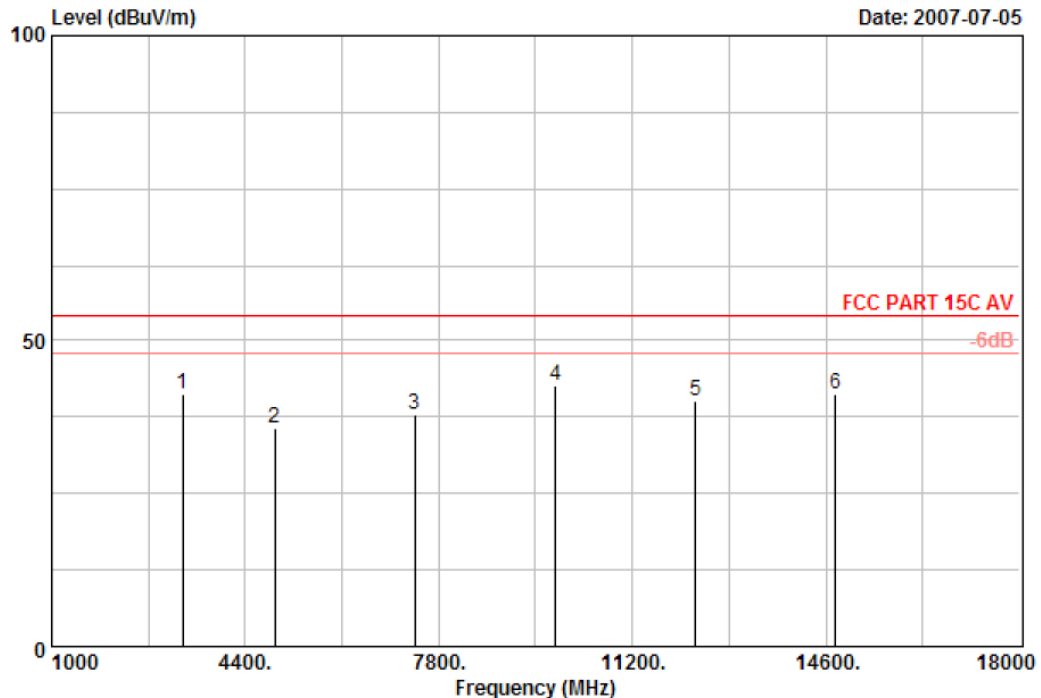


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Site no. : Audix No.1 Chamber Data no. : 22
Dis. / Ant. : 3m 3115 FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH11 2462MHz

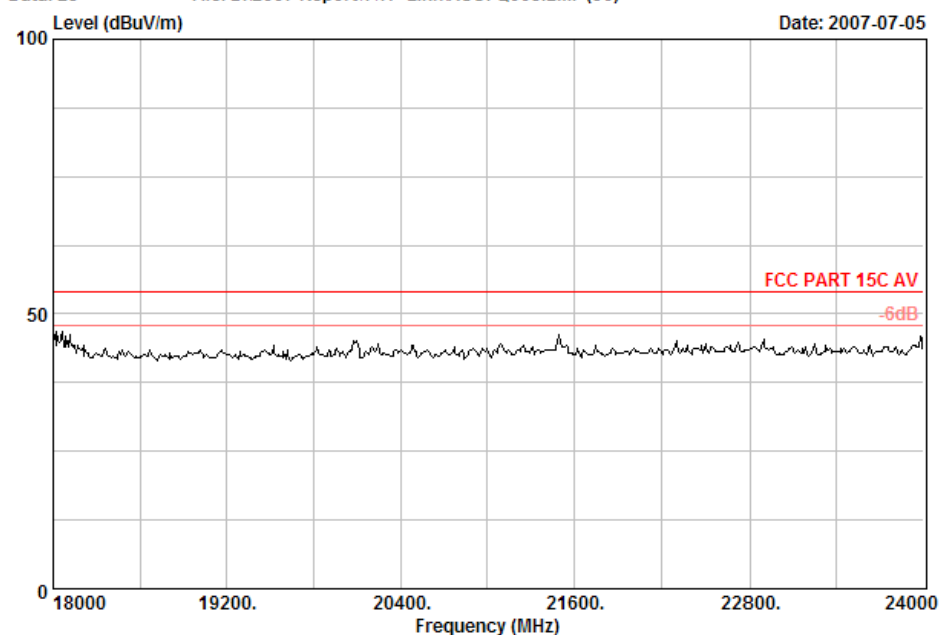
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission		Limits (dBuV/m)	Margin (dB)	Remark
					Reading (dBuV)	Level (dBuV/m)			
1	3295.00	31.80	7.75	34.91	36.52	41.16	54.00	12.84	Average
2	4924.00	34.29	9.79	34.47	26.05	35.66	54.00	18.34	Average
3	7386.00	37.63	10.87	34.47	23.93	37.96	54.00	16.04	Average
4	9848.00	37.95	11.55	36.08	29.16	42.58	54.00	11.42	Average
5	12310.00	39.43	11.64	36.30	25.40	40.17	54.00	13.83	Average
6	14772.00	41.46	12.21	35.31	22.75	41.11	54.00	12.89	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.



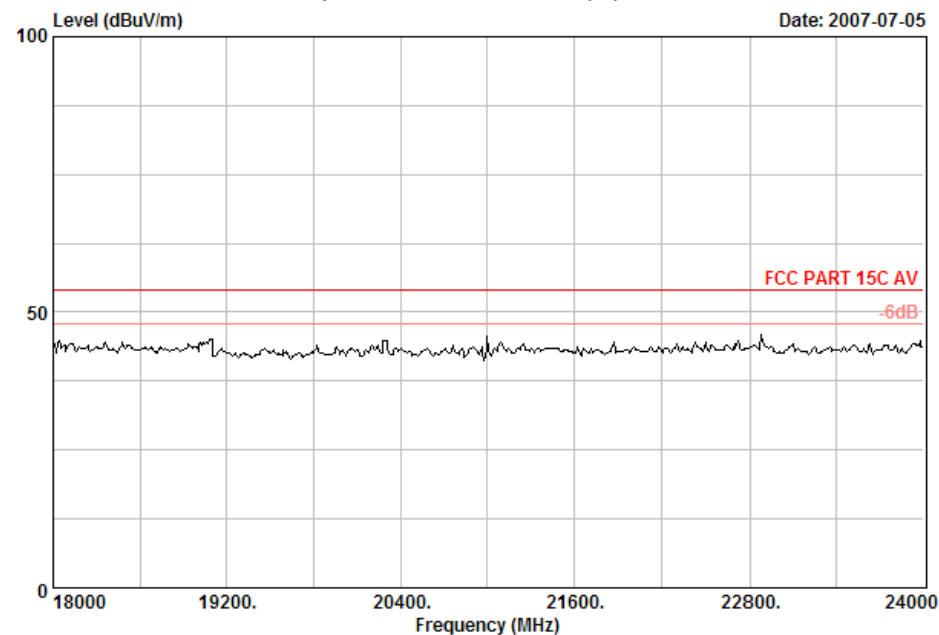
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Site no. : 1# Chamber Data no. : 25
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH1 2412MHz

Data: 26 File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)

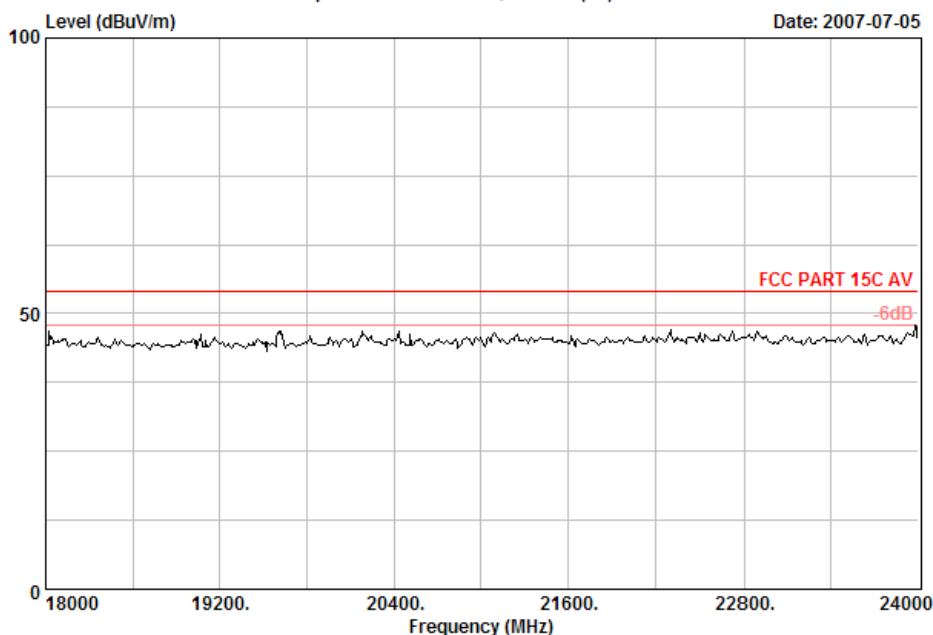


Site no. : 1# Chamber Data no. : 26
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH1 2412MHz



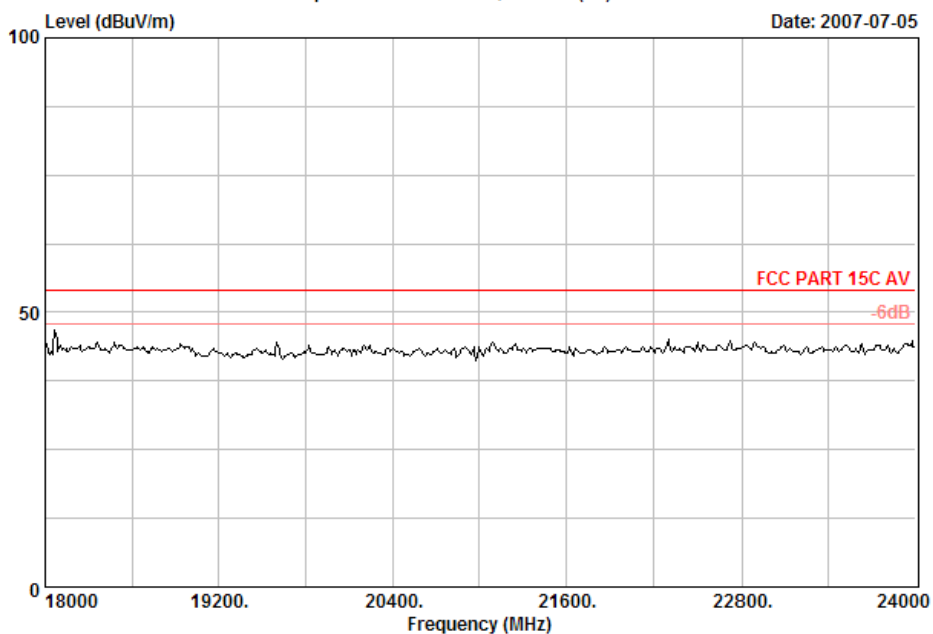
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Site no. : 1# Chamber Data no. : 27
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH7 2442MHz

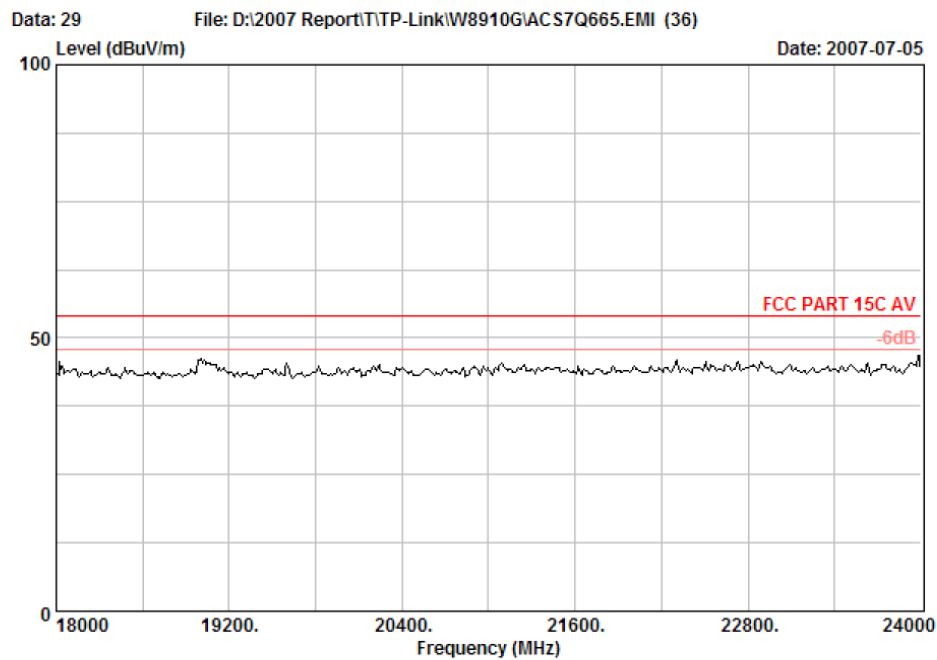
Data: 28 File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)



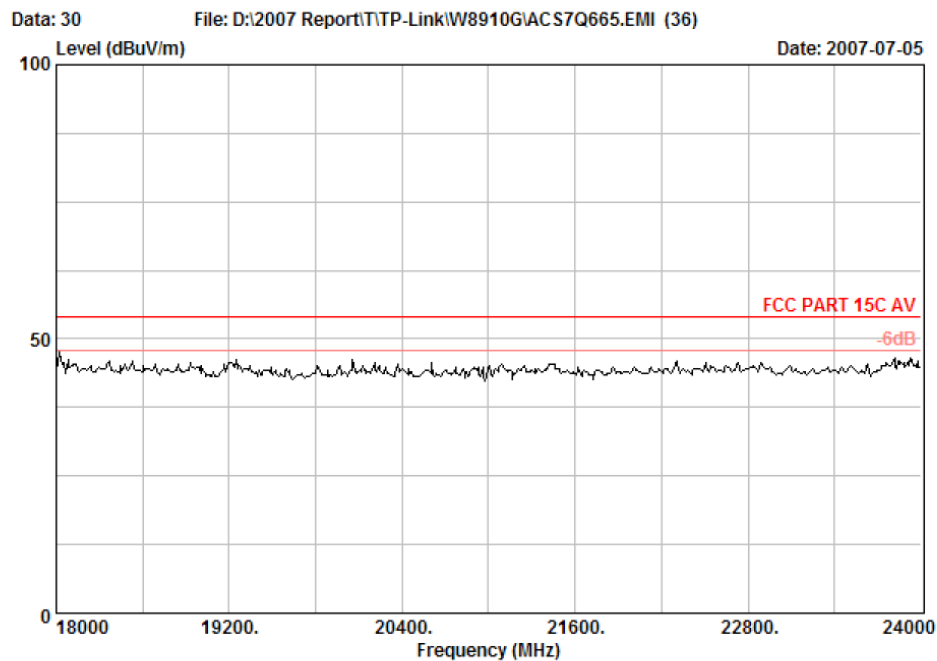
Site no. : 1# Chamber Data no. : 28
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH7 2442MHz



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Site no. : 1# Chamber Data no. : 29
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH11 2462MHz

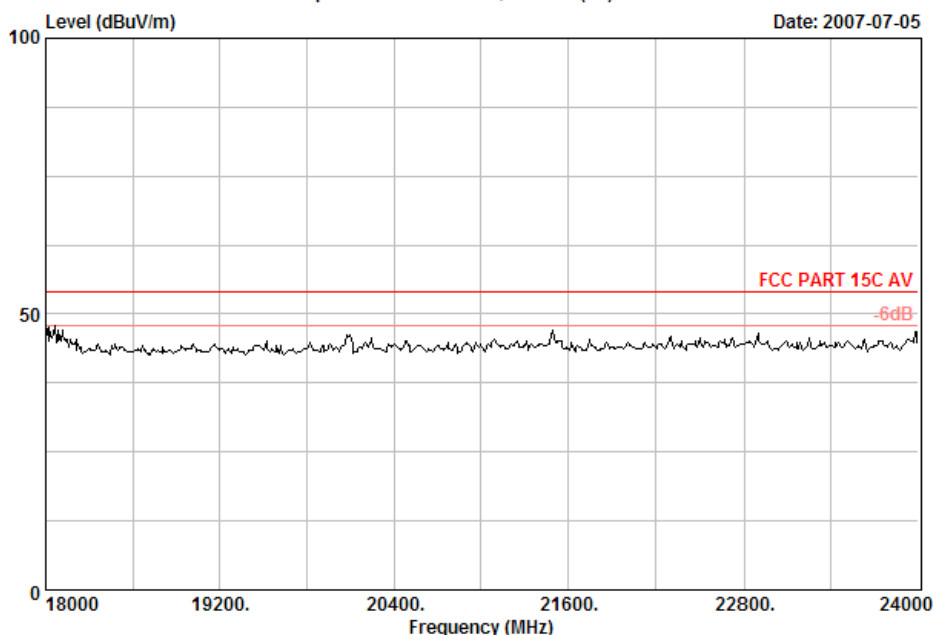


Site no. : 1# Chamber Data no. : 30
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11b TX in CH11 2462MHz



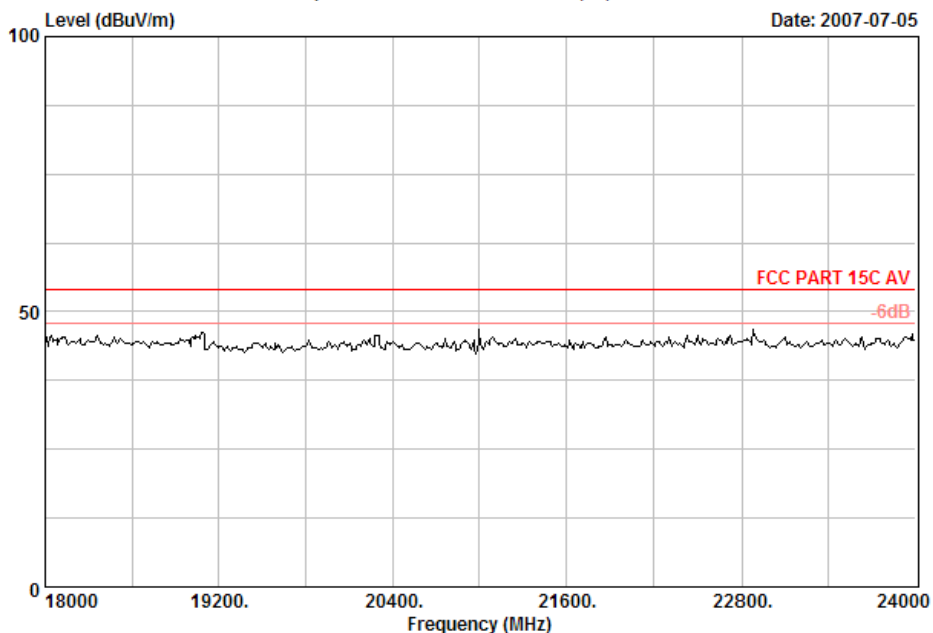
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Postcode:518057

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Site no. : 1# Chamber Data no. : 31
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH1 2412MHz

Data: 32 File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)

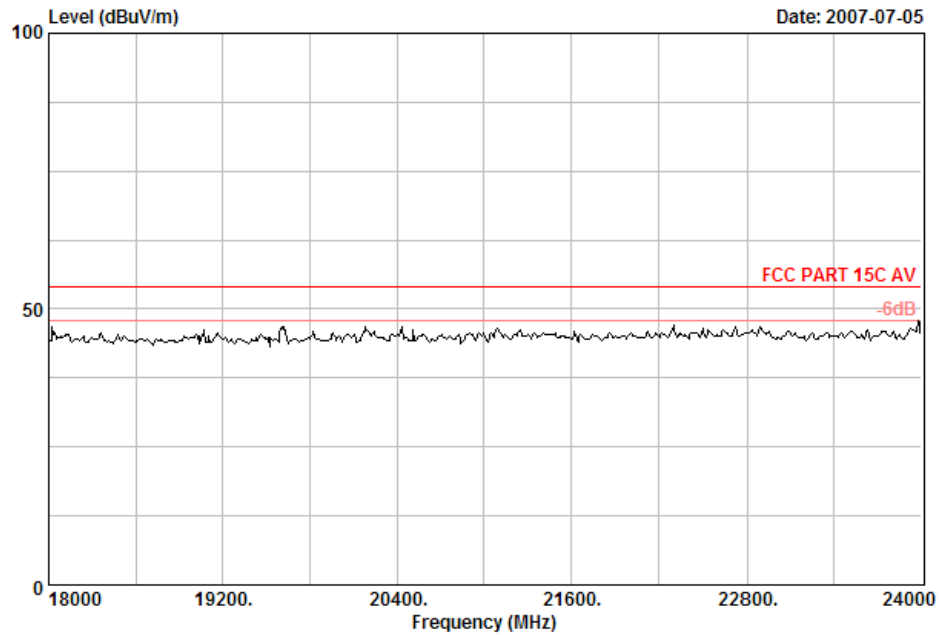


Site no. : 1# Chamber Data no. : 32
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH1 2412MHz



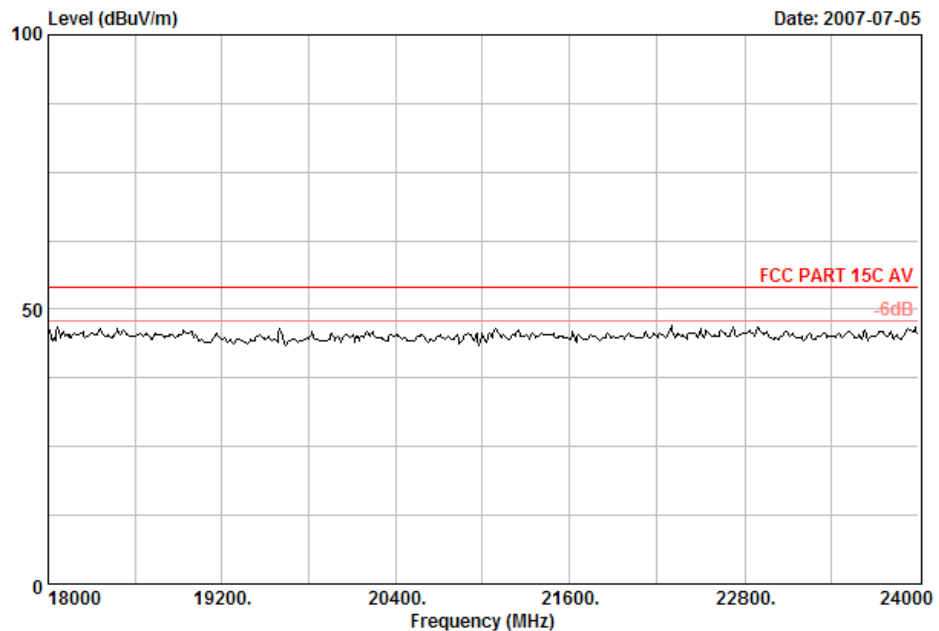
No.6 Ke Feng Road,B1;ck 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057

Data: 33 File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)



Site no. : 1# Chamber Data no. : 33
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH7 2442MHz

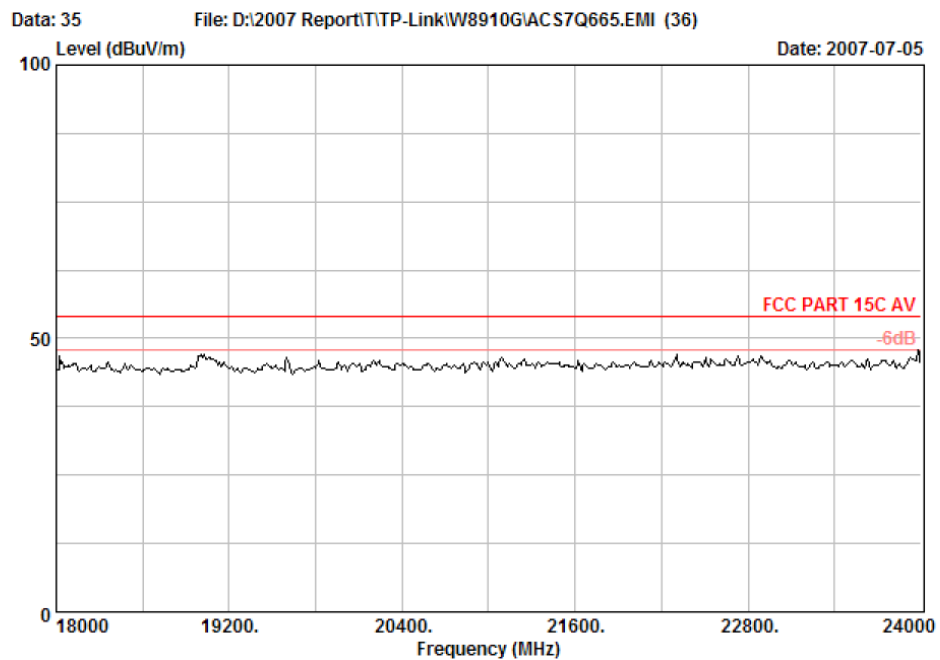
Data: 34 File: D:\2007 Report\TTP-Link\ACS7Q665.EMI (36)



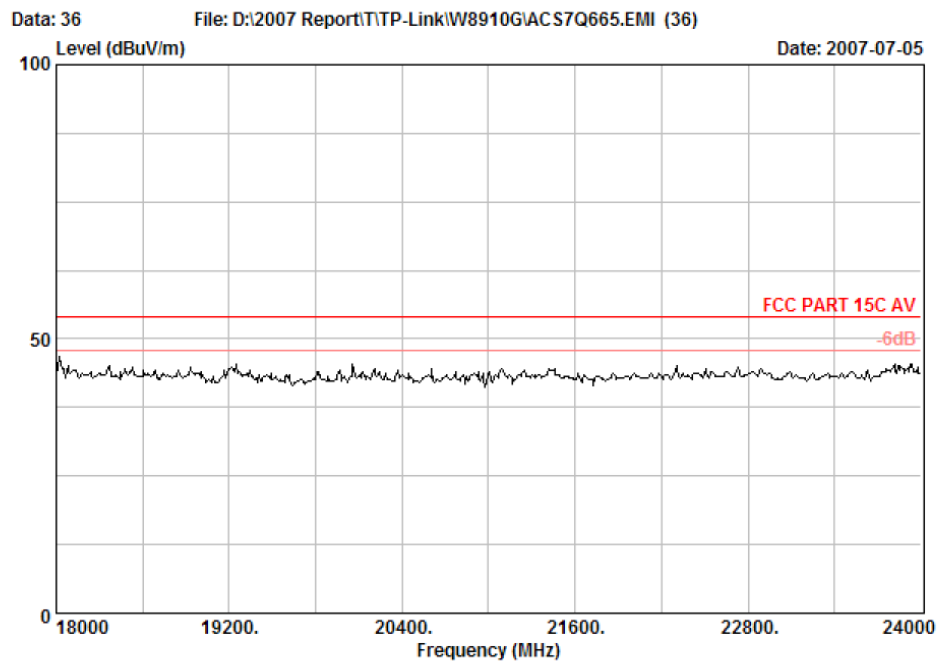
Site no. : 1# Chamber Data no. : 34
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH7 2442MHz



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Tel:+86-755-26639495-7
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Postcode:518057

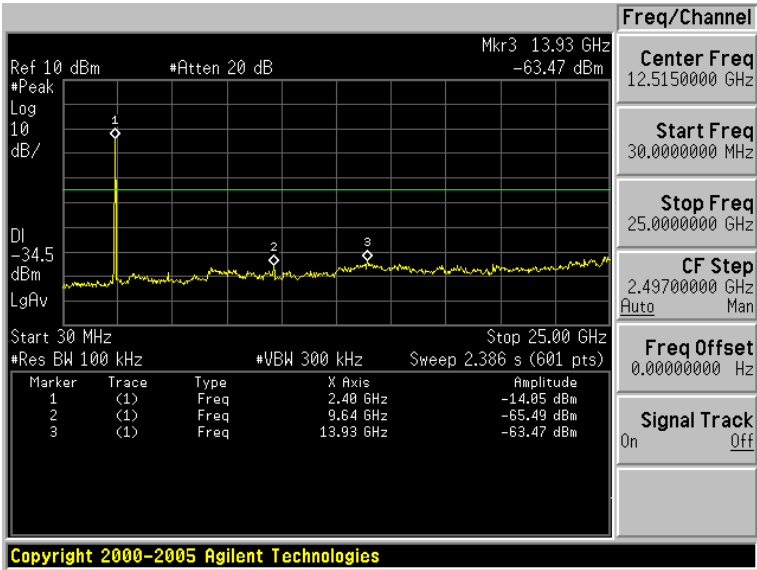


Site no. : 1# Chamber Data no. : 35
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : HORIZONTAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH11 2462MHz

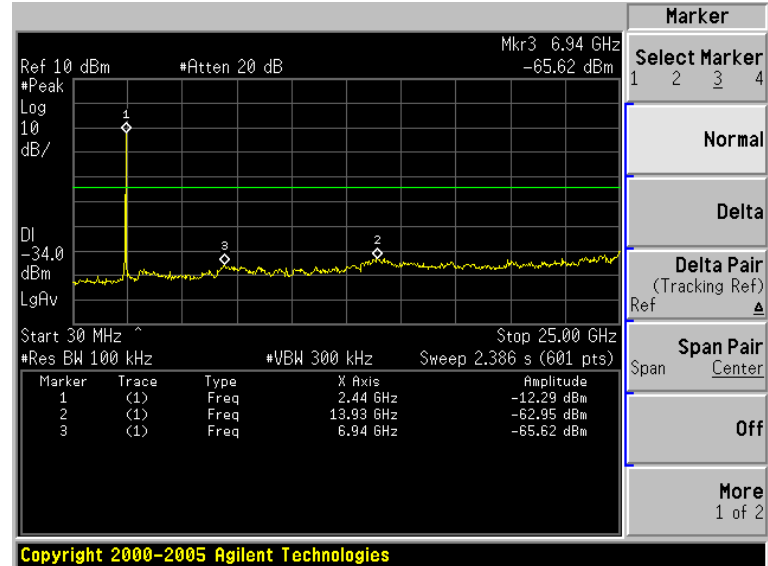


Site no. : 1# Chamber Data no. : 36
Dis. / Ant. : 3m 3115FACTOR Ant. pol. : VERTICAL
Limit : FCC PART 15C AV
Env. / Ins. : 23°C/54% Engineer : Jamy
EUT : 54M Wireless ADSL2+Router M/N:TD-W8910G
Power Rating : DC 12V From adapter 120V/60Hz
Test Mode : IEEE 802.11g TX in CH11 2462MHz

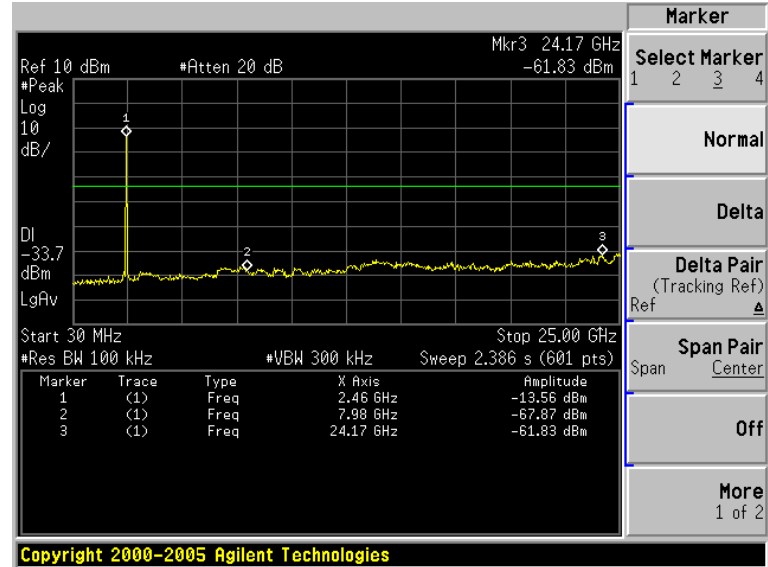
Conducted emission test data:
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz



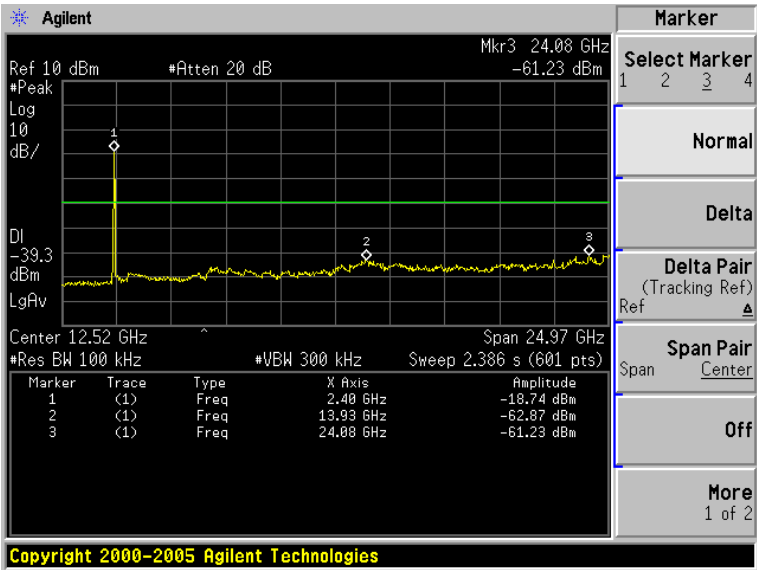
Test CH7: 2442MHz



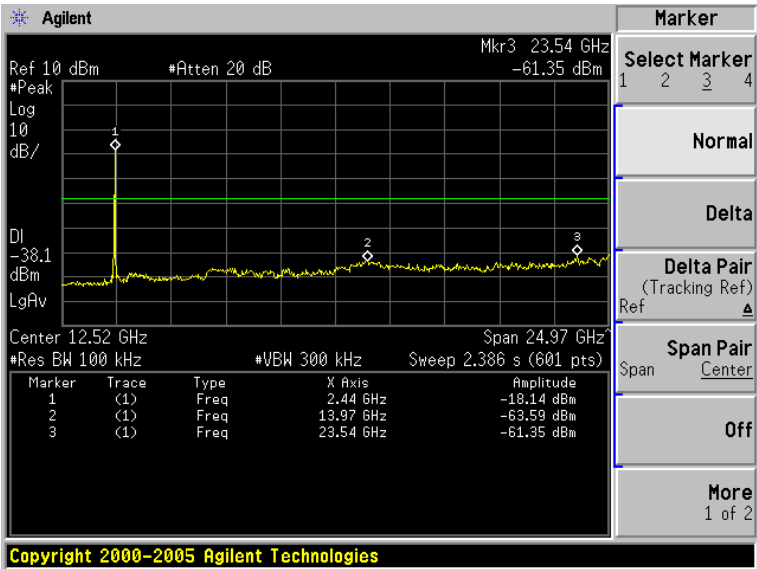
Test CH11: 2462MHz



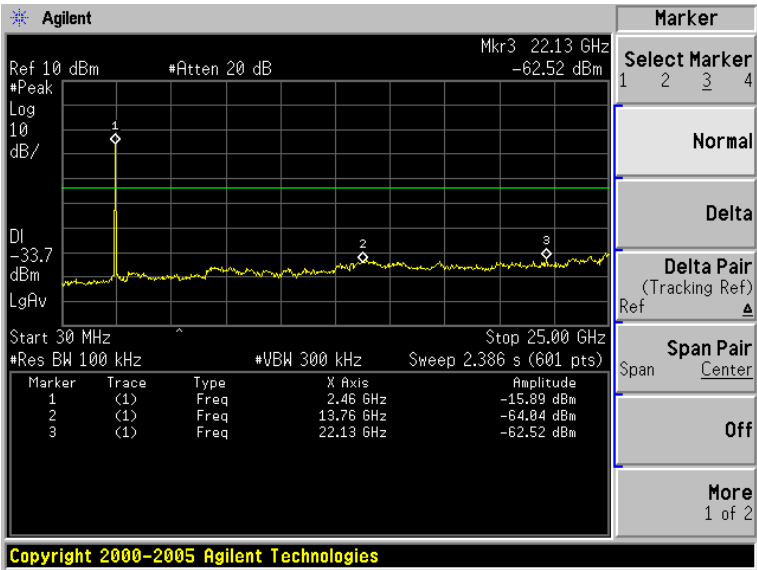
Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz



Test CH7: 2442MHz



Test CH11: 2462MHz



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,15, 07	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,15, 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:	54M Wireless ADSL2 + Router
M/N:	TD-W8910G
Test Date:	Jul.03, 2007
Ambient Temperature:	24°C
Relative Humidity:	54%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX
Test Frequency:	CH1: 2412MHz CH7: 2442MHz CH11: 2462MHz
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 higher than peak power minus 6dB.

5.4. Test Results

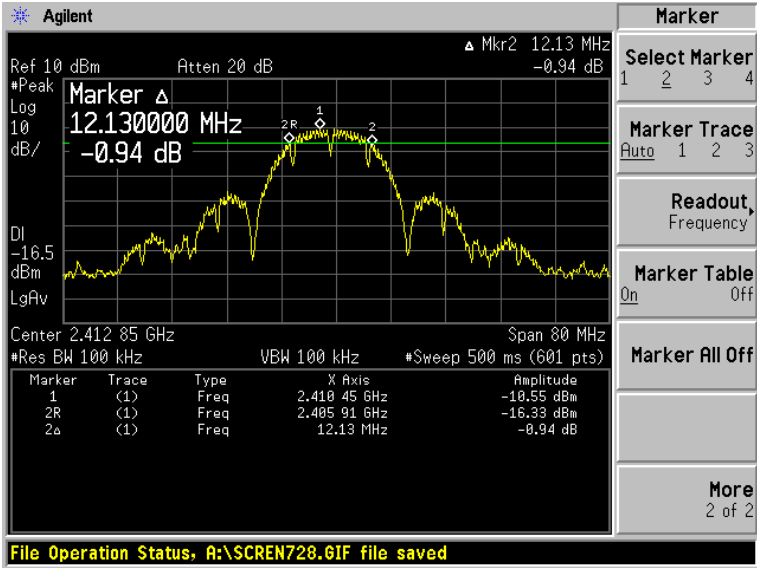
Test Mode: IEEE 802.11b TX

CH	6dB Bandwidth (MHz)	Limit	Conclusion
1	12.13	>500	PASS
7	12.53	>500	PASS
11	12.27	>500	PASS

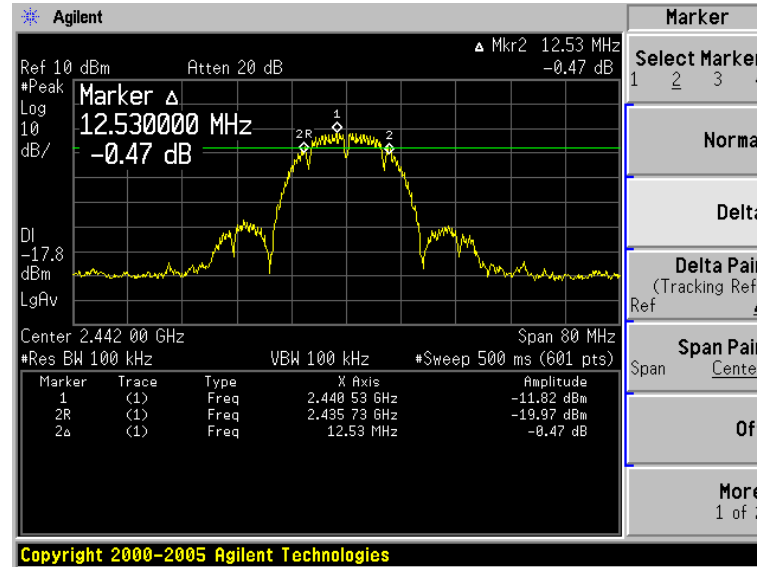
Test Mode: IEEE 802.11g TX

CH	6dB Bandwidth (MHz)	Limit	Conclusion
1	16.67	>500	PASS
7	16.67	>500	PASS
11	16.53	>500	PASS

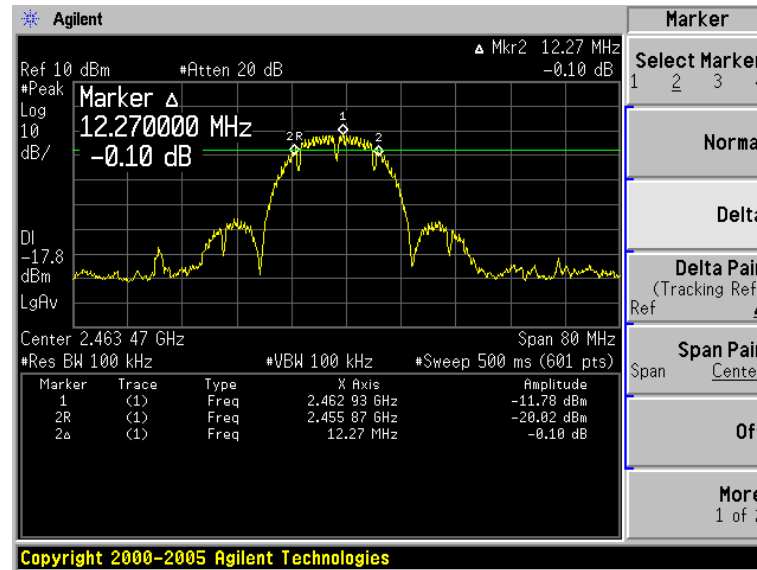
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz



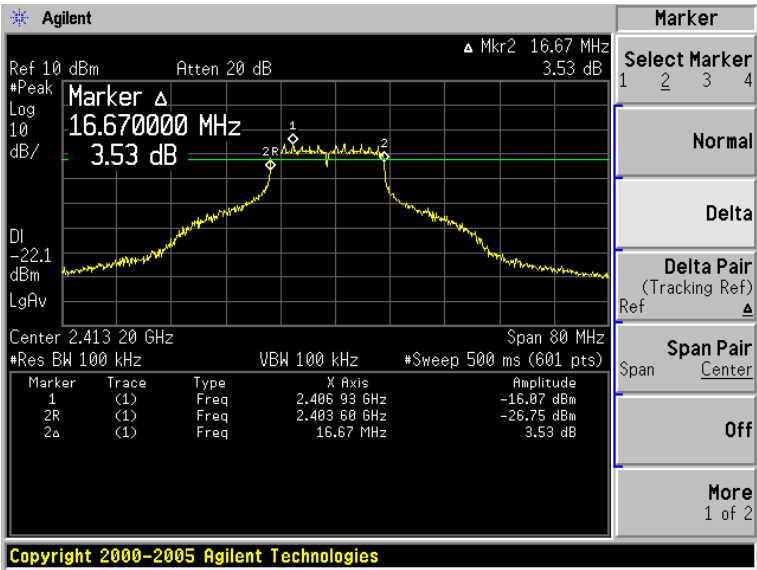
Test CH7: 2442MHz



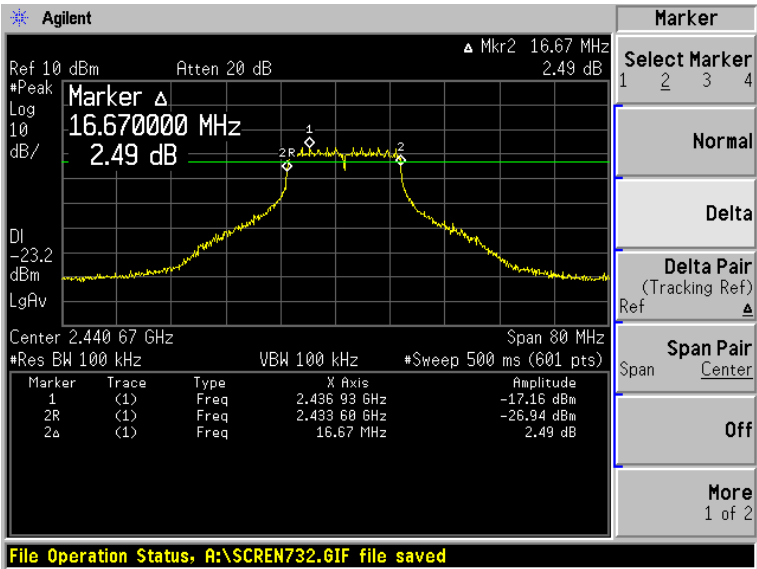
Test CH11: 2462MHz



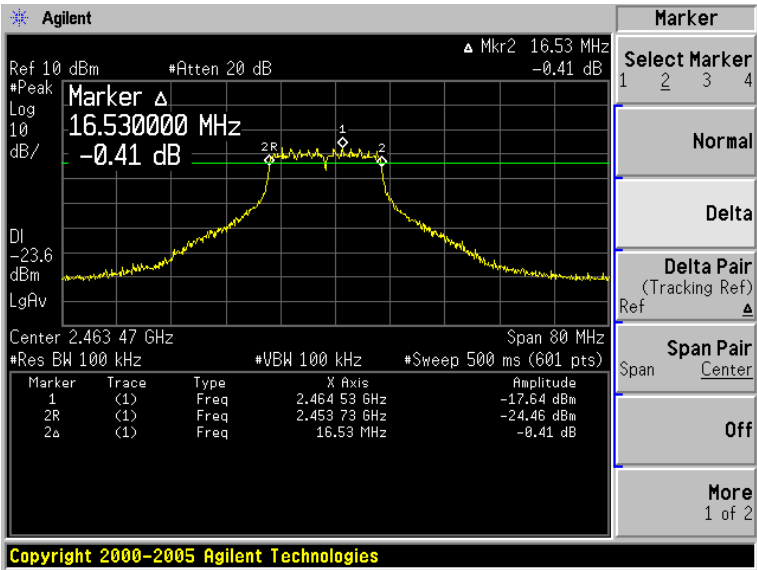
Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz



Test CH7: 2442MHz



Test CH11: 2462MHz



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,15, 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:	54M Wireless ADSL2 + Router
M/N:	TD-W8910G
Test Date:	Jul.03, 2007
Ambient Temperature:	24°C
Relative Humidity:	54%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX
Test Frequency:	CH1: 2412MHz CH7: 2442MHz CH11: 2462MHz
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	1.51	1	20	22.51	30	PASS
7	0.66	1	20	21.66	30	PASS
11	0.13	1	20	21.13	30	PASS

Test mode: IEEE 802.11g TX

Test CH	Read(PK) (dBm)	Cable loss(dB)	Atten loss (dB)	Result (dBm)	Limit (dBm)	Conclusion
1	2.38	1	20	23.38	30	PASS
7	2.66	1	20	23.66	30	PASS
11	2.45	1	20	23.45	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,15, 07	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,15, 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

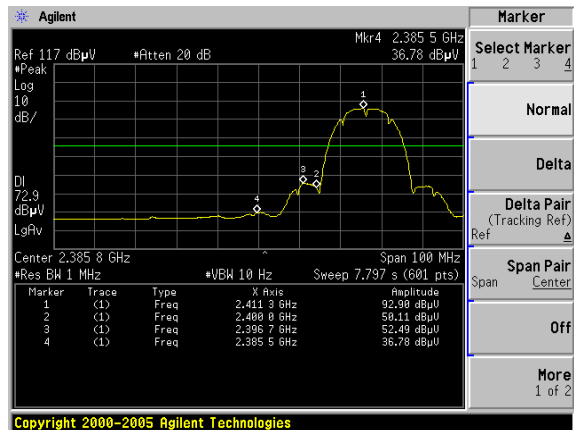
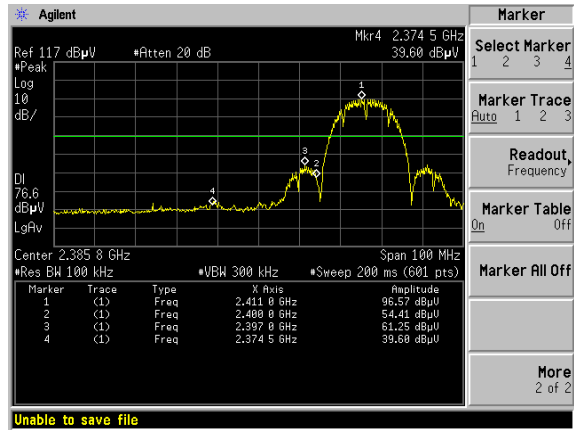
7.2. Test Information

EUT:	54M Wireless ADSL2 + Router
M/N:	TD-W8910G
Test Date:	Jul.03, 2007
Ambient Temperature:	24°C
Relative Humidity:	54%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX
Test Frequency:	CH1: 2412MHz CH11: 2462MHz
Test By:	Jamy

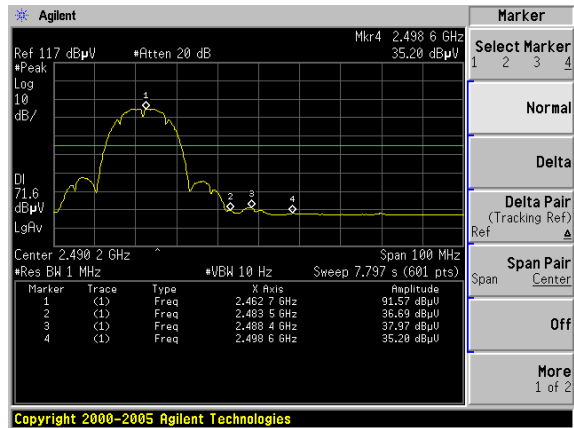
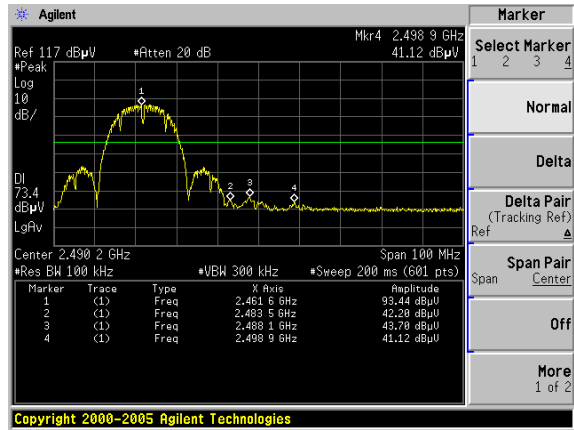
7.3. Test Results

Pass

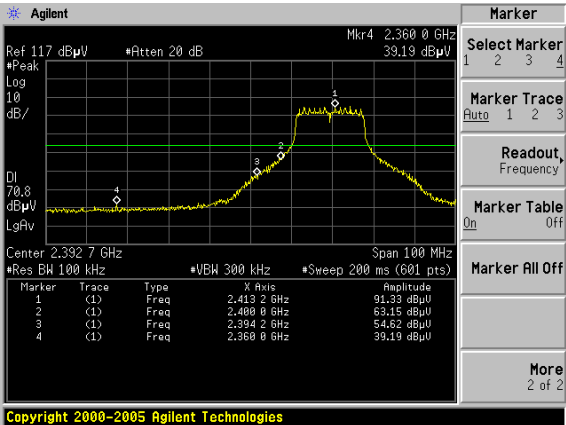
Test mode: IEEE 802.11b TX
CH1: 2412MHz



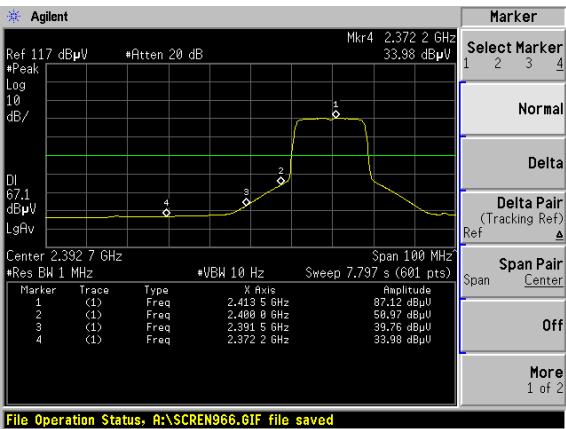
CH11: 2462MHz



Test mode: IEEE 802.11g TX
CH1: 2412MHz

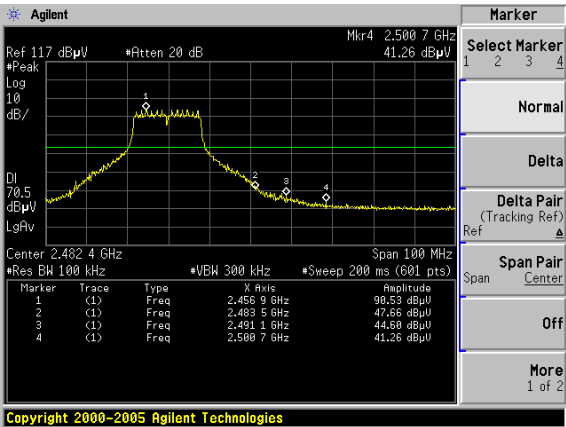


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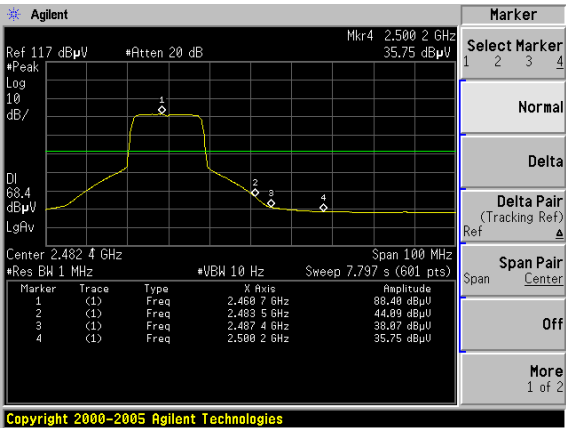


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CH11: 2462MHz



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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,15, 07	1 Year
2	Attenuator	Agilent	8491B	MY39262165	May,15, 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:	54M Wireless ADSL2 + Router
M/N:	TD-W8910G
Test Date:	Jul.03, 2007
Ambient Temperature:	24°C
Relative Humidity:	54%
Test standard:	FCC PART 15C: 15.247
Test mode:	IEEE 802.11b TX/ IEEE 802.11g TX
Test Frequency:	CH1: 2412MHz CH7: 2442MHz CH11: 2462MHz
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

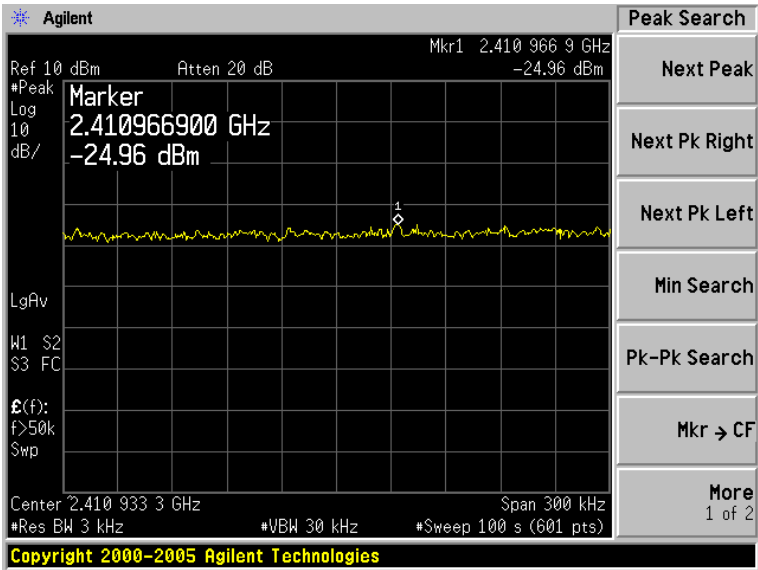
Test mode: IEEE 802.11b TX

Test CH	Read(PK) (dBm/3KHz)	Cable loss(dB)	Atten loss (dB)	Result (dBm/3KHz)	Limit (dBm/3KHz)	Conclusion
1	-24.96	1	20	-3.96	8	PASS
7	-25.88	1	20	-4.88	8	PASS
11	-25.74	1	20	-4.74	8	PASS

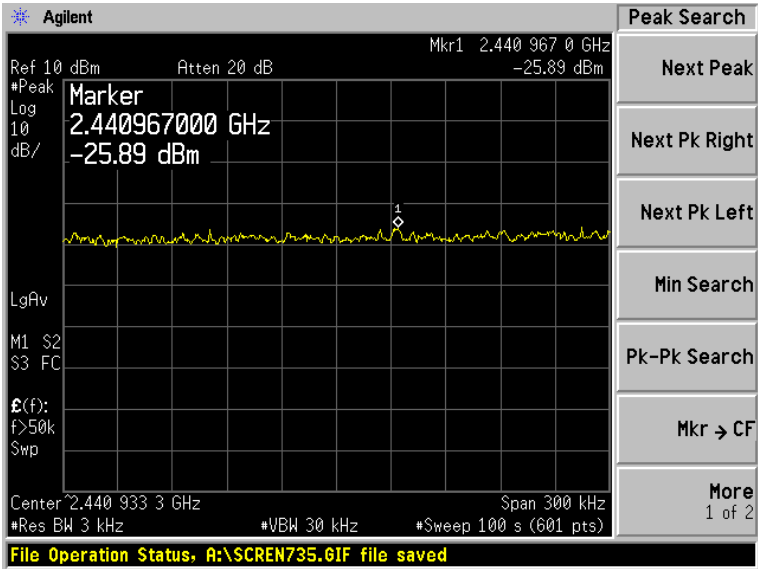
Test mode: IEEE 802.11g TX

Test CH	Read (dBm/3KHz)	Cable loss(dB)	Atten loss (dB)	Result (dBm)	Limit (dBm)	Conclusion
1	-30.01	1	20	-9.01	8	PASS
7	-30.64	1	20	-9.64	8	PASS
11	-30.19	1	20	-9.19	8	PASS

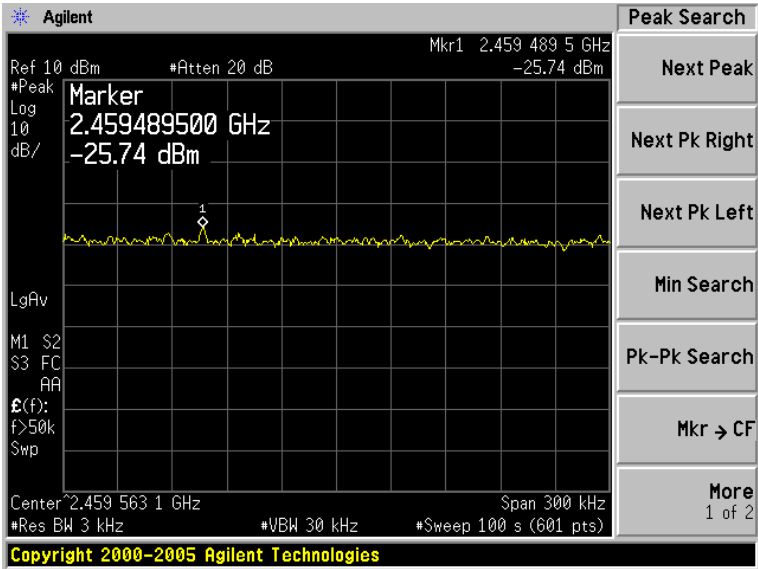
Test Mode: IEEE 802.11b TX
Test CH1: 2412MHz



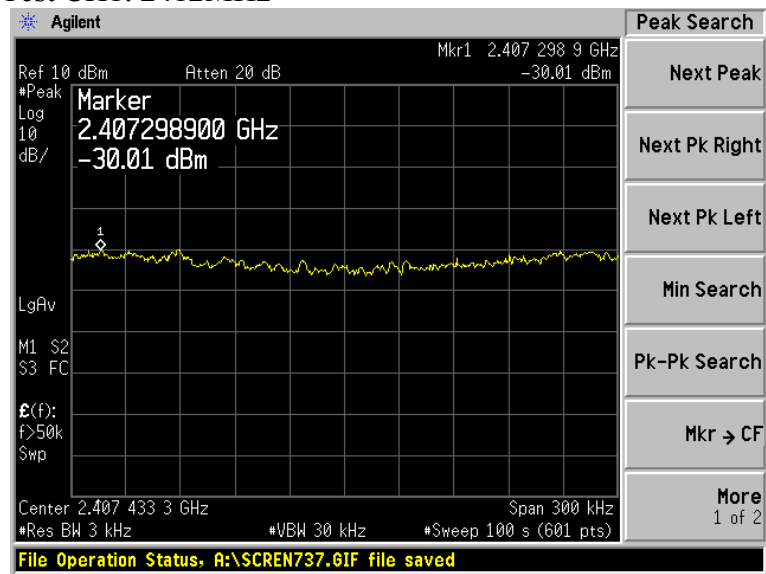
Test CH7: 2442MHz



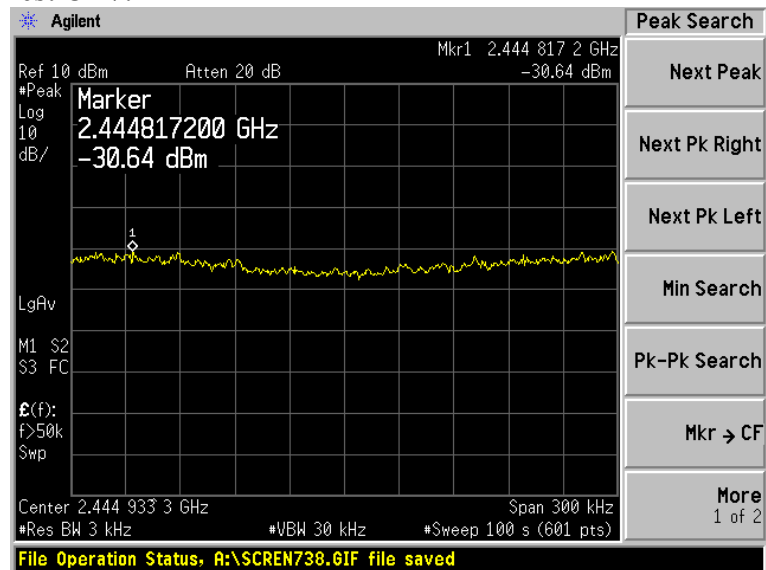
Test CH11: 2462MHz



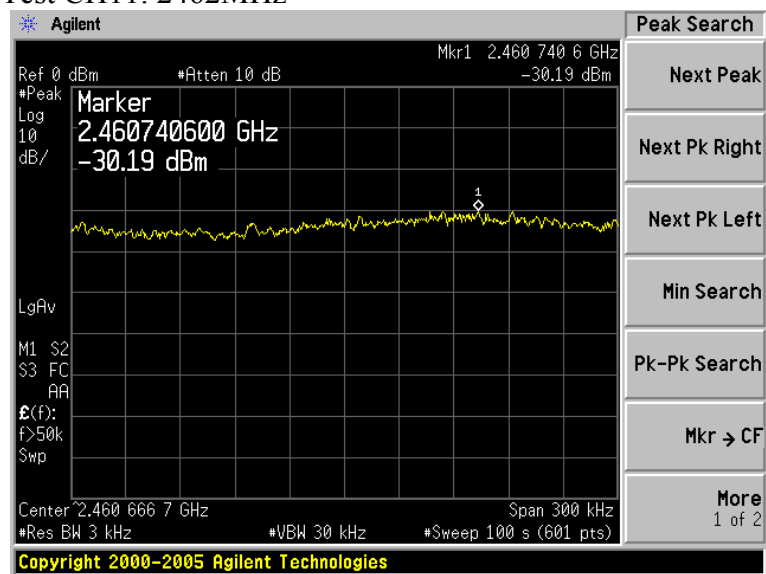
Test Mode: IEEE 802.11g TX
Test CH1: 2412MHz



Test CH7: 2442MHz



Test CH11: 2462MHz



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 3 dBi.

11.DEVIATION TO TEST SPECIFICATIONS

[NONE]