



FCC/IC TEST REPORT

for

47 CFR Part 15 Subpart C and IC RSS-210

Equipment : PDA Phone
Trade Name : palm
Model No. : Treo 800w
FCC ID : O8F-715
IC ID : 3905A-715
Filing Type : Certification
Applicant : **Palm, Inc.**
950 W Maude Avenue MS 22L02 Sunnyvale, CA 94085-2801

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- The data shown in this test report were carried out on Apr. 19, 2007 at **Sporton International Inc. LAB.**
- Report No.: FR741601A, Report Version: Rev. 01

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Report Version: Rev. 01



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History of this test report

Report Issue Date: Jun. 20, 2007

Report No.	Description



1. General Description of Equipment under Test

1.1 Applicant

Palm, Inc.

950 W Maude Avenue MS 22L02 Sunnyvale, CA 94085-2801

1.2 Manufacturer

Palm, Inc.

950 W Maude Avenue MS 22L02 Sunnyvale, CA 94085-2801

1.3 Basic Description of Equipment under Test

Equipment	: PDA Phone
Trade Name	: palm
Model No.	: Treo 800w
FCC ID	: O8F-715
IC ID	: 3905A-715
Power Supply Type	: From battery 3.7V
AC Power Cord	: AC 120V, Wall-mount, 1.8 meter, 2 pin
LCD Panel 1	: Samsung, TP246QV-B01
LCD Panel 2	: Sharp, LS0DAS0752
LCD Panel 3	: Sony, ACX551AKM-8
Adapter 1	: Netbit, DSC-5PNL-05 050100
Adapter 2	: PIE, P005WA05WW
Battery	: 157-10079-00

1.4 Feature of Equipment under Test

Product Feature & Specification	
1. DUT Type	PDA Phone
2. Trade Name	palm
3. Model Name	Treo 800w
4. FCC ID	O8F-715
5. Tx Frequency	Bluetooth : 2400 ~ 2483.5 MHz WLAN : 2400 ~ 2483.5 MHz
6. Rx Frequency	Bluetooth : 2400 ~ 2483.5 MHz WLAN : 2400 ~ 2483.5 MHz
7. Number of Channels	Bluetooth : 79 WLAN : 11
8. Carrier Frequency of Each Channel	Bluetooth : $2402+n*1$ MHz; $n=0\sim78$ WLAN : $2412+(n-1)*5$ MHz; $n=1\sim11$
9. Antenna Connector	N/A
10. Antenna Type	PIFA Antenna
11. Antenna Gain	Bluetooth: 0.5 dBi WLAN: 0.5 dBi
12. Maximum Output Power	Bluetooth : -2.46 dBm 802.11b : 15.04 dBm / 802.11g : 16.21 dBm
13. Type of Modulation	Bluetooth : GFSK WLAN : DSSS / OFDM
14. DUT Stage	DVT
15. Application Type	Certification

2 Test Configuration of Equipment under Test

2.1 Test Manner

- The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.
- For spurious emission below 1GHz, only one channel of each application was tested because it is not related to channel selection.
- The EUT is programmed to transmit signal continuously for all testings.
- Frequency range investigated: conduction 150 kHz to 30 MHz, radiation 30 MHz to 25000MHz.

2.2 Test Mode

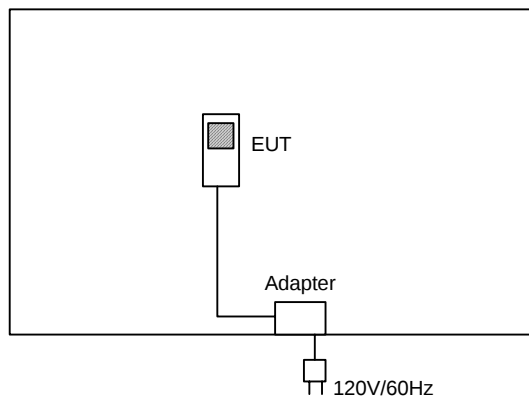
Application		
Radiated Emission	802.11b	802.11g
	Mode 1: Tx_CH01_2412 MHz	Mode 4: Tx_CH01_2412 MHz
	Mode 2: Tx_CH06_2437 MHz	Mode 5: Tx_CH06_2437 MHz
	Mode 3: Tx_CH11_2462 MHz	Mode 6: Tx_CH11_2462 MHz
Conducted Emission	Mode 1: PDA with LCD 1 + CDMA2000 Cellular Idle Mode + BT Link + WLAN Link + Camera + MPEG4 + Adapter 1	
	Mode 2: PDA with LCD 1 + CDMA2000 Cellular Idle Mode + BT Link + WLAN Link + Camera + MPEG4 + Adapter 2	
	Mode 3: PDA with LCD 1 + CDMA2000 Cellular Idle Mode + BT Link + WLAN Link + USB Link + Camera + MPEG4	
	Mode 4: PDA with LCD 2 + CDMA2000 Cellular Idle Mode + BT Link + WLAN Link + Camera + MPEG4 + Adapter 1	
	Mode 5: PDA with LCD 3 + CDMA2000 Cellular Idle Mode + BT Link + WLAN Link + Camera + MPEG4 + Adapter 1	
	Mode 6: PDA with LCD 3 + CDMA2000 PCS Idle Mode + BT Link + WLAN Link + Camera + MPEG4 + Adapter 1	

Note:

- The data rates for EMC testing are 11Mbps for 802.11b and 6Mbps for 802.11g. Engineering testing software installed on the EUT can provide continuous transmitting RF signal with almost 100% duty cycle.
- Before conducted emission testing, the battery energy is lower 20% energy level, so as to being tested at worst situation.
- The LCD Panel 3, Sony, ACX551AKM-8, is used for radiated emission testing.

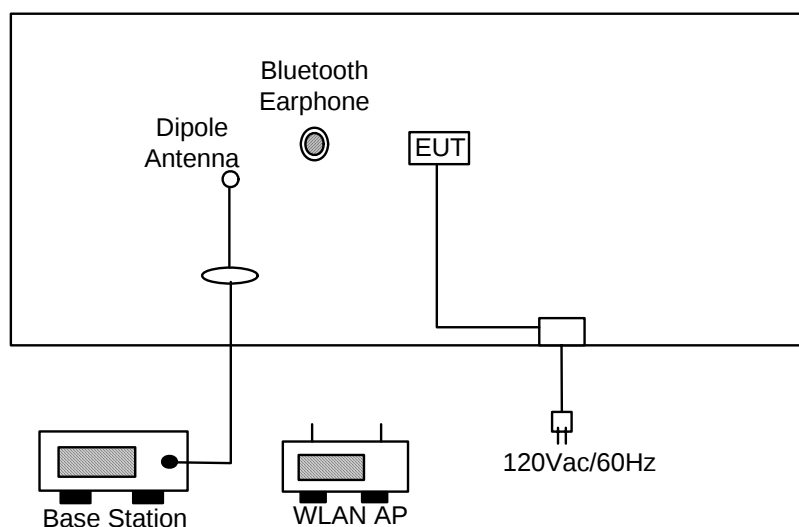
2.3 Connection Diagram of Test System

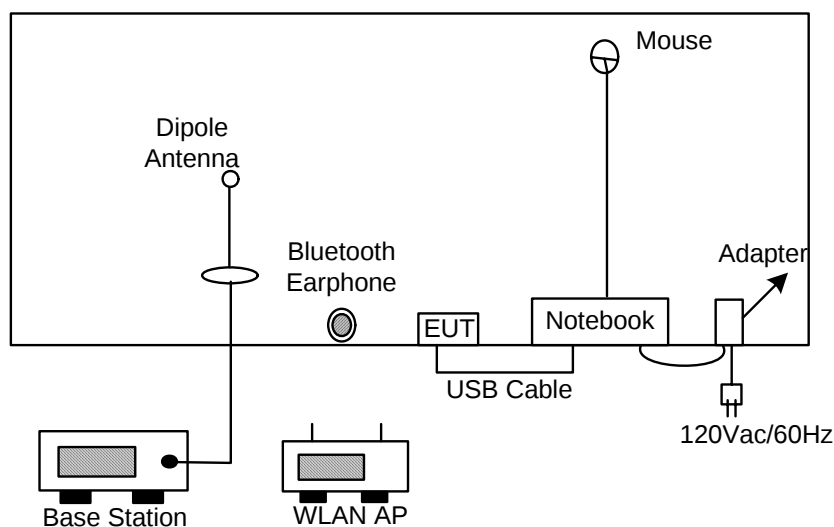
<Radiated Emission>



<Conducted Emission>

Phone with Adapter Link Mode



Phone with USB Link Mode

2.4 Ancillary Equipment List

Item	Asset	Model Name	FCC ID	Power Cord
1.	Base Station (R&S)	CMU 200	N/A	N/A
2.	Notebook (DELL)	D400	E2K24GBRL	N/A
3.	RS232 Mouse (State)	MS-303	N/A	Aluminum Foil-shielded, 1.2m
4.	Bluetooth Earphone (Engotech)	ET-BH111	PQY471087	N/A
5.	USB Cable	N/A	N/A	Shielded, 1.7m
6.	WLAN AP (SMC)	SMC-100	HEDWG4005ACC	N/A



3. RF Utility

The EUT is linked with BT earphone and WLAN AP for conducted emission or in BT continuous Tx mode controlled by RF utility and base station simulator or in WLAN continuous Tx mode controlled by RF utility for radiation emission and other conducted tests.

- 1 .The EUT was placed in either continuous transmit or continuous receive mode for Bluetooth (BT) and WLAN function by a program (BT Uart) provided by the manufacturer .
2. The EUT at cellular phone's idle mode was synchronized to base station simulator which is located outside of chamber, and was linked with BT earphone and WLAN AP for conducted emission .



4. General Information of Test

Test Site Location : No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park,
Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
TEL : 886-3-327-3456
FAX : 886-3-318-0055
Test Site No : CO04-HY, 03CH06-HY

4.1 Test Voltage

120V/ 60Hz

4.2 Standard for Methods of Measurement

ANSI C63.4-2003

4.3 Test in Compliance with

47 CFR Part 15 Subpart C and IC RSS-210 Issued 6

4.4 Frequency Range Investigated

- a. Conducted Emission : from 150 KHz to 30 MHz
- b. Radiated Emission : from 30 MHz to 25000 MHz

4.5 Test Distance

The test distance of radiated emission from antenna to EUT is 3 m.

5. Test Data and Test Result

5.1 List of Measurements and Examinations

The Emission Mode: Wireless LAN

FCC Rule	IC Rule	Description of Test	Result
15.207	RSS-Gen 7.2.2	Conducted Emission	Pass
15.247(a)(2)	A8.2 (1)	6dB & 20dB Bandwidth	Pass
15.247(b)	A8.4 (4)	Maximum Peak Output Power	Pass
15.209(a)	2.6	Radiated Emission	Pass
15.247 (c)	A8.5	100kHz Bandwidth of Frequency Band Edges	Pass
15.247(d)	A8.2 (2)	Power Spectral Density	Pass
15.203 15.247(b)(4)	A8.4 (6)	Antenna Requirement	Pass

5.2 6dB Bandwidth Measurement

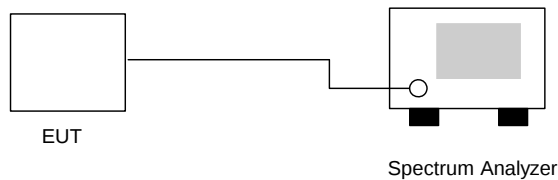
5.2.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.2.2 Test Procedure :

1. The transmitter output was connected to the spectrum analyzer directly.
2. Set RBW of spectrum analyzer to 100kHz and VBW to 100kHz.
3. The 6 dB bandwidth is defined as the frequency range where the power is higher than the peak power minus 6dB.

5.2.3 Test Setup Layout :



5.2.4 Test Result :

- Application Type : WLAN 802.11b/g
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Anderson

802.11b

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	10.06	> 0.5MHz	Mode 1
06	2437	10.06	> 0.5MHz	Mode 2
11	2462	10.06	> 0.5MHz	Mode 3

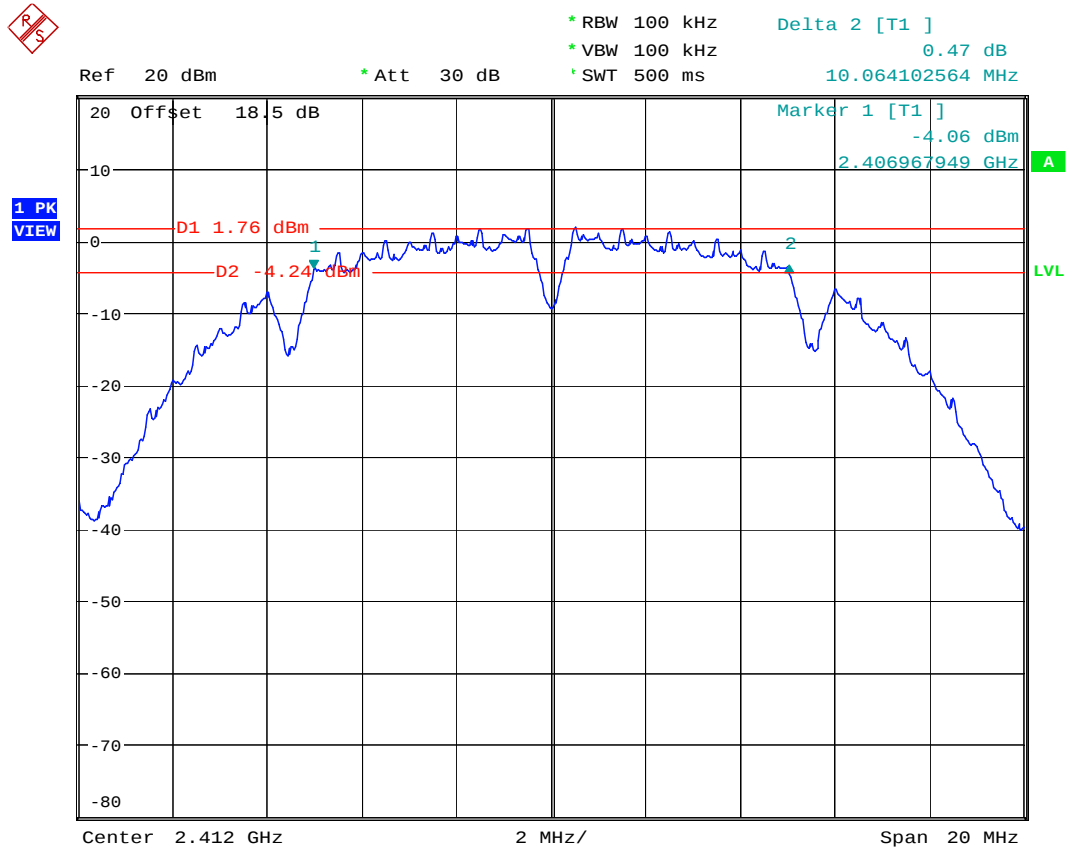
802.11g

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	16.51	> 0.5MHz	Mode 4
06	2437	16.51	> 0.5MHz	Mode 5
11	2462	16.54	> 0.5MHz	Mode 6



5.2.5 6dB Bandwidth

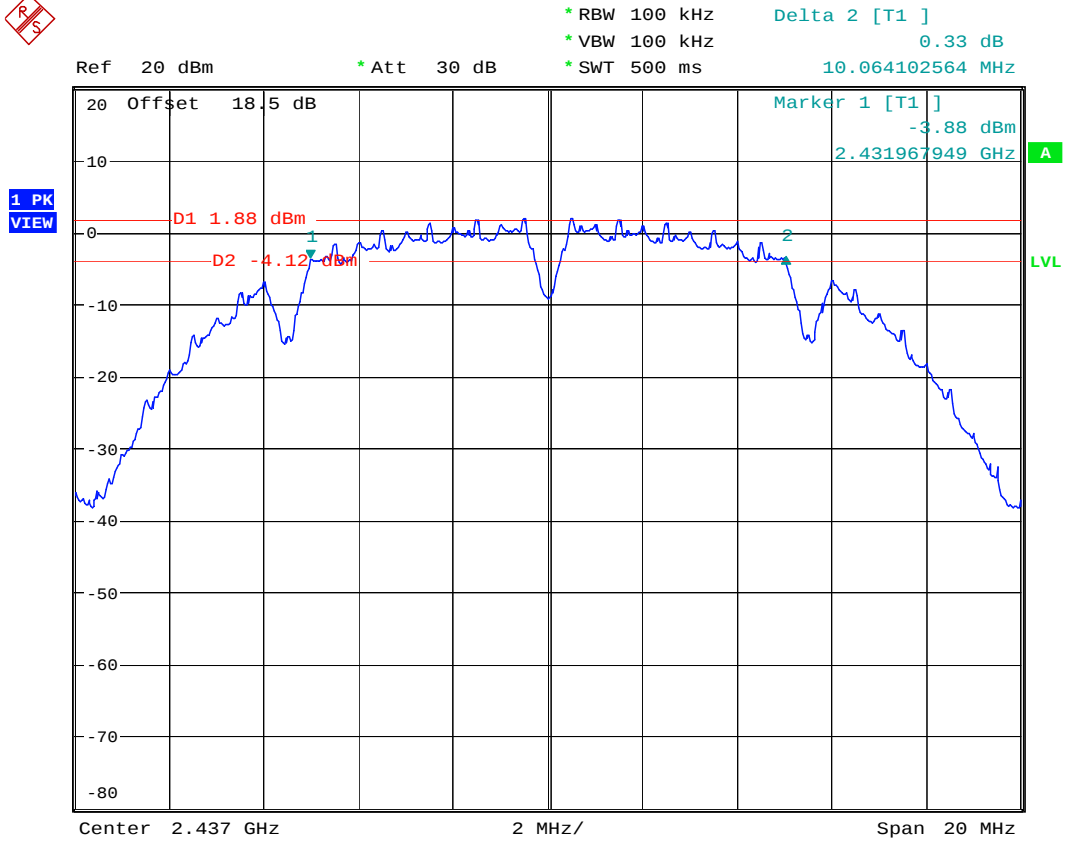
Mode 1



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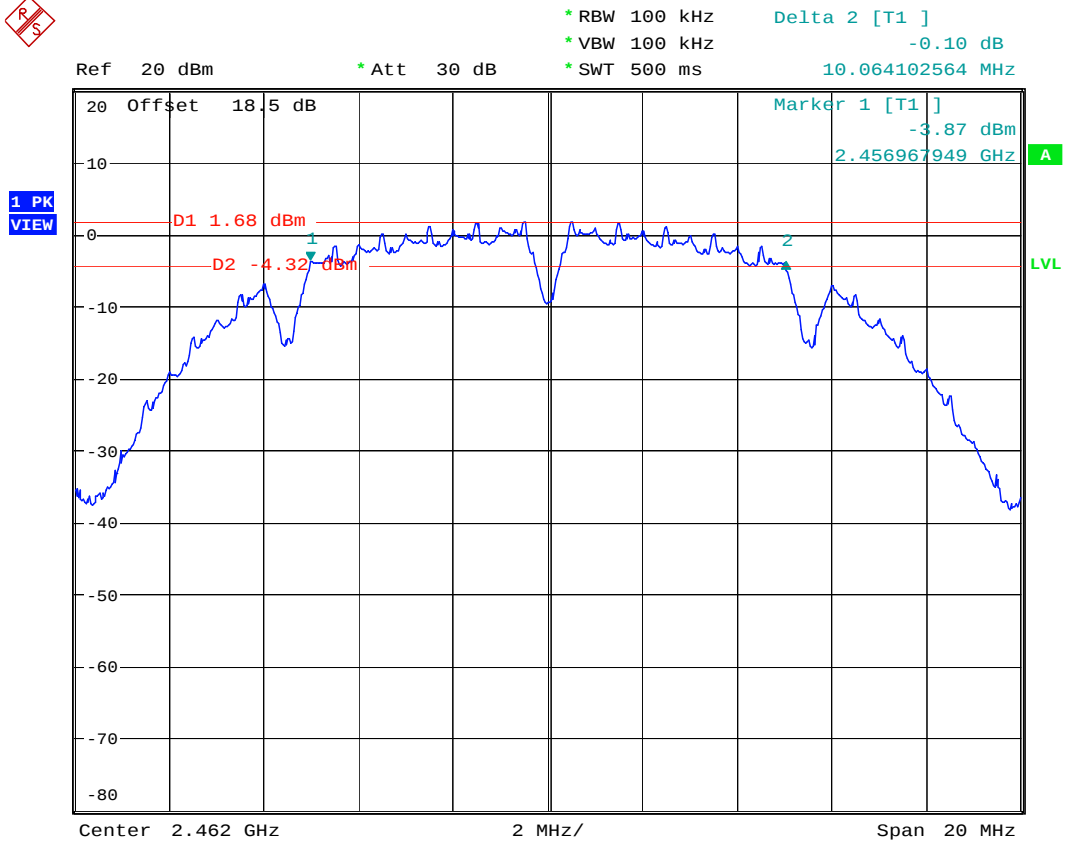
Mode 2



Date: 18.APR.2007 23:39:20



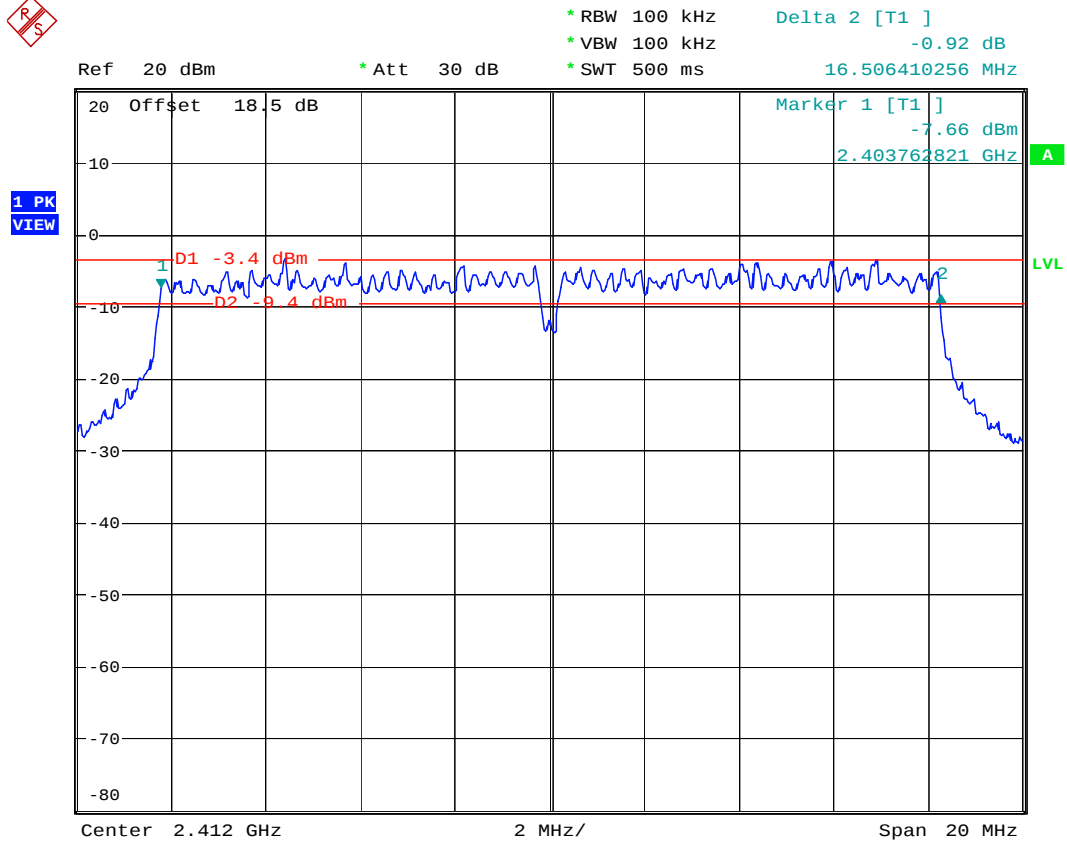
Mode 3



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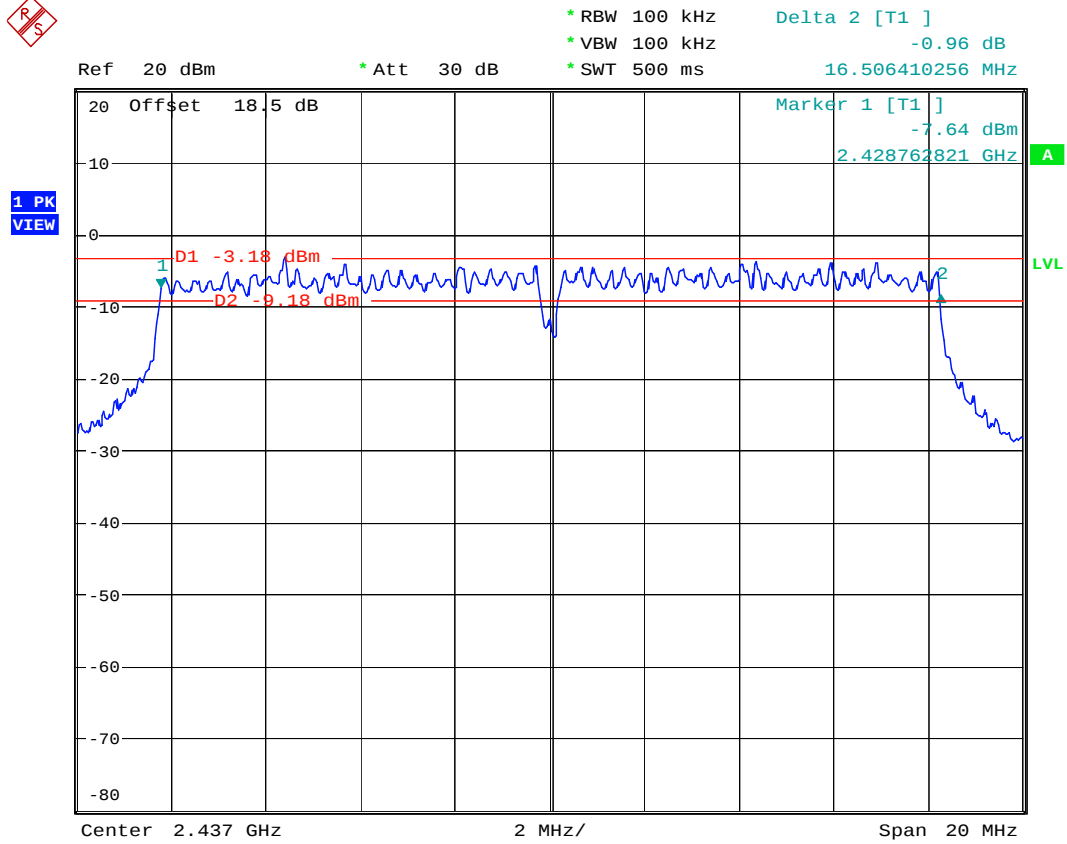
Mode 4



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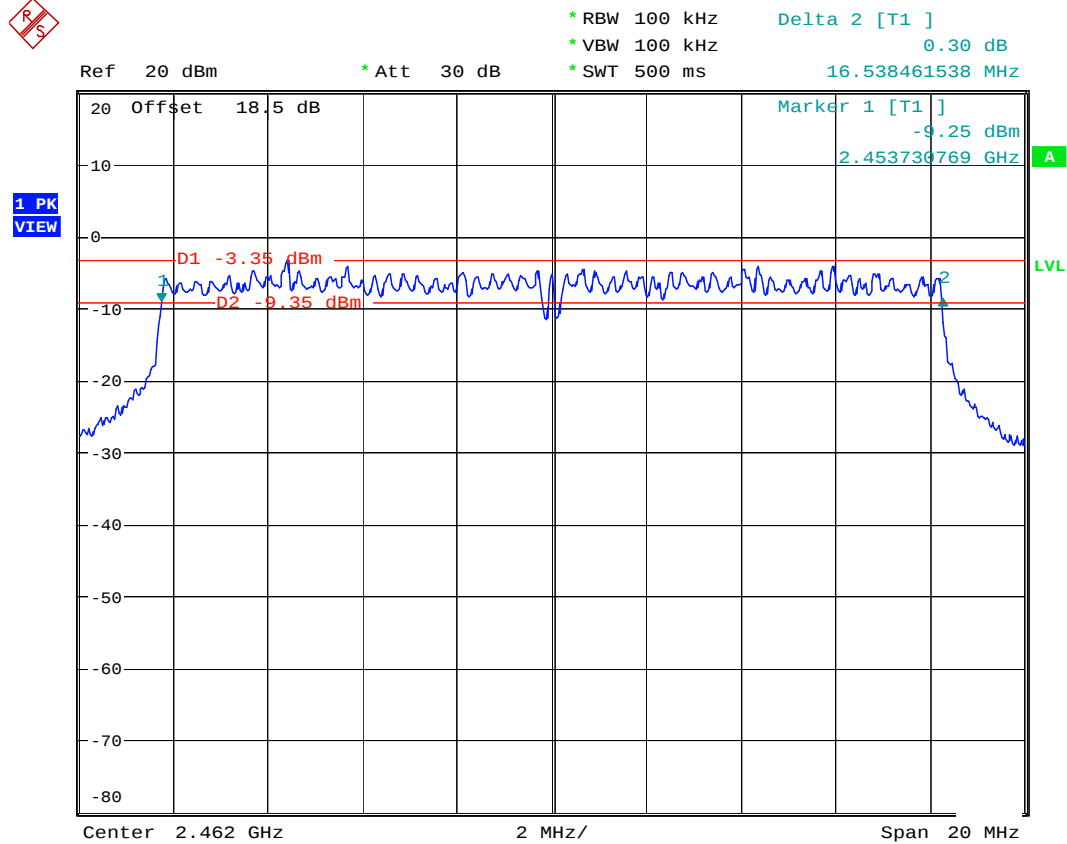
Mode 5



Date: 18.APR.2007 23:57:15



Mode 6



Date: 18.APR.2007 23:55:09

5.3 Power Spectral Density Measurement

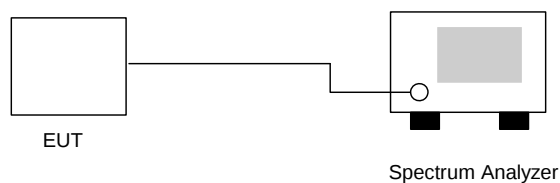
5.3.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.3.2 Test Procedure :

1. The transmitter output was connected to spectrum analyzer directly.
2. The spectrum analyzer's resolution bandwidth was set at 3kHz RBW and 30kHz VBW as that of the fundamental frequency. Set the sweep time=span/3kHz.
3. The power spectral density was measured and recorded.
4. The sweep time is allowed to be longer than span/3kHz for a full response of the mixer in the spectrum analyzer.

5.3.3 Test Setup Layout :



**5.3.4 Test Result :**

- Application Type : 802.11b/g
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Anderson

802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-15.08	8	Mode 1
06	2437	-15.16	8	Mode 2
11	2462	-15.98	8	Mode 3

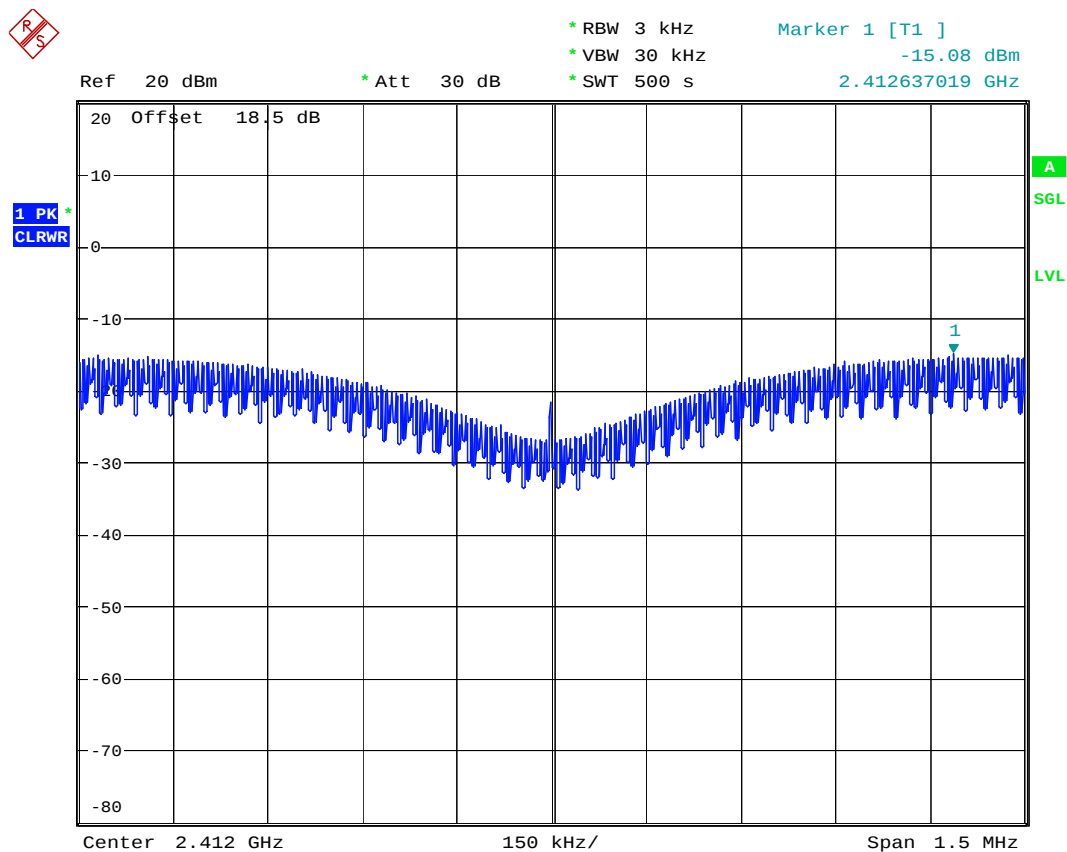
802.11g

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-18.20	8	Mode 4
06	2437	-18.17	8	Mode 5
11	2462	-18.44	8	Mode 6



5.3.5 Power Spectral Density

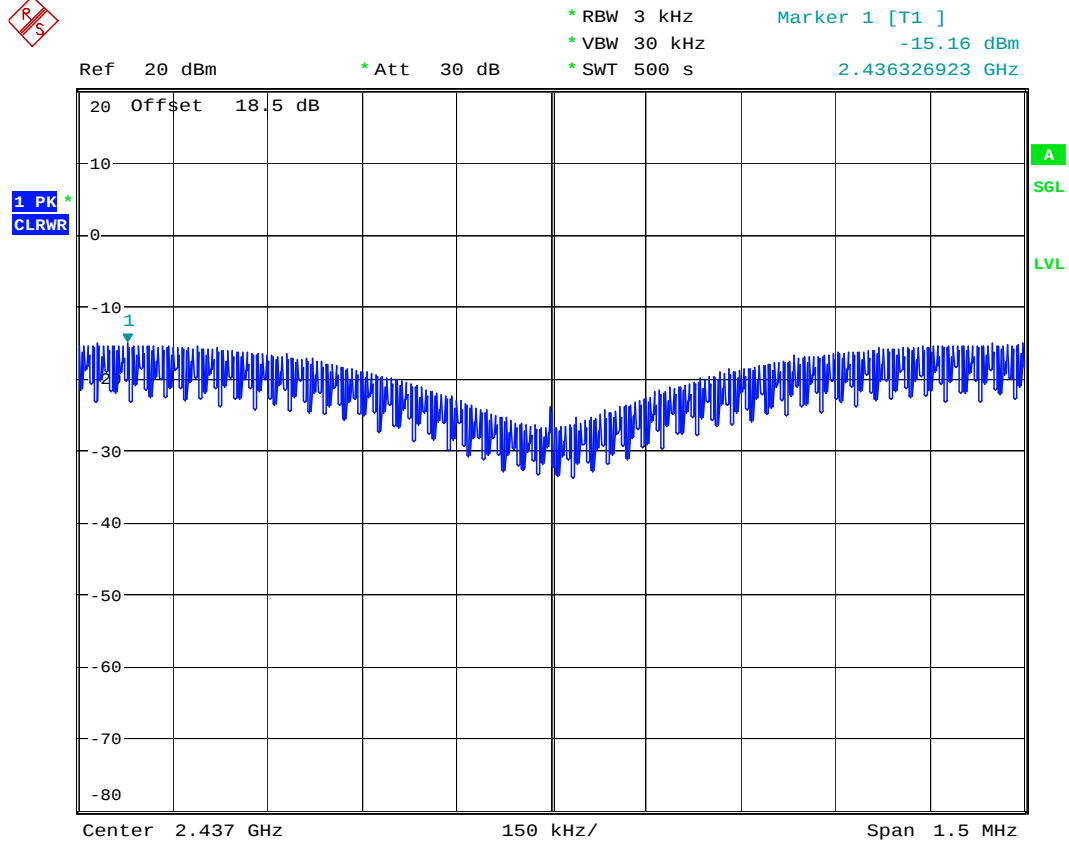
Mode 1



Date: 19.APR.2007 02:04:26



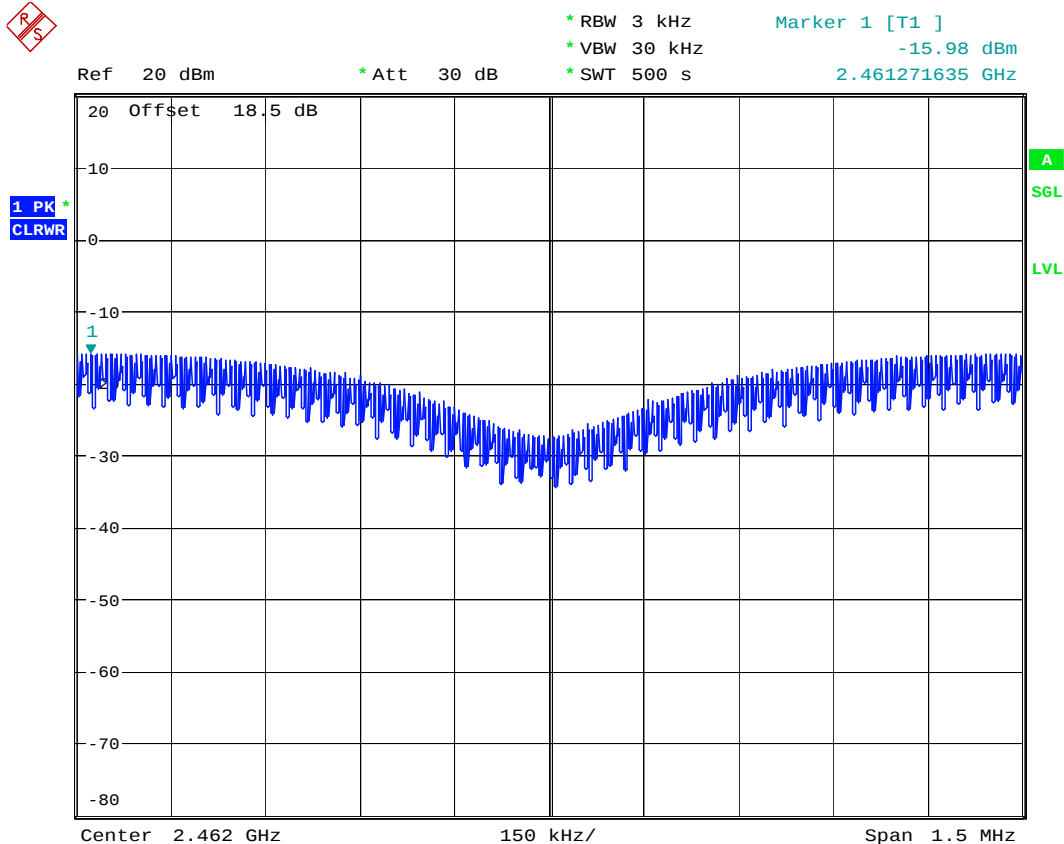
Mode 2



Date: 19.APR.2007 01:40:49



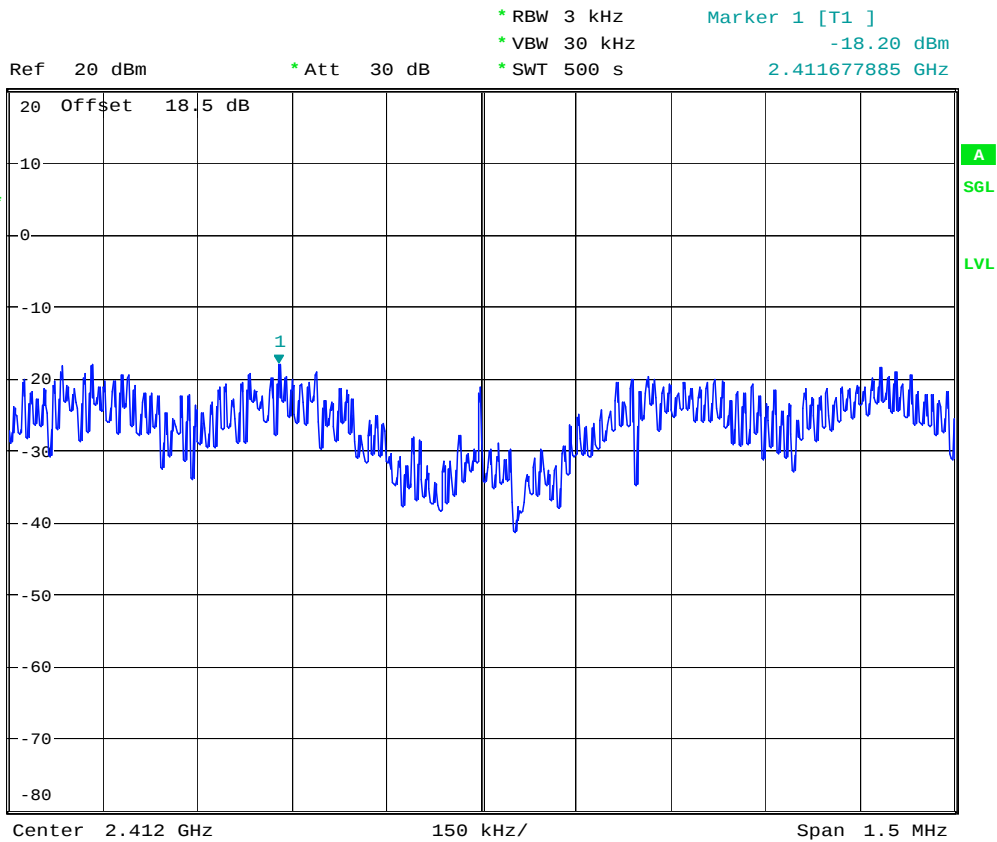
Mode 3



Date: 19.APR.2007 01:22:56



Mode 4



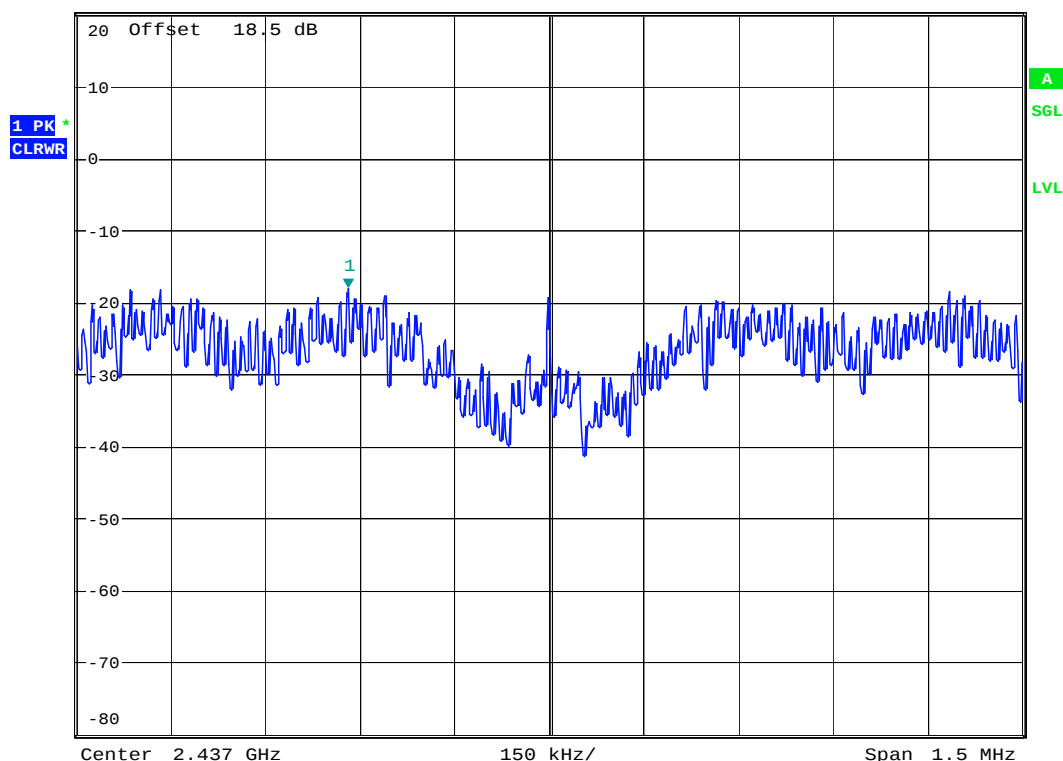
Date: 19.APR.2007 00:11:15



Mode 5



Ref 20 dBm * Att 30 dB * RBW 3 kHz Marker 1 [T1] -18.17 dBm
* VBW 30 kHz * SWT 500 s 2.436680288 GHz



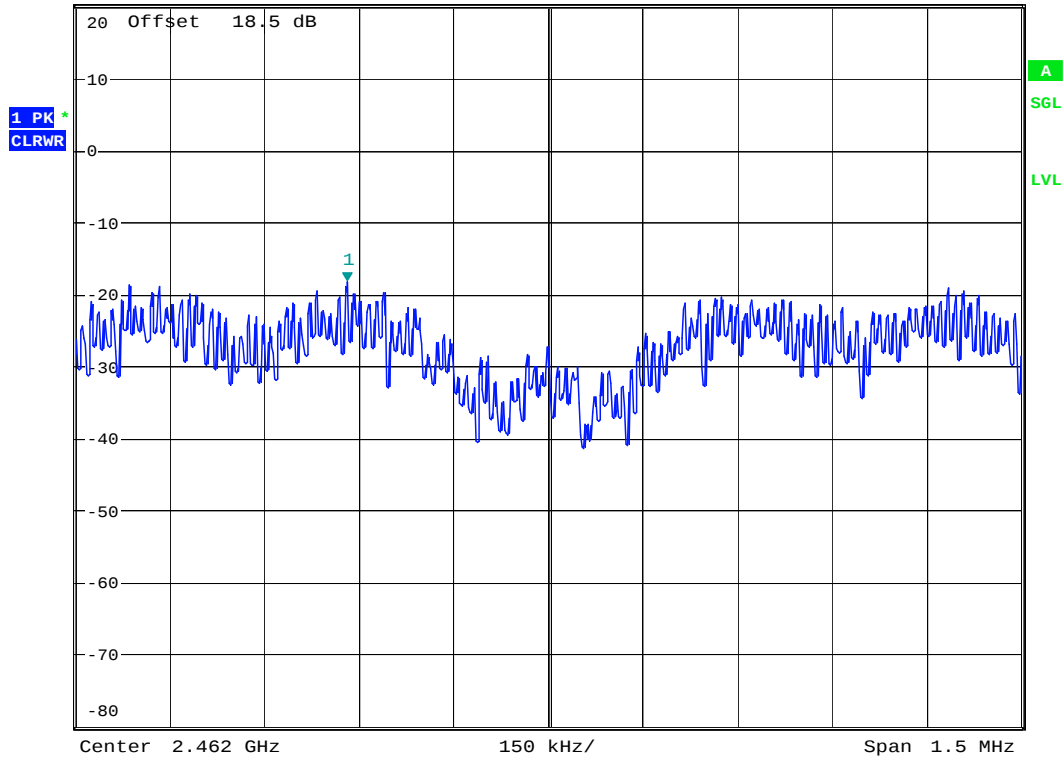
Date: 19.APR.2007 00:46:53



Mode 6



Ref 20 dBm * Att 30 dB * RBW 3 kHz * VBW 30 kHz * SWT 500 s Marker 1 [T1] -18.44 dBm 2.461680288 GHz



Date: 19.APR.2007 01:02:16



5.4 Band Edges Measurement

5.4.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.4.2 Test Procedure :

1. The transmitter output was connected to the spectrum analyzer via a low lose cable.
2. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100 kHz bandwidth from band edge.
3. The band edges was measured and recorded.

5.4.3 Test Result :

- Application Type : WLAN 802.11b/g
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Anderson

- Test Result in WLAN lower band (Channel 1) : PASS
- Test Result in WLAN higher band (Channel 11) : PASS

**5.4.4 Note on Band Edge Emission :****➤WLAN 802.11b****CH01 (Horizontal)**

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2386.96	55.44	-19.56	74.00	55.90	30.24	3.73	35.44	100	0	Peak
2386.96	44.57	-9.43	54.00	46.00	30.26	3.75	35.44	100	167	Average

CH01 (Vertical)

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2367.76	53.25	-20.75	74.00	54.71	30.24	3.73	35.44	100	0	Peak
2367.76	43.10	-10.90	54.00	44.56	30.24	3.73	35.44	100	106	Average

CH11 (Horizontal)

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2485.05	59.42	-14.58	74.00	60.77	30.30	3.88	35.53	100	0	Peak
2485.05	49.19	-4.81	54.00	50.55	30.29	3.88	35.51	121	38	Average

CH11 (Vertical)

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2485.27	59.46	-14.54	74.00	60.81	30.30	3.86	35.51	100	0	Peak
2485.27	49.30	-4.70	54.00	50.66	30.29	3.86	35.51	100	101	Average



➤WLAN 802.11g

CH01 (Horizontal)

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2389.92	55.24	-18.76	74.00	56.69	30.26	3.75	35.46	100	0	Peak
2389.92	42.53	-11.47	54.00	43.98	30.26	3.75	35.46	105	42	Average

CH01 (Vertical)

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2389.76	56.45	-17.55	74.00	57.90	30.26	3.75	35.46	100	0	Peak
2389.76	43.39	-10.61	54.00	44.84	30.26	3.75	35.46	106	102	Average

CH11 (Horizontal)

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2498.96	52.75	-21.525	74.00	54.11	30.29	3.88	35.51	100	0	Peak
2498.96	41.10	-12.90	54.00	42.45	30.29	3.88	35.53	105	227	Average

CH11 (Vertical)

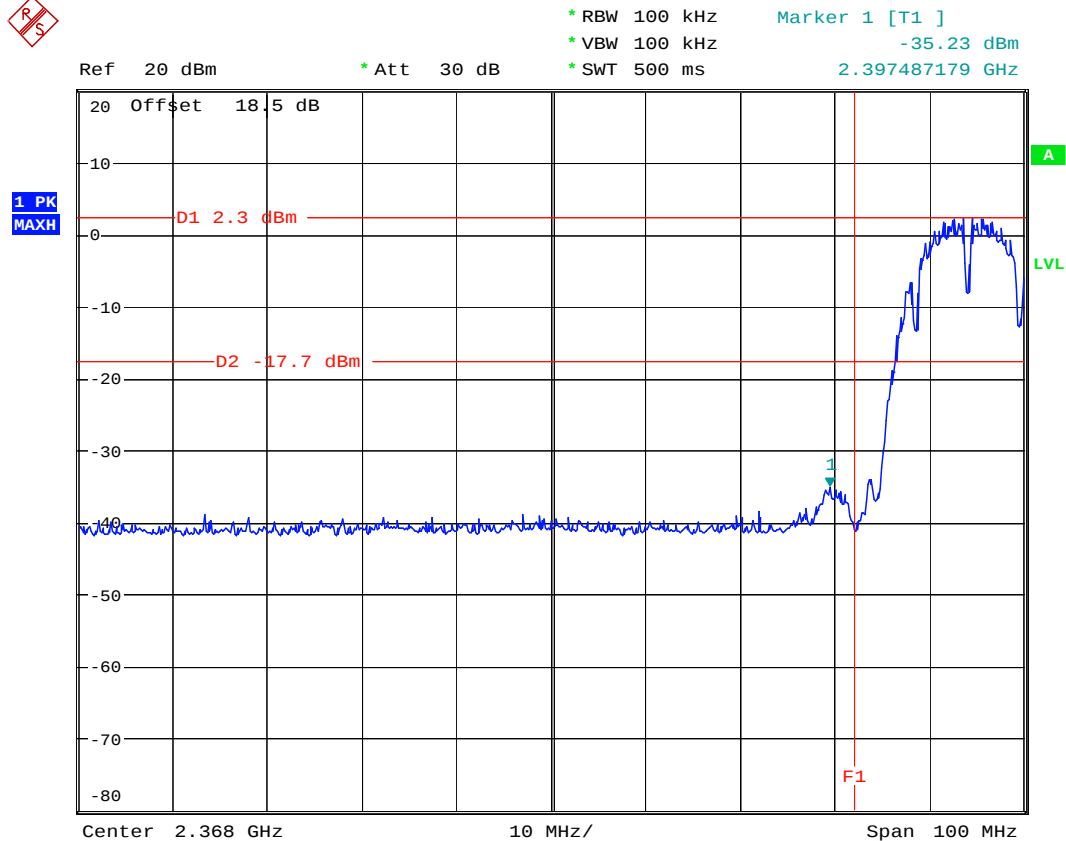
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2499.54	53.05	-20.95	74.00	54.40	30.30	3.86	35.51	100	0	Peak
2499.54	41.26	-12.74	54.00	42.62	30.29	3.86	35.51	103	84	Average



5.4.4 20dB Band Edge

WLAN 802.11b

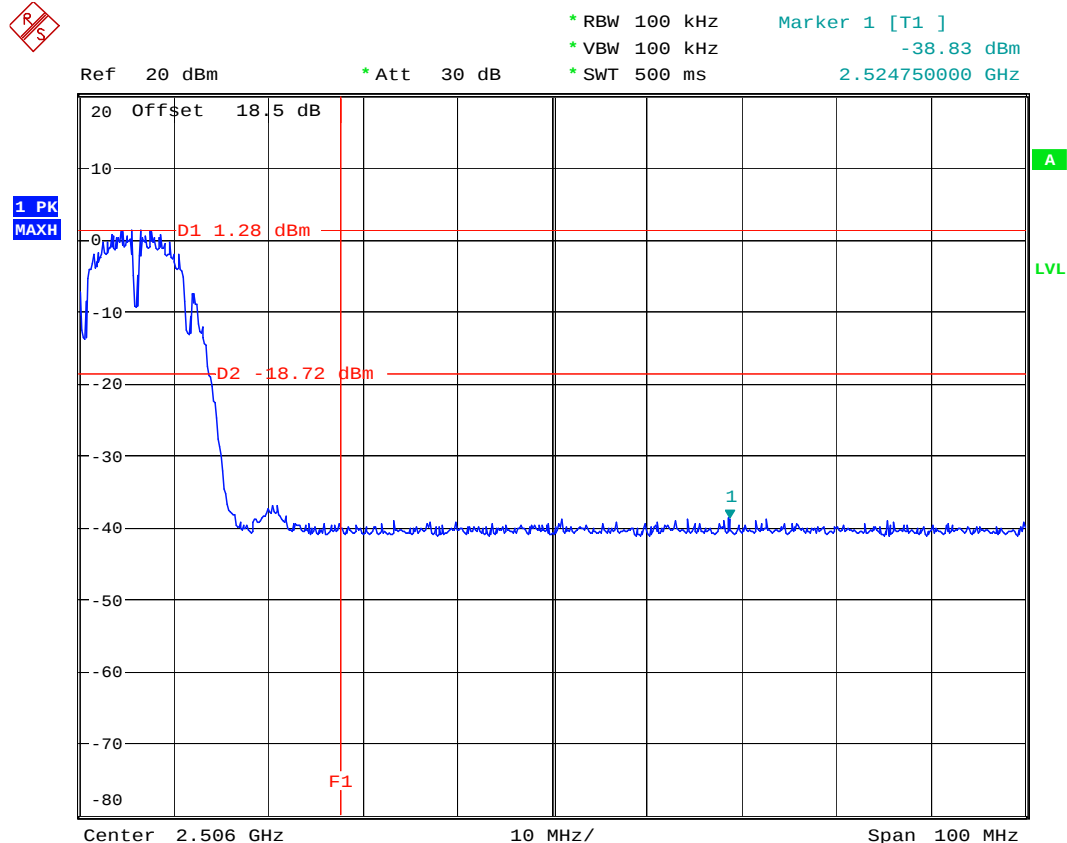
CH01



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CH11

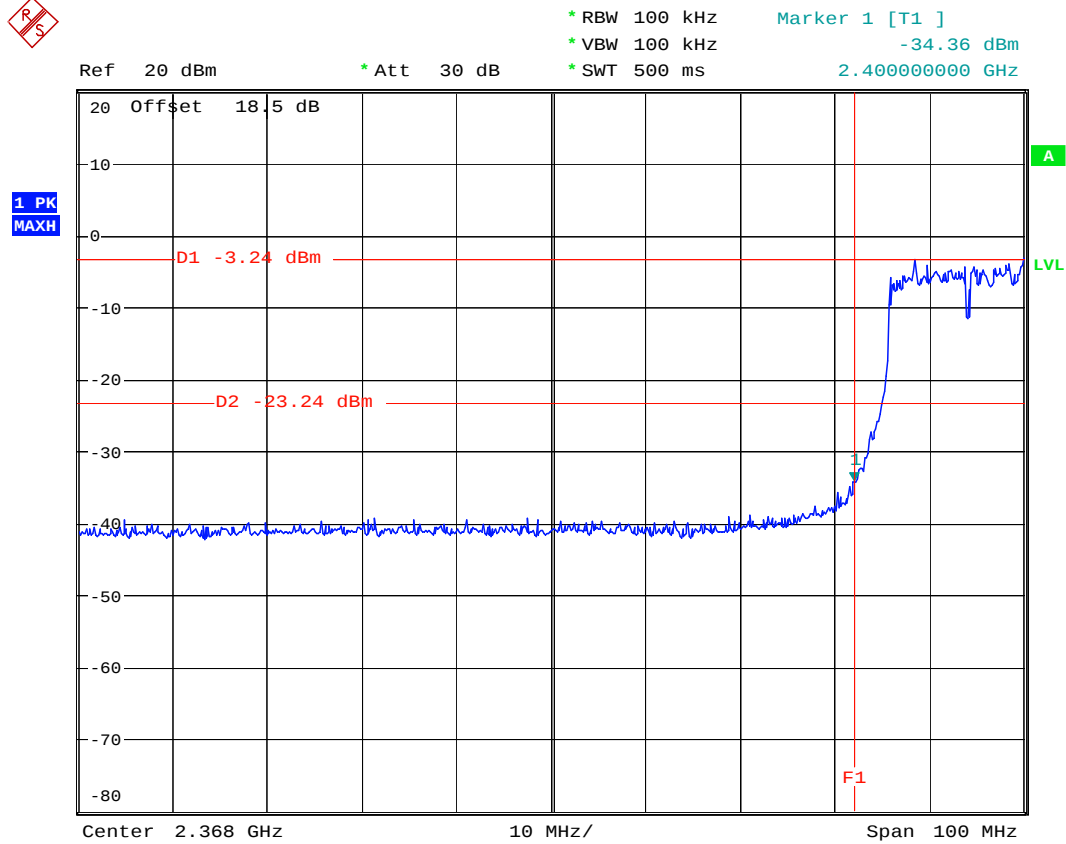


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WLAN 802.11g

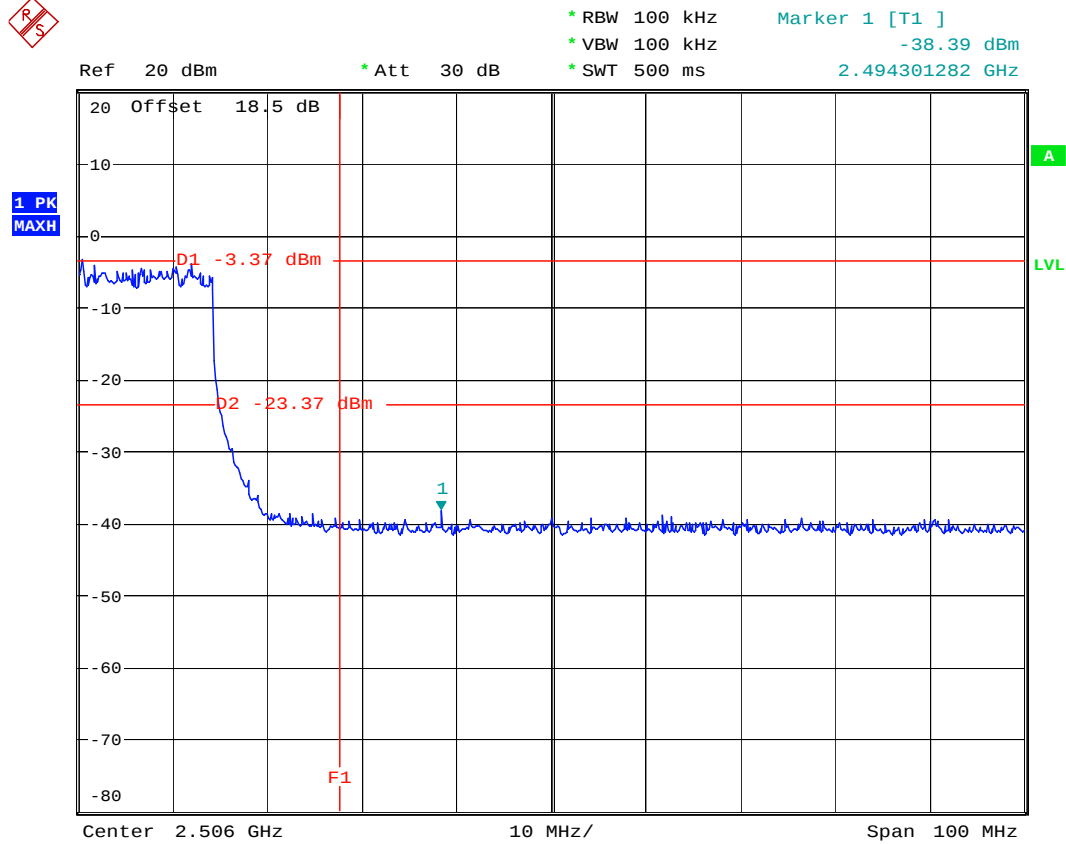
CH01



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CH11



Date: 18.APR.2007 23:53:01

5.5 Peak Output Power Measurement

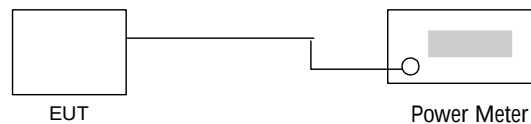
5.5.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.5.2 Test Procedure :

1. The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter for WLAN measurement. The power is equal to the reading level on power meter plus cable loss at the EUT antenna terminal.
2. The antenna port(RF output) of the EUT was connected to the input (RF input) of a spectrum analyzer for BT measurement. The cable loss has been offset before testing.

5.5.3 Test Setup Layout :



5.5.4 Test Result :

- Application Type : WLAN 802.11b/g
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Anderson

WLAN 802.11b

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	14.71	1W/30 dBm
06	2437	15.04	1W/30 dBm
11	2462	15	1W/30 dBm

WLAN 802.11g

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	15.97	1W/30 dBm
06	2437	16.2	1W/30 dBm
11	2462	16.21	1W/30 dBm



5.6 Conducted Emission

5.6.1 Measuring Instruments

As described in chapter 6 of this test Report.

5.6.2 Test Procedures :

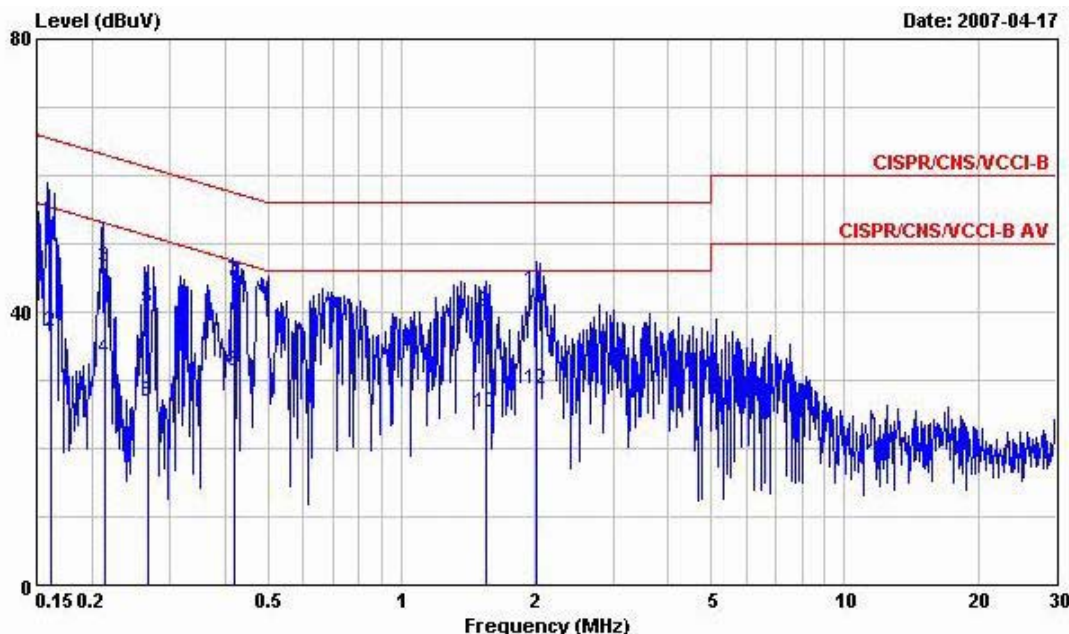
- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power port of a line impedance stabilization network (LISN).
- c. All the support units are connected to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.



5.6.3 Test Data

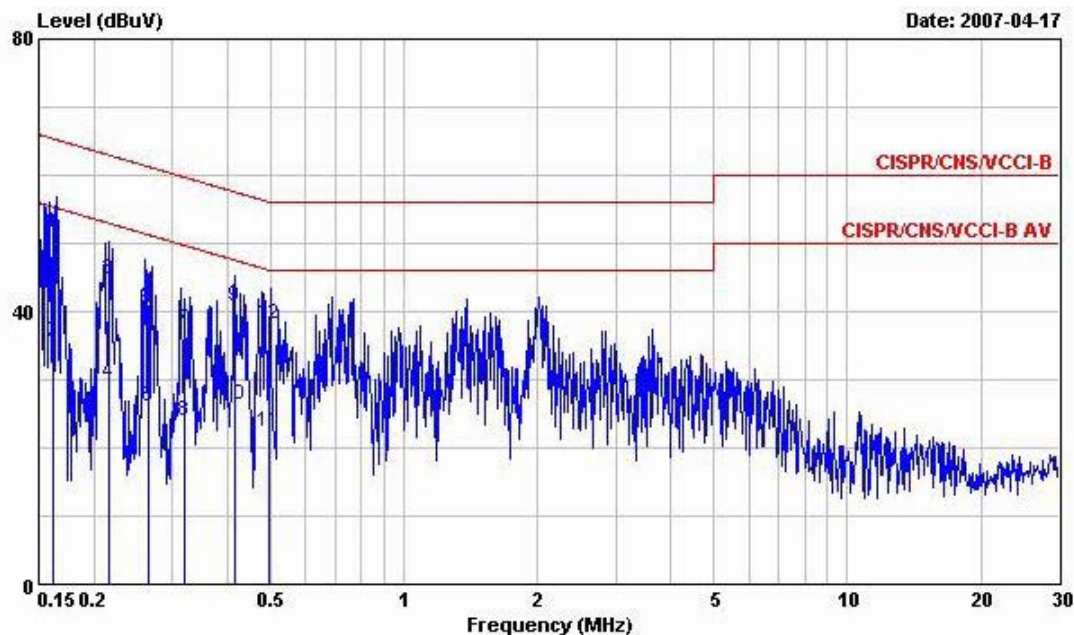
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Andrew
- Test Mode : Mode 1

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
Memo : Adaptor1+LCD A

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1618420	53.00	-12.37	65.37	52.25	0.10	0.65	QP
2	0.1618420	37.02	-18.35	55.37	36.27	0.10	0.65	Average
3	0.2140740	46.64	-16.41	63.05	46.04	0.10	0.50	QP
4	0.2140740	33.12	-19.93	53.05	32.52	0.10	0.50	Average
5	0.2672410	40.41	-20.79	61.20	39.85	0.10	0.46	QP
6	0.2672410	26.82	-24.38	51.20	26.26	0.10	0.46	Average
7	0.4186680	44.43	-13.04	57.47	43.89	0.10	0.44	QP
8	0.4186680	31.28	-16.19	47.47	30.74	0.10	0.44	Average
9	1.550	39.91	-16.09	56.00	39.31	0.10	0.50	QP
10	1.550	25.25	-20.75	46.00	24.65	0.10	0.50	Average
11	2.020	43.25	-12.75	56.00	42.65	0.10	0.50	QP
12	2.020	28.56	-17.44	46.00	27.96	0.10	0.50	Average

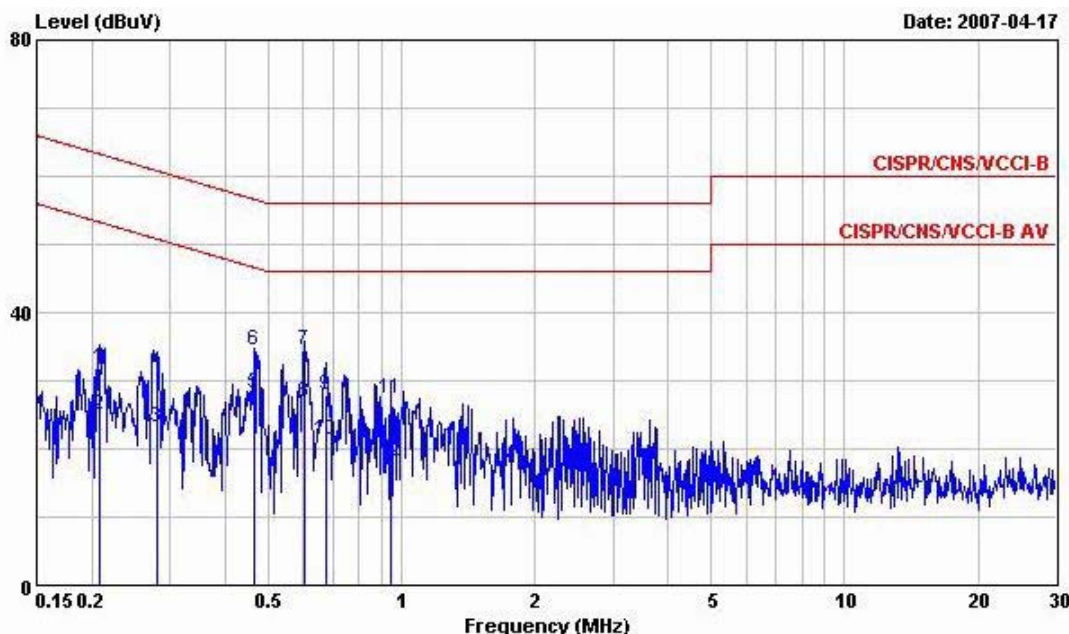


Site : C004-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
Memo : Adaptor1+LCD A

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1615980	51.60	-13.78	65.38	50.85	0.10	0.65	QP
2	0.1615980	35.59	-19.79	55.38	34.84	0.10	0.65	Average
3	0.2162030	44.69	-18.27	62.96	44.09	0.10	0.50	QP
4	0.2162030	29.60	-23.36	52.96	29.00	0.10	0.50	Average
5	0.2653450	41.15	-20.11	61.26	40.58	0.10	0.47	QP
6	0.2653450	26.03	-25.23	51.26	25.46	0.10	0.47	Average
7	0.3200360	37.46	-22.25	59.71	36.96	0.10	0.40	QP
8	0.3200360	23.91	-25.80	49.71	23.41	0.10	0.40	Average
9	0.4170520	40.85	-16.66	57.51	40.31	0.10	0.44	QP
10	0.4170520	26.41	-21.10	47.51	25.87	0.10	0.44	Average
11	0.4943230	22.37	-23.72	46.09	21.86	0.10	0.41	Average
12	0.4943230	38.25	-17.84	56.09	37.74	0.10	0.41	QP

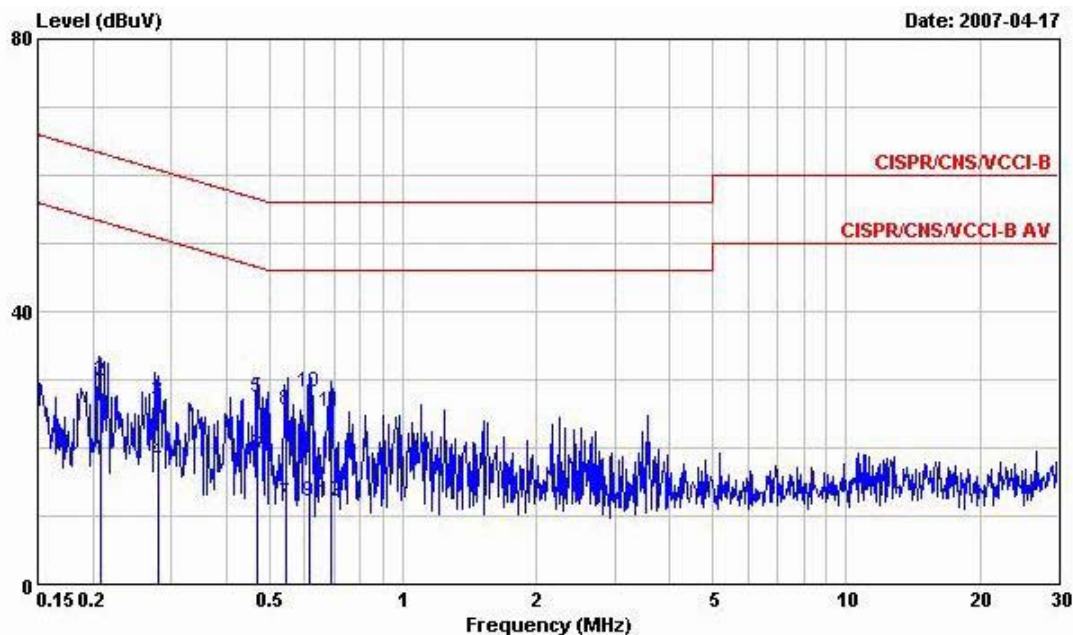
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Andrew
- Test Mode : Mode 2

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE
 EUT : PDA Phone
 POWER: 120Vac/60Hz
 Model : FD741601
 Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
 Memo : +Adaptor2+LCD A

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.2083320	31.83	-31.44	63.27	31.23	0.10	0.50	QP
2	0.2083320	24.93	-28.34	53.27	24.33	0.10	0.50	Average
3	0.2809630	23.07	-27.72	50.79	22.53	0.10	0.44	Average
4	0.2809630	31.28	-29.51	60.79	30.74	0.10	0.44	QP
5	0.4636720	28.14	-18.49	46.63	27.57	0.10	0.47	Average
6	0.4636720	34.36	-22.27	56.63	33.79	0.10	0.47	QP
7	0.6043130	34.39	-21.61	56.00	33.89	0.10	0.40	QP
8	0.6043130	26.76	-19.24	46.00	26.26	0.10	0.40	Average
9	0.6754350	27.77	-28.23	56.00	27.27	0.10	0.40	QP
10	0.6754350	21.35	-24.65	46.00	20.85	0.10	0.40	Average
11	0.9480900	27.30	-28.70	56.00	26.70	0.10	0.50	QP
12	0.9480900	18.04	-27.96	46.00	17.44	0.10	0.50	Average



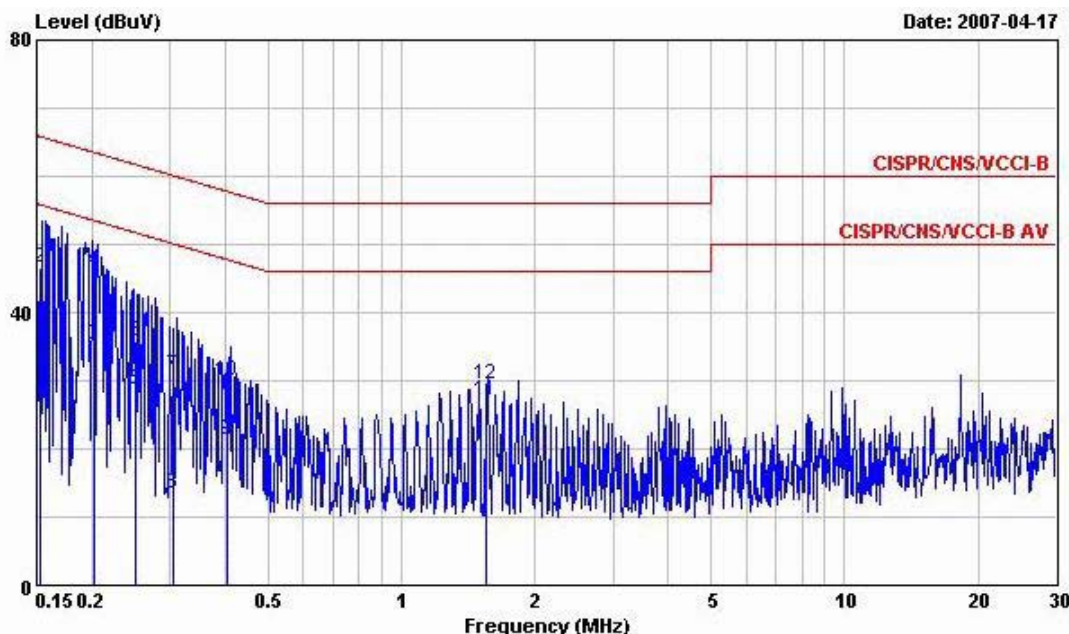
Site : C004-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
Memo : +Adaptor2+LCD A

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.2088460	18.22	-35.03	53.25	17.62	0.10	0.50	Average
2	0.2088460	29.63	-33.62	63.25	29.03	0.10	0.50	QP
3	0.2796930	26.87	-33.95	60.82	26.33	0.10	0.44	QP
4	0.2796930	17.87	-32.95	50.82	17.33	0.10	0.44	Average
5	0.4711010	27.28	-29.21	56.49	26.72	0.10	0.46	QP
6	0.4711010	18.83	-27.66	46.49	18.27	0.10	0.46	Average
7	0.5422610	11.79	-34.21	46.00	11.21	0.10	0.48	Average
8	0.5422610	25.49	-30.51	56.00	24.91	0.10	0.48	QP
9	0.6152760	12.03	-33.97	46.00	11.53	0.10	0.40	Average
10	0.6152760	28.08	-27.92	56.00	27.58	0.10	0.40	QP
11	0.6899030	25.33	-30.67	56.00	24.83	0.10	0.40	QP
12	0.6899030	12.03	-33.97	46.00	11.53	0.10	0.40	Average



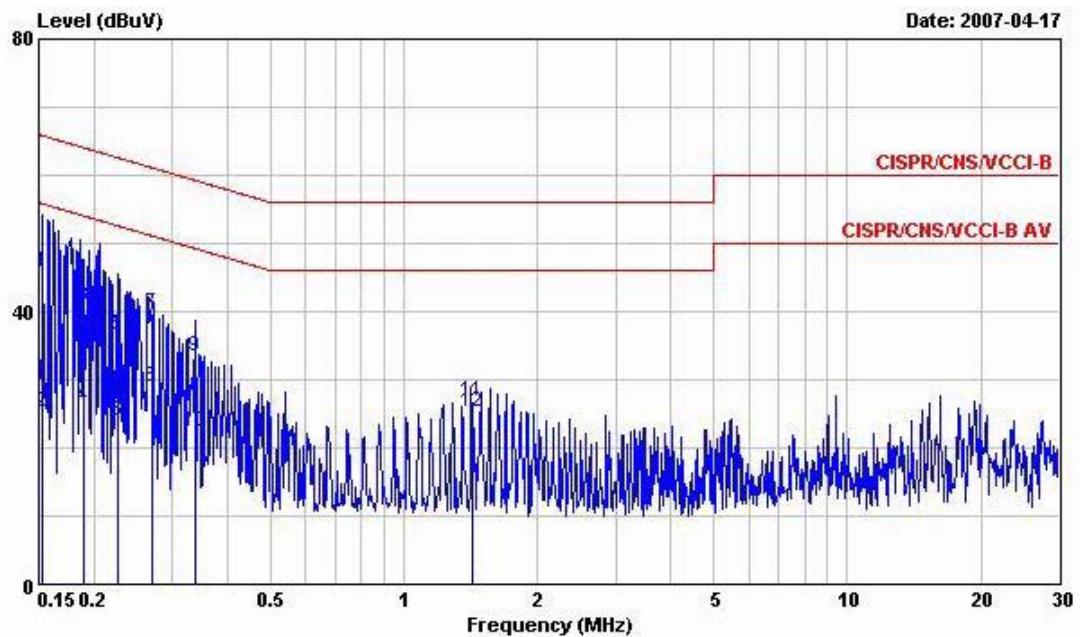
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Andrew
- Test Mode : Mode 3

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE
 EUT : PDA Phone
 POWER: 120Vac/60Hz
 Model : FD741601
 Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
 Memo : +USB Link+LCD A

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1526750	26.03	-29.82	55.85	25.24	0.10	0.69	Average
2	0.1526750	46.58	-19.27	65.85	45.79	0.10	0.69	QP
3	0.2022260	35.28	-18.24	53.52	34.68	0.10	0.50	Average
4	0.2022260	46.02	-17.50	63.52	45.42	0.10	0.50	QP
5	0.2503720	35.78	-25.96	61.74	35.18	0.10	0.50	QP
6	0.2503720	28.65	-23.09	51.74	28.05	0.10	0.50	Average
7	0.3042890	30.75	-29.37	60.12	30.25	0.10	0.40	QP
8	0.3042890	13.54	-36.58	50.12	13.04	0.10	0.40	Average
9	0.4054750	21.28	-26.46	47.74	20.77	0.10	0.41	Average
10	0.4054750	29.91	-27.83	57.74	29.40	0.10	0.41	QP
11	1.556	27.18	-18.82	46.00	26.58	0.10	0.50	Average
12	1.556	29.40	-26.60	56.00	28.80	0.10	0.50	QP

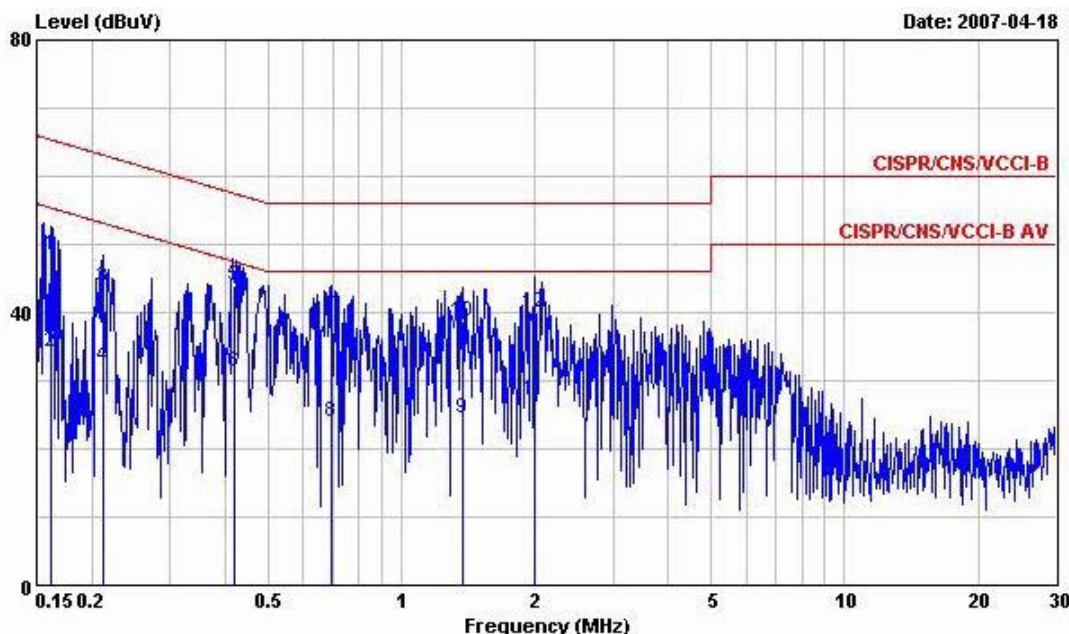


Site : C004-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
Memo : +USB Link+LCD A

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1535060	45.84	-19.97	65.81	45.06	0.10	0.68	QP
2	0.1535060	25.32	-30.49	55.81	24.54	0.10	0.68	Average
3	0.1892300	40.72	-23.35	64.07	40.08	0.10	0.54	QP
4	0.1892300	26.09	-27.98	54.07	25.45	0.10	0.54	Average
5	0.2255640	36.50	-26.11	62.61	35.90	0.10	0.50	QP
6	0.2255640	23.90	-28.71	52.61	23.30	0.10	0.50	Average
7	0.2695570	39.74	-21.39	61.13	39.18	0.10	0.46	QP
8	0.2695570	28.98	-22.15	51.13	28.42	0.10	0.46	Average
9	0.3391950	33.47	-25.75	59.22	32.97	0.10	0.40	QP
10	0.3391950	22.32	-26.90	49.22	21.82	0.10	0.40	Average
11	1.420	26.95	-29.05	56.00	26.35	0.10	0.50	QP
12	1.420	25.36	-20.64	46.00	24.76	0.10	0.50	Average

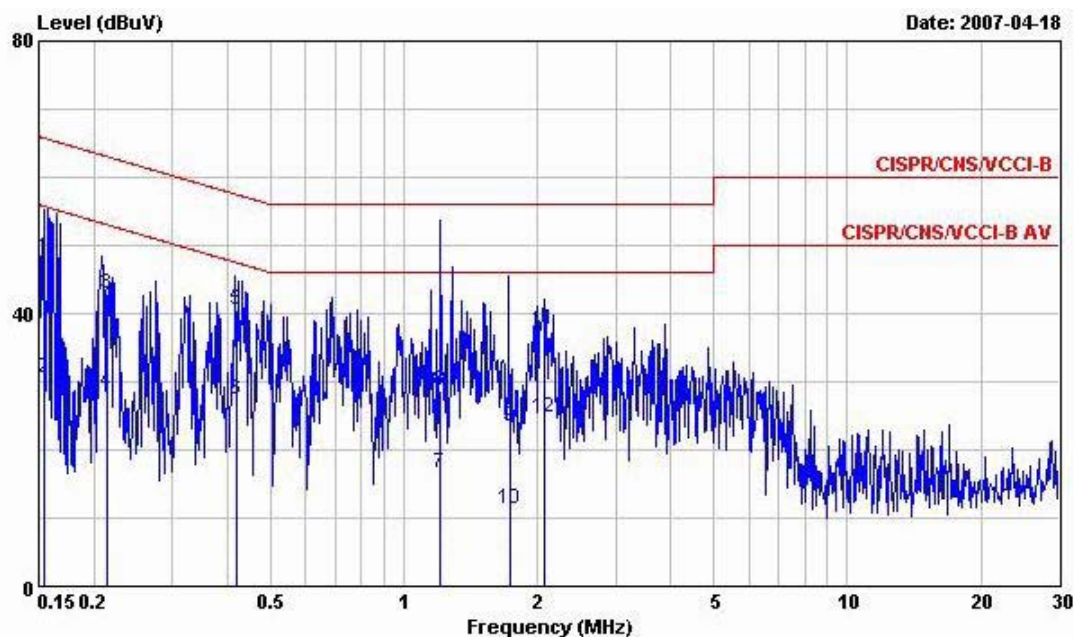
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Andrew
- Test Mode : Mode 4

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE
 EUT : PDA Phone
 POWER: 120Vac/60Hz
 Model : FD741601
 Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
 Memo : Adaptor1+LCD B

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1611780	48.40	-17.00	65.40	47.65	0.10	0.65	QP
2	0.1611780	34.24	-21.16	55.40	33.49	0.10	0.65	Average
3	0.2116700	43.59	-19.55	63.14	42.99	0.10	0.50	QP
4	0.2116700	32.05	-21.09	53.14	31.45	0.10	0.50	Average
5	0.4191680	44.02	-13.44	57.46	43.48	0.10	0.44	QP
6	0.4191680	31.22	-16.24	47.46	30.68	0.10	0.44	Average
7	0.6935680	39.52	-16.48	56.00	39.02	0.10	0.40	QP
8	0.6935680	23.89	-22.11	46.00	23.39	0.10	0.40	Average
9	1.370	24.44	-21.56	46.00	23.84	0.10	0.50	Average
10	1.370	38.63	-17.37	56.00	38.03	0.10	0.50	QP
11	1.990	27.16	-18.84	46.00	26.56	0.10	0.50	Average
12	1.990	39.94	-16.06	56.00	39.34	0.10	0.50	QP

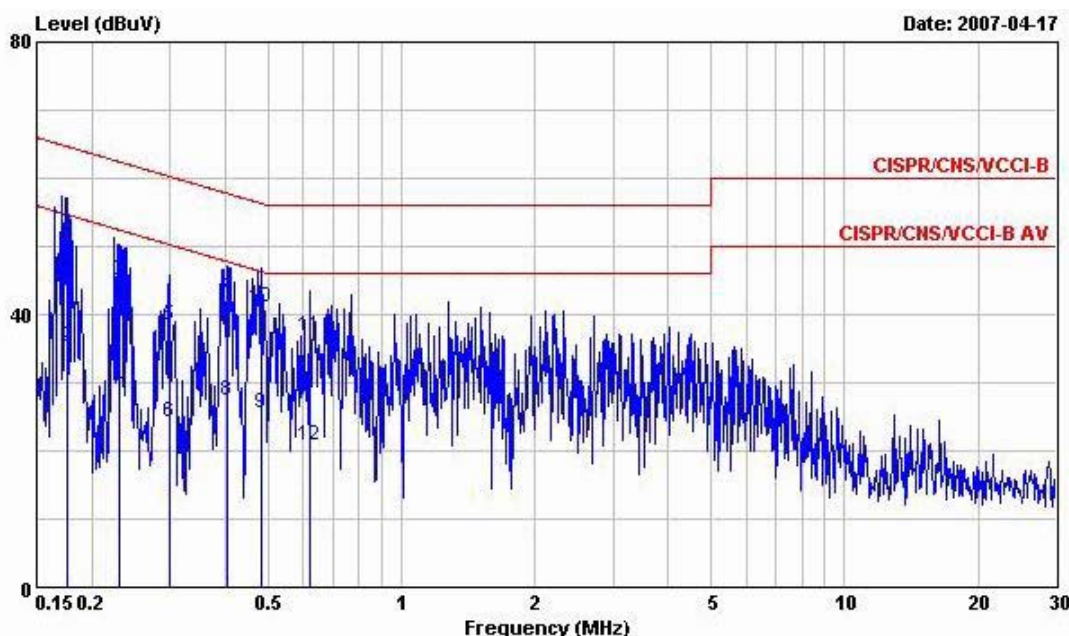


Site : C004-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
Memo : Adaptor1+LCD B

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1540270	48.05	-17.73	65.78	47.27	0.10	0.68	QP
2	0.1540270	30.59	-25.19	55.78	29.81	0.10	0.68	Average
3	0.2136320	42.94	-20.12	63.06	42.34	0.10	0.50	QP
4	0.2136320	28.52	-24.54	53.06	27.92	0.10	0.50	Average
5	0.4185320	40.61	-16.87	57.48	40.07	0.10	0.44	QP
6	0.4185320	27.28	-20.20	47.48	26.74	0.10	0.44	Average
7	1.210	16.70	-29.30	46.00	16.10	0.10	0.50	Average
8	1.210	28.78	-27.22	56.00	28.18	0.10	0.50	QP
9	1.730	23.29	-32.71	56.00	22.69	0.10	0.50	QP
10	1.730	11.43	-34.57	46.00	10.83	0.10	0.50	Average
11	2.070	37.72	-18.28	56.00	37.11	0.10	0.51	QP
12	2.070	24.81	-21.19	46.00	24.20	0.10	0.51	Average

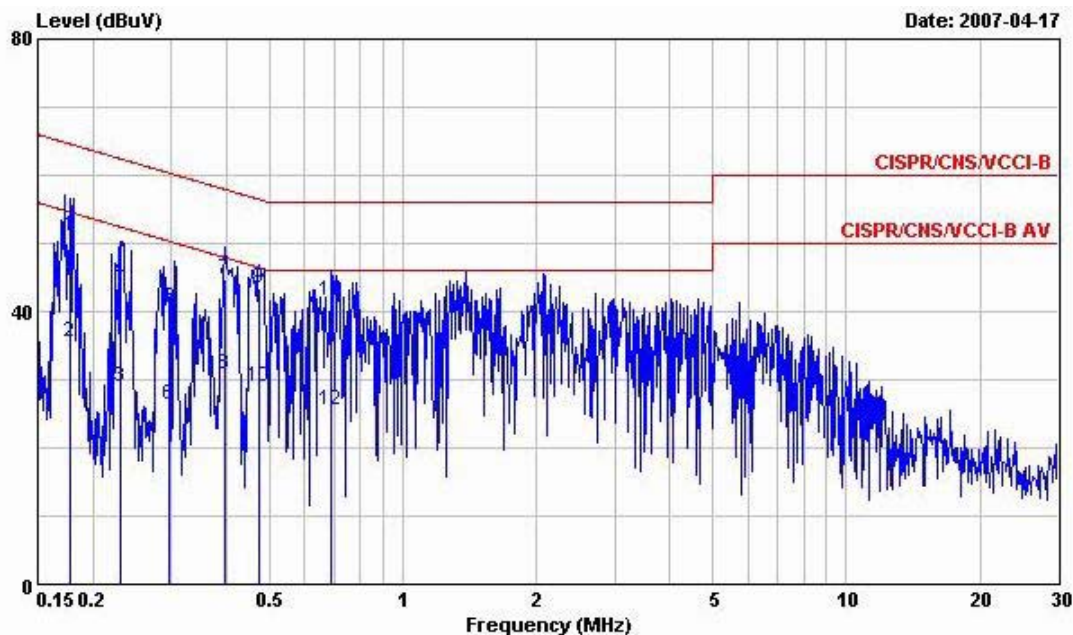
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Andrew
- Test Mode : Mode 5

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE
 EUT : PDA Phone
 POWER: 120Vac/60Hz
 Model : FD741601
 Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
 Memo : Adaptor1+LCD C

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1752050	52.15	-12.56	64.71	51.46	0.10	0.59	QP
2	0.1752050	35.35	-19.36	54.71	34.66	0.10	0.59	Average
3	0.2307330	44.99	-17.43	62.42	44.39	0.10	0.50	QP
4	0.2307330	29.18	-23.24	52.42	28.58	0.10	0.50	Average
5	0.2986930	38.46	-21.82	60.28	37.96	0.10	0.40	QP
6	0.2986930	24.18	-26.10	50.28	23.68	0.10	0.40	Average
7	0.4040020	42.33	-15.44	57.77	41.82	0.10	0.41	QP
8	0.4040020	27.27	-20.50	47.77	26.76	0.10	0.41	Average
9	0.4811910	25.58	-20.74	46.32	25.05	0.10	0.43	Average
10	0.4811910	40.94	-15.38	56.32	40.41	0.10	0.43	QP
11	0.6205370	36.86	-19.14	56.00	36.36	0.10	0.40	QP
12	0.6205370	20.78	-25.22	46.00	20.28	0.10	0.40	Average



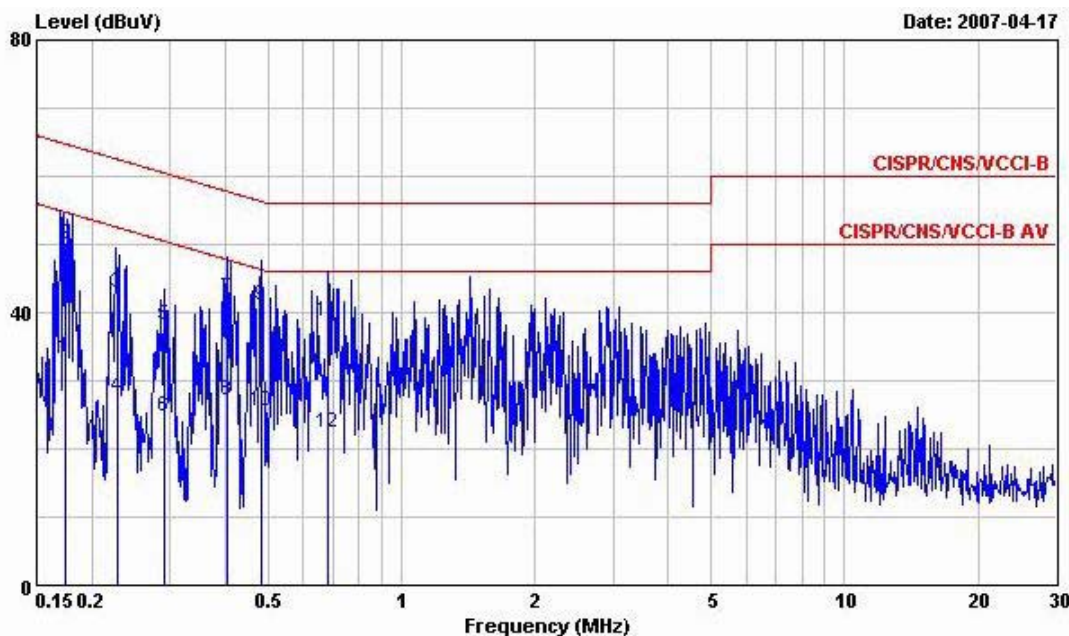
Site : C004-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA850 Idle+BT Link+WLAN Link+Camera+MPEG4
Memo : Adaptor1+LCD C

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1772240	51.15	-13.46	64.61	50.47	0.10	0.58	QP
2	0.1772240	35.50	-19.11	54.61	34.82	0.10	0.58	Average
3	0.2316200	28.84	-23.55	52.39	28.24	0.10	0.50	Average
4	0.2316200	44.37	-18.02	62.39	43.77	0.10	0.50	QP
5	0.2958410	40.53	-19.83	60.36	40.02	0.10	0.41	QP
6	0.2958410	26.38	-23.98	50.36	25.87	0.10	0.41	Average
7	@0.3976320	44.65	-13.25	57.90	44.15	0.10	0.40	QP
8	0.3976320	30.72	-17.18	47.90	30.22	0.10	0.40	Average
9	@0.4736030	43.50	-12.95	56.45	42.95	0.10	0.45	QP
10	0.4736030	29.04	-17.41	46.45	28.49	0.10	0.45	Average
11	0.6899030	41.54	-14.46	56.00	41.04	0.10	0.40	QP
12	0.6899030	25.46	-20.54	46.00	24.96	0.10	0.40	Average



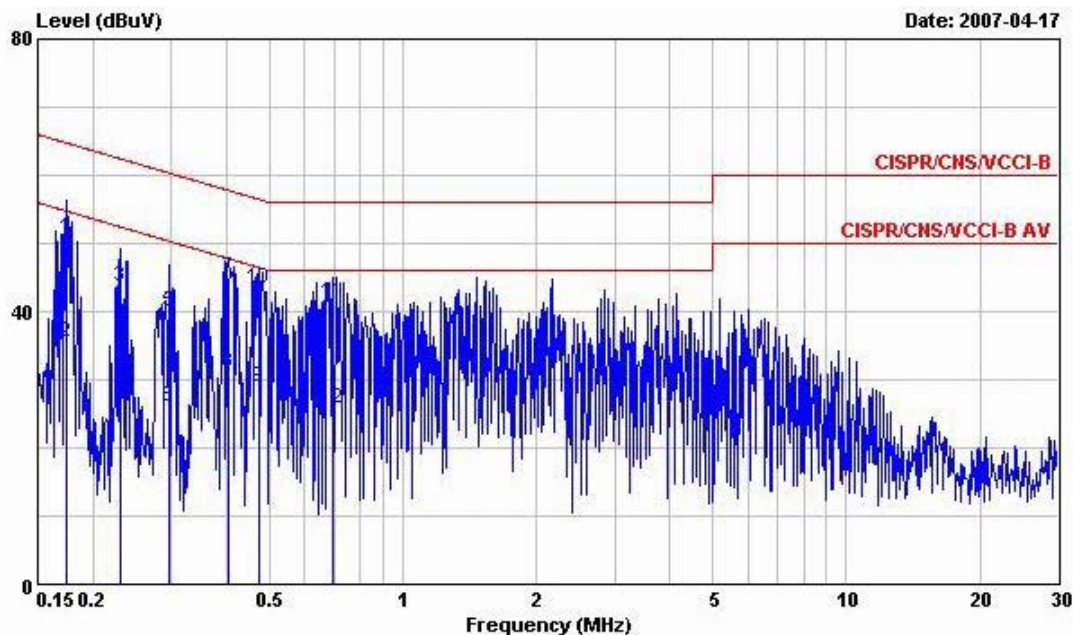
- Temperature : 26°C
- Relative Humidity : 54%
- Test Enginner : Andrew
- Test Mode : Mode 6

■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA1900 Idle+BT Idle+Camera+MPEG4+
Memo : Adaptor1+LCD C

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1745300	33.41	-21.33	54.74	32.72	0.10	0.59	Average
2	0.1745300	50.02	-14.72	64.74	49.33	0.10	0.59	QP
3	0.2293840	42.79	-19.68	62.47	42.19	0.10	0.50	QP
4	0.2293840	27.53	-24.94	52.47	26.93	0.10	0.50	Average
5	0.2908840	38.09	-22.41	60.50	37.57	0.10	0.42	QP
6	0.2908840	24.85	-25.65	50.50	24.33	0.10	0.42	Average
7	0.4040020	42.08	-15.69	57.77	41.57	0.10	0.41	QP
8	0.4040020	27.01	-20.76	47.77	26.50	0.10	0.41	Average
9	0.4811910	40.94	-15.38	56.32	40.41	0.10	0.43	QP
10	0.4811910	25.58	-20.74	46.32	25.05	0.10	0.43	Average
11	0.6826310	38.67	-17.33	56.00	38.17	0.10	0.40	QP
12	0.6826310	22.44	-23.56	46.00	21.94	0.10	0.40	Average



Site : C004-HY
Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL
EUT : PDA Phone
POWER: 120Vac/60Hz
Model : FD741601
Memo : CDMA1900 Idle+BT Idle+Camera+MPEG4+
Memo : Adaptor1+LCD C

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1749130	50.91	-13.81	64.72	50.22	0.10	0.59	QP
2	0.1749130	35.60	-19.12	54.72	34.91	0.10	0.59	Average
3	0.2316200	43.69	-18.70	62.39	43.09	0.10	0.50	QP
4	0.2316200	28.34	-24.05	52.39	27.74	0.10	0.50	Average
5	0.2971150	40.01	-20.31	60.32	39.51	0.10	0.40	QP
6	0.2971150	25.97	-24.35	50.32	25.47	0.10	0.40	Average
7	@0.4040020	44.89	-12.88	57.77	44.38	0.10	0.41	QP
8	0.4040020	30.93	-16.84	47.77	30.42	0.10	0.41	Average
9	0.4736030	29.04	-17.41	46.45	28.49	0.10	0.45	Average
10	@0.4736030	43.50	-12.95	56.45	42.95	0.10	0.45	QP
11	0.6972520	41.44	-14.56	56.00	40.94	0.10	0.40	QP
12	0.6972520	25.78	-20.22	46.00	25.28	0.10	0.40	Average



5.7 Radiated Emission Measurement

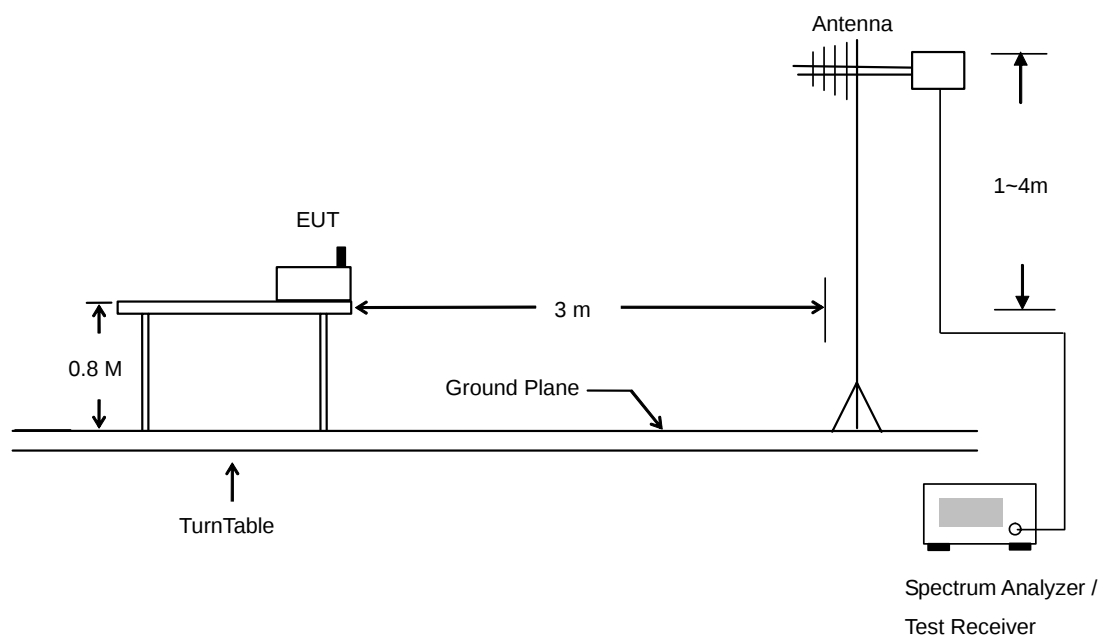
5.7.1 Measuring Instruments

As described in chapter 6 of this Report.

5.7.2 Test Procedures

- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- e. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. For testing below 1GHz, If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

5.7.3 Typical Test Setup Layout of Radiated Emission

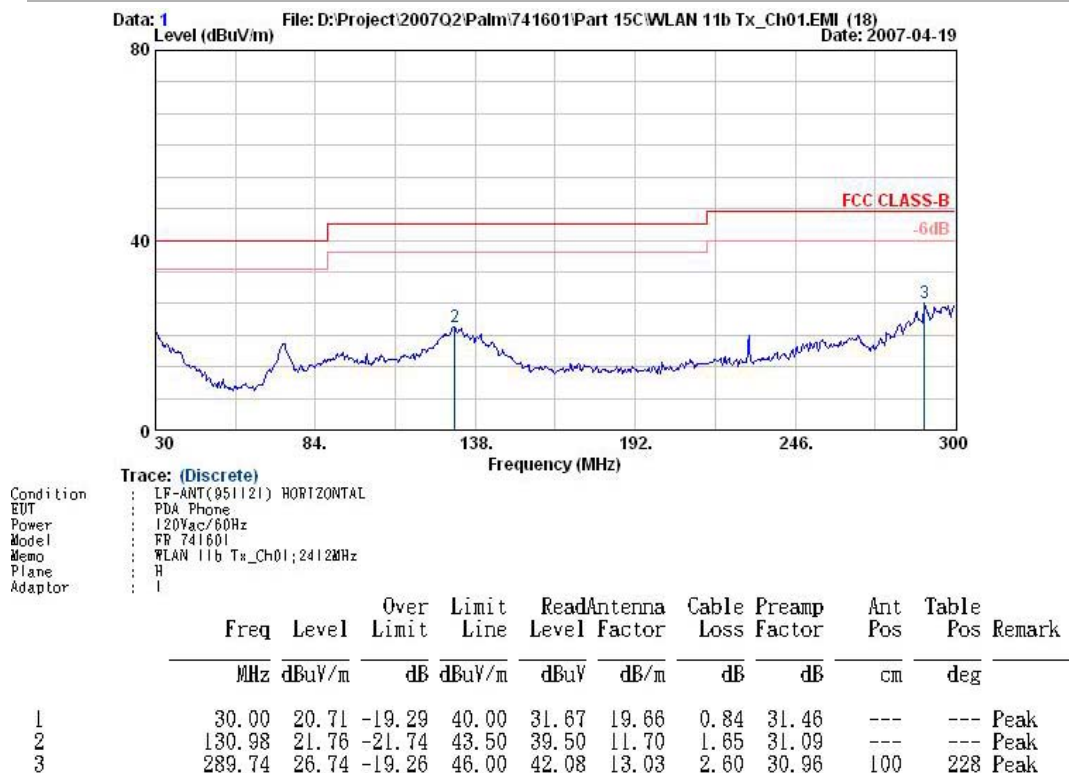




5.7.4 Test Data

- Temperature : 24°C
- Relative Humidity : 54%
- Test Enginner : Andrew
- Test Mode : Mode 1
- Polarization : Horizontal

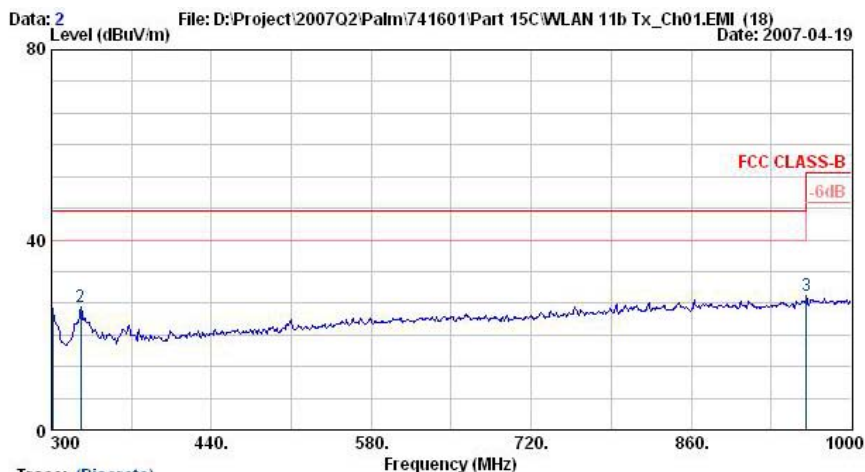
■ The test that passed at minimum margin was marked by the frame in the following table.





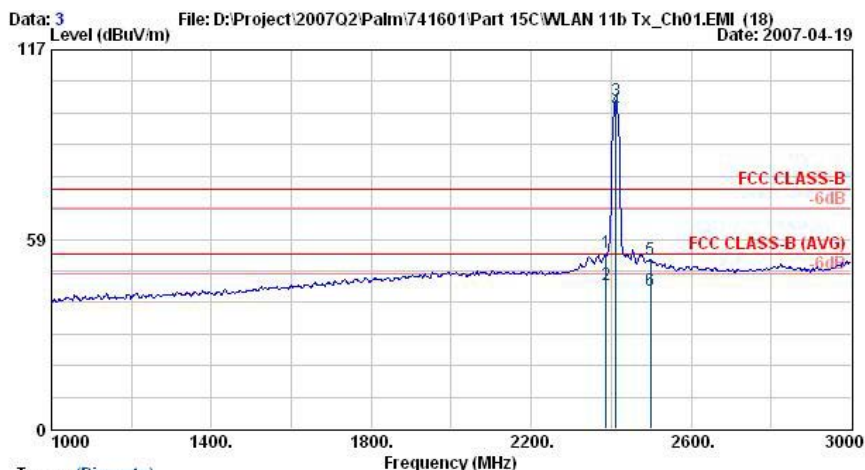
FCC/IC TEST REPORT

Report No. : FR741601A



Trace: (Discrete)
: LF-ANT(951121) HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	300.70	25.43	-20.57	46.00	40.49	13.23	2.64	30.93	---	Peak
2	325.90	25.77	-20.23	46.00	40.01	13.88	2.79	30.91	---	Peak
3	960.80	28.17	-25.83	54.00	32.48	20.96	5.00	30.28	---	Peak



Trace: (Discrete)
: HF-ANT-060410 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2386.96	54.44	-19.56	74.00	55.90	30.24	3.73	35.44	100	0 Peak
2 @	2386.96	44.57	-9.43	54.00	46.00	30.26	3.75	35.44	100	167 Average
3 @	2412.00	101.38			102.80	30.27	3.77	35.46	100	0 Peak
4 @	2412.00	98.26			99.68	30.27	3.77	35.46	100	167 Average
5	2498.00	52.12	-21.88	74.00	53.47	30.30	3.88	35.53	100	0 Peak
6	2498.00	42.77	-11.23	54.00	44.12	30.30	3.88	35.53	100	167 Average

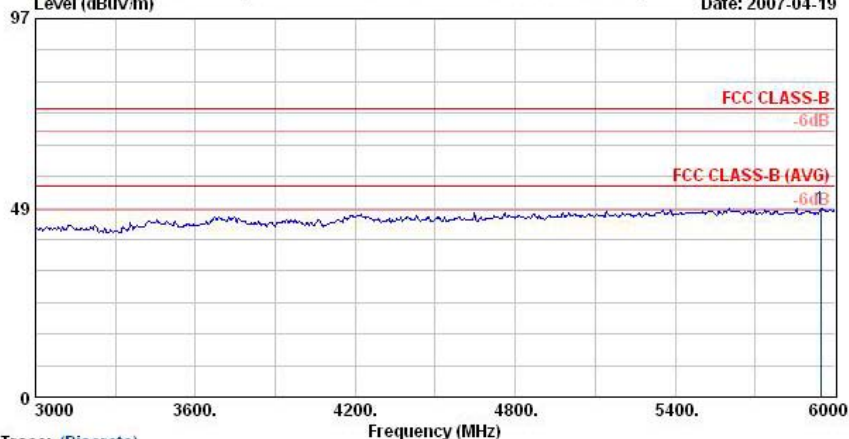
Remark: #3 and #4 Fundamental Signal



FCC/IC TEST REPORT

Report No. : FR741601A

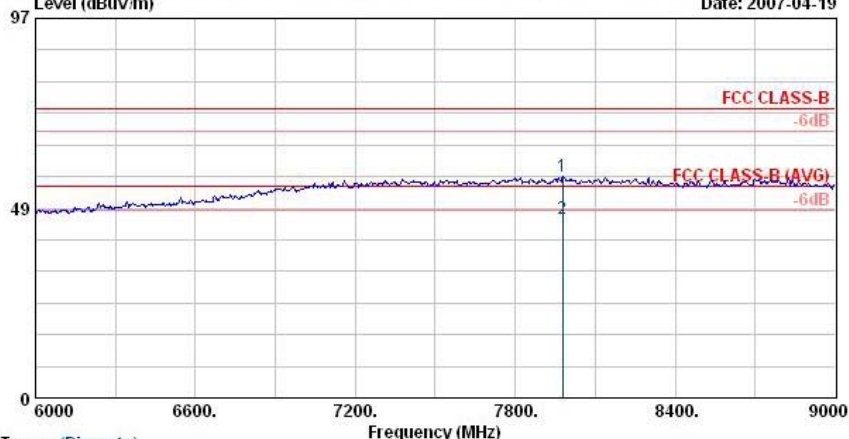
Data: 4 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19



Trace: (Discrete)
Condition : HF-ANT-060410 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	5946.00	48.41	-25.59	74.00	43.14	34.05	6.93	35.71	---	---
										Peak

Data: 5 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19



Trace: (Discrete)
Condition : HF-ANT-060410 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

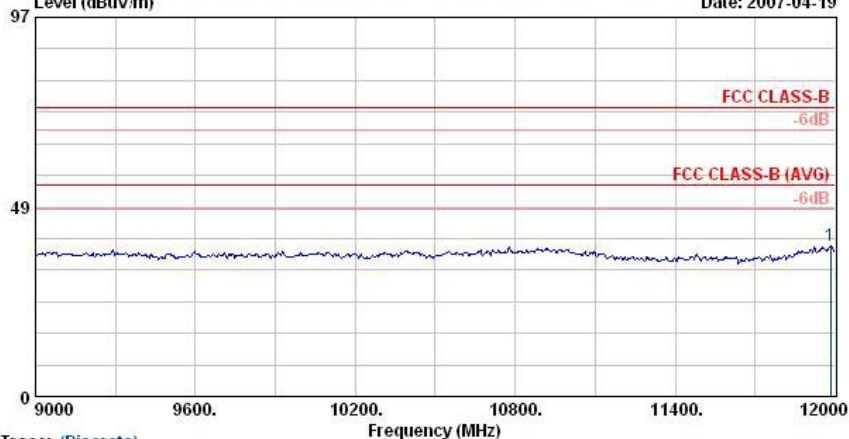
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	7977.00	56.52	-17.48	74.00	45.03	39.55	7.78	35.85	---	---
2 @	7977.00	45.69	-8.31	54.00	34.20	39.55	7.78	35.85	100	165
										Peak
										Average



FCC/IC TEST REPORT

Report No. : FR741601A

Data: 6 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19

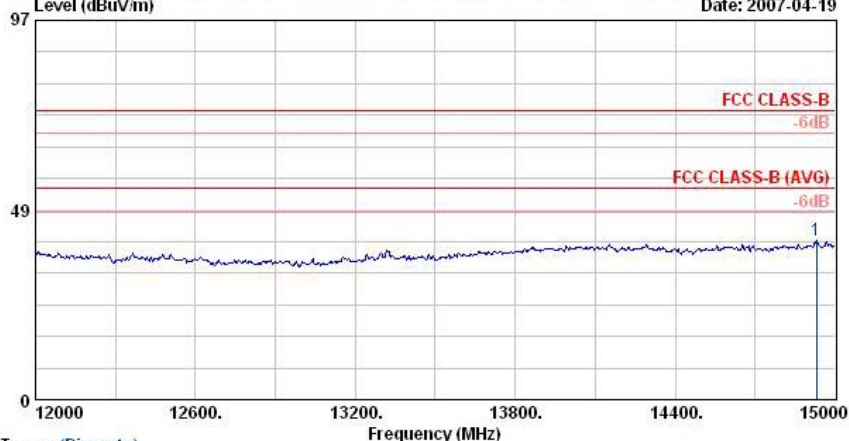


Trace: (Discrete)
Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	11982.00	38.50	-35.50	74.00	74.14	-9.69	10.63	36.58	---	---

Peak

Data: 7 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19



Trace: (Discrete)
Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	14931.00	40.60	-33.40	74.00	71.48	-6.26	11.32	35.95	---	---

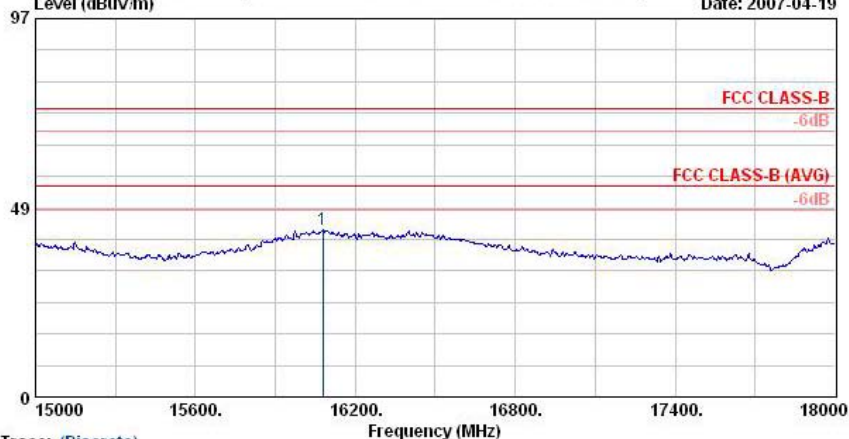
Peak



FCC/IC TEST REPORT

Report No. : FR741601A

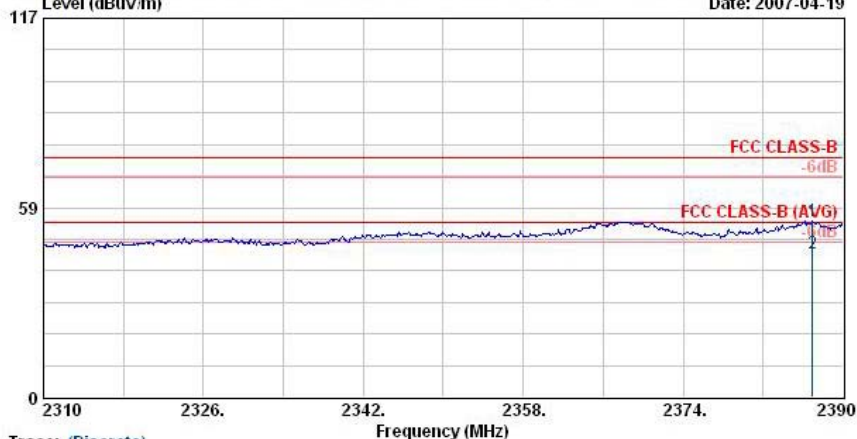
Data: 8 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19



Trace: (Discrete)
: HF-ANT(8-18)-060918 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	16077.00	42.80	-31.20	74.00	71.44	-4.89	11.79	35.53	---	---
										Peak

Data: 17 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19



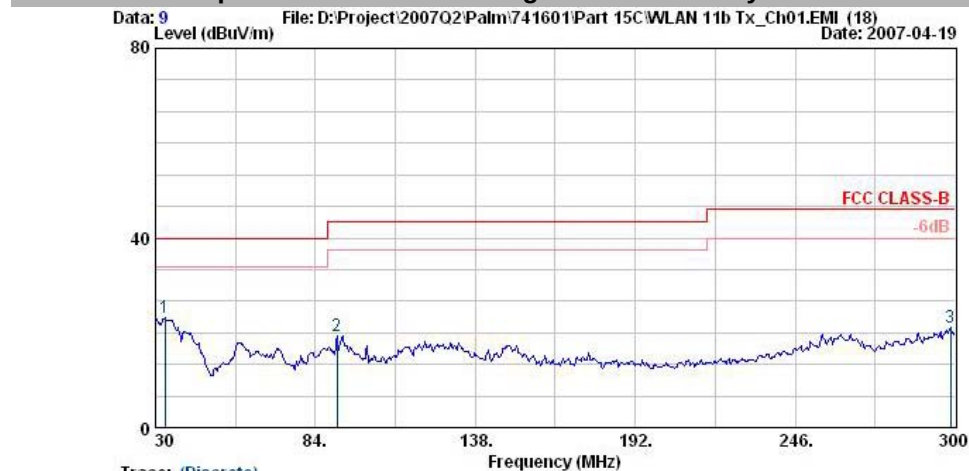
Trace: (Discrete)
: HF-ANT-D60410 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2386.96	54.44	-19.56	74.00	55.87	30.26	3.75	35.44	100	0
2 @	2386.96	44.57	-9.43	54.00	46.00	30.26	3.75	35.44	100	167
										Peak
										Average



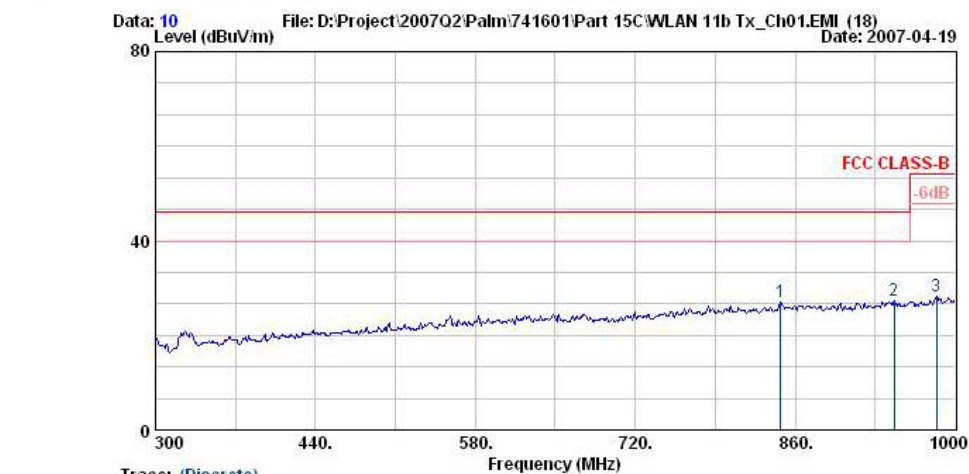
- Polarization : Vertical

■ The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)
: LF-ANT(951121) VERTICAL
: PDA Phone
: 120Vac/60Hz
: FR 741601
: WLAN 11b Tx_Ch01;2412MHz
: H
: I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Loss	Factor	Pos	Pos	Remark
					dBuV	dB/m	dB	cm	deg	
1	33.24	23.12	-16.88	40.00	36.07	17.54	0.86	31.36	100	200 Peak
2	91.29	19.41	-24.09	43.50	39.98	9.23	1.33	31.12	---	---
3	298.38	21.02	-24.98	46.00	36.13	13.19	2.63	30.94	---	---



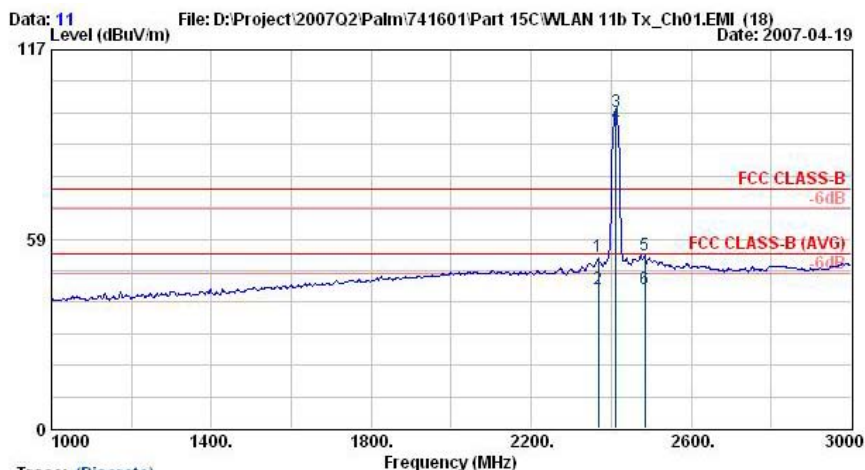
Trace: (Discrete)
: LF-ANT(951121) VERTICAL
: PDA Phone
: 120Vac/60Hz
: FR 741601
: WLAN 11b Tx_Ch01;2412MHz
: H
: I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Loss	Factor	Pos	Pos	Remark
					dBuV	dB/m	dB	cm	deg	
1	847.40	27.18	-18.82	46.00	32.80	20.16	4.65	30.43	---	---
2	946.80	27.44	-18.56	46.00	31.91	20.86	4.95	30.29	---	---
3	983.90	28.35	-25.65	54.00	32.42	21.12	5.08	30.27	---	---



FCC/IC TEST REPORT

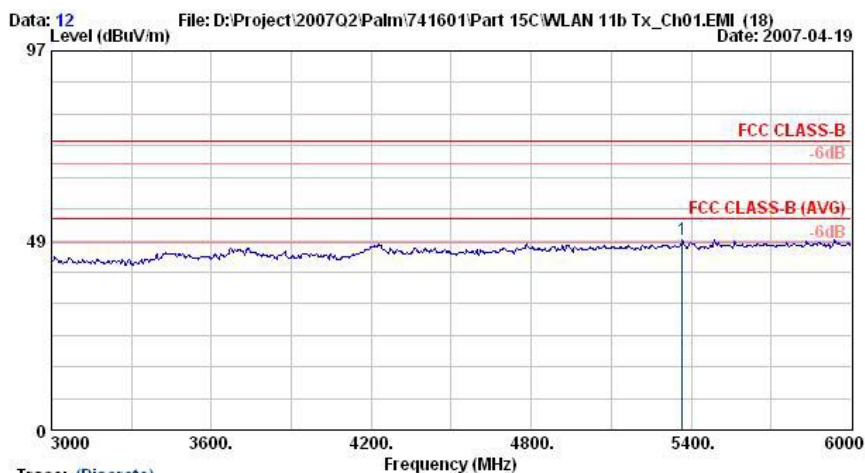
Report No. : FR741601A



Trace: (Discrete)
: HF-ANT-060410 VERTICAL
: PDA Phone
: 120Vac/60Hz
: FR 741601
: WLAN 11b Tx_Ch01;2412MHz
: H
: I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2367.76	53.25	-20.75	74.00	54.71	30.24	3.73	35.44	100	0 Peak
2 @	2367.76	43.10	-10.90	54.00	44.56	30.24	3.73	35.44	100	106 Average
3 @	2412.00	97.84			99.26	30.27	3.77	35.46	100	0 Peak
4 @	2412.00	93.98			95.40	30.27	3.77	35.46	100	106 Average
5	2484.00	53.55	-20.45	74.00	54.91	30.29	3.86	35.51	100	0 Peak
6	2484.00	42.95	-11.05	54.00	44.31	30.29	3.86	35.51	100	106 Average

Remark: #3 and #4 Fundamental Signal



Trace: (Discrete)
: HF-ANT-060410 VERTICAL
: PDA Phone
: 120Vac/60Hz
: FR 741601
: WLAN 11b Tx_Ch01;2412MHz
: H
: I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	5367.00	48.73	-25.27	74.00	44.58	33.60	6.63	36.08	---	---

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : O8F-715

IC ID : 3905A-715

Page No. : 55 of 112

Report Issued Date : Jun. 20, 2007

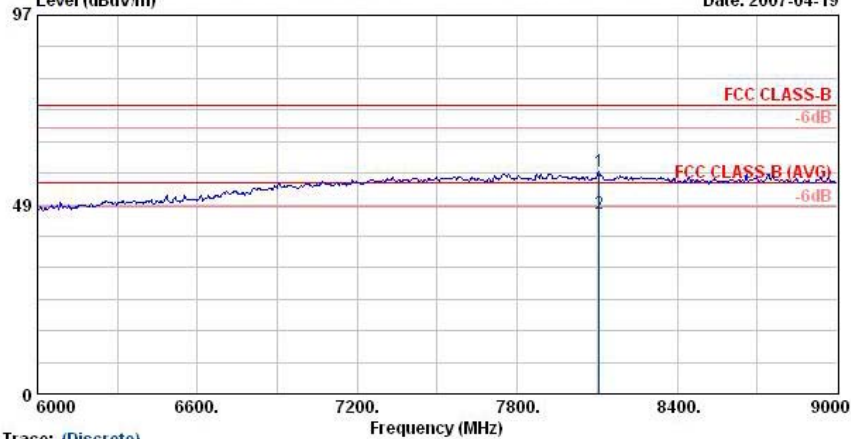
Report Version : Rev. 01



FCC/IC TEST REPORT

Report No. : FR741601A

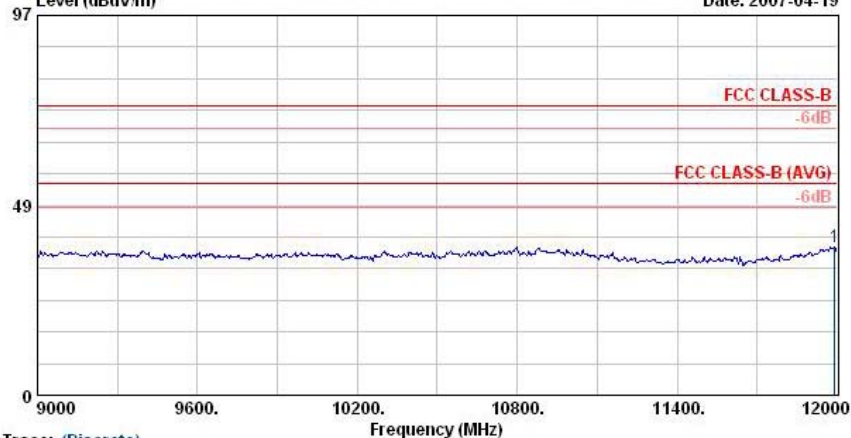
Data: 13 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19



Trace: (Discrete)
Condition : HF-ANT-060410 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm deg
1	8106.00	56.79	-17.21	74.00	45.28	39.52	7.91	35.91	--- --- Peak
2 @	8106.00	46.17	-7.83	54.00	34.65	39.52	7.91	35.91	100 330 Average

Data: 14 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19



Trace: (Discrete)
Condition : HF-ANT(8-16)-060918 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm deg
1	11991.00	37.98	-36.02	74.00	73.58	-9.64	10.63	36.58	--- --- Peak

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : O8F-715

IC ID : 3905A-715

Page No. : 56 of 112

Report Issued Date : Jun. 20, 2007

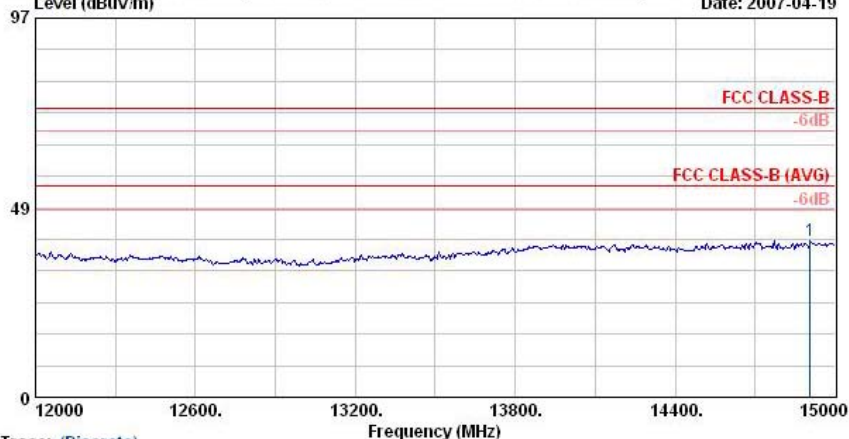
Report Version : Rev. 01



FCC/IC TEST REPORT

Report No. : FR741601A

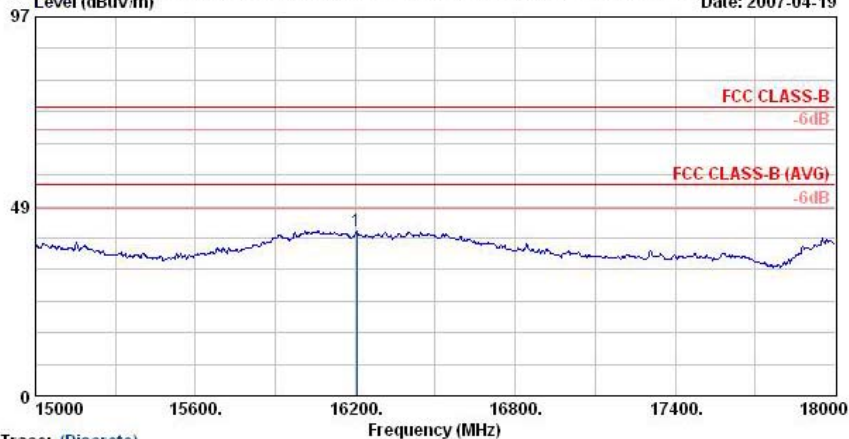
Data: 15 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19
Level (dBuV/m)



Trace: (Discrete)
: HF-ANT(8-18)-060918 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Demo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	14907.00	40.02	-33.98	74.00	70.87	-6.27	11.34	35.93	---	---
										Peak

Data: 16 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch01.EMI (18) Date: 2007-04-19
Level (dBuV/m)



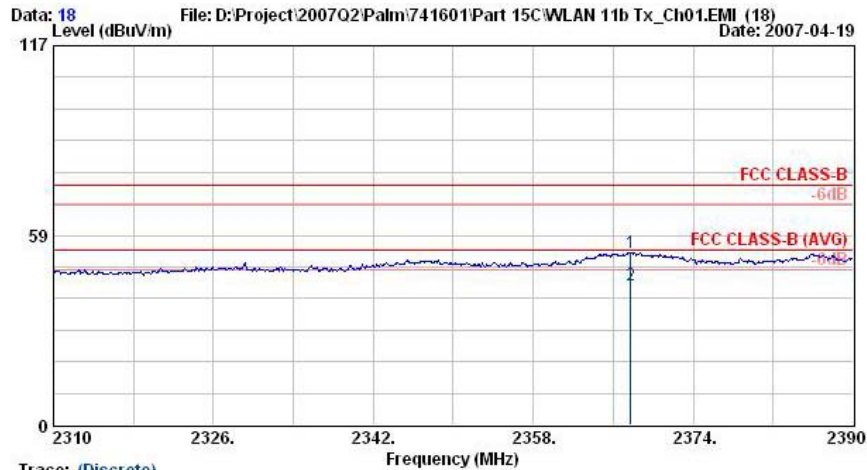
Trace: (Discrete)
: HF-ANT(8-18)-060918 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Demo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	16206.00	42.20	-31.80	74.00	70.94	-6.50	11.81	34.06	---	---
										Peak



FCC/IC TEST REPORT

Report No. : FR741601A



Trace: (Discrete)
Condition : HF-ANT-060410 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch01;2412MHz
Plane : H
Adaptor : I

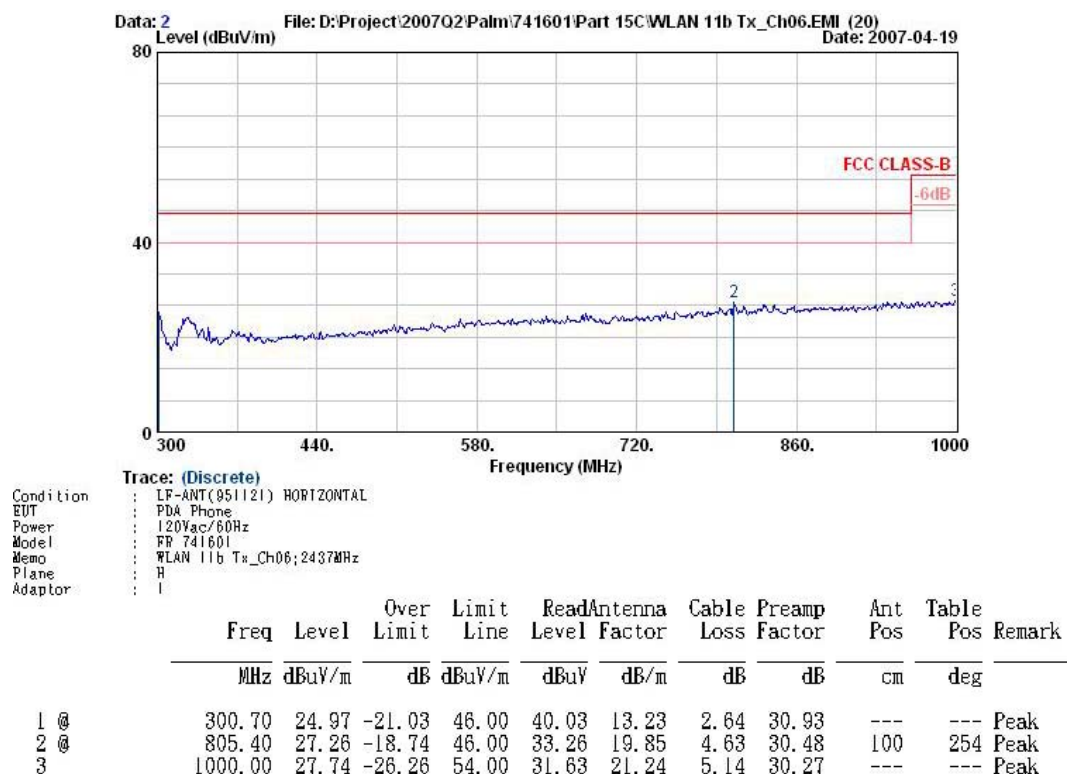
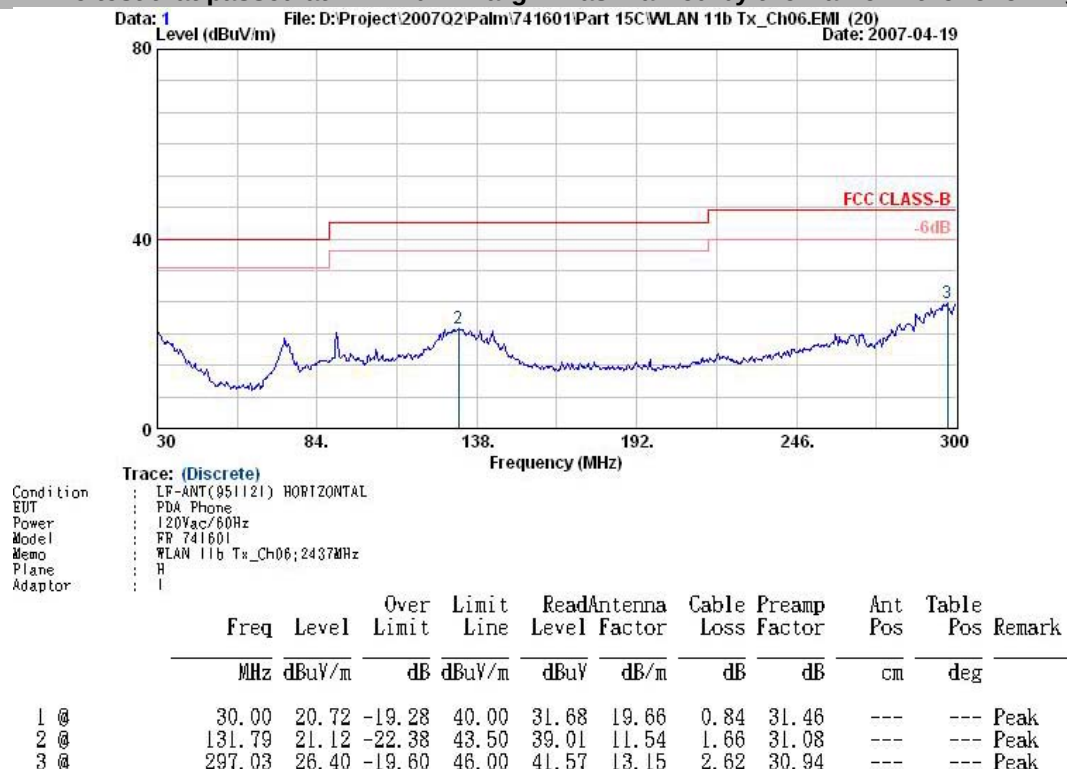
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2367.76	53.25	-20.75	74.00	54.72	30.24	3.73	35.44	100	0	Peak
2 @	2367.76	43.10	-10.90	54.00	44.56	30.24	3.73	35.44	100	106	Average

Remark: There is no more obvious spurious emission except the listings above.



- Test Mode : Mode 2
- Polarization : Horizontal

■ The test that passed at minimum margin was marked by the frame in the following table.

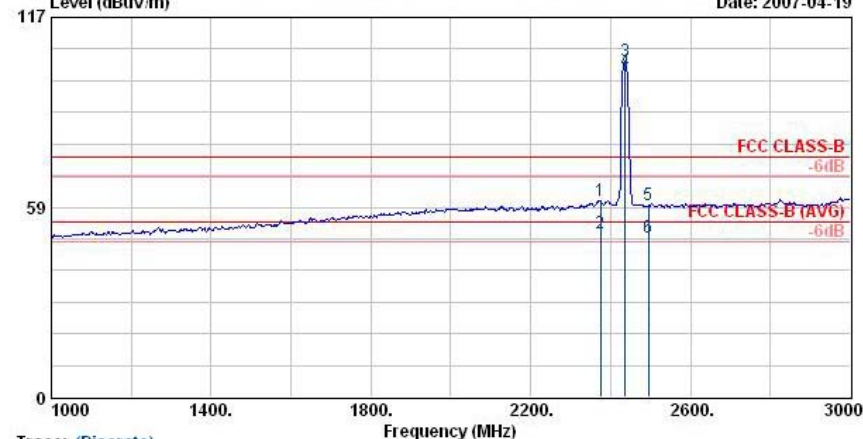




FCC/IC TEST REPORT

Report No. : FR741601A

Data: 3 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19

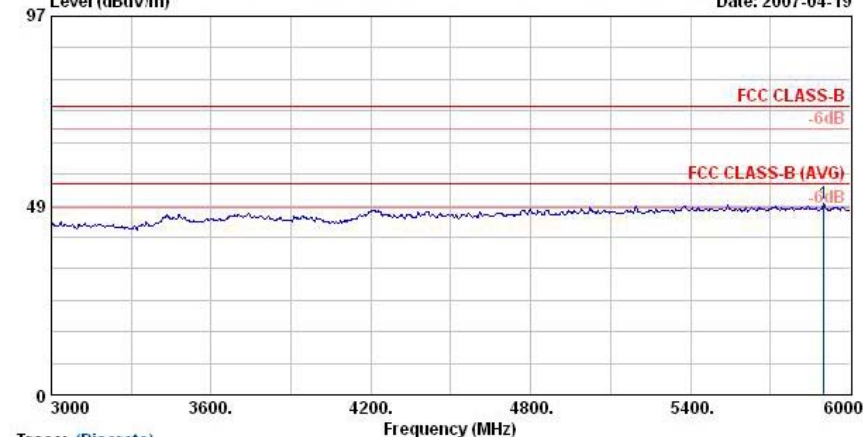


Trace: (Discrete)
Condition : HF-ANT-060410 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	2374.00	60.43	-13.57	74.00	61.89	30.25	3.73	35.44	100	0 Peak
2 @	2374.00	50.54	-3.46	54.00	52.00	30.25	3.73	35.44	100	39 Average
3 @	2437.00	103.47			104.88	30.27	3.79	35.47	100	0 Peak
4 @	2437.00	100.42			101.80	30.28	3.82	35.47	100	39 Average
5 @	2494.00	59.05	-14.95	74.00	60.39	30.30	3.88	35.53	100	0 Peak
6 @	2494.00	48.95	-5.05	54.00	50.30	30.30	3.88	35.53	100	39 Average

Remark: #3 and #4 Fundamental Signal

Data: 4 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19



Trace: (Discrete)
Condition : HF-ANT-060410 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	5901.00	49.02	-24.98	74.00	43.85	34.00	6.93	35.75	---	---

SPORTON International Inc.

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FCC ID : O8F-715

IC ID : 3905A-715

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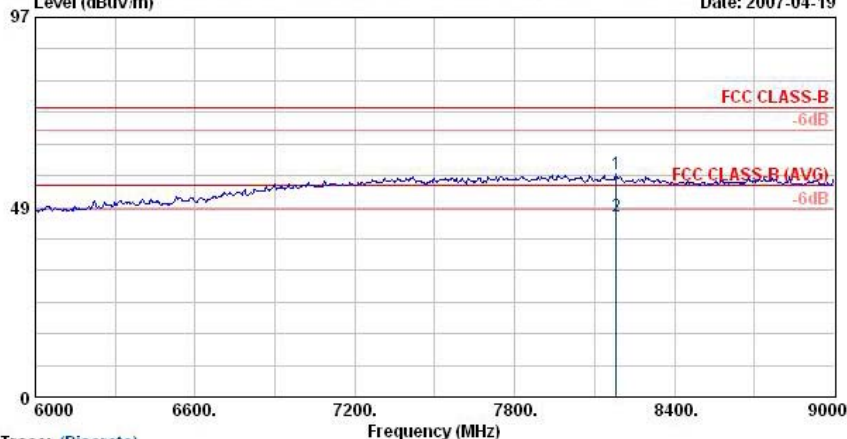
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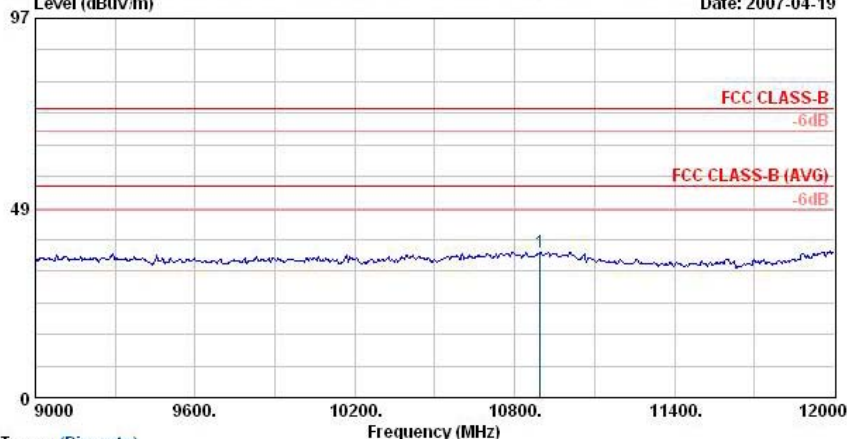
Data: 5 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)



Trace: (Discrete)
Condition : HF-ANT-060410 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	8181.00	56.86	-17.14	74.00	45.35	39.46	8.00	35.96	---	---
2 @	8181.00	46.00	-8.00	54.00	34.50	39.46	8.00	35.96	100	225 Average

Data: 6 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)



Trace: (Discrete)
Condition : HF-ANT(8-18)-060918 HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

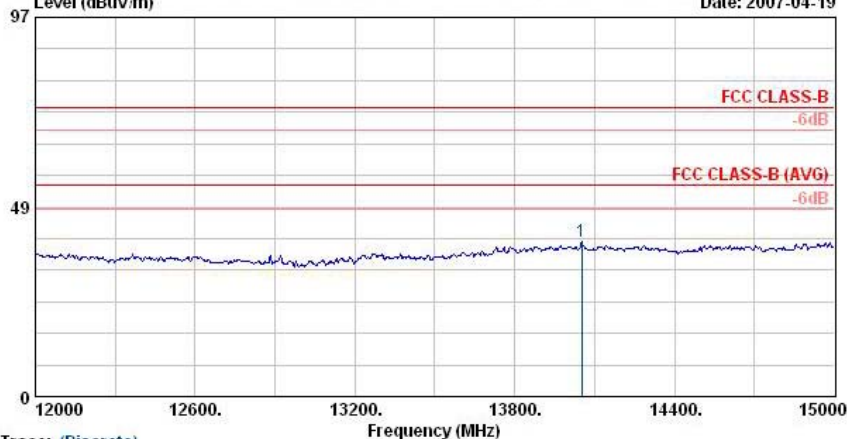
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	10896.00	37.29	-36.71	74.00	71.94	-8.34	9.80	36.11	---	---



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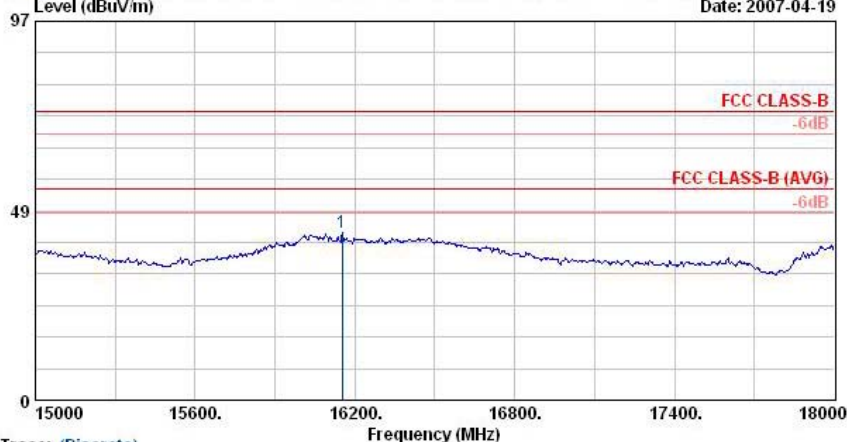
Data: 7 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19



Trace: (Discrete)
: HF-ANT(8-18)-060918 HORIZONTAL
: PDA Phone
: 120Vac/60Hz
: FR 741601
: WLAN 11b Tx_Ch06;2437MHz
: H
: I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	14052.00	39.52	-34.48	74.00	68.66	-6.15	11.64	34.63	---	---
										Peak

Data: 8 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19



Trace: (Discrete)
: HF-ANT(8-18)-060918 HORIZONTAL
: PDA Phone
: 120Vac/60Hz
: FR 741601
: WLAN 11b Tx_Ch06;2437MHz
: H
: I

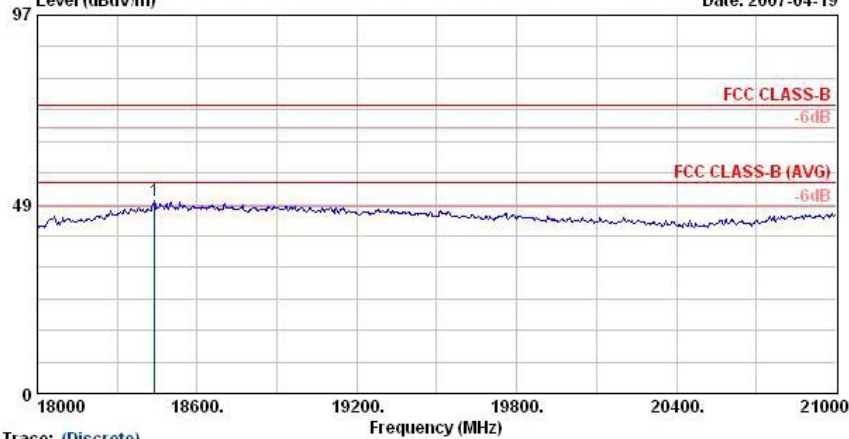
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	16152.00	42.84	-31.16	74.00	71.45	-5.76	11.80	34.65	---	---
										Peak



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Report No. : FR741601A

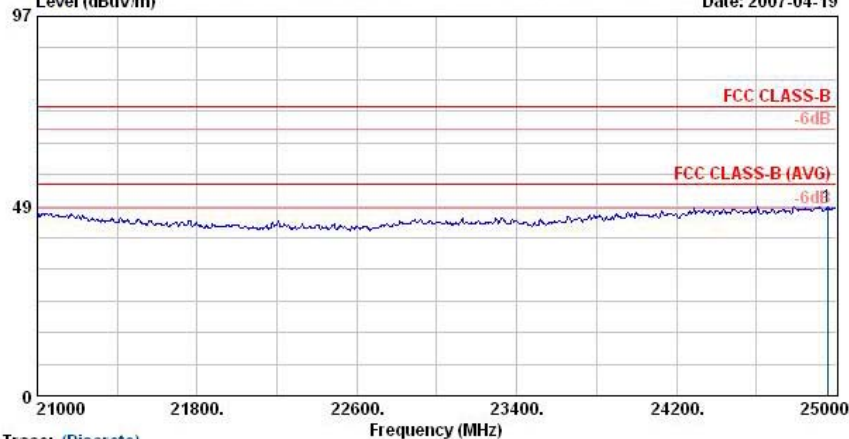
Data: 9 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19



Condition : SHF-EHF HORN HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	18441.00	49.48	-24.52	74.00	45.39	21.19	18.87	35.97	---	---
										Peak

Data: 10 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19



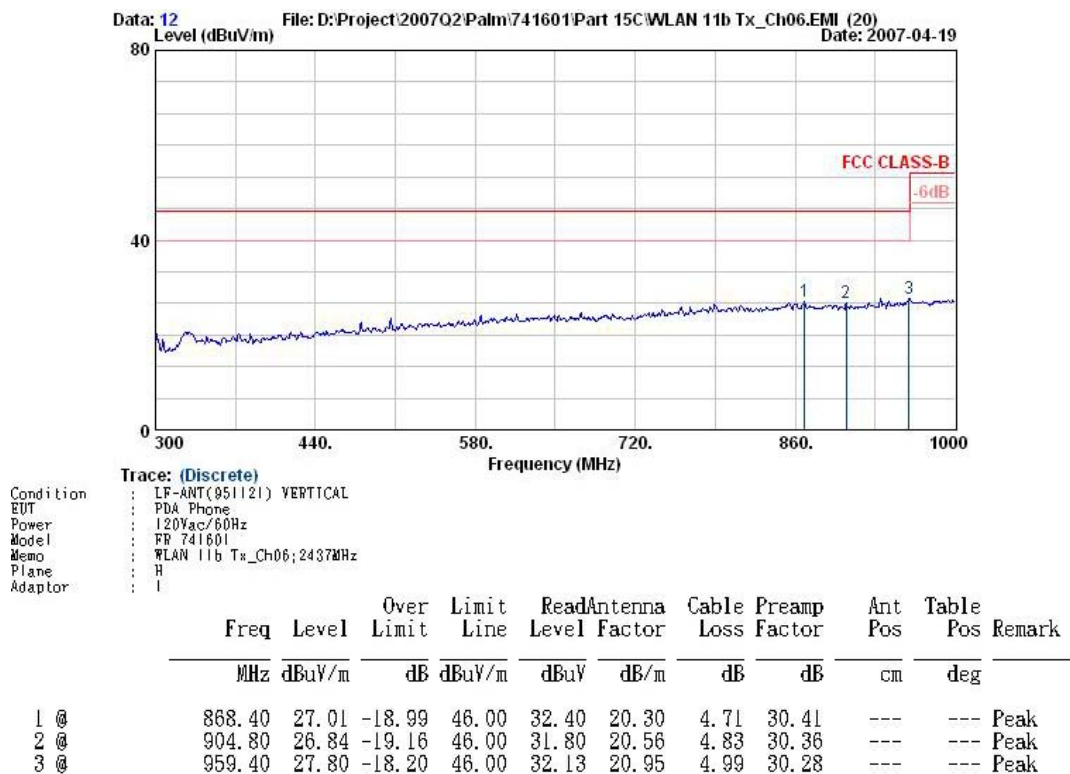
Condition : SHF-EHF HORN HORIZONTAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	24956.00	48.28	-25.72	74.00	46.34	21.83	18.64	38.53	---	---
										Peak



- Polarization : Vertical

■ The test that passed at minimum margin was marked by the frame in the following table.

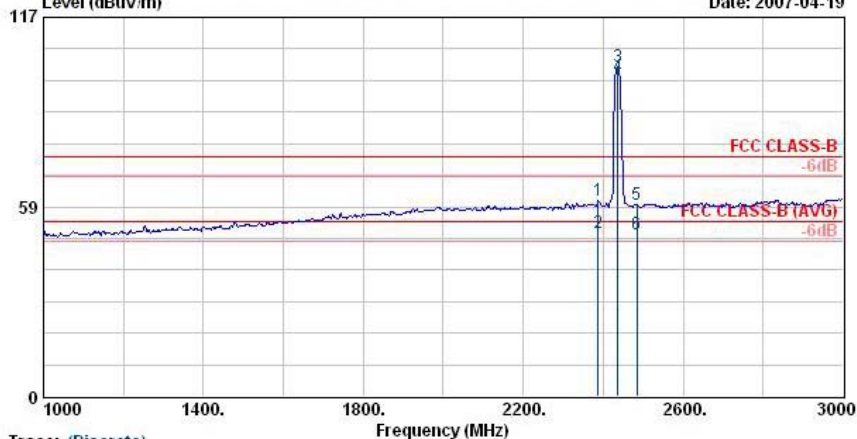




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Data: 13 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)

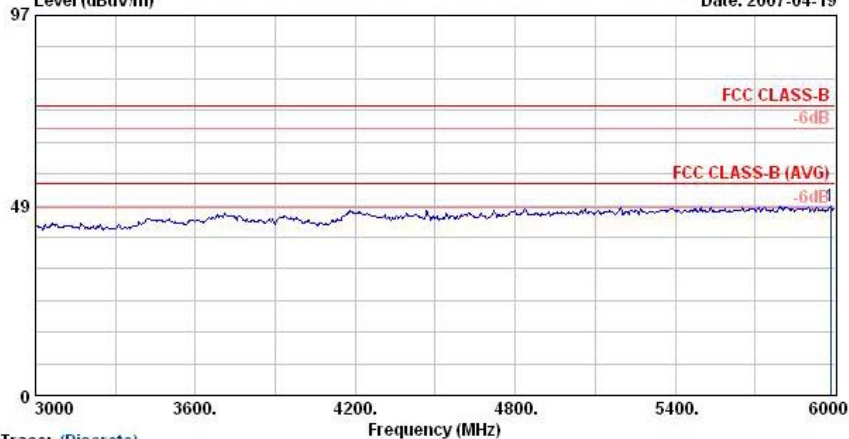


Trace: (Discrete)
Condition : HF-ANT-060410 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06; 2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Loss	Factor	Pos	Pos	Remark
					dBuV	dB/m	dB	dB	cm	deg
1 @	2388.00	60.44	-13.56	74.00	61.87	30.26	3.75	35.44	100	0 Peak
2 @	2388.00	50.48	-3.52	54.00	51.91	30.26	3.75	35.44	100	101 Average
3 @	2437.00	101.78			103.16	30.28	3.82	35.47	100	0 Peak
4 @	2437.00	98.72			100.10	30.28	3.82	35.47	100	101 Average
5 @	2484.00	59.16	-14.84	74.00	60.52	30.29	3.86	35.51	100	0 Peak
6 @	2484.00	49.87	-4.13	54.00	51.23	30.29	3.86	35.51	100	101 Average

Remark: #3 and #4 Fundamental Signal

Data: 14 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)



Trace: (Discrete)
Condition : HF-ANT-060410 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06; 2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Loss	Factor	Pos	Pos	Remark
					dBuV	dB/m	dB	dB	cm	deg
1	5982.00	48.27	-25.73	74.00	42.95	34.08	6.94	35.70	---	---

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FCC ID : O8F-715

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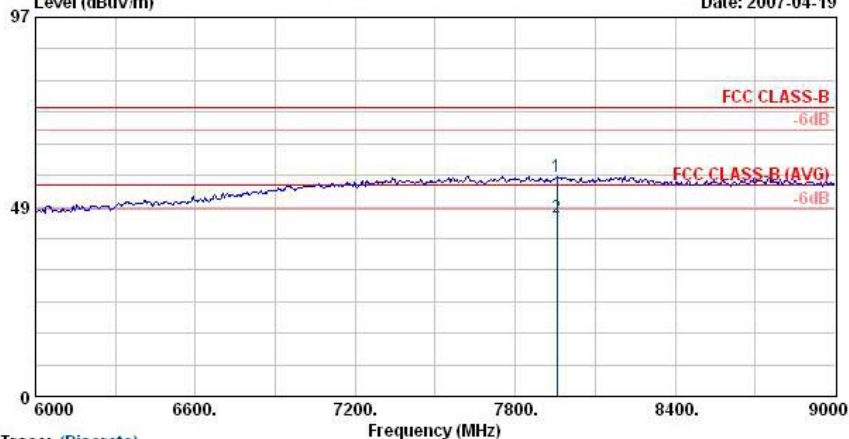
Report Version : Rev. 01



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Report No. : FR741601A

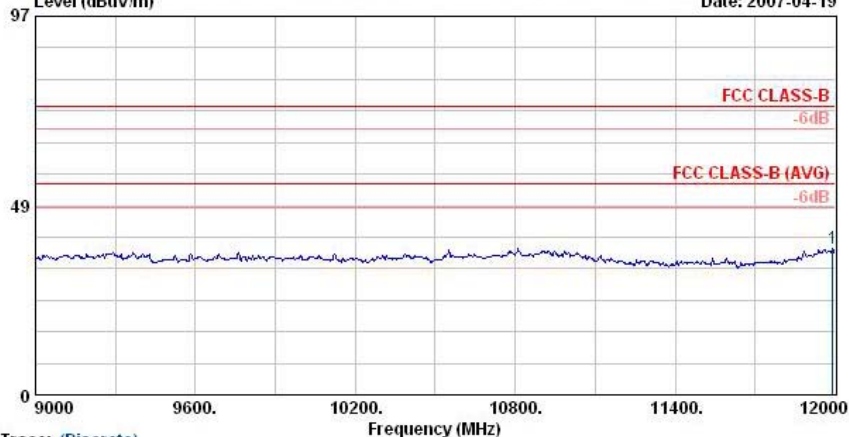
Data: 15 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)



Trace: (Discrete)
Condition : HF-ANT-060410 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	7956.00	56.32	-17.68	74.00	44.87	39.53	7.78	35.86	---	---
2 @	7956.00	45.65	-8.35	54.00	34.20	39.53	7.78	35.86	100	118

Data: 16 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)



Trace: (Discrete)
Condition : HF-ANT(8-16)-060918 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

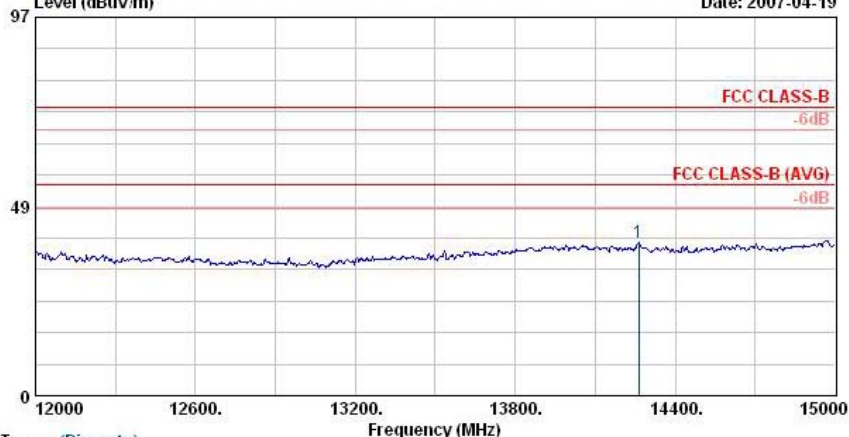
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	11991.00	37.59	-36.41	74.00	73.18	-9.64	10.63	36.58	---	---



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Data: 17 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)

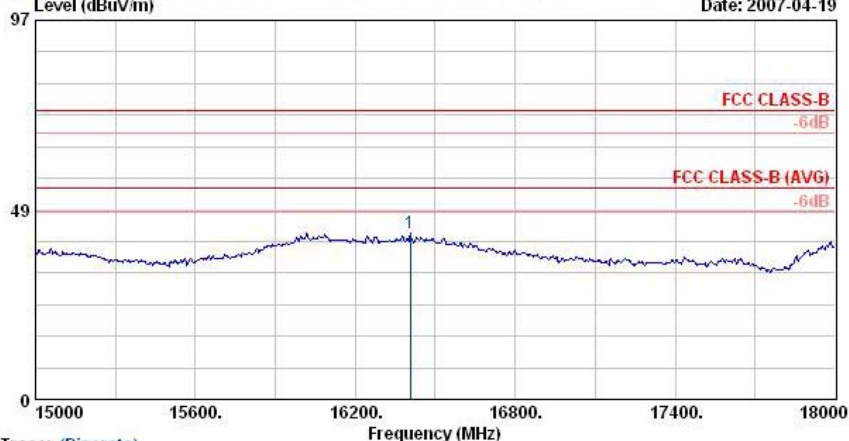


Trace: (Discrete)
Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm
1	14262.00	39.45	-34.55	74.00	69.17	-6.36	11.68	35.04	---

Peak

Data: 18 File: D:\Project\2007Q2\Palm\741601\Part 15C\WLAN 11b Tx_Ch06.EMI (20) Date: 2007-04-19
Level (dBuV/m)



Trace: (Discrete)
Condition : HF-ANT(8-18)-060918 VERTICAL
EUT : PDA Phone
Power : 120Vac/60Hz
Model : FR 741601
Memo : WLAN 11b Tx_Ch06;2437MHz
Plane : H
Adaptor : I

	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm
1	16407.00	42.61	-31.39	74.00	71.43	-8.98	11.86	31.70	---

Peak