



# FCC Test Report

According to

**47 CFR Part 15 Subpart C**

**Equipment** : PDA Phone  
**Model No.** : DIAM100  
**FCC ID** : NM8DMS  
**Filing Type** : Certification  
**Applicant** : **High Tech Computer Corp.**  
23 Xinghua Rd., Taoyuan 330, Taiwan

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- The data shown in this test report were carried out on Apr. 03, 2008 at **Sporton International Inc. Lab.**
- Report No.: FR822609-01-AB, Report Version: Rev. 01.

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# 1. General Description of Equipment under Test

## 1.1 Applicant

High Tech Computer Corp.  
23 Xinghua Rd., Taoyuan 330, Taiwan

## 1.2 Manufacturer

High Tech Computer Corp.  
23 Xinghua Rd., Taoyuan 330, Taiwan

## 1.3 Basic Description of Equipment under Test

<b>Equipment</b>		PDA Phone
<b>Model Name</b>		DIAM100
<b>FCC ID</b>		NM8DMS
<b>PDA Phone A</b>		LCD Panel 1 + Photo Camera 1 + Video Camera 1 + main PA
<b>PDA Phone B</b>		LCD Panel 2 + Photo Camera 2 + Video Camera 2 + main PA
<b>PDA Phone C</b>		LCD Panel 2 + Photo Camera 2 + Video Camera 2 + second PA
<b>AC Adapter A</b>	<b>Brand Name</b>	DELTA
	<b>Model Name</b>	ADP-5FH B
	<b>Power Rating</b>	I/P: 100-240Vac, 50-60Hz, 0.2A; O/P: 5Vdc, 1A
	<b>AC Power Cord Type</b>	1.8 meter shielded cable without ferrite core
<b>AC Adapter B</b>	<b>Brand Name</b>	PHIHONG
	<b>Model Name</b>	PSAA05A-050
	<b>Power Rating</b>	I/P: 100-240Vac, 50-60Hz, 13-20VA; O/P: 5Vdc, 1A
	<b>AC Power Cord Type</b>	1.8 meter shielded cable without ferrite core
<b>AC Adapter C</b>	<b>Brand Name</b>	hTC
	<b>Model Name</b>	TC P300
	<b>Power Rating</b>	I/P: 100-240Vac, 50-60Hz, 0.2A; O/P: 5Vdc, 1A
	<b>Power Cord Type</b>	1.8 meter shielded cable without ferrite core
<b>Car Charger</b>	<b>Brand Name</b>	PHIHONG
	<b>Model Name</b>	CLA05D-050A
	<b>Power Rating</b>	I/P: 10V/30Vdc; O/P: 5Vdc, 1A
	<b>Power Cord Type</b>	1.8 meter shielded cable without ferrite core
<b>Battery 1</b>	<b>Manufacturer</b>	Total Wireless Solutions (Macao Commercial Offshore) Limited (TWS)
	<b>Brand Name</b>	hTC
	<b>Model Name</b>	DIAM160
	<b>Power Rating</b>	3.7Vdc, 900mA
	<b>Type</b>	Li-ion
<b>Battery 2</b>	<b>Manufacturer</b>	DESAY CORPORATION (Desay)
	<b>Brand Name</b>	hTC
	<b>Model Name</b>	DIAM160
	<b>Power Rating</b>	3.7Vdc, 900mA
	<b>Type</b>	Li-ion



Battery 3	Manufacturer	SAMSUNG SDI CO., LTD.
	Brand Name	hTC
	Model Name	DIAM160
	Power Rating	3.7Vdc, 900mA
	Type	Li-ion
Battery 4	Manufacturer	SIMPLO TECHNOLOGY CO., LTD.
	Brand Name	hTC
	Model Name	DIAM171
	Power Rating	3.7Vdc, 1340mA
	Type	Li-ion
Battery 5	Manufacturer	Total Wireless Solutions (Macao Commercial Offshore) Limited (TWS)
	Brand Name	hTC
	Model Name	DIAM171
	Power Rating	3.7Vdc, 1340mA
	Type	Li-ion
Battery 6	Manufacturer	WellDone Company
	Brand Name	hTC
	Model Name	DIAM160
	Power Rating	3.7Vdc, 900mA
	Type	Li-ion
Earphone A	Brand Name	COTRON
	Model Name	RC E100
	Signal Line Type	1.7 meter shielded cable without ferrite core
Earphone B	Brand Name	COTRON
	Model Name	HS S200
	Signal Line Type	1.6 meter shielded cable without ferrite core
Earphone C	Brand Name	COTRON
	Model Name	HS S300
	Signal Line Type	1.6 meter shielded cable without ferrite core
USB Cable A	Brand Name	MEC
	Model Name	DC U300
	Signal Line Type	1.4 meter shielded cable with ferrite core
USB Cable B	Brand Name	MEC
	Model Name	DC U100
	Signal Line Type	1.2 meter shielded cable with ferrite core
LCD Panel 1	Brand Name	Hitachi
	Model Name	DX07D05VM0AAA
LCD Panel 2	Brand Name	Sharp
	Model Name	LS028V7DX01
Photo Camera 1	Brand Name	Foxconn
	Model Name	CMHT-3A403D
Photo Camera 2	Brand Name	LiteOn
	Model Name	07PM12
Video Camera 1	Brand Name	Foxconn
	Model Name	CMHT-00M00D



<b>Video Camera 2</b>	<b>Brand Name</b>	LiteOn
	<b>Model Name</b>	07PC05
<b>Holster</b>	<b>Brand Name</b>	XIGMA
	<b>Model Name</b>	PO S400

Remark:

1. Above EUT's information was declared by manufacturer. Please refer to the specifications of manufacturer or User's Manual for more detailed features description.
2. ADP-5FH X (X=A, B, C, D or E) have the same circuit design, the difference between these models are plug, only ADP-5FH B used for testing.
3. PSAA05X-050 (X=A, C, E, K or S) have the same circuit design, the difference between these models are plug, only PSAA05A-05 used for testing.



**1.4 Feature of Equipment under Test**

<b>Product Feature &amp; Specification</b>	
<b>DUT Type :</b>	PDA Phone
<b>Model Name :</b>	DIAM100
<b>FCC ID :</b>	NM8DMS
<b>Tx Frequency :</b>	GSM850 : 824 MHz ~ 849 MHz PCS1900 : 1850 MHz ~1910 MHz WCDMA Band V : 824 MHz ~ 849 MHz WCDMA Band II : 1850 MHz ~ 1910 MHz WLAN / Bluetooth : 2400 MHz ~ 2483.5 MHz
<b>Rx Frequency :</b>	GSM850 : 869 MHz ~ 894 MHz PCS1900 : 1930 MHz ~ 1990 MHz WCDMA Band V : 869 MHz ~ 894 MHz WCDMA Band II : 1930 MHz ~ 1990 MHz WLAN / Bluetooth : 2400 MHz ~ 2483.5 MHz
<b>Number of Channels :</b>	Bluetooth : 79 WLAN : 11
<b>Carrier Frequency of Each Channel :</b>	Bluetooth : 2402+n*1 MHz; n=0~78 WLAN : 2412+(n-1)*5 MHz; n=1~11
<b>Channel Spacing</b>	GSM : 200 KHz Bluetooth : 1 MHz WLAN : 5 MHz
<b>Maximum Output Power to Antenna :</b>	PCS1900 : 30.02 dBm (GSM) / 25.71 dBm (EDGE) Bluetooth : -0.23 dBm (1Mbps) Bluetooth EDR : 0.77 dBm (2Mbps) / 0.42 dBm (3Mbps) WLAN : 17.22 dBm (802.11b) / 19.15 dBm (802.11g)
<b>Type of Antenna Connector</b>	N/A
<b>Antenna Type :</b>	Bluetooth : PIFA Antenna WLAN : PIFA Antenna
<b>Antenna Gain :</b>	Bluetooth : -1 dBi WLAN : -1 dBi
<b>Power Rating (DC/AC Voltage)</b>	Battery : DC 3.7V Adapter : AC 100-240V
<b>GPRS / EGPRS Multislot class :</b>	12
<b>Type of Modulation :</b>	GSM : GMSK EDGE : 8PSK WCDMA / HSDPA : QPSK Bluetooth (1Mbps) : GFSK Bluetooth EDR (2Mbps) : $\pi/4$ -DQPSK Bluetooth EDR (3Mbps) : 8-DPSK WLAN : DSSS / OFDM
<b>DUT Stage :</b>	Identical Prototype



## 2. Test Configuration of Equipment under Test

### 2.1 Test Manner

- 3 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.
- 4 Power Table as below:

#### 802.11b

Channel	Frequency (MHz)	Data Rate (dBm)			
		1 Mbps	2 Mbps	5.5 Mbps	11 Mbps
CH 01	2412 MHz	16.94	16.99	16.97	17.22
CH 06	2437 MHz	16.67	16.74	16.84	17.05
CH 11	2462 MHz	16.79	16.86	16.82	17.02

#### 802.11g

Channel	Frequency (MHz)	Data Rate (dBm)							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 01	2412 MHz	19.07	19.05	17.41	17.71	16.59	16.66	14.92	14.56
CH 06	2437 MHz	19.10	19.15	17.20	17.46	16.39	16.47	14.56	14.18
CH 11	2462 MHz	19.08	19.12	17.42	17.66	16.51	16.59	14.67	14.41

- 5 The 802.11b/g data rate were set in 11Mbps and 9Mbps, due to the highest RF output power.
- 6 The EUT is programmed to transmit signal continuously for all testings.
- 7 Frequency range investigated: conduction 150 kHz to 30 MHz, radiation 30 MHz to 25000MHz.





**7.1 Test Mode**

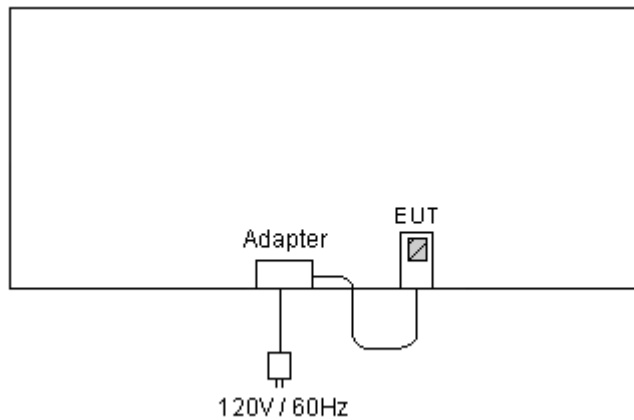
Application									
<b>Radiated Emission / RF Conducted</b>	<table border="1"> <thead> <tr> <th>802.11b</th> <th>802.11g</th> </tr> </thead> <tbody> <tr> <td>Mode1: CH01_2412MHz</td> <td>Mode4: CH01_2412MHz</td> </tr> <tr> <td>Mode2: CH06_2437MHz</td> <td>Mode5: CH06_2437MHz</td> </tr> <tr> <td>Mode3: CH11_2462MHz</td> <td>Mode6: CH11_2462MHz</td> </tr> </tbody> </table>	802.11b	802.11g	Mode1: CH01_2412MHz	Mode4: CH01_2412MHz	Mode2: CH06_2437MHz	Mode5: CH06_2437MHz	Mode3: CH11_2462MHz	Mode6: CH11_2462MHz
	802.11b	802.11g							
	Mode1: CH01_2412MHz	Mode4: CH01_2412MHz							
Mode2: CH06_2437MHz	Mode5: CH06_2437MHz								
Mode3: CH11_2462MHz	Mode6: CH11_2462MHz								
<p>Mode 1: PDA Phone A + PCS1900 Idle Mode + BT Link + WLAN Link + Battery 1 + Photo Camera + Adapter A + GPS Rx</p> <p>Mode 2: PDA Phone A + PCS1900 Idle Mode + BT Link + WLAN Link + Battery 2 + Photo Camera + Adapter B + GPS Rx</p> <p>Mode 3: PDA Phone A + PCS1900 Idle Mode + BT Link + WLAN Link + Battery 3 + Photo Camera + Adapter C + GPS Rx + USB cable A Link with NB</p> <p>Mode 4: PDA Phone A + PCS1900 Idle Mode + BT Link + WLAN Link + Battery 3 + Photo Camera + Adapter C + GPS Rx + USB cable B Link with NB</p> <p>Mode 5: PDA Phone A + EDGE Idle Mode + BT Link + WLAN Link + Battery 3 + Video Camera + GPS Rx + USB cable A Link with NB</p> <p>Mode 6: PDA Phone A + EDGE Idle Mode + BT Link + WLAN Link + Battery 3 + MPEG4 + GPS Rx + USB cable B Link with NB</p> <p>Mode 7: PDA Phone B + EDGE Idle Mode + BT Link + WLAN Link + Battery 3 + Video Camera + GPS Rx + USB cable A Link with NB</p> <p>Mode 8: PDA Phone A + EDGE Idle Mode + BT Link + WLAN Link + Battery 4 + Video Camera + GPS Rx + USB cable A Link with NB</p> <p>Mode 9: PDA Phone A + EDGE Idle Mode + BT Link + WLAN Link + Battery 5 + Video Camera + GPS Rx + USB cable A Link with NB</p>									
<b>Conducted Emission</b>									

**7.2 Ancillary Equipment List**

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable / Power Cord
1.	Base Station	Agilent	E5515C	N/A	Unshielded, 1.8m
2.	WLAN AP	SMC	SMC-100	HEDWG4005ACC	Unshielded, 1.8m
3.	GPS Station	T&E	GP-50	N/A	Unshielded, 1.8m
4.	Bluetooth Earphone	Engotech	ET-BH111	PQY471087	N/A
5.	Notebook	DELL	D400	E2K24GBRL	N/A
6.	(RS-232)Mouse	State	MS-303	FCC DoC	Unshielded, 1.2m
7.	iPod	Apple	A1199	DoC	Shielded, 1.2m

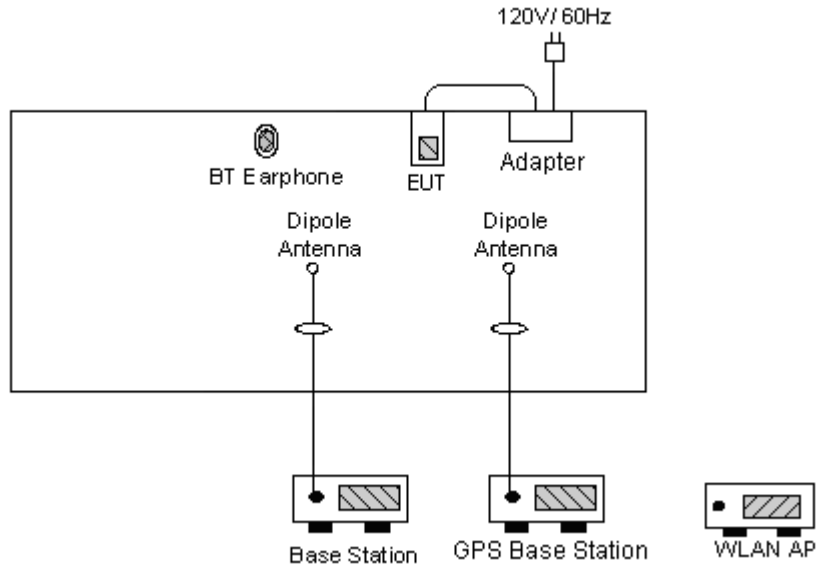
**7.3 Connection Diagram of Test System**

<Radiated Emission>

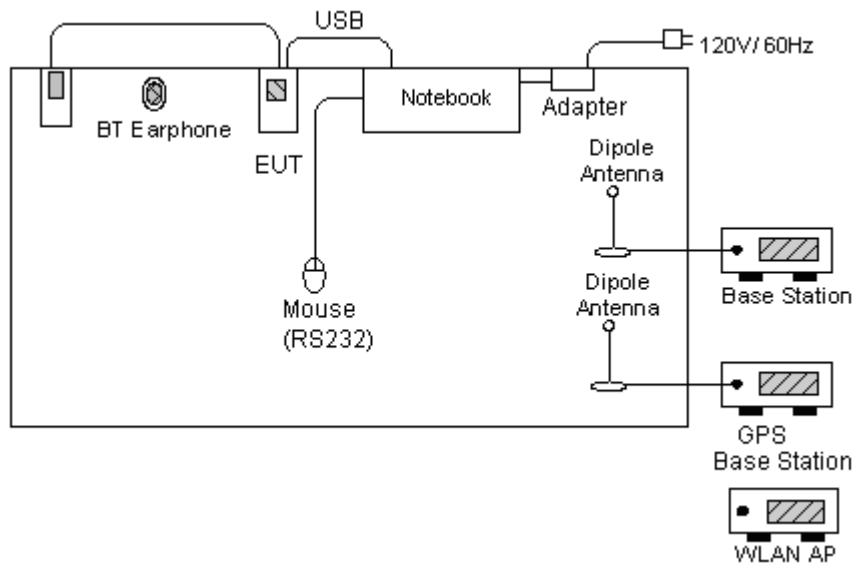


<Conducted Emission>

EUT with Adapter Mode



EUT with USB Link Mode





### **3. RF Utility**

The programmed RF Utility is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testings.



## **4. General Information of Test**

Test Site Location : No. 52, Hwa Ya 1<sup>st</sup> Rd., Hwa Ya Technology Park,  
Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.  
TEL : 886-3-327-3456  
FAX : 886-3-328-4978

Test Site No : CO04-HY, 03CH06-HY

### **4.1 Test Voltage**

AC 120V / 60Hz

### **4.2 Standard for Methods of Measurement**

ANSI C63.4-2003

### **4.3 Test Compliance**

47 CFR Part 15 Subpart C

### **4.4 Frequency Range**

- a. Conduction: from 150 kHz to 30 MHz
- b. Radiation: 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	Description of Test	Result
15.207	Conducted Emission	Pass
15.247(a)(2)	6dB Bandwidth	Pass
15.247(b)(1)	Maximum Peak Output Power	Pass
15.209(a) 15.247(d)	Radiated Emission	Pass
15.247(d)	100 KHz Bandwidth of Frequency Band Edges	Pass
15.247(e)	Power Spectral Density	Pass
15.203 15.247(b)(4)	Antenna Requirement	Pass

**5.2 6dB Bandwidth Measurement**

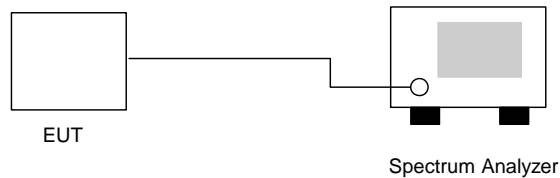
5.2.1 Measuring Instruments

As described in chapter 6 of this test report.

5.2.2 Test Procedure

- a. The transmitter output was connected to the spectrum analyzer directly.
- b. Set RBW of spectrum analyzer to 100kHz and VBW to 100kHz.
- c. 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 : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Ken

**802.11b**

Channel	Frequency ( MHz )	6dB Emission bandwidth ( MHz )	Limits ( MHz )	Plot Ref. No.
01	2412	9.72	> 0.5MHz	Mode 1
06	2437	9.72	> 0.5MHz	Mode 2
11	2462	10.00	> 0.5MHz	Mode 3

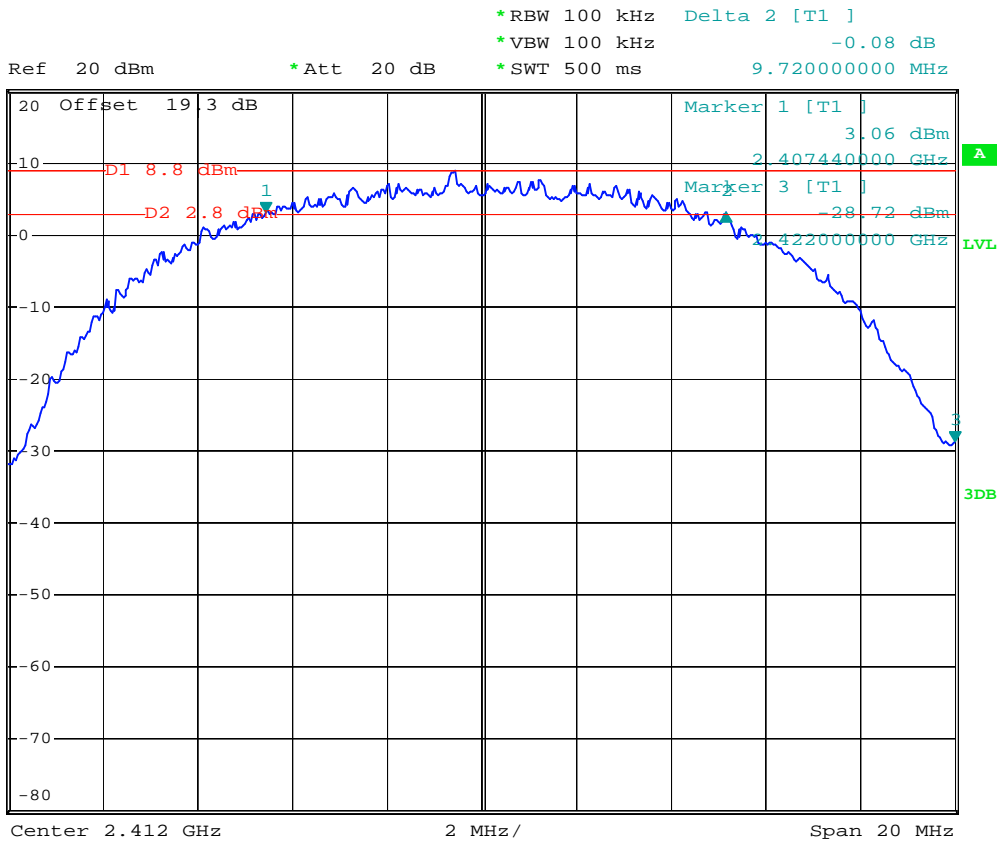
**802.11g**

Channel	Frequency ( MHz )	6dB Emission bandwidth ( MHz )	Limits ( MHz )	Plot Ref. No.
01	2412	16.44	> 0.5MHz	Mode 4
06	2437	16.44	> 0.5MHz	Mode 5
11	2462	16.44	> 0.5MHz	Mode 6



5.2.5 6dB Bandwidth

Mode 1



Date: 4.MAR.2008 03:28:42





Mode 2

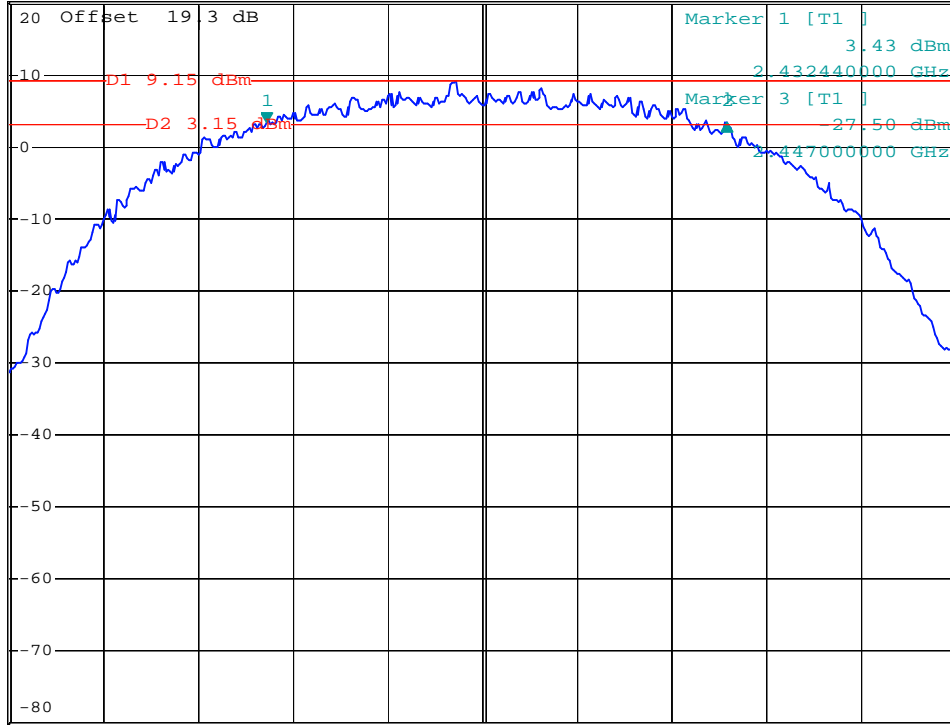


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -0.11 dB  
 \*SWT 500 ms 9.720000000 MHz

Ref 20 dBm

\*Att 20 dB

1 PK  
MAXH



Center 2.437 GHz

2 MHz/

Span 20 MHz

Date: 4.MAR.2008 03:27:54



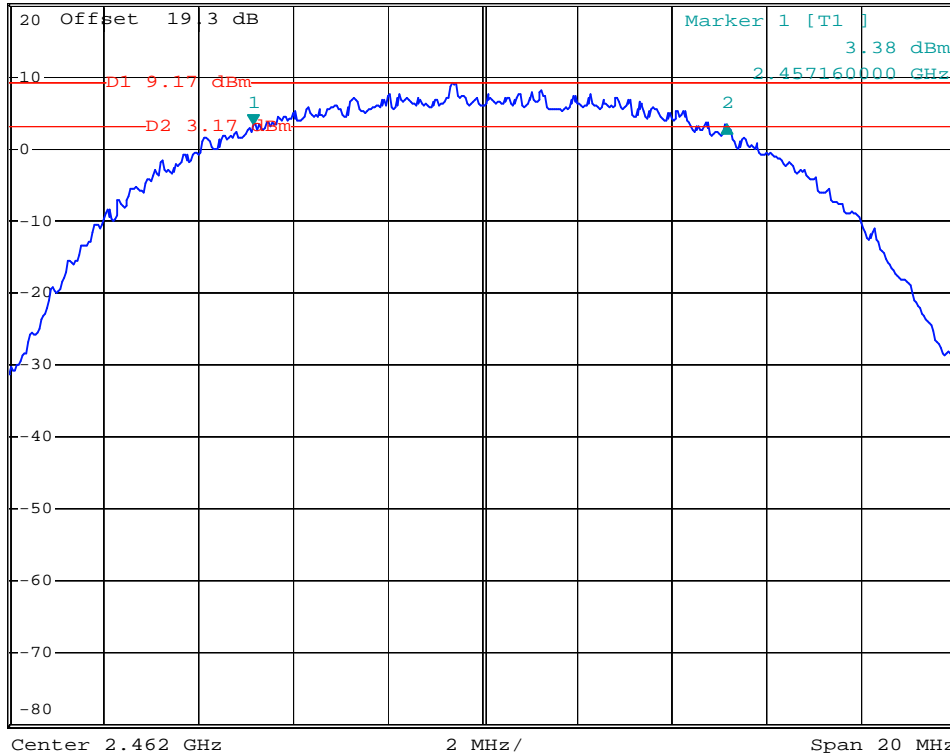
Mode 3



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz 0.02 dB  
 \*SWT 500 ms 10.00000000 MHz

Ref 20 dBm

\*Att 20 dB



Date: 4.MAR.2008 03:27:00



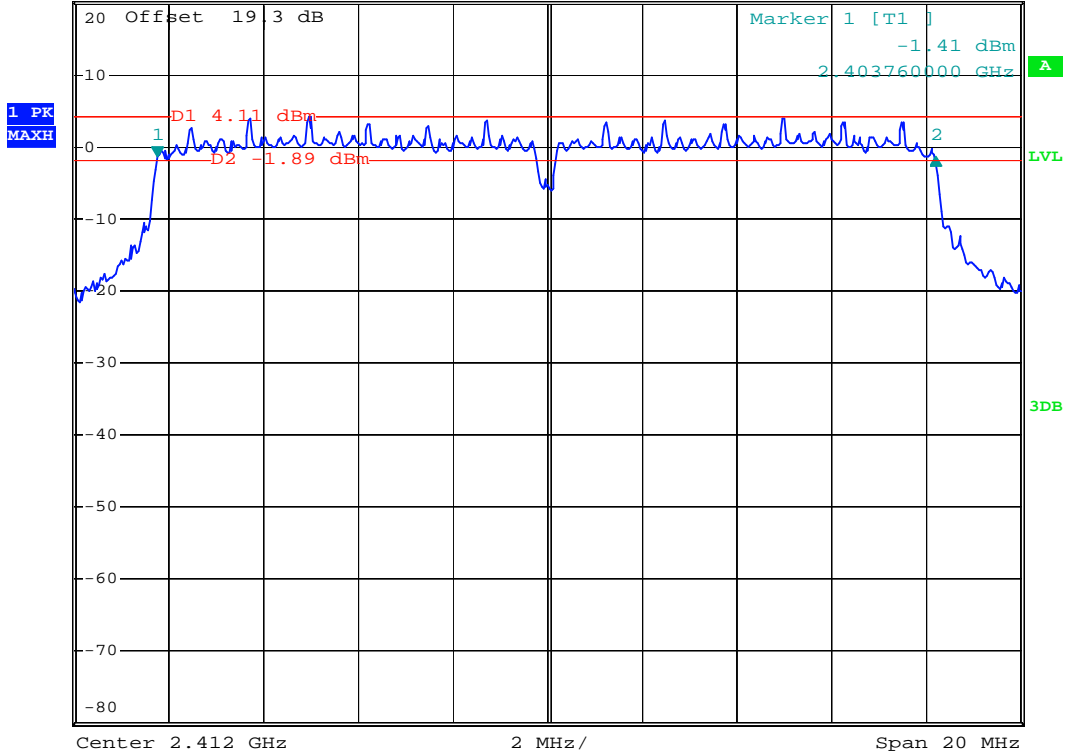
Mode 4



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -0.05 dB  
 \*SWT 500 ms 16.44000000 MHz

Ref 20 dBm

\*Att 20 dB



Date: 4.MAR.2008 03:23:57



Mode 5

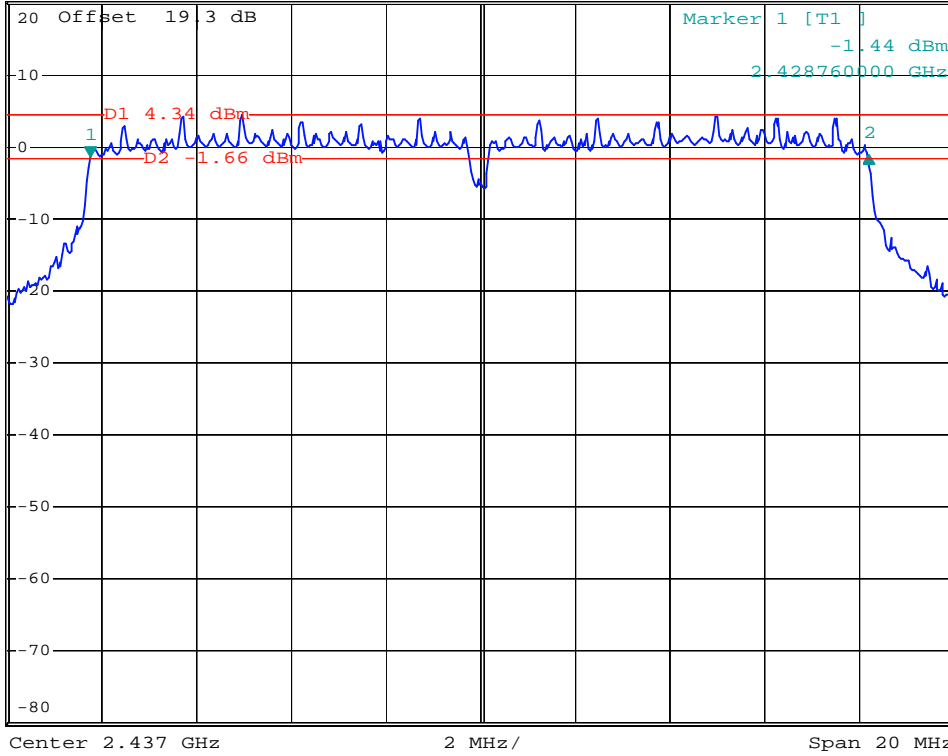


\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz 0.26 dB  
 \*SWT 500 ms 16.44000000 MHz

Ref 20 dBm

\*Att 20 dB

1 PK  
MAXH



Date: 4.MAR.2008 03:24:45



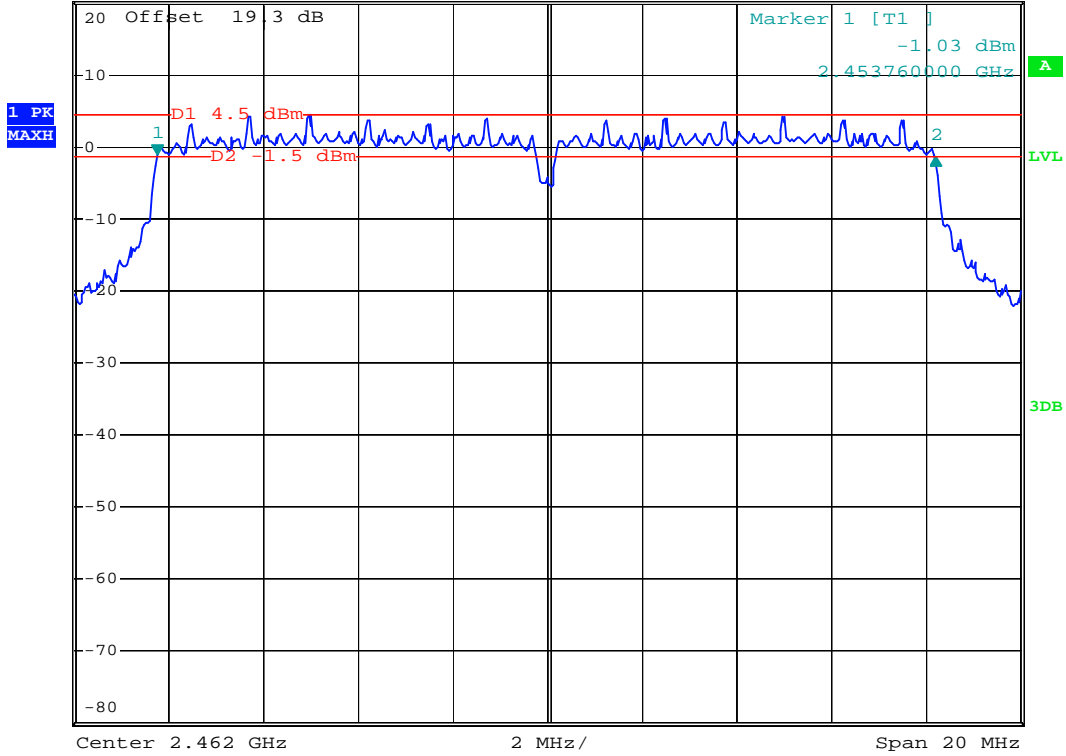
Mode 6



\*RBW 100 kHz Delta 2 [T1 ]  
 \*VBW 100 kHz -0.25 dB  
 \*SWT 500 ms 16.44000000 MHz

Ref 20 dBm

\*Att 20 dB



Date: 4.MAR.2008 03:25:34

### 5.3 Power Spectral Density Measurement

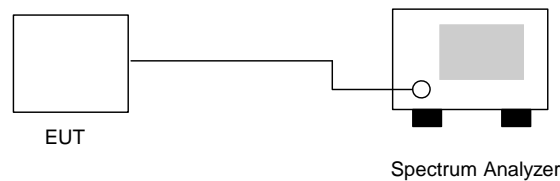
#### 5.3.1 Measuring Instruments :

As described in chapter 6 of this test report.

#### 5.3.2 Test Procedure :

- a. The transmitter output was connected to spectrum analyzer directly.
- b. The spectrum analyzer's resolution bandwidth was set at 3kHz RBW and 30kHz VBW as that of the fundamental frequency. Set the sweep time= $\text{span}/3\text{kHz}$ .
- c. The power spectral density was measured and recorded.
- d. The sweep time is allowed to be longer than  $\text{span}/3\text{kHz}$  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 : 26~27°C

Relative Humidity : 48~49%

Test Enginner : Ken

**802.11b**

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-6.25	8	Mode 1
06	2437	-6.34	8	Mode 2
11	2462	-6.10	8	Mode 3

**802.11g**

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-8.79	8	Mode 4
06	2437	-8.18	8	Mode 5
11	2462	-7.93	8	Mode 6



5.3.5 Power Spectral Density :

Mode 1

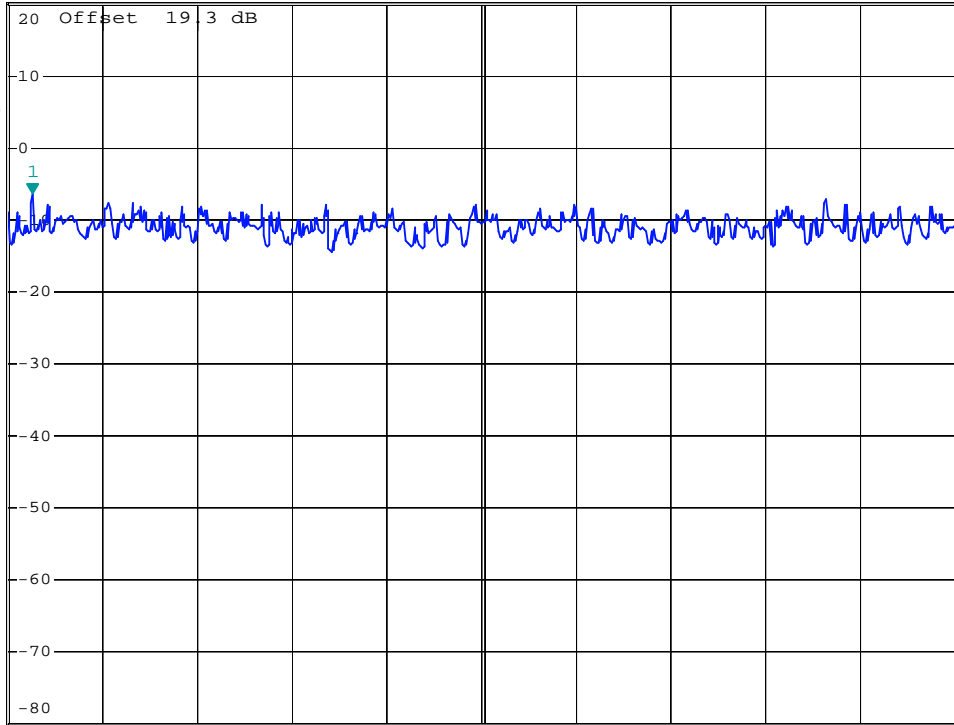


\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 30 kHz      -6.25 dBm  
\*SWT 500 s      2.411289000 GHz

Ref 20 dBm

\*Att 20 dB

1 PK\*  
CLRWR



Date: 4.MAR.2008 02:26:24





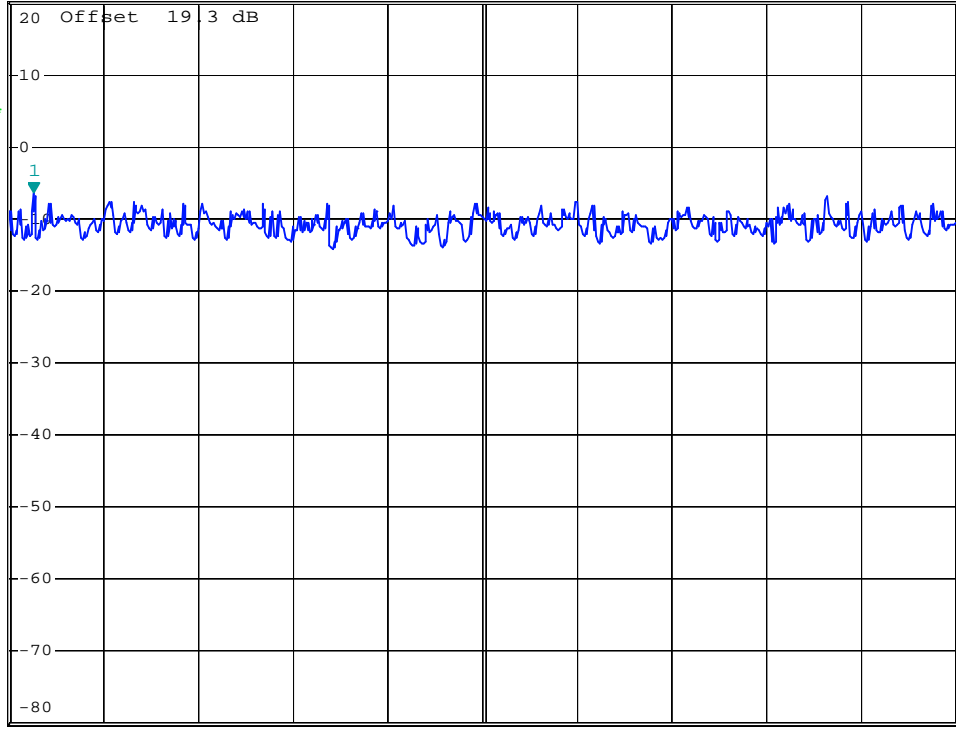
Mode 2



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 30 kHz      -6.34 dBm  
\*SWT 500 s      2.436289000 GHz

Ref 20 dBm      \*Att 20 dB

1 PK\*  
CLRWR

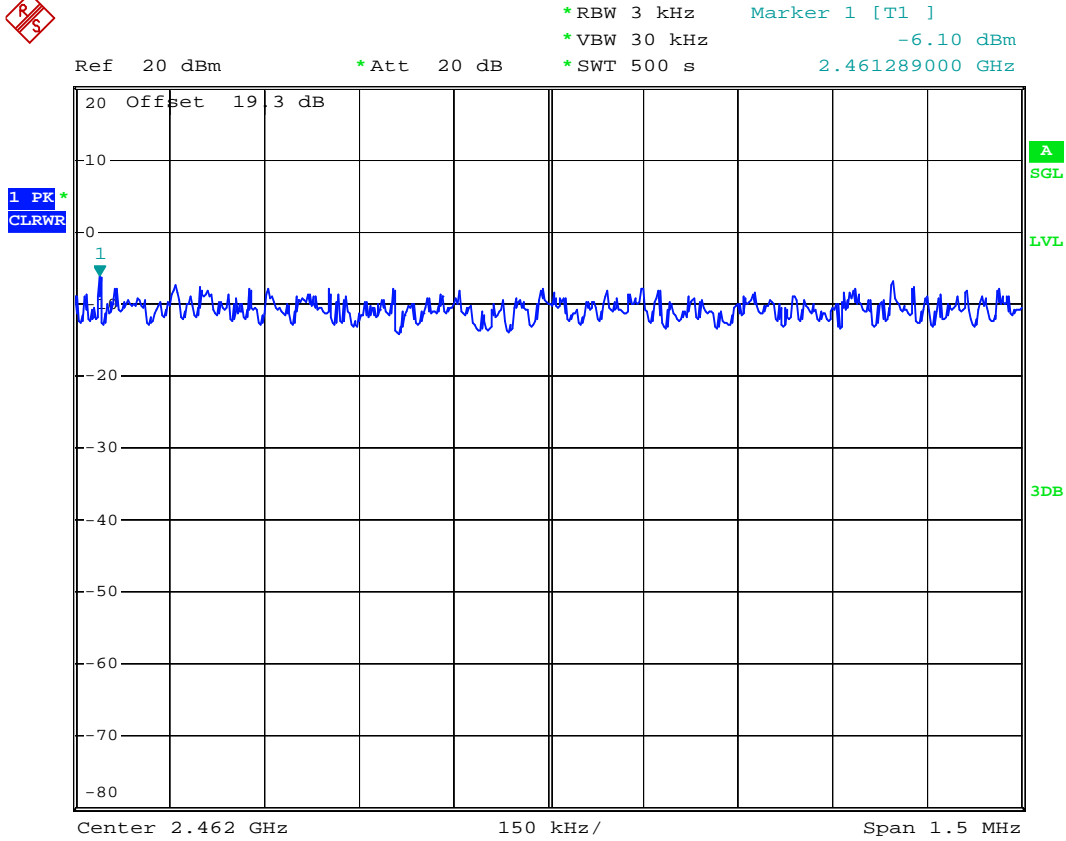


Center 2.437 GHz      150 kHz/      Span 1.5 MHz

Date: 4.MAR.2008 02:36:01



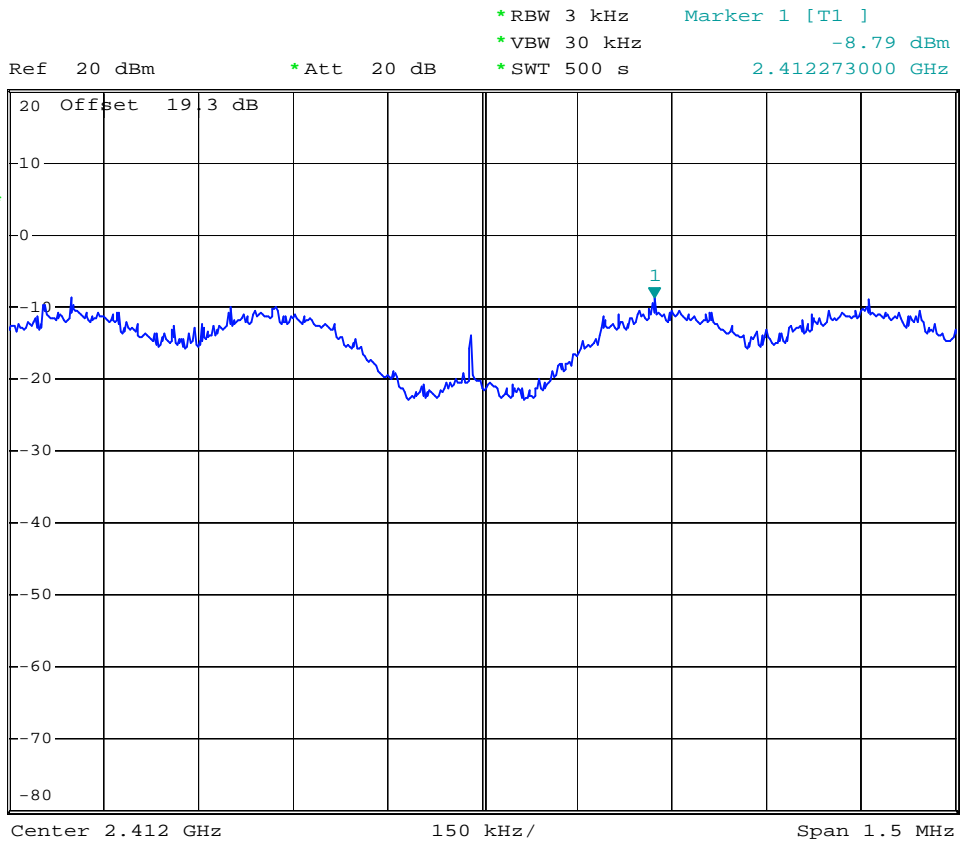
Mode 3



Date: 4.MAR.2008 02:45:48



Mode 4



Date: 4.MAR.2008 03:22:56



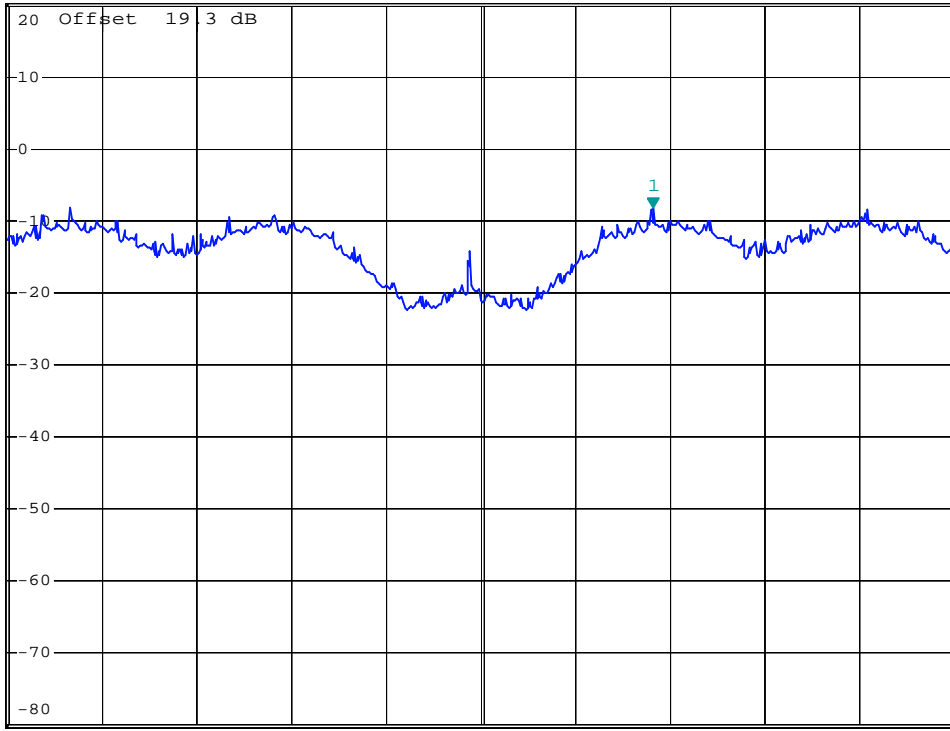
Mode 5



\*RBW 3 kHz      Marker 1 [T1 ]  
\*VBW 30 kHz      -8.18 dBm  
\*SWT 500 s      2.437273000 GHz

Ref 20 dBm

\*Att 20 dB



Center 2.437 GHz

150 kHz/

Span 1.5 MHz

Date: 4.MAR.2008 03:05:25



Mode 6

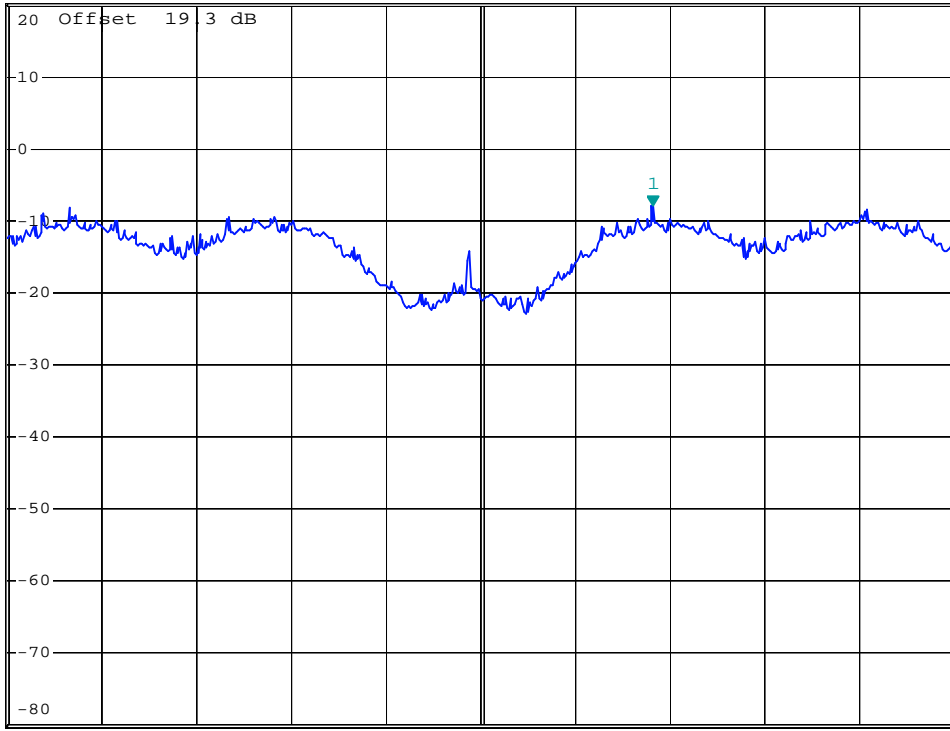


\*RBW 3 kHz      Marker 1 [T1 ]  
 \*VBW 30 kHz      -7.93 dBm  
 \*SWT 500 s      2.462273000 GHz

Ref 20 dBm

\*Att 20 dB

1 PK \*  
CLRWR



Center 2.462 GHz      150 kHz/      Span 1.5 MHz

Date: 4.MAR.2008 02:56:19



5.4 Band Edges Measurement

5.4.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.4.2 Test Procedure :

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

5.4.3 Test Result :

Application Type : WLAN 802.11b/g and BT
Temperature : 26~27°C
Relative Humidity : 48~49%
Test Enginner : Ken

Test Result in WLAN lower band (802.11b/g) : PASS
Test Result in WLAN higher band (802.11b/g) : PASS
Test Result in BT lower band : PASS
Test Result in BT higher band : PASS

5.4.4 Note on Band Edge Emission :

>WLAN 802.11b

CH01 (Horizontal)

Table with 11 columns: Frequency, Level, Over Limit, Limit Line, Read Level, Antenna Factor, Cable Loss, Preamp Factor, Ant Pos, Table Pos, Remark. Rows show data for 2311.33 MHz.

CH01 (Vertical)

Table with 11 columns: Frequency, Level, Over Limit, Limit Line, Read Level, Antenna Factor, Cable Loss, Preamp Factor, Ant Pos, Table Pos, Remark. Rows show data for 2342.68 MHz.



CH11 (Horizontal)

Frequency ( MHz )	Level ( dBuV/m )	Over Limit ( dB )	Limit Line ( dBuV/m )	Read Level ( dBuV )	Antenna Factor ( dB )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Remark
2488.03	50.33	-23.67	74.00	49.98	32.00	4.05	35.70	100	0	Peak
2488.03	39.97	14.04	54.00	39.61	32.00	4.05	35.70	100	24	Average

CH11 (Vertical)

Frequency ( MHz )	Level ( dBuV/m )	Over Limit ( dB )	Limit Line ( dBuV/m )	Read Level ( dBuV )	Antenna Factor ( dB )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Remark
2499.43	50.16	-23.84	74.00	49.81	32.00	4.05	35.70	100	0	Peak
2499.43	39.63	-14.37	54.00	39.28	32.00	4.05	35.70	100	313	Average

>WLAN 802.11g

CH01 (Horizontal)

Frequency ( MHz )	Level ( dBuV/m )	Over Limit ( dB )	Limit Line ( dBuV/m )	Read Level ( dBuV )	Antenna Factor ( dB )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Remark
2389.99	70.53	-3.47	74.00	70.43	31.86	3.92	35.68	100	0	Peak
2389.99	49.08	-4.92	54.00	48.98	31.86	3.92	35.68	129	12	Average

CH01 (Vertical)

Frequency ( MHz )	Level ( dBuV/m )	Over Limit ( dB )	Limit Line ( dBuV/m )	Read Level ( dBuV )	Antenna Factor ( dB )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Remark
2389.99	66.40	-7.60	74.00	66.30	31.86	3.92	35.68	100	0	Peak
2389.99	46.22	-7.78	54.00	46.12	31.86	3.92	35.68	100	306	Average

CH11 (Horizontal)

Frequency ( MHz )	Level ( dBuV/m )	Over Limit ( dB )	Limit Line ( dBuV/m )	Read Level ( dBuV )	Antenna Factor ( dB )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Remark
2485.18	67.29	-6.71	74.00	66.96	31.98	4.05	35.70	100	0	Peak
2485.18	52.45	-1.55	54.00	52.12	31.98	4.05	35.70	100	24	Average

CH11 (Vertical)

Frequency ( MHz )	Level ( dBuV/m )	Over Limit ( dB )	Limit Line ( dBuV/m )	Read Level ( dBuV )	Antenna Factor ( dB )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Remark
2483.66	65.88	-8.12	74.00	65.55	31.98	4.05	35.70	100	0	Peak
2483.66	50.81	-3.19	54.00	50.48	31.98	4.05	35.70	100	305	Average





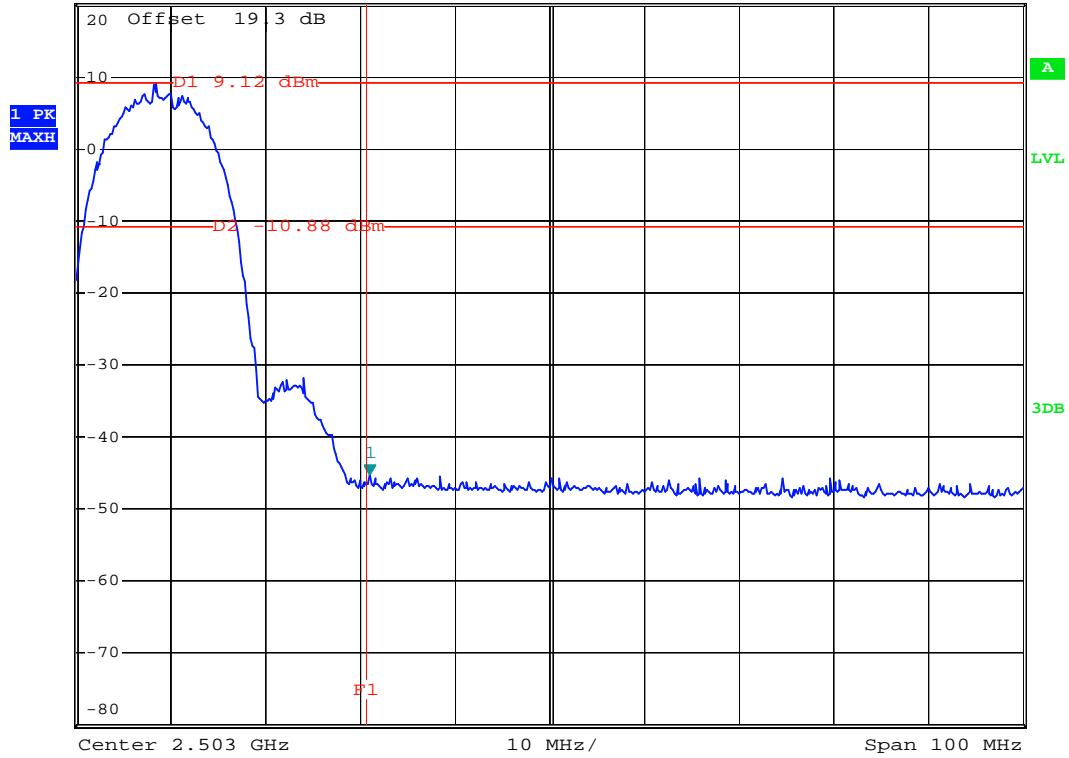


WLAN 802.11b

CH11



Ref 20 dBm      \*Att 20 dB      \*RBW 100 kHz      Marker 1 [T1 ]  
\*VBW 100 kHz      -45.13 dBm  
\*SWT 500 ms      2.484000000 GHz



Date: 4.MAR.2008 03:37:19

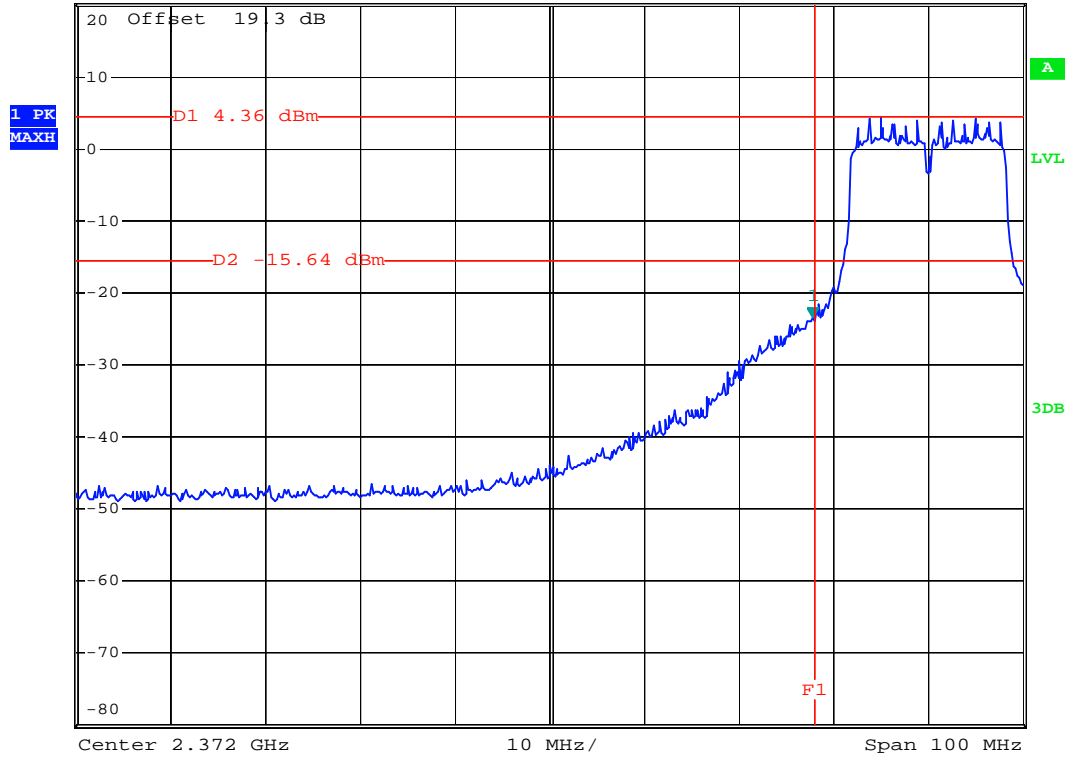


WLAN 802.11g

CH01



Ref 20 dBm      \*Att 20 dB      \*RBW 100 kHz      Marker 1 [T1 ]  
 \*VBW 100 kHz      -23.42 dBm  
 \*SWT 500 ms      2.399800000 GHz



Date: 4.MAR.2008 03:33:06

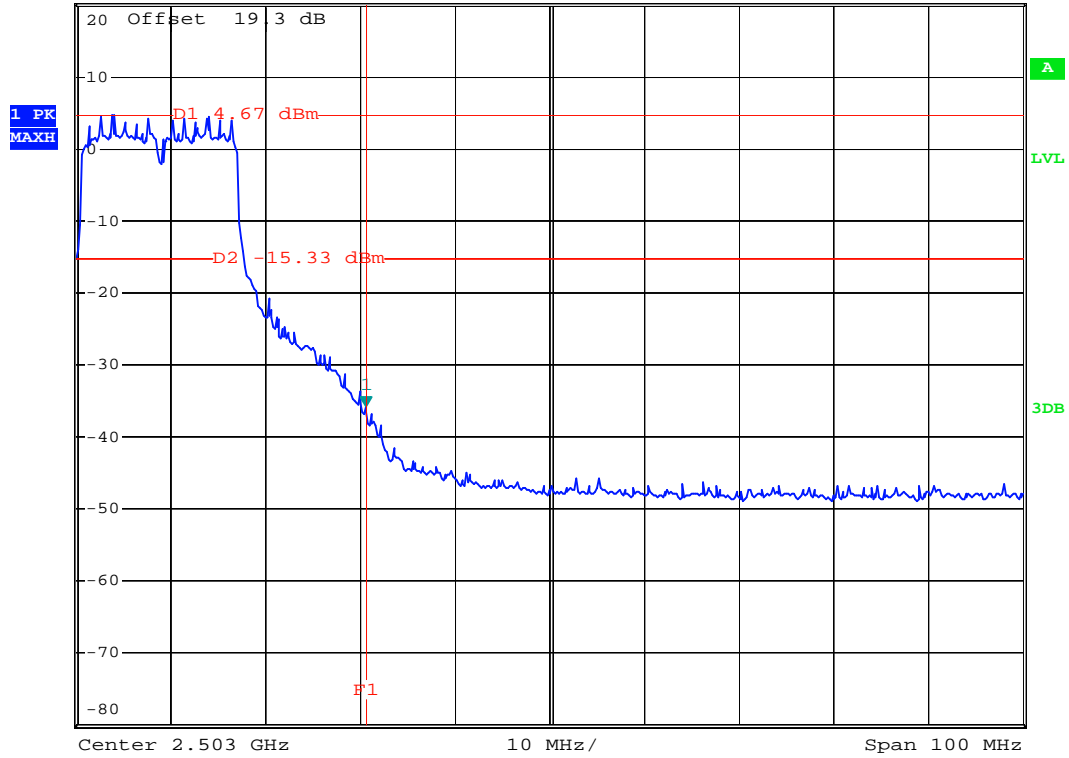


WLAN 802.11g

CH11



Ref 20 dBm      \*Att 20 dB      \*RBW 100 kHz      Marker 1 [T1]  
\*VBW 100 kHz      -35.85 dBm  
\*SWT 500 ms      2.483600000 GHz



Date: 4.MAR.2008 03:38:47

## 5.5 Peak Output Power Measurement

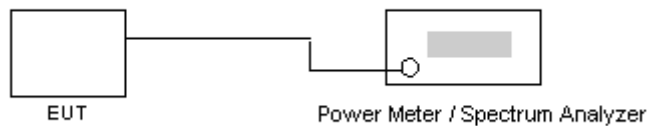
### 5.5.1 Measuring Instruments :

As described in chapter 6 of this test report.

### 5.5.2 Test Procedure :

- a. 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.
- b. 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 and BT

Temperature : 26~27°C

Relative Humidity : 48~49%

Test Engineer : Ken

#### WLAN 802.11b

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	17.22	1W/30dBm
06	2437	17.05	1W/30dBm
11	2462	17.02	1W/30dBm

#### WLAN 802.11g

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	19.05	1W/30dBm
06	2437	19.15	1W/30dBm
11	2462	19.12	1W/30dBm



## 5.6 Conducted Emission

### 5.6.1 Measuring Instruments

As described in chapter 6 of this test Report.

The receiver setting :

150 KHz ~ 30 MHz	Detector : Quasi – Peak and Average Bandwidth : 9 KHz
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### 5.6.2 Test Procedures

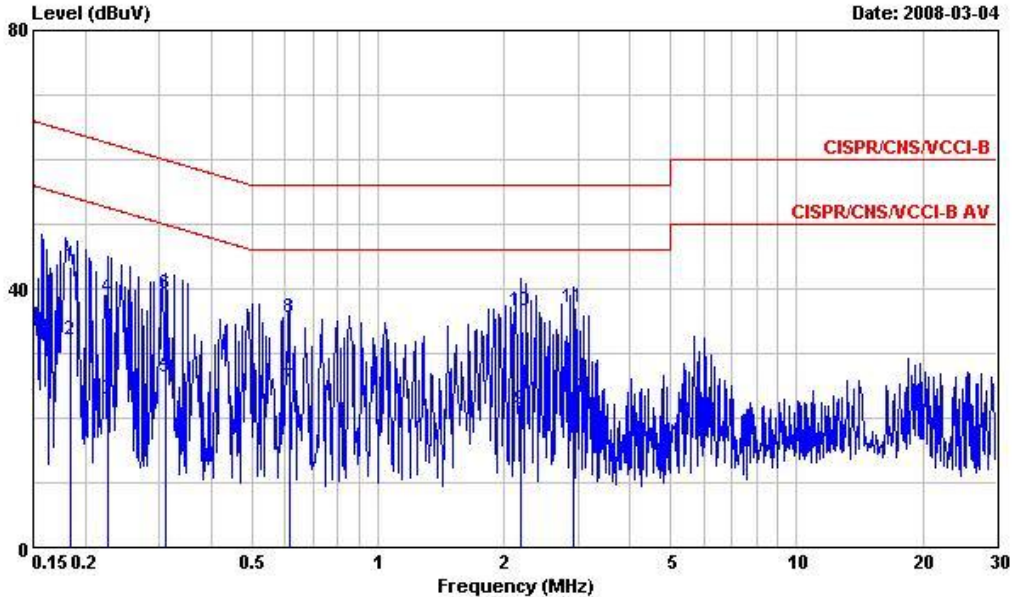
- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power port of a line impedance stabilization network (LISN).
- c. All the support units are connected to the other LISN.
- 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.



5.6.7 Test Data

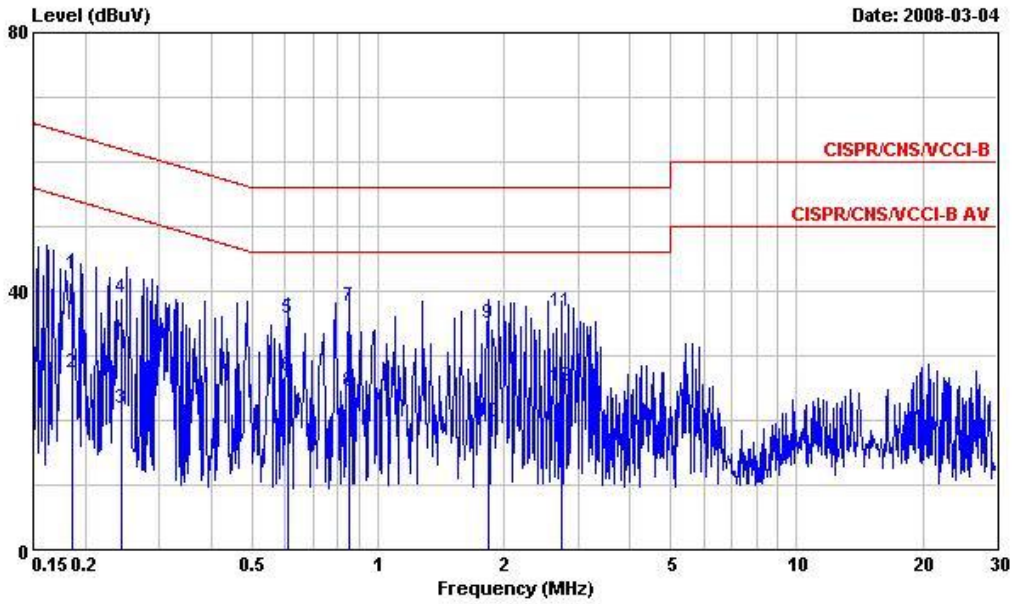
Temperature : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Happy  
 Test Mode : Mode 1

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 WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link  
 Memo : +Battery1 + Adaptor A +Camera 1+GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.1848580	43.49	-20.77	64.26	42.84	0.10	0.55	QP
2	0.1848580	32.11	-22.15	54.26	31.46	0.10	0.55	Average
3	0.2267630	22.91	-29.66	52.57	22.31	0.10	0.50	Average
4	0.2267630	38.78	-23.79	62.57	38.18	0.10	0.50	QP
5	0.3099790	26.39	-23.58	49.97	25.89	0.10	0.40	Average
6	0.3099790	39.34	-20.63	59.97	38.84	0.10	0.40	QP
7	0.6139960	24.78	-21.22	46.00	24.28	0.10	0.40	Average
8	0.6139960	35.64	-20.36	56.00	35.14	0.10	0.40	QP
9	2.200	21.28	-24.72	46.00	20.66	0.10	0.52	Average
10	2.200	36.46	-19.54	56.00	35.84	0.10	0.52	QP
11	2.930	37.01	-18.99	56.00	36.32	0.10	0.59	QP
12	2.930	23.04	-22.96	46.00	22.35	0.10	0.59	Average



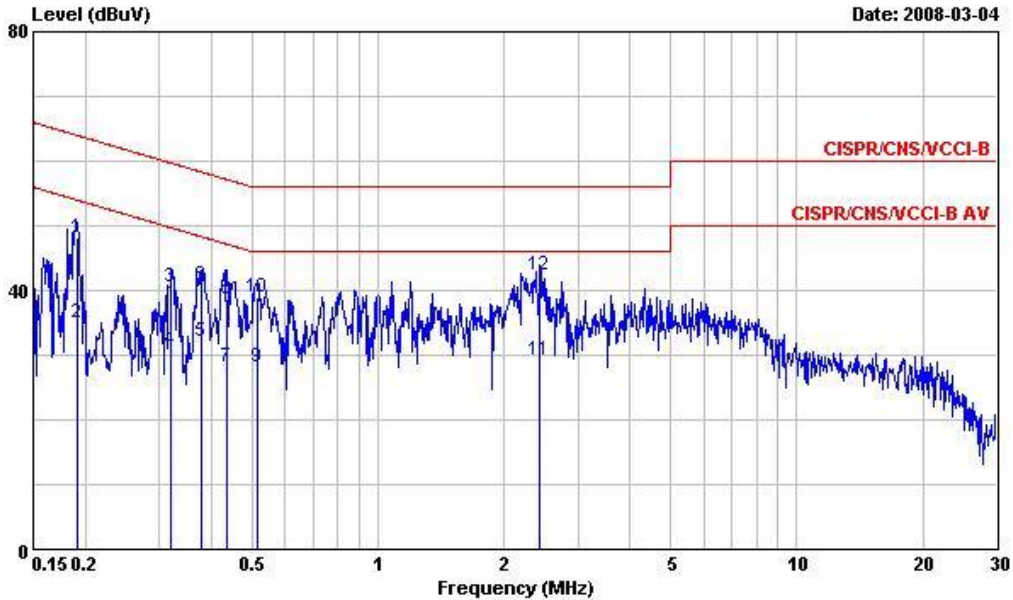
Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link  
 Memo : +Battery1 + Adaptor A +Camera 1+GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.1863950	42.59	-21.61	64.20	41.94	0.10	0.55	QP
2	0.1863950	27.34	-26.86	54.20	26.69	0.10	0.55	Average
3	0.2428790	21.88	-30.12	52.00	21.28	0.10	0.50	Average
4	0.2428790	39.04	-22.96	62.00	38.44	0.10	0.50	QP
5	0.6107510	35.92	-20.08	56.00	35.42	0.10	0.40	QP
6	0.6107510	26.80	-19.20	46.00	26.30	0.10	0.40	Average
7	0.8527650	37.70	-18.30	56.00	37.10	0.10	0.50	QP
8	0.8527650	24.42	-21.58	46.00	23.82	0.10	0.50	Average
9	1.830	35.06	-20.94	56.00	34.46	0.10	0.50	QP
10	1.830	19.66	-26.34	46.00	19.06	0.10	0.50	Average
11	2.734	36.80	-19.20	56.00	36.07	0.15	0.58	QP
12	2.734	25.24	-20.76	46.00	24.51	0.15	0.58	Average



Temperature : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Happy  
 Test Mode : Mode 2

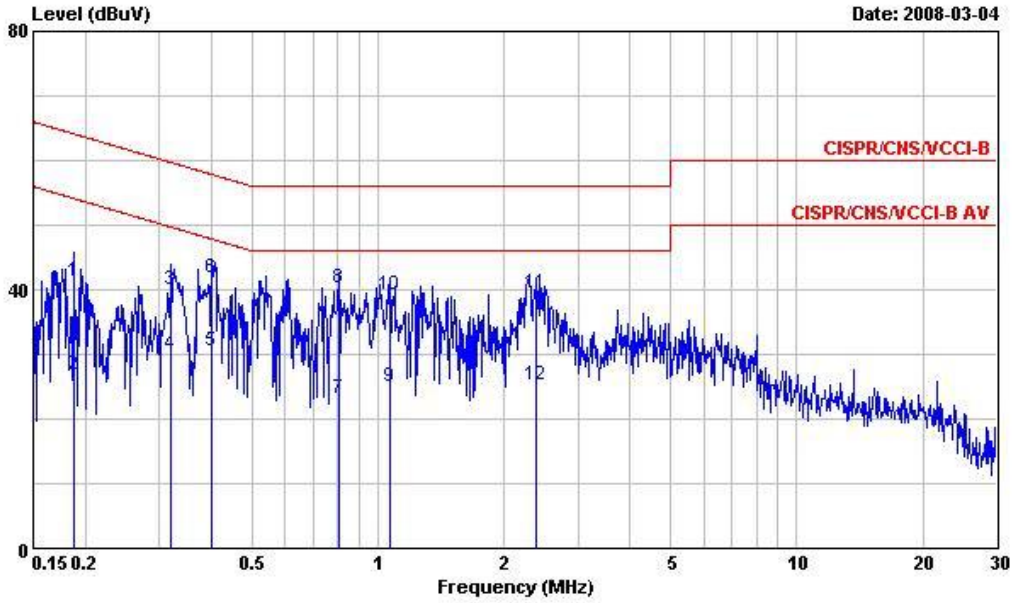
■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link  
 Memo : +Battery2 + Adaptor B +Camera 1 +GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1903870	48.23	-15.79	64.02	47.60	0.10	0.53	QP
2	0.1903870	34.89	-19.13	54.02	34.26	0.10	0.53	Average
3	0.3199920	40.44	-19.27	59.71	39.94	0.10	0.40	QP
4	0.3199920	30.77	-18.94	49.71	30.27	0.10	0.40	Average
5	0.3771120	32.11	-16.23	48.34	31.61	0.10	0.40	Average
6	0.3771120	40.78	-17.56	58.34	40.28	0.10	0.40	QP
7	0.4351090	28.11	-19.04	47.15	27.54	0.10	0.47	Average
8	0.4351090	38.71	-18.44	57.15	38.14	0.10	0.47	QP
9	0.5155030	28.11	-17.89	46.00	27.58	0.10	0.43	Average
10	0.5155030	38.97	-17.03	56.00	38.44	0.10	0.43	QP
11	2.430	29.25	-16.75	46.00	28.60	0.10	0.55	Average
12	2.430	42.41	-13.59	56.00	41.76	0.10	0.55	QP





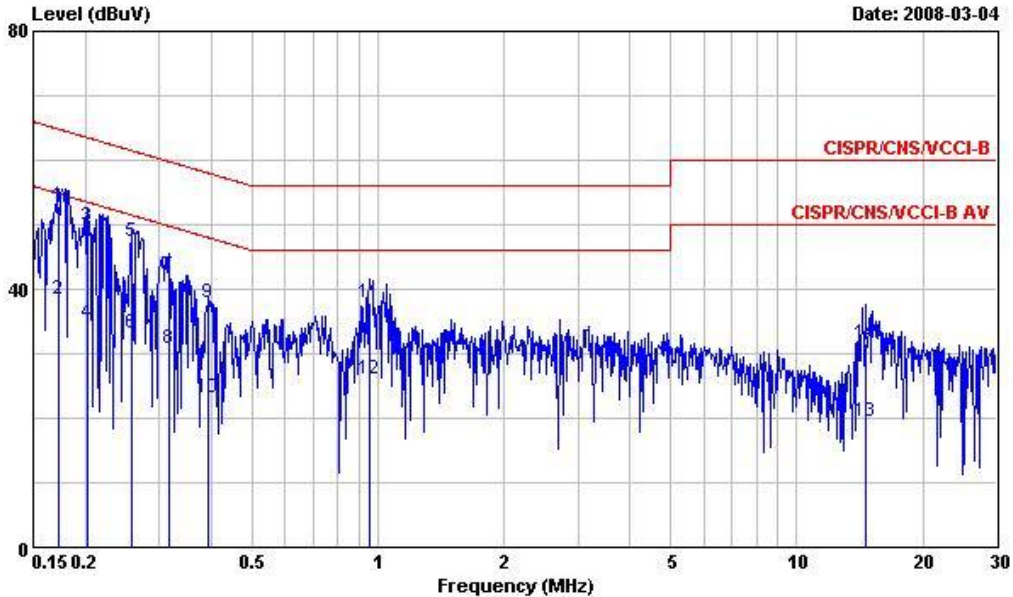
Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link  
 Memo : +Battery2 + Adaptor B +Camera 1 +GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1873850	41.44	-22.71	64.15	40.80	0.10	0.54	QP
2	0.1873850	26.80	-27.35	54.15	26.16	0.10	0.54	Average
3	0.3199920	39.88	-19.83	59.71	39.38	0.10	0.40	QP
4	0.3199920	29.98	-19.73	49.71	29.48	0.10	0.40	Average
5	0.3997440	30.42	-17.44	47.86	29.92	0.10	0.40	Average
6	0.3997440	41.74	-16.12	57.86	41.24	0.10	0.40	QP
7	0.8087580	23.10	-22.90	46.00	22.50	0.10	0.50	Average
8	0.8087580	40.30	-15.70	56.00	39.70	0.10	0.50	QP
9	1.070	24.96	-21.04	46.00	24.36	0.10	0.50	Average
10	1.070	39.20	-16.80	56.00	38.60	0.10	0.50	QP
11	2.380	39.35	-16.65	56.00	38.69	0.12	0.54	QP
12	2.380	25.37	-20.63	46.00	24.71	0.12	0.54	Average



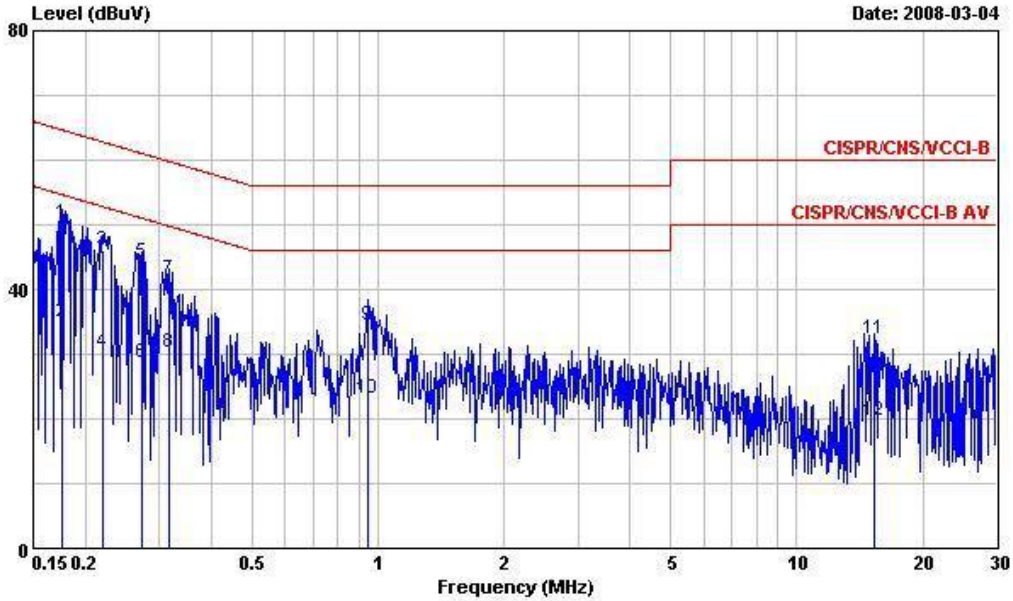
Temperature : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Happy  
 Test Mode : Mode 3

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 WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link+Battery3  
 Memo : USB Cable A+ Adaptor C +Camera 1 +GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1730690	53.00	-11.81	64.81	52.30	0.10	0.60	QP
2	0.1730690	38.31	-16.50	54.81	37.61	0.10	0.60	Average
3	0.2028850	49.66	-13.83	63.49	49.06	0.10	0.50	QP
4	0.2028850	34.70	-18.79	53.49	34.10	0.10	0.50	Average
5	0.2588790	47.46	-14.01	61.47	46.88	0.10	0.48	QP
6	0.2588790	33.03	-18.44	51.47	32.45	0.10	0.48	Average
7	0.3166190	42.16	-17.64	59.80	41.66	0.10	0.40	QP
8	0.3166190	30.85	-18.95	49.80	30.35	0.10	0.40	Average
9	0.3913610	37.88	-20.15	58.03	37.38	0.10	0.40	QP
10	0.3913610	23.15	-24.88	48.03	22.65	0.10	0.40	Average
11	0.9531270	37.98	-18.02	56.00	37.38	0.10	0.50	QP
12	0.9531270	26.13	-19.87	46.00	25.53	0.10	0.50	Average
13	14.590	19.53	-30.47	50.00	18.16	0.58	0.79	Average
14	14.590	31.63	-28.37	60.00	30.26	0.58	0.79	QP



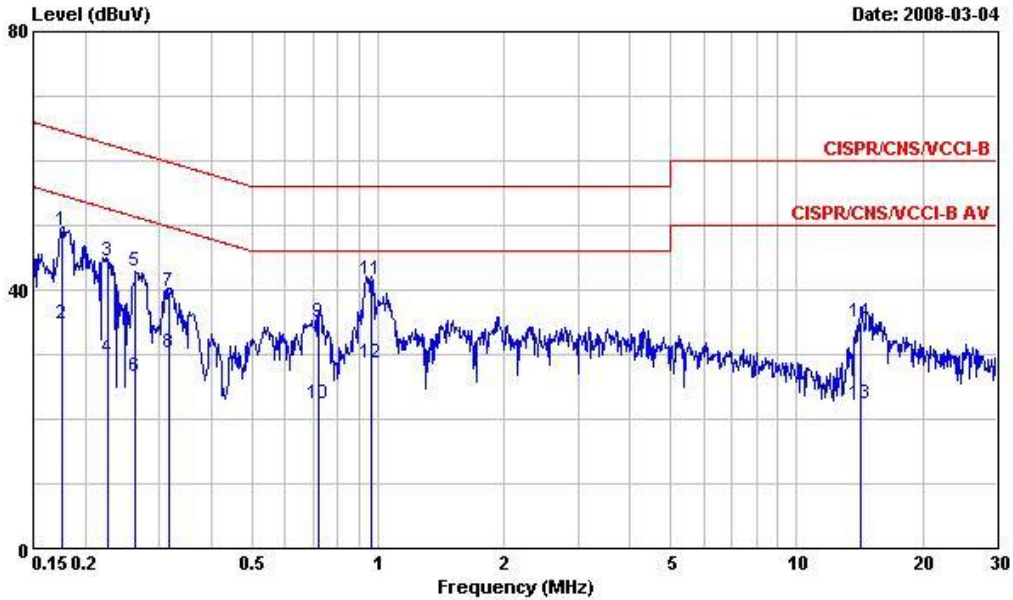
Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link +Battery3  
 Memo : USB Cable A+ Adaptor C +Camera 1 +GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.1758420	50.31	-14.37	64.68	49.62	0.10	0.59	QP
2	0.1758420	35.09	-19.59	54.68	34.40	0.10	0.59	Average
3	0.2196670	45.98	-16.85	62.83	45.38	0.10	0.50	QP
4	0.2196670	30.36	-22.47	52.83	29.76	0.10	0.50	Average
5	0.2715230	44.31	-16.76	61.07	43.76	0.10	0.45	QP
6	0.2715230	28.65	-22.42	51.07	28.10	0.10	0.45	Average
7	0.3166190	41.50	-18.30	59.80	41.00	0.10	0.40	QP
8	0.3166190	30.30	-19.50	49.80	29.80	0.10	0.40	Average
9	0.9480900	34.58	-21.42	56.00	33.98	0.10	0.50	QP
10	0.9480900	23.27	-22.73	46.00	22.67	0.10	0.50	Average
11	15.310	32.34	-27.66	60.00	31.24	0.30	0.80	QP
12	15.310	19.65	-30.35	50.00	18.55	0.30	0.80	Average



Temperature : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Happy  
 Test Mode : Mode 4

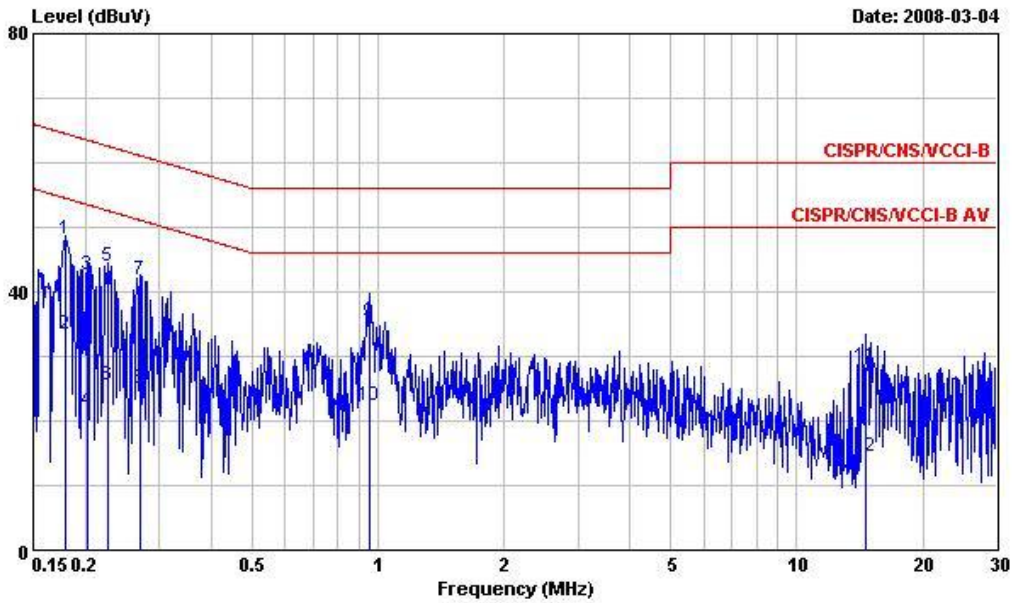
■ The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link +Battery3  
 Memo : USB Cable B+ Adaptor C +Camera 1 +GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.1758420	49.11	-15.57	64.68	48.42	0.10	0.59	QP
2	0.1758420	34.75	-19.93	54.68	34.06	0.10	0.59	Average
3	0.2267630	44.42	-18.15	62.57	43.82	0.10	0.50	QP
4	0.2267630	29.59	-22.98	52.57	28.99	0.10	0.50	Average
5	0.2630270	42.77	-18.57	61.34	42.20	0.10	0.47	QP
6	0.2630270	26.59	-24.75	51.34	26.02	0.10	0.47	Average
7	0.3166190	39.86	-19.94	59.80	39.36	0.10	0.40	QP
8	0.3166190	30.35	-19.45	49.80	29.85	0.10	0.40	Average
9	0.7197740	35.08	-20.92	56.00	34.58	0.10	0.40	QP
10	0.7197740	22.33	-23.67	46.00	21.83	0.10	0.40	Average
11	0.9632810	41.62	-14.38	56.00	41.02	0.10	0.50	QP
12	0.9632810	28.67	-17.33	46.00	28.07	0.10	0.50	Average
13	14.210	22.47	-27.53	50.00	21.13	0.55	0.79	Average
14	14.210	34.88	-25.12	60.00	33.54	0.55	0.79	QP





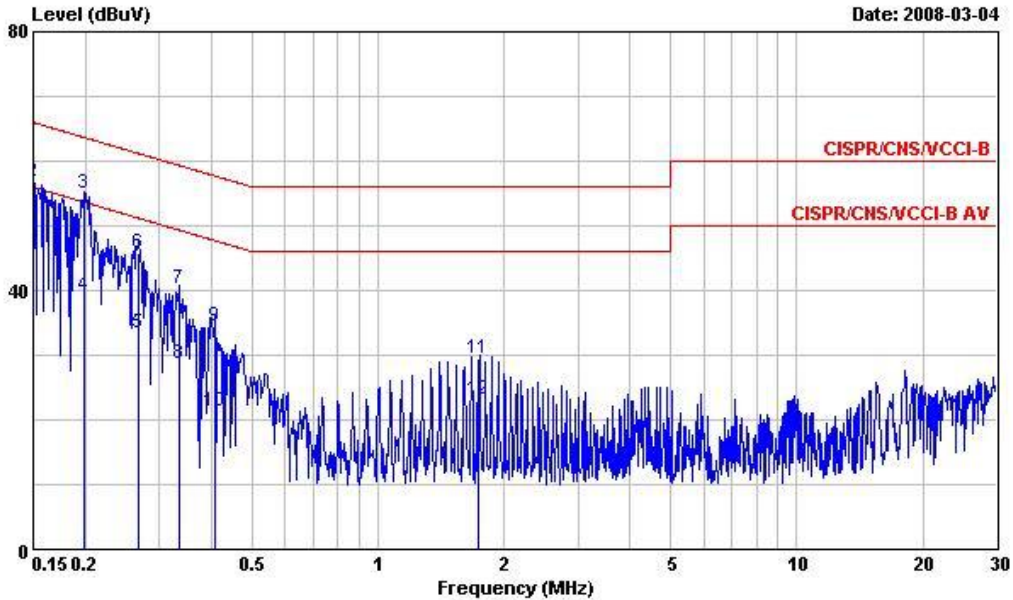
Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: 120Vac/50Hz  
 Model : FR822609-01  
 Memo : PCS 1900 Idle+BT Link+WLAN Link +Battery3  
 Memo : USB Cable B+ Adaptor C +Camera 1 +GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Over	Limit	Read	LISN	Cable		
Freq	Level	Limit	Line	Level	Factor	Loss	
MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1786590	48.26	-16.29	64.55	47.58	0.10	0.58 QP
2	0.1786590	33.52	-21.03	54.55	32.84	0.10	0.58 Average
3	0.2028850	42.60	-20.89	63.49	42.00	0.10	0.50 QP
4	0.2028850	21.53	-31.96	53.49	20.93	0.10	0.50 Average
5	0.2255640	43.92	-18.69	62.61	43.32	0.10	0.50 QP
6	0.2255640	25.51	-27.10	52.61	24.91	0.10	0.50 Average
7	0.2700880	41.78	-19.34	61.12	41.22	0.10	0.46 QP
8	0.2700880	25.08	-26.04	51.12	24.52	0.10	0.46 Average
9	0.9531270	35.36	-20.64	56.00	34.76	0.10	0.50 QP
10	0.9531270	22.30	-23.70	46.00	21.70	0.10	0.50 Average
11	14.590	28.37	-31.63	60.00	27.28	0.30	0.79 QP
12	14.590	14.40	-35.60	50.00	13.31	0.30	0.79 Average



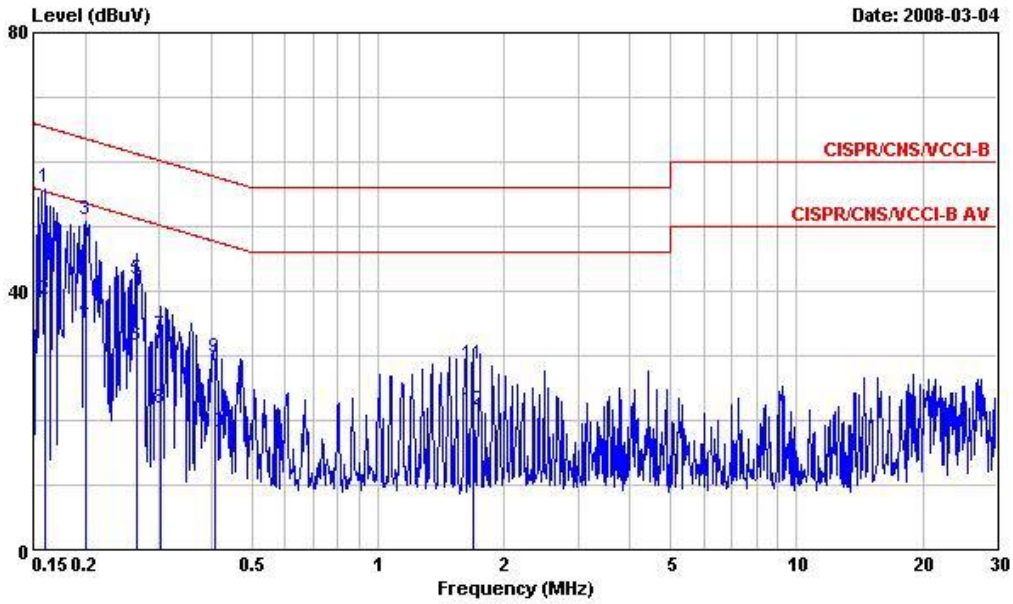
Temperature : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Happy  
 Test Mode : Mode 5

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 WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: From NoteBook  
 Model : FR822609-01  
 Memo : EDGE Idle+BT Link+WLAN Link +Battery3  
 Memo : USB A Link+Camera 2+GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150000	33.66	-22.34	56.00	32.86	0.10	0.70	Average
2	@0.150000	56.88	-9.12	66.00	56.08	0.10	0.70	QP
3	@0.1986310	55.12	-8.55	63.67	54.52	0.10	0.50	QP
4	0.1986310	39.18	-14.49	53.67	38.58	0.10	0.50	Average
5	0.2672410	33.43	-17.77	51.20	32.87	0.10	0.46	Average
6	0.2672410	45.80	-15.40	61.20	45.24	0.10	0.46	QP
7	0.3338470	40.20	-19.15	59.35	39.70	0.10	0.40	QP
8	0.3338470	28.72	-20.63	49.35	28.22	0.10	0.40	Average
9	0.4061490	34.47	-23.26	57.73	33.96	0.10	0.41	QP
10	0.4061490	21.39	-26.34	47.73	20.88	0.10	0.41	Average
11	1.740	29.36	-26.64	56.00	28.76	0.10	0.50	QP
12	1.740	23.10	-22.90	46.00	22.50	0.10	0.50	Average



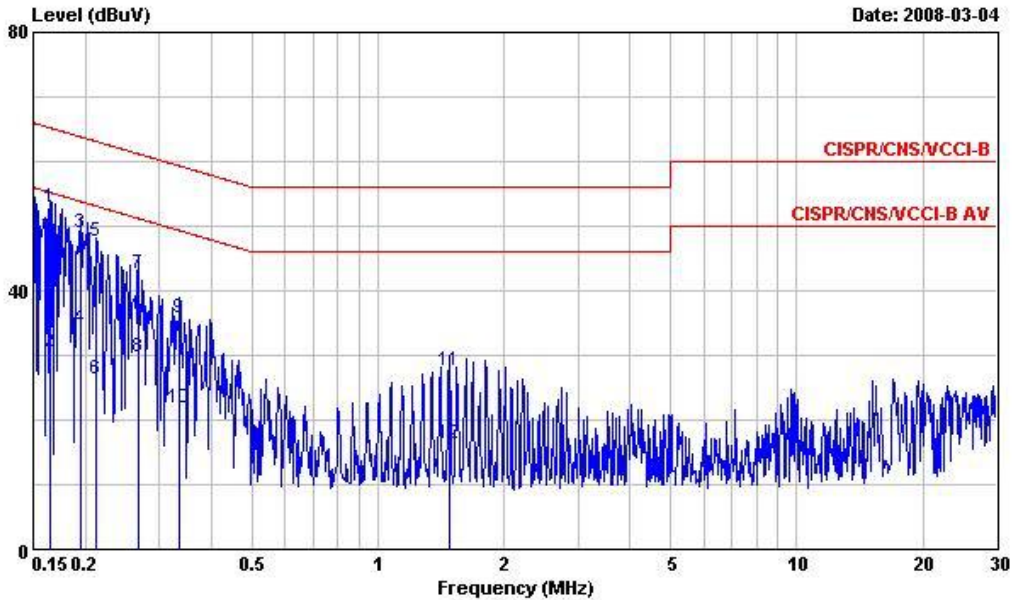
Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: From Notebook  
 Model : FR822609-01  
 Memo : EDGE Idle+BT Idle+BT Link+WLAN Link +Battery3  
 Memo : USB A Link+Camera 2+GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Level	Over	Limit	Read	LISN	Cable	
Freq	dBuV	Limit	Line	Level	Factor	Loss	Remark
MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 @ 0.1598470	56.08	-9.39	65.47	55.32	0.10	0.66	QP
2 0.1598470	38.82	-16.65	55.47	38.06	0.10	0.66	Average
3 0.1996860	51.04	-12.58	63.62	50.44	0.10	0.50	QP
4 0.1996860	35.79	-17.83	53.62	35.19	0.10	0.50	Average
5 0.2644240	41.85	-19.44	61.29	41.28	0.10	0.47	QP
6 0.2644240	31.54	-19.75	51.29	30.97	0.10	0.47	Average
7 0.3034790	33.22	-26.93	60.15	32.72	0.10	0.40	QP
8 0.3034790	21.75	-28.40	50.15	21.25	0.10	0.40	Average
9 0.4061490	29.83	-27.90	57.73	29.32	0.10	0.41	QP
10 0.4061490	18.06	-29.67	47.73	17.55	0.10	0.41	Average
11 1.680	28.74	-27.26	56.00	28.14	0.10	0.50	QP
12 1.680	21.57	-24.43	46.00	20.97	0.10	0.50	Average



Temperature : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Happy  
 Test Mode : Mode 6

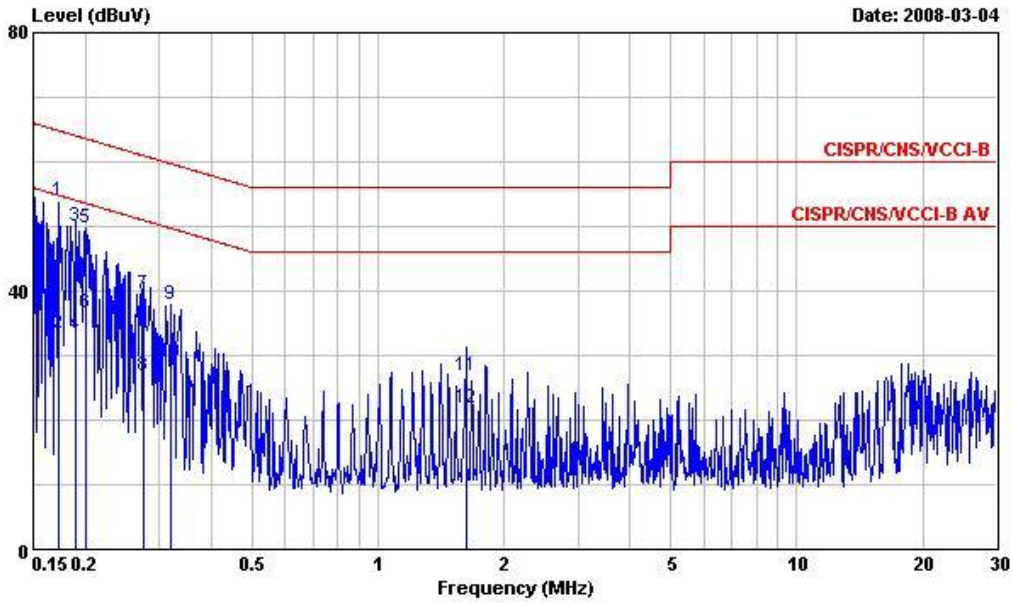
The test that passed at minimum margin was marked by the frame in the following table.



Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 LINE  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: From NoteBook  
 Model : FR822609-01  
 Memo : EDGE Idle+BT Link+WLAN Link +Battery3  
 Memo : USB B Link+MPEG4+GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1641380	52.88	-12.37	65.25	52.14	0.10	0.64	QP
2	0.1641380	30.45	-24.80	55.25	29.71	0.10	0.64	Average
3	0.1944650	49.00	-14.84	63.84	48.38	0.10	0.52	QP
4	0.1944650	34.26	-19.58	53.84	33.64	0.10	0.52	Average
5	0.2127940	47.68	-15.42	63.10	47.08	0.10	0.50	QP
6	0.2127940	26.41	-26.69	53.10	25.81	0.10	0.50	Average
7	0.2672410	42.52	-18.68	61.20	41.96	0.10	0.46	QP
8	0.2672410	29.76	-21.44	51.20	29.20	0.10	0.46	Average
9	0.3356200	35.78	-23.53	59.31	35.28	0.10	0.40	QP
10	0.3356200	21.83	-27.48	49.31	21.33	0.10	0.40	Average
11	1.480	27.50	-28.50	56.00	26.90	0.10	0.50	QP
12	1.480	16.42	-29.58	46.00	15.82	0.10	0.50	Average





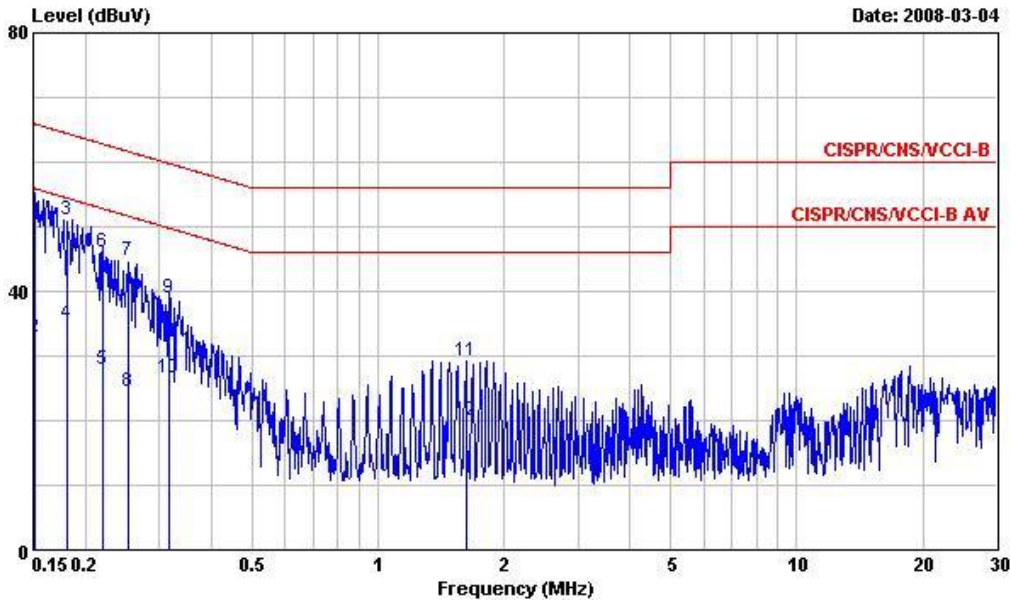
Site : CO04-HY  
 Condition : CISPR/CNS/VCCI-B LISN 200604 99041 NEUTRAL  
 EUT : PDA Phone WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: From NoteBook  
 Model : FR822609-01  
 Memo : EDGE Idle+BT Link+WLAN Link +Battery3  
 Memo : USB B Link+MPEG4+GPS Rx  
 IMEI : 35755901001791501  
 SAMPLE : (A-M)

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1721540	54.00	-10.86	64.86	53.30	0.10	0.60	QP
2	0.1721540	33.34	-21.52	54.86	32.64	0.10	0.60	Average
3	0.1893810	49.92	-14.14	64.06	49.28	0.10	0.54	QP
4	0.1893810	33.08	-20.98	54.06	32.44	0.10	0.54	Average
5	0.2007470	49.78	-13.80	63.58	49.18	0.10	0.50	QP
6	0.2007470	36.71	-16.87	53.58	36.11	0.10	0.50	Average
7	0.2758730	39.39	-21.55	60.94	38.84	0.10	0.45	QP
8	0.2758730	26.96	-23.98	50.94	26.41	0.10	0.45	Average
9	0.3199920	37.84	-21.87	59.71	37.34	0.10	0.40	QP
10	0.3199920	28.82	-20.89	49.71	28.32	0.10	0.40	Average
11	1.620	26.80	-29.20	56.00	26.20	0.10	0.50	QP
12	1.620	21.95	-24.05	46.00	21.35	0.10	0.50	Average



Temperature : 26~27°C  
 Relative Humidity : 48~49%  
 Test Enginner : Happy  
 Test Mode : Mode 7

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 WCDMA (band I/VIII)  
 : +GSM/GPRS/EDGE(900/1800/1900)  
 POWER: From NoteBook  
 Model : FR822609-01  
 Memo : EDGE Idle+BT Link+WLAN Link +Battery3  
 Memo : USB A Link+Camera 2+GPS Rx  
 IMEI : 357559010018905  
 SAMPLE : (A-S)

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	@0.1515980	55.49	-10.42	65.91	54.70	0.10	0.69	QP
2	0.1515980	32.84	-23.07	55.91	32.05	0.10	0.69	Average
3	0.1803480	51.07	-13.40	64.47	50.40	0.10	0.57	QP
4	0.1803480	34.88	-19.59	54.47	34.21	0.10	0.57	Average
5	0.2196670	27.89	-24.94	52.83	27.29	0.10	0.50	Average
6	0.2196670	46.16	-16.67	62.83	45.56	0.10	0.50	QP
7	0.2521110	44.64	-17.05	61.69	44.04	0.10	0.50	QP
8	0.2521110	24.47	-27.22	51.69	23.87	0.10	0.50	Average
9	0.3166190	39.02	-20.78	59.80	38.52	0.10	0.40	QP
10	0.3166190	26.49	-23.31	49.80	25.99	0.10	0.40	Average
11	1.620	29.30	-26.70	56.00	28.70	0.10	0.50	QP
12	1.620	20.05	-25.95	46.00	19.45	0.10	0.50	Average