



FCC TEST REPORT

for

47 CFR Part 15 Subpart C

Equipment : NOTEBOOK (FLYBOOK)
Trade Name : DIALOGUE
Model No. : VMW1BB
FCC ID : JYV-VMW1BB
Filing Type : Certification
Applicant : **Dialogue Technology Corp.**
10F, No. 196, Sec. 2, Jungshing Rd., Shindian City, Taipei 231, Taiwan, R.O.C.

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- The data shown in this test report were carried out on Jun. 08, 2006 at **Sporton International Inc. LAB.**
- Report No.: FR632813-A, Report Version: Rev. 01

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History of this test report

Report Issue Date: Jun. 12, 2006

Report No.	Description



1. General Description of Equipment under Test

1.1 Applicant

Dialogue Technology Corp.

10F, No. 196, Sec. 2, Jungshing Rd., Shindian City, Taipei 231, Taiwan, R.O.C.

1.2 Manufacturer

Dialogue Technology Corp.

10F, No. 196, Sec. 2, Jungshing Rd., Shindian City, Taipei 231, Taiwan, R.O.C.

1.3 Basic Description of Equipment under Test

Equipment	: NOTEBOOK (FLYBOOK)
Trade Name	: DIALOGUE
Model No.	: VMW1BB
FCC ID	: JYV-VMW1BB
Power Supply Type	: Switching
AC Power Cord	: AC 120V, Weave-shielded, Wall-mount, 3.5 meter, 2 pin

1.4 Feature of Equipment under Test

Product Feature & Specification				
1. Type of Modulation	WLAN : DSSS / OFDM BT : GFSK			
2. Number of Channels	802.11b/g : 11 Channels 802.11a : 5 Channels (Band III) / 8 Channels (Band I and II) BT : 79 Channels			
3. Frequency Band	802.11b/g : 2400MHz ~ 2483.5MHz 802.11a : 5150 ~ 5250MHz (Band I) / 5250 ~ 5350MHz (Band II) / 5725MHz ~ 5850MHz (Band III) BT : 2400MHz ~ 2483.5MHz			
4. Carrier Frequency of each channel	802.11b/g : 2412MHz+(n-1)*5MHz, n=1~11 802.11a Band III : 5000+n*5 MHz, n=149, 153, 157, 161, 165 802.11a Band I and II : 5000+n*5 MHz, n=36, 40, 44, 48, 52, 56, 60, 64 BT : 2402MHz+n*1MHz, n=0~78			
5. Channel Spacing	802.11b/g : 5MHz 802.11a : 20MHz BT : 1MHz			
6. Maximum Output Power to Antenna (Normal Condition)	802.11b : 17.77 dBm / 802.11g: 21.94 dBm 802.11a : 15.73 dBm (Band I) / 15.07 dBm (Band II) / 18.37 dBm (Band III) BT : 1.99 dBm			
7. Type of Antenna Connector	I-PEX			
8. Antenna Type	PIFA			
9. Antenna Gain	802.11b/g : 0.1 dBi 802.11a : 3.49 dBi BT : -4.78 dBi			
10. Function Type	Transmitter		Transceiver	V

2 Test Configuration of Equipment under Test

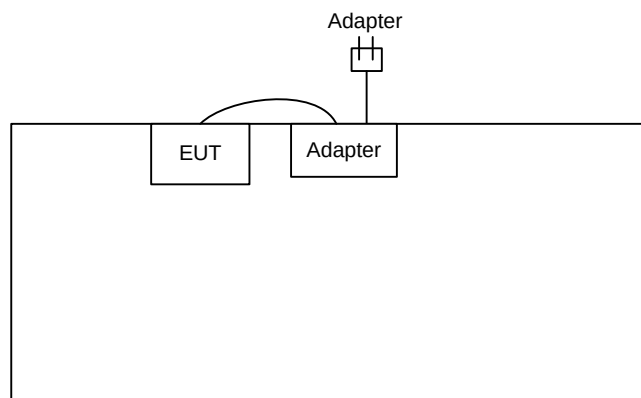
2.1 Test Manner

- 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				
	802.11b	802.11g	802.11a	BT
Radiated Emission	Mode 1: CH01_2412 MHz	Mode 4: CH01_2412 MHz	Mode 7: CH149_5745MHz	Mode 10: CH00_2402 MHz
	Mode 2: CH06_2437 MHz	Mode 5: CH06_2437 MHz	Mode 8: CH157_5785MHz	Mode 11: CH39_2441 MHz
	Mode 3: CH11_2462 MHz	Mode 6: CH11_2462 MHz	Mode 9: CH165_5825MHz	Mode 12: CH78_2480 MHz
Conducted Emission	Mode 1: 11g_Tx_CH06_2437 MHz			
	Mode 2: 11a_Tx_CH36_5180 MHz			
	Mode 3: BT_Tx_CH39_2441 MHz			

2.3 Connection Diagram of Test System



2.4 Ancillary Equipment List

N/A



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 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 : CO01-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

4.4 Frequency Range Investigated

- a. Conduction: from 150 kHz to 30 MHz
- b. Radiation: from 30 MHz to 25000 MHz for 802.11b/g and Bluetooth
- c. Radiation: from 30 MHz to 40000MHz for 802.11a

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 & 20dB Bandwidth	Pass
15.247(b)	Maximum Peak Output Power	Pass
15.209(a)	Radiated Emission	Pass
15.247 (c)	100kHz Bandwidth of Frequency Band Edges	Pass
15.247(d)	Power Spectral Density	Pass
15.203 15.247(b)(4)	Antenna Requirement	Pass

**The Emission Mode: Bluetooth**

FCC Rule	Description of Test	Result
15.207	Conducted Emission	Pass
<u>15.247(a)(1)</u>	Hopping Channel Bandwidth	Pass
<u>15.247(a)(1)</u>	Hopping Channel Separation	Pass
<u>15.247(a)(1)(iii)</u>	Number of Hopping Frequency Used	Pass
<u>15.247(a)(1)(iii)</u>	Dwell Time of Each Frequency	Pass
<u>15.247(b)</u>	Output Power	Pass
15.247(c)	100kHz Bandwidth of Frequency Band Edges	Pass
15.209(a)	Radiated Emission	Pass
<u>15.203</u> 15.247(b)(4)	Antenna Requirement	Pass

5.2 6dB Bandwidth Measurement

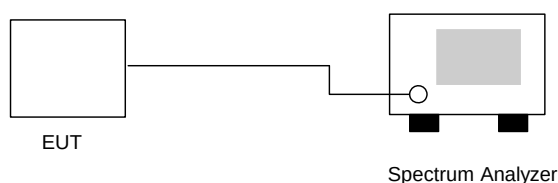
5.2.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.2.2 Test Procedure :

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 and 20 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 : 21°C
- Relative Humidity : 61%
- Test Enginner : James

802.11b

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	8.12	> 0.5MHz	Mode 1
06	2437	8.12	> 0.5MHz	Mode 2
11	2462	9.00	> 0.5MHz	Mode 3

802.11g

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	16.40	> 0.5MHz	Mode 4
06	2437	16.44	> 0.5MHz	Mode 5
11	2462	16.44	> 0.5MHz	Mode 6

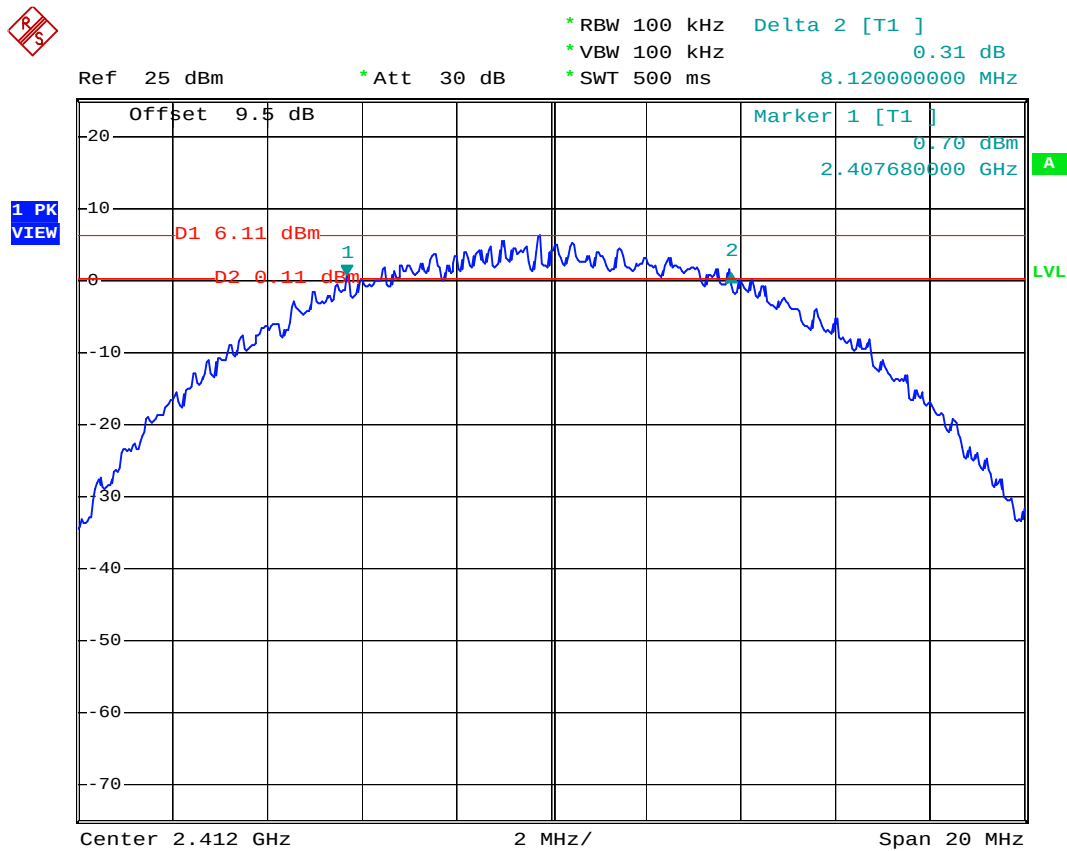
**802.11a**

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
149	5745	16.40	> 0.5MHz	Mode 7
159	5785	16.40	> 0.5MHz	Mode 8
165	5825	16.40	> 0.5MHz	Mode 9



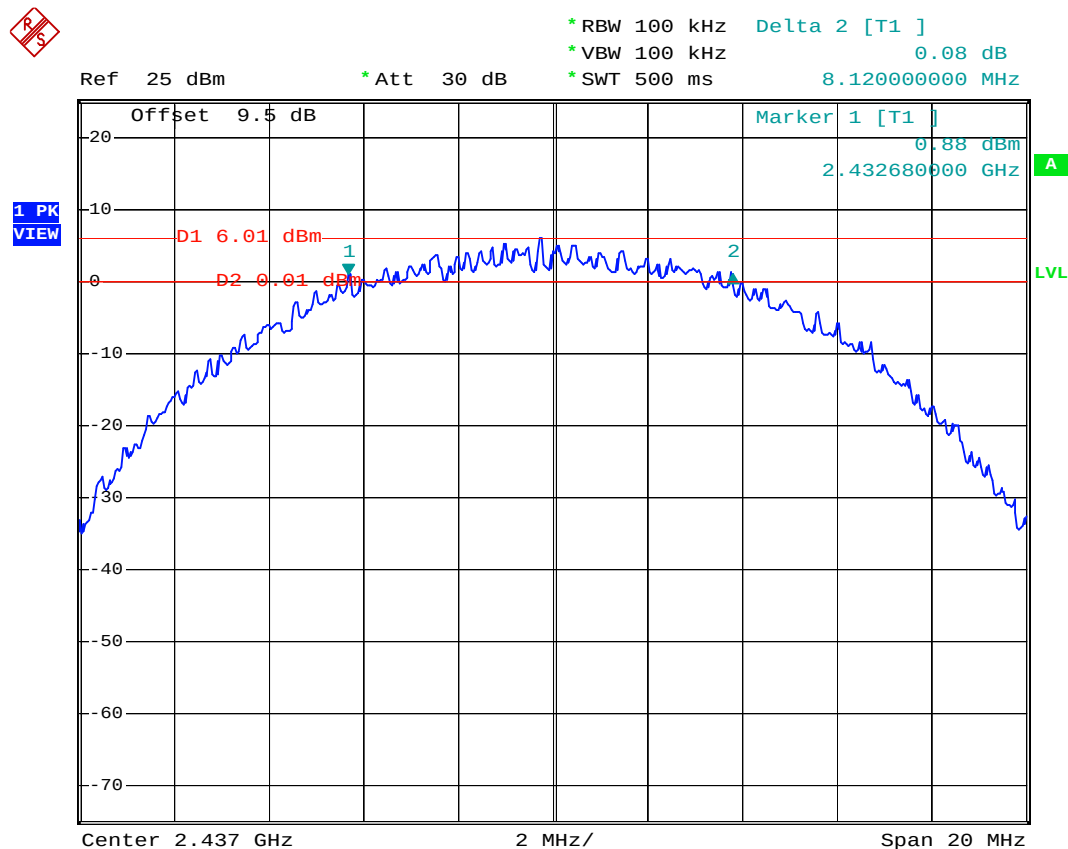
5.2.5 6dB Bandwidth

Mode 1



Date: 5.MAY.2006 18:21:42

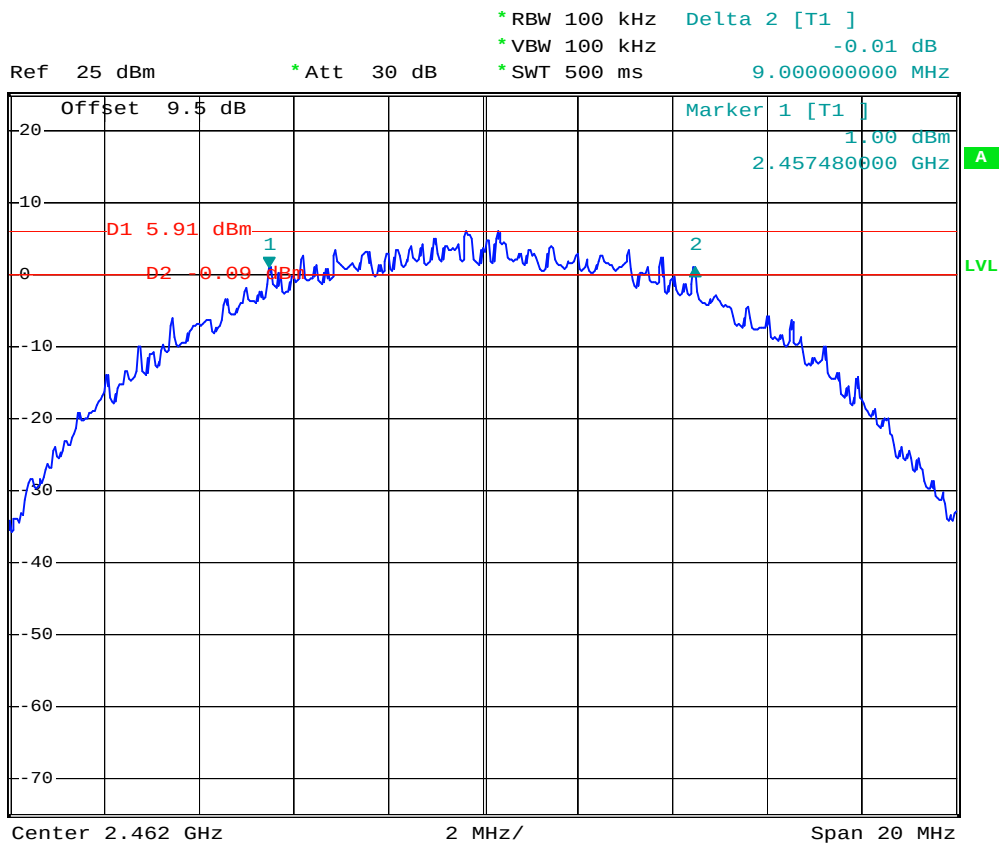
Mode 2



Date: 5.MAY.2006 18:23:07



Mode 3



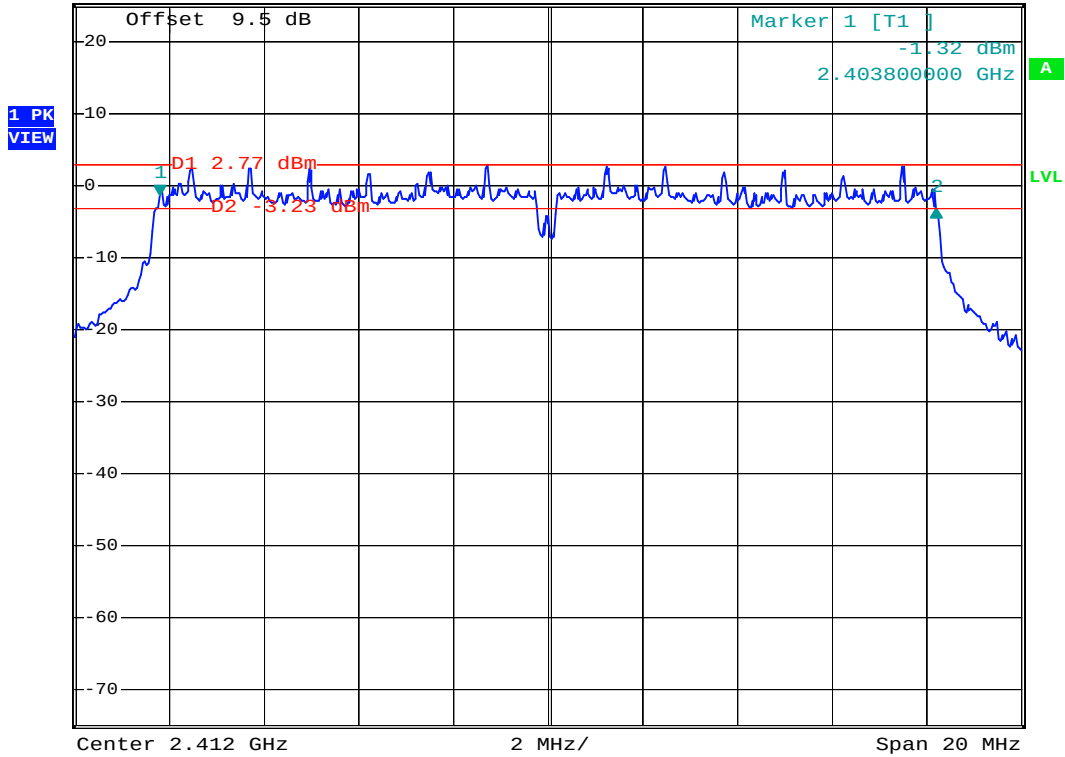
Date: 5.MAY.2006 18:25:38



Mode 4



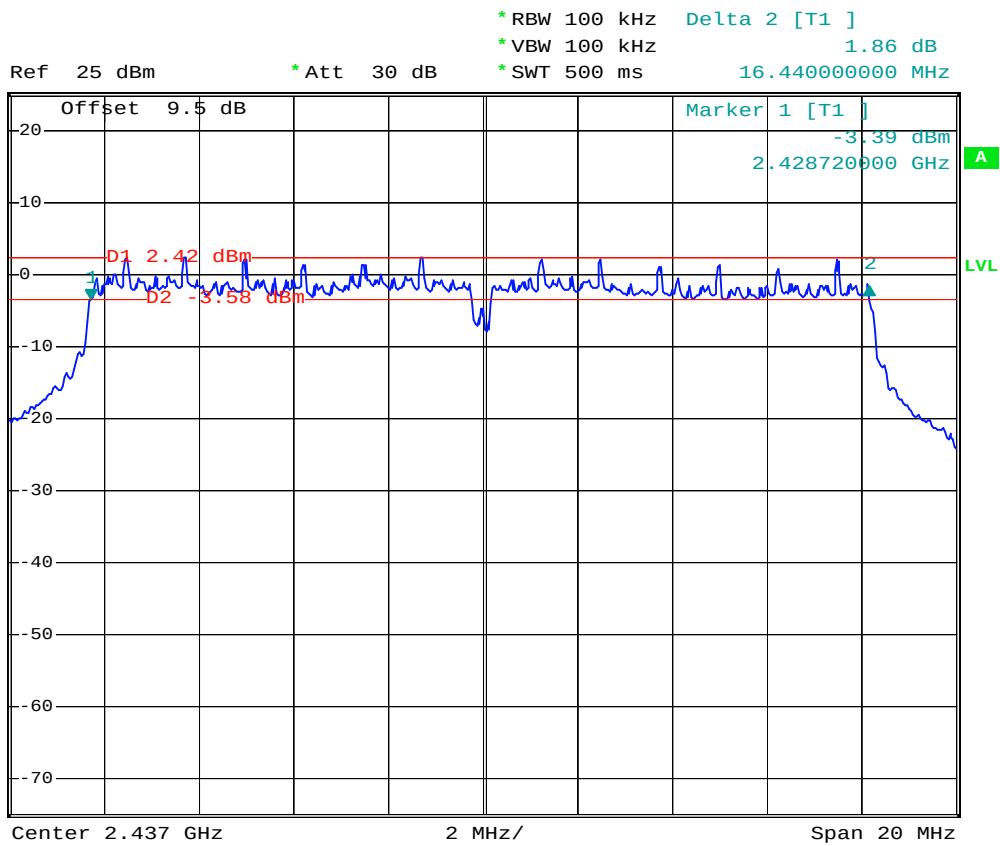
Ref 25 dBm * Att 30 dB * RBW 100 kHz Delta 2 [T1]
* VBW 100 kHz -1.89 dB
* SWT 500 ms 16.400000000 MHz



Date: 5.MAY.2006 19:27:37



Mode 5



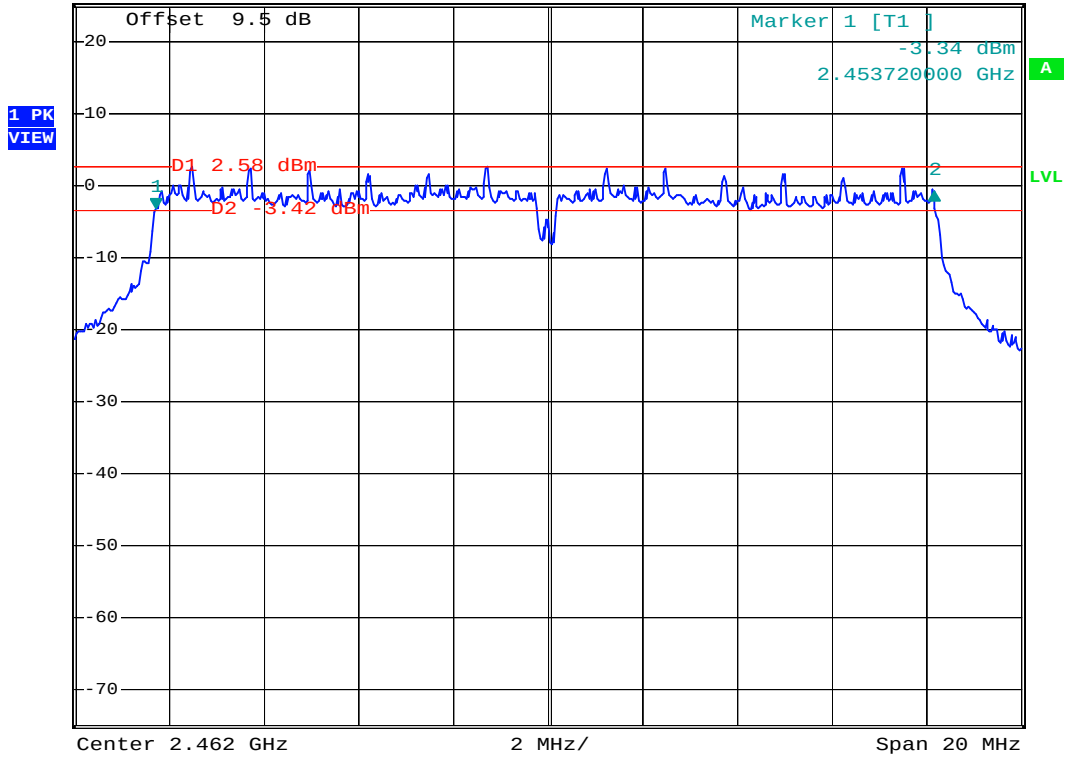
Date: 5.MAY.2006 19:32:33



Mode 6



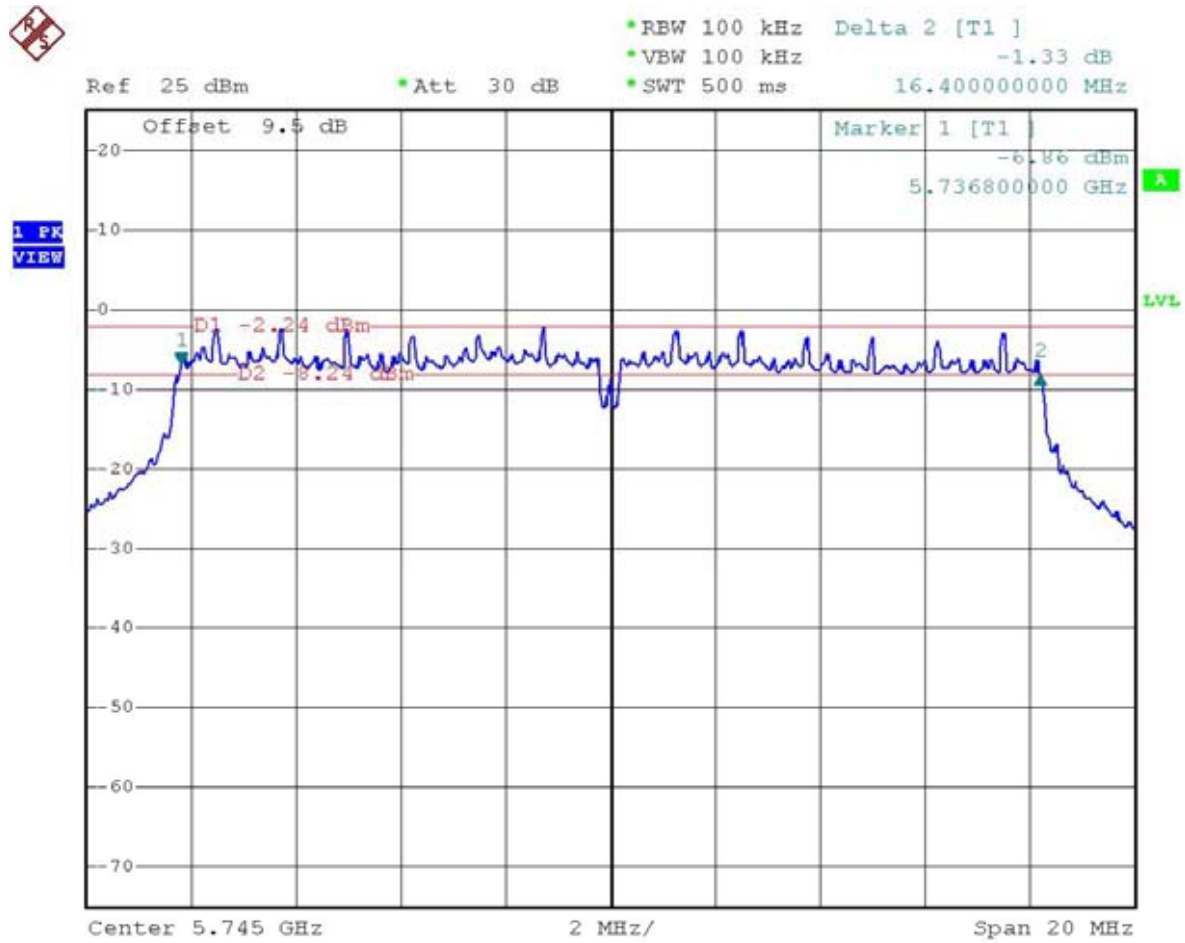
Ref 25 dBm * Att 30 dB * RBW 100 kHz Delta 2 [T1]
* VBW 100 kHz 2.36 dB
* SWT 500 ms 16.440000000 MHz



Date: 5.MAY.2006 19:33:53



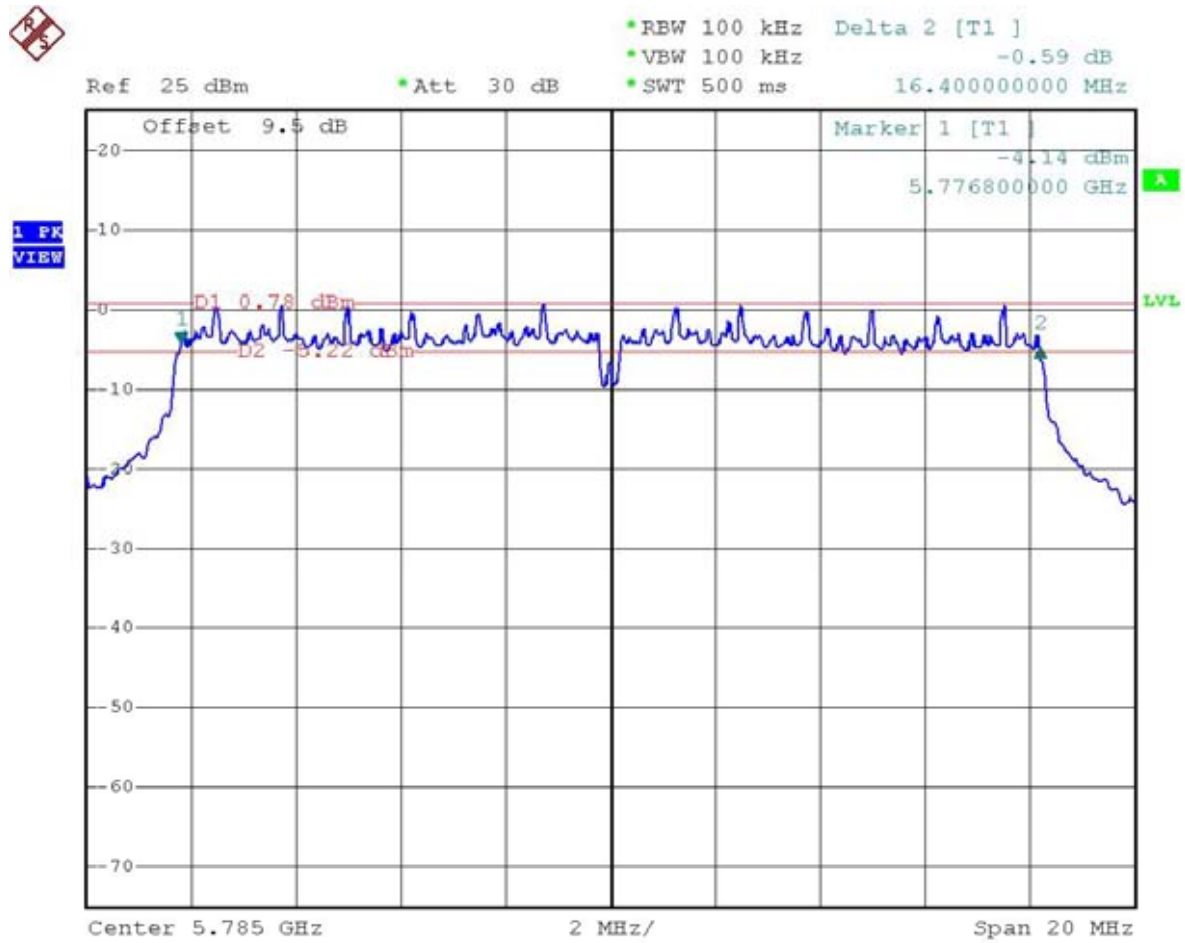
Mode 7



Date: 8.JUN.2006 09:42:31



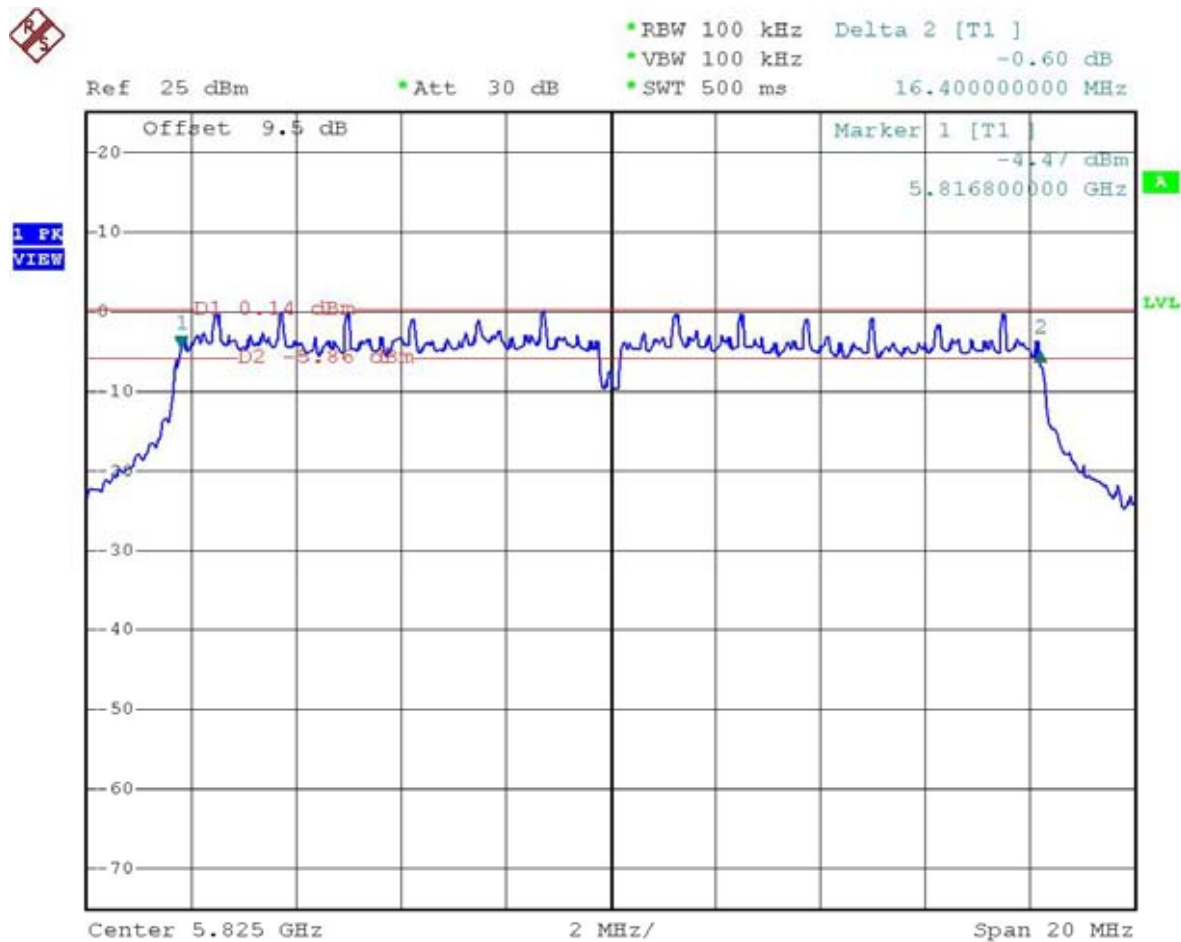
Mode 8



Date: 8.JUN.2006 09:45:20



Mode 9



Date: 8.JUN.2006 09:47:45

5.3 Power Spectral Density Measurement

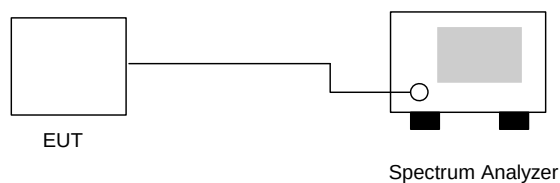
5.3.1 Measuring Instruments :

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 : 21°C
- Relative Humidity : 61%
- Test Enginner : James

802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-7.23	8	Mode 1
06	2437	-8.16	8	Mode 2
11	2462	-7.90	8	Mode 3

802.11g

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-10.39	8	Mode 4
06	2437	-10.13	8	Mode 5
11	2462	-11.24	8	Mode 6

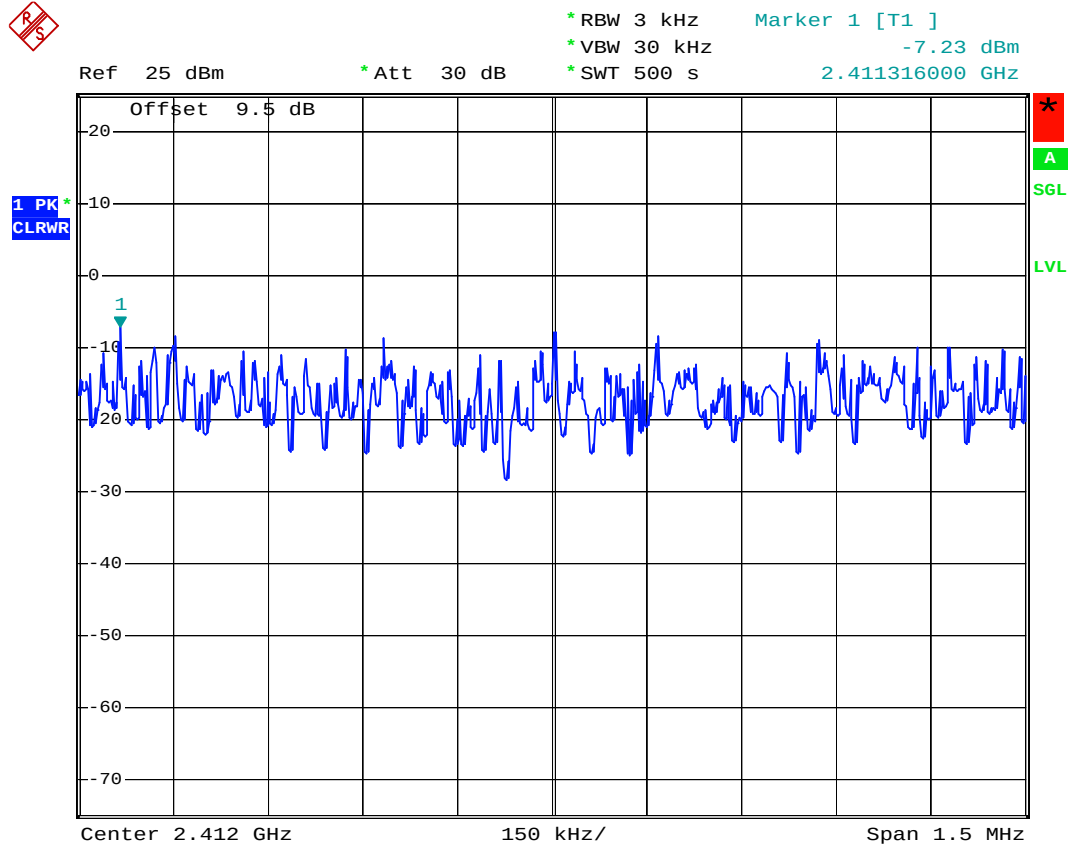
802.11a

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
149	5745	-12.73	8	Mode 7
157	5785	-12.75	8	Mode 8
165	5825	-13.87	8	Mode 9



5.3.5 Power Spectral Density

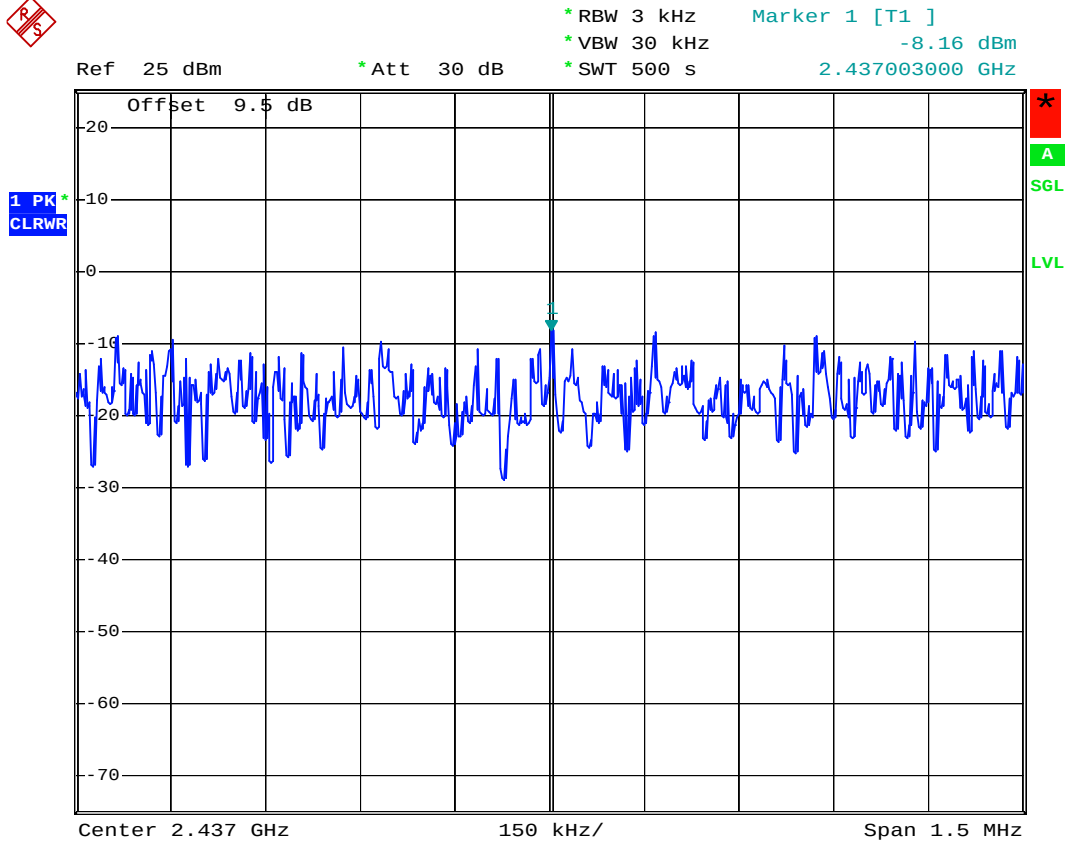
Mode 1



Date: 5.MAY.2006 18:40:41



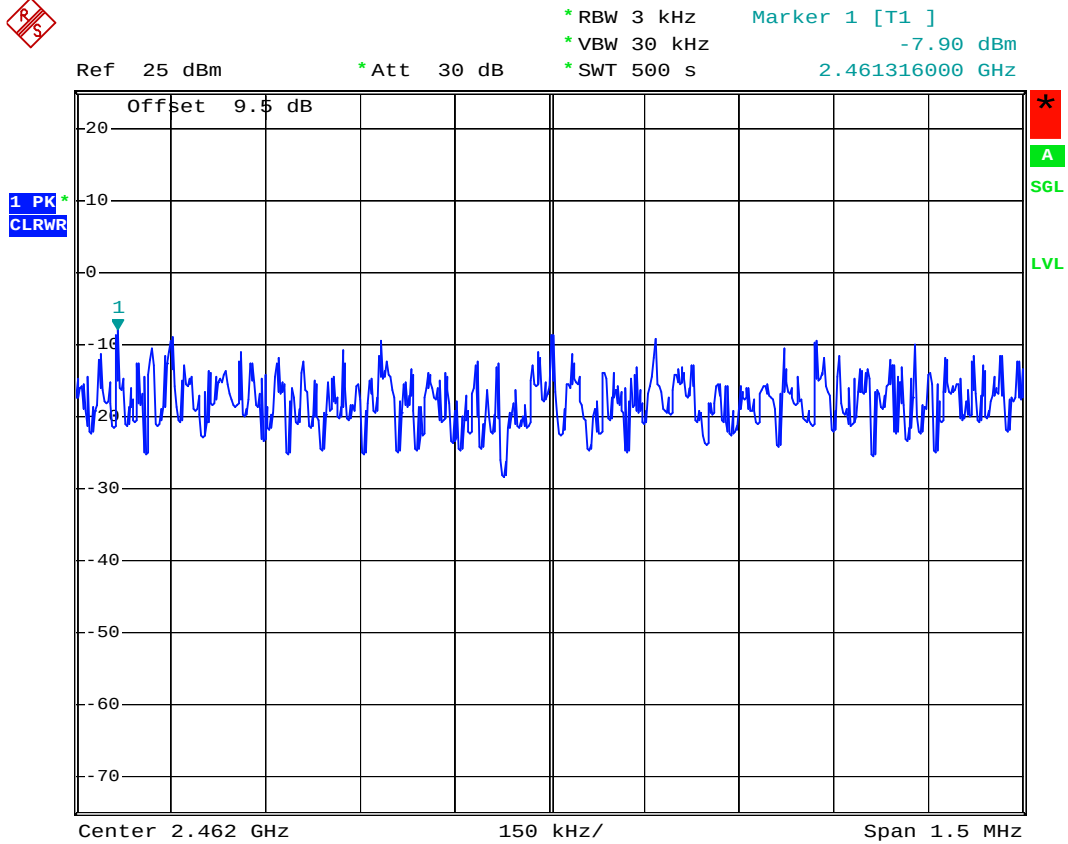
Mode 2



Date: 5.MAY.2006 18:43:41



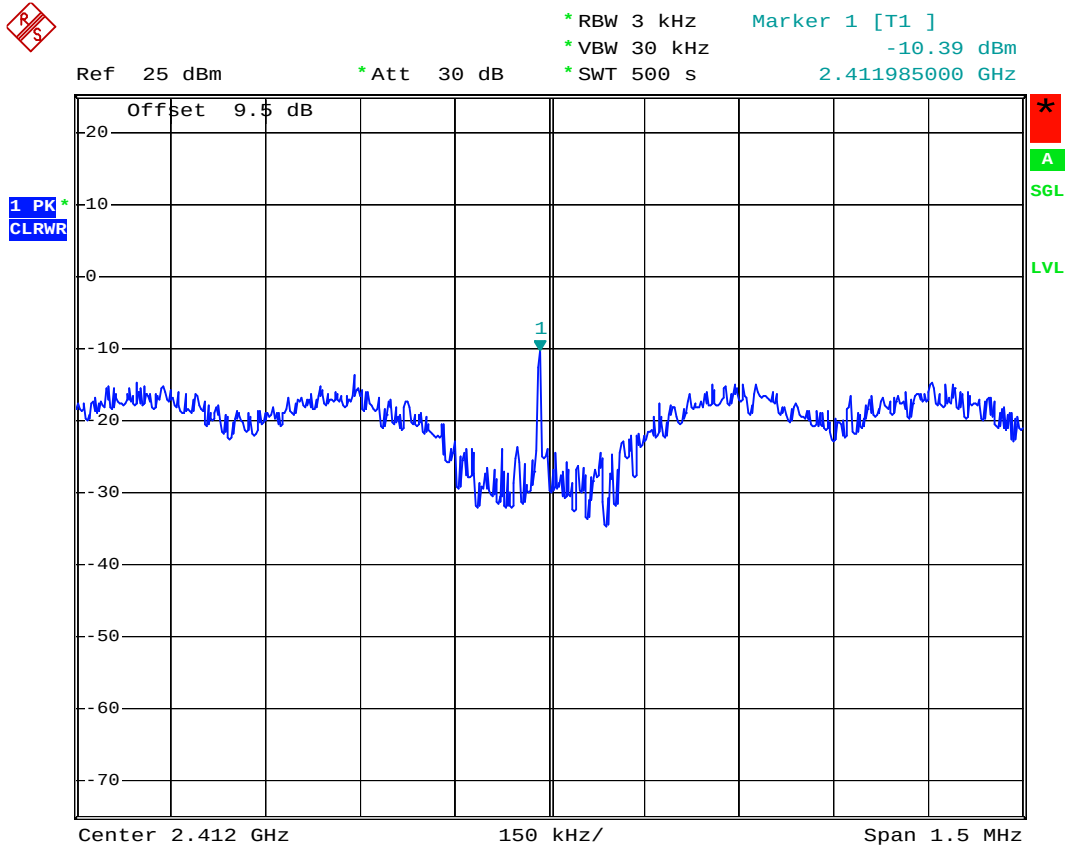
Mode 3



Date: 5.MAY.2006 18:45:32



Mode 4



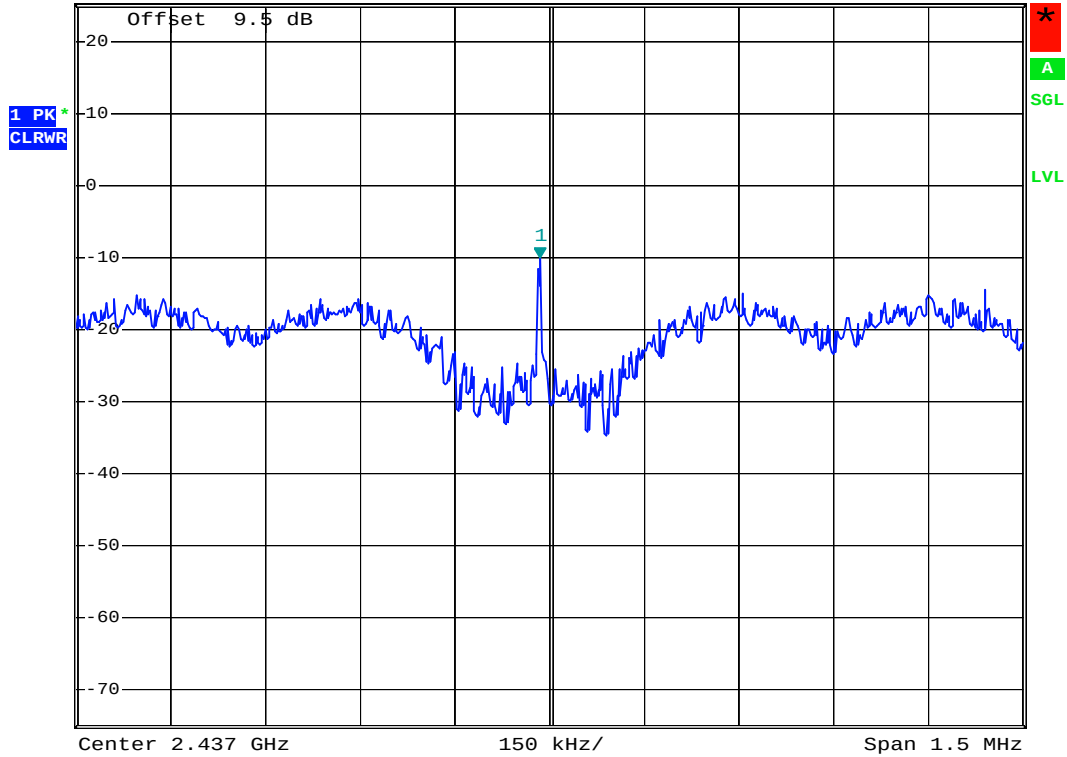
Date: 5.MAY.2006 19:39:11



Mode 5



Ref 25 dBm *Att 30 dB *RBW 3 kHz *VBW 30 kHz *SWT 500 s Marker 1 [T1]
-10.13 dBm
2.436985000 GHz



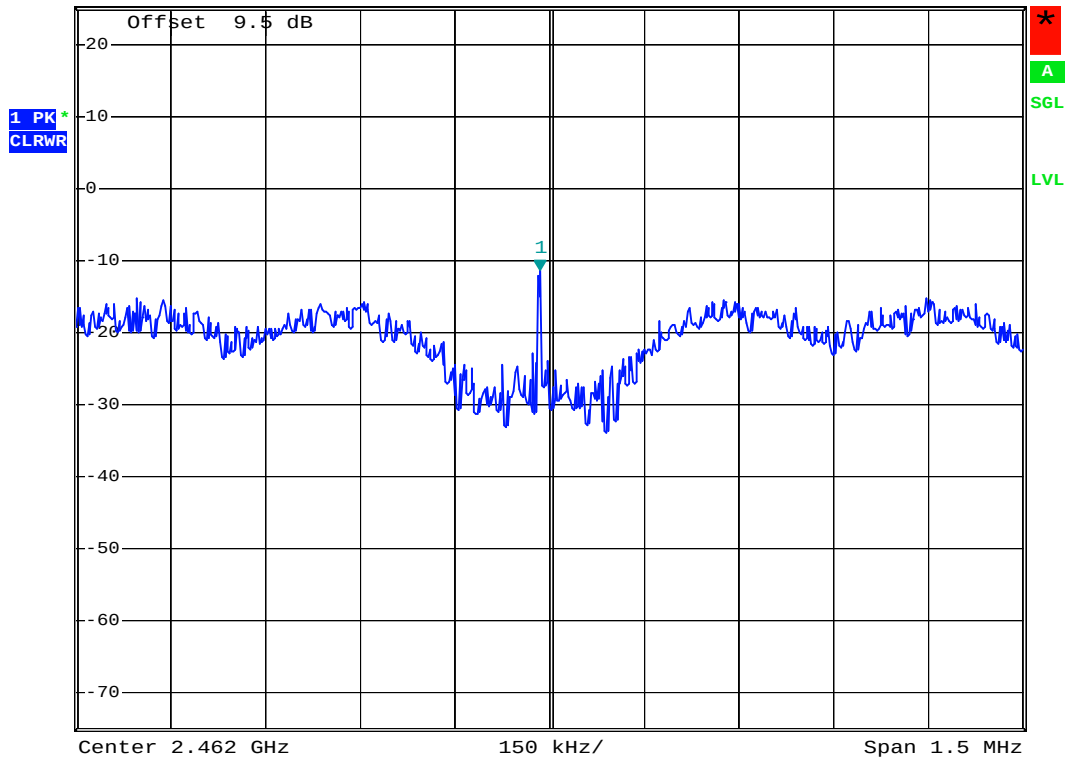
Date: 5.MAY.2006 19:40:09



Mode 6



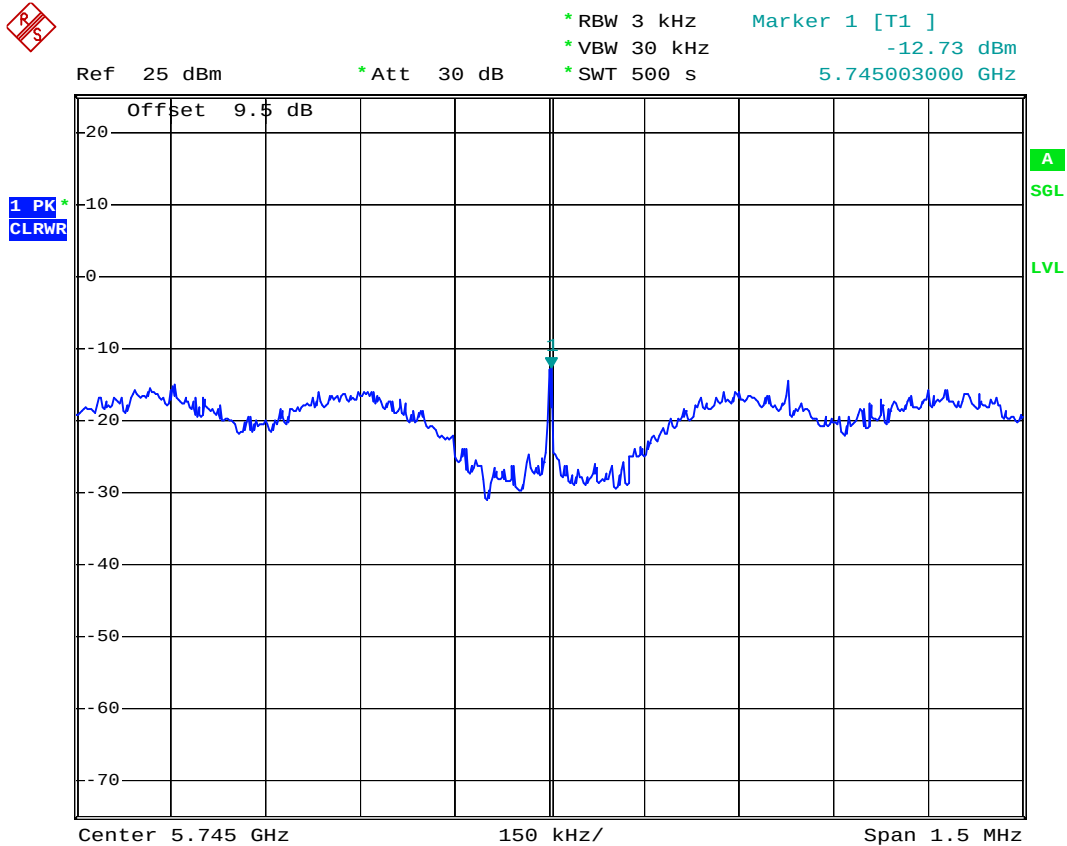
Ref 25 dBm *Att 30 dB *RBW 3 kHz *VBW 30 kHz *SWT 500 s Marker 1 [T1]
-11.24 dBm
2.461985000 GHz



Date: 5.MAY.2006 19:40:49



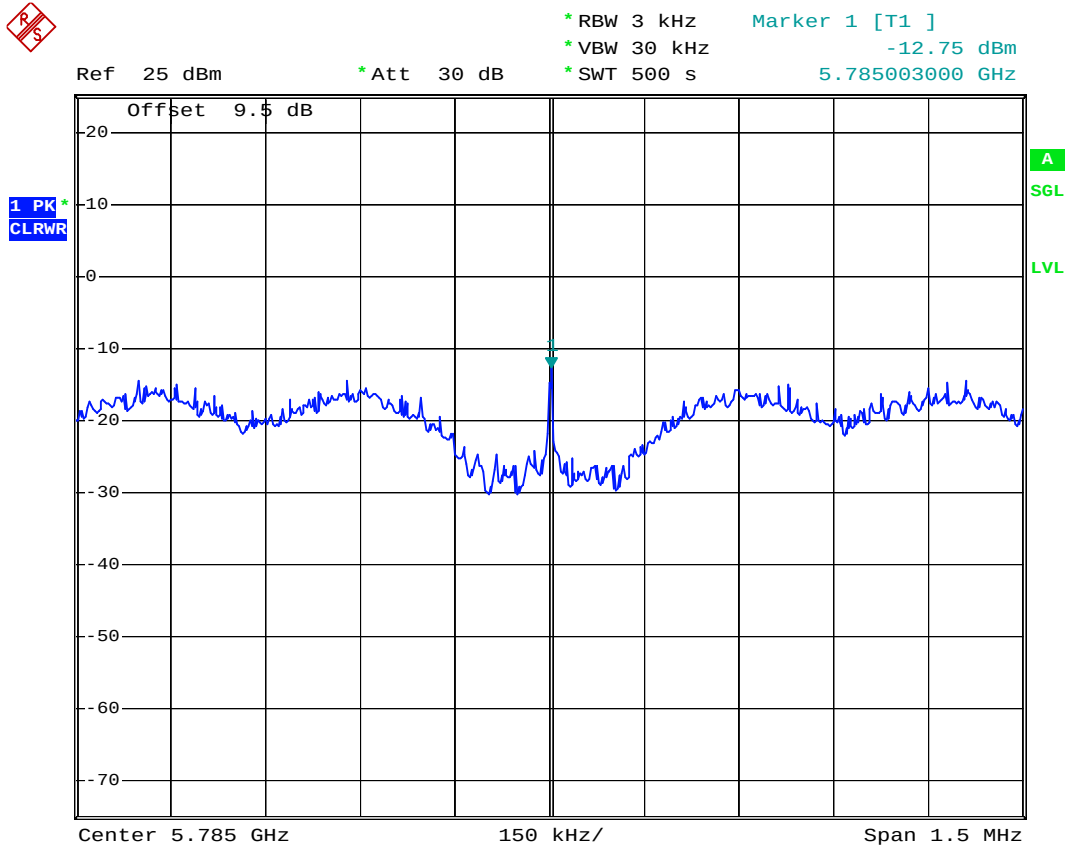
Mode 7



Date: 8.JUN.2006 10:23:10



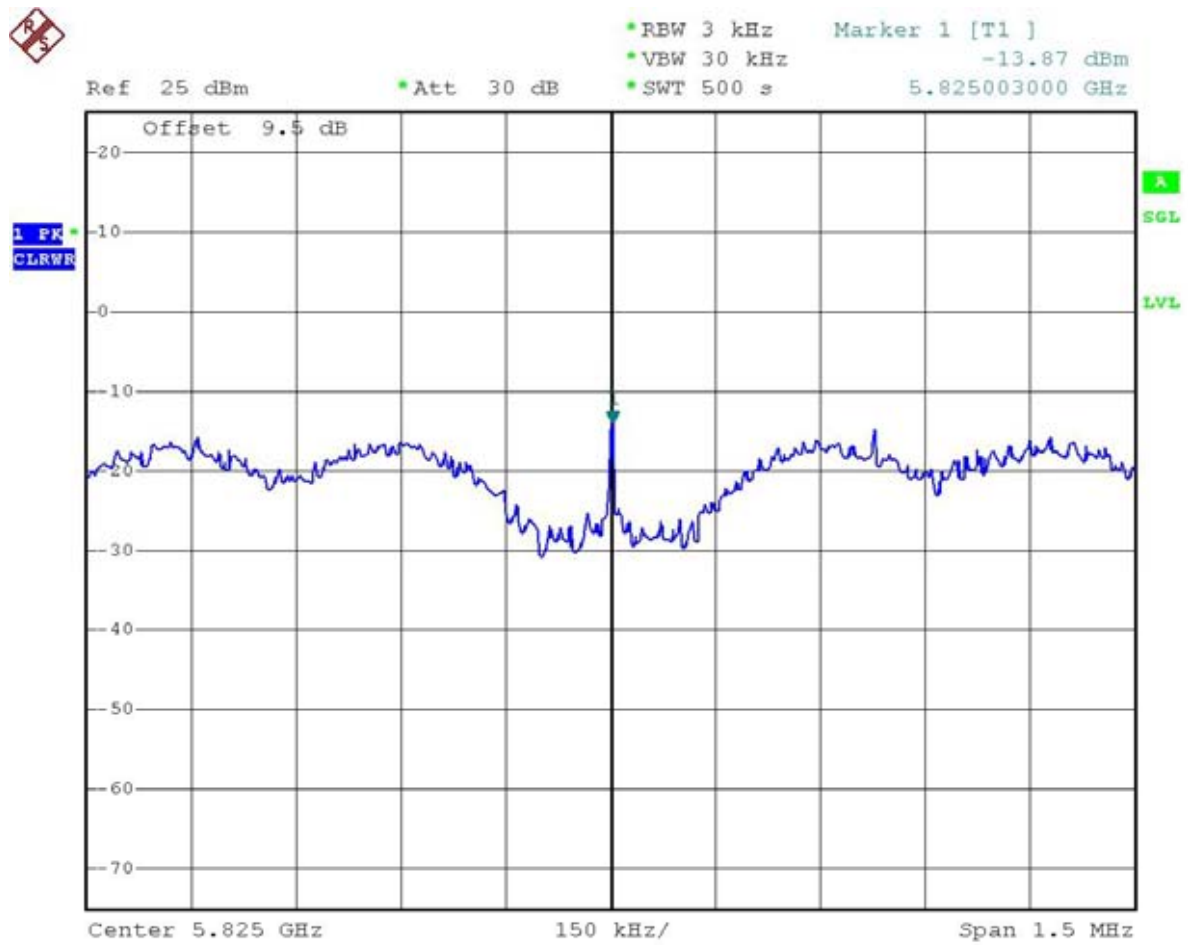
Mode 8



Date: 8.JUN.2006 10:11:09



Mode 9



Date: 8.JUN.2006 10:00:24



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 and BT
- Temperature : 21°C
- Relative Humidity : 61%
- Test Enginner : James
- Test Result in WLAN lower band (802.11b/g) : PASS
- Test Result in WLAN higher band (802.11b/g) : PASS
- Test Result in WLAN lower band (802.11a Band III) : PASS
- Test Result in WLAN higher band (802.11a Band III) : 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)

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2390.00	55.61	-18.39	74.00	56.55	30.26	4.26	35.46	100	0	Peak
2390.00	41.72	-12.28	54.00	42.66	30.26	4.26	35.46	100	17	Average

CH01 (Vertical)

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2390.00	54.58	-19.42	74.00	55.51	30.26	4.26	35.46	100	360	Peak
2390.00	40.85	-13.15	54.00	41.79	30.26	4.26	35.46	124	11	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)	(dB)	(dB)	(cm)	(deg)	
2483.50	52.46	-21.54	74.00	53.32	30.29	4.36	35.51	100	0	Peak
2483.50	41.19	-12.81	54.00	42.05	30.29	4.36	35.51	104	41	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)	(dB)	(dB)	(cm)	(deg)	
2483.50	51.15	-22.85	74.00	52.01	30.29	4.36	35.51	100	360	Peak
2483.50	39.51	-14.49	54.00	40.37	30.29	4.36	35.51	100	21	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)	(dB)	(dB)	(cm)	(deg)	
2390.00	66.64	-7.36	74.00	67.57	30.26	4.26	35.46	100	0	Peak
2390.00	47.97	-6.03	54.00	48.91	30.26	4.26	35.46	100	20	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)	(dB)	(dB)	(cm)	(deg)	
2390.00	66.05	-7.95	74.00	66.98	30.26	4.26	35.46	100	360	Peak
2390.00	47.16	-6.84	54.00	48.10	30.26	4.26	35.46	157	28	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)	(dB)	(dB)	(cm)	(deg)	
2483.50	60.68	-13.32	74.00	61.54	30.29	4.36	35.51	100	0	Peak
2483.50	45.32	-8.68	54.00	46.18	30.29	4.36	35.51	103	41	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)	(dB)	(dB)	(cm)	(deg)	
2483.50	58.84	-15.16	74.00	59.70	30.29	4.36	35.51	100	360	Peak
2483.50	41.87	-12.13	54.00	42.73	30.29	4.36	35.51	100	307	Average

➤BT**CH00 (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)	(dB)	(dB)	(cm)	(deg)	
2390.00	44.24	-29.76	74.00	45.18	30.26	4.26	35.46	100	0	Peak
2390.00	32.24	-21.76	54.00	33.18	30.26	4.26	35.46	136	349	Average

CH00 (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)	(dB)	(dB)	(cm)	(deg)	
2354.00	44.45	-29.55	74.00	45.43	30.24	4.20	35.42	100	0	Peak
2354.00	32.17	-21.83	54.00	33.15	30.24	4.20	35.42	110	200	Average

CH78 (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)	(dB)	(dB)	(cm)	(deg)	
2483.50	58.59	-15.41	74.00	59.45	30.29	4.36	35.51	100	360	Peak
2483.50	37.22	-16.78	54.00	38.08	30.29	4.36	35.51	129	342	Average

CH78 (Vertical)

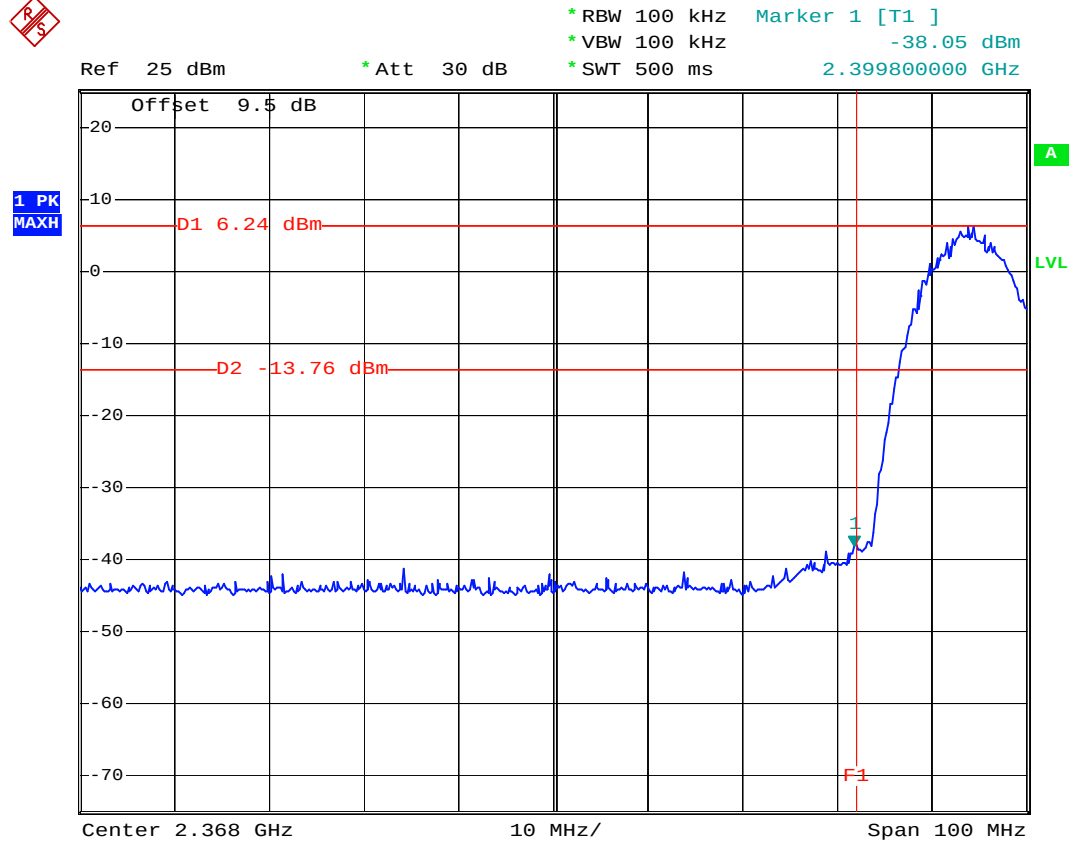
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2483.50	62.01	-11.99	74.00	62.87	30.29	4.36	35.51	100	360	Peak
2483.50	38.39	-15.61	54.00	39.25	30.29	4.36	35.51	100	177	Average



5.4.5 20dB Band Edge

WLAN 802.11b

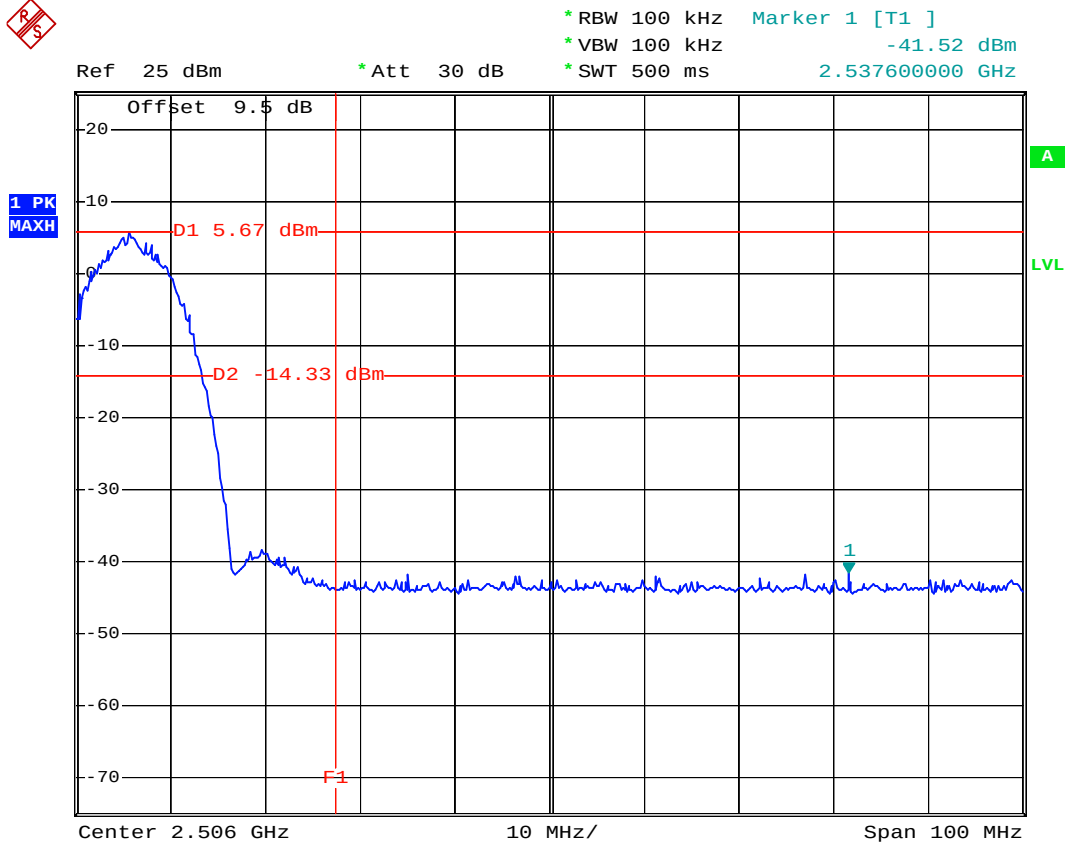
CH01



Date: 5.MAY.2006 18:31:29



CH11

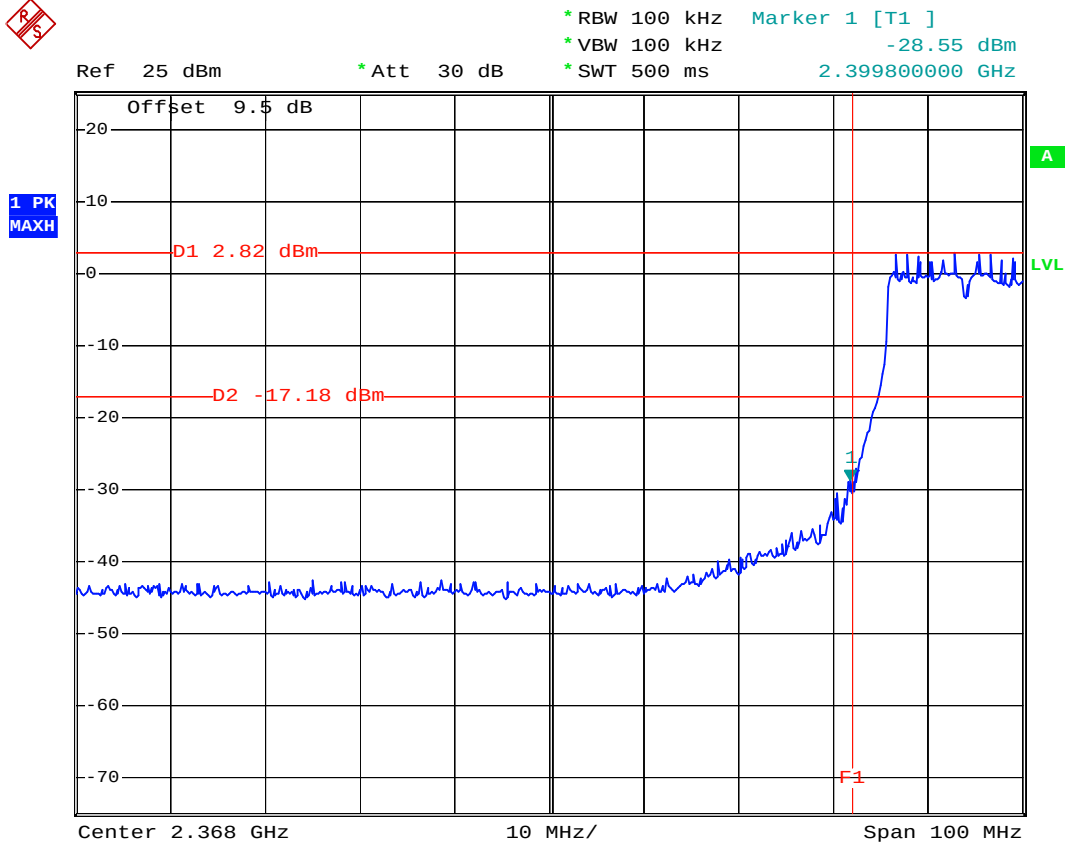


Date: 5.MAY.2006 18:29:42



WLAN 802.11g

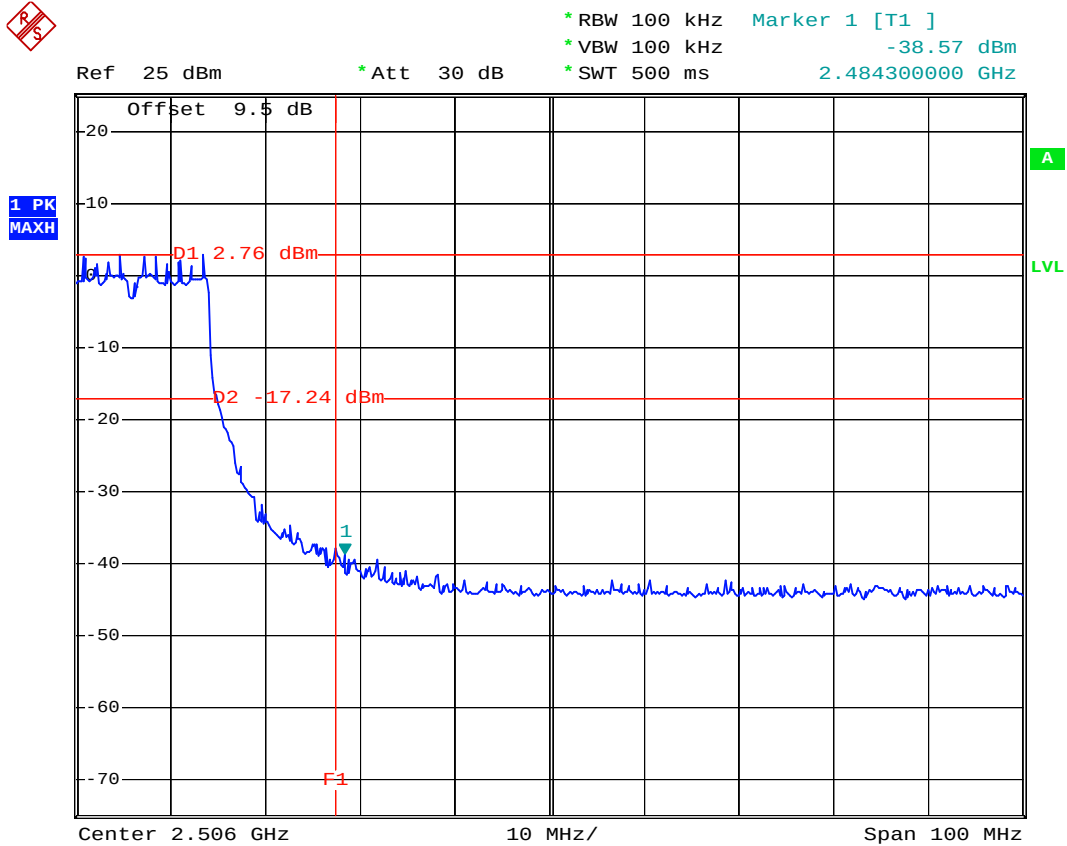
CH01



Date: 5.MAY.2006 19:37:57



CH11

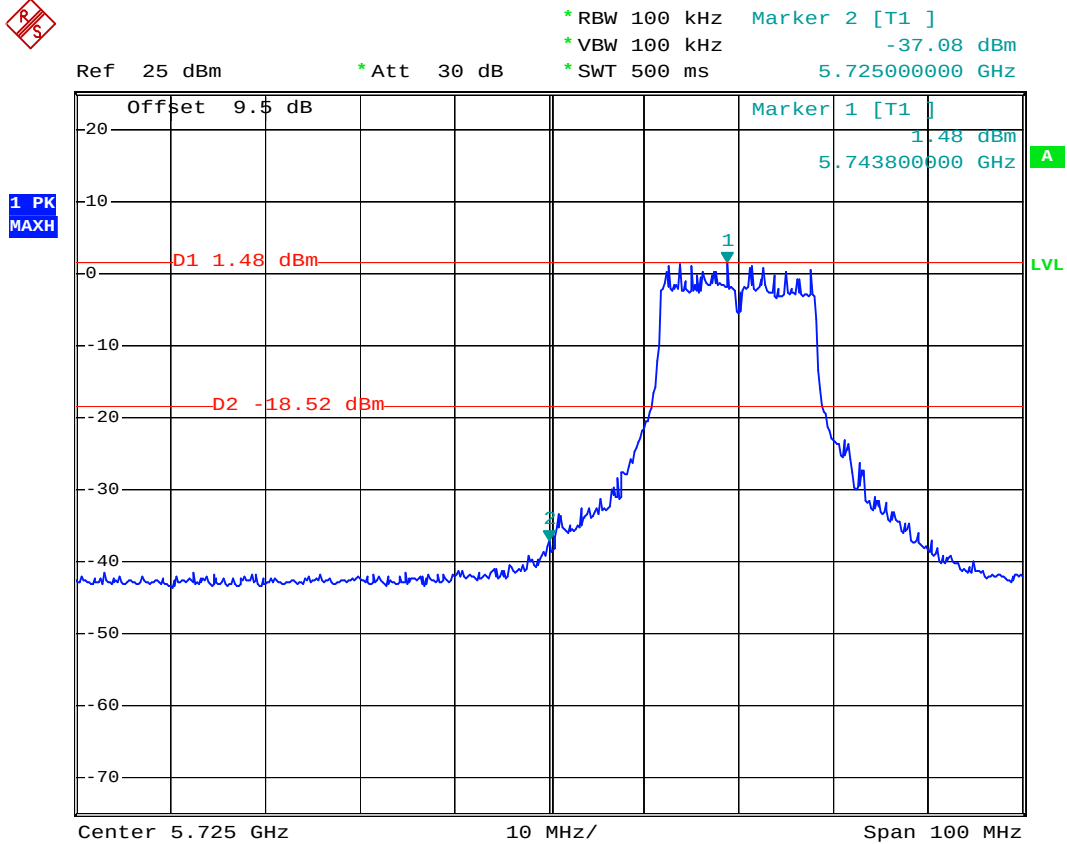


Date: 5.MAY.2006 19:36:31



WLAN 802.11a

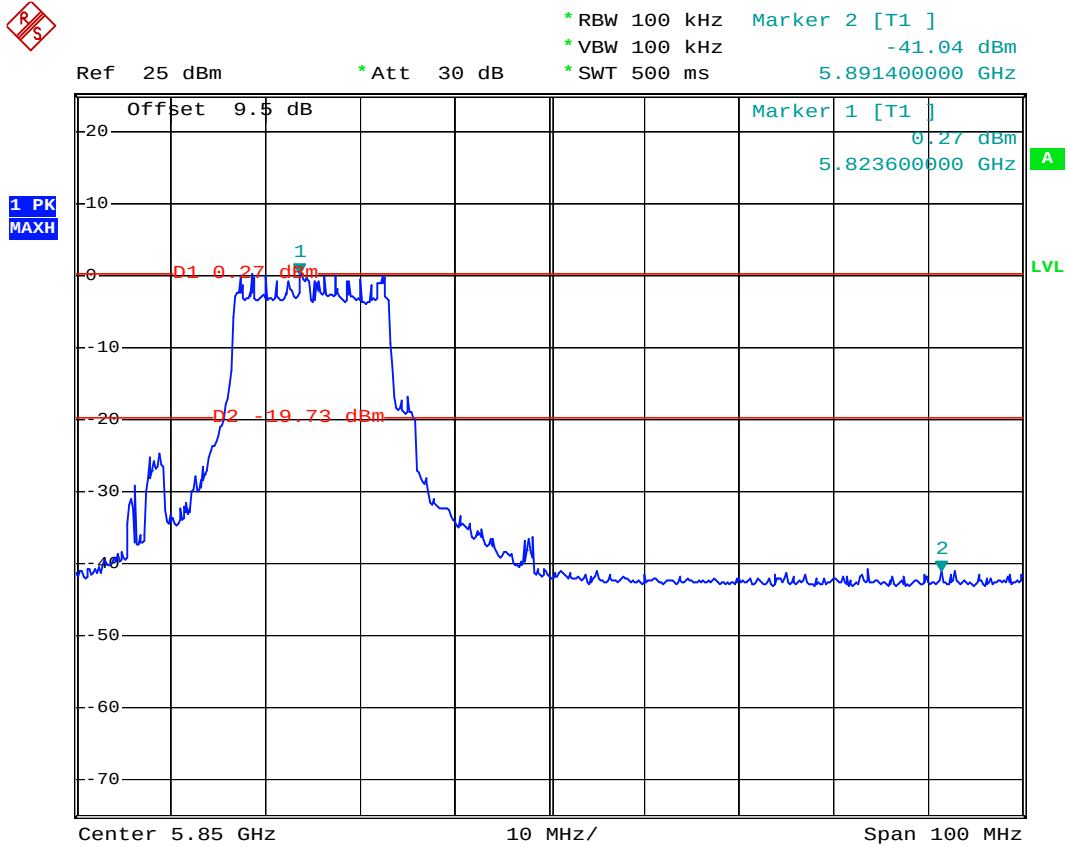
CH149



Date: 8.JUN.2006 02:55:46



CH165

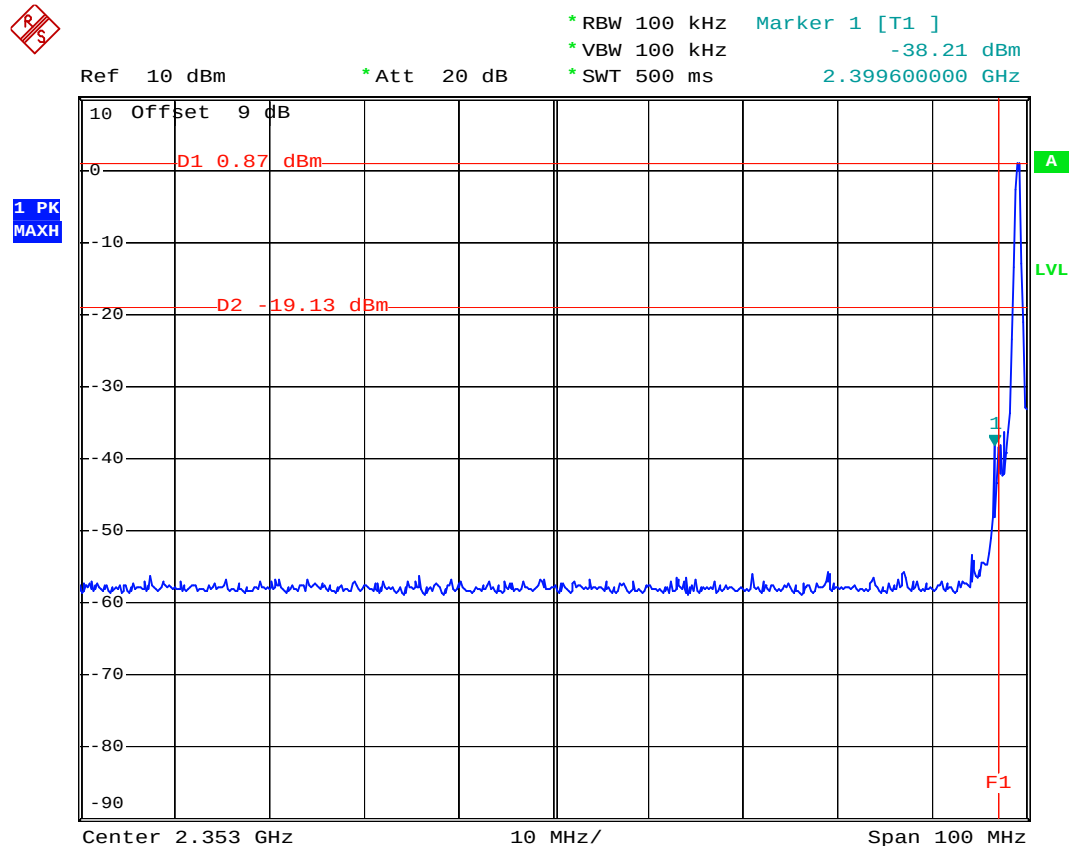


Date: 8.JUN.2006 02:48:47



Bluetooth

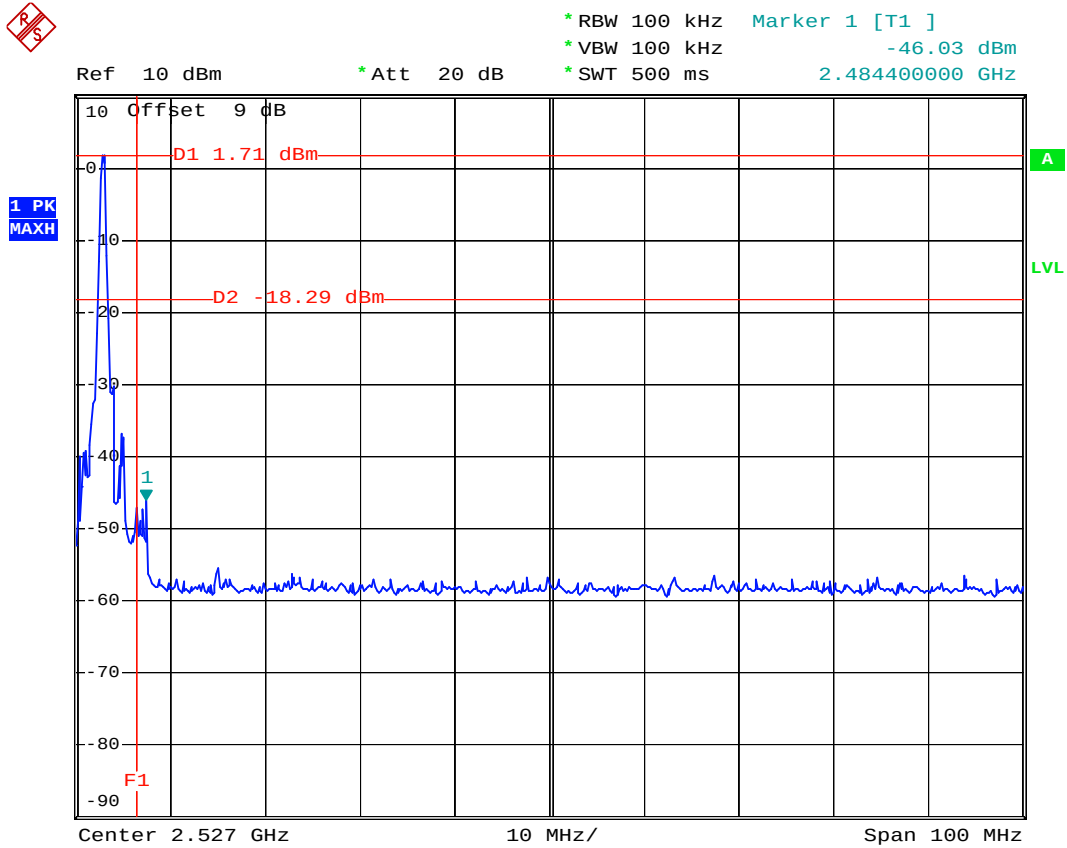
CH00



Date: 1.MAY.2006 15:10:05



CH78



Date: 1.MAY.2006 15:07:11

5.5 Hopping Channel Separation

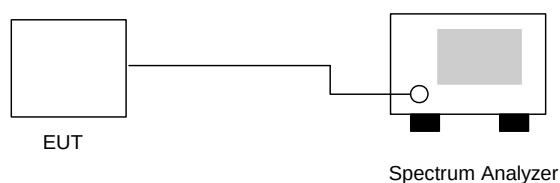
5.5.1 Measuring Instruments :

As described in chapter 9 of this test report.

5.5.2 Test Procedure :

1. The output of EUT was connected to the spectrum analyzer by a low loss cable..
2. Set RBW of spectrum analyzer to 100kHz and VBW to 100kHz.
3. The Hopping Channel Separation is defined as the channel is separated with the next channel.

5.5.3 Test Setup Layout :



5.5.4 Test Result : The spectrum analyzer plots are attached as below

- Application Type : BT
- Temperature : 21°C
- Relative Humidity : 61%
- Test Enginner : James

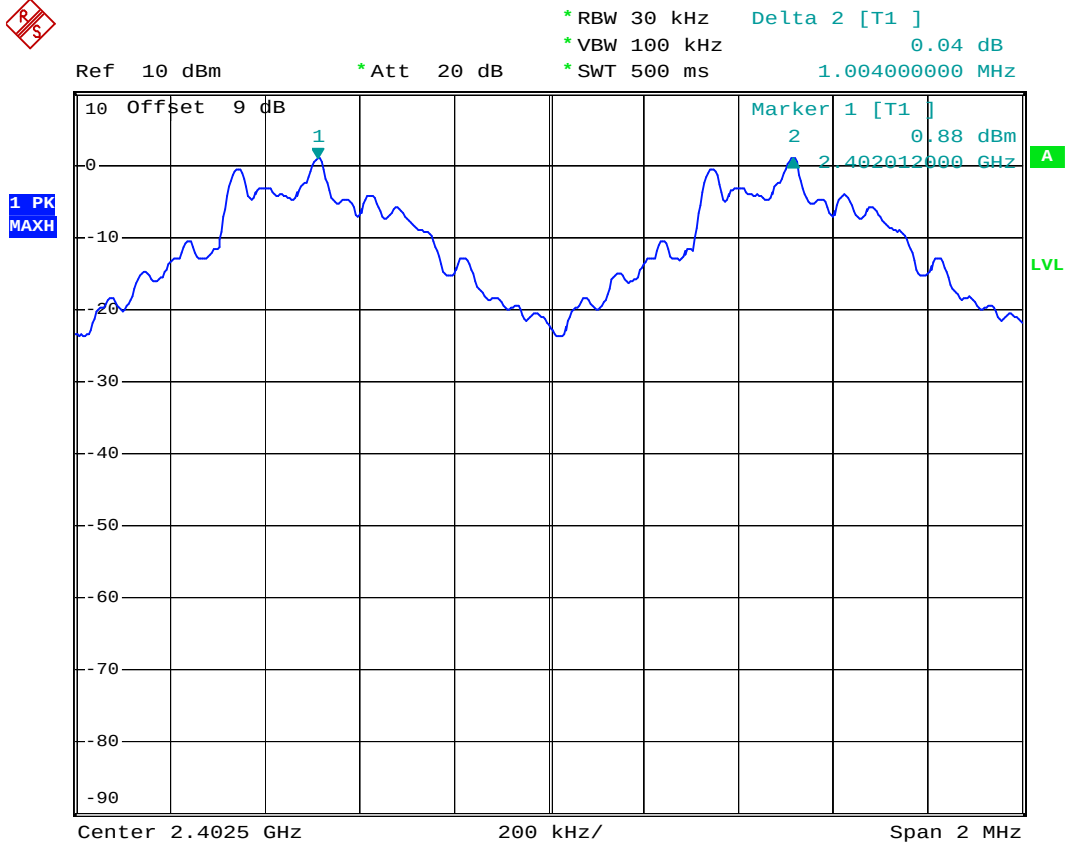
		Carrier Frequency		Limits	Plot
Channel	Frequency (MHz)	Separation (MHz)		(MHz)	Ref. No.
00	2402	1.004		0.828	Mode 1
39	2441	1.000		0.828	Mode 2
78	2480	1.004		0.828	Mode 3

Note: Limits =25kHz or the 20dB bandwidth of the hopping channel, which ever is greater



5.5.5 Hopping Channel Separation

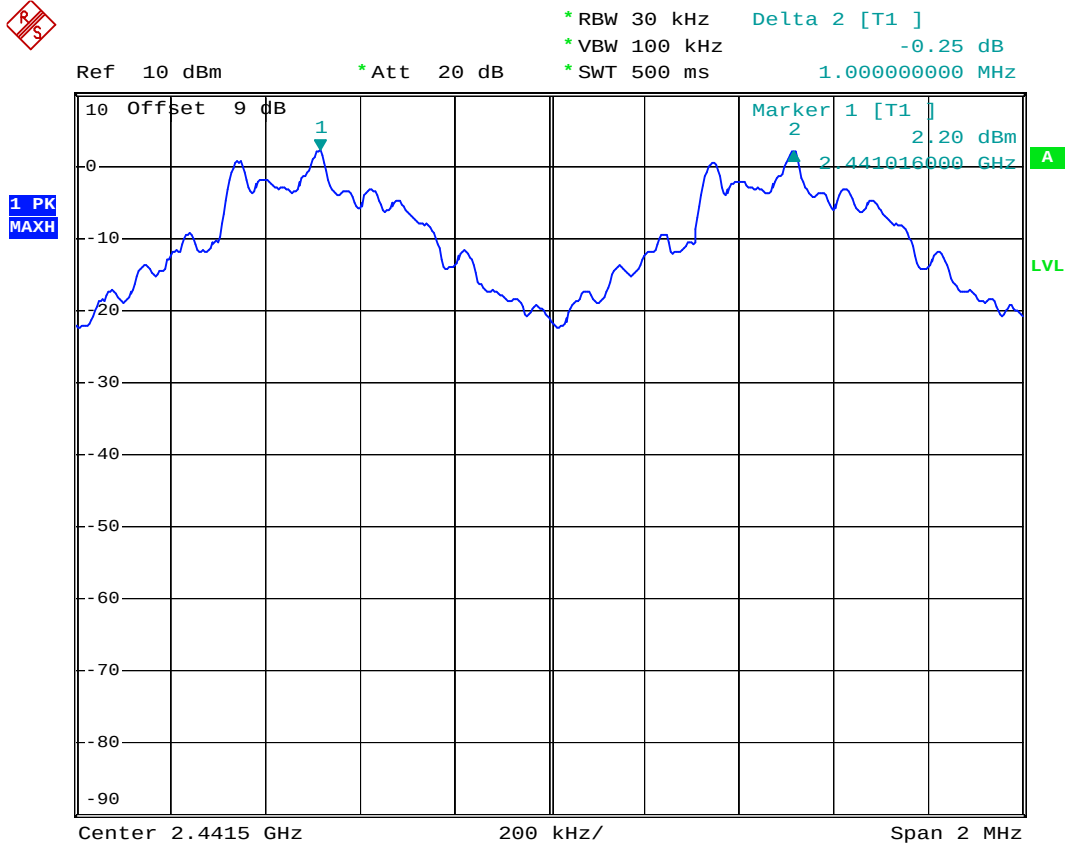
Mode 1



Date: 1.MAY.2006 15:11:08



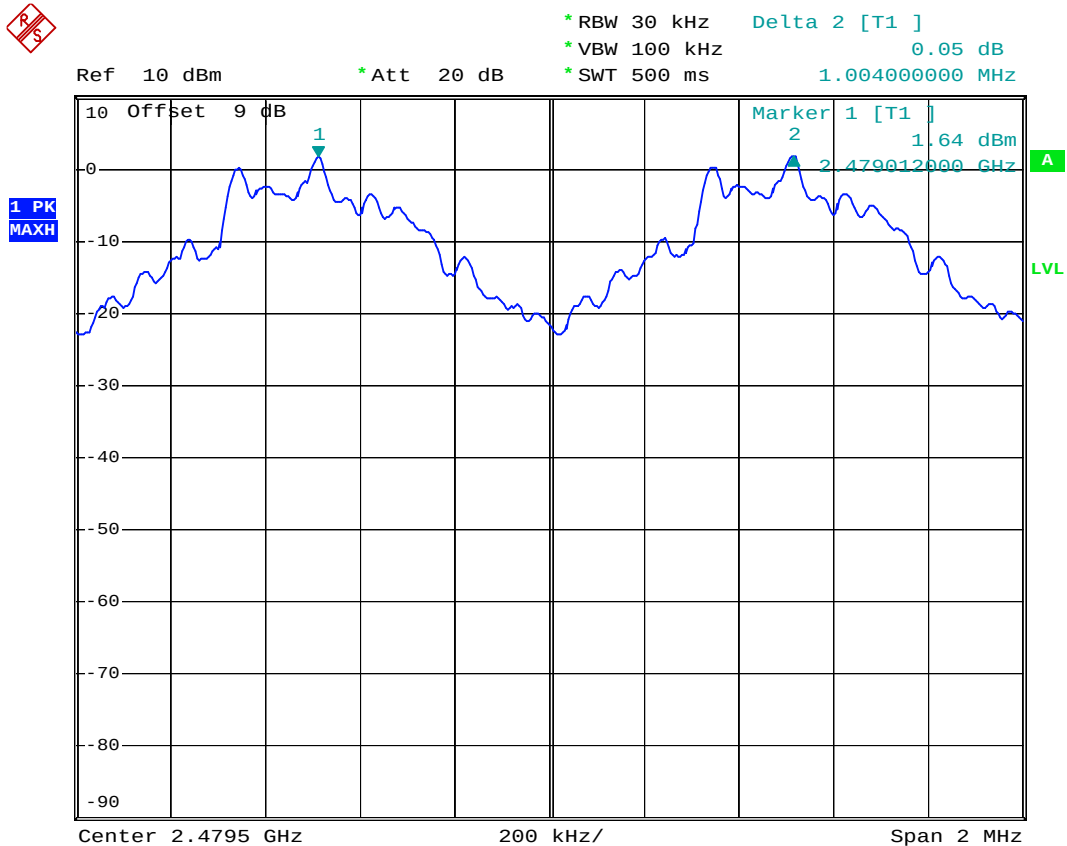
Mode 2



Date: 1.MAY.2006 15:12:07



Mode 3



Date: 1.MAY.2006 15:12:55

5.6 Number of Hopping Frequency

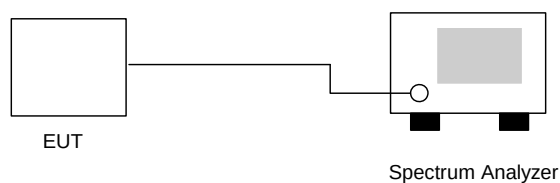
5.6.1 Measuring Instruments :

As described in chapter 9 of this test report.

5.6.2 Test Procedure :

1. The output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Set RBW of spectrum analyzer to 100kHz and VBW to 100kHz.
3. The number of hopping frequency used is defined as the device has the numbers of total channel.

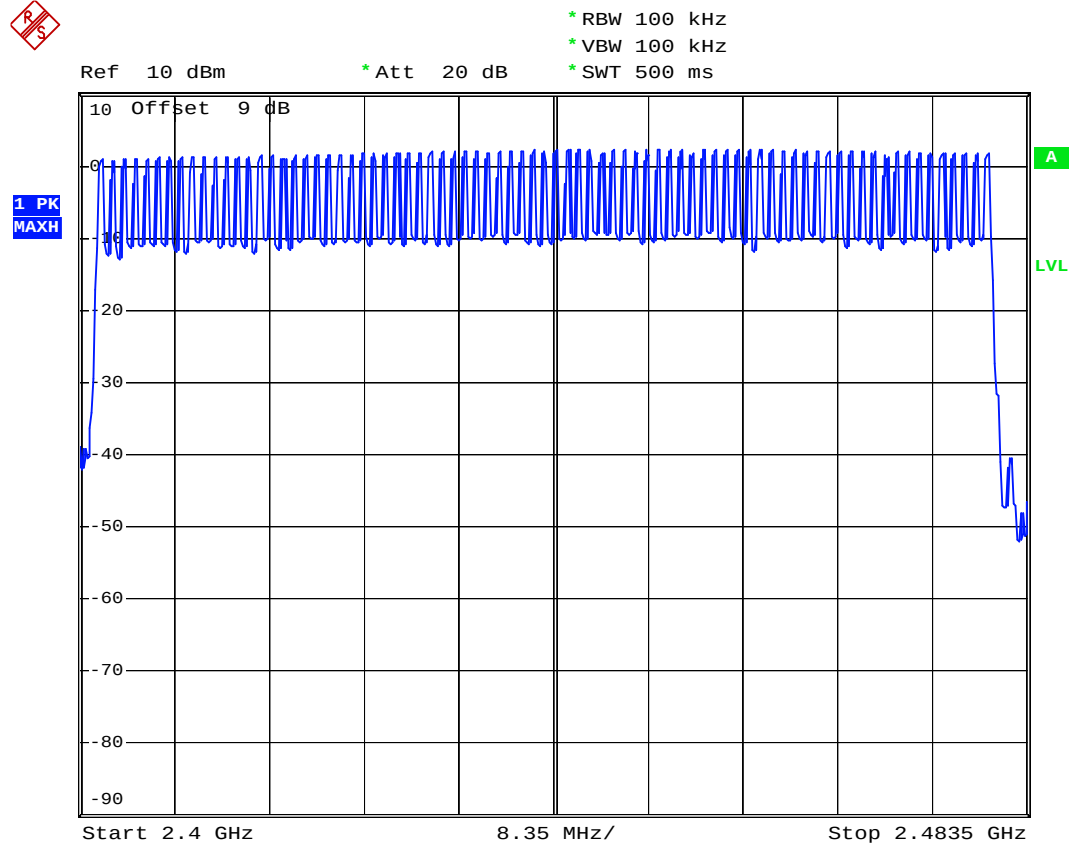
5.6.3 Test Setup Layout :



5.6.4 Test Result : See spectrum analyzer plots below

- Application Type : BT
- Temperature : 21°C
- Relative Humidity : 61%
- Test Enginner : James

Number of Hopping Frequency (Channel)	Limits (Channel)
79	15

**5.6.5 Number of Hopping Frequency**

Date: 1.MAY.2006 15:53:23

5.7 Hopping Channel Bandwidth

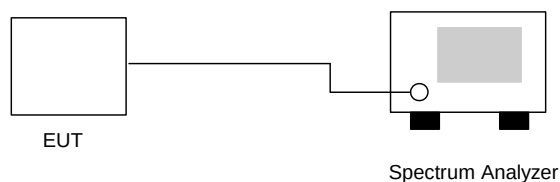
5.7.1 Measuring Instruments :

As described in chapter 9 of this test report.

5.7.2 Test Procedure :

1. The transmitter output was connected to the spectrum analyzer by a low loss cable.
2. Set RBW of spectrum analyzer to 30kHz and VBW to 300kHz.
3. The Hopping Channel bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20 dB.

5.7.3 Test Setup Layout :



5.7.4 Test Result : See spectrum analyzer plots below

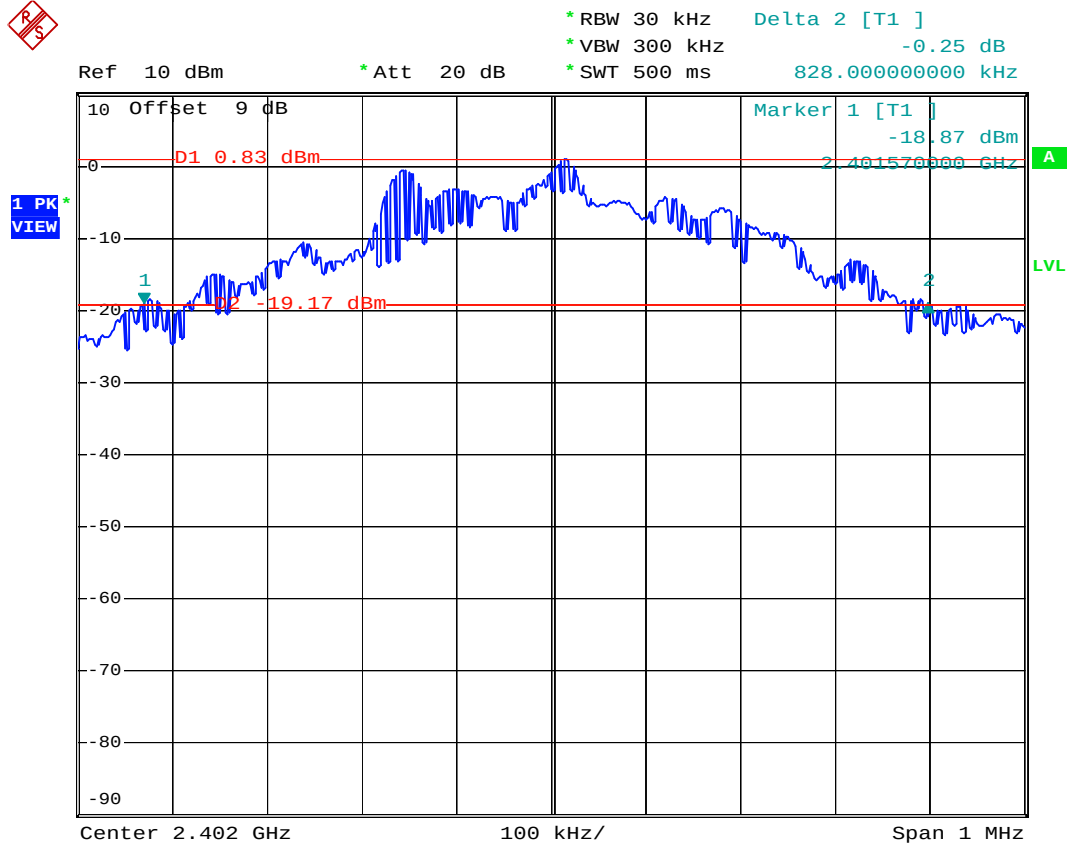
- Application Type : BT
- Temperature : 21°C
- Relative Humidity : 61%
- Test Enginner : James

Channel	Frequency (MHz)	Hopping Channel Bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
00	2402	0.828	1.000	Mode 1
39	2441	0.828	1.000	Mode 2
78	2480	0.828	1.000	Mode 3



5.7.5 Hopping Channel Bandwidth

Mode 1



Date: 1.MAY.2006 15:03:04



Mode 2

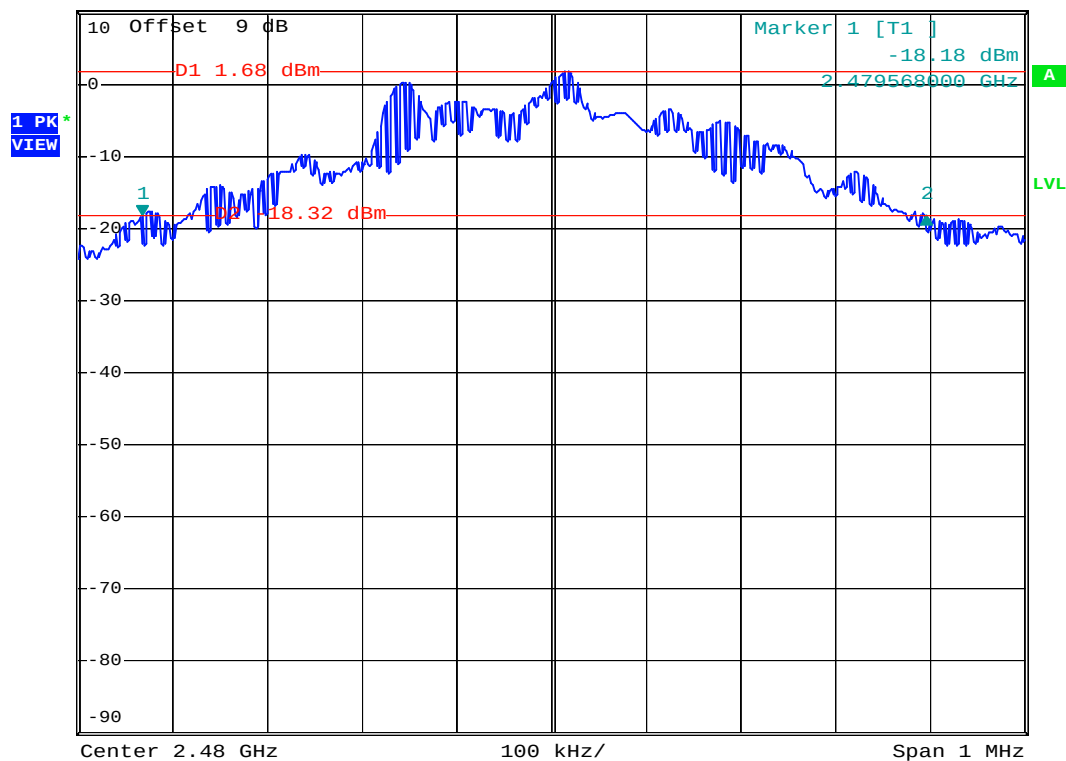


Date: 1.MAY.2006 15:04:28

Mode 3



Ref	10 dBm	* Att	20 dB	* RBW	30 kHz	Delta 2 [T1]
				* VBW	300 kHz	-0.13 dB
				* SWT	500 ms	828.000000000 kHz



Date: 1.MAY.2006 15:05:46

5.8 Dwell Time of Each Frequency

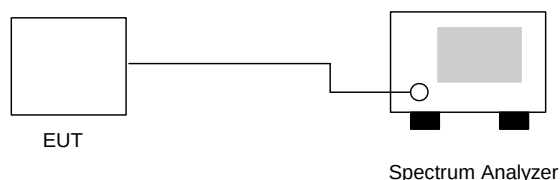
5.8.1 Measuring Instruments :

As described in chapter 9 of this test report.

5.8.2 Test Procedure :

1. The transmitter output was connected to the spectrum analyzer by a low loss cable.
2. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
3. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
4. The calculate $= 79 * 0.4 * (1600/79) * t$ (t = the time duration of one single pulse)

5.8.3 Test Setup Layout :



5.8.4 Test Result : See spectrum analyzer plots below

- Application Type : BT
- Temperature : 21°C
- Relative Humidity : 61%
- Test Enginner : James

Ch00

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	10	552	0.174	0.4
DH3	5	1816	0.287	0.4
DH5	3.4	3066	0.329	0.4

**CH39**

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	10	548	0.173	0.4
DH3	5.1	1806	0.291	0.4
DH5	3.5	3066	0.339	0.4

CH78

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	10.1	548	0.175	0.4
DH3	5.1	1806	0.291	0.4
DH5	3.5	3086	0.341	0.4

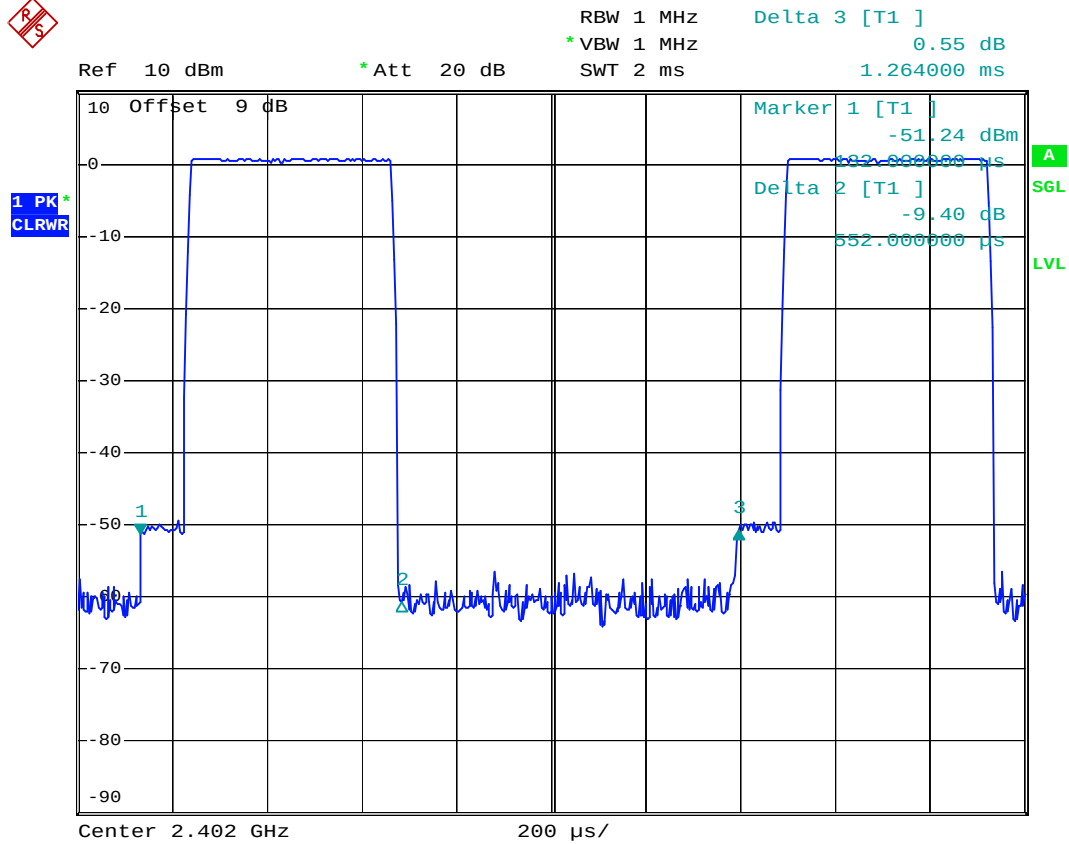
※ Remark:

1. Dwell Time=79(channels) x 0.4(s) x average hopping channel x package transfer time
2. 79channels come from the Hopping Channel number.
3. Average Hopping Channel = hops/sweep time
4. t: Package Transfer Time(us)



5.8.5 Dwell Time

DH1 (CH00)

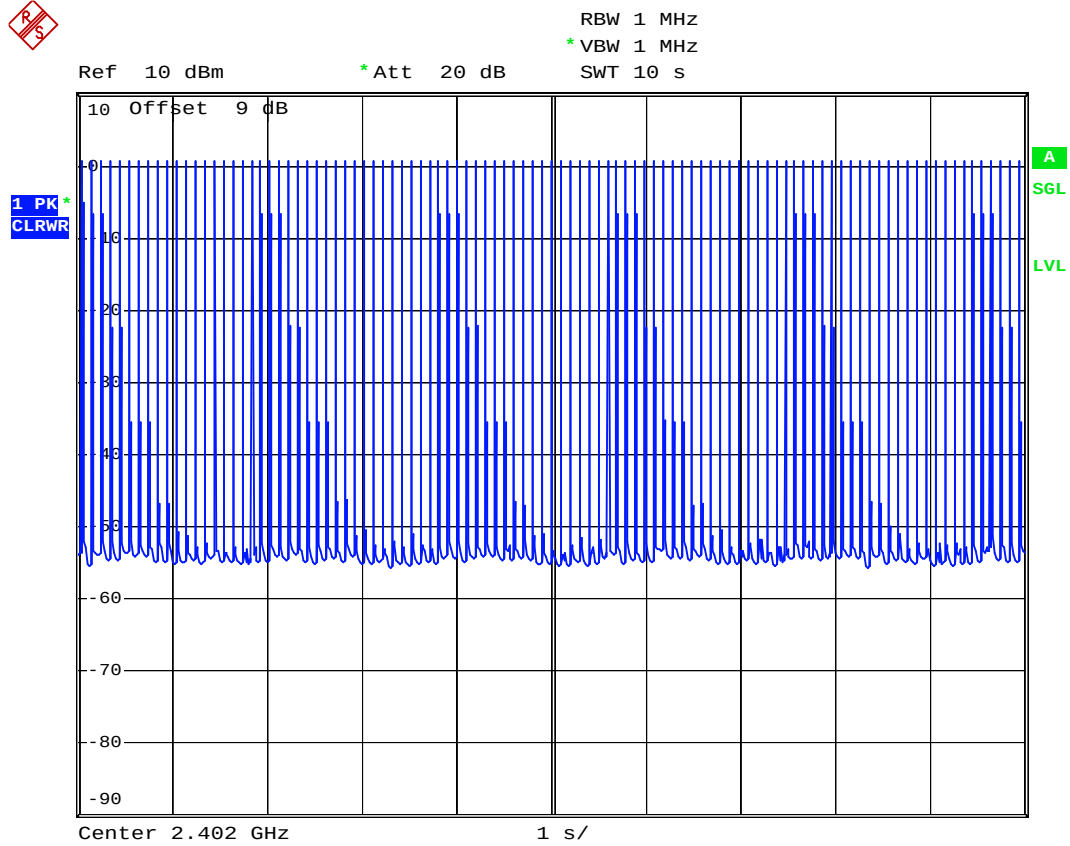


Date: 1.MAY.2006 15:23:41



FCC TEST REPORT

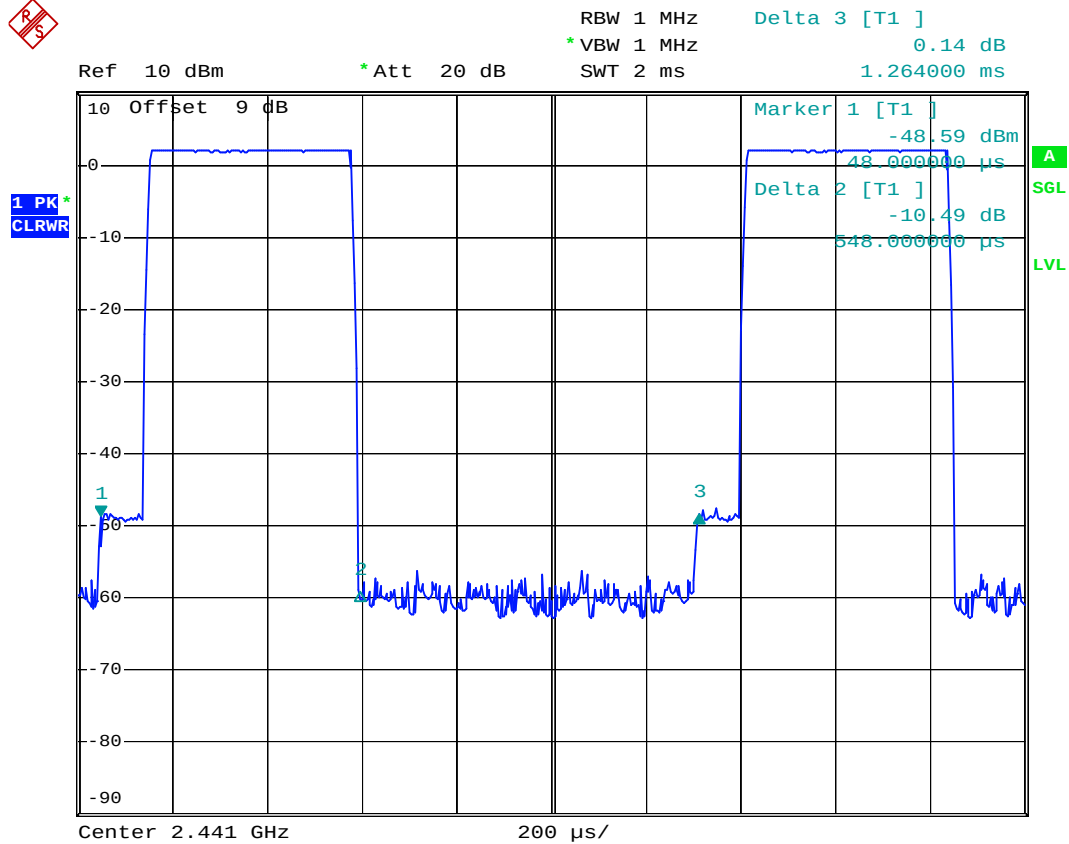
Report No. : FR632813-A



Date: 1.MAY.2006 15:44:55



DH1 (CH39)

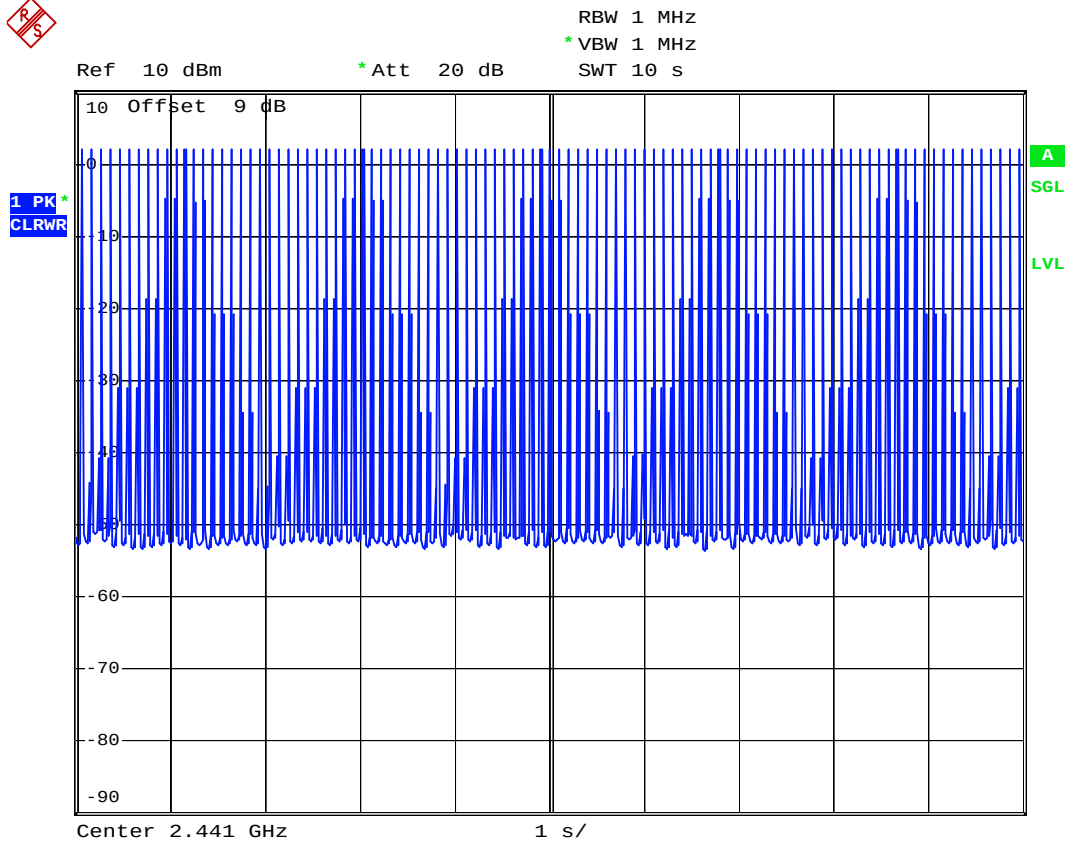


Date: 1.MAY.2006 15:24:24



FCC TEST REPORT

Report No. : FR632813-A



Date: 1.MAY.2006 15:44:34

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : JYV-VMW1BB

IC ID : 4626A-UPX001

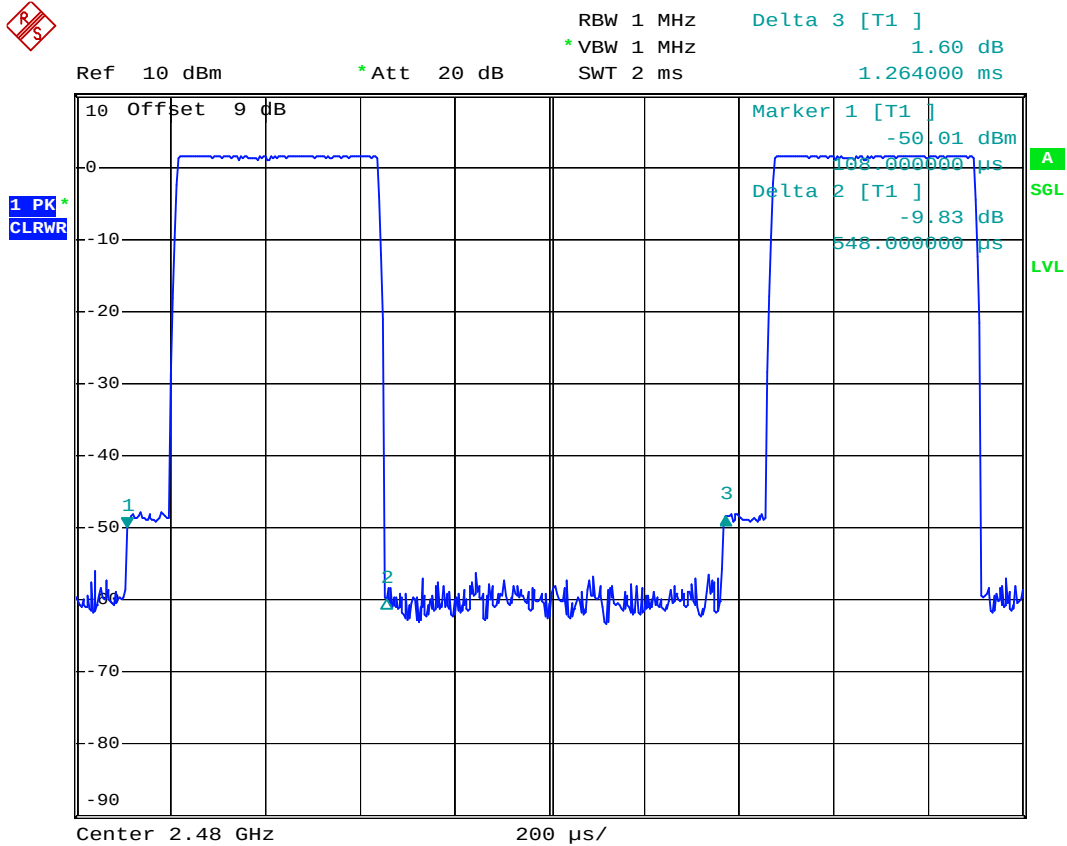
Page No. : 56 of 144

Report Issued Date : Jun. 12, 2006

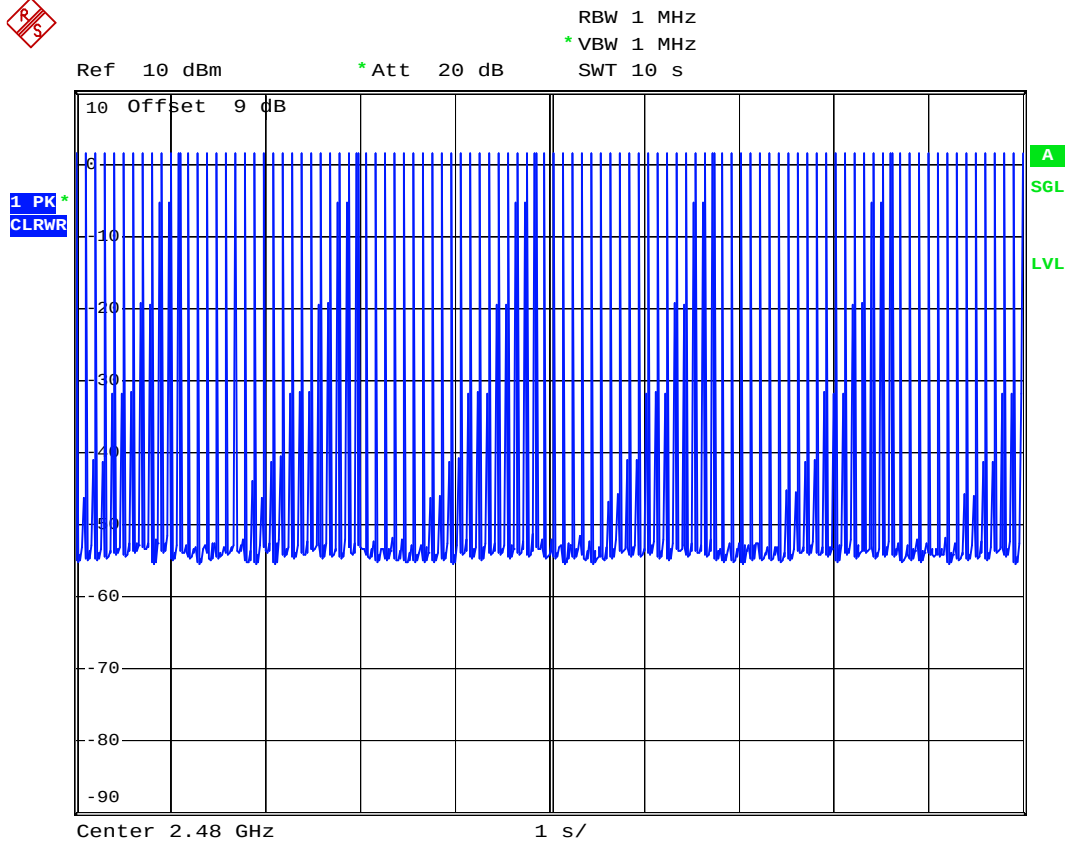
Report Version : Rev. 01



DH1 (CH78)



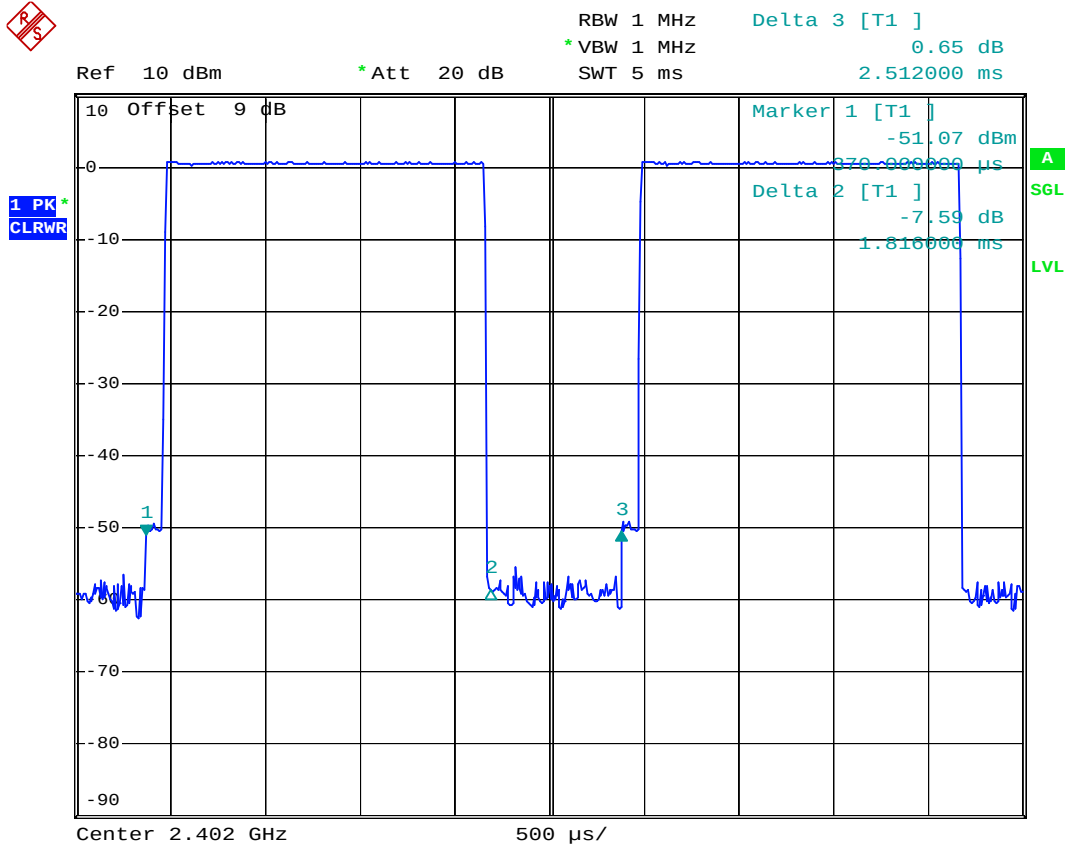
Date: 1.MAY.2006 15:25:23



Date: 1.MAY.2006 15:44:05



DH3 (CH00)

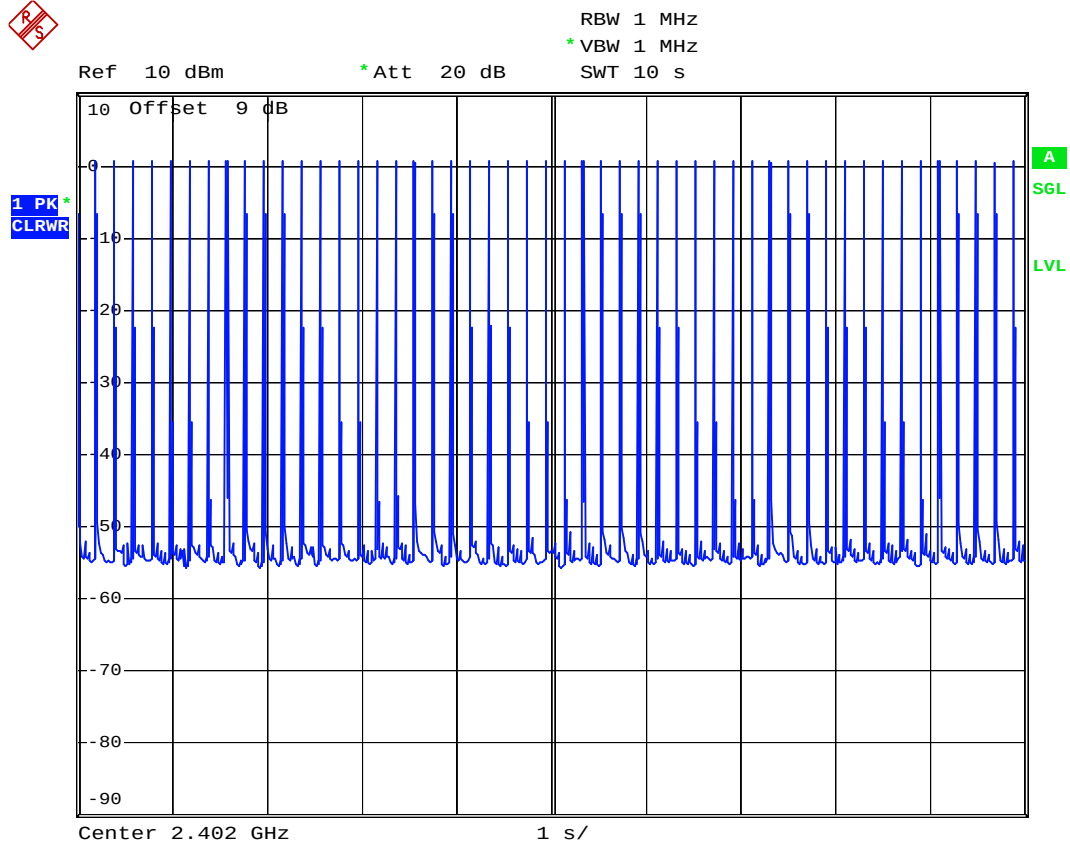


Date: 1.MAY.2006 15:26:51



FCC TEST REPORT

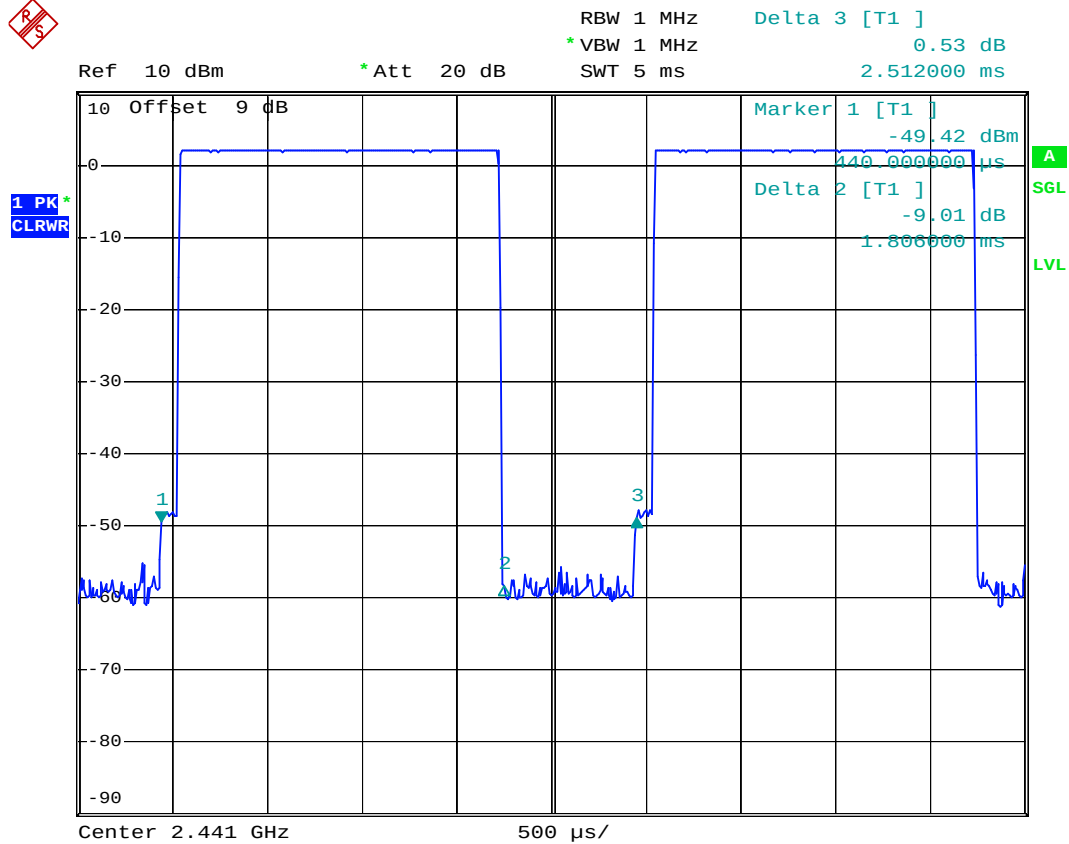
Report No. : FR632813-A



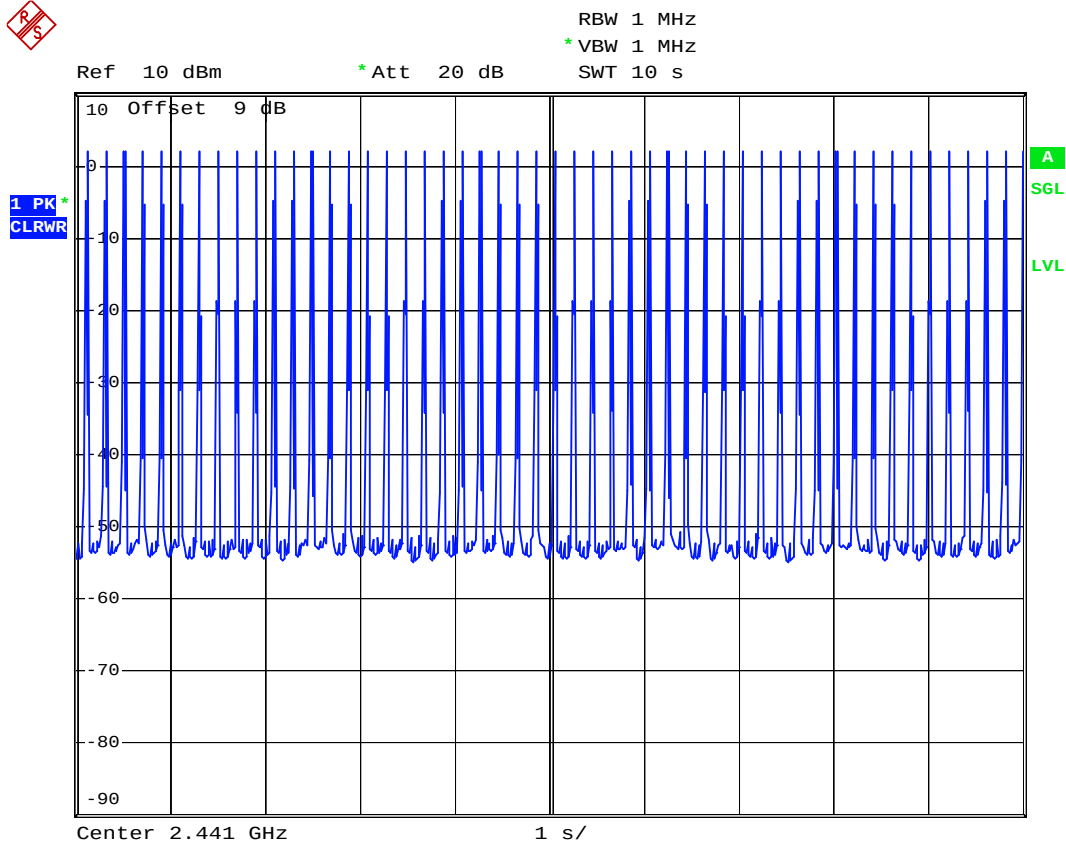
Date: 1.MAY.2006 15:41:01



DH3 (CH39)



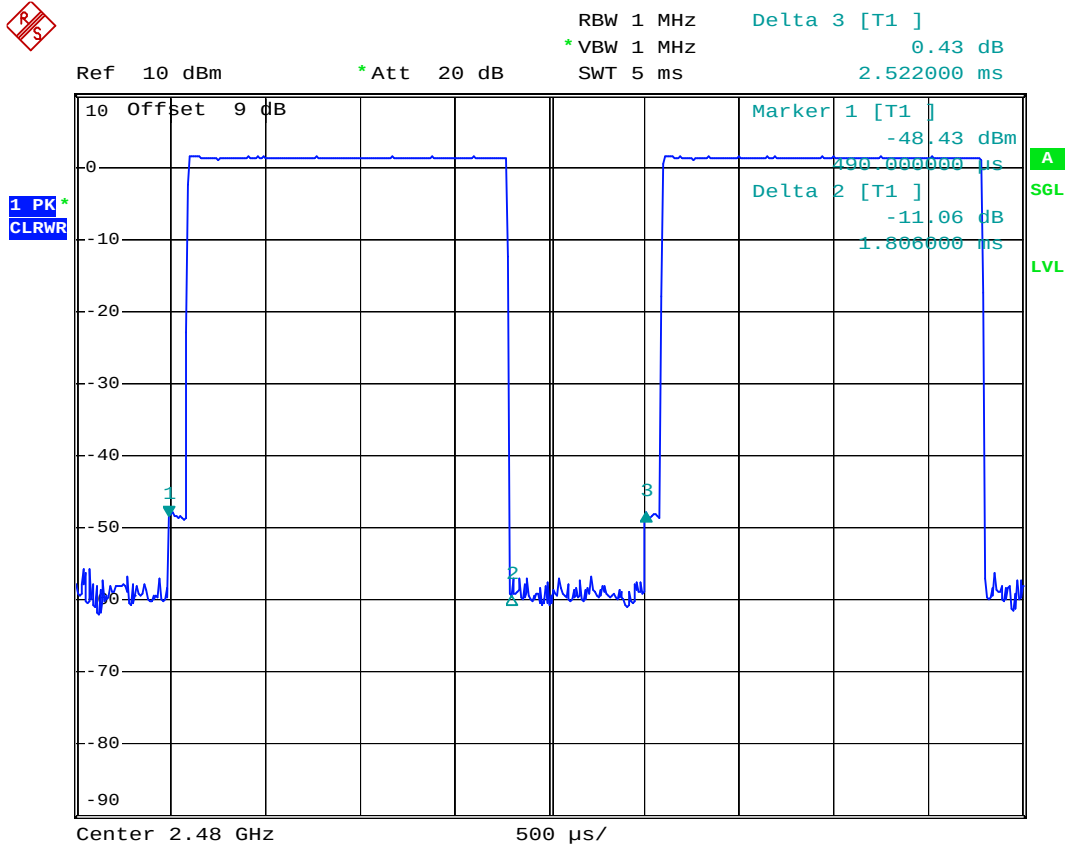
Date: 1.MAY.2006 15:27:34



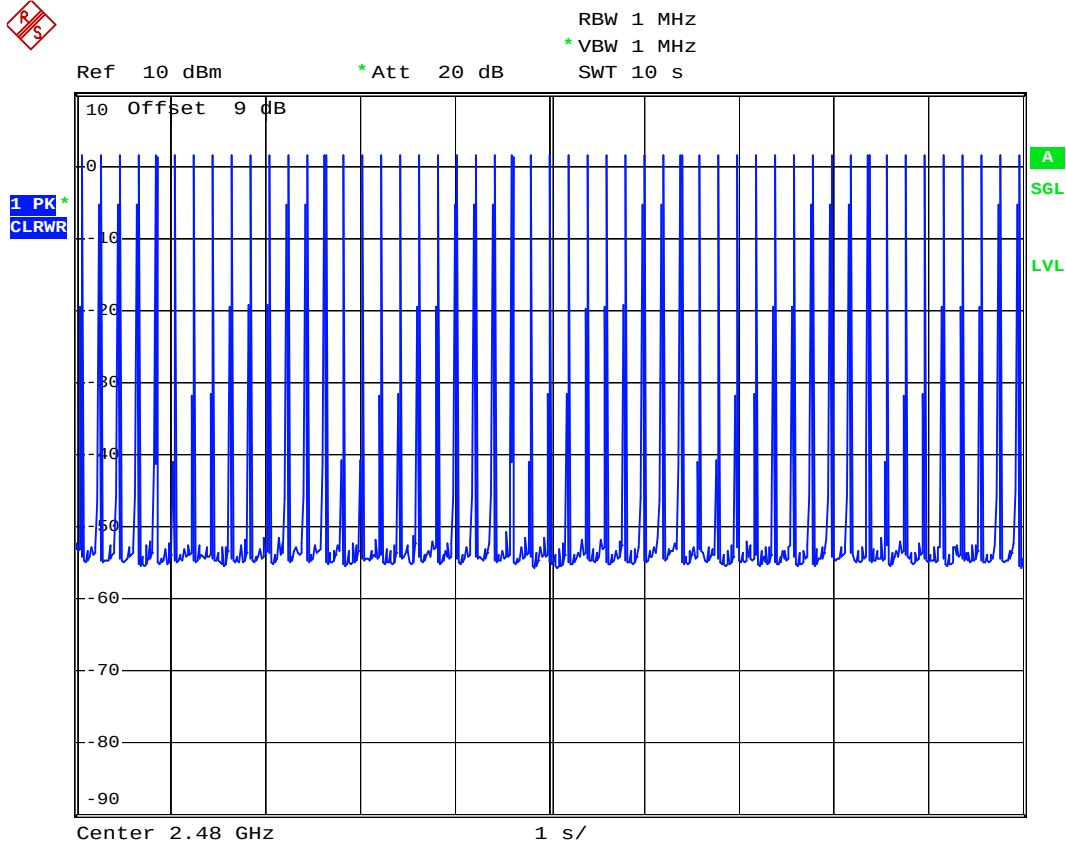
Date: 1.MAY.2006 15:41:36



DH3 (CH78)



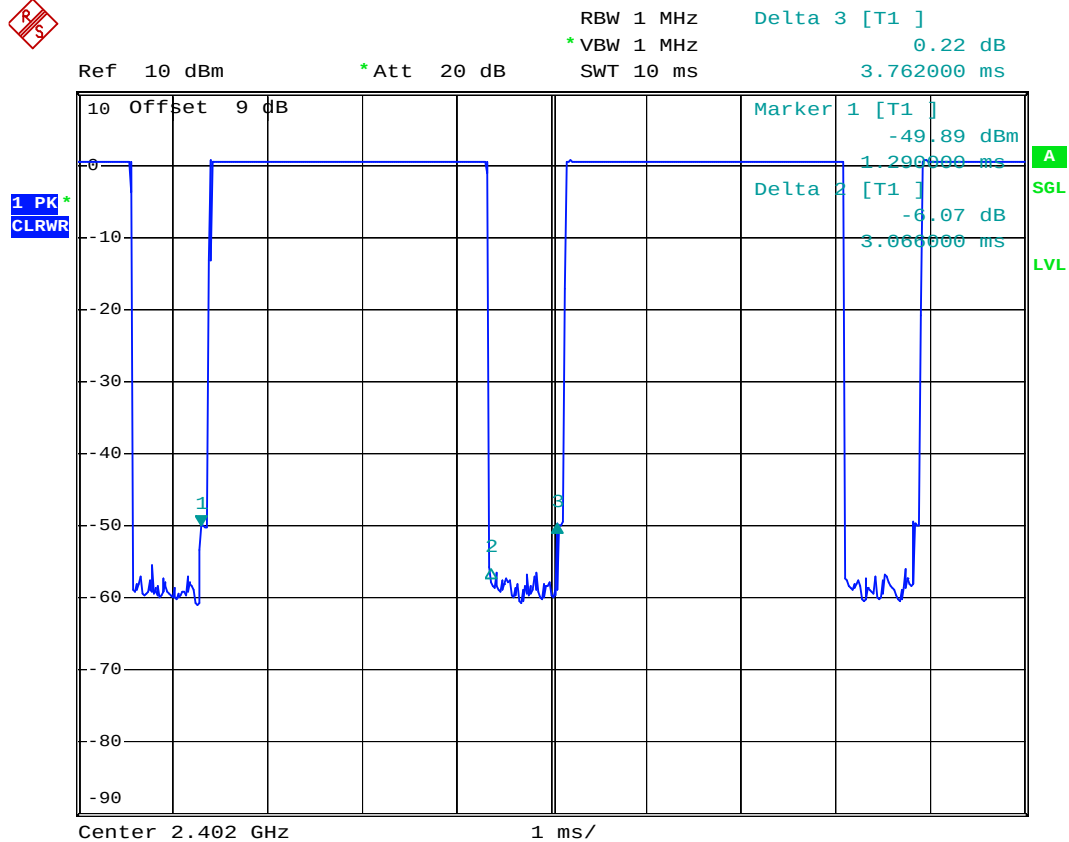
Date: 1.MAY.2006 15:28:07



Date: 1.MAY.2006 15:42:30



DH5 (CH00)

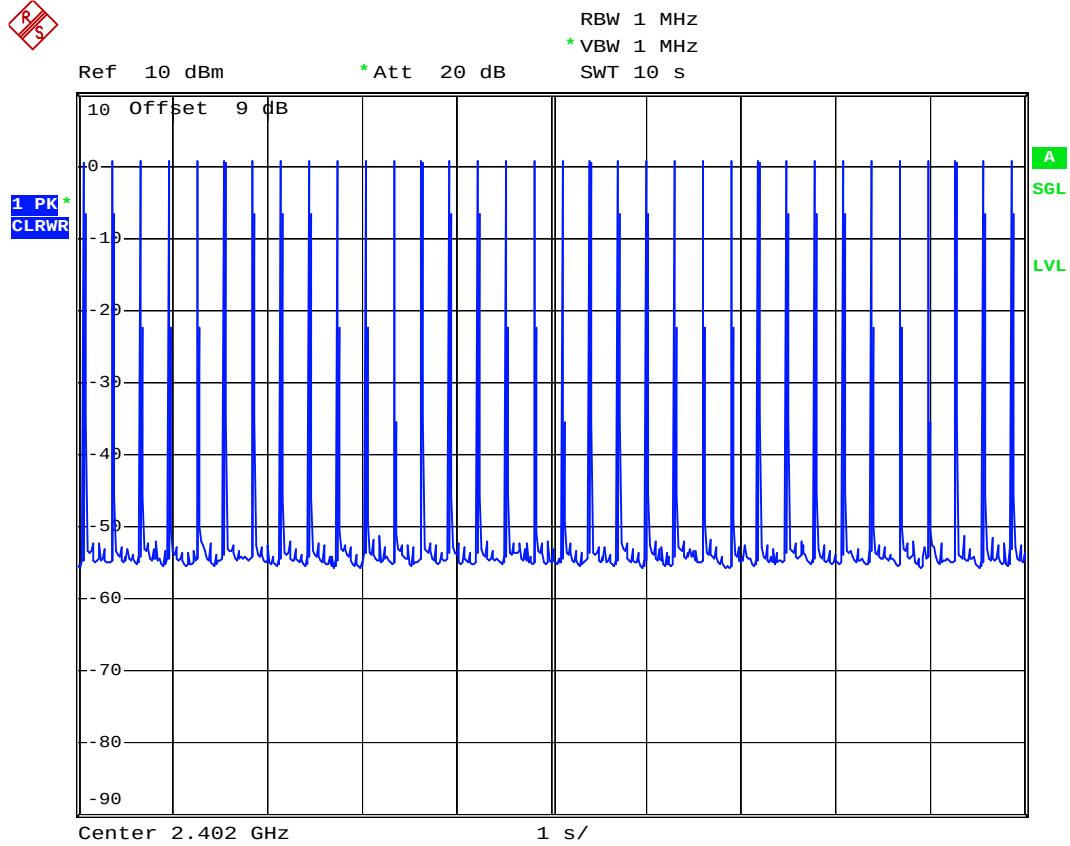


Date: 1.MAY.2006 15:29:29



FCC TEST REPORT

Report No. : FR632813-A



Date: 1.MAY.2006 15:40:20

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : JYV-VMW1BB

IC ID : 4626A-UPX001

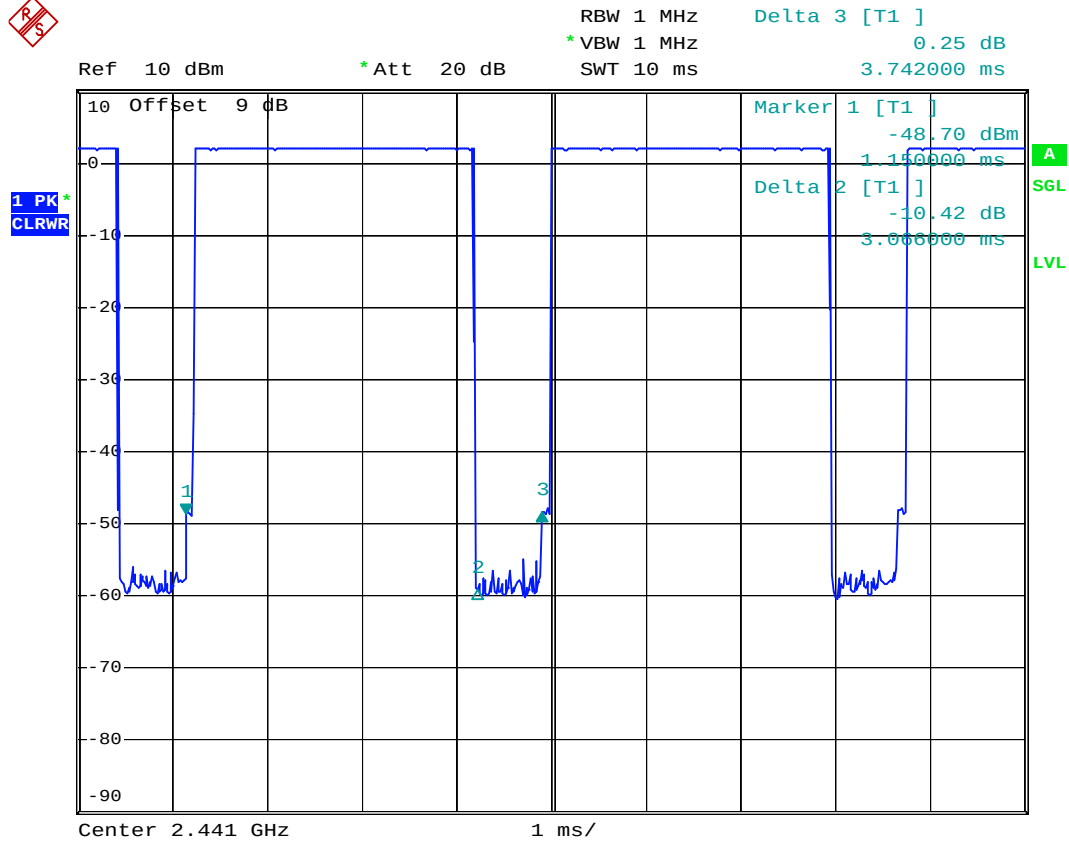
Page No. : 66 of 144

Report Issued Date : Jun. 12, 2006

Report Version : Rev. 01



DH5 (CH39)

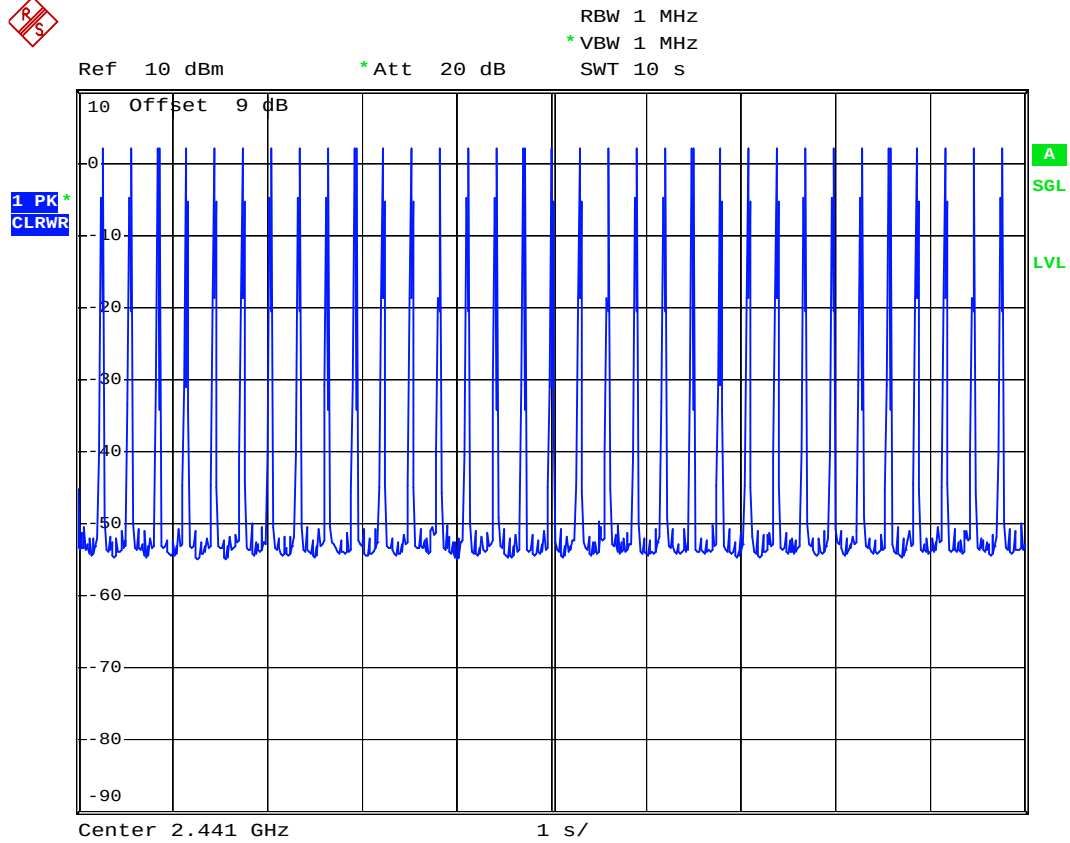


Date: 1.MAY.2006 15:30:20



FCC TEST REPORT

Report No. : FR632813-A



Date: 1.MAY.2006 15:39:54

SPORTON International Inc.

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID : JYV-VMW1BB

IC ID : 4626A-UPX001

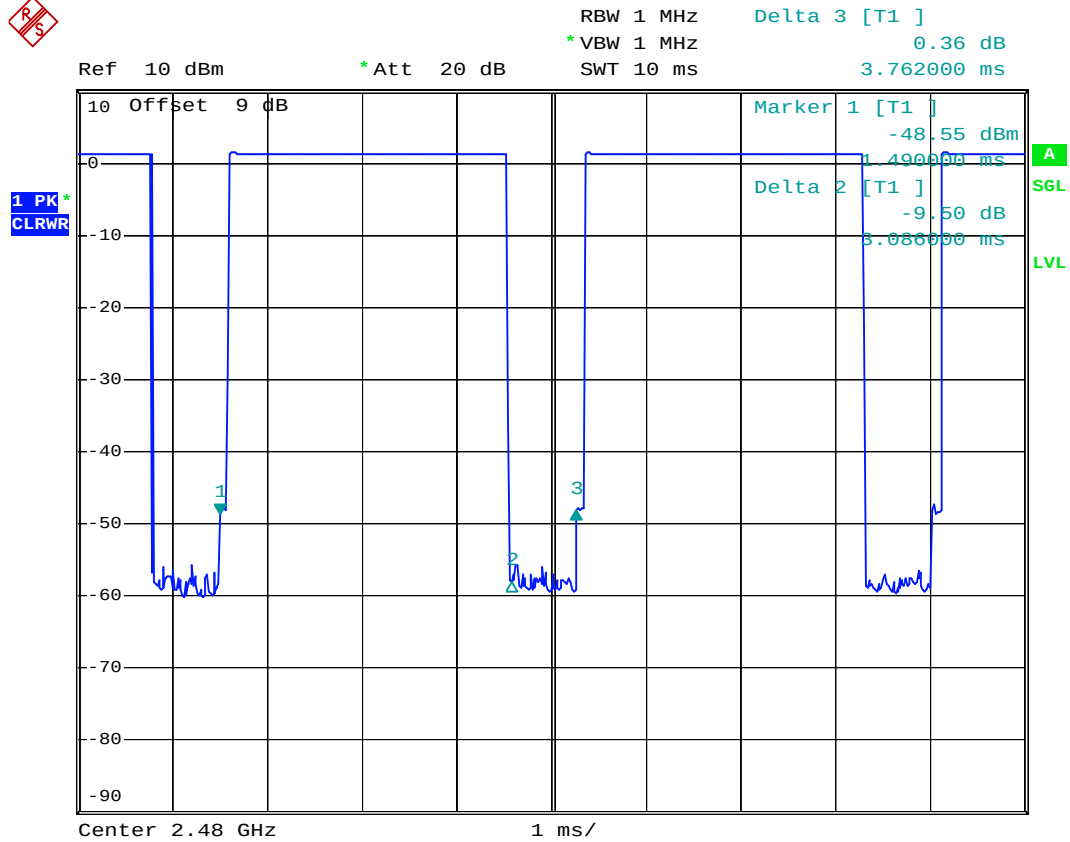
Page No. : 68 of 144

Report Issued Date : Jun. 12, 2006

Report Version : Rev. 01



DH5 (CH78)

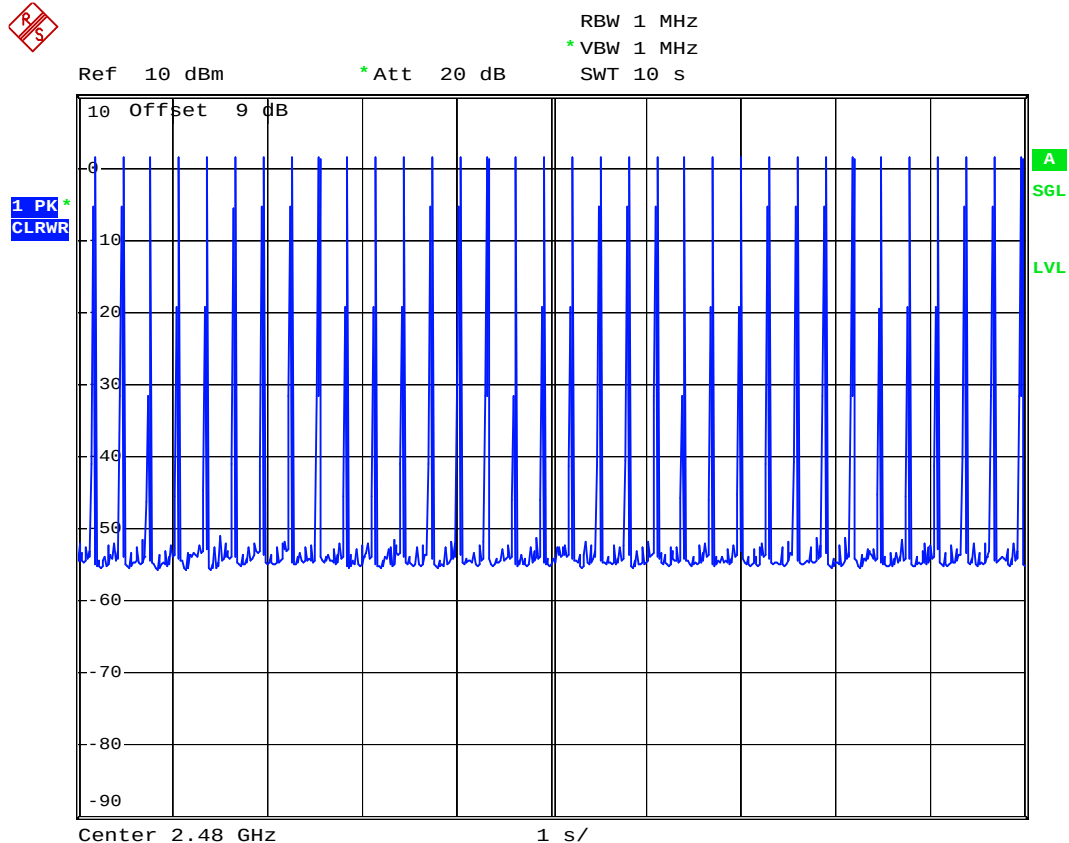


Date: 1.MAY.2006 15:30:59



FCC TEST REPORT

Report No. : FR632813-A



Date: 1.MAY.2006 15:37:20

5.9 Peak Output Power Measurement

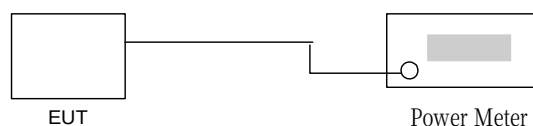
5.9.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.9.2 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.

5.9.3 Test Setup Layout :



5.9.4 Test Result :

- Application Type : WLAN 802.11b/g and BT
- Temperature : 21°C
- Relative Humidity : 61 %
- Test Enginner : James

WLAN 802.11b

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	17.77	1W/30 dBm
06	2437	17.55	1W/30 dBm
11	2462	17.11	1W/30 dBm

WLAN 802.11g

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	21.94	1W/30 dBm
06	2437	21.43	1W/30 dBm
11	2462	21.13	1W/30 dBm

**WLAN 802.11a**

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
149	5745	18.16	1W/30 dBm
157	5785	18.37	1W/30 dBm
165	5825	18.20	1W/30 dBm

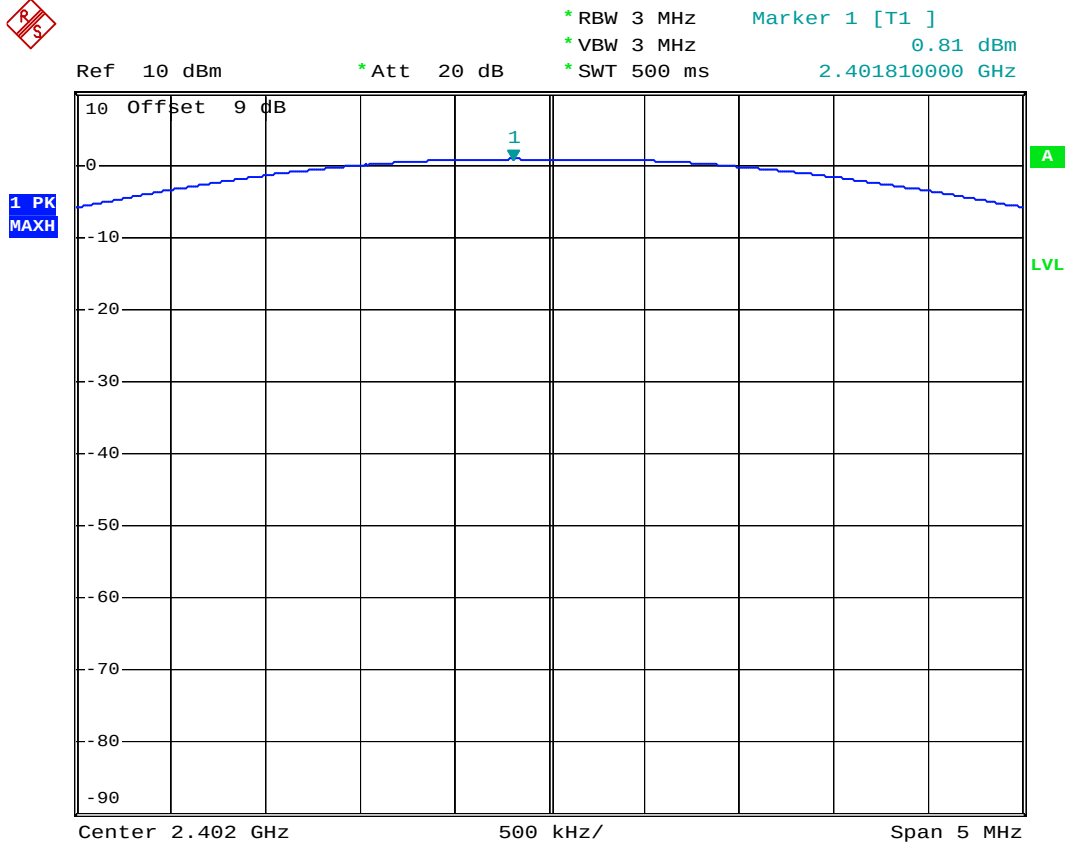
Bluetooth

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
00	2402	0.81	1W/30 dBm
39	2441	1.99	1W/30 dBm
78	2480	1.43	1W/30 dBm



5.9.5 Output Power

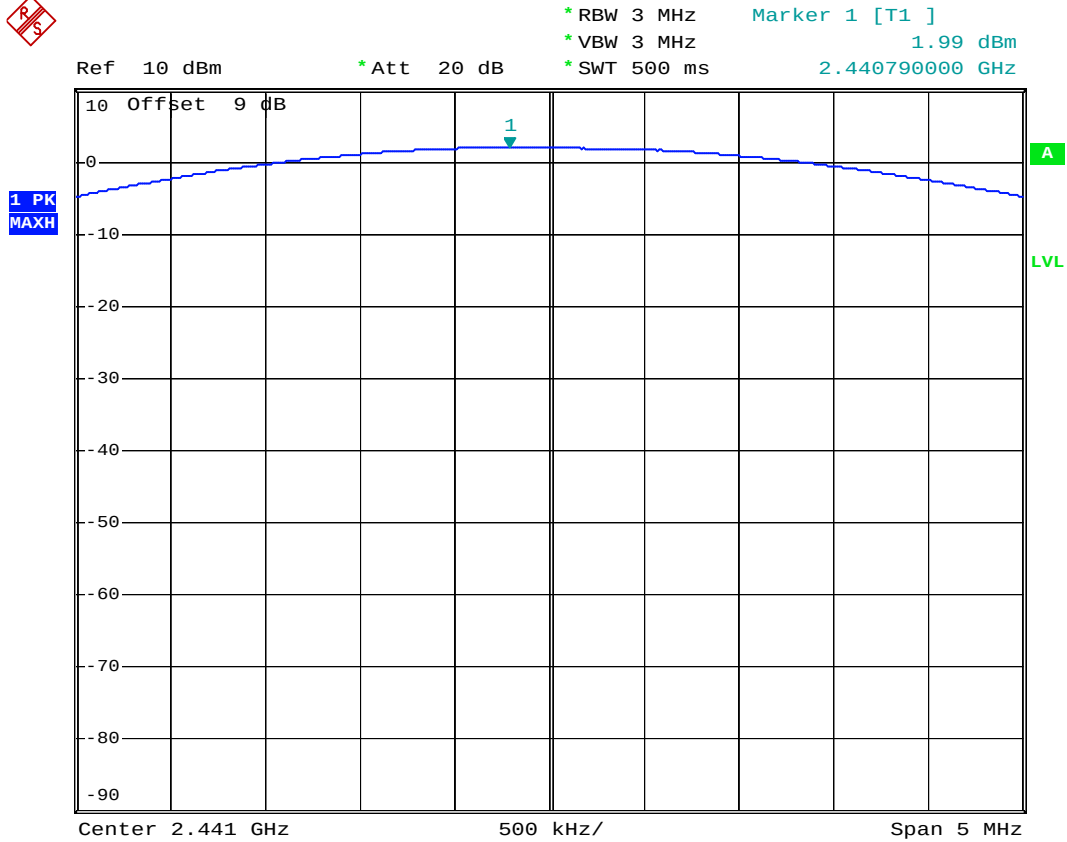
BT Mode : CH00 (2402MHz)



Date: 1.MAY.2006 15:00:32



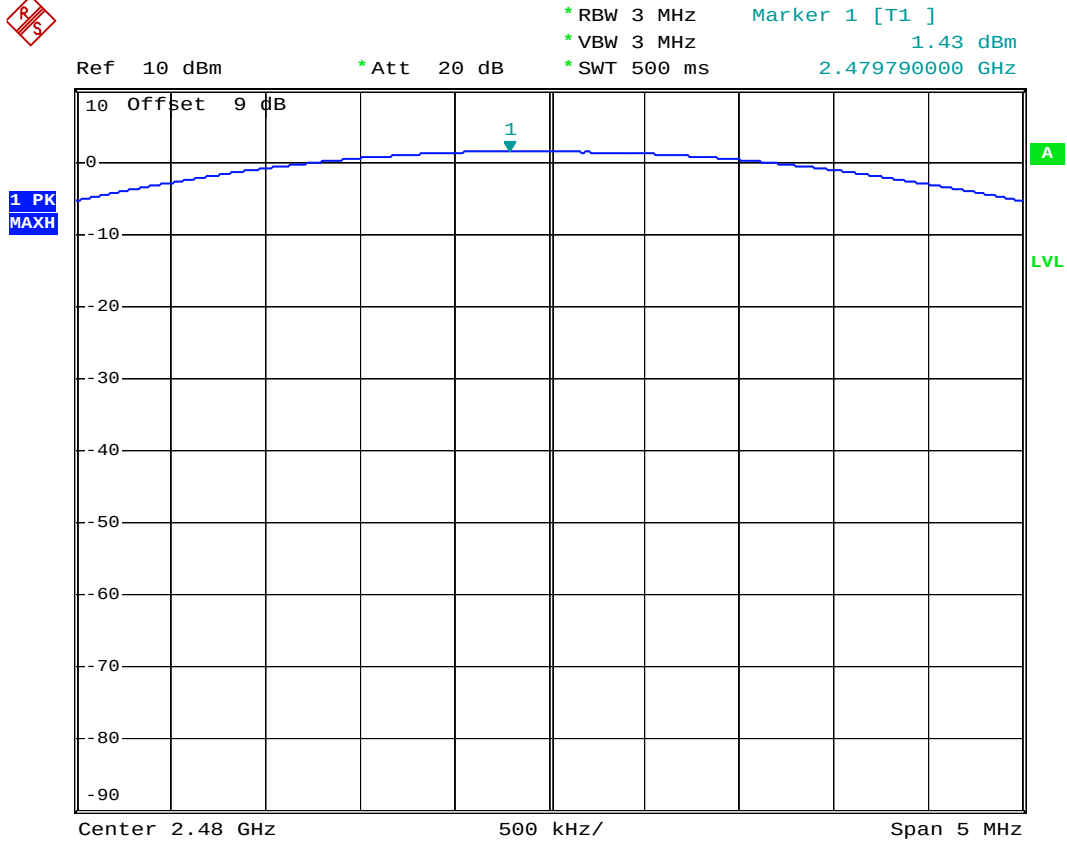
BT Mode : CH39 (2441MHz)



Date: 1.MAY.2006 14:59:23



BT Mode : CH78 (2480MHz)



Date: 1.MAY.2006 14:59:51



5.10 Conducted Emission

5.10.1 Measuring Instruments

As described in chapter 6 of this test Report.

5.10.2 Test Procedures :

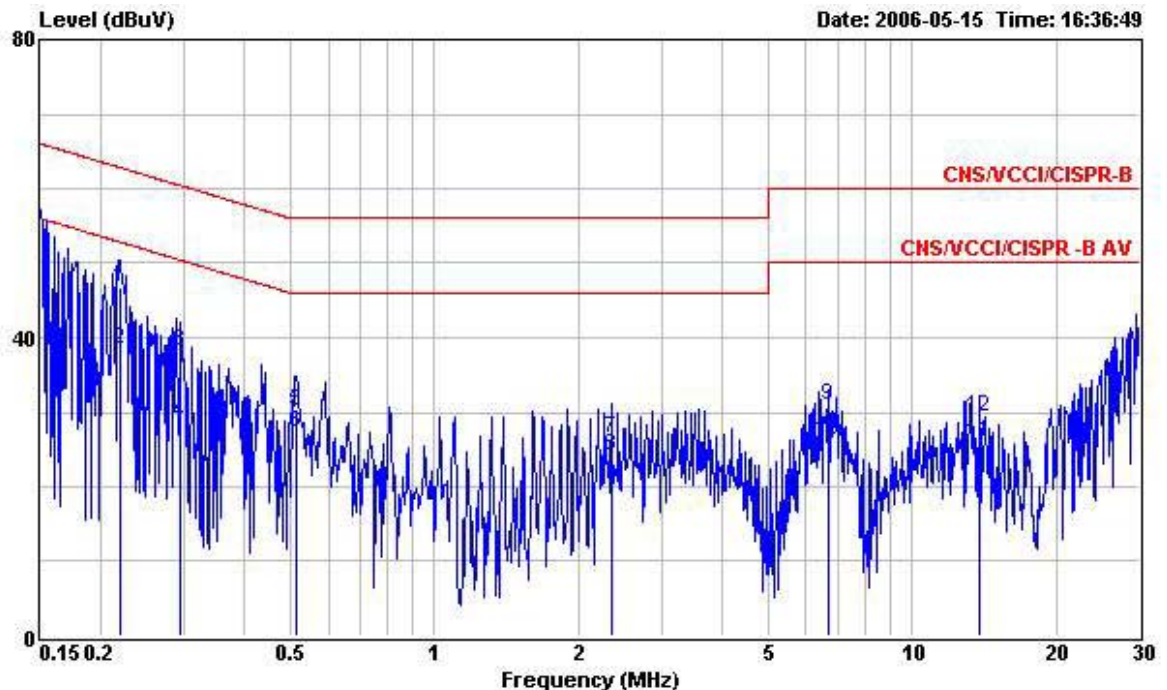
- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power port of a line impedance stabilization network (LISN).
- c. All the support units are connected to the other LISN.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



5.10.3 Test Data

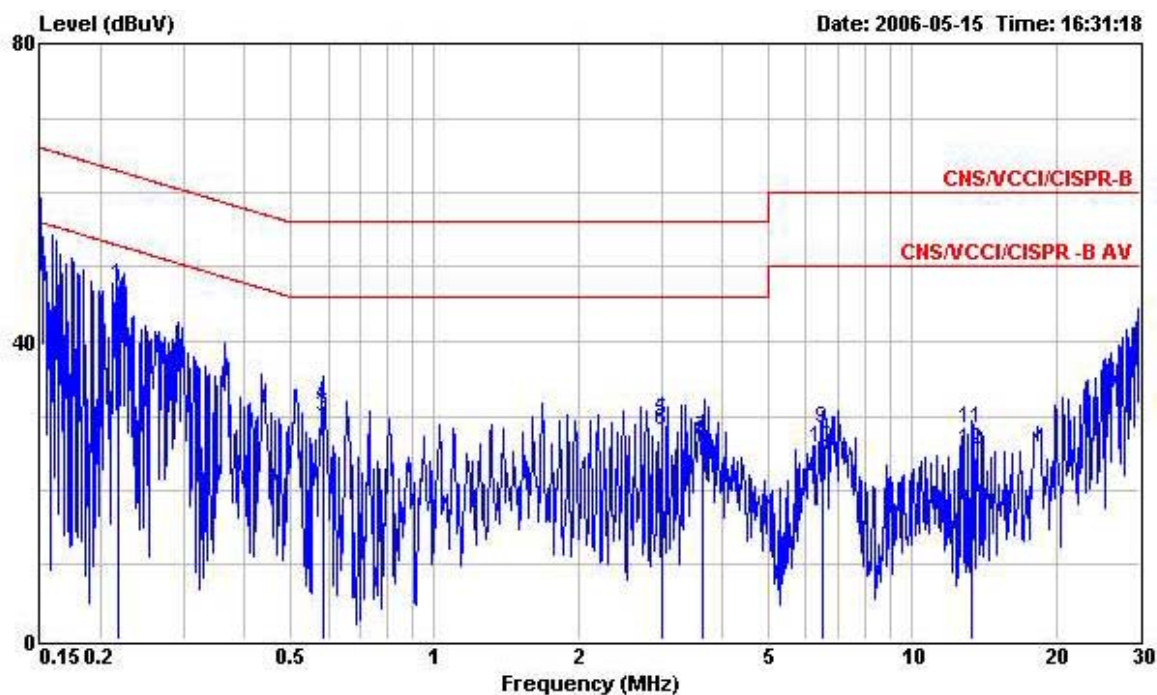
- Temperature : 21 °C
- Relative Humidity : 61 %
- Test Engineer : James
- Test Mode : Mode 1

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



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2001/004 200604 LINE
 EUT : VM(CPU type:UL V/dual core,LV/singlecore
 Power : 120V/60Hz
 Model : FR632813
 Memo : 11g Tx CH06
 Memo :
 Memo :

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.219	46.63	-16.23	62.86	46.47	0.10	0.06	QP
2	0.219	38.37	-14.49	52.86	38.21	0.10	0.06	Average
3	0.294	38.11	-22.29	60.40	37.94	0.10	0.07	QP
4	0.294	28.65	-21.75	50.40	28.48	0.10	0.07	Average
5	0.514	30.23	-25.77	56.00	30.06	0.10	0.07	QP
6	0.514	27.40	-18.60	46.00	27.23	0.10	0.07	Average
7	2.342	26.57	-29.43	56.00	26.33	0.12	0.12	QP
8	2.342	24.27	-21.73	46.00	24.03	0.12	0.12	Average
9	6.664	30.96	-29.04	60.00	30.57	0.26	0.13	QP
10	6.664	26.34	-23.66	50.00	25.95	0.26	0.13	Average
11	13.770	25.86	-24.14	50.00	25.40	0.30	0.16	Average
12	13.770	29.26	-30.74	60.00	28.80	0.30	0.16	QP



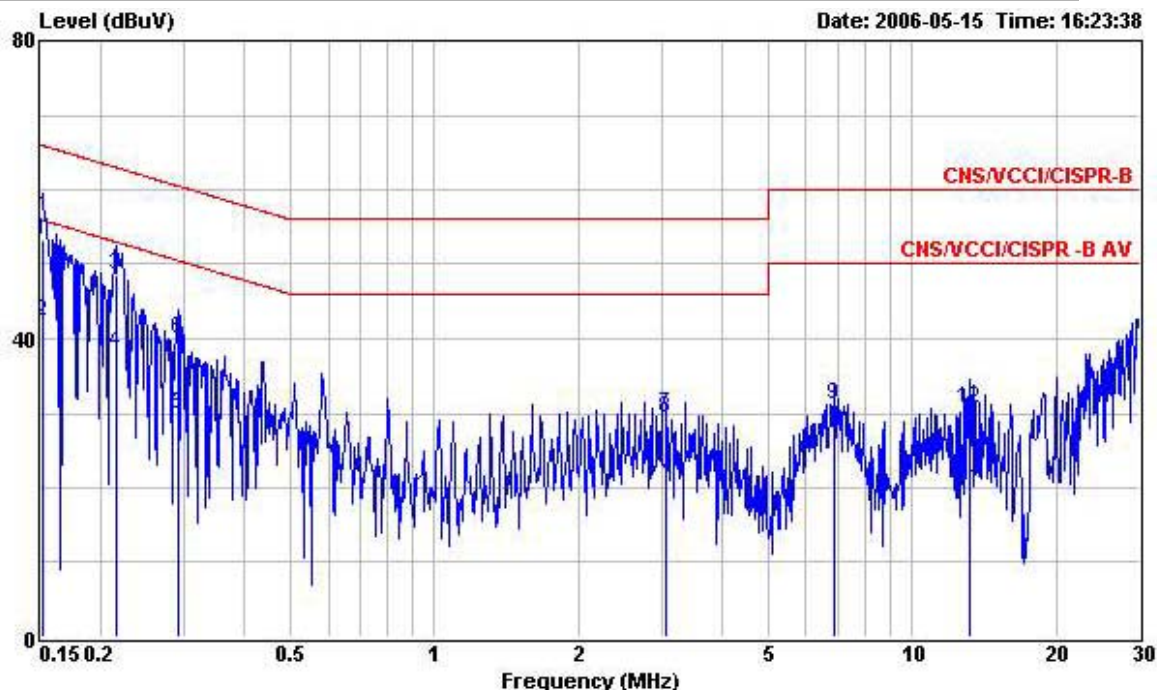
Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL
EUT : VM(CPU type:UL V/dual core,LV/singlecore
Power : 120V/60Hz
Model : FR632813
Memo : 11g Tx CH06
Memo :
Memo :

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.217	47.63	-15.30	62.93	47.47	0.10	0.06	QP
2	0.217	37.78	-15.15	52.93	37.62	0.10	0.06	Average
3	0.585	29.80	-16.20	46.00	29.64	0.10	0.06	Average
4	0.585	31.49	-24.51	56.00	31.33	0.10	0.06	QP
5	2.997	29.35	-26.65	56.00	29.13	0.10	0.12	QP
6	2.997	28.00	-18.00	46.00	27.78	0.10	0.12	Average
7	3.649	27.12	-28.88	56.00	26.90	0.10	0.12	QP
8	3.649	26.41	-19.59	46.00	26.19	0.10	0.12	Average
9	6.507	28.41	-31.59	60.00	28.13	0.15	0.13	QP
10	6.507	25.67	-24.33	50.00	25.39	0.15	0.13	Average
11	13.313	28.32	-31.68	60.00	27.90	0.27	0.15	QP
12	13.313	25.57	-24.43	50.00	25.15	0.27	0.15	Average



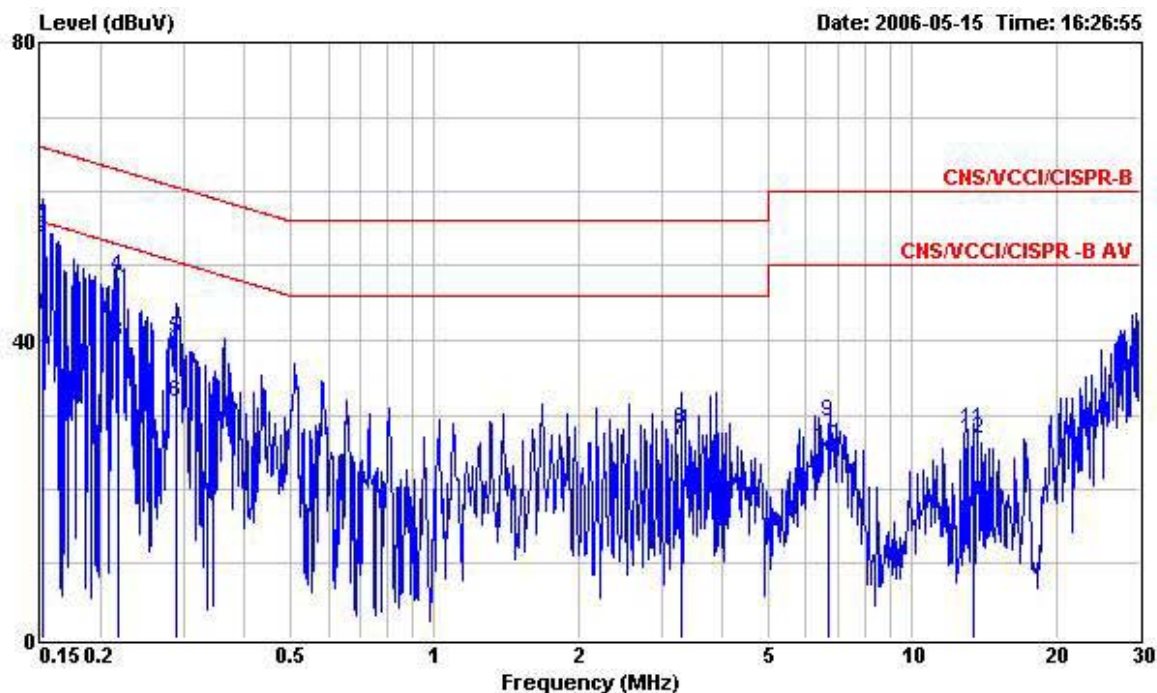
- Temperature : 21 °C
- Relating Humidity : 61 %
- Test Enginner : James
- Test Mode : Mode 2

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



Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2001/004 200604 LINE
EUT : VM(CPU type:UL V/dual core,LV/singlecore
Power : 120V/60Hz
Model : FR632813
Memo : 11a Tx CH036
Memo :
Memo :

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.151	53.29	-12.65	65.94	53.14	0.10	0.05	QP
2	0.151	42.22	-13.72	55.94	42.07	0.10	0.05	Average
3	0.216	48.58	-14.39	62.97	48.42	0.10	0.06	QP
4	0.216	38.09	-14.88	52.97	37.93	0.10	0.06	Average
5	0.291	29.76	-20.74	50.50	29.59	0.10	0.07	Average
6	0.291	39.94	-20.56	60.50	39.77	0.10	0.07	QP
7	3.060	29.96	-26.04	56.00	29.68	0.16	0.12	QP
8	3.060	29.27	-16.73	46.00	28.99	0.16	0.12	Average
9	6.846	31.08	-28.92	60.00	30.69	0.26	0.13	QP
10	6.846	27.60	-22.40	50.00	27.21	0.26	0.13	Average
11	13.189	19.85	-30.15	50.00	19.40	0.30	0.15	Average
12	13.189	30.71	-29.29	60.00	30.26	0.30	0.15	QP

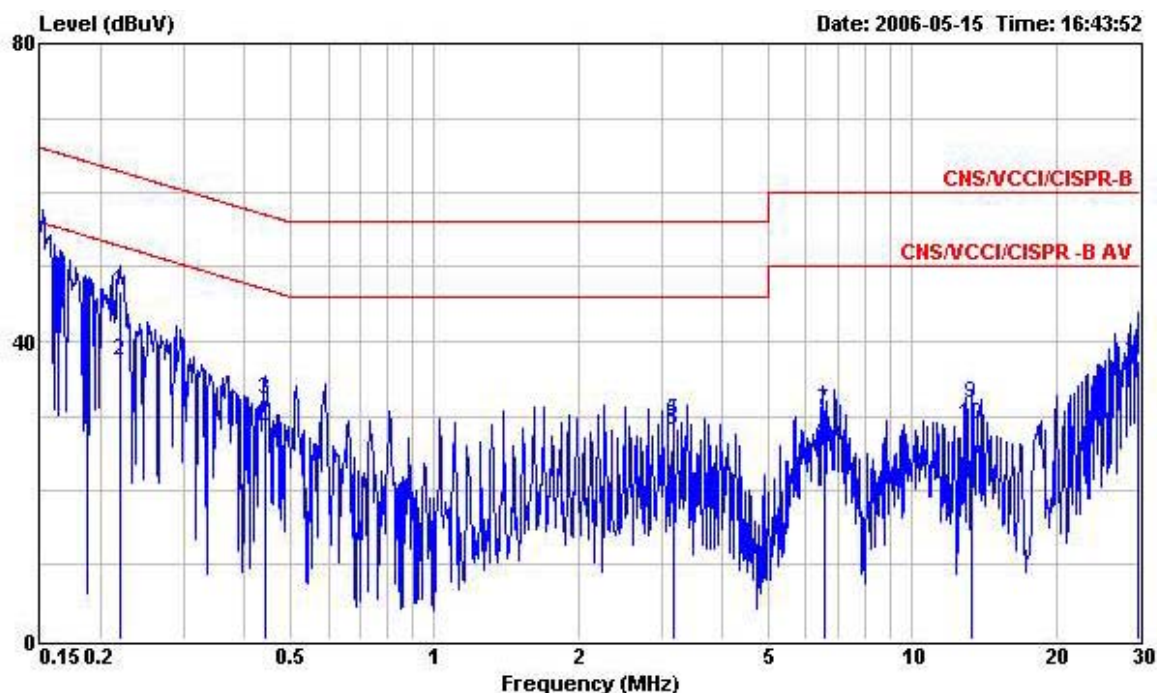


Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL
 EUT : VM(CPU type:UL V/dual core,LV/singlecore
 Power : 120V/60Hz
 Model : FR632813
 Memo : 11a Tx CH036
 Memo :
 Memo :

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.151	43.35	-12.59	55.94	43.20	0.10	0.05	Average
2	0.151	53.70	-12.24	65.94	53.55	0.10	0.05	QP
3	0.217	39.73	-13.20	52.93	39.57	0.10	0.06	Average
4	0.217	48.58	-14.35	62.93	48.42	0.10	0.06	QP
5	0.289	40.26	-20.29	60.55	40.09	0.10	0.07	QP
6	0.289	31.80	-18.75	50.55	31.63	0.10	0.07	Average
7	3.284	26.38	-29.62	56.00	26.16	0.10	0.12	QP
8	3.284	28.16	-17.84	46.00	27.94	0.10	0.12	Average
9	6.712	29.10	-30.90	60.00	28.81	0.16	0.13	QP
10	6.712	25.77	-24.23	50.00	25.48	0.16	0.13	Average
11	13.504	28.12	-31.88	60.00	27.70	0.27	0.15	QP
12	13.504	26.77	-23.23	50.00	26.35	0.27	0.15	Average

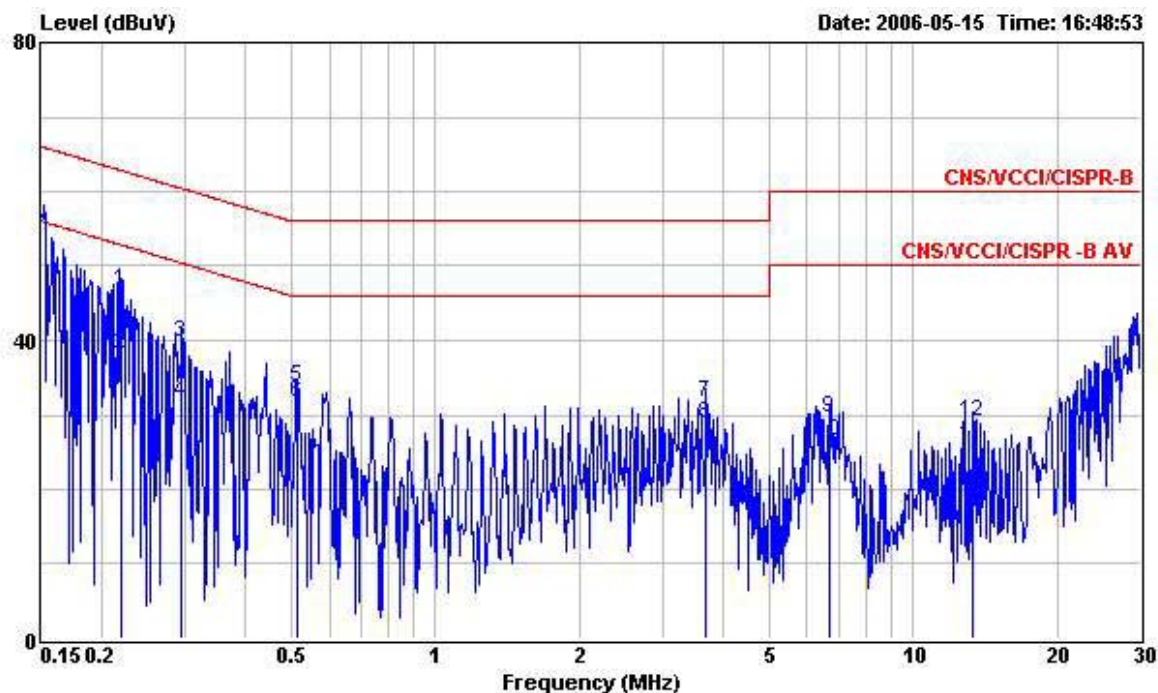
- Temperature : 21 °C
- Relating Humidity : 61 %
- Test Enginner : James
- Test Mode : Mode 3

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



Site : CO01-HY
 Condition : CNS/VCCI/CISPR-B 2001/004 200604 LINE
 EUT : VM(CPU type:UL V/dual core,LV/singlecore
 Power : 120V/60Hz
 Model : FR632813
 Memo : BT Tx CH39
 Memo :
 Memo :

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.220	46.68	-16.14	62.82	46.52	0.10	0.06	QP
2	0.220	37.46	-15.36	52.82	37.30	0.10	0.06	Average
3	0.442	32.24	-24.78	57.02	32.06	0.10	0.08	QP
4	0.442	27.97	-19.05	47.02	27.79	0.10	0.08	Average
5	3.155	29.40	-26.60	56.00	29.11	0.17	0.12	QP
6	3.155	28.07	-17.93	46.00	27.78	0.17	0.12	Average
7	6.531	30.61	-29.39	60.00	30.23	0.25	0.13	QP
8	6.531	26.17	-23.83	50.00	25.79	0.25	0.13	Average
9	13.290	31.62	-28.38	60.00	31.17	0.30	0.15	QP
10	13.290	28.89	-21.11	50.00	28.44	0.30	0.15	Average
11	29.817	37.30	-22.70	60.00	36.47	0.60	0.23	QP
12	29.817	33.54	-16.46	50.00	32.71	0.60	0.23	Average



Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL
EUT : VM(CPU type:UL V/dual core,LV/singlecore
Power : 120V/60Hz
Model : FR632813
Memo : BT Tx CH39
Memo :
Memo :

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.220	46.78	-16.04	62.82	46.62	0.10	0.06	QP
2	0.220	38.30	-14.52	52.82	38.14	0.10	0.06	Average
3	0.294	39.82	-20.59	60.41	39.65	0.10	0.07	QP
4	0.294	31.80	-18.61	50.41	31.63	0.10	0.07	Average
5	0.516	33.72	-22.28	56.00	33.55	0.10	0.07	QP
6	0.516	31.61	-14.39	46.00	31.44	0.10	0.07	Average
7	3.675	31.62	-24.38	56.00	31.40	0.10	0.12	QP
8	3.675	28.78	-17.22	46.00	28.56	0.10	0.12	Average
9	6.689	29.49	-30.51	60.00	29.20	0.16	0.13	QP
10	6.689	26.56	-23.44	50.00	26.27	0.16	0.13	Average
11	13.306	26.03	-23.97	50.00	25.61	0.27	0.15	Average
12	13.306	29.08	-30.92	60.00	28.66	0.27	0.15	QP



5.11 Radiated Emission Measurement

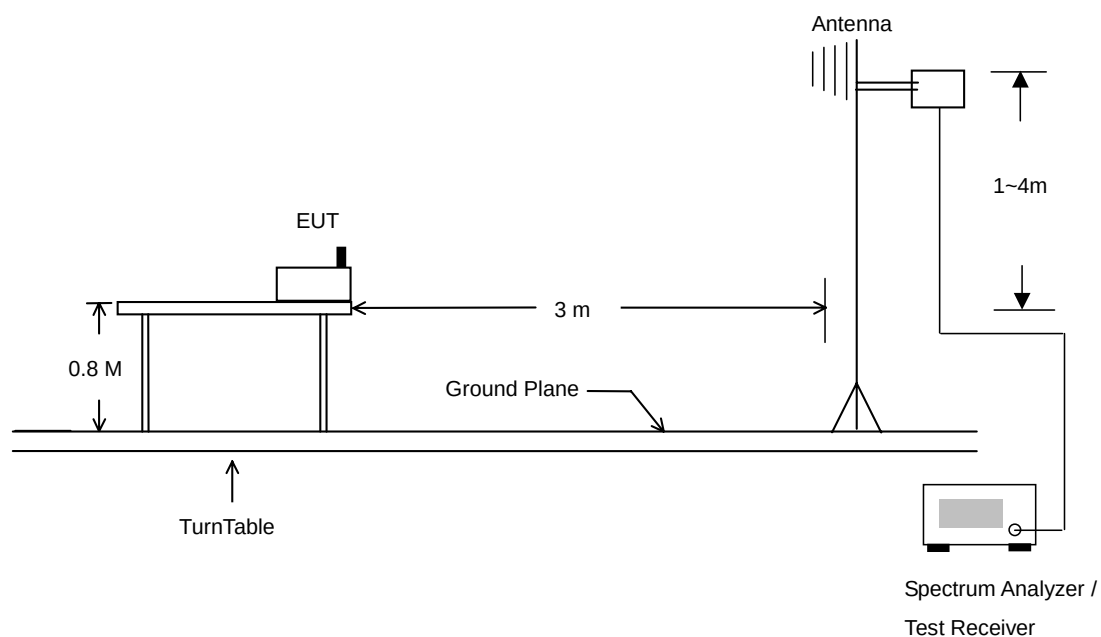
5.11.1 Measuring Instruments

As described in chapter 6 of this Report.

5.11.2 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.

5.11.3 Typical Test Setup Layout of Radiated Emission

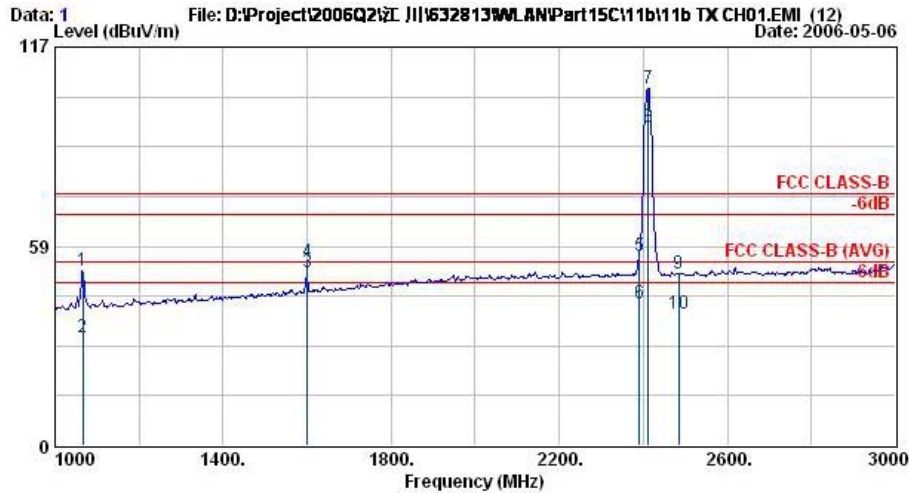




5.11.4 Test Data

- Temperature : 26°C
- Relative Humidity : 53%
- Test Engineer : Andy
- Test Mode : Mode 1
- Polarization : Horizontal

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



Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH01_2412MHz

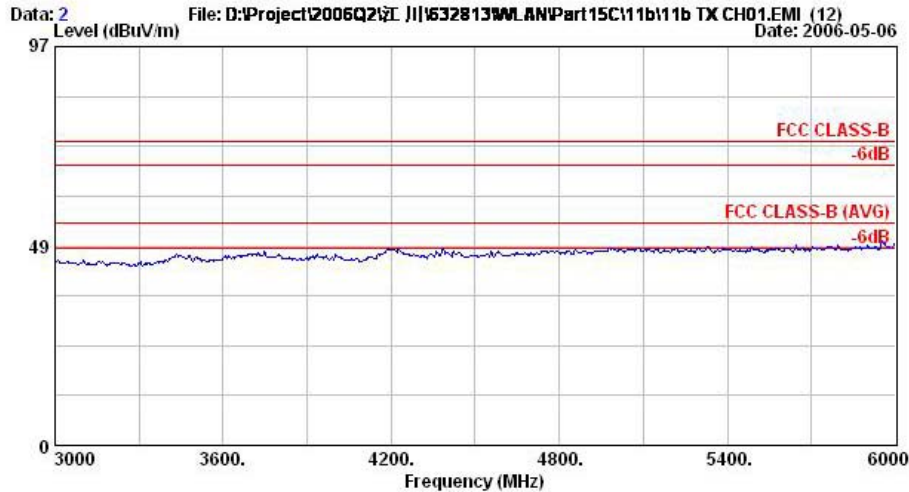
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1066.00	51.21	-22.79	74.00	60.40	24.46	2.82	36.46	100	0	Peak
2	1066.00	31.96	-42.04	74.00	41.15	24.46	2.82	36.46	100	0	Peak
3	1600.00	50.91	-23.09	74.00	56.17	26.90	3.46	35.62	100	0	Peak
4	1600.00	53.81	-0.19	54.00	59.02	26.90	3.48	35.59	100	296	Average
5	2390.00	55.61	-18.39	74.00	56.55	30.26	4.26	35.46	100	0	Peak
6	2390.00	41.72	-12.28	54.00	42.66	30.26	4.26	35.46	100	17	Average
7 X	2412.00	104.69			105.61	30.27	4.26	35.46	100	0	Peak
8 @	2412.00	93.59			94.52	30.27	4.26	35.46	100	17	Average
9	2484.00	50.61	-23.39	74.00	51.47	30.29	4.36	35.51	100	0	Peak
10	2484.00	38.71	-15.29	54.00	39.57	30.29	4.36	35.51	100	17	Average

Remark: #7 and #8 Fundamental Signal

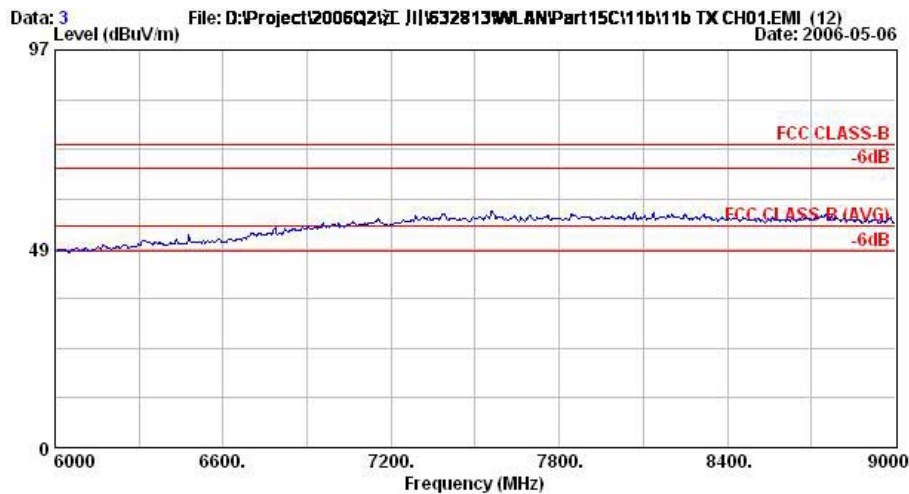


FCC TEST REPORT

Report No. : FR632813-A



Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH01,2412MHz

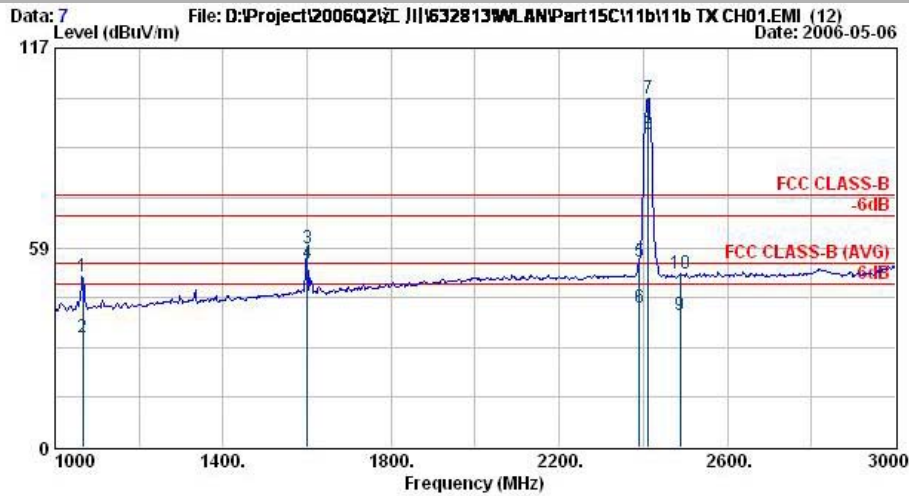


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH01,2412MHz



- Polarization : Vertical

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



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH01_2412MHz

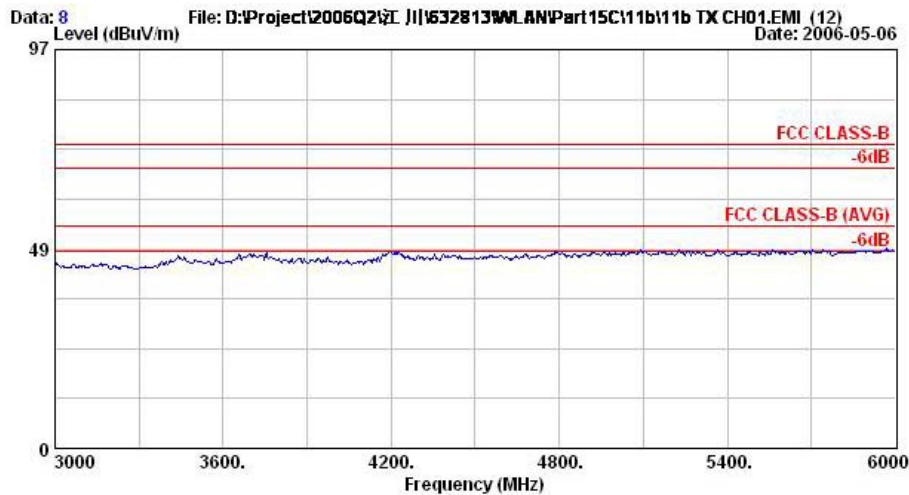
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1066.00	50.04	-23.96	74.00	59.23	24.46	2.82	36.46	100	360
2	1066.00	32.13	-21.87	54.00	41.32	24.46	2.82	36.46	100	335
3	1600.00	58.39	-15.61	74.00	63.65	26.90	3.46	35.62	100	360
4 !	1600.00	53.78	-0.22	54.00	58.99	26.90	3.48	35.59	100	172
5	2390.00	54.58	-19.42	74.00	55.51	30.26	4.26	35.46	100	360
6	2390.00	40.85	-13.15	54.00	41.79	30.26	4.26	35.46	124	11
7 X	2412.00	102.07			103.00	30.27	4.26	35.46	100	360
8 X	2412.00	91.78			92.71	30.27	4.26	35.46	124	11
9	2488.00	38.67	-15.33	54.00	39.52	30.30	4.36	35.51	124	11
10	2488.00	50.78	-23.22	74.00	51.63	30.30	4.36	35.51	100	360

Remark: #7 and #8 Fundamental Signal

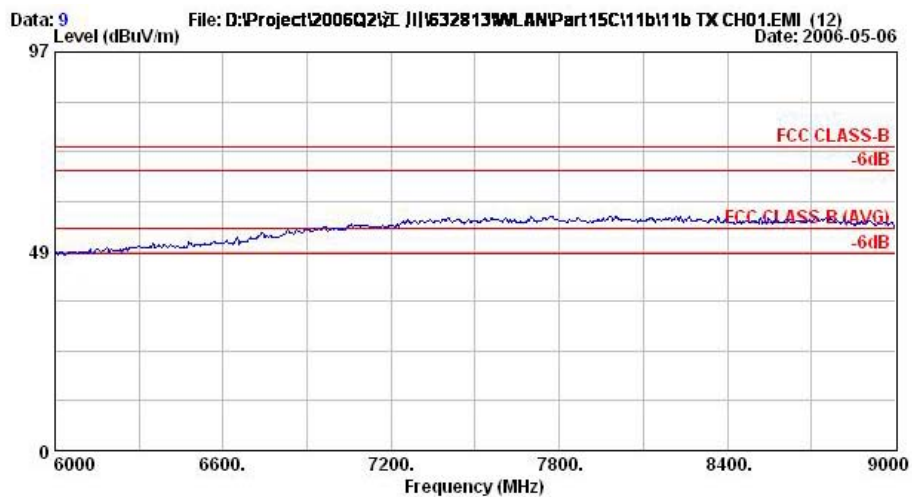


FCC TEST REPORT

Report No. : FR632813-A



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH01,2412MHz



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH01,2412MHz

Remark : Frequency from 9GHz to 25GHz, the emission emitted by the EUT is too low to be measured.



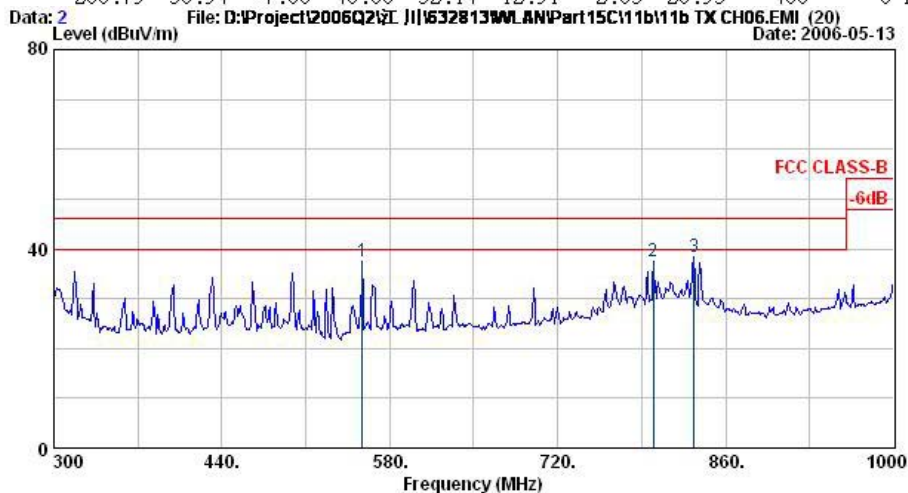
- Test Mode : Mode 2
- Polarization : Horizontal

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



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	216.03	32.89	-13.11	46.00	49.41	9.58	2.69	28.78	400	0 Peak
2 @	238.44	39.56	-6.44	46.00	54.82	10.87	2.79	28.93	137	286 Peak
3	266.79	38.94	-7.06	46.00	52.14	12.91	2.85	28.95	400	0 Peak



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz

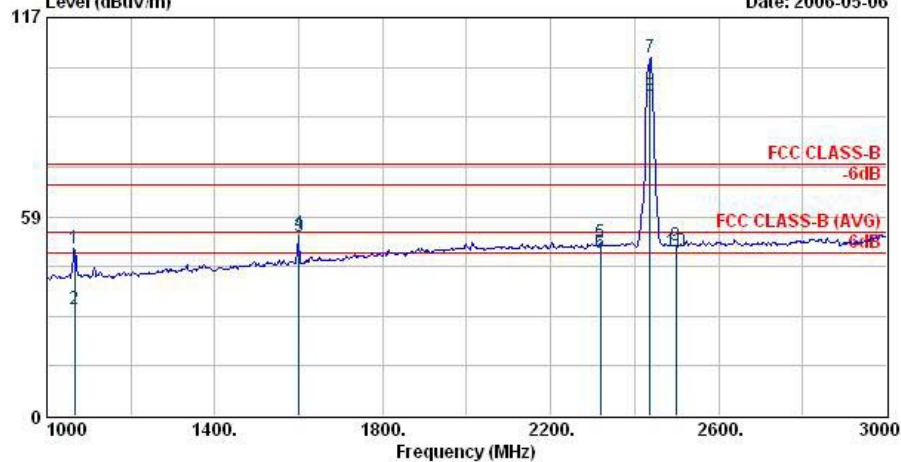
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	556.90	37.53	-8.47	46.00	43.64	18.59	4.36	29.06	100	0 Peak
2	799.80	37.49	-8.51	46.00	38.84	21.90	5.62	28.87	100	0 Peak
3	833.40	38.23	-7.77	46.00	40.44	21.25	5.59	29.05	100	0 Peak



FCC TEST REPORT

Report No. : FR632813-A

Data: 3 File: D:\Project\2006Q2\JL J\1632813\ML\AN\Part15C\11b\11b TX CH06.EMI (20) Date: 2006-05-06
Level (dBuV/m)

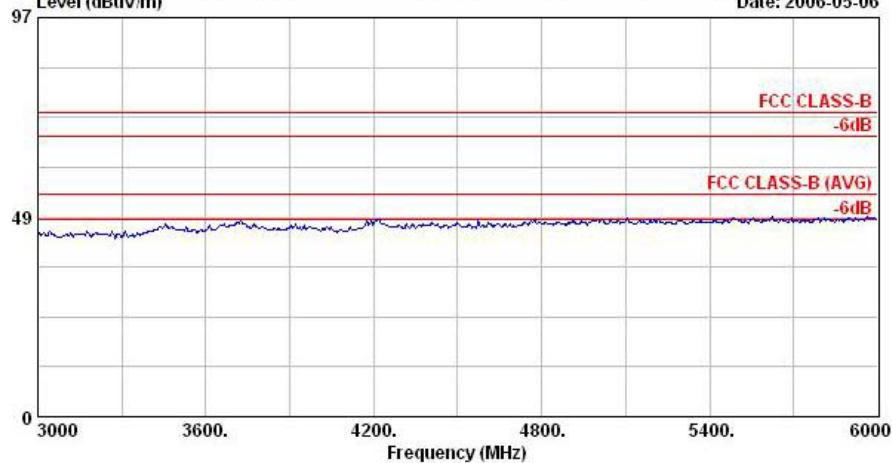


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	1066.00	49.12	-24.88	74.00	58.31	24.46	2.82	36.46	100	360 Peak
2	1066.00	31.30	-22.70	54.00	40.49	24.46	2.82	36.46	115	281 Average
3	1600.00	52.58	-21.42	74.00	57.84	26.90	3.46	35.62	100	360 Peak
4 @	1600.00	53.52	-0.48	54.00	58.73	26.90	3.48	35.59	100	293 Average
5	2318.00	50.75	-23.25	74.00	51.76	30.23	4.17	35.40	100	360 Peak
6 @	2318.00	48.00	-6.00	54.00	49.00	30.23	4.17	35.40	100	22 Average
7 @	2437.00	105.13			106.04	30.28	4.29	35.47	100	360 Peak
8 @	2437.00	94.06			94.96	30.28	4.29	35.47	100	22 Average
9	2498.00	50.20	-23.80	74.00	51.04	30.30	4.39	35.53	100	360 Peak
10 @	2498.00	48.15	-5.85	54.00	48.99	30.30	4.39	35.53	100	22 Average

Remark: #7 and #8 Fundamental Signal

Data: 4 File: D:\Project\2006Q2\JL J\1632813\ML\AN\Part15C\11b\11b TX CH06.EMI (20) Date: 2006-05-06
Level (dBuV/m)

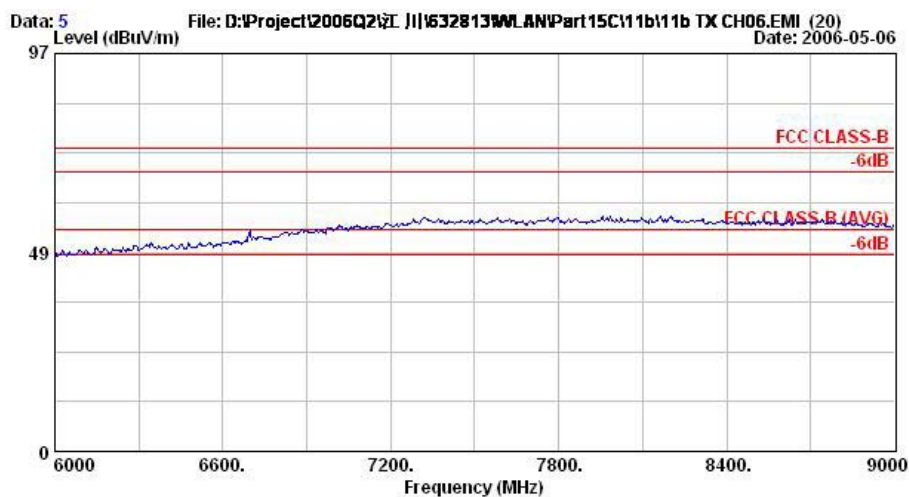


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz



FCC TEST REPORT

Report No. : FR632813-A

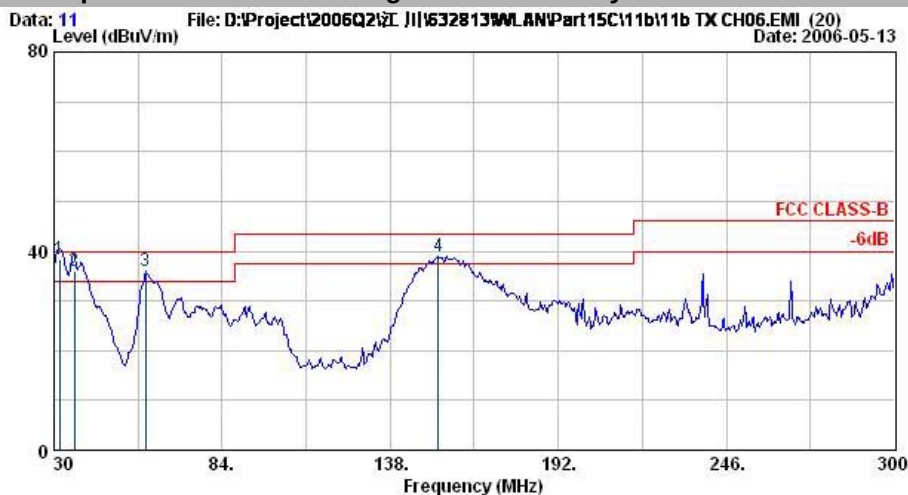


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz



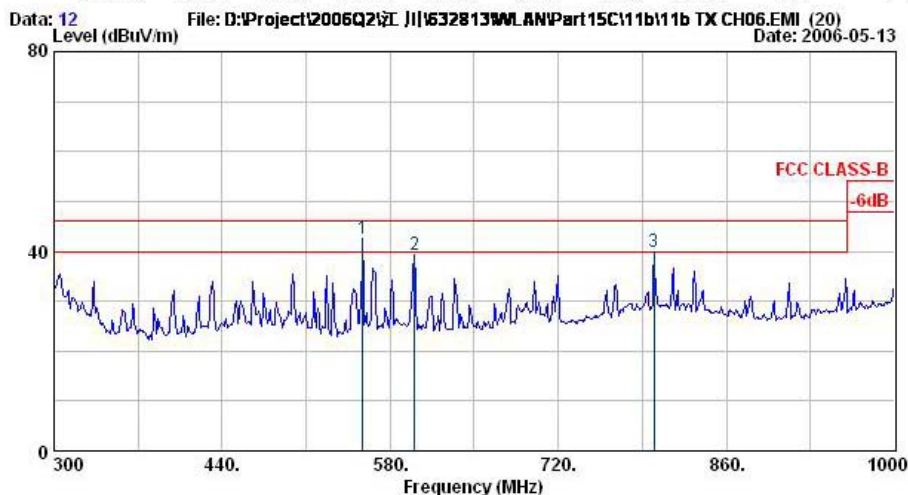
- Polarization : Vertical

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



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz

	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	dB	cm	deg	
1 @	31.89	38.51	-1.49	40.00	48.10	18.07	0.97	28.63	100	356 QP
2 @	36.48	36.04	-3.96	40.00	47.36	16.17	1.16	28.65	100	356 QP
3 @	59.43	35.90	-4.10	40.00	56.45	6.89	1.21	28.65	400	0 Peak
4 @	153.39	38.83	-4.67	43.50	56.12	9.34	2.19	28.82	400	0 Peak



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz

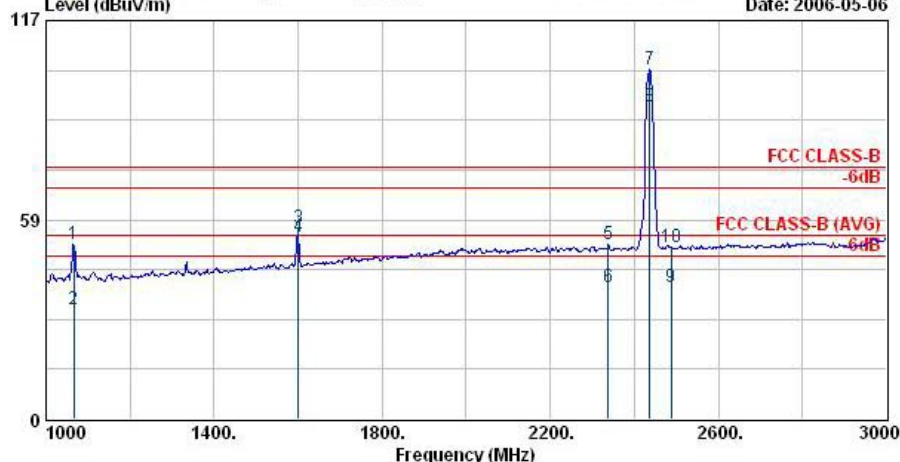
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	556.90	42.41	-3.59	46.00	48.52	18.59	4.36	29.06	100	0 Peak
2	600.30	39.30	-6.70	46.00	45.48	17.94	4.65	28.77	100	0 Peak
3 @	799.80	39.87	-6.13	46.00	41.22	21.90	5.62	28.87	100	0 Peak



FCC TEST REPORT

Report No. : FR632813-A

Data: 13 File: D:\Project\2006Q2\江 J\632813\MLAN\Part15C\11b\11b TX CH06.EMI (20) Date: 2006-05-06

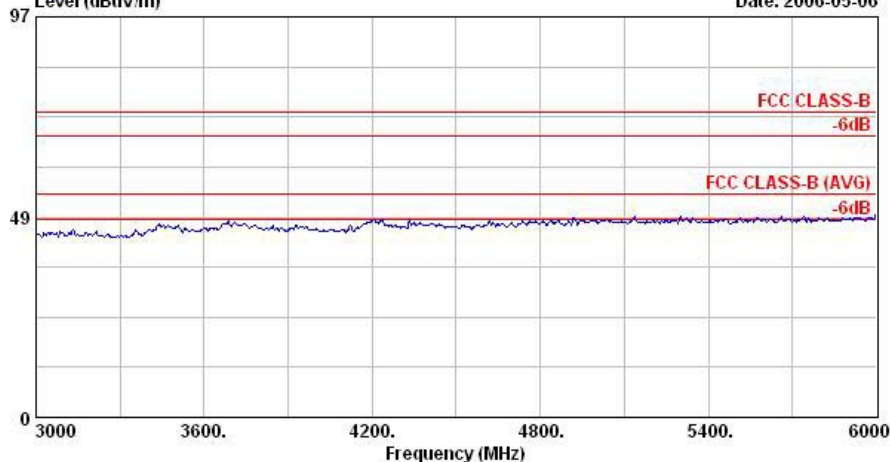


Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz

	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	dB	cm	deg	
1	1066.00	51.37	-22.63	74.00	60.56	24.46	2.82	36.46	100	0 Peak
2	1066.00	32.32	-21.68	54.00	41.51	24.46	2.82	36.46	156	166 Average
3	1600.00	56.09	-17.91	74.00	61.35	26.90	3.46	35.62	100	0 Peak
4 @	1600.00	53.71	-0.29	54.00	58.92	26.90	3.48	35.59	129	183 Average
5	2338.00	51.25	-22.75	74.00	52.25	30.24	4.17	35.40	100	0 Peak
6	2338.00	38.67	-15.33	54.00	39.67	30.24	4.17	35.40	148	17 Average
7 @	2437.00	102.49			103.39	30.27	4.29	35.47	100	0 Peak
8 @	2437.00	91.58			92.48	30.28	4.29	35.47	148	17 Average
9	2488.00	38.66	-15.34	54.00	39.51	30.30	4.36	35.51	148	17 Average
10	2488.00	50.62	-23.38	74.00	51.47	30.30	4.36	35.51	100	0 Peak

Remark: #7 and #8 Fundamental Signal

Data: 14 File: D:\Project\2006Q2\江 J\632813\MLAN\Part15C\11b\11b TX CH06.EMI (20) Date: 2006-05-06

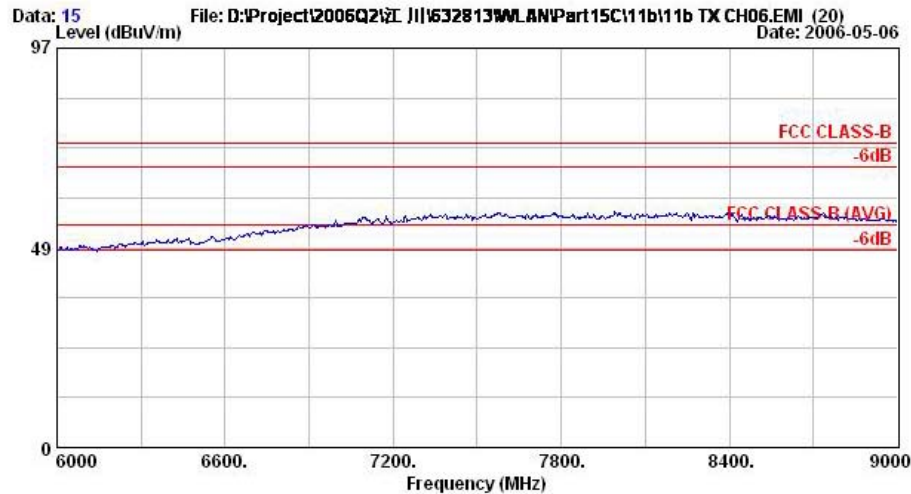


Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz



FCC TEST REPORT

Report No. : FR632813-A



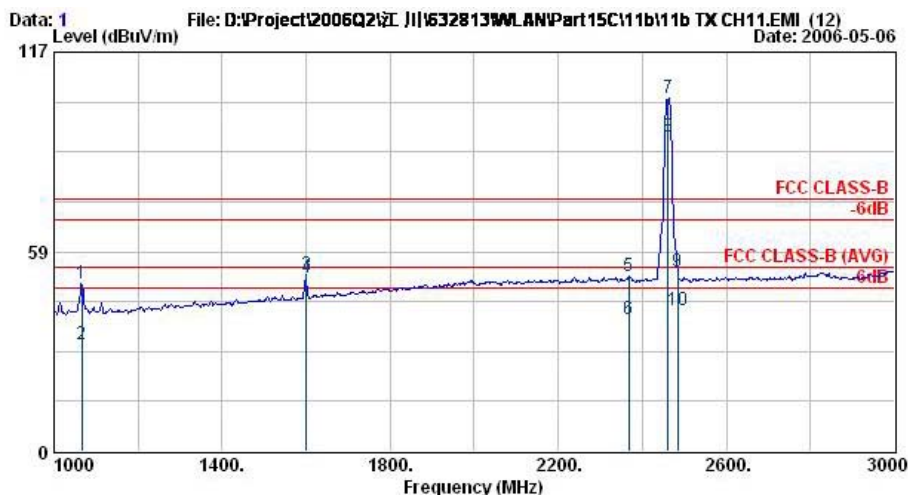
Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH06,2437MHz

Remark : Frequency from 9GHz to 25GHz, the emission emitted by the EUT is too low to be measured.



- Test Mode : Mode 3
- Polarization : Horizontal

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



Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH11;2462MHz

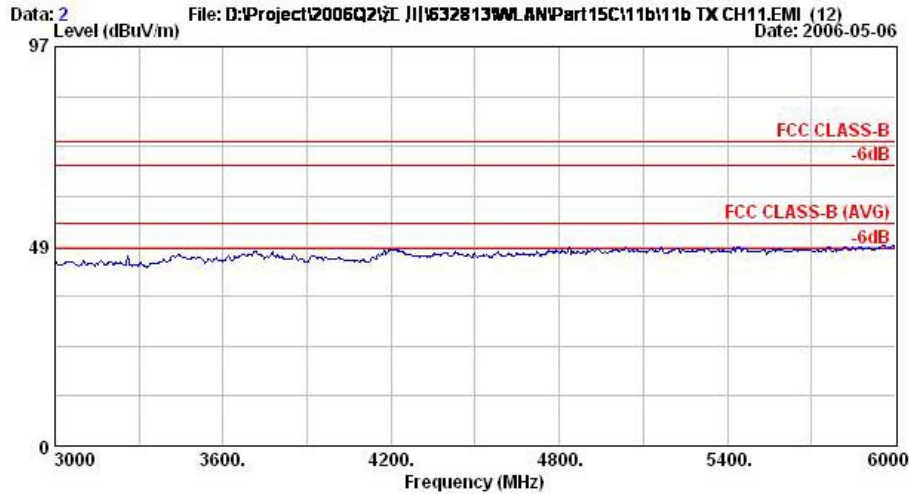
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	1066.00	49.08	-24.92	74.00	58.27	24.46	2.82	36.46	100	0 Peak
2 @	1066.00	31.46	-22.54	54.00	40.65	24.46	2.82	36.46	110	274 Average
3 @	1600.00	51.66	-22.34	74.00	56.92	26.90	3.46	35.62	100	0 Peak
4 @	1600.00	50.95	-3.05	54.00	56.16	26.90	3.48	35.59	100	147 Average
5 @	2368.00	51.13	-22.87	74.00	52.09	30.24	4.23	35.44	100	0 Peak
6 @	2368.00	38.54	-15.46	54.00	39.50	30.24	4.23	35.44	104	41 Average
7 @	2462.00	103.35			104.23	30.29	4.33	35.49	100	0 Peak
8 @	2462.00	92.20			93.08	30.29	4.33	35.49	104	41 Average
9 @	2483.50	52.46	-21.54	74.00	53.32	30.29	4.36	35.51	100	0 Peak
10 @	2483.50	41.19	-12.81	54.00	42.05	30.29	4.36	35.51	104	41 Average

Remark: #7 and #8 Fundamental Signal

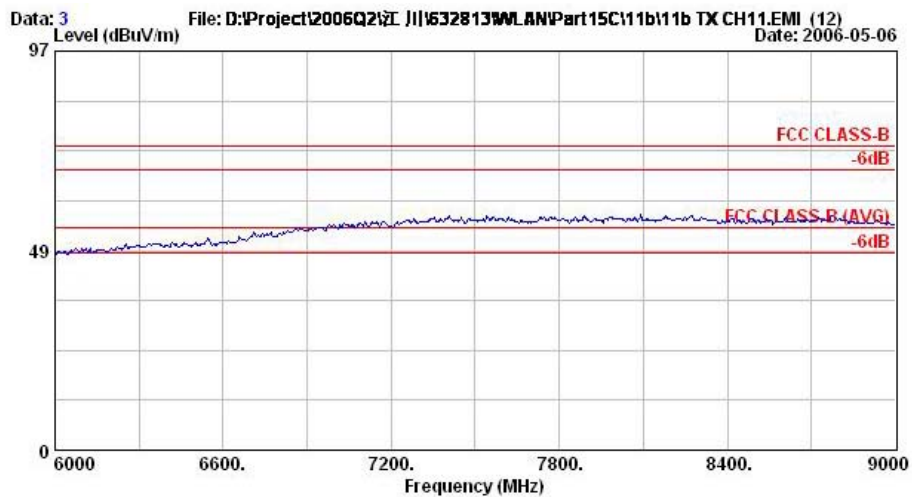


FCC TEST REPORT

Report No. : FR632813-A



Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH11,2462MHz

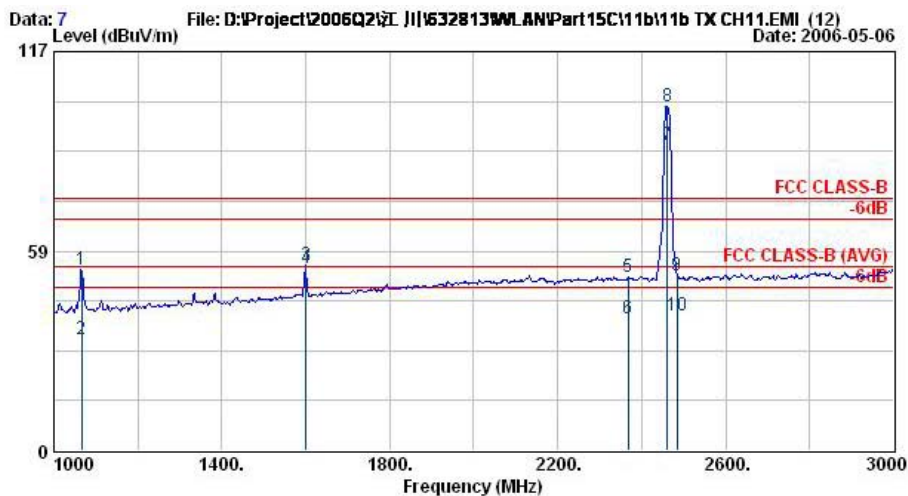


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH11,2462MHz



- Polarization : Vertical

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



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH11,2462MHz

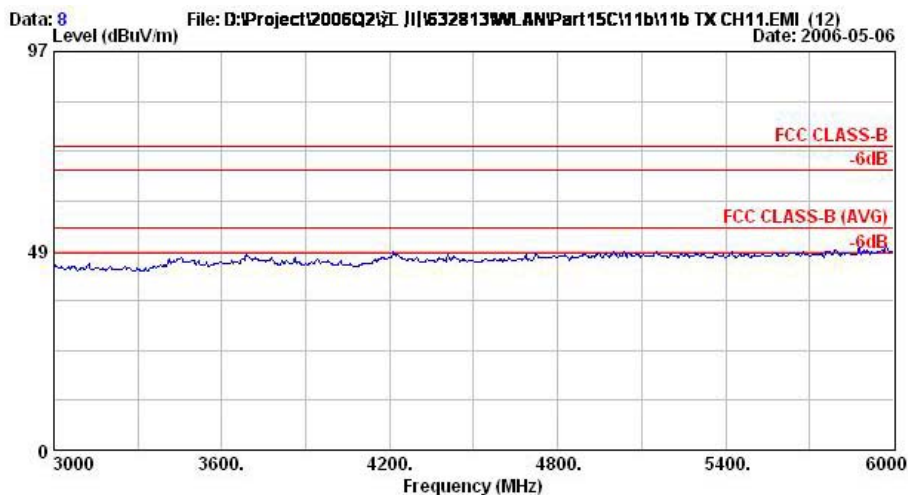
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Preamp Loss Factor	Ant Pos	Table Pos	Remark		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	1066.00	53.15	-20.85	74.00	62.34	24.46	2.82	36.46	100	360	Peak
2 @	1066.00	32.74	-21.26	54.00	41.93	24.46	2.82	36.46	112	347	Average
3 @	1600.00	54.35	-19.65	74.00	59.61	26.90	3.46	35.62	100	360	Peak
4 @	1600.00	53.69	-0.31	54.00	58.90	26.90	3.48	35.59	139	181	Average
5 @	2368.00	50.84	-23.16	74.00	51.80	30.24	4.23	35.44	100	360	Peak
6 @	2368.00	38.51	-15.49	54.00	39.47	30.24	4.23	35.44	100	21	Average
7 @	2462.00	89.42			90.30	30.29	4.33	35.49	100	21	Average
8 @	2462.00	101.00			101.88	30.29	4.33	35.49	100	360	Peak
9 @	2483.50	51.15	-22.85	74.00	52.01	30.29	4.36	35.51	100	360	Peak
10 @	2483.50	39.51	-14.49	54.00	40.37	30.29	4.36	35.51	100	21	Average

Remark: #7 and #8 Fundamental Signal

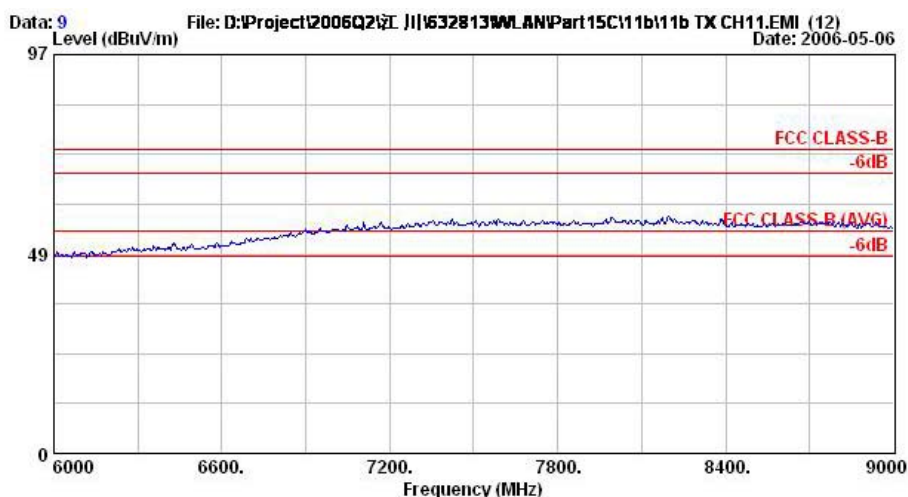


FCC TEST REPORT

Report No. : FR632813-A



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH11,2462MHz



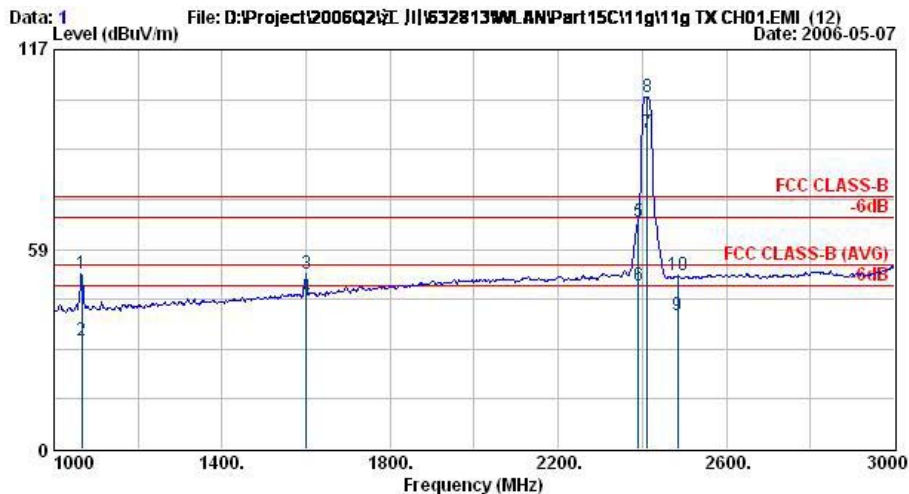
Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11b TX_CH11,2462MHz

Remark : Frequency from 9GHz to 25GHz, the emission emitted by the EUT is too low to be measured.



- Test Mode : Mode 4
- Polarization : Horizontal

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



Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH01,2412MHz

	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	1066.00	51.32	-22.68	74.00	60.51	24.46	2.82	36.46	100	0 Peak
2	1066.00	31.84	-22.16	54.00	41.03	24.46	2.82	36.46	115	273 Average
3	1600.00	51.35	-22.65	74.00	56.61	26.90	3.46	35.62	100	0 Peak
4	1600.00	44.39	-9.61	54.00	49.60	26.90	3.48	35.59	113	76 Average
5	2390.00	66.64	-7.36	74.00	67.57	30.26	4.26	35.46	100	0 Peak
6	2390.00	47.97	-6.03	54.00	48.91	30.26	4.26	35.46	100	20 Average
7 @	2412.00	92.59			93.52	30.27	4.26	35.46	100	20 Average
8 X	2412.00	103.27			104.20	30.27	4.26	35.46	100	0 Peak
9	2484.00	39.05	-14.95	54.00	39.91	30.29	4.36	35.51	100	20 Average
10	2484.00	50.76	-23.24	74.00	51.61	30.29	4.36	35.51	100	0 Peak

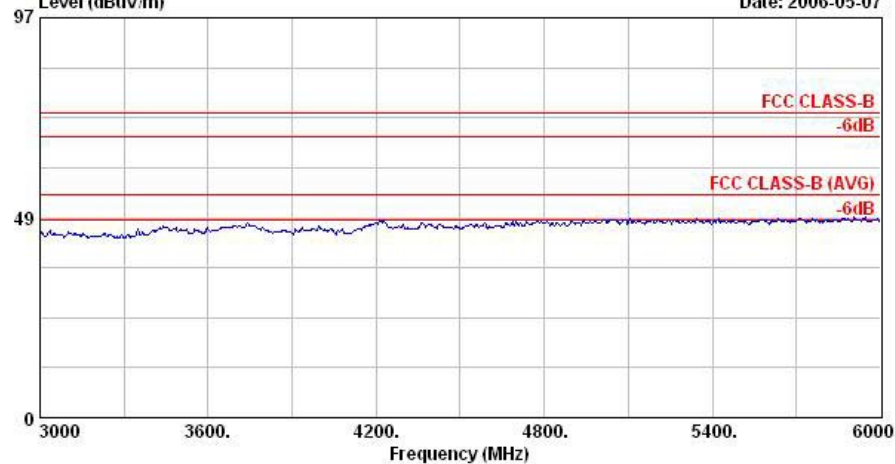
Remark: #7 and #8 Fundamental Signal



FCC TEST REPORT

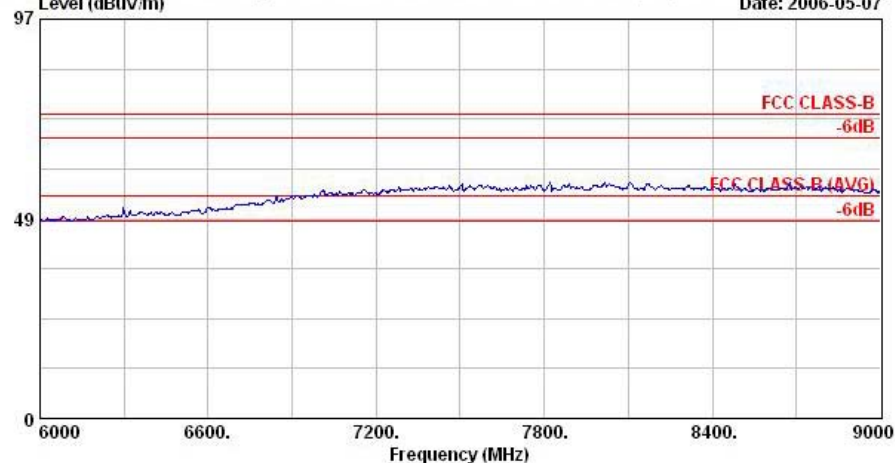
Report No. : FR632813-A

Data: 2 File: D:\Project\2006Q2\江 川\632813\WLAN\Part15C\11g\11g TX CH01.EMI (12)
Level (dBuV/m) Date: 2006-05-07



Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH01,2412MHz

Data: 3 File: D:\Project\2006Q2\江 川\632813\WLAN\Part15C\11g\11g TX CH01.EMI (12)
Level (dBuV/m) Date: 2006-05-07

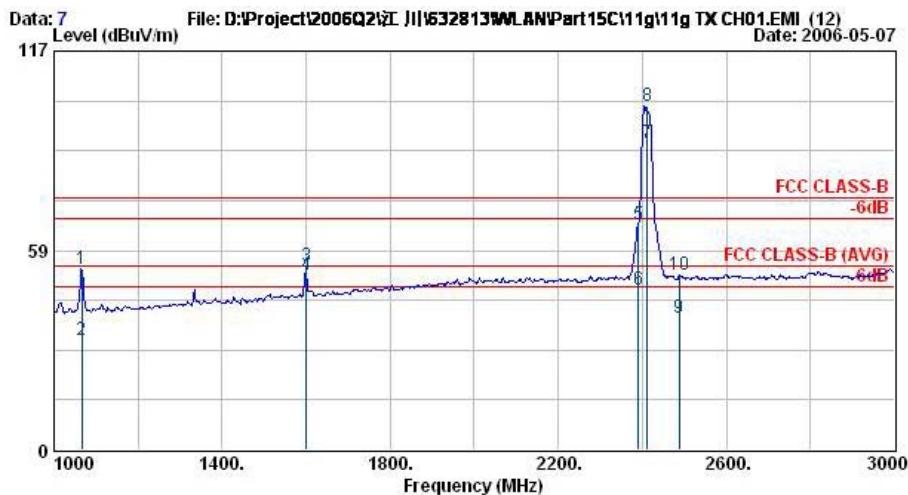


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH01,2412MHz



- Polarization : Vertical

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



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH01,2412MHz

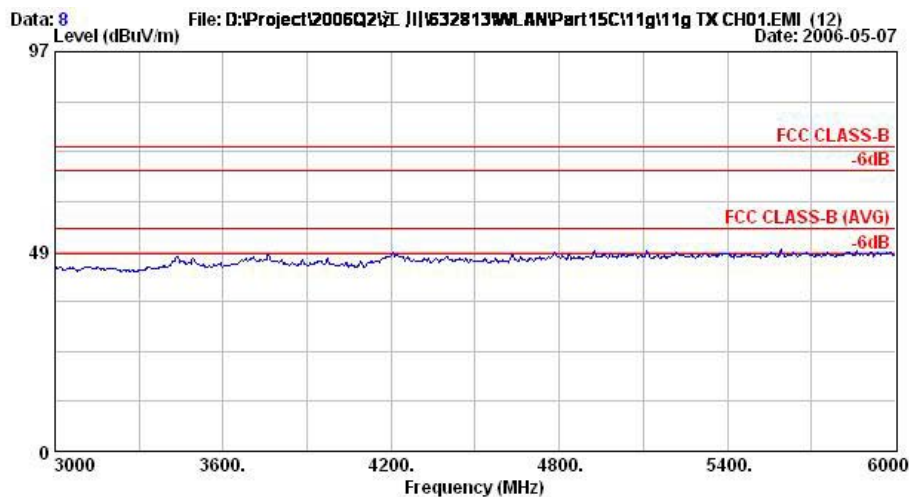
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1066.00	52.93	-21.07	74.00	62.11	24.46	2.82	36.46	100	360	Peak
2	1066.00	32.32	-21.68	54.00	41.51	24.46	2.82	36.46	125	346	Average
3	1600.00	53.72	-20.28	74.00	58.98	26.90	3.46	35.62	100	360	Peak
4	1600.00	51.24	-2.76	54.00	56.45	26.90	3.48	35.59	100	168	Average
5	2390.00	66.05	-7.95	74.00	66.98	30.26	4.26	35.46	100	360	Peak
6	2390.00	47.16	-6.84	54.00	48.10	30.26	4.26	35.46	157	28	Average
7 X	2412.00	89.94			90.87	30.27	4.26	35.46	157	28	Average
8 X	2412.00	101.09			102.02	30.27	4.26	35.46	100	360	Peak
9	2488.00	38.81	-15.19	54.00	39.66	30.30	4.36	35.51	157	28	Average
10	2488.00	51.33	-22.67	74.00	52.18	30.30	4.36	35.51	100	360	Peak

Remark: #7 and #8 Fundamental Signal

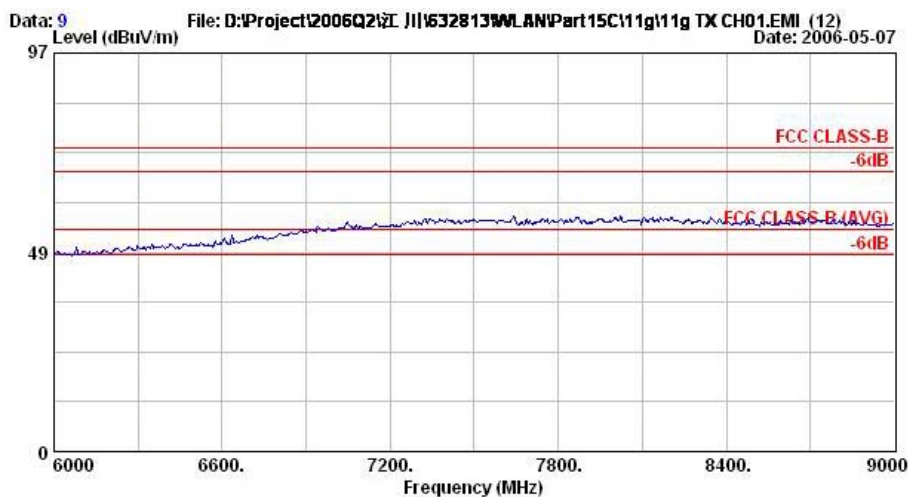


FCC TEST REPORT

Report No. : FR632813-A



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH01,2412MHz



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single
: core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH01,2412MHz

Remark : Frequency from 9GHz to 25GHz, the emission emitted by the EUT is too low to be measured.



- Test Mode : Mode 5
- Polarization : Horizontal

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

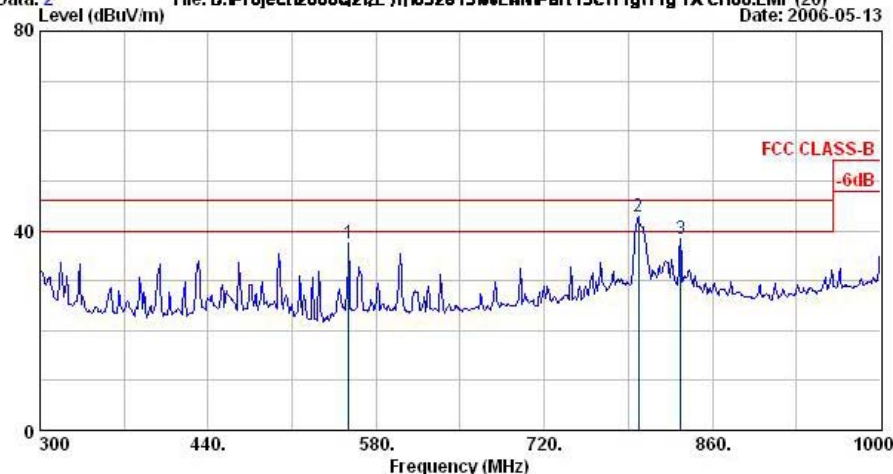
Data: 1 File: D:\Project\2006Q2\H J\1632813\WLAN\Part15C\11g\11g TX CH06.EMI (20) Date: 2006-05-13



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06;2437MHz

	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	199.83	33.69	-9.81	43.50	49.92	9.93	2.52	28.68	400	0 Peak
2 @	238.44	38.81	-7.19	46.00	54.08	10.87	2.79	28.93	400	0 Peak
3	266.79	37.47	-8.53	46.00	50.66	12.91	2.85	28.95	400	0 Peak

Data: 2 File: D:\Project\2006Q2\H J\1632813\WLAN\Part15C\11g\11g TX CH06.EMI (20) Date: 2006-05-13



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06;2437MHz

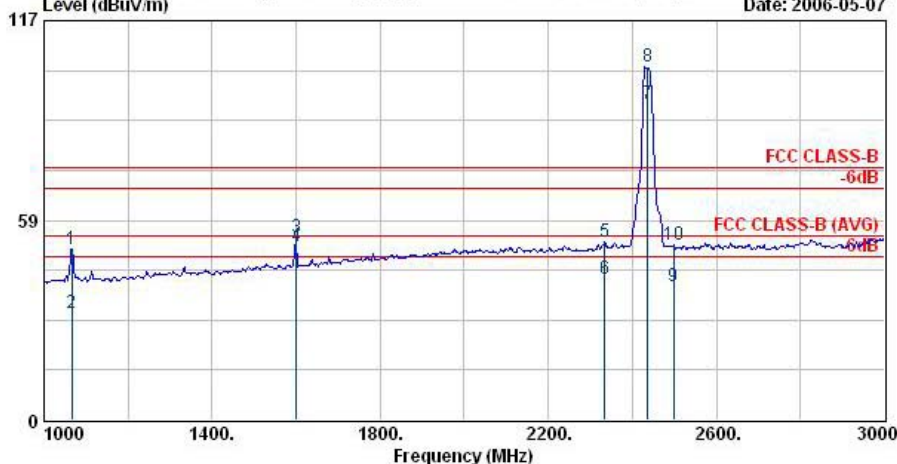
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	556.90	37.57	-8.43	46.00	43.68	18.59	4.36	29.06	100	0 Peak
2 @	798.40	42.72	-3.28	46.00	44.15	21.84	5.60	28.87	154	221 Peak
3	833.40	38.33	-7.67	46.00	40.54	21.25	5.59	29.05	100	0 Peak



FCC TEST REPORT

Report No. : FR632813-A

Data: 3 File: D:\Project\2006Q2\江川\632813\WLAN\Part15C\11g\11g TX CH06.EMI (20) Date: 2006-05-07
Level (dBuV/m)

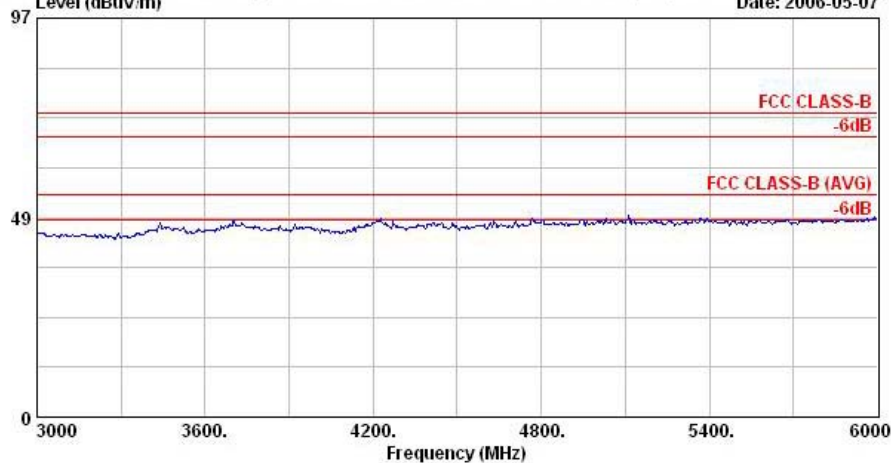


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06,2437MHz

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	1066.00	50.15	-23.85	74.00	59.34	24.46	2.82	36.46	100	0	Peak
2	1066.00	31.43	-22.57	54.00	40.62	24.46	2.82	36.46	100	40	Average
3	1600.00	53.49	-20.51	74.00	58.75	26.90	3.46	35.62	100	0	Peak
4 @	1600.00	50.73	-3.27	54.00	55.94	26.90	3.48	35.59	100	322	Average
5	2334.00	52.40	-21.60	74.00	53.41	30.23	4.17	35.40	100	0	Peak
6	2334.00	41.39	-12.61	54.00	42.39	30.23	4.17	35.40	100	21	Average
7 @	2437.00	92.68			93.58	30.28	4.29	35.47	100	21	Average
8 @	2437.00	103.42			104.33	30.27	4.29	35.47	100	0	Peak
9	2498.00	38.99	-15.01	54.00	39.83	30.30	4.39	35.53	100	21	Average
10	2498.00	51.31	-22.69	74.00	52.15	30.30	4.39	35.53	100	0	Peak

Remark: #7 and #8 Fundamental Signal

Data: 4 File: D:\Project\2006Q2\江川\632813\WLAN\Part15C\11g\11g TX CH06.EMI (20) Date: 2006-05-07
Level (dBuV/m)

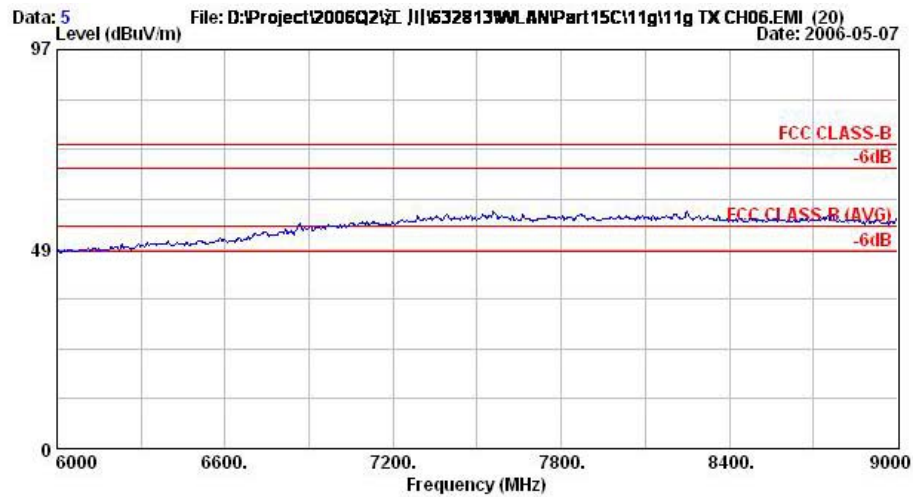


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06,2437MHz



FCC TEST REPORT

Report No. : FR632813-A

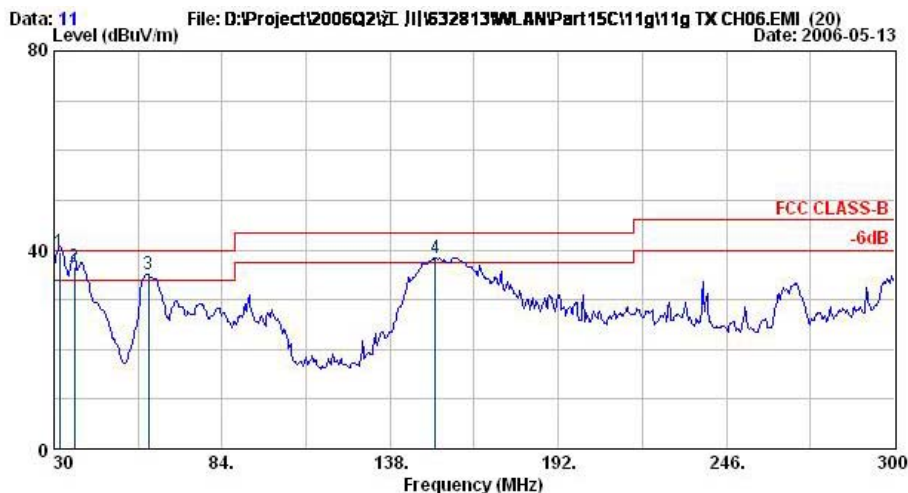


Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06_2437MHz



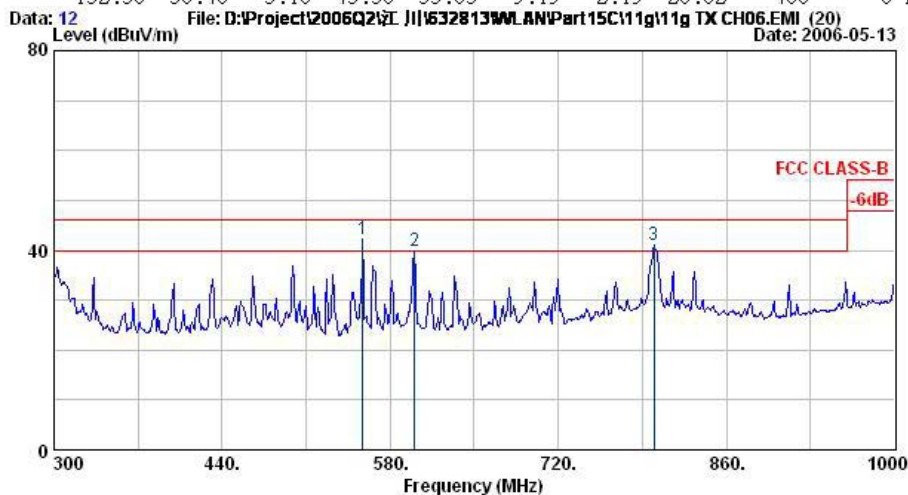
- Polarization : Vertical

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



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06,2437MHz

	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 @	31.89	39.51	-0.49	40.00	49.10	18.07	0.97	28.63	100	360 QP
2 @	36.48	36.68	-3.32	40.00	48.00	16.17	1.16	28.65	100	0 QP
3 @	60.24	35.22	-4.78	40.00	56.08	6.57	1.22	28.65	400	0 Peak
4 @	152.58	38.40	-5.10	43.50	55.83	9.19	2.19	28.82	400	0 Peak



Site : 03CH06-HY
Condition : BI-LOG-2004-1122 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06,2437MHz

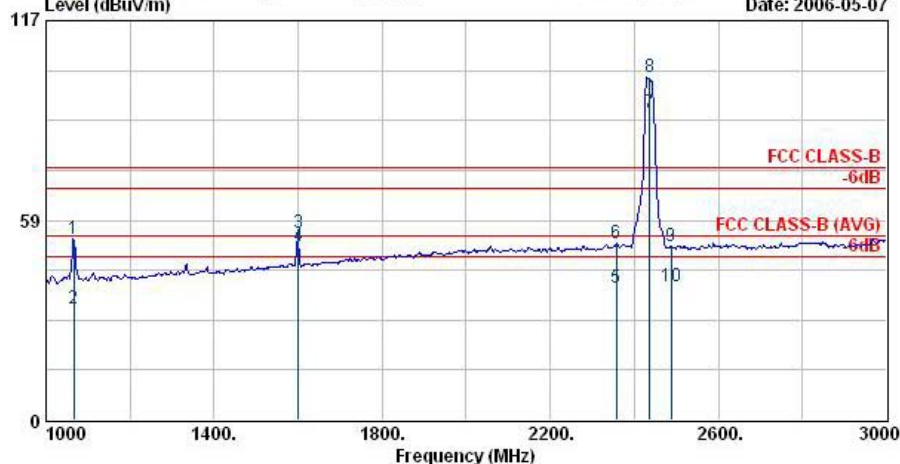
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	556.90	42.15	-3.85	46.00	48.26	18.59	4.36	29.06	100	0 Peak
2 @	600.30	39.75	-6.25	46.00	45.93	17.94	4.65	28.77	100	0 Peak
3 @	799.80	40.90	-5.10	46.00	42.25	21.90	5.62	28.87	100	0 Peak



FCC TEST REPORT

Report No. : FR632813-A

Data: 13 File: D:\Project\2006Q2\ZJ\J\632813\MLAN\Part15C\11g\11g TX CH06.EMI (20) Date: 2006-05-07

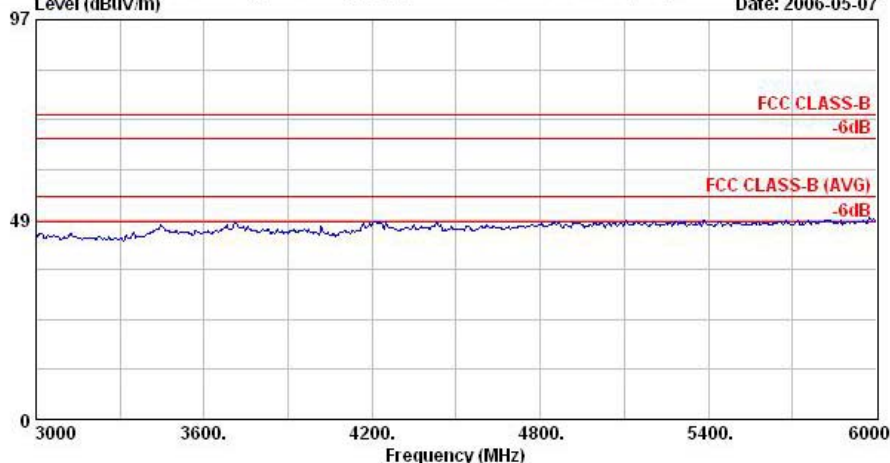


Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06,2437MHz

	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	1066.00	53.04	-20.96	74.00	62.23	24.46	2.82	36.46	100	360	Peak
2	1066.00	32.72	-21.28	54.00	41.91	24.46	2.82	36.46	170	173	Average
3	1600.00	54.63	-19.37	74.00	59.89	26.90	3.46	35.62	100	360	Peak
4 @	1600.00	50.98	-3.02	54.00	56.19	26.90	3.48	35.59	131	188	Average
5	2358.00	38.80	-15.20	54.00	39.78	30.24	4.20	35.42	147	17	Average
6	2358.00	51.70	-22.30	74.00	52.68	30.24	4.20	35.42	100	360	Peak
7 @	2437.00	89.84			90.74	30.28	4.29	35.47	147	17	Average
8 @	2437.00	100.39			101.30	30.27	4.29	35.47	100	360	Peak
9	2488.00	50.67	-23.33	74.00	51.53	30.30	4.36	35.51	100	360	Peak
10	2488.00	38.95	-15.05	54.00	39.80	30.30	4.36	35.51	147	17	Average

Remark: #7 and #8 Fundamental Signal

Data: 14 File: D:\Project\2006Q2\ZJ\J\632813\MLAN\Part15C\11g\11g TX CH06.EMI (20) Date: 2006-05-07



Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : VM(CPU type:ULV/dual core, LV/single core)
Power : 120Vac/60Hz
Model : FR 632813
Memo : 11g TX_CH06,2437MHz