



FCC TEST REPORT

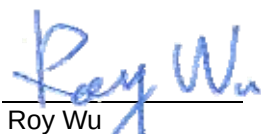
for

47 CFR Part 15 Subpart C

Equipment : PDA Phone
Trade Name : Opticon
Model No. : H-16A, H-16B
FCC ID : DGIBC0129AAA190
Filing Type : Certification
Applicant : Inventec Corporation

Inventec Building, 66 Hou-Kang Street, Shih-Lin District,
Taipei 11170, Taiwan

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- The data shown in this test report were carried out on Dec. 13, 2006 at **Sporton International Inc. LAB.**
- Report No.: FR6N2811, Report Version: Rev. 01


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Report Version: Rev. 01



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History of this test report

Report Issue Date: Dec. 15, 2006

Report No.	Description



1. General Description of Equipment under Test

1.1 Applicant

Inventec Corporation

Inventec Building, 66 Hou-Kang Street, Shih-Lin District, Taipei 11170, Taiwan

1.2 Manufacturer

Inventec Corporation

Inventec Building, 66 Hou-Kang Street, Shih-Lin District, Taipei 11170, Taiwan

1.3 Basic Description of Equipment under Test

Equipment	: PDA Phone
Trade Name	: Opticon
Model No.	: H-16A, H-16B
FCC ID	: DGIBC0129AAA190
Power Supply Type	: Switching, From Battery 4.2V
AC Power Cord	: AC 120V, Wall-mount, 1.6 m, 2 pin
Adapter	: PI Electronics, AD7112B 03LF
Battery	: OPTICON, H-16
Earphone	: TECHWIN Communication Co. Ltd., EE-624A-8EN
Scanner 1	: MDI-1000/OPTOELECTRONICS
Scanner 2	: MDL-2000/OPTOELECTRONICS

1.4 Feature of Equipment under Test

Product Feature & Specification	
1. DUT Type	PDA Phone
2. Trade Name	Opticon
3. Model Name	H-16A, H-16B
4. FCC ID	DGIBC0129AAA190
5. Tx Frequency	GSM850 : 824 ~ 849 MHz PCS1900 : 1850 ~1910 MHz Bluetooth : 2400~2483.5 MHz WLAN : 2400 ~ 2483.5 MHz
6. Rx Frequency	GSM850 : 869 ~ 894 MHz PCS1900 : 1930 ~ 1990 MHz Bluetooth : 2400~2483.5 MHz WLAN : 2400 ~ 2483.5 MHz
7. Number of Channels	Bluetooth : 79 WLAN : 11
8. Carrier Frequency of Each Channel	Bluetooth : 2402+n*1 MHz; n=0~78 WLAN : 2412+(n-1)*5 MHz; n=1~11
9. Antenna Connector	N/A
10. Antenna Type	GSM850 : Fixed Internal PCS1900 : Fixed Internal Bluetooth : Chip Antenna 802.11b / 802.11g : PIFA Antenna
11. Antenna Gain	Bluetooth : 0 dBi 802.11b / 802.11g : 0 dBi
12. HW Version	1.0
13. SW Version	1.0
14. Maximum Output Power	Bluetooth : -2.21 dBm 802.11b : 14.60 dBm 802.11g : 15.30 dBm
15. Type of Modulation	GSM850 / PCS1900 : GMSK Bluetooth : GFSK 802.11b / 802.11g : DSSS / OFDM
16. DUT Stage	Identical Prototype
17. Application Type	Certification

2 Test Configuration of Equipment under Test

2.1 Test Manner

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

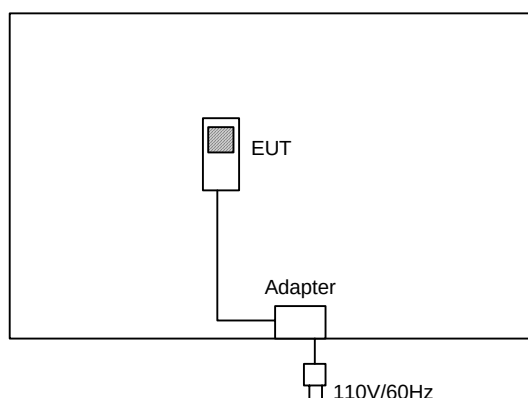
2.2 Test Mode

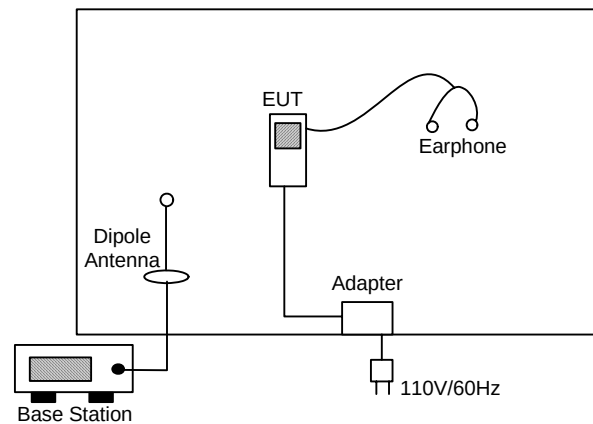
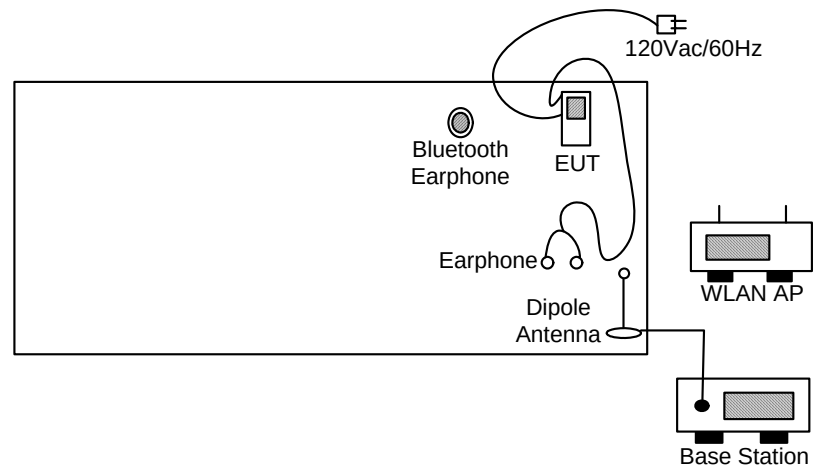
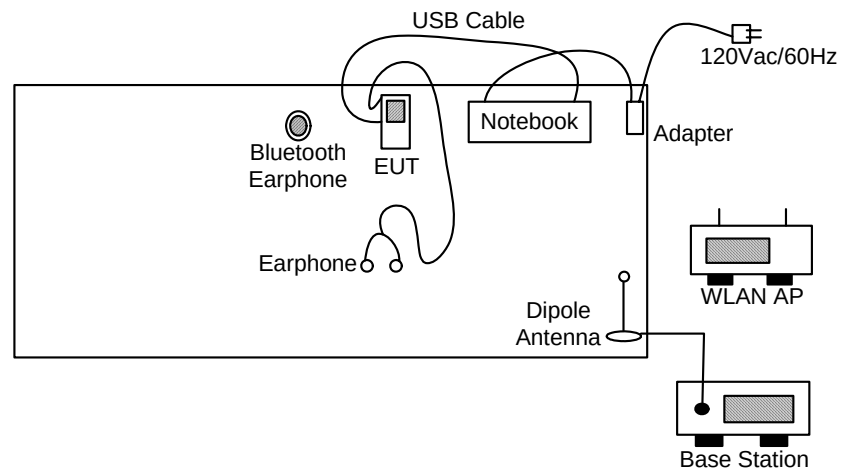
Application			
	802.11b	802.11g	BT
Radiated Emission	Mode 1: Tx_CH01_2412 MHz	Mode 4: Tx_CH01_2412 MHz	Mode 7: Tx_CH00_2402 MHz
	Mode 2: Tx_CH06_2437 MHz	Mode 5: Tx_CH06_2437 MHz	Mode 8: Tx_CH39_2441 MHz
	Mode 3: Tx_CH11_2462 MHz	Mode 6: Tx_CH11_2462 MHz	Mode 9: Tx_CH78_2480 MHz
Conducted Emission	Mode 1: PCS1900 Idle Mode + BT Idle + WLAN Idle + Earphone + Adapter + Scanner 1 + MPEG 4		
	Mode 2: PCS1900 Idle Mode + BT Idle + WLAN Idle + Earphone + Adapter + Scanner 2 + MPEG 4		
	Mode 3: PCS1900 Idle Mode + BT Idle + WLAN Idle + Earphone + USB Link + MPEG 4 +Scanner 2		

2.3 Connection Diagram of Test System

<Radiated Emission>

Mode 1-6



Mode 7-9

<Conducted Emission>
Mode 1 and 2

Mode 3


**2.4 Ancillary Equipment List**

Item	Asset	Model Name	Power Cord
1.	Base Station (R&S)	CMU 200	N/A
2.	WLAN AP (SMC)	SMC-100	N/A
3.	Bluetooth Earphone(Free Style)	JD-100	N/A
4.	USB Cable	N/A	Weave-shielded, 1m



3. RF Utility

The executive programs, "EMCTest.exe" and "Activesync.exe", under WINXP installed in notebook link data which generate a complete line continuously repeating "H" pattern were used as the test software.

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



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, TH02-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. Conducted Emission : from 150 KHz to 30 MHz
- b. Radiated Emission : from 30 MHz to 25000 MHz

4.5 Test Distance

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



5. Test Data and Test Result

5.1 List of Measurements and Examinations

The Emission Mode: Wireless LAN

FCC Rule	Description of Test	Result
15.207	Conducted Emission	Pass
15.247(a)(2)	6dB 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
15.247(a) (1)	Hopping Channel Bandwidth	Pass
15.247(a)(1)	Hopping Channel Separation	Pass
15.247(a)(1)(iii)	Number of Hopping Frequency Used	Pass
15.247(a)(1)(iii)	Dwell Time of Each Frequency	Pass
15.247(b)	Output Power	Pass
15.247(c)	100kHz Bandwidth of Frequency Band Edges	Pass
15.209(a)	Radiated Emission	Pass
15.203 15.247(b)(4)	Antenna Requirement	Pass

5.2 6dB Bandwidth Measurement

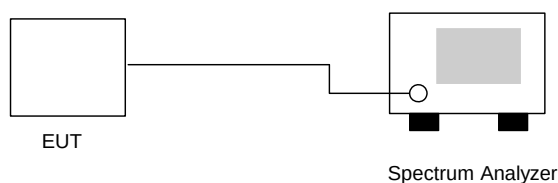
5.2.1 Measuring Instruments :

As described in chapter 6 of this test report.

5.2.2 Test Procedure :

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

5.2.3 Test Setup Layout :



5.2.4 Test Result :

- Application Type : WLAN 802.11b/g
- Temperature : 25°C
- Relative Humidity : 53%
- Test Enginner : James

802.11b

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	9.48	> 0.5MHz	Mode 1
06	2437	9.48	> 0.5MHz	Mode 2
11	2462	9.48	> 0.5MHz	Mode 3

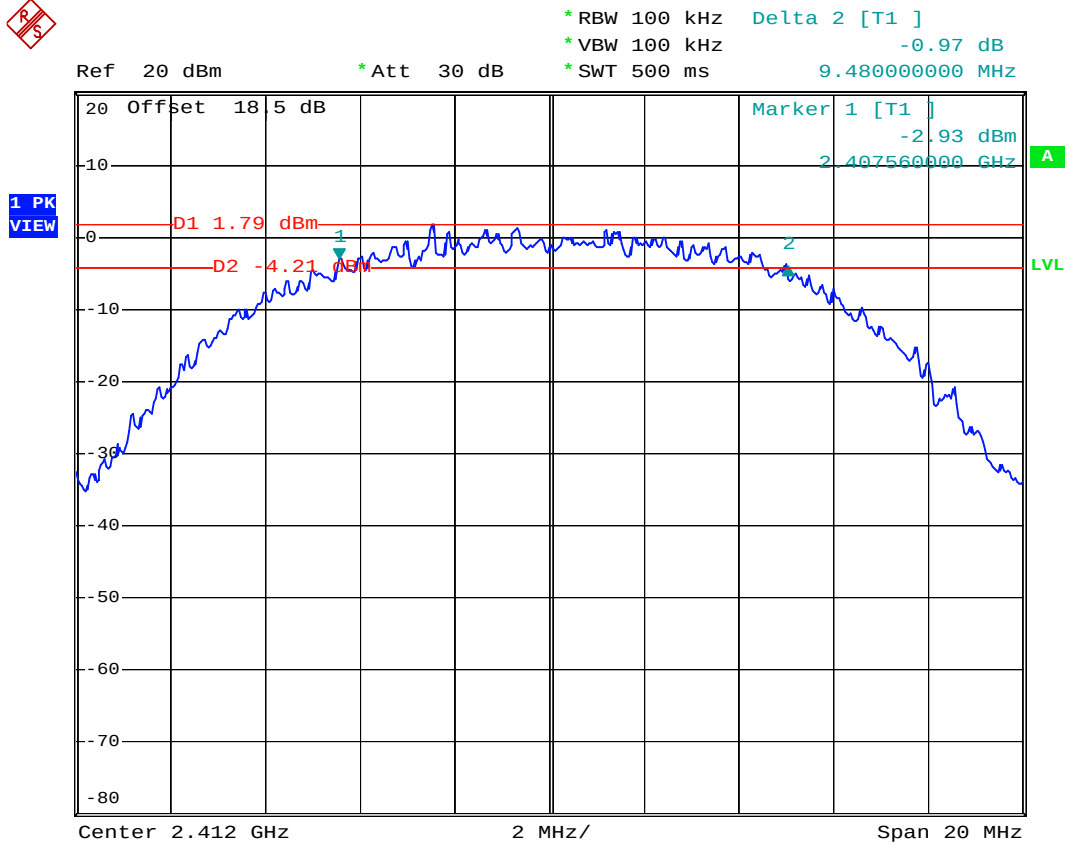
802.11g

Channel	Frequency (MHz)	6dB Emission bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
01	2412	16.56	> 0.5MHz	Mode 4
06	2437	16.56	> 0.5MHz	Mode 5
11	2462	16.56	> 0.5MHz	Mode 6



5.2.5 6dB Bandwidth

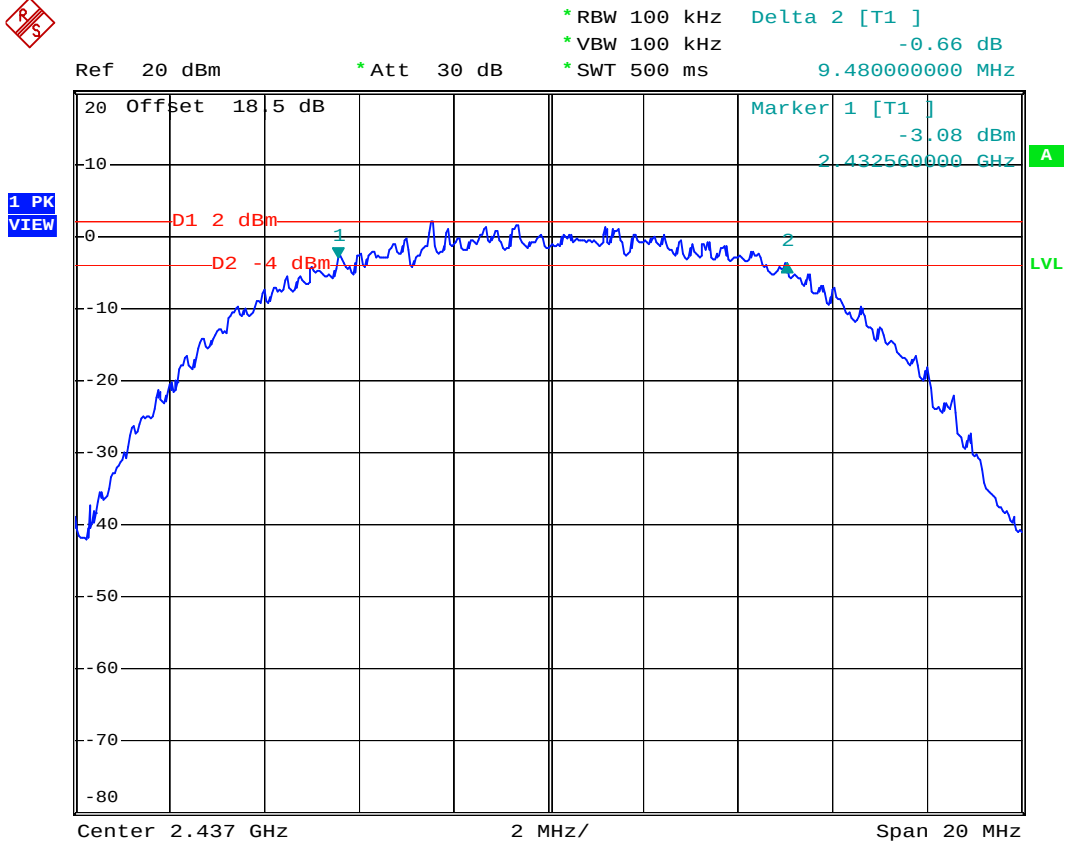
Mode 1



Date: 11.DEC.2006 20:47:04



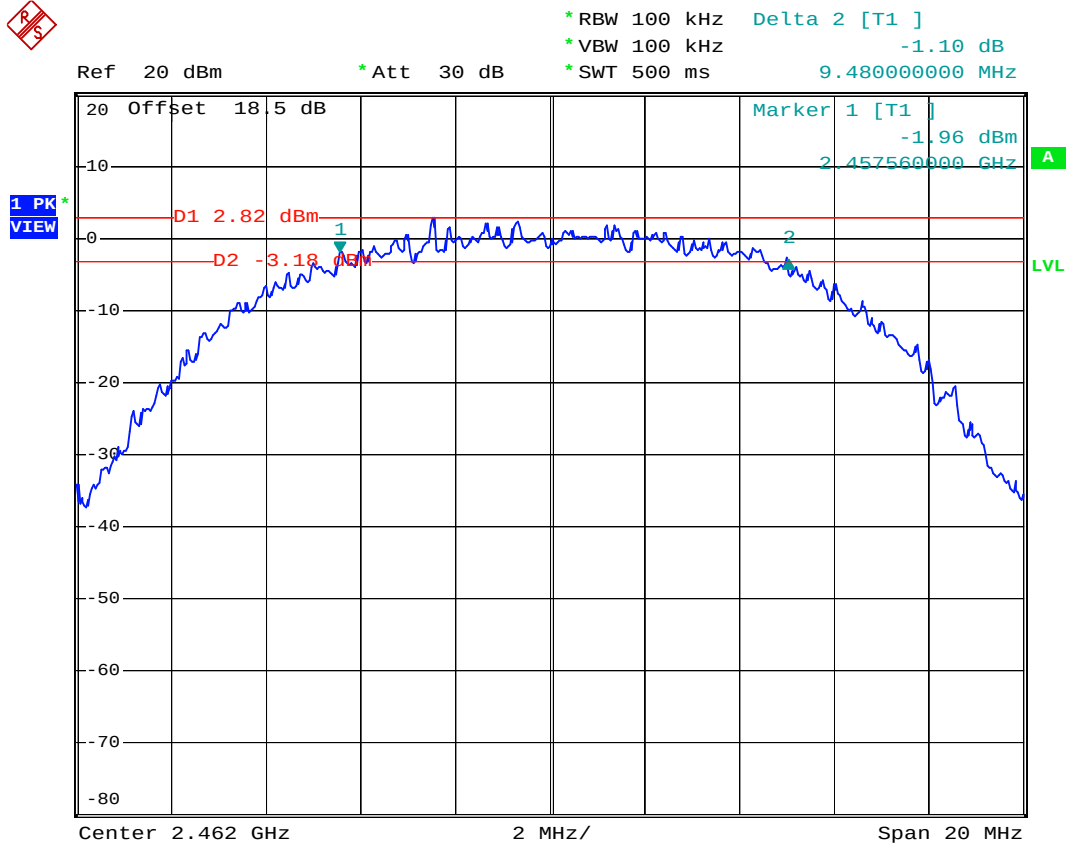
Mode 2



Date: 11.DEC.2006 21:04:58



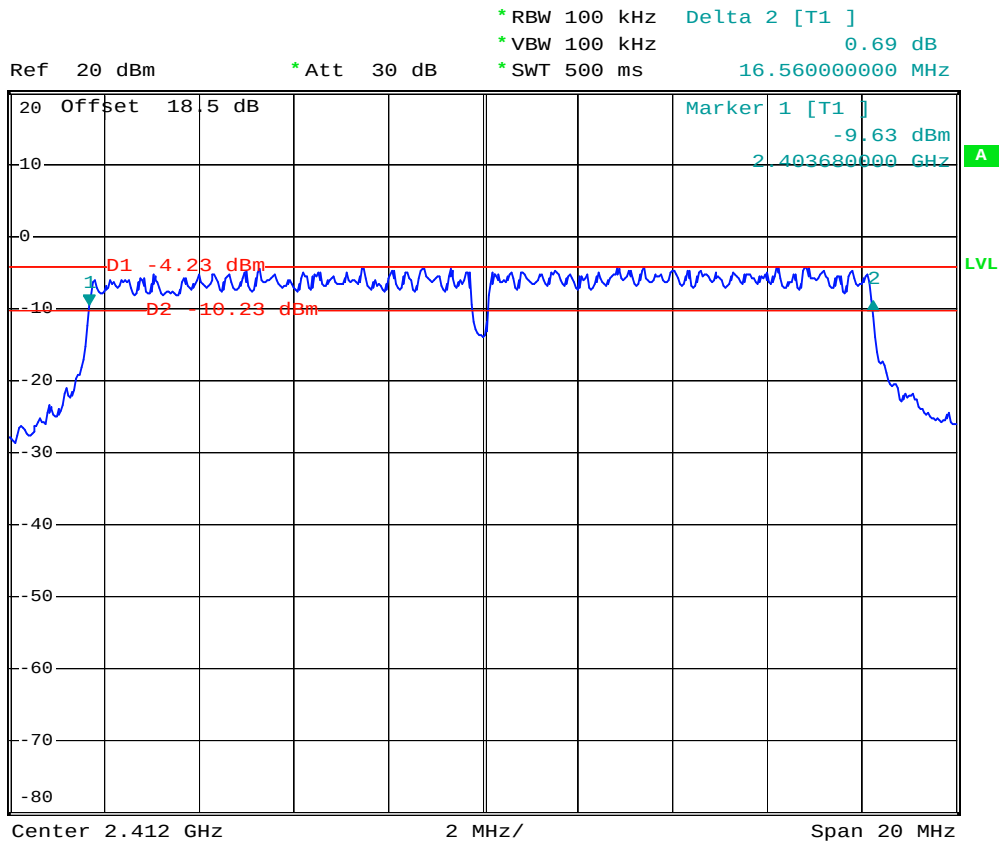
Mode 3



Date: 11.DEC.2006 21:05:57



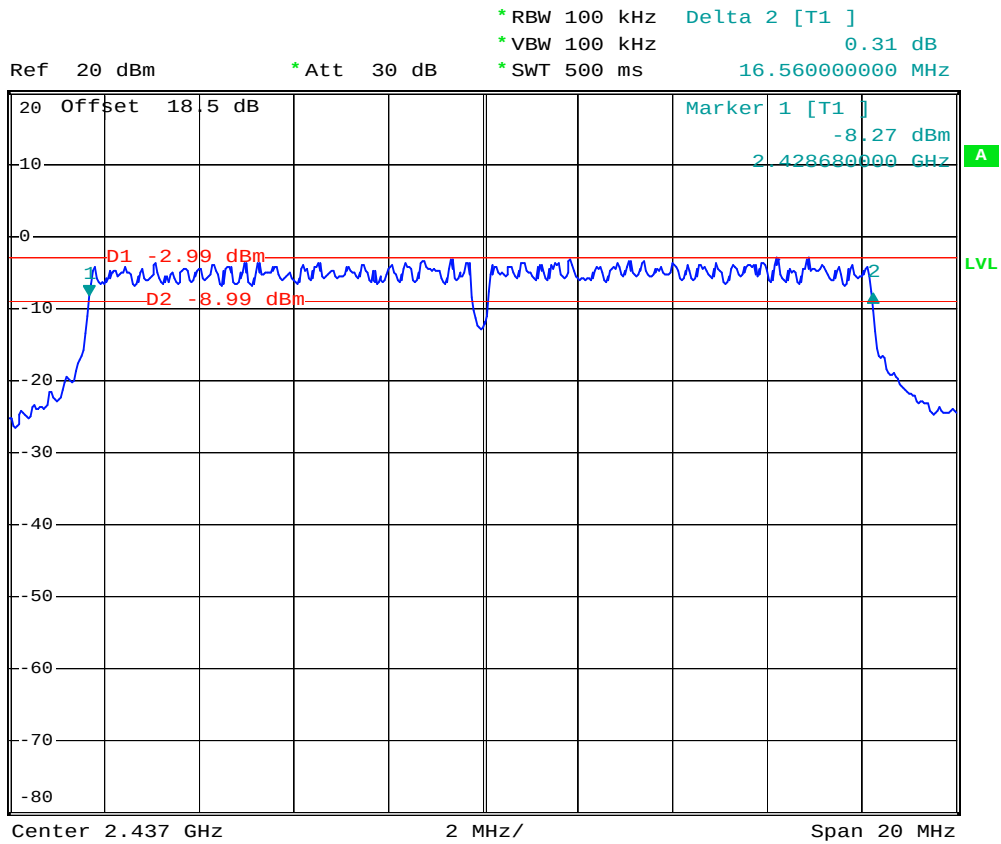
Mode 4



Date: 11.DEC.2006 21:18:44



Mode 5



Date: 11.DEC.2006 21:19:42

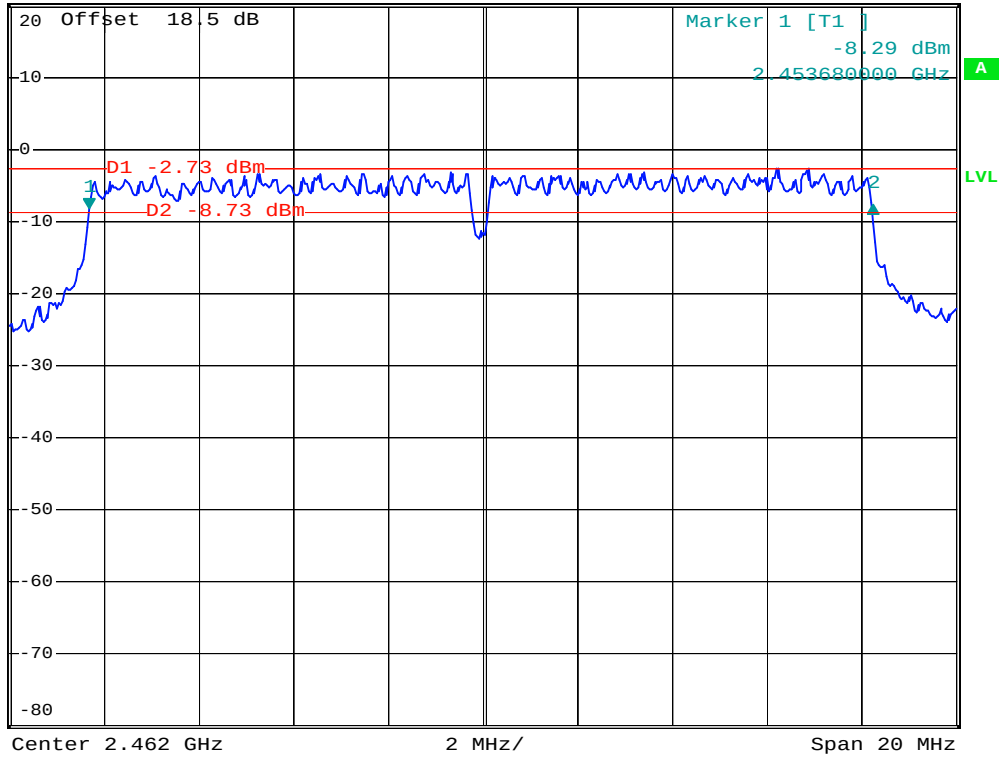


Mode 6



Ref 20 dBm * Att 30 dB * RBW 100 kHz Delta 2 [T1]
* VBW 100 kHz 0.50 dB
* SWT 500 ms 16.560000000 MHz

1 PK
VIEW



Date: 11.DEC.2006 21:20:36

5.3 Power Spectral Density Measurement

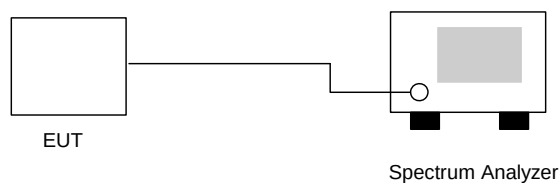
5.3.1 Measuring Instruments :

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 : 25°C
- Relative Humidity : 53%
- Test Enginner : James

802.11b

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-14.03	8	Mode 1
06	2437	-15.24	8	Mode 2
11	2462	-15.39	8	Mode 3

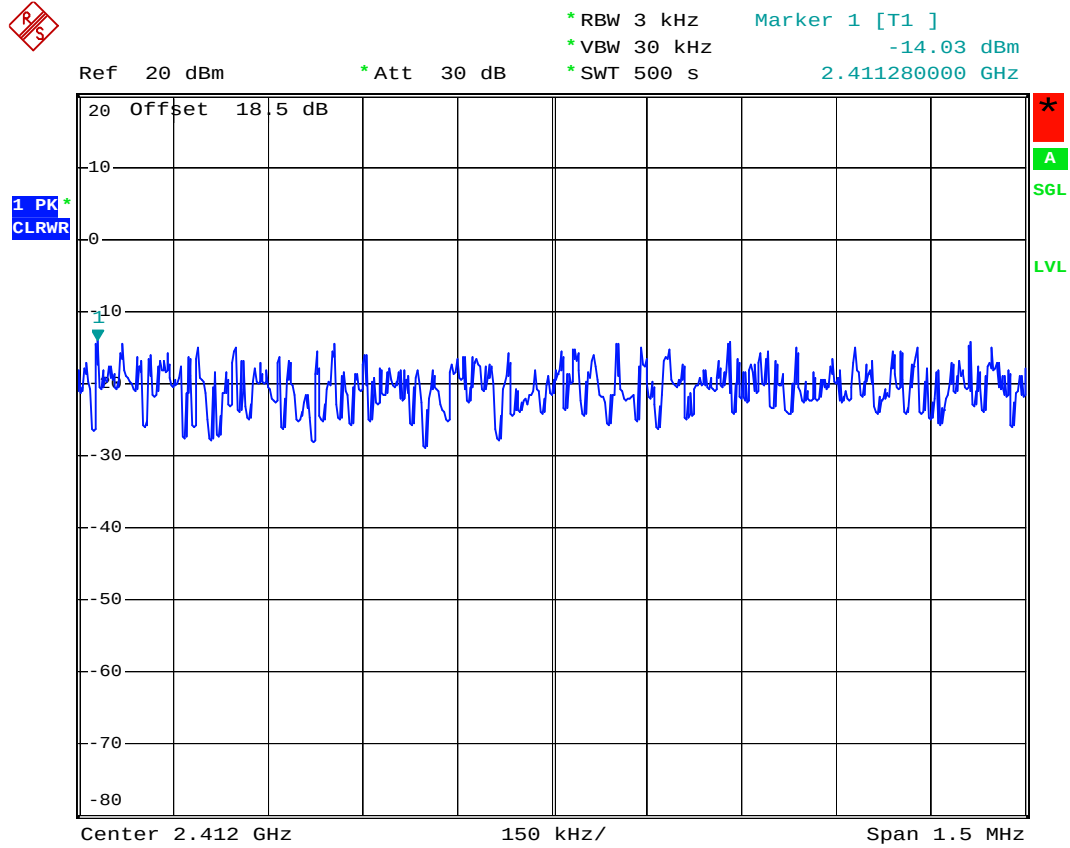
802.11g

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Limits (dBm)	Plot Ref. No.
01	2412	-19.94	8	Mode 4
06	2437	-18.93	8	Mode 5
11	2462	-18.26	8	Mode 6



5.3.5 Power Spectral Density

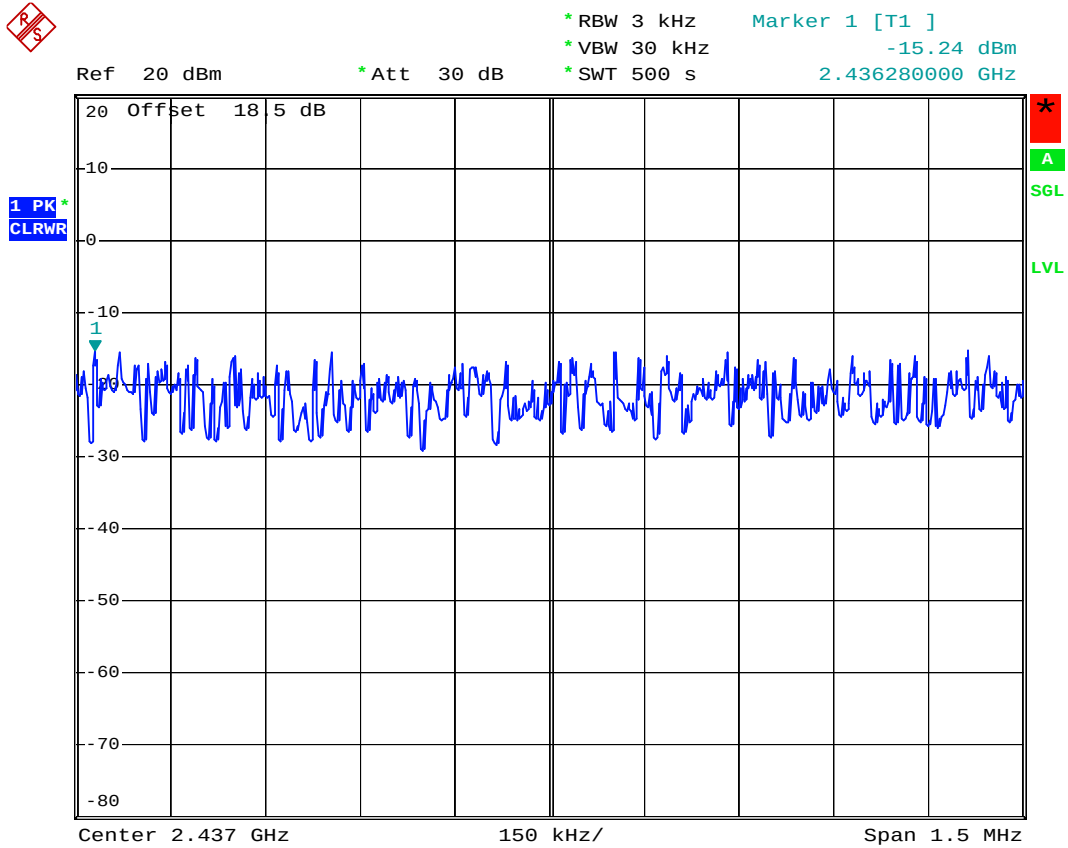
Mode 1



Date: 13.DEC.2006 11:22:39



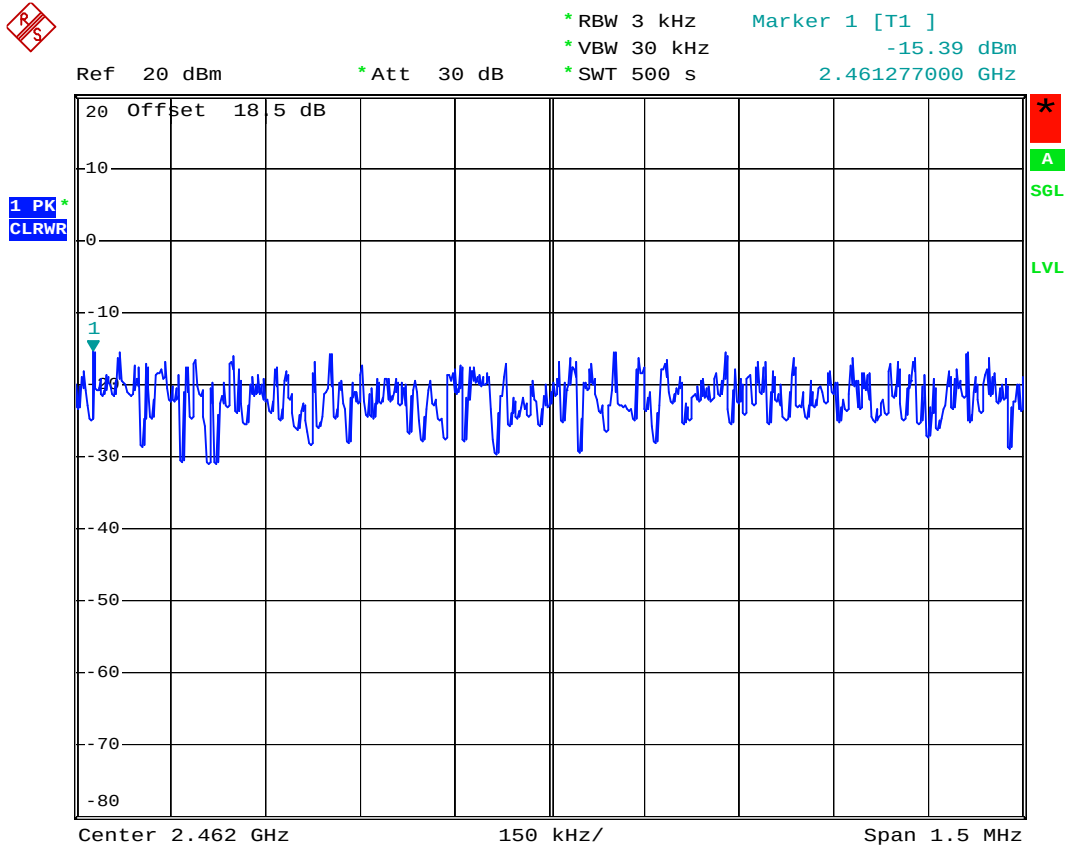
Mode 2



Date: 13.DEC.2006 11:23:07

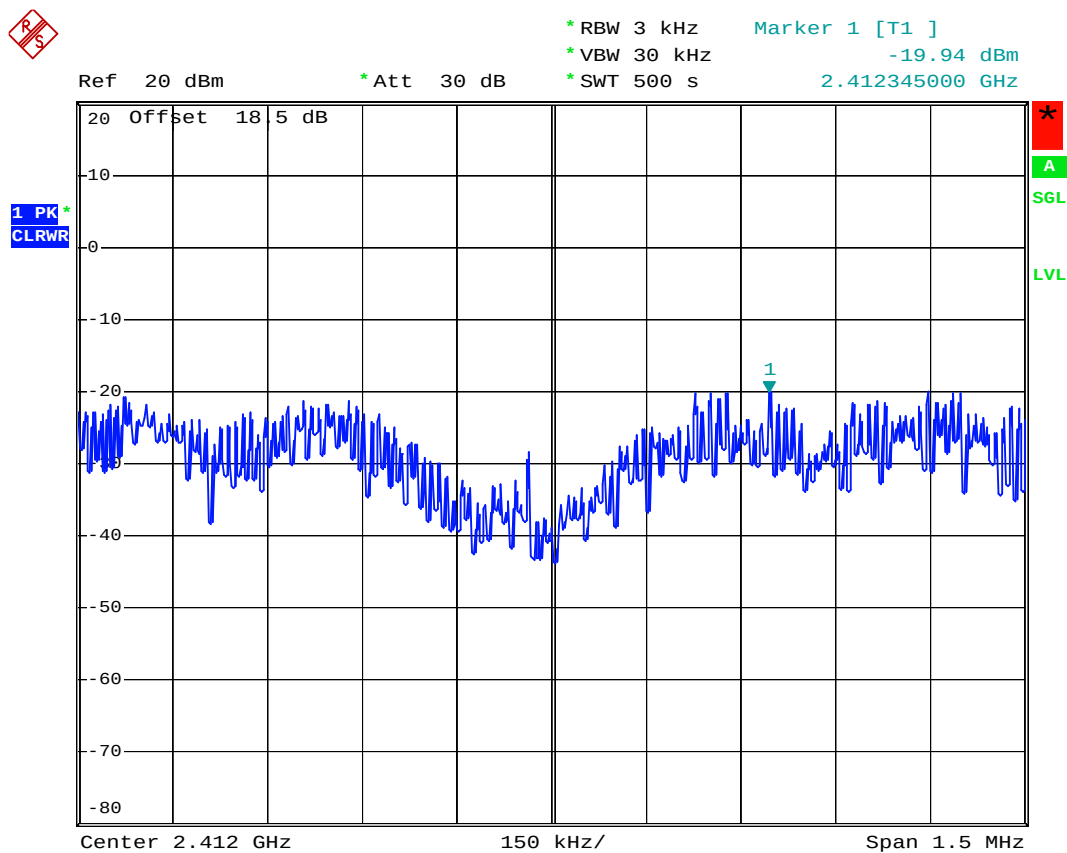


Mode 3



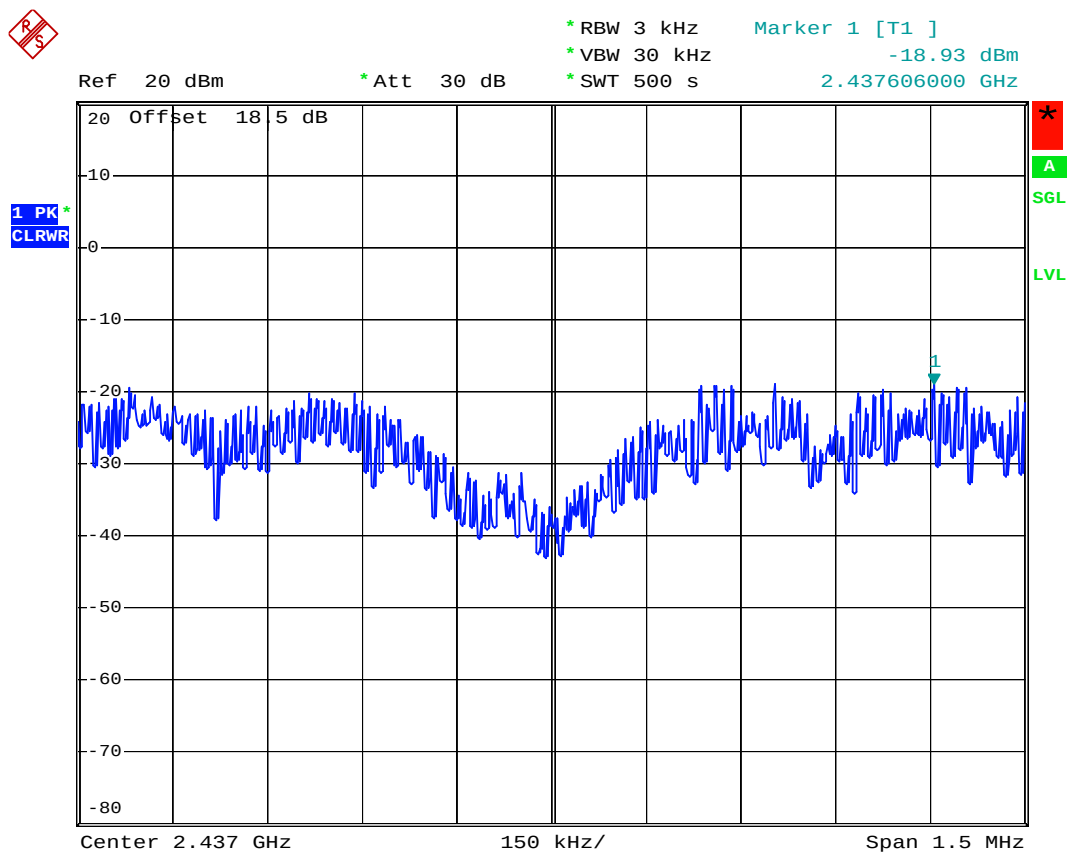
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Mode 4



Date: 13.DEC.2006 11:14:56

Mode 5



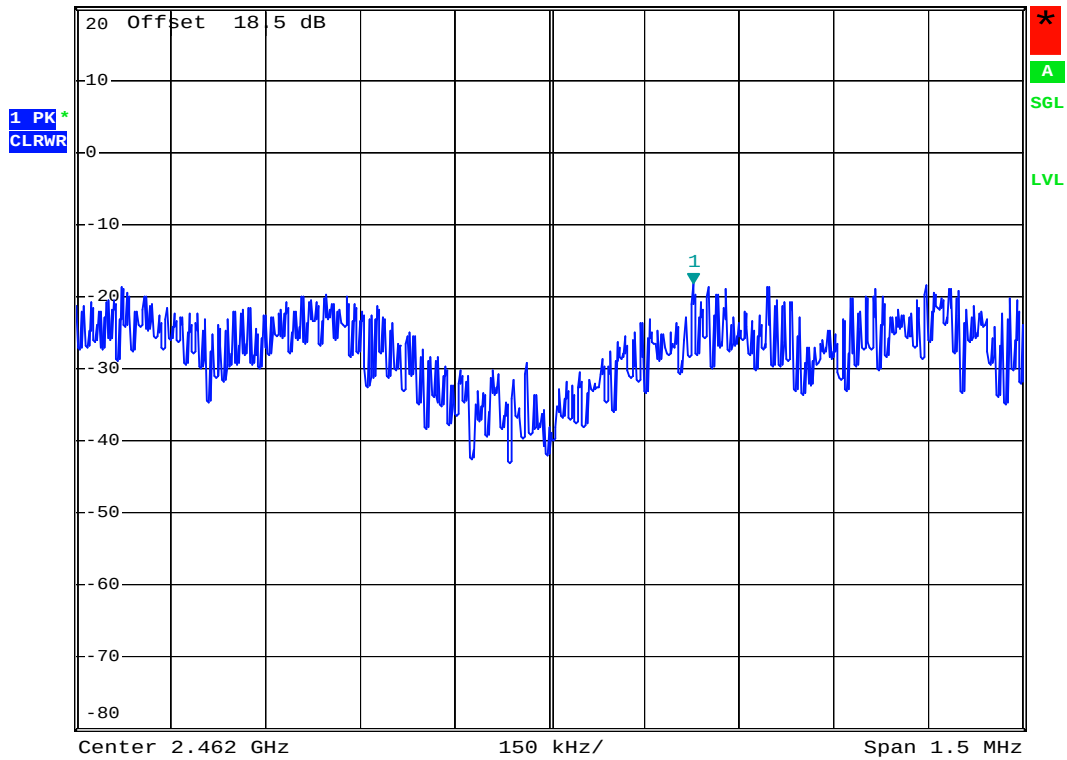
Date: 13.DEC.2006 11:20:41



Mode 6



Ref 20 dBm *Att 30 dB *RBW 3 kHz *VBW 30 kHz *SWT 500 s Marker 1 [T1]
-18.26 dBm
2.462228000 GHz



Date: 13.DEC.2006 11:21:34

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 : 25°C
- Relative Humidity : 53%
- Test Enginner : James
- Test Result in WLAN lower band (Channel 1) : PASS
- Test Result in WLAN higher band (Channel 11) : PASS
- Test Result in BT lower band (Channel 00) : PASS
- Test Result in BT higher band (Channel 78) : PASS

5.4.4 Note on Band Edge Emission :

➤WLAN 802.11b

CH01 (Horizontal)

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2388.00	39.76	-14.24	54.00	41.19	30.26	3.75	35.44	100	119	Average
2388.00	50.24	-23.76	74.00	51.69	30.25	3.75	35.46	100	0	Peak

CH01 (Vertical)

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2390.00	49.15	-24.85	74.00	50.64	30.23	3.69	35.40	100	0	Peak
2390.00	38.32	-15.68	54.00	39.77	30.26	3.75	35.46	104	73	Average

**CH11 (Horizontal)**

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2488.00	57.57	-16.43	74.00	58.93	30.29	3.86	35.51	100	0	Peak
2488.00	43.66	-10.34	54.00	45.01	30.30	3.86	35.51	124	120	Average

CH11 (Vertical)

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2488.00	57.22	-16.78	74.00	58.58	30.29	3.86	35.51	100	0	Peak
2488.00	43.18	-10.82	54.00	44.53	30.30	3.86	35.51	100	92	Average

➤WLAN 802.11g**CH01 (Horizontal)**

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2390.00	64.62	-9.38	74.00	66.07	30.26	3.75	35.46	100	0	Peak
2390.00	49.44	-4.56	54.00	50.89	30.26	3.75	35.46	100	119	Average

CH01 (Vertical)

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2390.00	57.46	-16.54	74.00	58.91	30.26	3.75	35.46	100	0	Peak
2390.00	41.07	-12.93	54.00	42.52	30.26	3.75	35.46	100	74	Average

CH11 (Horizontal)

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2483.50	69.90	-4.10	74.00	71.26	30.29	3.86	35.51	100	0	Peak
2483.50	51.79	-2.21	54.00	53.15	30.29	3.86	35.51	117	65	Average

**CH11 (Vertical)**

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2483.50	69.52	-4.48	74.00	70.88	30.29	3.86	35.51	100	0	Peak
2483.50	51.35	-2.65	54.00	52.71	30.29	3.86	35.51	100	90	Average

➤BT**CH00 (Horizontal)**

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2337.80	48.71	-25.29	74.00	50.18	30.24	3.69	35.40	100	0	Peak
2337.80	38.06	-15.94	54.00	39.54	30.24	3.69	35.40	100	68	Average

CH00 (Vertical)

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2340.60	48.58	-25.42	74.00	50.05	30.24	3.71	35.42	100	0	Peak
2340.60	38.16	-15.84	54.00	39.64	30.24	3.71	35.42	100	28	Average

CH78 (Horizontal)

Frequency	Level	Over	Limit	Read	Abtebba	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2483.70	45.12	-8.88	54.00	46.48	30.29	3.86	35.51	100	37	Average
2483.70	57.16	-16.84	74.00	58.52	30.29	3.86	35.51	100	0	Peak

CH78 (Vertical)

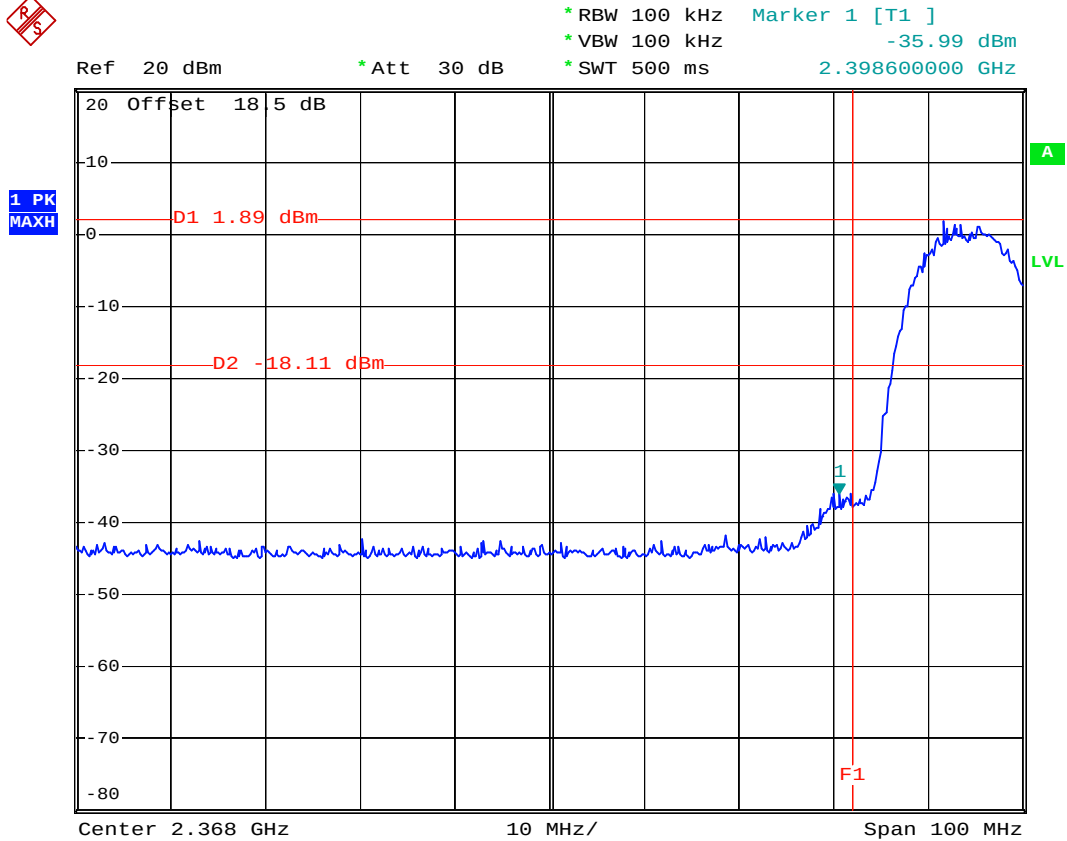
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		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	
2483.50	48.49	-5.51	54.00	49.85	30.29	3.86	35.51	100	346	Average
2483.50	53.47	-20.53	74.00	54.82	30.29	3.86	35.51	100	0	Peak



5.4.4 20dB Band Edge

WLAN 802.11b

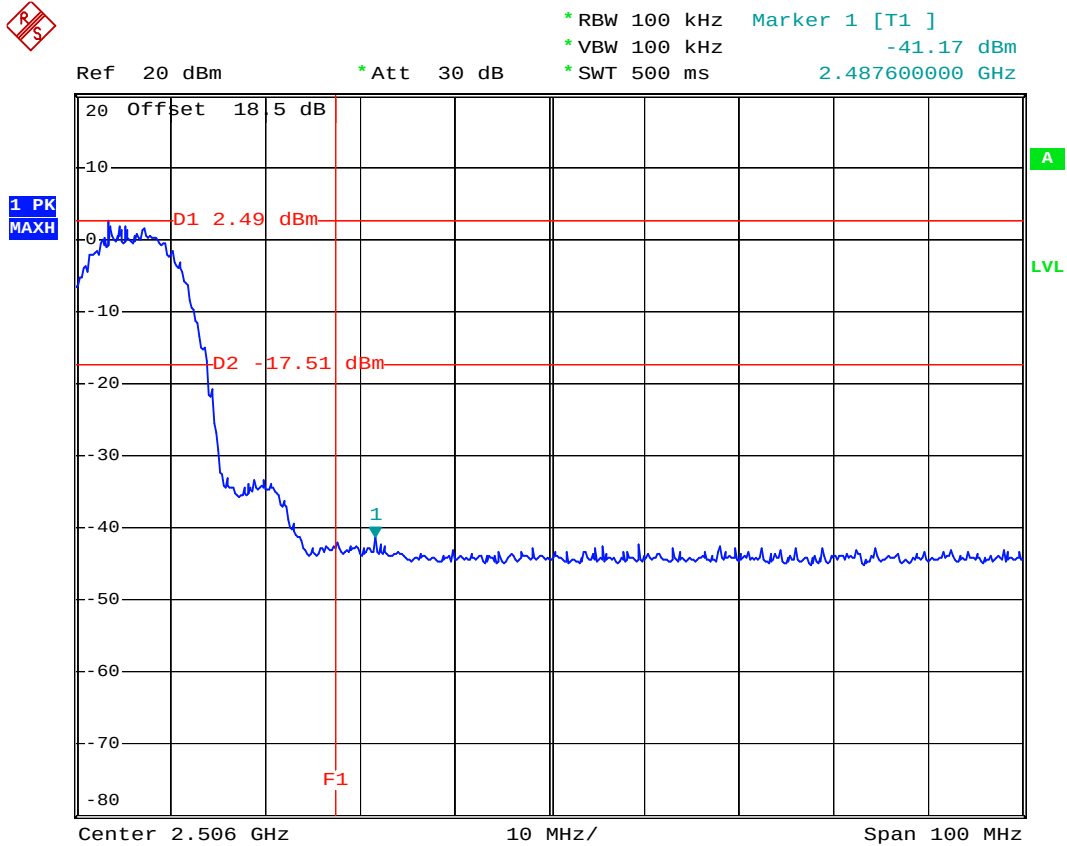
CH01



Date: 11.DEC.2006 21:09:39



CH11

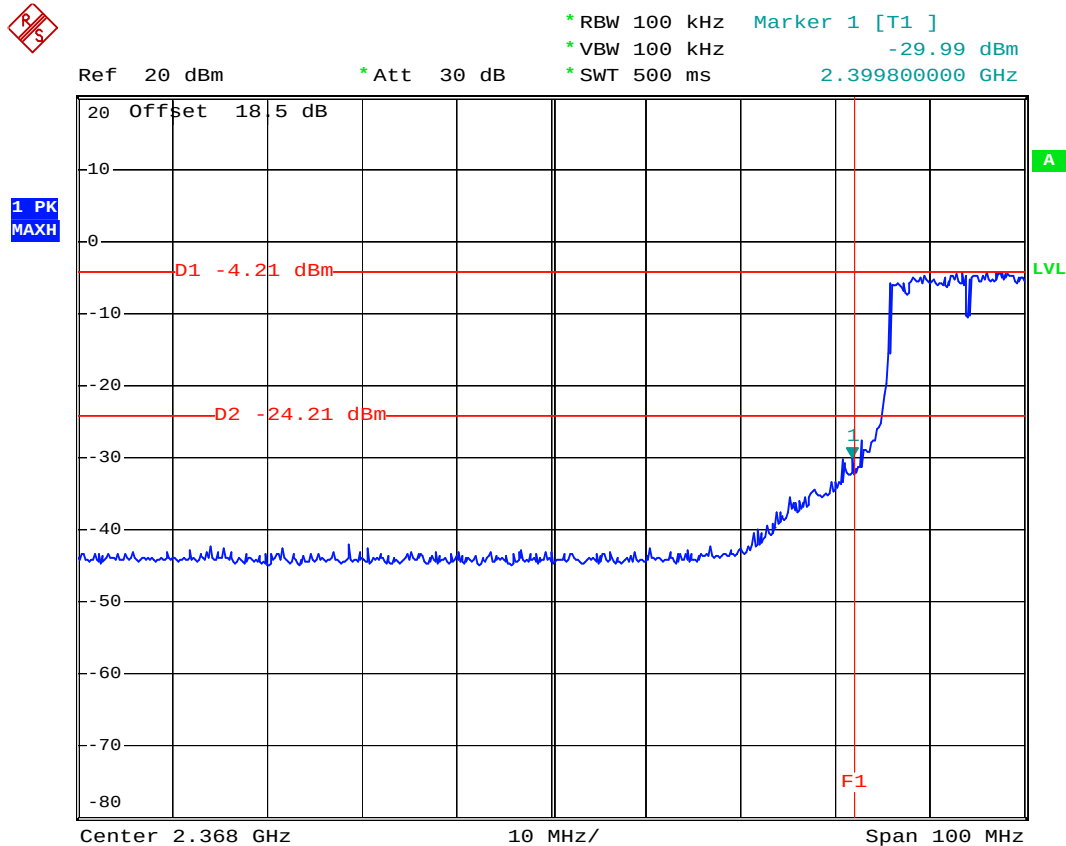


Date: 11.DEC.2006 21:08:00



WLAN 802.11g

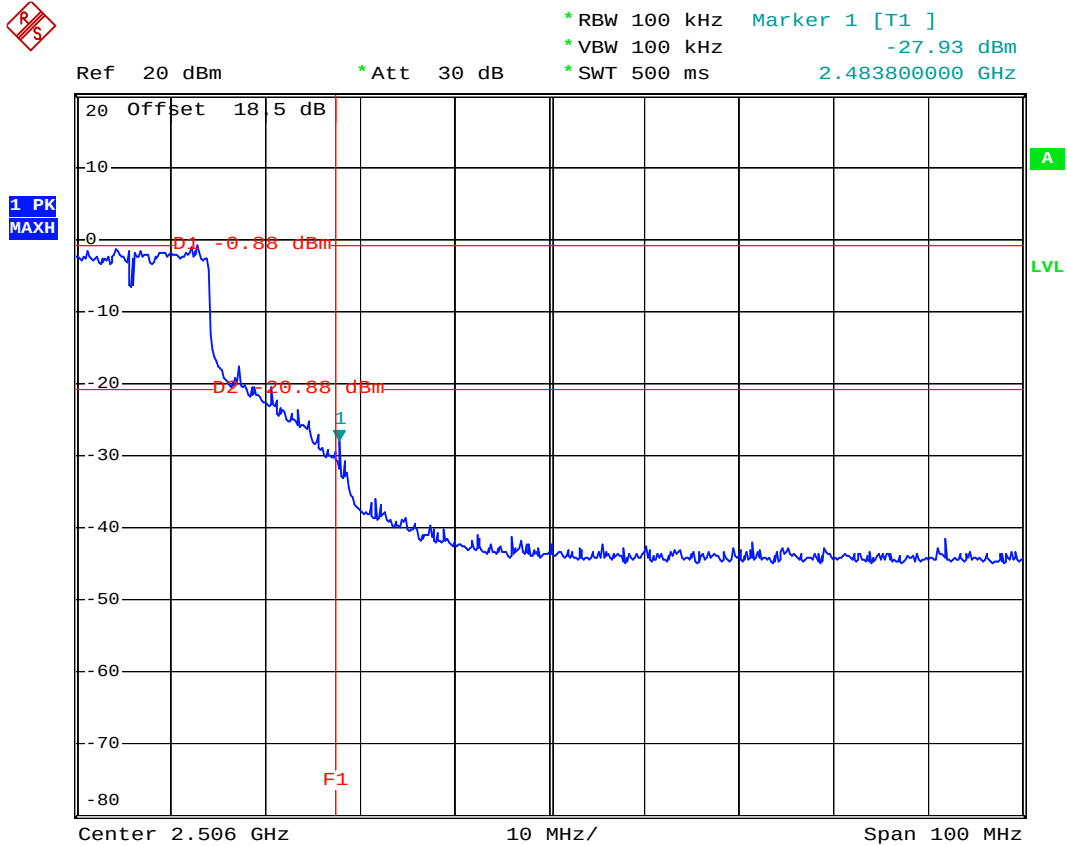
CH01



Date: 11.DEC.2006 21:11:51



CH11

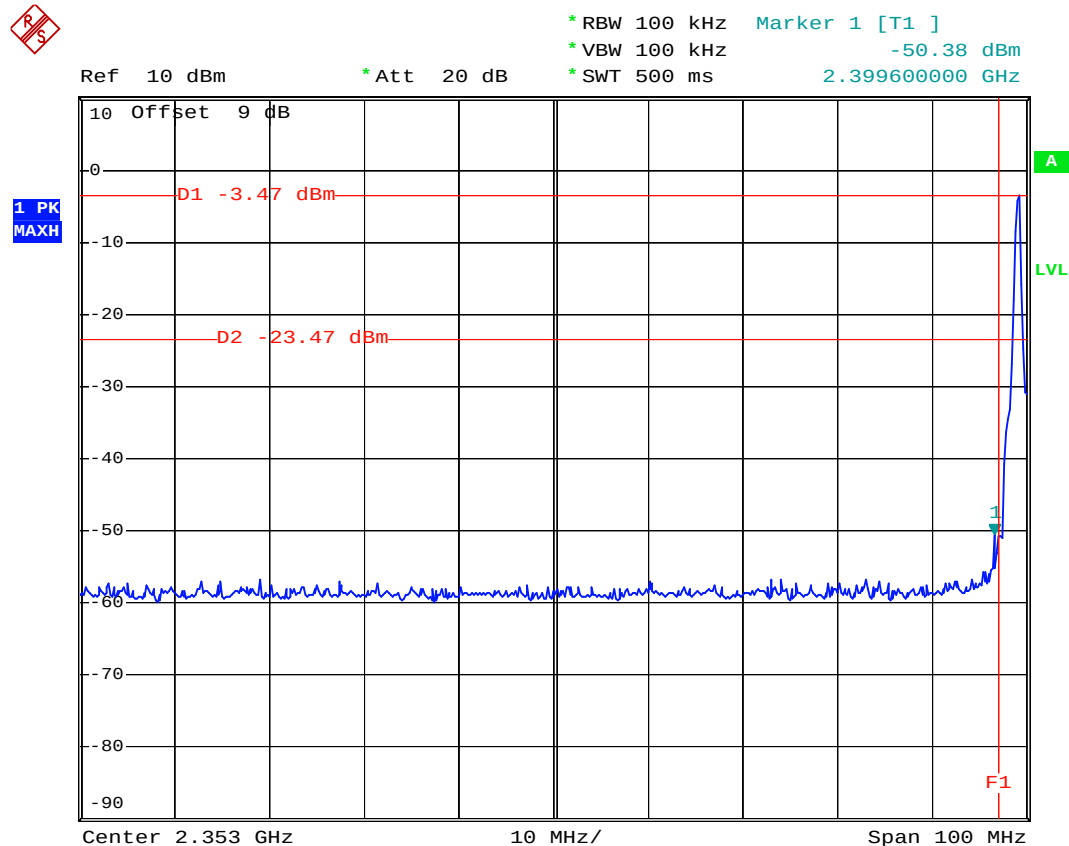


Date: 11.DEC.2006 21:12:54



Bluetooth

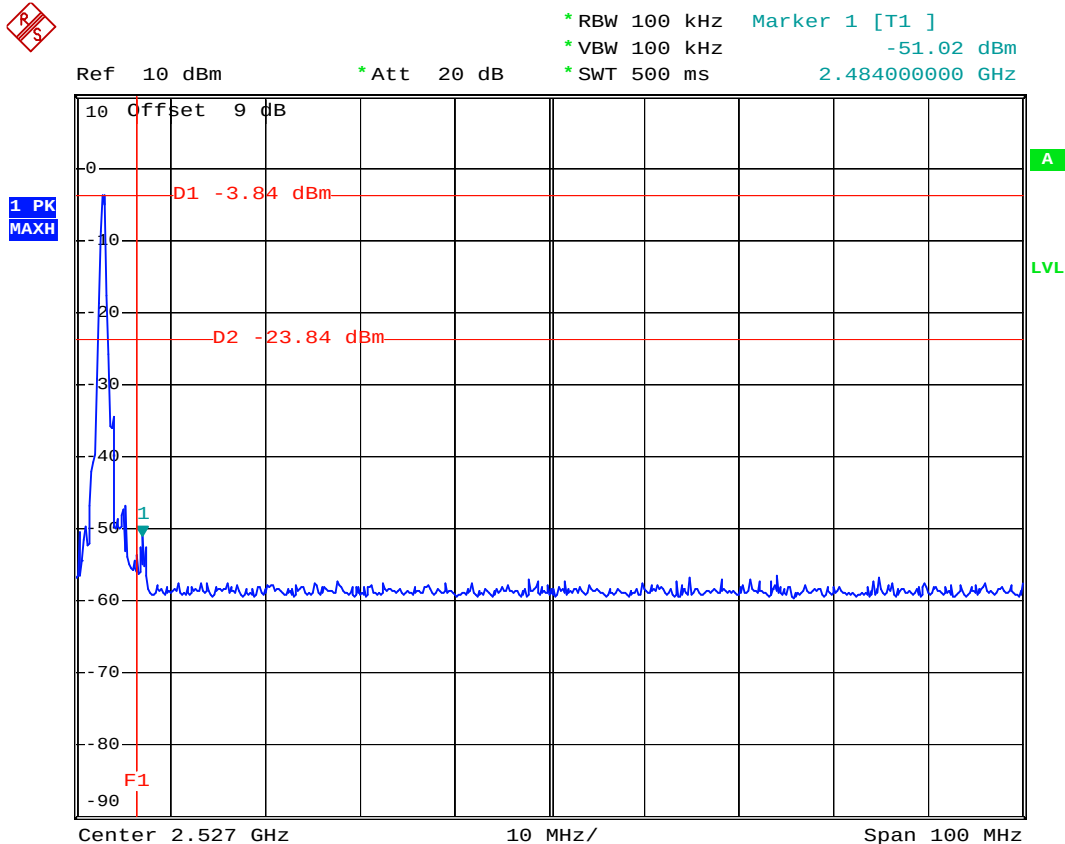
CH00



Date: 6.DEC.2006 17:08:40



CH78



Date: 6.DEC.2006 17:09:54

5.5 Hopping Channel Separation

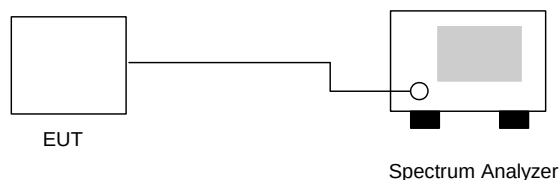
5.5.1 Measuring Instruments :

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 : 25°C
- Relative Humidity : 53%
- Test Enginner : James

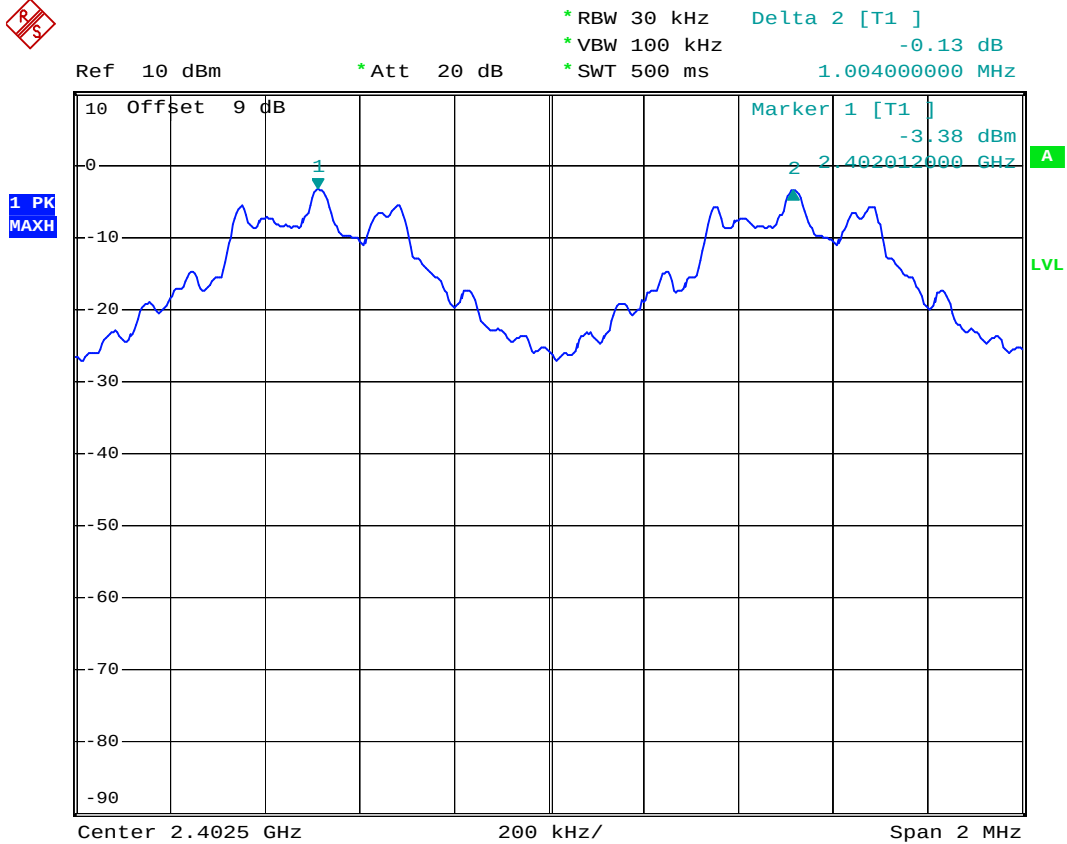
Channel	Carrier Frequency		Limits	Plot
	Frequency (MHz)	Separation (MHz)		
00	2402	1.004	0.822	Mode 7
39	2441	1.000	0.819	Mode 8
78	2480	1.004	0.825	Mode 9

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



5.5.5 Hopping Channel Separation

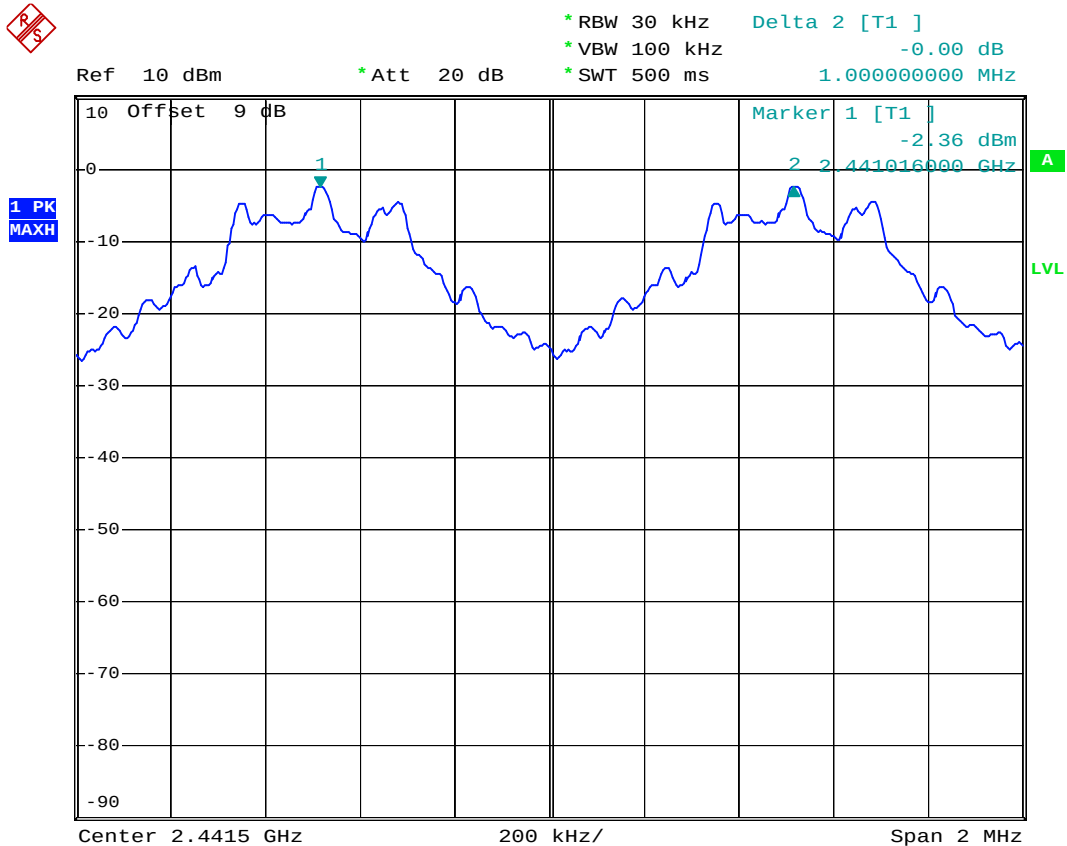
Mode 7



Date: 6.DEC.2006 17:15:32



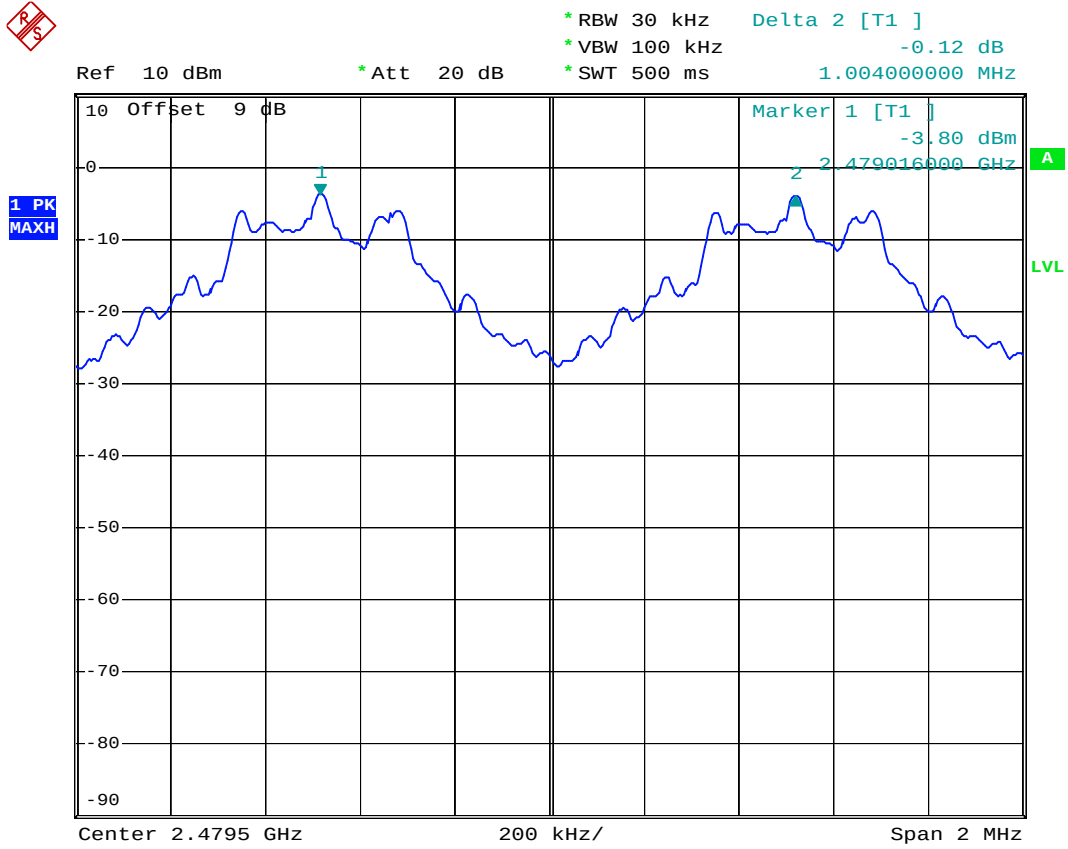
Mode 8



Date: 6.DEC.2006 17:16:17



Mode 9



Date: 6.DEC.2006 17:17:08

5.6 Number of Hopping Frequency

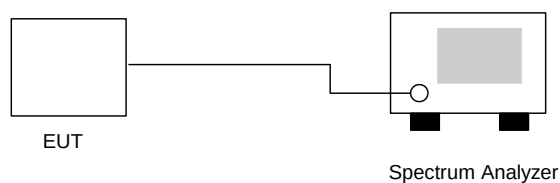
5.6.1 Measuring Instruments :

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 :



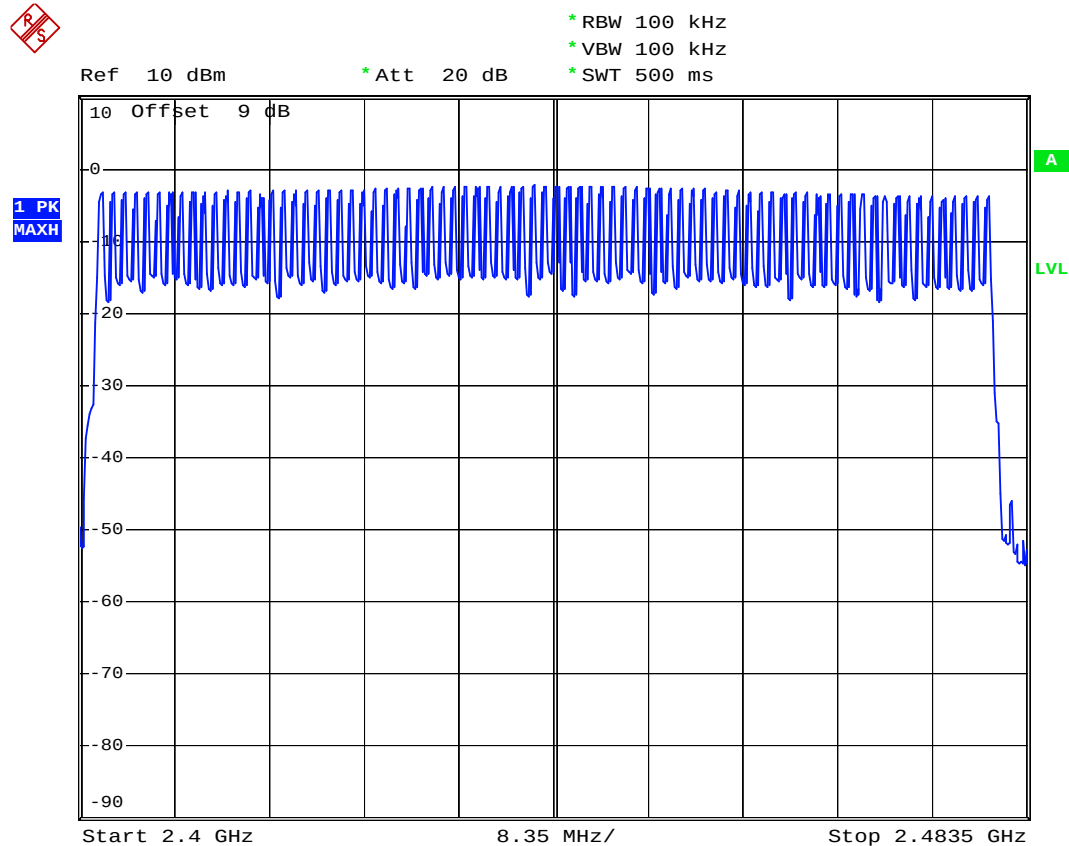
5.6.4 Test Result : See spectrum analyzer plots below

- Application Type : BT
- Temperature : 25°C
- Relative Humidity : 53%
- Test Enginner : James

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



5.6.5 Number of Hopping Frequency



Date: 6.DEC.2006 17:37:54

5.7 Hopping Channel Bandwidth

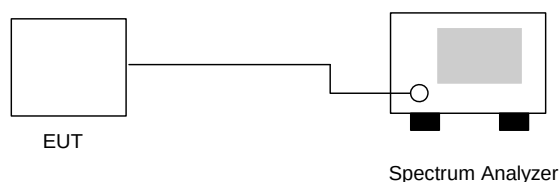
5.7.1 Measuring Instruments :

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

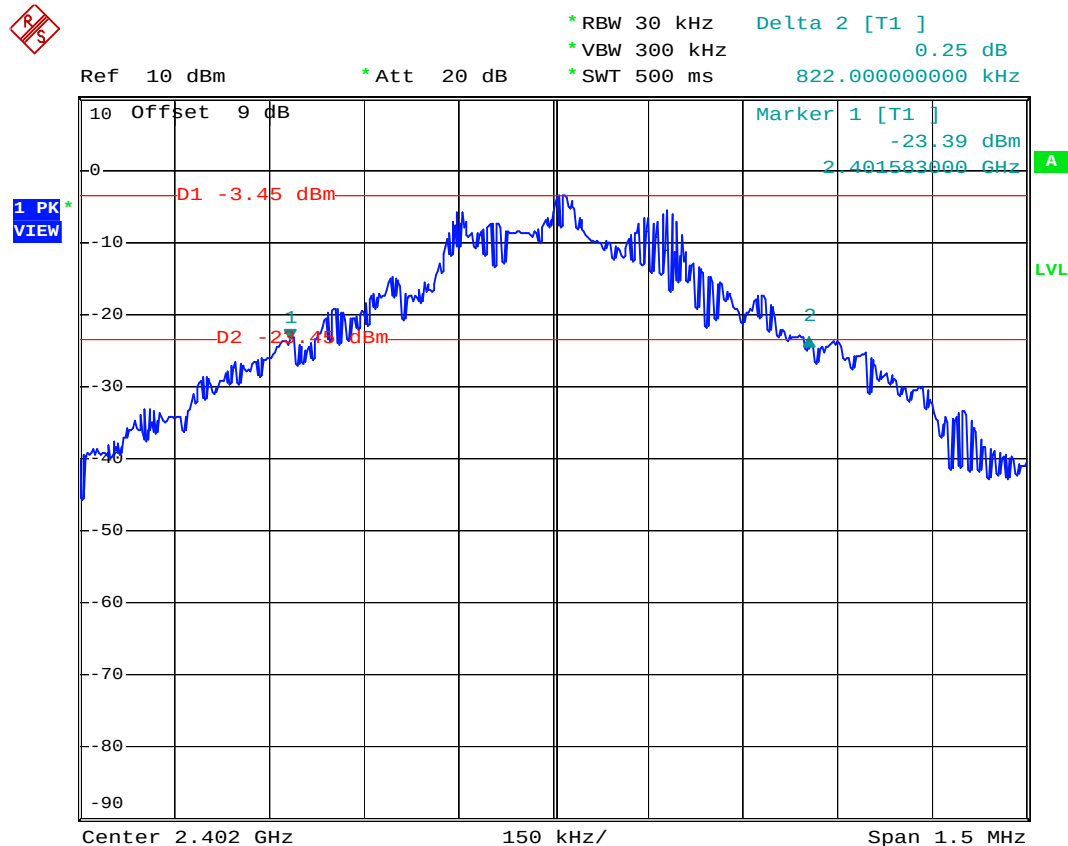
- Application Type : BT
- Temperature : 25°C
- Relative Humidity : 53%
- Test Enginner : James

Channel	Frequency (MHz)	Hopping Channel Bandwidth (MHz)	Limits (MHz)	Plot Ref. No.
00	2402	0.822	1.000	Mode 7
39	2441	0.819	1.000	Mode 8
78	2480	0.825	1.000	Mode 9



5.7.5 Hopping Channel Bandwidth

Mode 7



Date: 6.DEC.2006 17:12:47



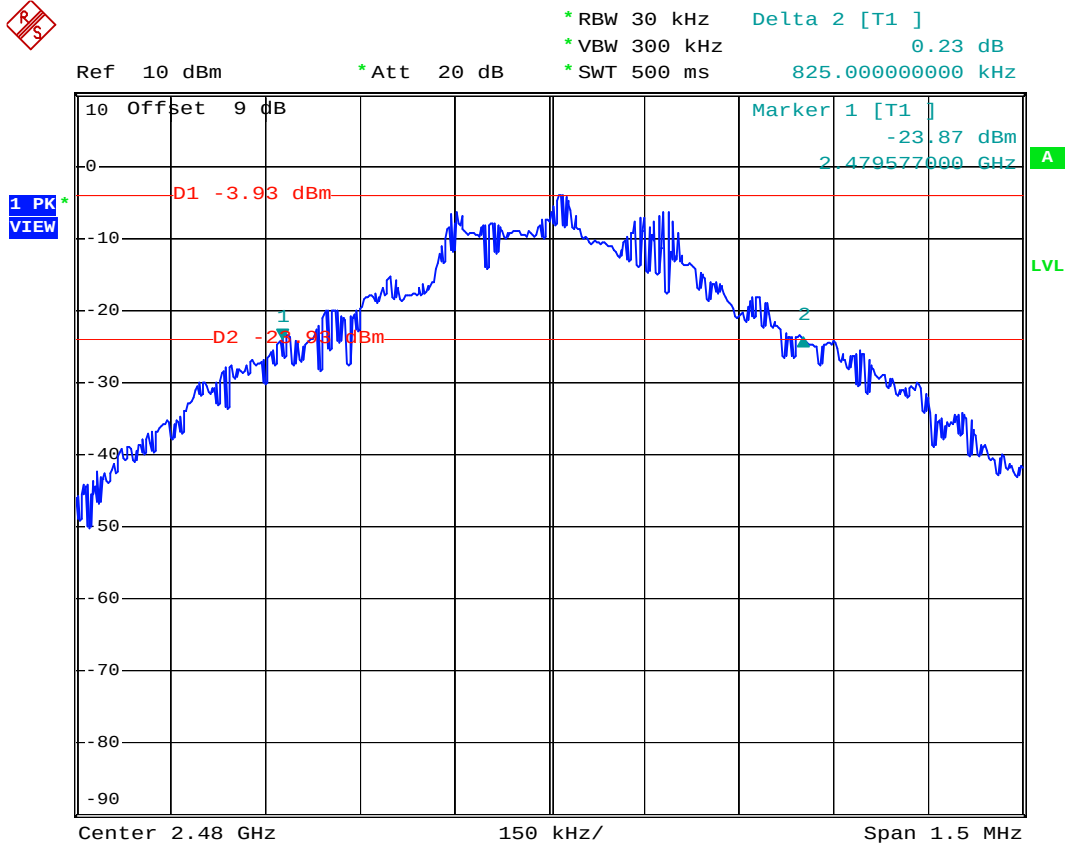
Mode 8



Date: 6.DEC.2006 17:13:50



Mode 9



Date: 6.DEC.2006 17:14:40

5.8 Dwell Time of Each Frequency

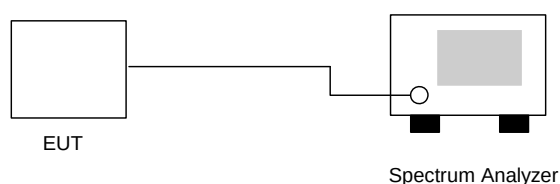
5.8.1 Measuring Instruments :

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 : 25°C
- Relative Humidity : 53%
- Test Enginner : James

Ch00

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	9.4	556	0.165	0.4
DH3	4.4	1816	0.253	0.4
DH5	3.1	3086	0.302	0.4

CH39

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	8.7	556	0.153	0.4
DH3	4.2	1816	0.241	0.4
DH5	2.9	3066	0.281	0.4

CH78

Package Mode	Average Hopping Channel	Package Transfer Time (us)	Dwell Time (s)	Limit (s)
DH1	8.1	552	0.141	0.4
DH3	3.8	1826	0.219	0.4
DH5	3.1	3086	0.302	0.4

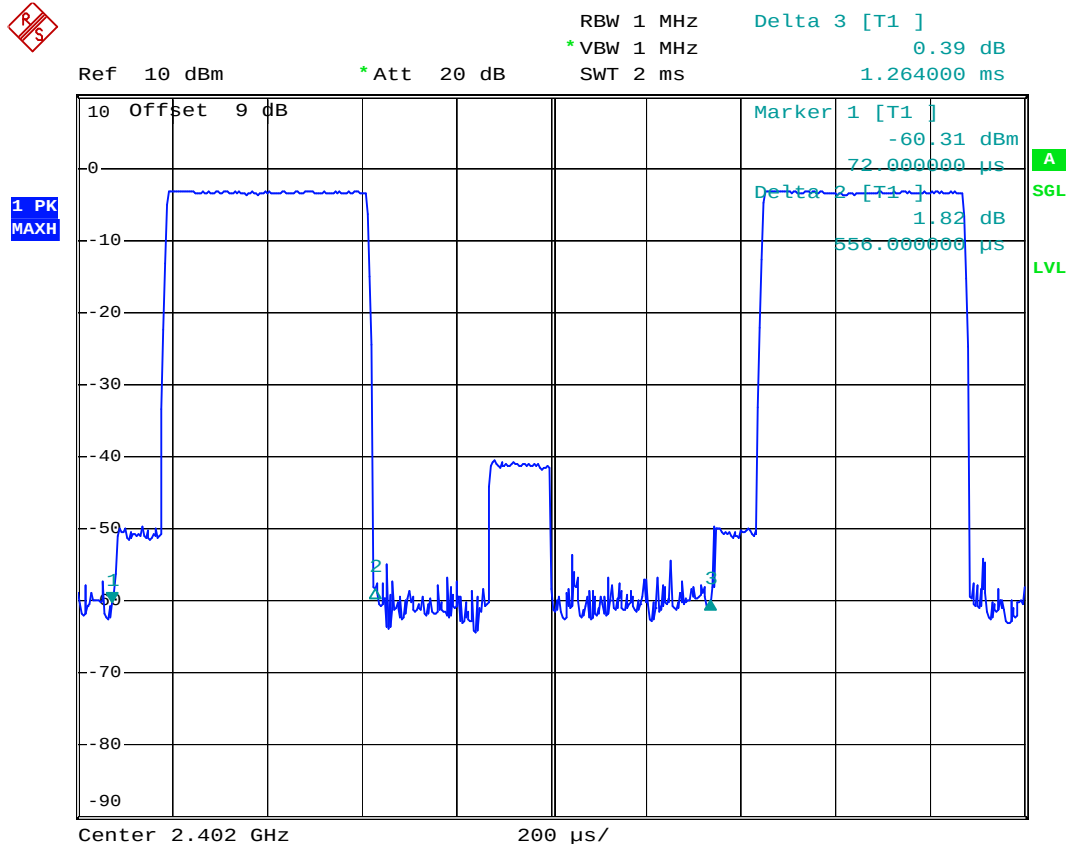
※ Remark:

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)

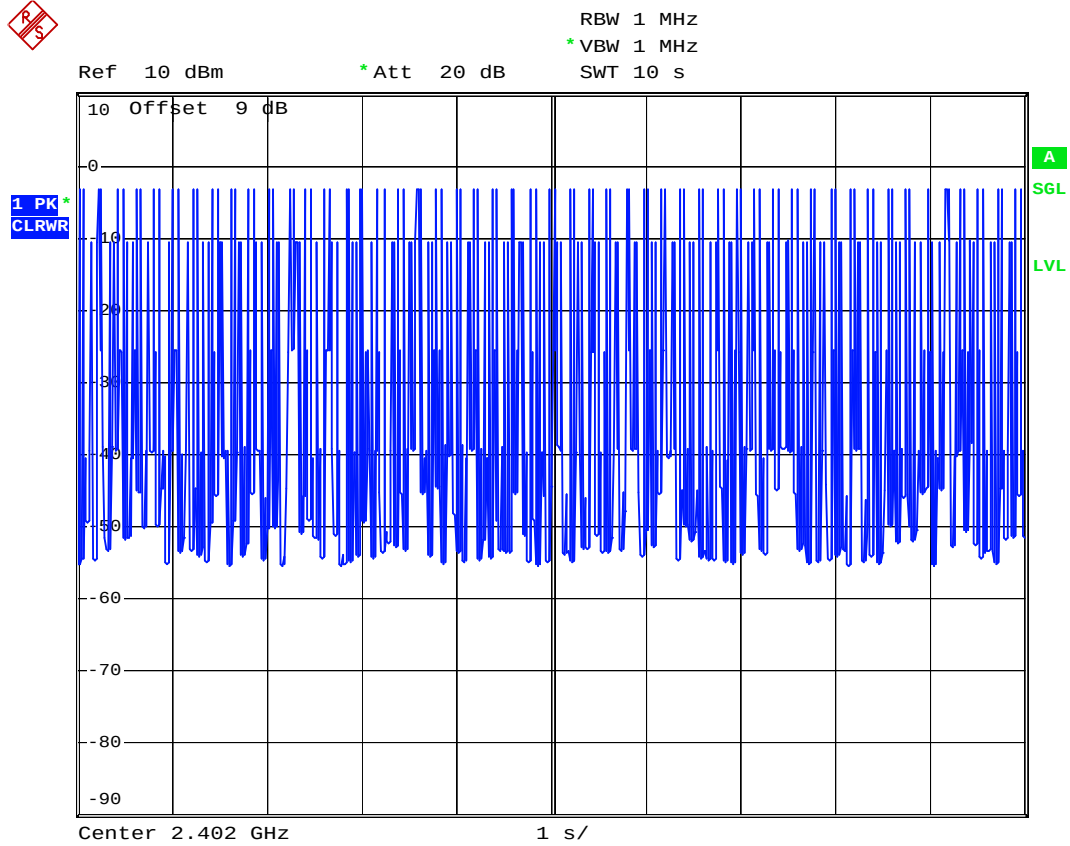


5.8.5 Dwell Time

DH1 (CH00)



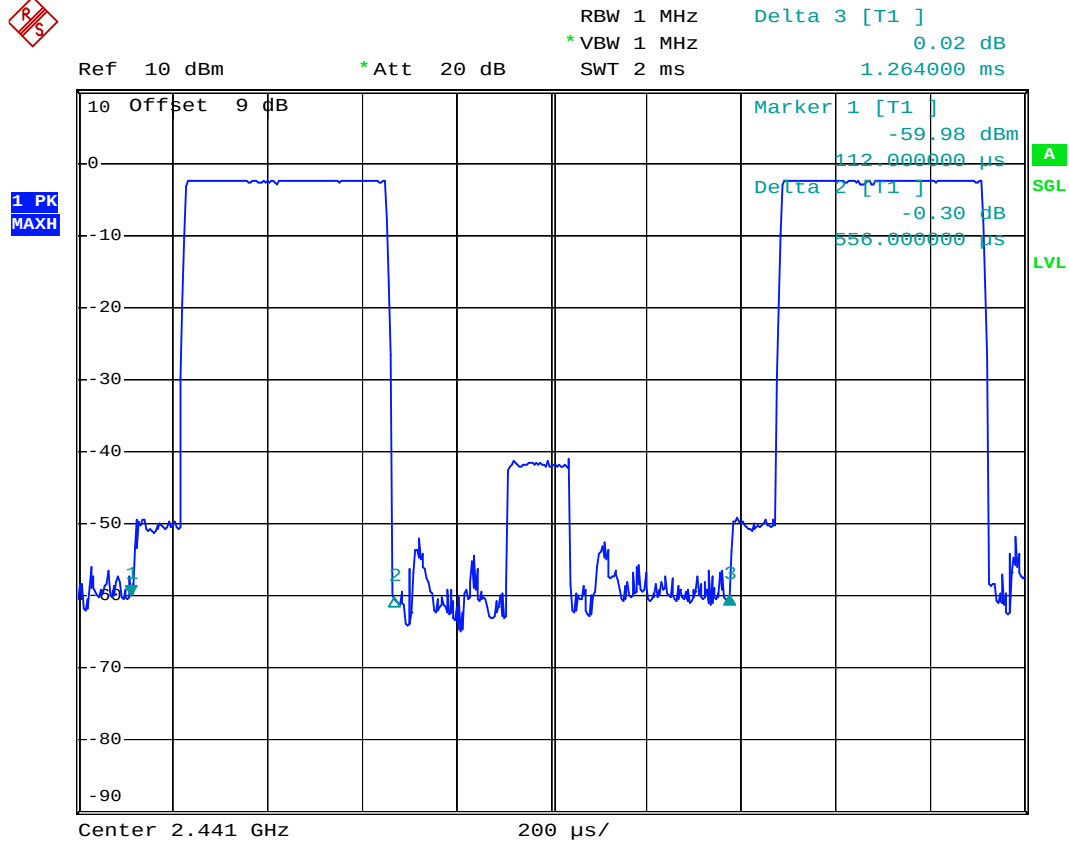
Date: 6.DEC.2006 17:18:46



Date: 6.DEC.2006 17:23:40



DH1 (CH39)

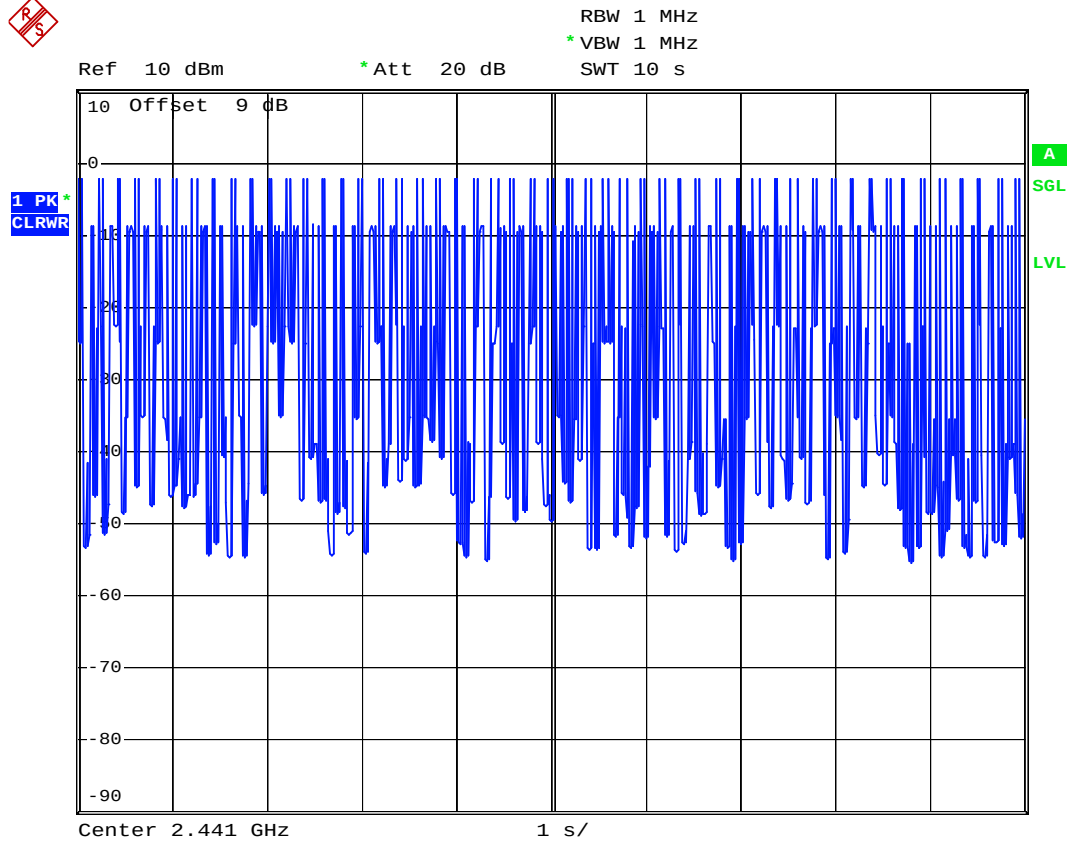


Date: 6.DEC.2006 17:19:08



FCC TEST REPORT

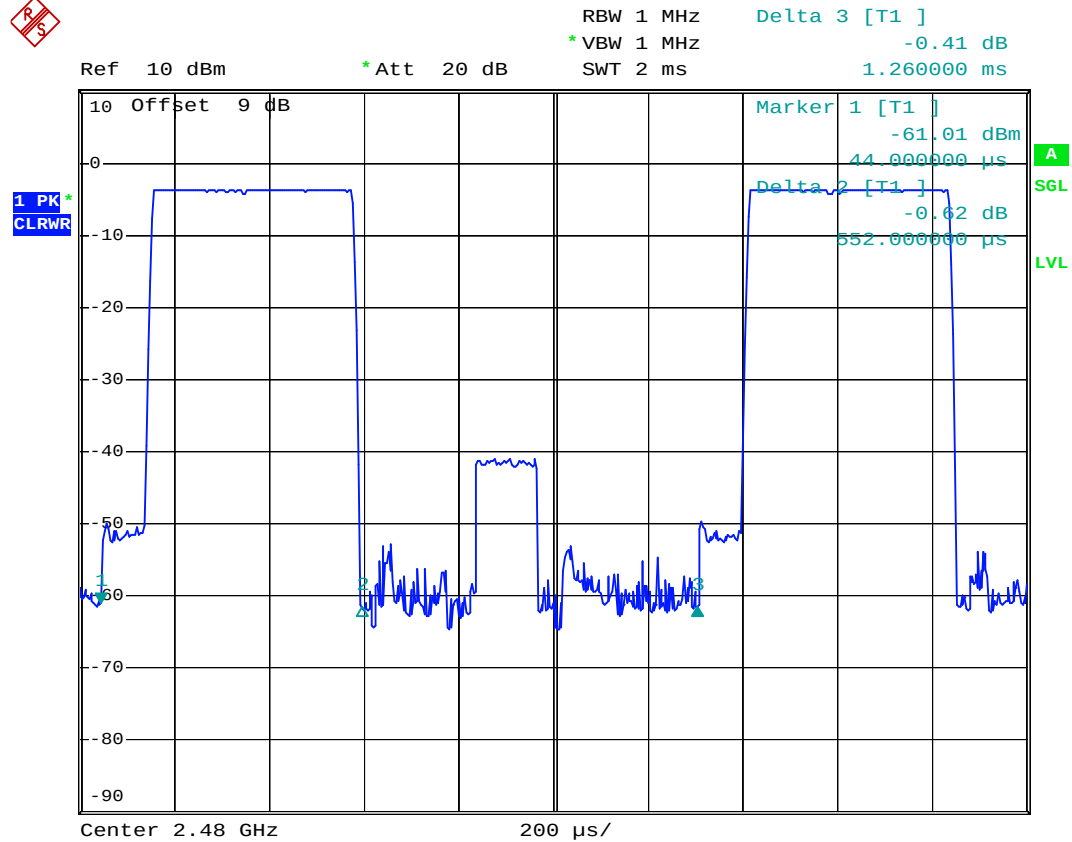
Report No. : FR6N2811



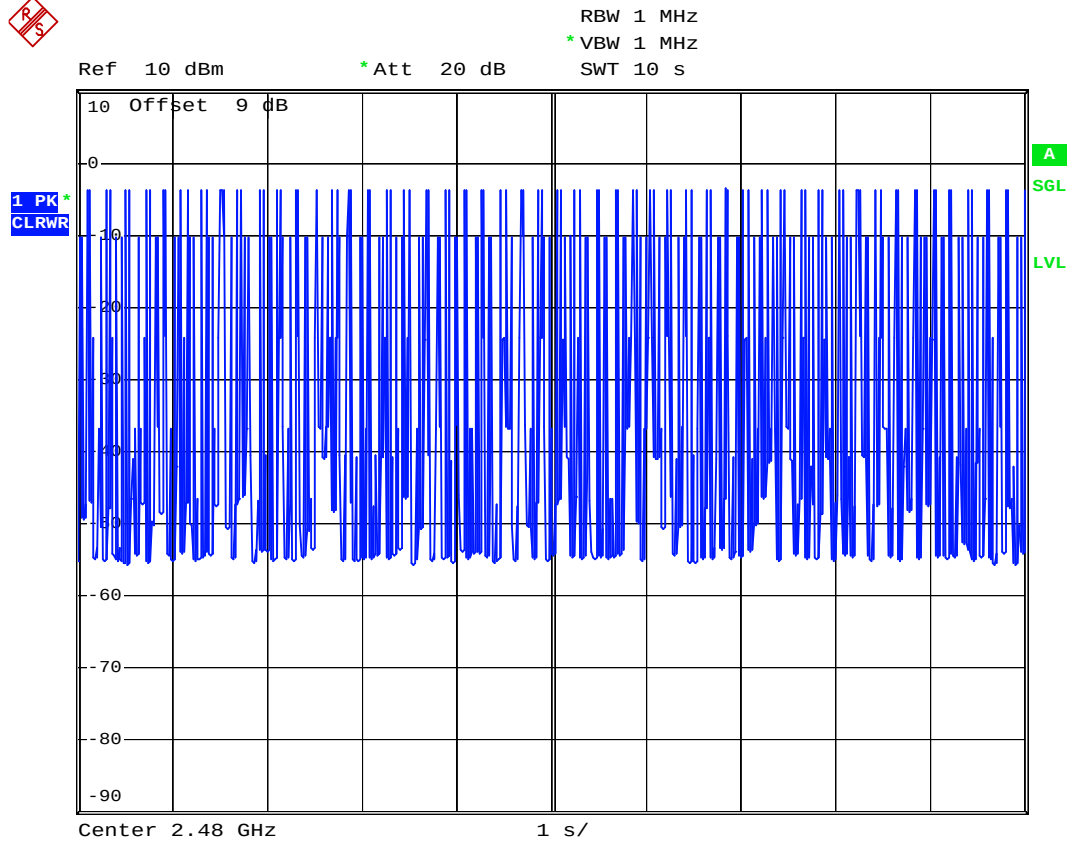
Date: 6.DEC.2006 17:23:58



DH1 (CH78)



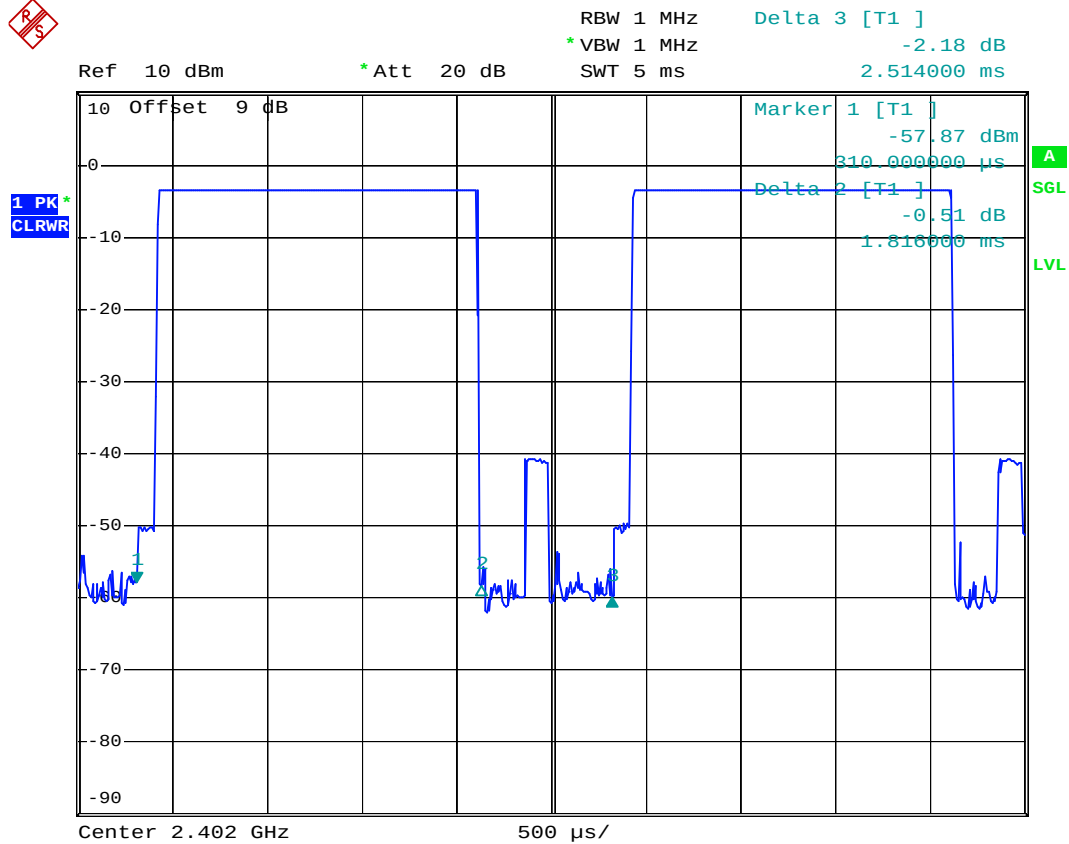
Date: 6.DEC.2006 17:19:35



Date: 6.DEC.2006 17:24:22



DH3 (CH00)

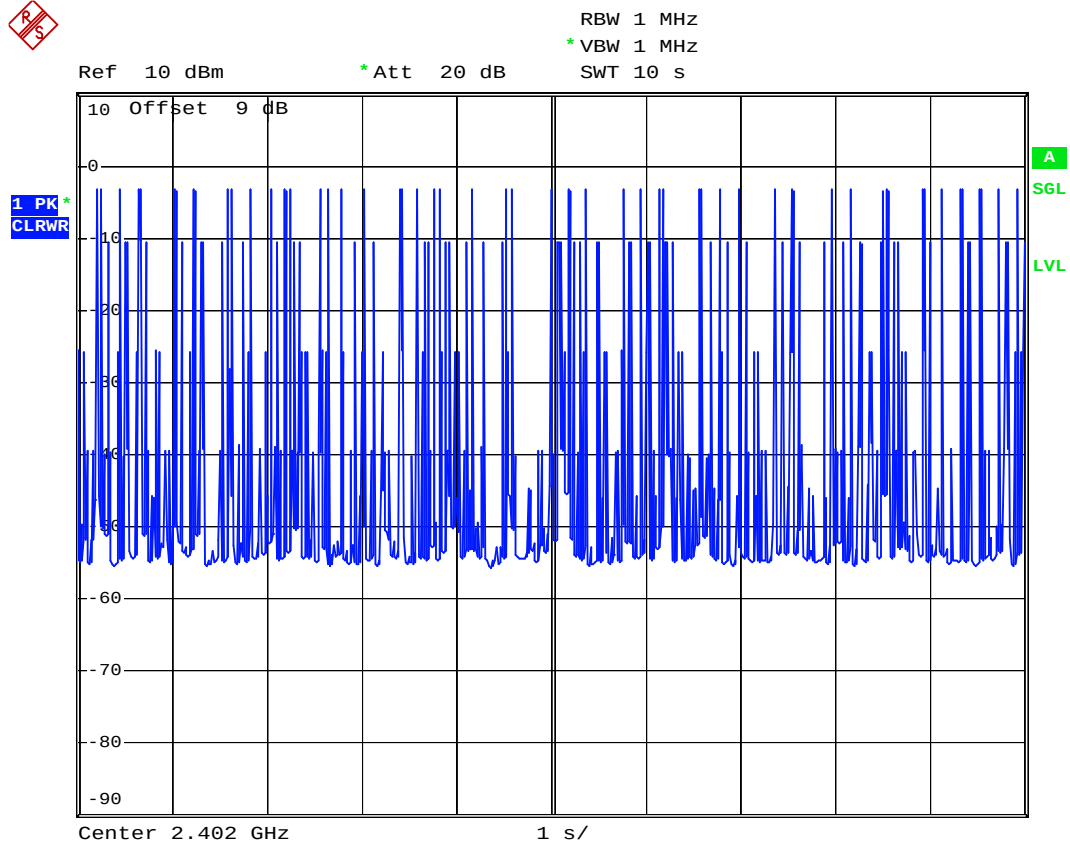


Date: 6.DEC.2006 17:20:14



FCC TEST REPORT

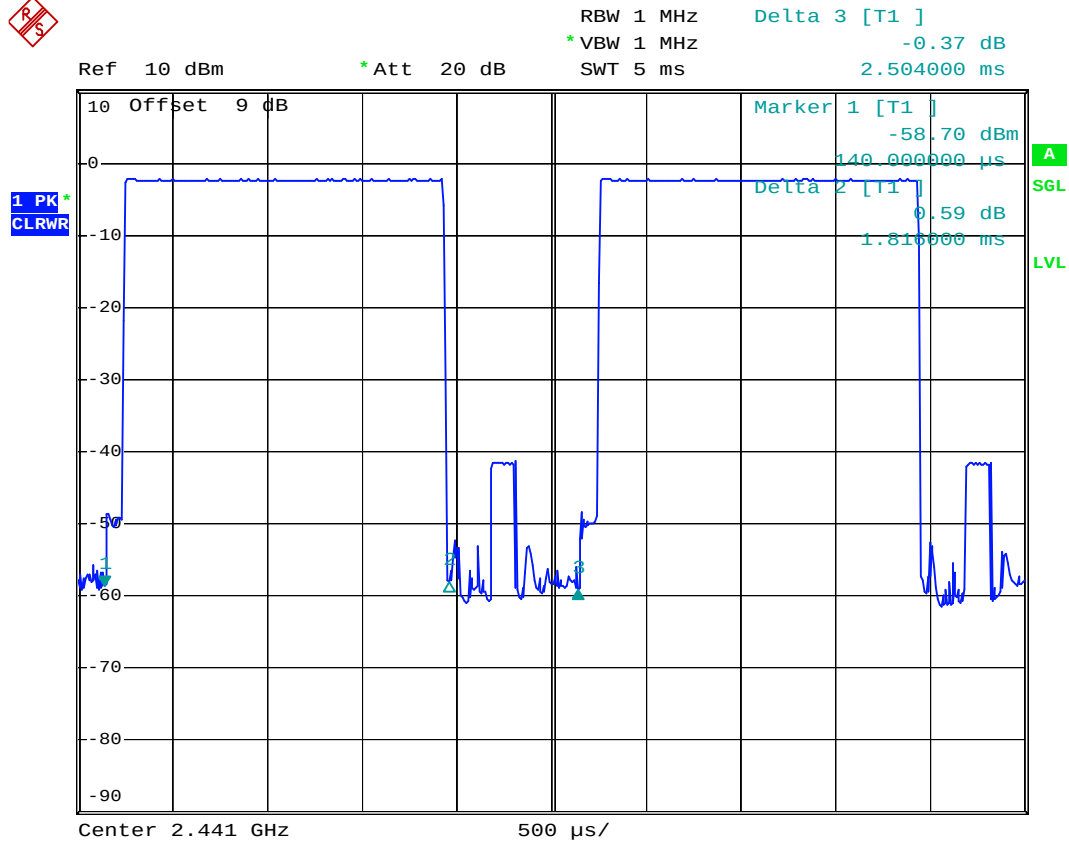
Report No. : FR6N2811



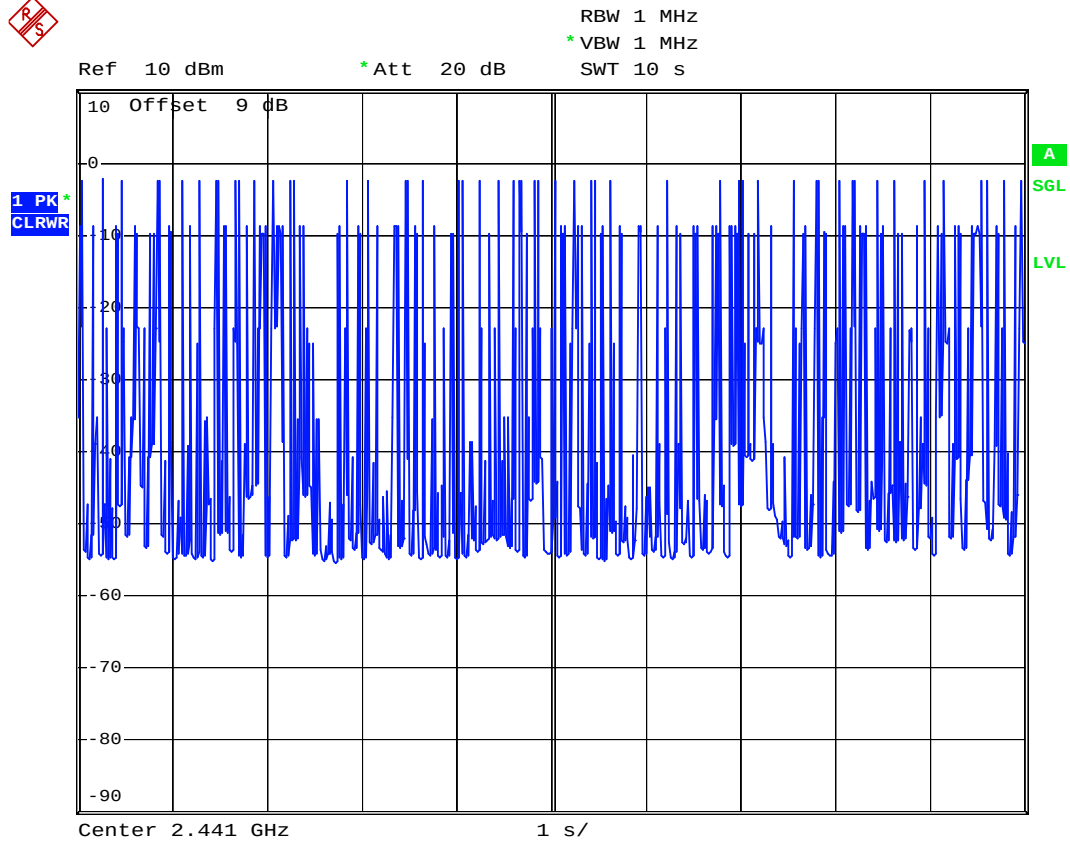
Date: 6.DEC.2006 17:25:04



DH3 (CH39)



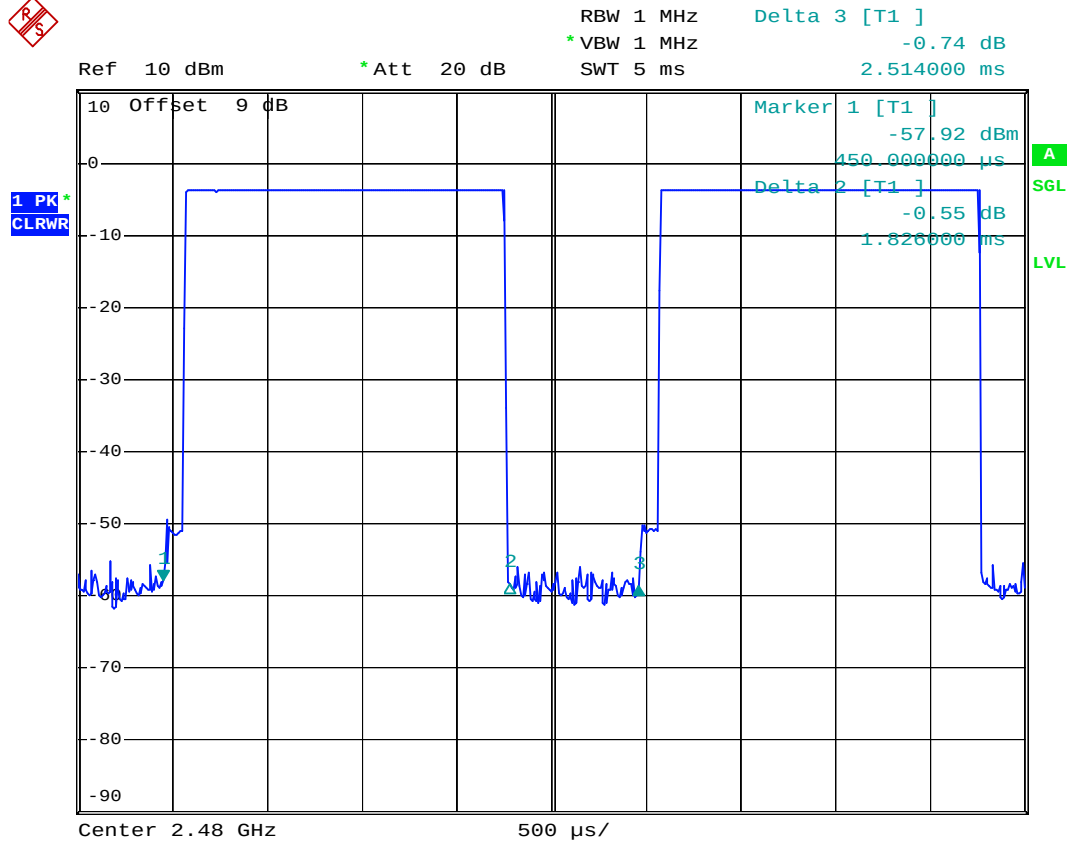
Date: 6.DEC.2006 17:20:36



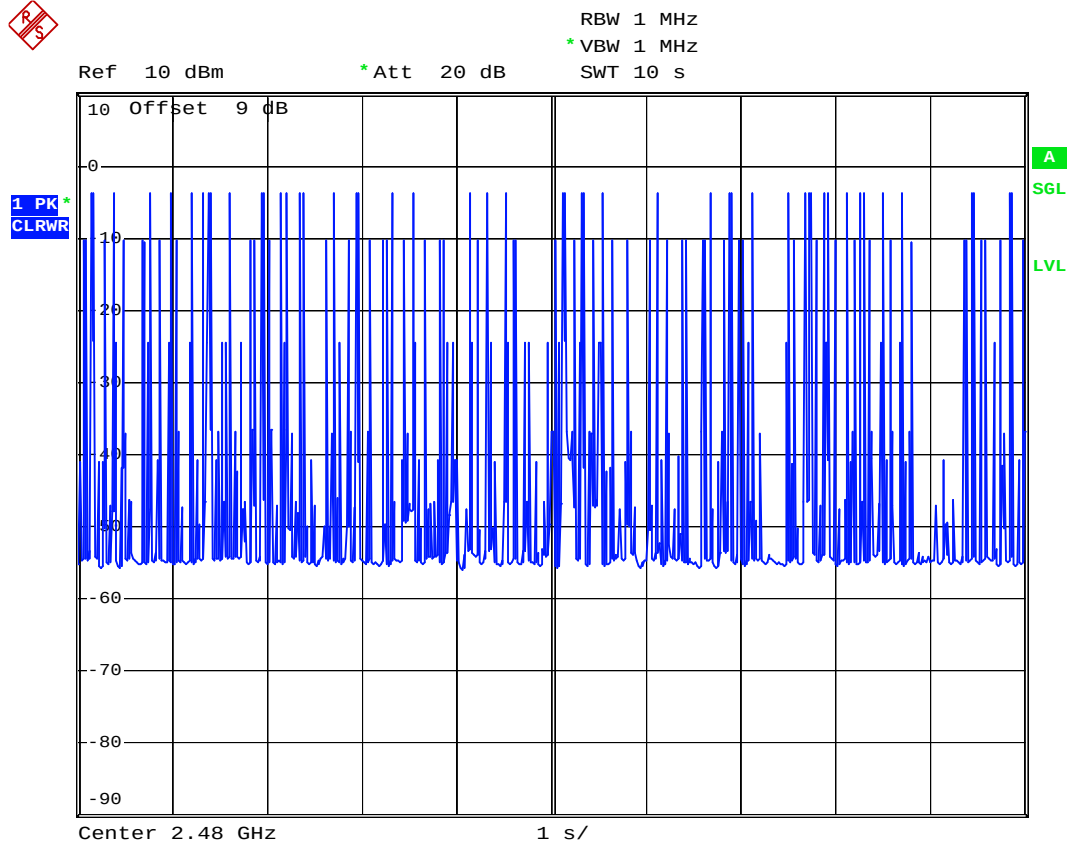
Date: 6.DEC.2006 17:26:24



DH3 (CH78)



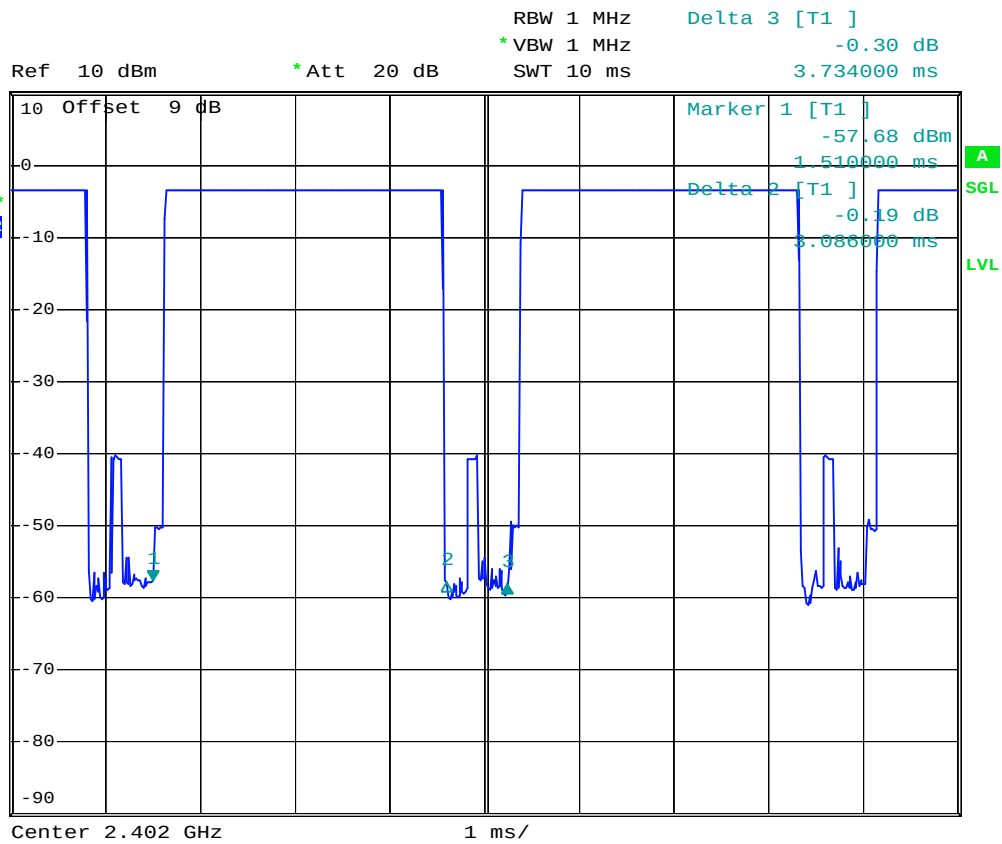
Date: 6.DEC.2006 17:21:10



Date: 6.DEC.2006 17:26:42



DH5 (CH00)

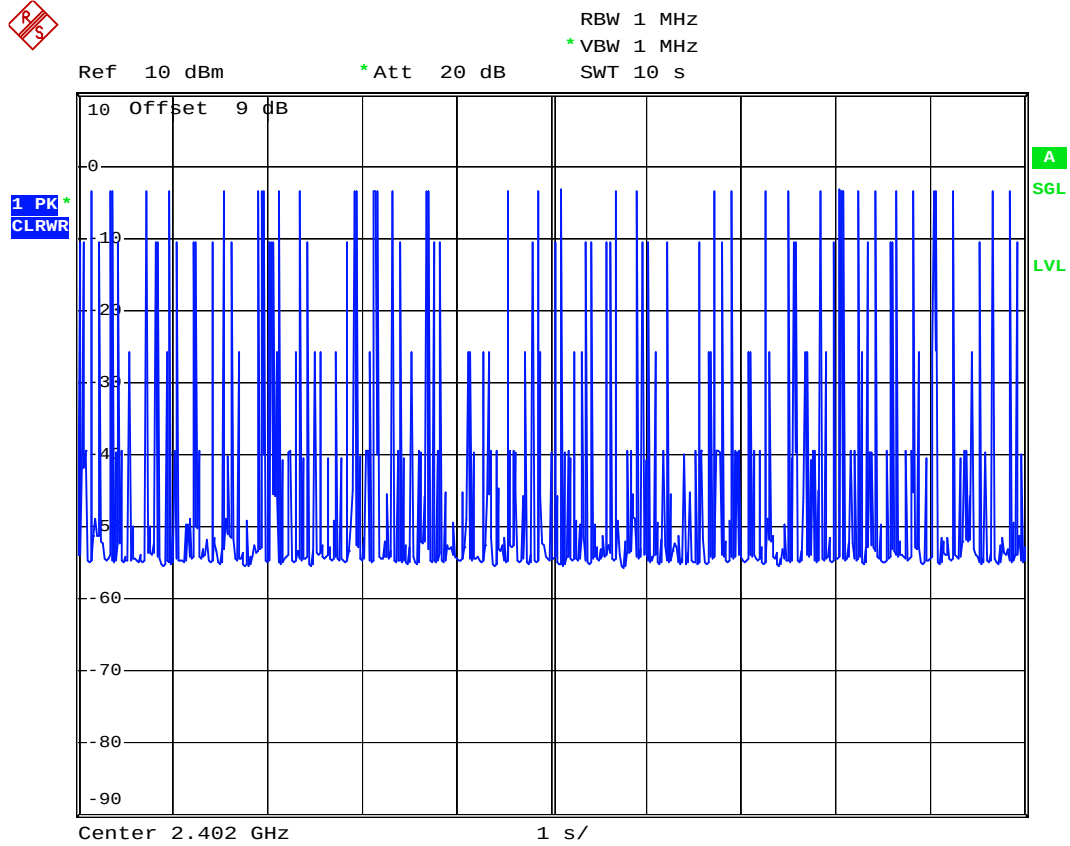


Date: 6.DEC.2006 17:21:56



FCC TEST REPORT

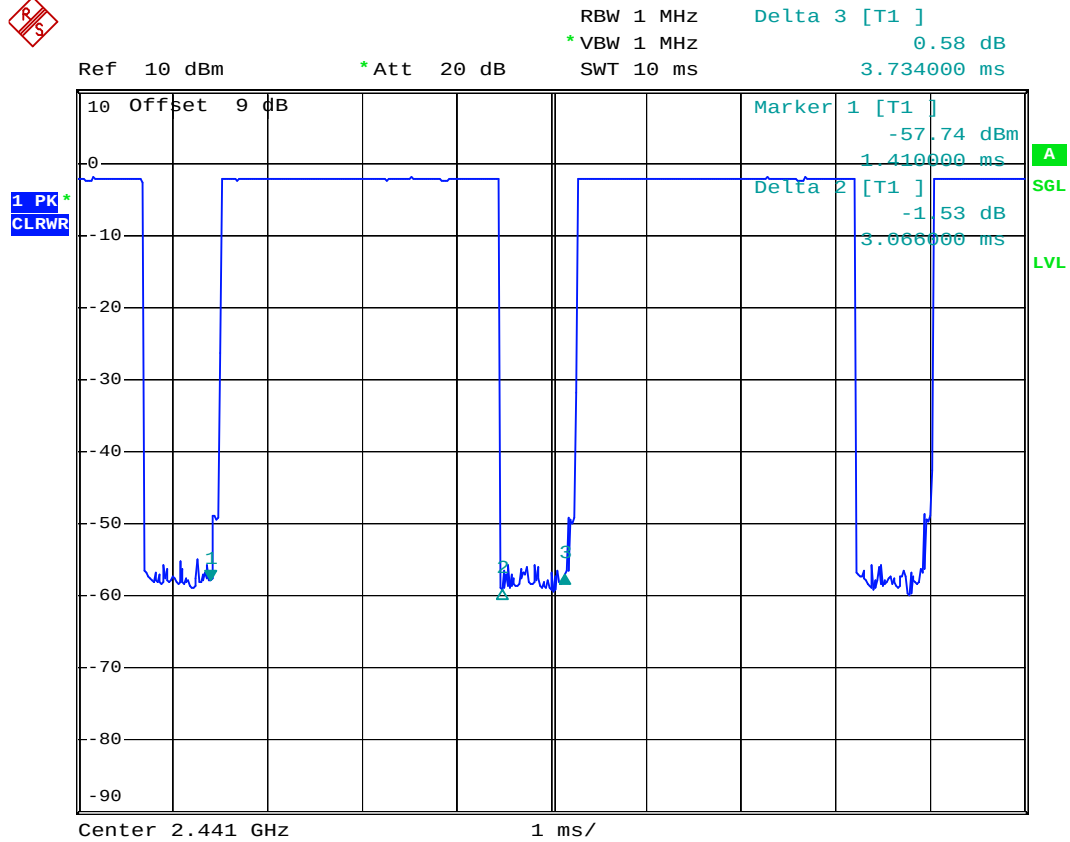
Report No. : FR6N2811



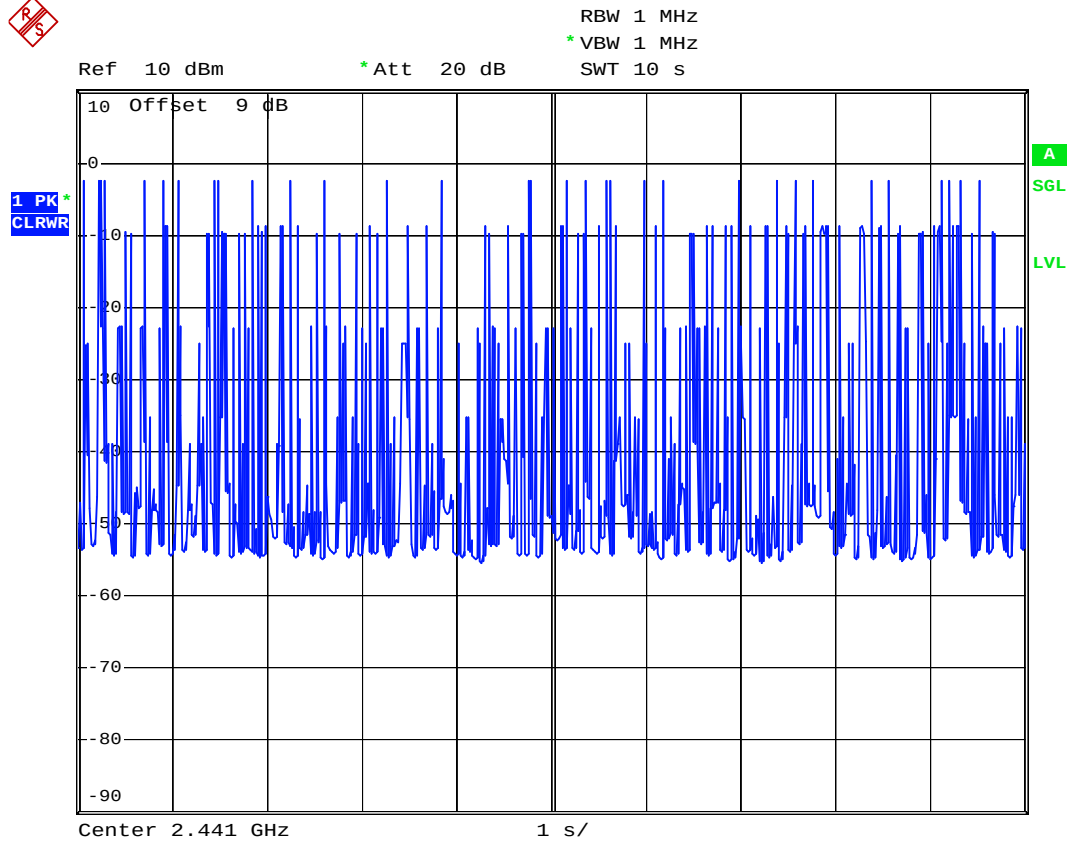
Date: 6.DEC.2006 17:28:05



DH5 (CH39)



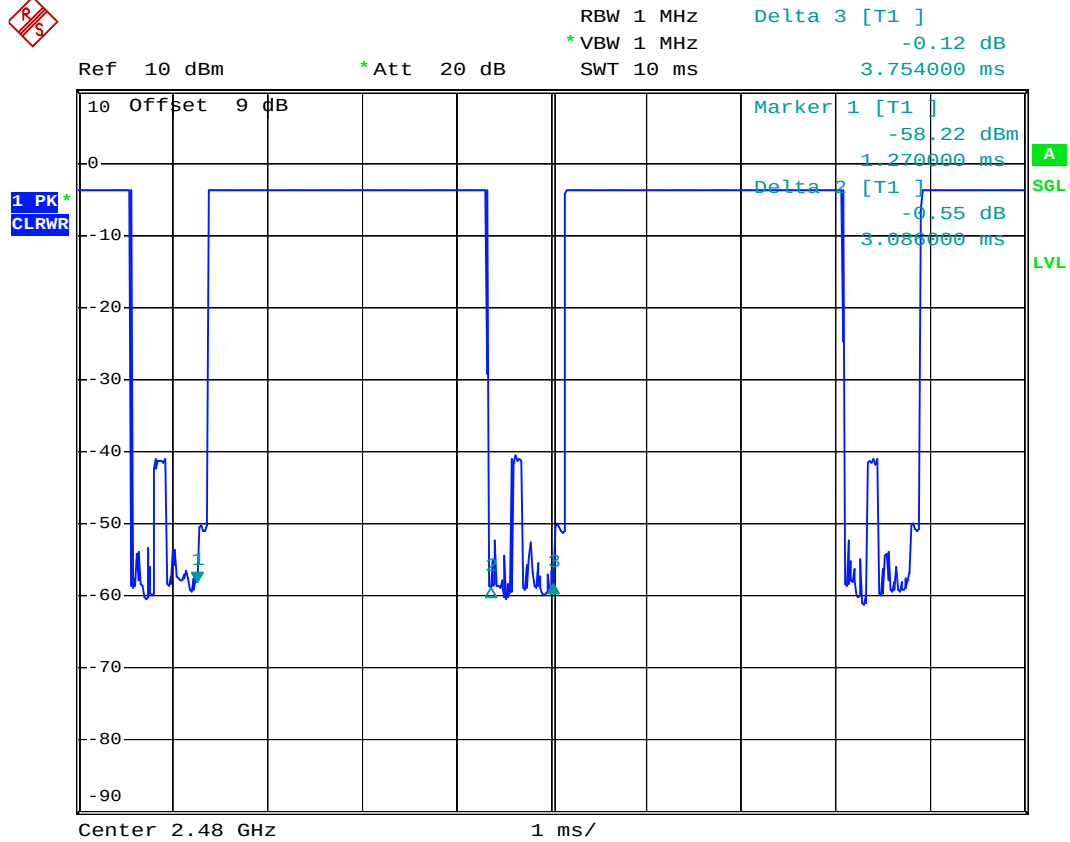
Date: 6.DEC.2006 17:22:14



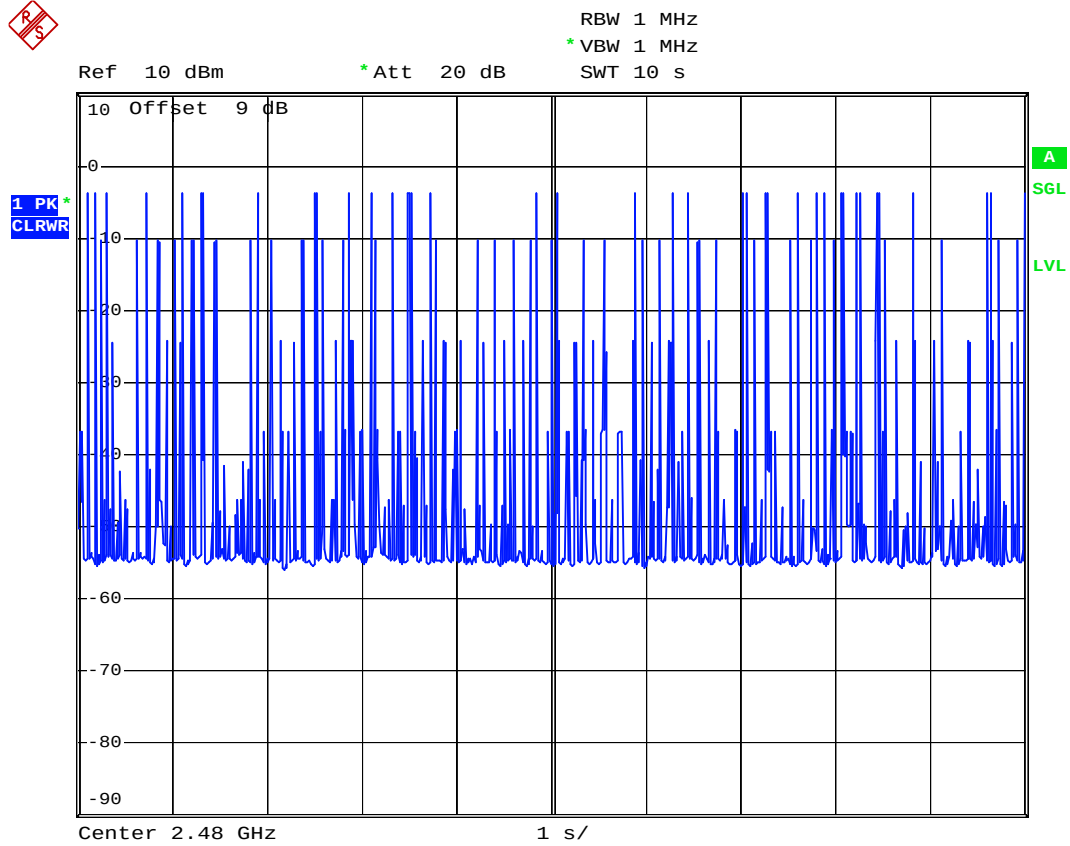
Date: 6.DEC.2006 17:29:25



DH5 (CH78)



Date: 6.DEC.2006 17:22:41



Date: 6.DEC.2006 17:30:19

5.9 Peak Output Power Measurement

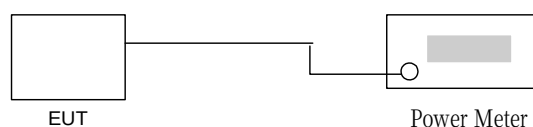
5.9.1 Measuring Instruments :

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 : 25°C
- Relative Humidity : 53%
- Test Enginner : James

WLAN 802.11b

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	13.35	1W/30 dBm
06	2437	14.30	1W/30 dBm
11	2462	14.60	1W/30 dBm

**WLAN 802.11g**

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
01	2412	14.30	1W/30 dBm
06	2437	15.30	1W/30 dBm
11	2462	15.20	1W/30 dBm

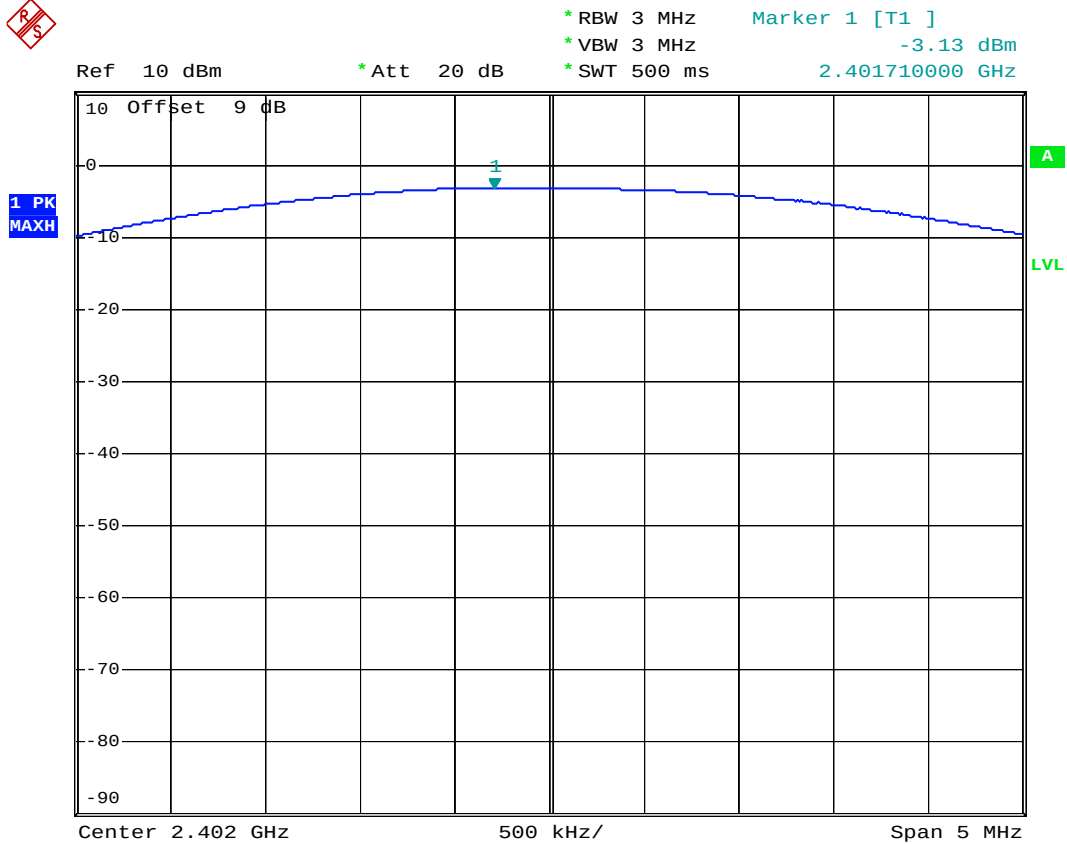
Bluetooth

Channel	Frequency (MHz)	Measured Output Power (dBm)	Limits (Watt/dBm)
00	2402	-3.13	1W/30 dBm
39	2441	-2.21	1W/30 dBm
78	2480	-3.71	1W/30 dBm



5.9.5 Output Power

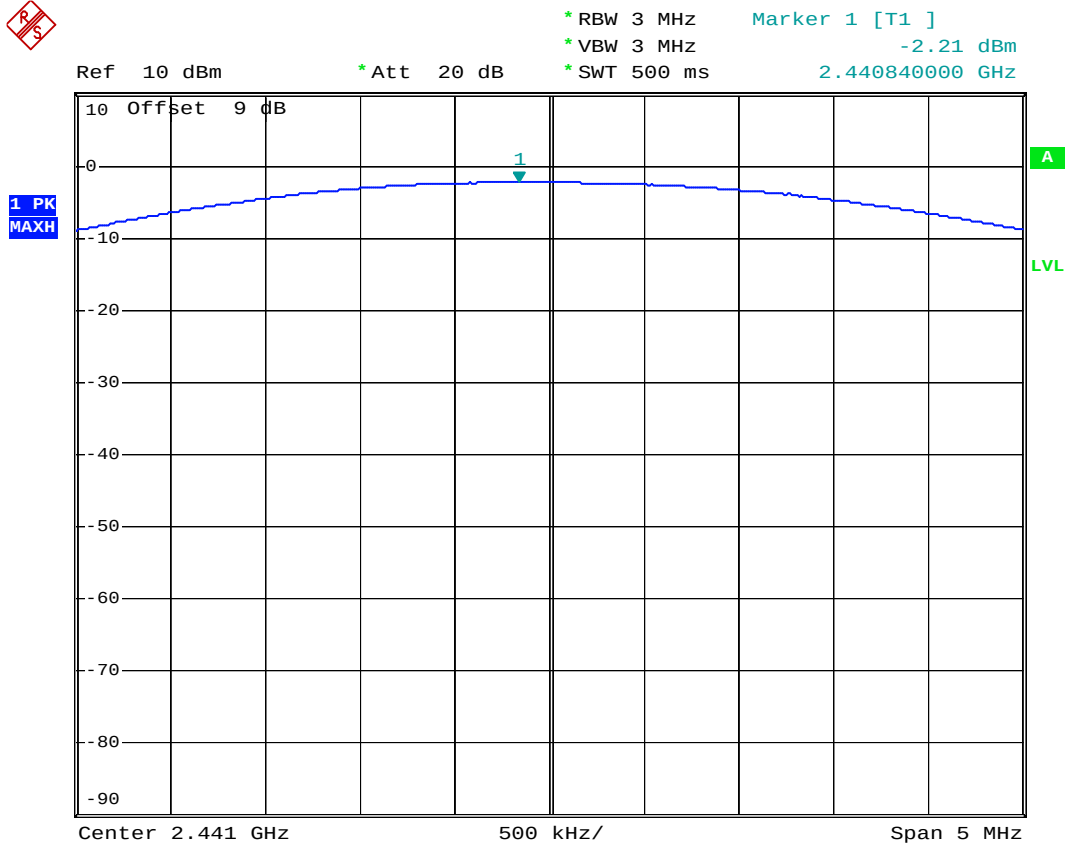
BT Mode : CH00 (2402MHz)



Date: 6.DEC.2006 17:03:26



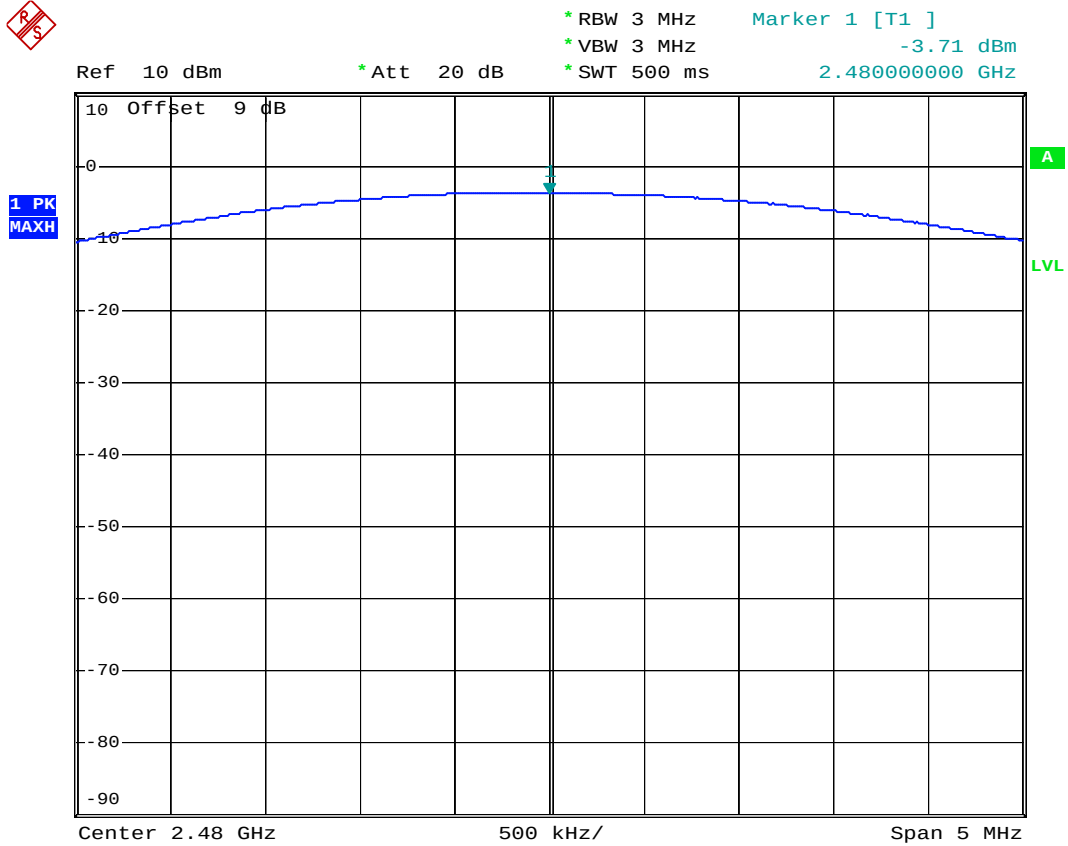
BT Mode : CH39 (2441MHz)



Date: 6.DEC.2006 17:03:51



BT Mode : CH78 (2480MHz)



Date: 6.DEC.2006 17:04:05



5.10 Conducted Emission

5.10.1 Measuring Instruments

As described in chapter 6 of this test Report.

5.10.2 Test Procedures :

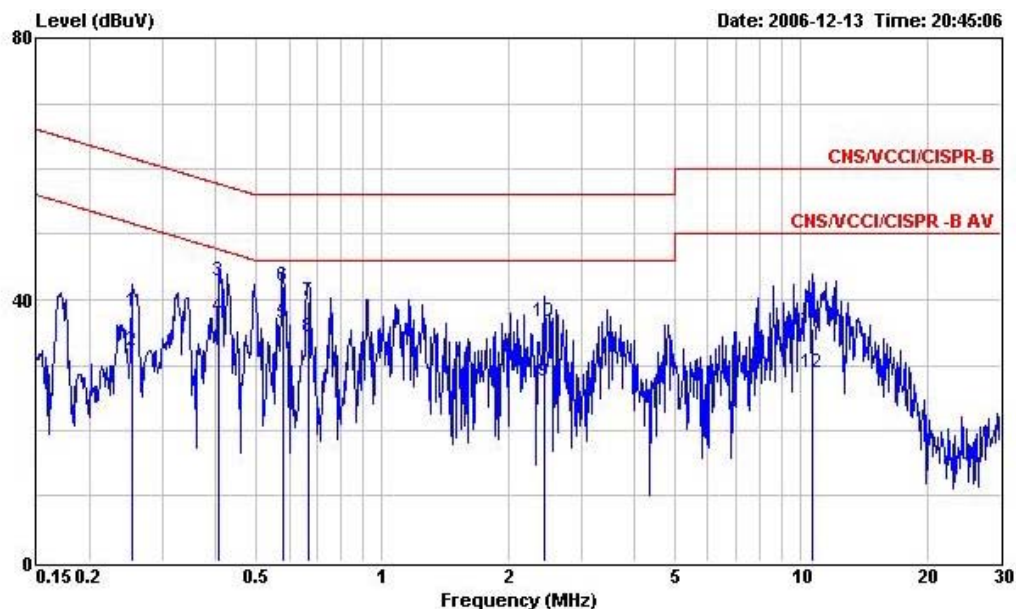
- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power port of a line impedance stabilization network (LISN).
- c. All the support units are connected to the other LISN.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

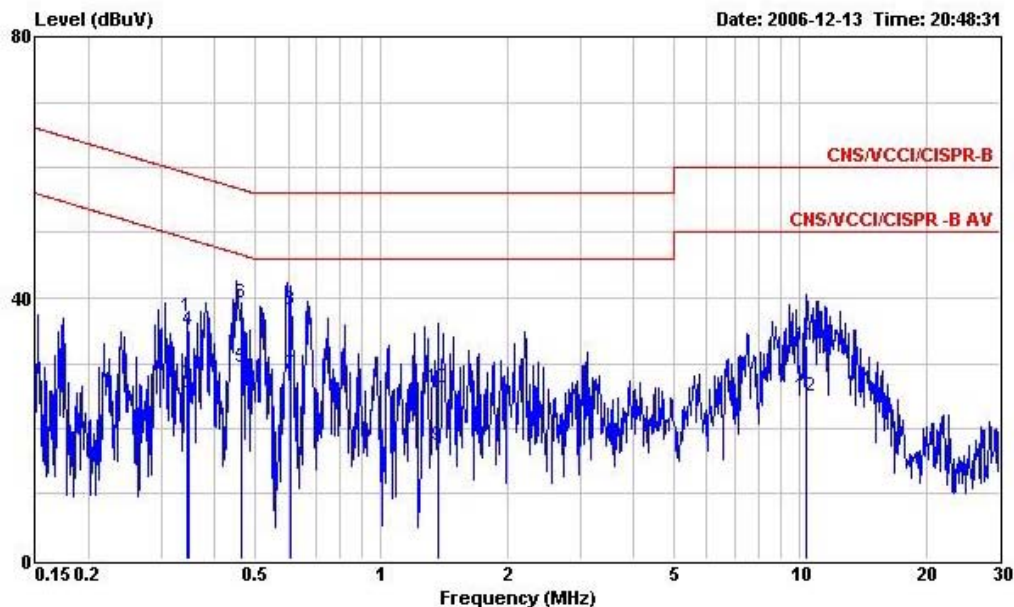
- Temperature : 25°C
- Relative Humidity : 53%
- Test Enginner : Louis
- Test Mode : Mode 1

■ 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 : Mobile Phone
 Power : 120V/60Hz
 Model : FR6N2811
 Memo : IRIS
 Memo : PCS1900 Hde +BT Link+WLAN Link+
 Memo : Earphone+Scanner 1+Adapter+MPEG 4

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV		dB	dBuV	dB	dB	
1	0.253	38.14	-23.52	61.66	37.99	0.10	0.05	QP
2	0.253	32.32	-29.34	61.66	32.17	0.10	0.05	Average
3	0.408	42.89	-14.80	57.69	42.73	0.10	0.06	QP
4	0.408	37.50	-20.19	57.69	37.34	0.10	0.06	Average
5	0.582	36.38	-19.62	56.00	36.20	0.10	0.08	Average
6	0.582	42.14	-13.86	56.00	41.96	0.10	0.08	QP
7	0.668	39.83	-16.17	56.00	39.65	0.10	0.08	QP
8	0.668	34.19	-21.81	56.00	34.01	0.10	0.08	Average
9	2.433	27.43	-28.57	56.00	27.23	0.13	0.07	Average
10	2.433	36.72	-19.28	56.00	36.52	0.13	0.07	QP
11	10.620	35.66	-24.34	60.00	35.27	0.30	0.09	QP
12	10.620	28.89	-31.11	60.00	28.50	0.30	0.09	Average



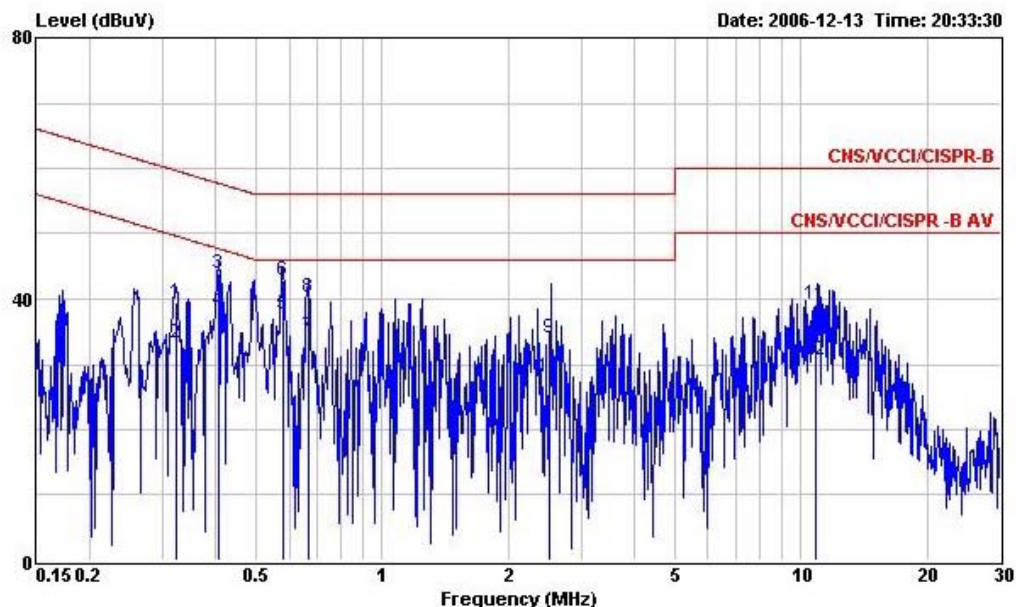
Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL
EUT : Mobile Phone
Power : 120V/60Hz
Model : FR6N2811
Memo : IRIS
Memo : PCS1900 Hde +BT Link+WLAN Link+
Memo : Earphone+Scanner 1+Adapter+MPEG 4

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV		dB	dBuV	dB	dB	
1	0.346	37.02	-22.05	59.07	36.86	0.10	0.06	QP
2	0.346	26.69	-22.38	49.07	26.53	0.10	0.06	Average
3	0.348	25.39	-23.62	49.01	25.23	0.10	0.06	Average
4	0.348	35.03	-23.98	59.01	34.87	0.10	0.06	QP
5	0.466	29.44	-17.15	46.59	29.27	0.10	0.07	Average
6	0.466	39.26	-17.33	56.59	39.09	0.10	0.07	QP
7	0.610	28.36	-17.64	46.00	28.18	0.10	0.08	Average
8	0.610	38.08	-17.92	56.00	37.90	0.10	0.08	QP
9	1.370	17.35	-28.65	46.00	17.16	0.10	0.09	Average
10	1.370	26.36	-29.64	56.00	26.17	0.10	0.09	QP
11	10.400	32.68	-27.32	60.00	32.39	0.21	0.08	QP
12	10.400	24.88	-25.12	50.00	24.59	0.21	0.08	Average



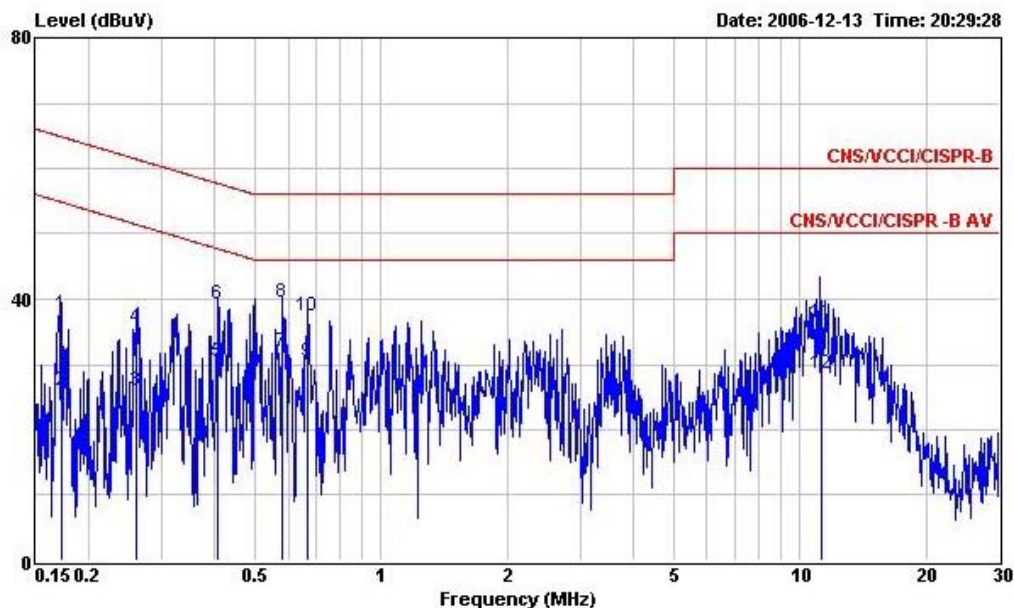
- Temperature : 25°C
- Relative Humidity : 53%
- Test Enginner : Louis
- Test Mode : Mode 2

■ 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 : Mobile Phone
Power : 120V/50Hz
Model : FR6N2811
Memo : IRIS
Memo : PCS1900 Ilde +BT Link+WLAN Link+
Memo : Earphone+Scanner 2+Adapter+MPEG 4

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.323	39.52	-20.11	59.63	39.21	0.10	0.21	QP
2	0.323	33.34	-16.29	49.63	33.03	0.10	0.21	Average
3	0.408	43.93	-13.76	57.69	43.60	0.10	0.23	QP
4	0.408	38.21	-9.48	47.69	37.88	0.10	0.23	Average
5	0.579	37.77	-8.23	46.00	37.50	0.10	0.17	Average
6	0.579	42.82	-13.18	56.00	42.55	0.10	0.17	QP
7	0.668	34.19	-11.81	46.00	33.94	0.10	0.15	Average
8	0.668	40.22	-15.78	56.00	39.97	0.10	0.15	QP
9	2.514	34.08	-21.92	56.00	33.92	0.13	0.03	QP
10	2.514	27.99	-18.01	46.00	27.83	0.13	0.03	Average
11	10.871	39.29	-20.71	60.00	38.85	0.30	0.14	QP
12	10.871	30.55	-19.45	50.00	30.11	0.30	0.14	Average



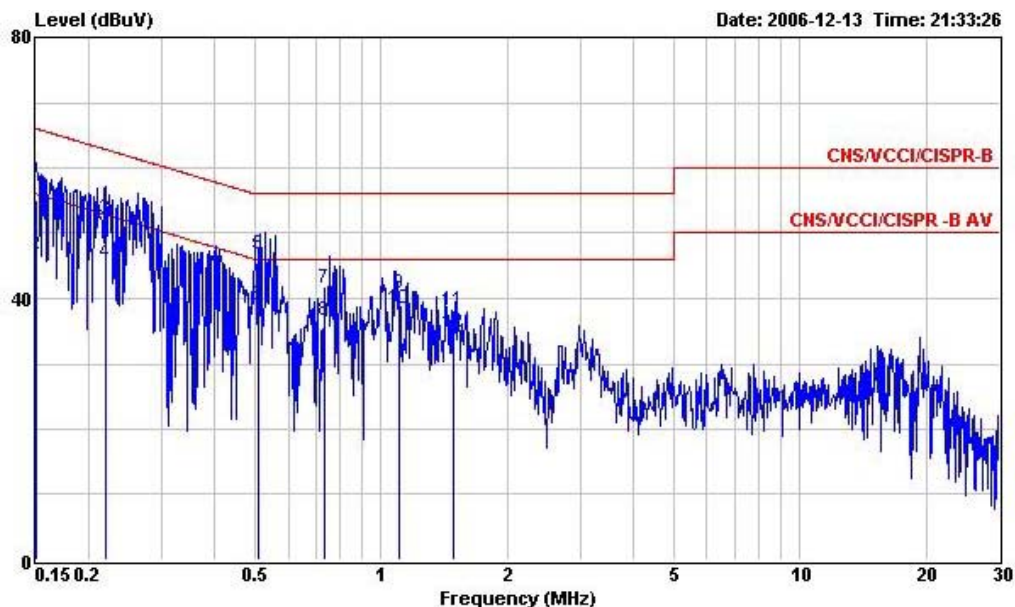
Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL
EUT : Mobile Phone
Power : 120V/60Hz
Model : FR6N2811
Memo : IRIS
Memo : PCS1900 Hde +BT Link+WLAN Link+
Memo : Earphone+Scanner 2+Adapter+MPEG 4

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.172	37.75	-27.11	64.86	37.51	0.10	0.14	QP
2	0.172	26.07	-28.79	54.86	25.83	0.10	0.14	Average
3	0.261	25.94	-25.47	51.41	25.64	0.10	0.20	Average
4	0.261	35.49	-25.92	61.41	35.19	0.10	0.20	QP
5	0.406	30.31	-17.42	47.73	29.98	0.10	0.23	Average
6	0.406	39.32	-18.41	57.73	38.99	0.10	0.23	QP
7	0.582	31.96	-14.04	46.00	31.69	0.10	0.17	Average
8	0.582	39.57	-16.43	56.00	39.30	0.10	0.17	QP
9	0.668	30.43	-15.57	46.00	30.18	0.10	0.15	Average
10	0.668	37.33	-18.67	56.00	37.08	0.10	0.15	QP
11	11.231	36.40	-23.60	60.00	36.02	0.23	0.15	QP
12	11.231	28.54	-21.46	50.00	28.16	0.23	0.15	Average



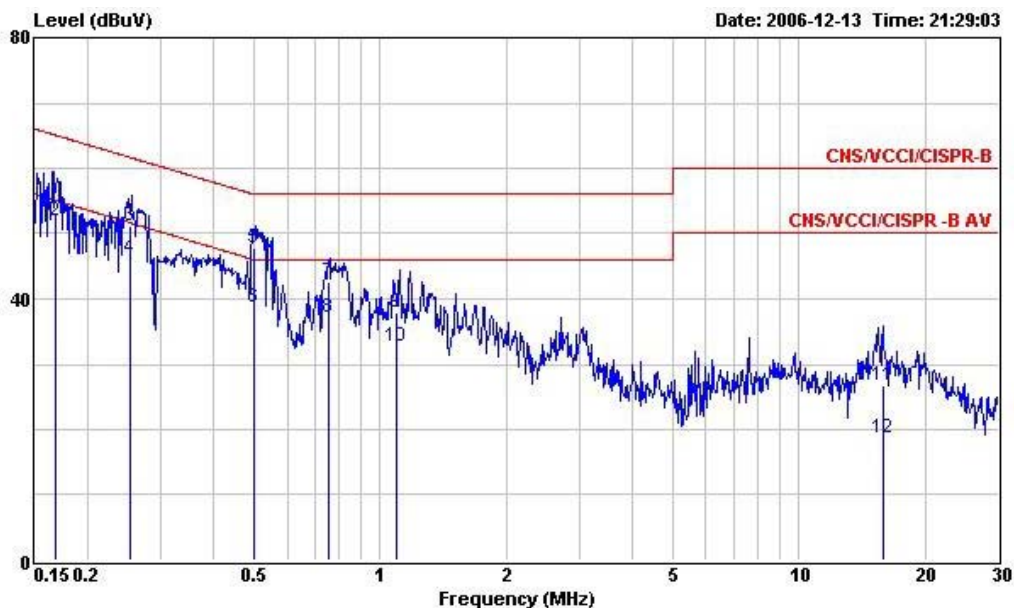
- Temperature : 25°C
- Relative Humidity : 53%
- Test Enginner : Louis
- Test Mode : Mode 3

■ 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 : Mobile Phone
Power : 120V/50Hz
Model : FR6N2811
Memo : IRIS
Memo : PCS1900 Hde +BT Link+WLAN Link+
Memo : Bearphone+Scanner 2+MPEG 4+USB Link

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	55.12	-10.88	66.00	54.91	0.10	0.11	QP
2	0.150	46.78	-9.22	56.00	46.57	0.10	0.11	Average
3	0.220	52.34	-10.48	62.82	52.05	0.10	0.19	QP
4	0.220	45.36	-7.46	52.82	45.07	0.10	0.19	Average
5	0.511	46.77	-9.23	56.00	46.48	0.10	0.19	QP
6	0.511	38.97	-7.03	46.00	38.68	0.10	0.19	Average
7	0.732	41.67	-14.33	56.00	41.44	0.10	0.13	QP
8	0.732	36.65	-9.35	46.00	36.42	0.10	0.13	Average
9	1.105	40.72	-15.28	56.00	40.55	0.10	0.07	QP
10	1.105	38.45	-7.55	46.00	38.28	0.10	0.07	Average
11	1.485	38.28	-17.72	56.00	38.13	0.10	0.05	QP
12	1.485	34.72	-11.28	46.00	34.57	0.10	0.05	Average



Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL
EUT : Mobile Phone
Power : 120V/60Hz
Model : FR6N2811
Memo : IRIS
Memo : PCS1900 Hde +BT Link+WLAN Link+
Memo : Earphone+Scanner 2+MPEG 4+USB Link

	Freq	Level	Over	Limit	Read	Probe	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
1	0.167	52.96	-12.15	65.11	52.72	0.10	0.14	QP
2	0.167	52.04	-13.07	65.11	51.80	0.10	0.14	Average
3	0.252	51.18	-10.50	61.68	50.88	0.10	0.20	QP
4	0.252	46.17	-15.51	61.68	45.87	0.10	0.20	Average
5	0.502	47.68	-8.32	56.00	47.39	0.10	0.19	QP
6	0.502	38.61	-17.39	56.00	38.32	0.10	0.19	Average
7	0.754	42.61	-13.39	56.00	42.38	0.10	0.13	QP
8	0.754	37.24	-18.76	56.00	37.01	0.10	0.13	Average
9	1.096	38.02	-17.98	56.00	37.85	0.10	0.07	QP
10	1.096	32.62	-23.38	56.00	32.45	0.10	0.07	Average
11	15.890	26.81	-33.19	60.00	26.32	0.32	0.17	QP
12	15.890	18.78	-41.22	60.00	18.29	0.32	0.17	Average

5.11 Radiated Emission Measurement

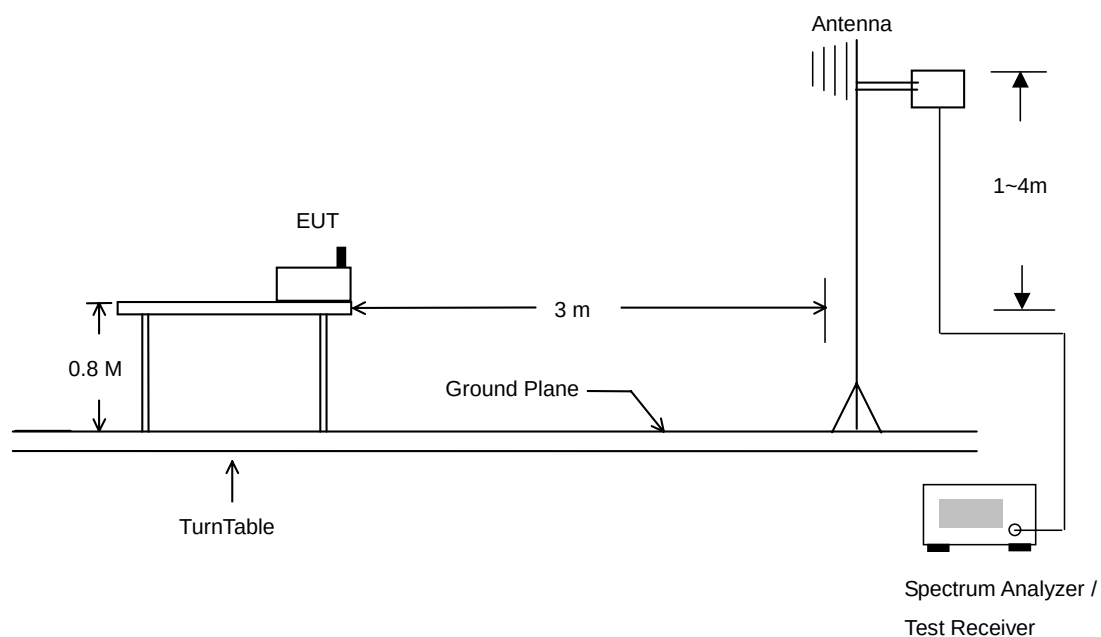
5.11.1 Measuring Instruments

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

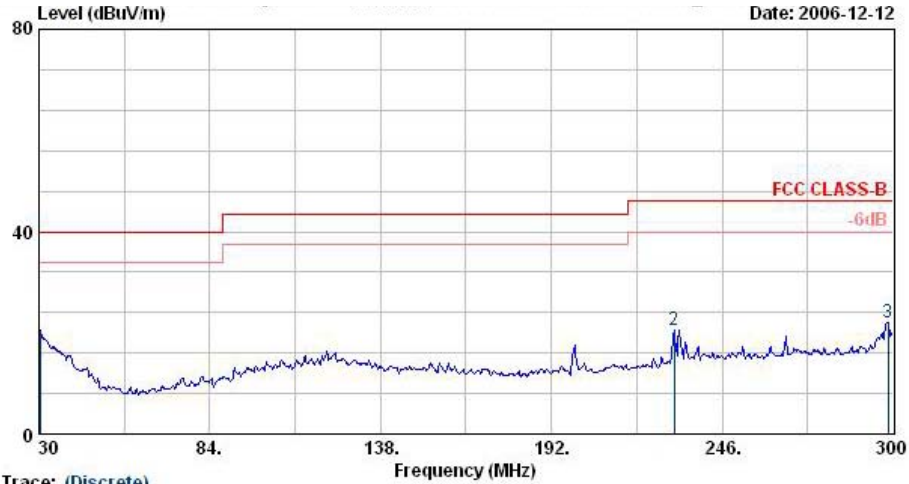




5.11.4 Test Data

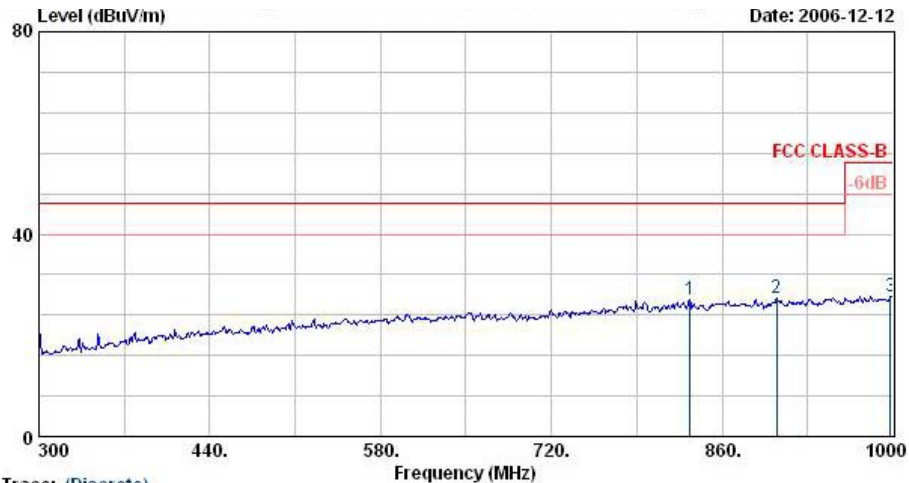
- Temperature : 26°C
- Relative Humidity : 51%
- Test Enginner : Andrew
- Test Mode : Mode 1
- Polarization : Horizontal

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



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LF-ANT(951121) HORIZONTAL
 EUT : Mobile Phone
 Power : 120Wac/60Hz
 Model : FR 6N2811
 Mode : 11b Tx_CHAN1:2412MHz
 Plane : E2
 Data Rate : 11

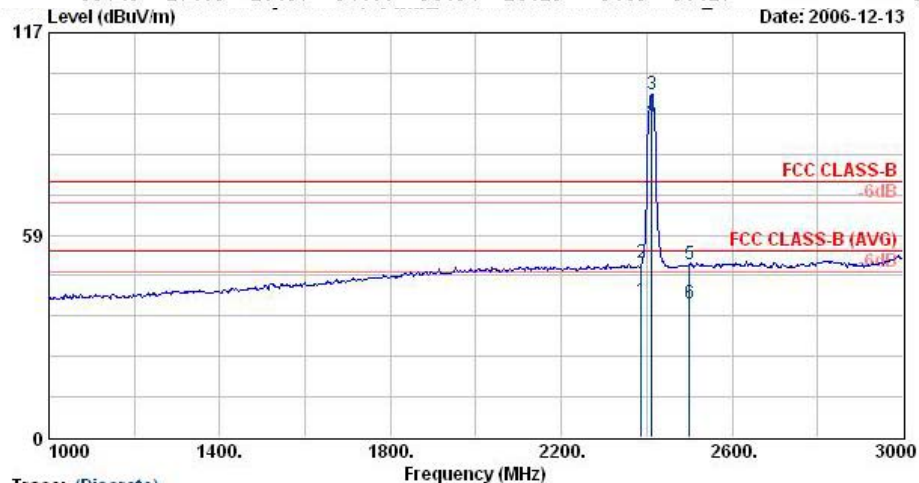
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	Remark
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	30.3	20.57	-19.43	40.00	31.53	19.66	0.84	31.46	---	Peak
2	230.9	20.66	-25.34	46.00	38.24	11.13	2.22	30.93	---	Peak
3	298.4	22.07	-23.93	46.00	37.19	13.19	2.63	30.94	---	Peak



Trace: (Discrete)

Site : 03CH06-HY
Condition : LF-ANT(951121) HORIZONTAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11

	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	dB	cm	deg	
1	833.4	27.17	-18.83	46.00	32.93	20.05	4.64	30.45	---	Peak
2	904.8	27.42	-18.58	46.00	32.39	20.56	4.83	30.36	100	Peak
3	997.9	27.63	-26.37	54.00	31.54	21.23	5.13	30.27	---	Peak



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11

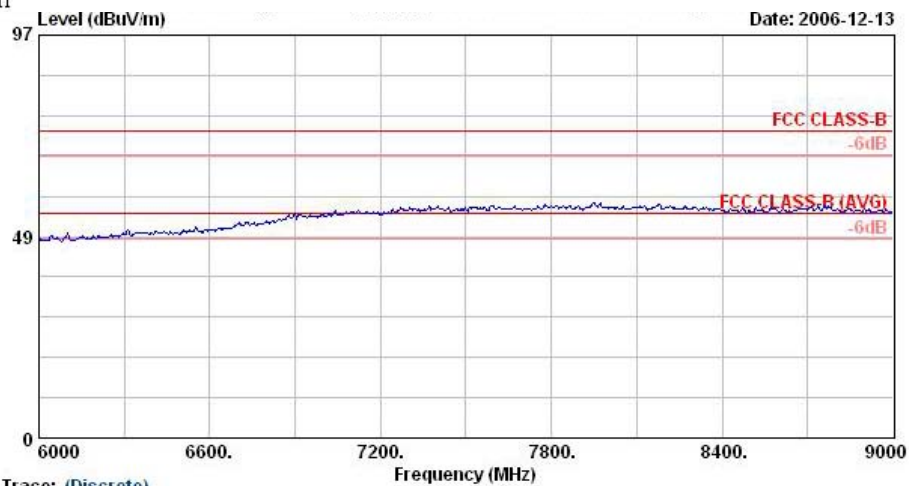
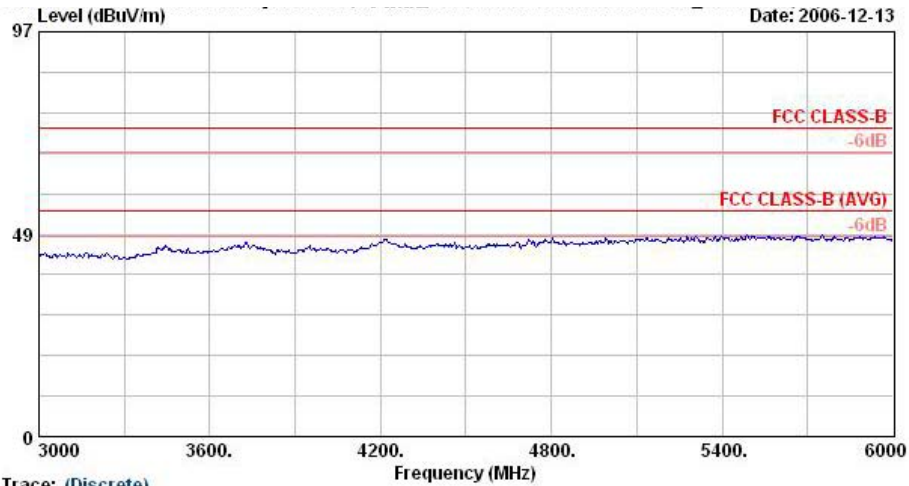
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	2388.0	39.76	-14.24	54.00	41.19	30.26	3.75	35.44	100	119 Average
2	2388.0	50.24	-23.76	74.00	51.69	30.26	3.75	35.46	100	0 Peak
3 @	2412.0	99.23			100.65	30.27	3.77	35.46	100	0 Peak
4 @	2412.0	92.50			93.92	30.27	3.77	35.46	100	119 Average
5	2500.0	50.06	-23.94	74.00	51.40	30.30	3.88	35.53	100	0 Peak
6 @	2500.0	38.68	-15.32	54.00	40.03	30.30	3.88	35.53	100	119 Average

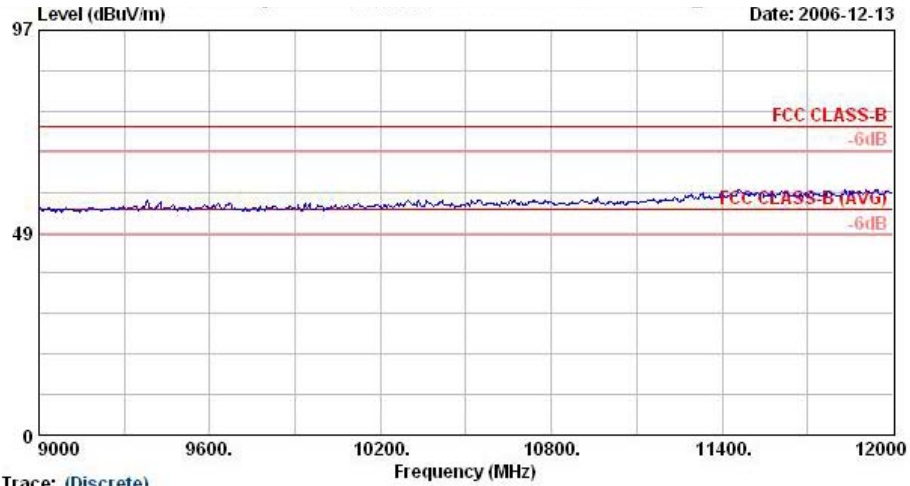
Remark: #3 and #4 Fundamental Signal.



FCC TEST REPORT

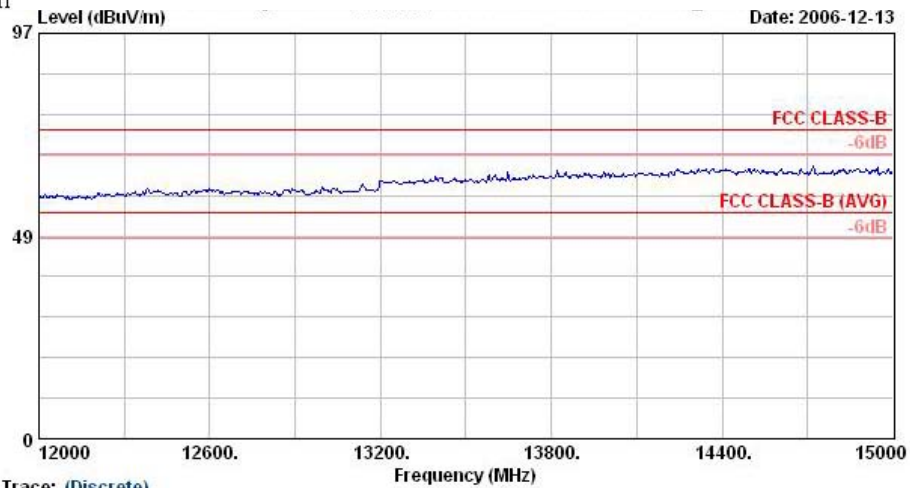
Report No. : FR6N2811





Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11



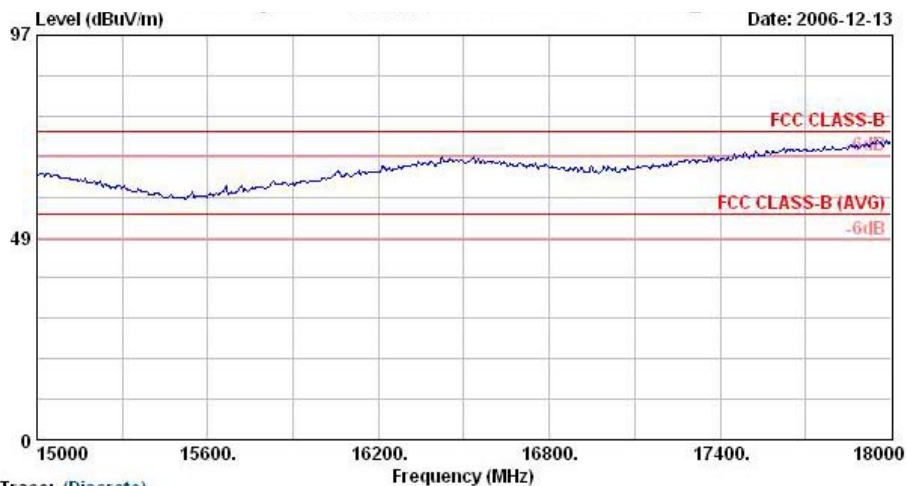
Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11



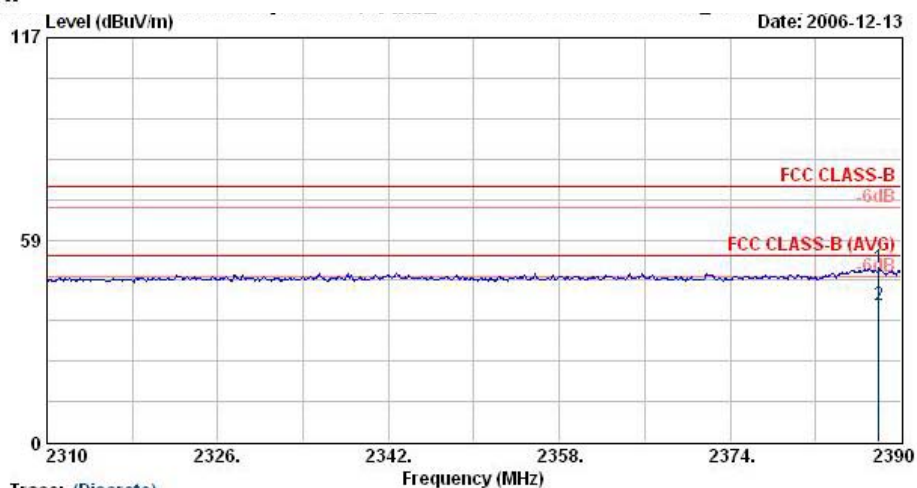
FCC TEST REPORT

Report No. : FR6N2811



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : Mobile Phone
Power : 120W_{ac}/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01_2412MHz
Plane : E2
Data Rate : 11



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-ANT-060410 HORIZONTAL
EUT : Mobile Phone
Power : 120W_{ac}/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01_2412MHz
Plane : E2
Data Rate : 11

	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	dB	cm	deg	
1	2387.9	50.24	-23.76	74.00	51.67	30.26	3.75	35.44	100	0 Peak
2 @	2387.9	39.76	-14.24	54.00	41.19	30.26	3.75	35.44	100	119 Average

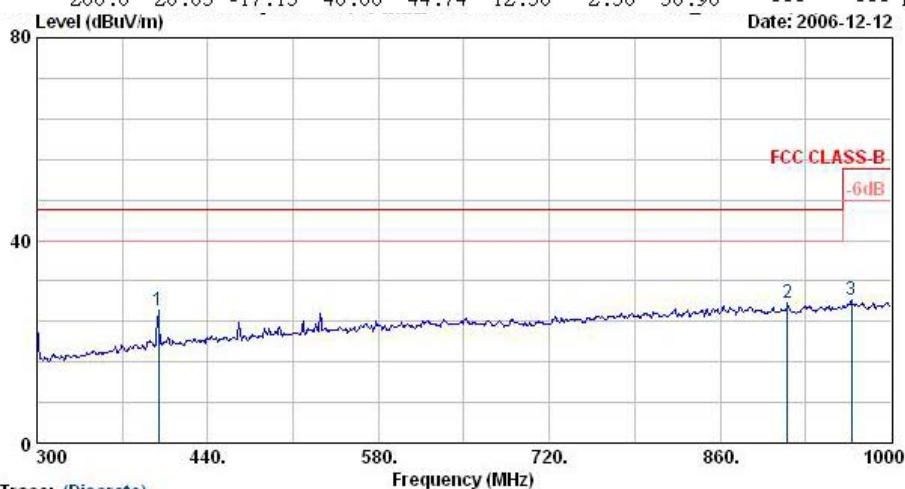


- Polarization : Vertical

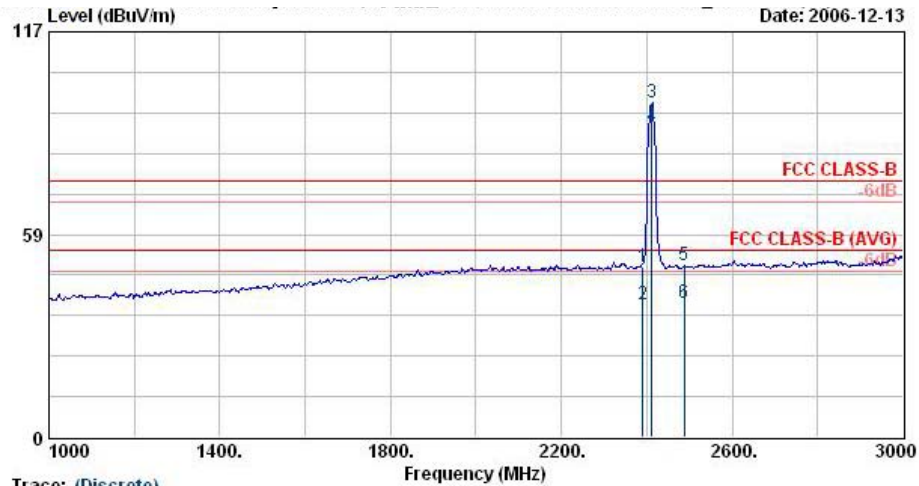
■ The test that passed at minimum margin was marked by the frame in the following table.



	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	31.1	22.93	-17.07	40.00	34.55	18.95	0.85	31.43	100	198	Peak
2	239.0	23.83	-22.17	46.00	40.87	11.58	2.31	30.93	---	---	Peak
3	266.0	28.85	-17.15	46.00	44.74	12.56	2.50	30.96	---	---	Peak



	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	399.4	26.20	-19.80	46.00	38.21	15.76	3.09	30.86	---	---	Peak
2	915.3	27.65	-18.35	46.00	32.49	20.64	4.86	30.34	---	---	Peak
3	967.8	28.13	-25.87	54.00	32.37	21.01	5.03	30.28	---	---	Peak

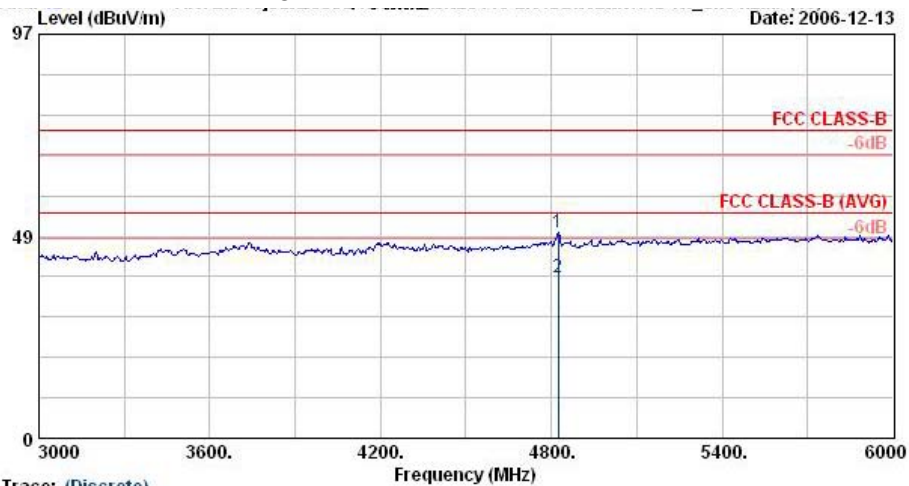


Trace: (Discrete)

Site : 08CH06-HY
Condition : HP-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2390.0	49.15	-24.85	74.00	50.64	30.23	3.69	35.40	100	0 Peak
2	2390.0	38.32	-15.68	54.00	39.77	30.26	3.75	35.46	104	73 Average
3 @	2412.0	96.53			97.95	30.27	3.77	35.46	100	0 Peak
4 @	2412.0	89.74			91.16	30.27	3.77	35.46	104	73 Average
5	2488.0	49.48	-24.52	74.00	50.83	30.30	3.86	35.51	100	0 Peak
6 @	2488.0	38.76	-15.24	54.00	40.11	30.30	3.86	35.51	104	73 Average

Remark: #3 and #4 Fundamental Signal



Trace: (Discrete)

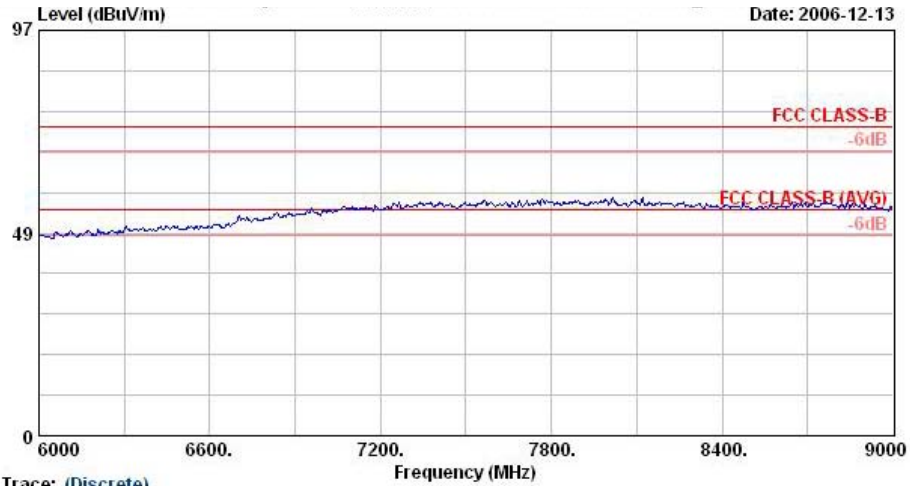
Site : 08CH06-HY
Condition : HP-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	4824.0	49.36	-24.64	74.00	46.69	32.94	5.84	36.12	100	0 Peak
2 @	4824.0	38.44	-15.56	54.00	35.77	32.94	5.84	36.12	100	188 Average



FCC TEST REPORT

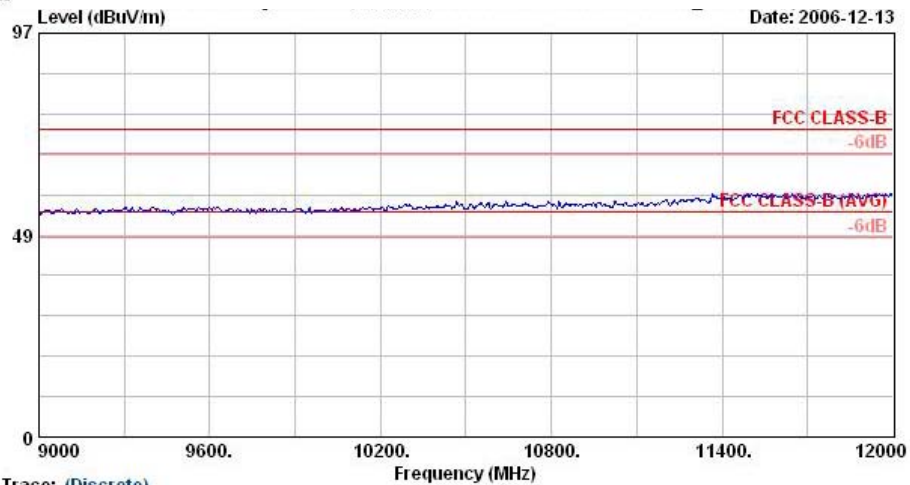
Report No. : FR6N2811



Trace: (Discrete)

Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120W_{ac}/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01_2412MHz
Plane : E2
Data Rate : 11

Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120W_{ac}/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01_2412MHz
Plane : E2
Data Rate : 11



Trace: (Discrete)

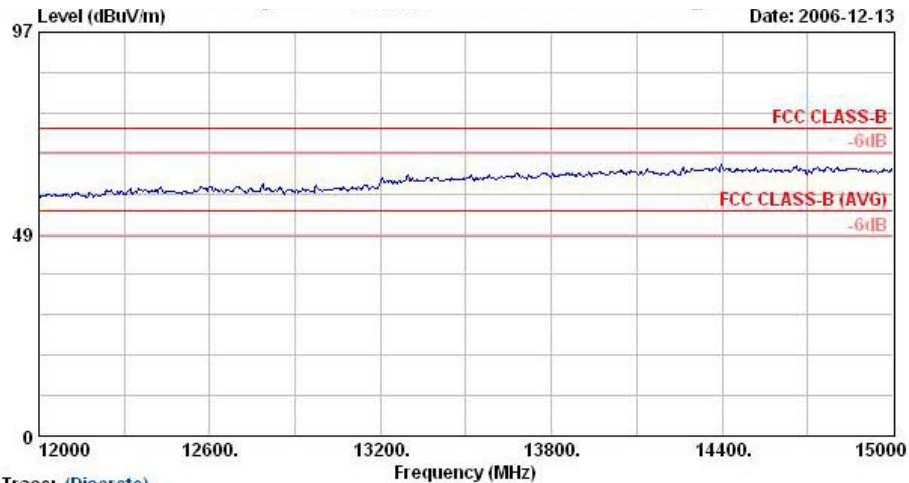
Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120W_{ac}/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01_2412MHz
Plane : E2
Data Rate : 11

Site : 03CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120W_{ac}/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01_2412MHz
Plane : E2
Data Rate : 11



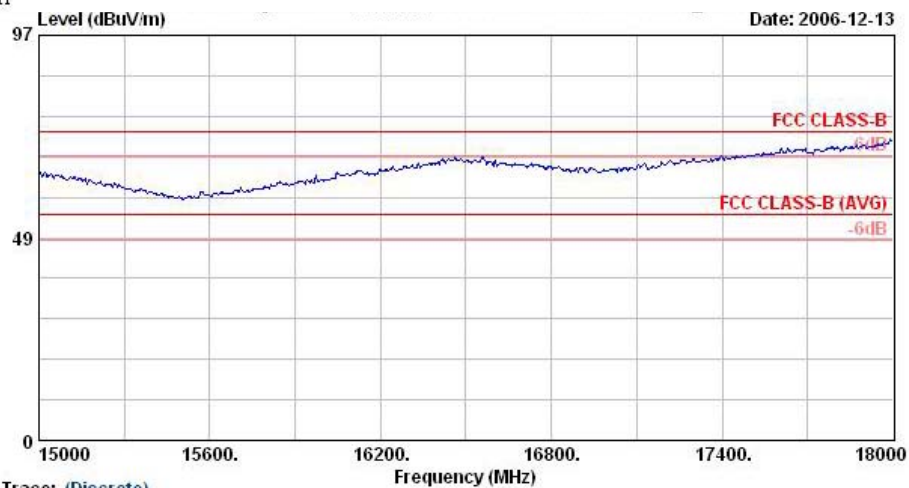
FCC TEST REPORT

Report No. : FR6N2811



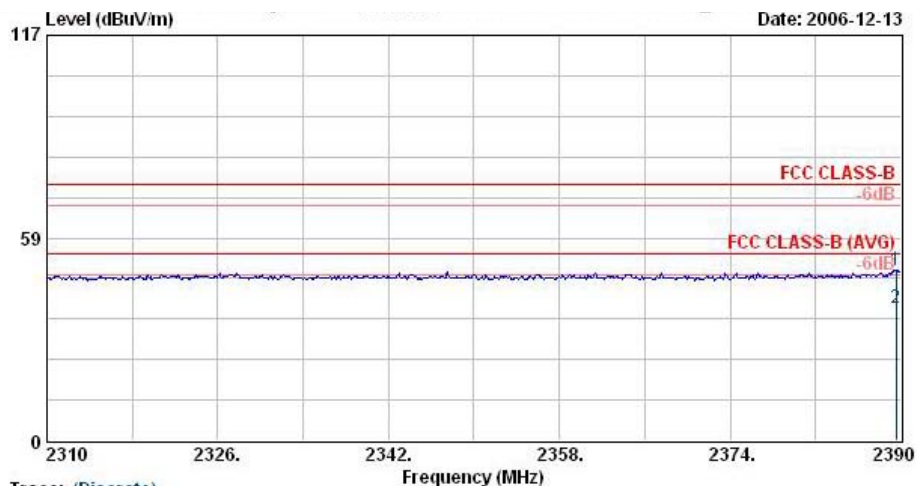
Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11



Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120Wac/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01,2412MHz
Plane : E2
Data Rate : 11



Trace: (Discrete)

Site : 08CH06-HY
Condition : HF-ANT-060410 VERTICAL
EUT : Mobile Phone
Power : 120W_{ac}/60Hz
Model : FR 6N2811
Mode : 11b Tx_Ch01_2412MHz
Plane : E2
Data Rate : 11

	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	dB	cm	deg	
1	2389.5	49.15	-24.85	74.00	50.58	30.26	3.75	35.44	100	0 Peak
2 @	2389.5	38.32	-15.68	54.00	39.75	30.26	3.75	35.44	104	73 Average

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