FCC TEST REPORT

Report No.

: FR760116-01

for

47 CFR Part 15 Subpart C

Equipment: 3.5G HSDPA/UMTS/GSM900/DCS1800/PCS1900

PDA Phone

Trade Name : O₂

Model No. : Xda Denim

FCC ID : UJU9QDENIM000

Filing Type : Certification

Applicant : GIGA-BYTE Communications Inc.

8F., No.43, Fu-Hsin Road, Hsin-Tien, Taipei Hsien, Taiwan,

R.O.C.

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- Certificate or Test Report must not be used by the applicant to claim the product in this test report endorsement by NVLAP or any agency of U.S. government.
- The data shown in this test report were carried out on Jun. 15, 2007 at Sporton International Inc. LAB.
- Report No.: FR760116-01, Report Version: Rev. 02.

Deputy Manager

SPORTON International Inc.

6F, No.106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Report Version: Rev. 02

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History of this test report

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Report Issue Date: Jul. 10, 2007

Report No.	Description

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1. General Description of Equipment under Test

1.1 Applicant

GIGA-BYTE Communications Inc.

8F., No.43, Fu-Hsin Road, Hsin-Tien, Taipei Hsien, Taiwan, R.O.C.

1.2 Manufacturer

GIGA-BYTE TECHNOLOGY CO., LTD.

No.18, Gongye 1st Rd., Pingjhen City, Taoyuan County 324, Taiwan (R.O.C.)

1.3 Basic Description of Equipment under Test

Equipment : 3.5G HSDPA/UMTS/GSM900/DCS1800/PCS1900 PDA Phone

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Trade Name : O₂

Model No. : Xda Denim

FCC ID : UJU9QDENIM000

Power Supply Type : Switching, From Battery 3.7V

AC Power Cord : AC 120V, Wall-mount, 1.8 meter, 2 pin

Adapter : PHIHONG, PSC05R-050 PH

Battery : Simplo, XP-13

Earphone : Xu Sheng, EE-624P-8EN USB cable : L&K, 12CBL-037-0011

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1.4 Feature of Equipment under Test

	Product Feature & Specification						
4	Time of Madulation	WLAN: DSSS / OFDM					
1.	Type of Modulation	Bluetooth: GFSK					
2	Number of Channels	WLAN: 11 Channels					
2.	Number of Charmers	Bluetooth: 79 Channels					
3.	Frequency Band	WLAN: 2400MHz~2483.5MHz					
3.	Frequency Band	Bluetooth: 2400MHz~2483.5MHz					
4.	Carrier Frequency of each channel	WLAN: 2412+(n-1) * 5MHz; n=1-11					
4.	Carrier Frequency of each charmer	Bluetooth: 2402+ n*1 MHz, n= 0~78					
5.	Channel Spacing	WLAN: 5MHz					
5.	Charmer Spacing	Bluetooth: 1MHz					
6.	Maximum Output Power to Antenna	802.11b : 15.02 dBm / 802.11g: 18.74 dBm					
	(Normal Condition)	Bluetooth: 1.16 dBm					
7.	HW Version	V0.5					
8.	SW Version	WWE_B01.010					
9.	Type of Antenna Connector	N/A					
10.	Antenna Type	Chip Antenna					
11	Antonna Cain	802.11b/g : -8 dBi					
11.	Antenna Gain	BT : -7 dBi					
12.	Function Type	Transmitter Transceiver V					

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2 Test Configuration of Equipment under Test

2.1 Test Manner

a. 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.

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- b. For spurious emission below 1GHz, only one channel of each application was tested because it is not related to channel selection.
- c. The EUT is programmed to transmit signal continuously for all testings.
- d. Frequency range investigated: conduction 150 kHz to 30 MHz, radiation 30 MHz to 25000MHz.

2.2 Test Mode

Application					
	802.11b	802.11g	вт		
Radiated	Mode 1: CH01_2412 MHz	Mode 4: CH01_2412 MHz	Mode 7: CH00_2402 MHz		
Emission	Mode 2: CH06_2437 MHz	Mode 5: CH06_2437 MHz	Mode 8: CH39_2441 MHz		
	Mode 3: CH11_2462 MHz	Mode 6: CH11_2462 MHz	Mode 9: CH78_2480 MHz		
Conducted Mode 1: PCS1900 Idle Mode + BT Link + WLAN Link + Earphone + Camera + MPEG4 +					
Emission	amera + MPEG4 + USB Link				

2.3 Ancillary Equipment List

Item	Asset	Model Name	FCC ID	Power Cord
1.	Notebook	D400	E2K24GBRL	1.2m
2.	WLAN AP (SMC)	SMC-100	HEDWG4005ACC	1.8m
3.	Bluetooth Earphone	WDT-JD-100	N/A	N/A
4.	Base Station (R&S)	CMU200	N/A	N/A
5.	BT Base Station (Anritus)	8852A	N/A	N/A
6.	RS-232 (State)	MS-30S	N/A	1.8 meter

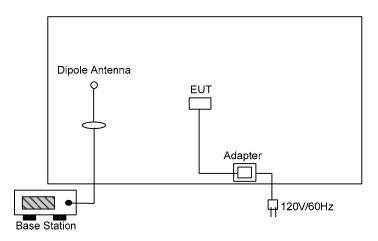
SPORTON International Inc.

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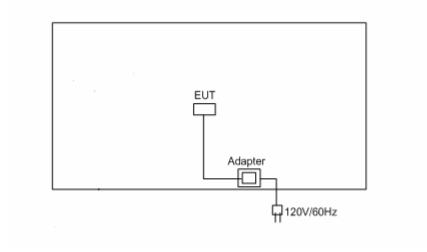
2.4 Connection Diagram of Test System

<Radiated Emission >

Bluetooth



WLAN



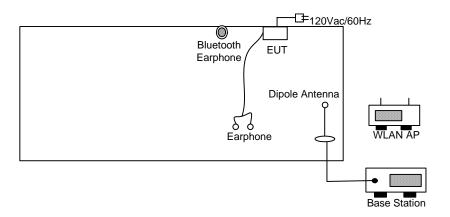
SPORTON International Inc.

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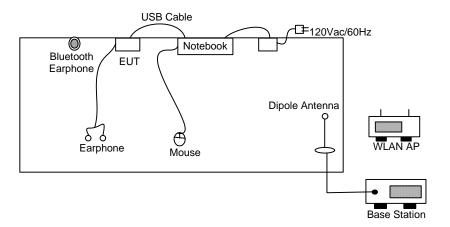
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<Conducted Emission>

Mode 1



Mode 2



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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.

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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.

Report No.

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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

4.5 Test Distance

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

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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

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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
<u>15.247(a)(</u> 1)(iii)	Number of Hopping Frequency Used	Pass
15.247(a)(1)(iii)	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
15.203 15.247(b)(4)	Antenna Requirement	Pass

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5.2 6dB Bandwidth Measurement

5.2.1 Measuring Instruments:

As described in chapter 6 of this test report.

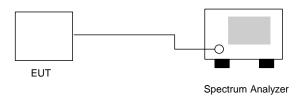
5.2.2 Test Procedure:

- 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.

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5.2.3 Test Setup Layout:



5.2.4 Test Result:

Application Type: WLAN 802.11b/g

Temperature : 26~27

Relative Humidity : 51~53%Test Enginner : ____Tony__

802.11b

Channel	Frequency	6dB Emission bandwidth	Limits	Plot
	(MHz)	(MHz)	(MHz)	Ref. No.
01	2412	9.52	> 0.5MHz	Mode 1
06	2437	9.52	> 0.5MHz	Mode 2
11	2462	9.52	> 0.5MHz	Mode 3

802.11g

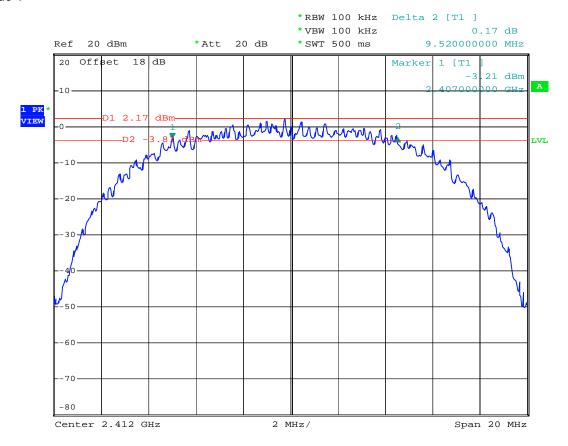
Channel	Frequency 6dB Emission bandwidth		Limits	Plot
	(MHz)	(MHz)	(MHz)	Ref. No.
01	2412	16.52	> 0.5MHz	Mode 4
06	2437	16.48	> 0.5MHz	Mode 5
11	2462	16.48	> 0.5MHz	Mode 6

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5.2.5 6dB Bandwidth

Mode 1



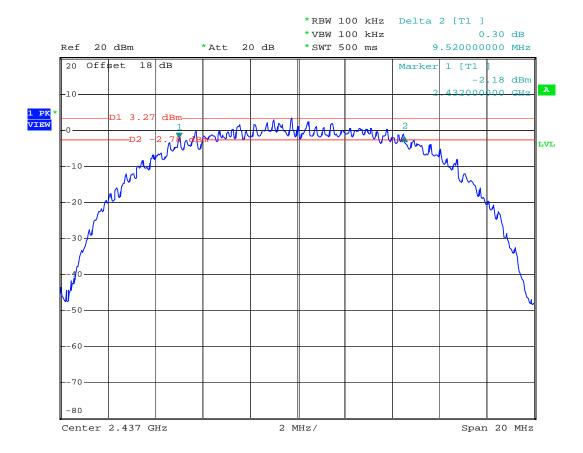
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Mode 2



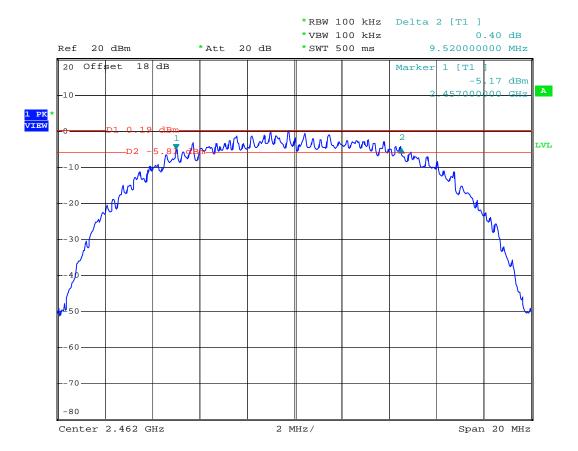
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SPORTON International Inc.

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Mode 3



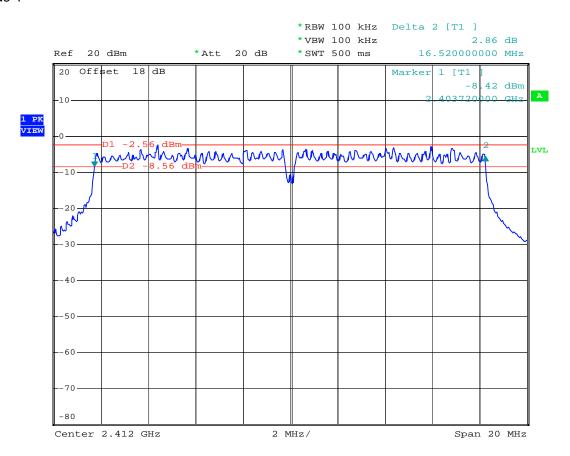
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SPORTON International Inc.

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Mode 4

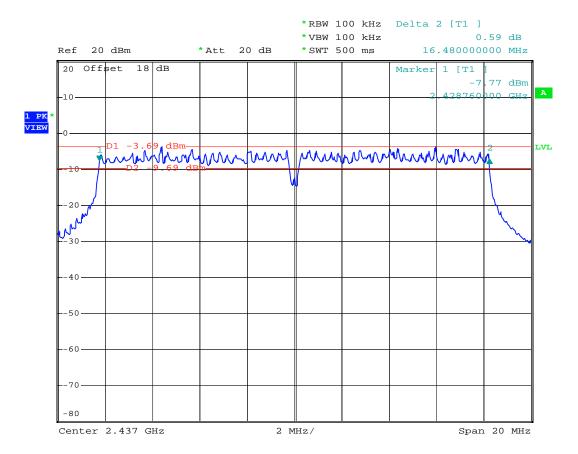


Date: 18.JUN.2007 14:59:47

SPORTON International Inc.

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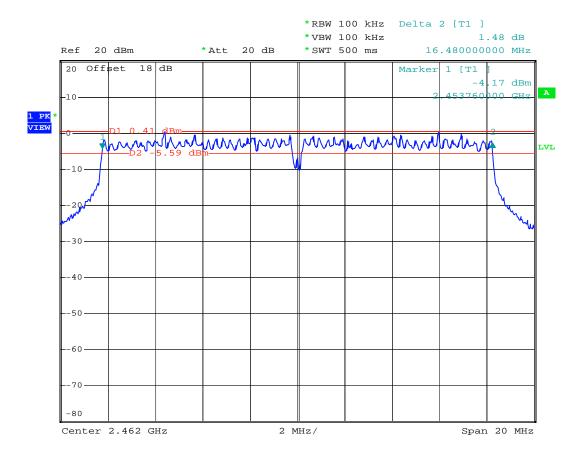
Date: 18.JUN.2007 12:34:39

SPORTON International Inc.

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Mode 6



Date: 18.JUN.2007 16:06:45

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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:

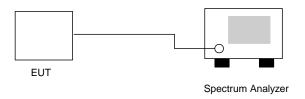
- 1. The transmitter output was connected to spectrum analyzer directly.
- 2. The spectrum analyzer's resolution bandwidth was set at 3kHz RBW and 30kHz VBW as that of the fundamental frequency. Set the sweep time=span/3kHz.

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- 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:



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5.3.4 Test Result:

Application Type: 802.11b/gTemperature: 26~27

802.11b

(MHz) (dBm) (dBm	
(WIT12) (UDITI) (UDITI)) Ref. No.
01 2412 -13.83 8	Mode 1
06 2437 -10.67 8	Mode 2
11 2462 -13.17 8	Mode 3

802.11g

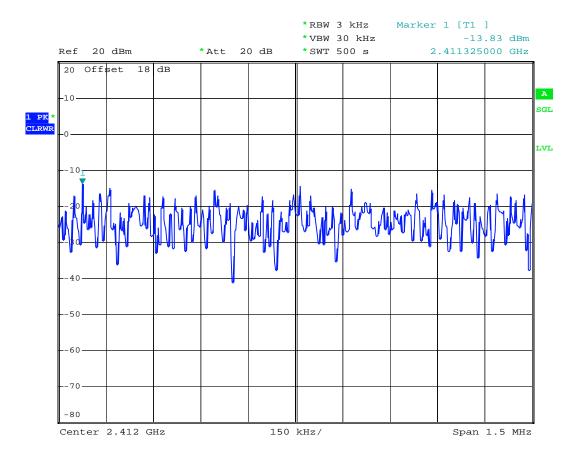
Channel	Frequency	Power Spectral Density	Limits	Plot
	(MHz)	(dBm)	(dBm)	Ref. No.
01	2412	-17.26	8	Mode 4
06	2437	-8.04	8	Mode 5
11	2462	-13.83	8	Mode 6

SPORTON International Inc.

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5.3.5 Power Spectral Density

Mode 1

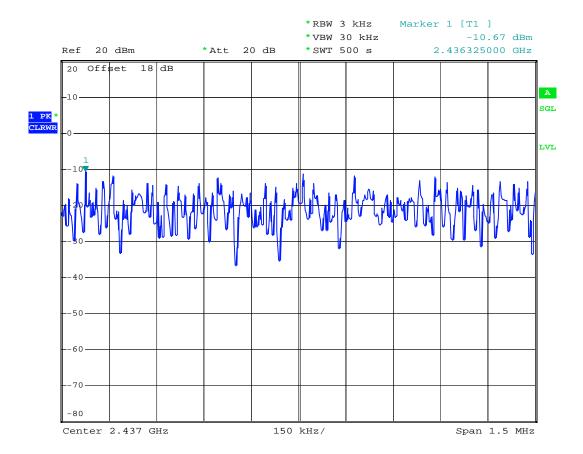


Date: 18.JUN.2007 10:39:28

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Mode 2

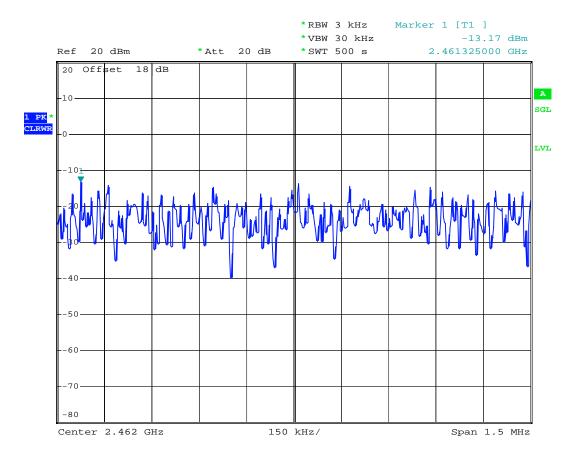


Date: 18.JUN.2007 10:49:30

SPORTON International Inc.

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Mode 3

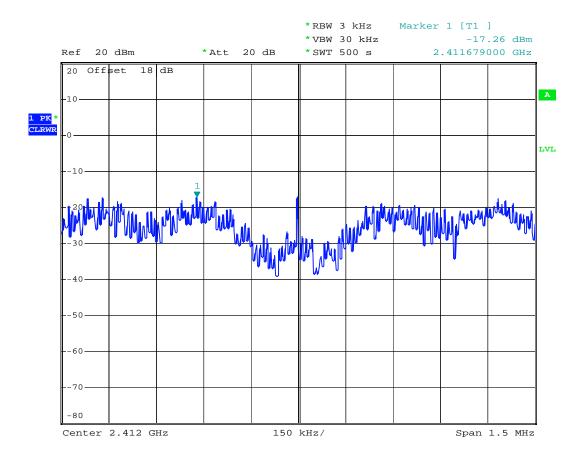


Date: 18.JUN.2007 10:58:57

SPORTON International Inc.

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Mode 4

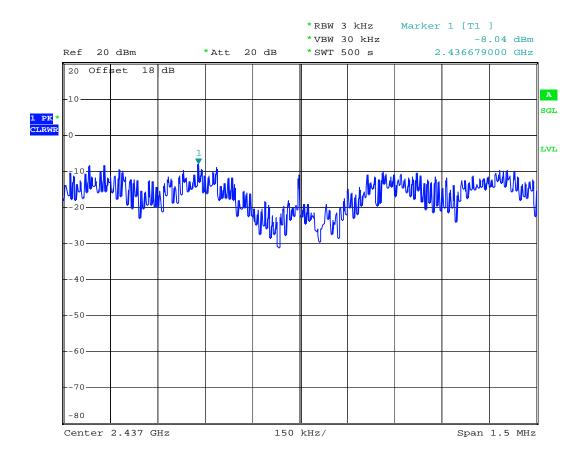


Date: 18.JUN.2007 13:43:17

SPORTON International Inc.

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Mode 5

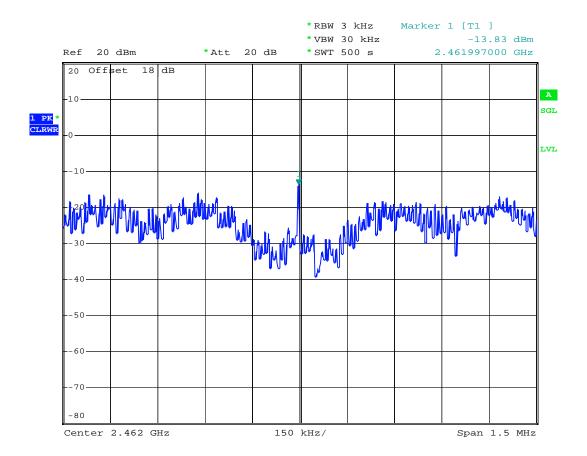


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SPORTON International Inc.

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Mode 6



Date: 18.JUN.2007 14:18:31

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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.
- Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100 kHz bandwidth from band edge.

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3. The band edges was measured and recorded.

5.4.3 Test Result:

Application Type: WLAN 802.11b/g and BT

Temperature : 26~27

Relative Humidity: 51~53%

Test Enginner : <u>Tony</u>

Test Result in WLAN lower band (802.11b/g)
 Test Result in WLAN higher band (802.11b/g)
 Test Result in BT lower band
 Test Result in BT higher 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	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)	
2388.56	50.74	-23.26	74.00	52.17	30.26	3.75	35.44	100	0	Peak
2388.56	41.76	-12.24	54.00	43.19	30.26	3.75	35.44	100	25	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)	
2387.76	49.77	-24.23	74.00	51.23	30.24	3.73	35.44	100	0	Peak
2387.76	39.23	-14.77	54.00	40.69	30.24	3.73	35.44	100	25	Average

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							-			
CH11 (H	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)	
2499.46	52.97	-21.03	74.00	54.32	30.30	3.88	35.53	100	0	Peak
2499.46	41.28	-12.72	54.00	42.63	30.30	3.88	35.53	100	25	Average
CH11 (\	/ertical)									
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)	
2492.15	48.90	-25.09	74.00	50.26	30.30	3.88	35.53	100	0	Peak
2492.15	38.89	-15.11	54.00	40.24	30.30	3.88	35.53	100	346	Average
	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	56.25	-17.75	74.00	57.02	30.26	4.42	35.46	100	0	Peak
2390.00	41.18	-12.82	54.00	41.95	30.26	4.42	35.46	100	173	Average
CH01 (\	/ertical)									
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	51.95	-22.05	74.00	52.72	30.26	4.42	35.46	100	0	Peak
2390.00	39.60	-14.40	54.00	40.37	30.26	4.42	35.46	100	178	Average
CH11 (H	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	45.48	-8.52	54.00	46.21	30.29	4.49	35.51	100	172	Average
2483.50	64.63	-9.37	74.00	65.36	30.29	4.49	35.51	100	0	Peak

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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	57.63	-16.37	74.00	58.36	30.29	4.49	35.51	100	0	Peak
2483.50	41.46	-12.54	54.00	42.19	30.29	4.49	35.51	100	261	Average

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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)	
2386.00	51.56	-22.44	74.00	52.34	30.26	4.40	35.44	100	0	Peak
2386.00	41.72	-12.28	54.00	42.50	30.26	4.40	35.44	100	5	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)	
2386.00	50.84	-23.16	74.00	51.62	30.26	4.40	35.44	100	0	Peak
2386.00	40.13	-13.87	54.00	40.91	30.26	4.40	35.44	108	210	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	53.46	-0.54	54.00	54.19	30.29	4.49	35.51	100	9	Average
2483.50	59.92	-14.08	74.00	60.65	30.29	4.49	35.51	100	0	Peak

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	50.89	-3.11	54.00	54.62	30.29	4.49	35.51	100	213	Average
2483.50	57.43	-16.57	74.00	58.16	30.29	4.49	35.51	100	0	Peak

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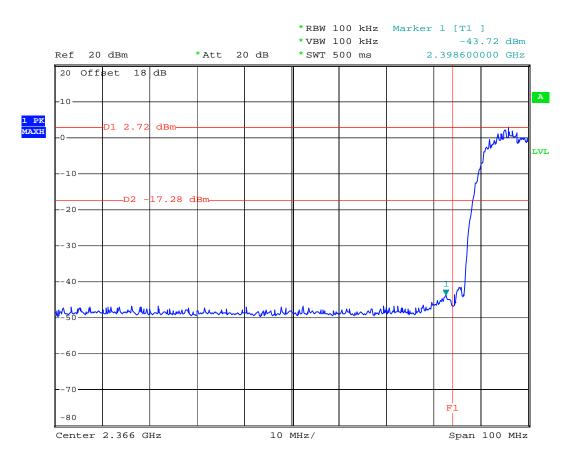
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5.4.5 20dB Band Edge

WLAN 802.11b

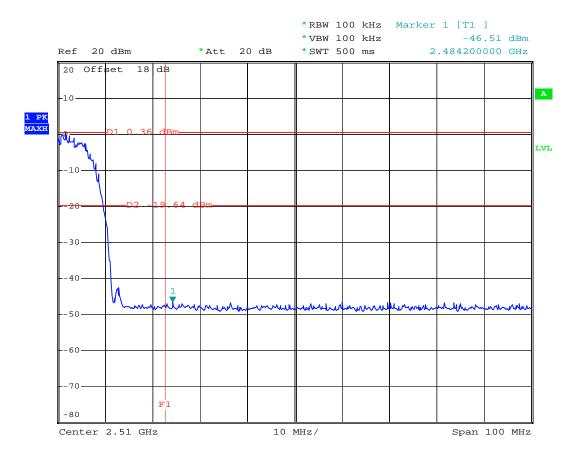
CH01



Date: 18.JUN.2007 10:28:19

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 28 of 115
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CH11

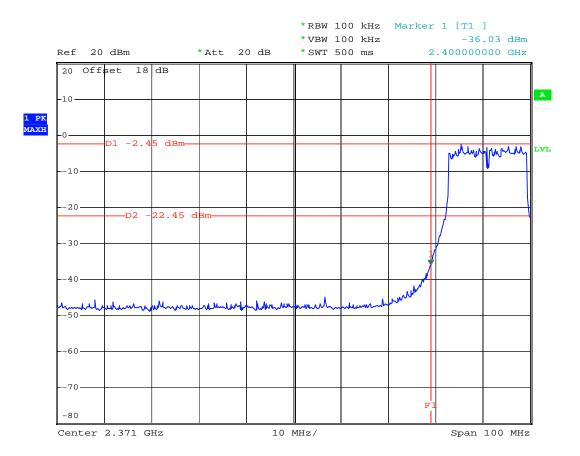


Date: 18.JUN.2007 10:29:41

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 29 of 115
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WLAN 802.11g

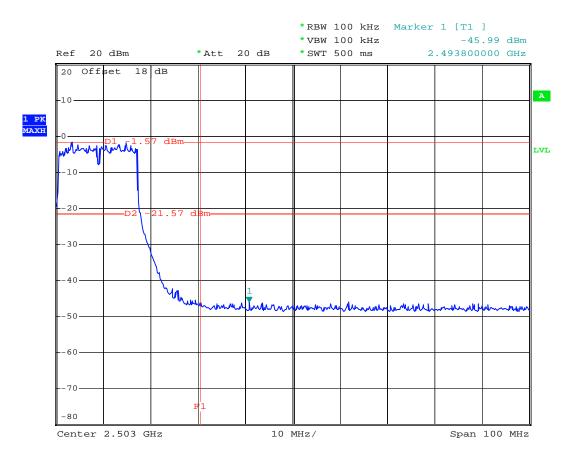
CH01



Date: 18.JUN.2007 12:56:39

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 30 of 115
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CH11

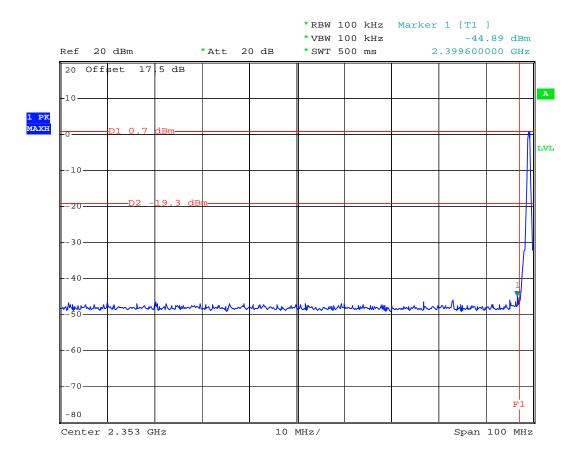


Date: 18.JUN.2007 12:58:09

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 31 of 115
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Bluetooth

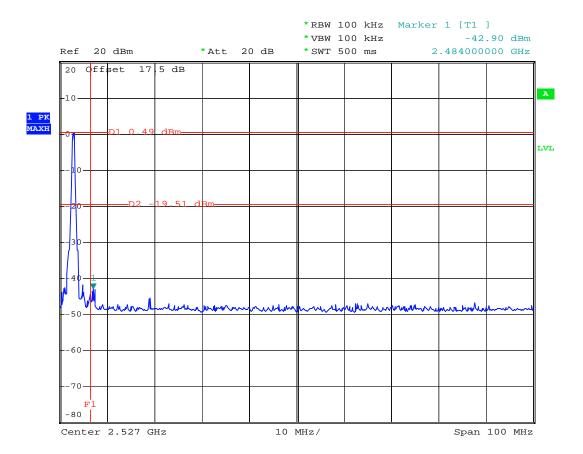
CH00



Date: 13.JUN.2007 15:19:58

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 32 of 115
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CH78



Date: 13.JUN.2007 15:22:22

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5.5 Hopping Channel Separation

5.5.1 Measuring Instruments:

As described in chapter 9 of this test report.

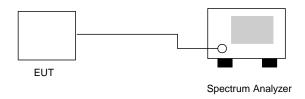
5.5.2 Test Procedure:

- 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.

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5.5.3 Test Setup Layout:



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

Application Type : BTTemperature : 26~27Relative Humidity : 51~53%

Test Enginner : Tony

	Carrier Frequency		Limits	
Channel	Frequency	Separation	Lillits	Plot
	(MHz)	(MHz)	(MHz)	Ref. No.
00	2402	1.004	0.882	Mode 7
39	2441	1.004	0.882	Mode 8
78	2480	1.004	0.882	Mode 9

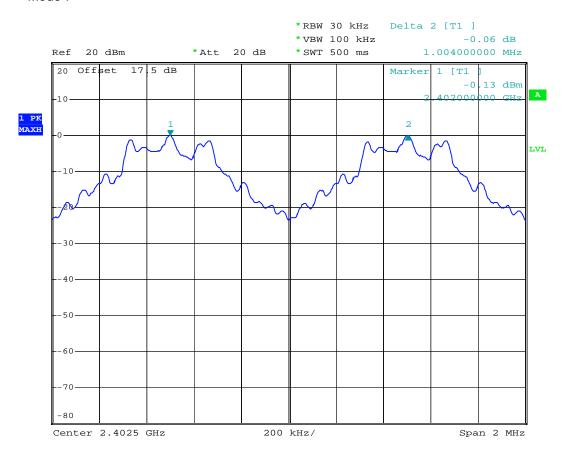
Note: Limits =25kHz or the 20dB bandwidth of the hopping channel, which ever is greater

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5.5.5 Hopping Channel Seperation

Mode 7

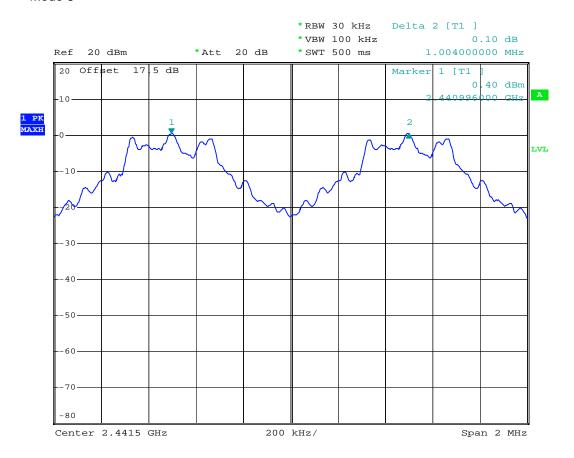


Date: 13.JUN.2007 16:07:06

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Mode 8

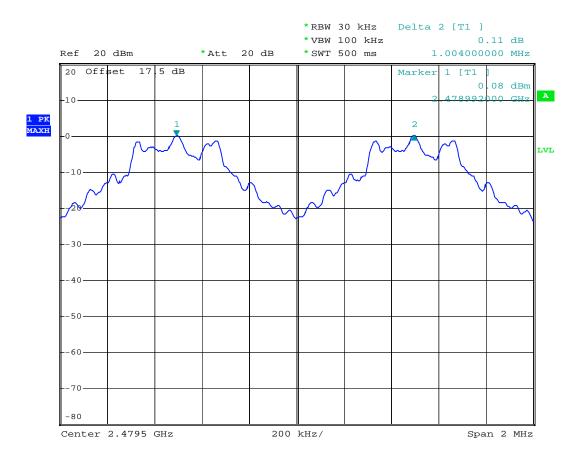


Date: 13.JUN.2007 16:09:14

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Mode 9



Date: 13.JUN.2007 16:12:49

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5.6 Number of Hopping Frequency

5.6.1 Measuring Instruments:

As described in chapter 9 of this test report.

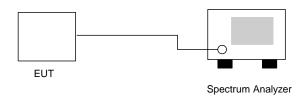
5.6.2 Test Procedure:

- 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.

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5.6.3 Test Setup Layout:



5.6.4 Test Result: See spectrum analyzer plots below

Application Type : BTTemperature : 26~27

Relative Humidity : 51~53%Test Enginner : ___Tony__

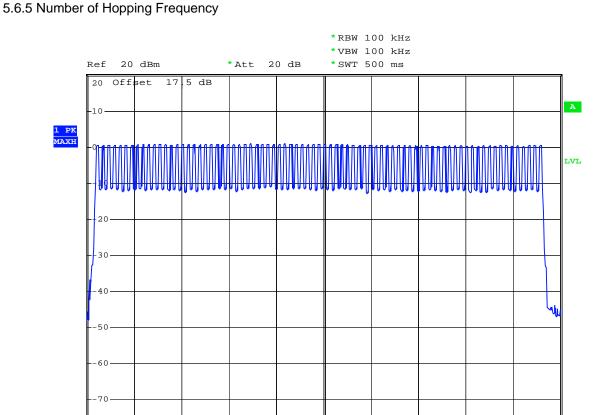
Number of Hopping Frequency Limits
(Channel) (Channel)

79 15

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8.35 MHz/

Date: 13.JUN.2007 17:57:53

Start 2.4 GHz

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Stop 2.4835 GHz

5.7 Hopping Channel Bandwidth

5.7.1 Measuring Instruments:

As described in chapter 9 of this test report.

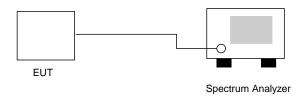
5.7.2 Test Procedure:

- 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.

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5.7.3 Test Setup Layout:



5.7.4 Test Result: See spectrum analyzer plots below

Application Type: BT
Temperature: 26~27
Relative Humidity: 51~53%
Test Enginner: ___Tony___

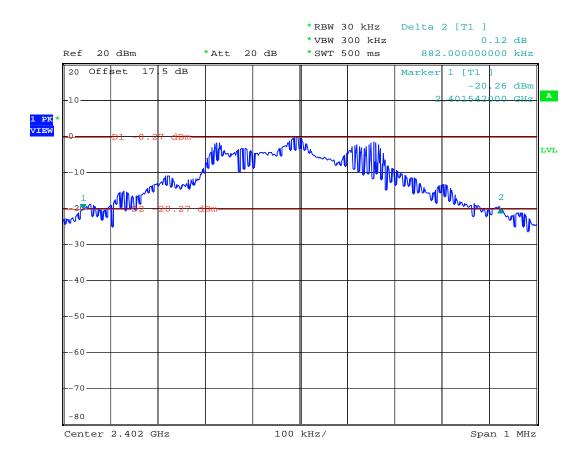
Channel	Frequency	Hopping Channel Bandwidth	Limits	Plot
	(MHz)	(MHz)	(MHz)	Ref. No.
00	2402	0.882	1.000	Mode 7
39	2441	0.882	1.000	Mode 8
78	2480	0.882	1.000	Mode 9

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5.7.5 Hopping Channel Bandwidth

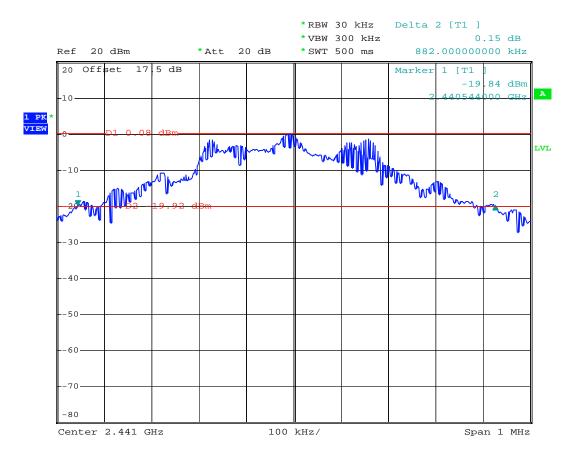
Mode 7



Date: 13.JUN.2007 18:21:46

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 41 of 115
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Mode 8

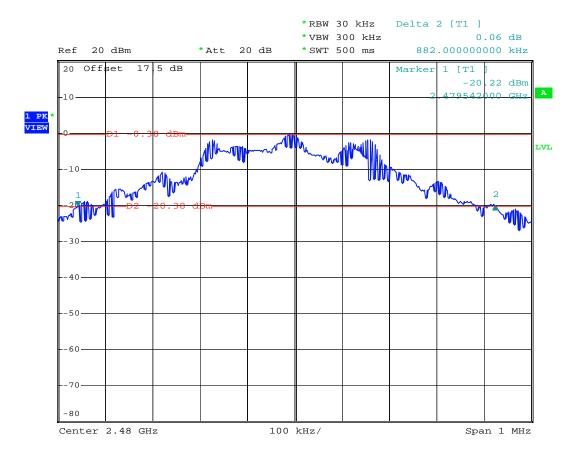


Date: 13.JUN.2007 18:10:27

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Mode 9



Date: 13.JUN.2007 18:13:23

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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:

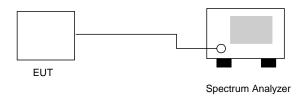
- 1. The transmitter output was connected to the spectrum analyzer by a low loss cable.
- 2. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- 3. Set the center frequency on any frequency would be measure and set the frequency span to zero span.

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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: BTTemperature: 26~27Relative Humidity: 51~53%

Test Enginner : Tony

Ch00

Average Hopping Channel	Package Transfer Time	Dwell Time	Limit
	(us)	(s)	(s)
9.1	444.00	0.128	0.4
5.6	1726.00	0.305	0.4
3.8	3000.00	0.360	0.4
	9.1 5.6	Channel Time (us) 9.1 444.00 5.6 1726.00	Channel Time (us) Dwell Time (s) 9.1 444.00 0.128 5.6 1726.00 0.305

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CH39				
Package Mode	Average Hopping Channel	Package Transfer Time	Dwell Time	Limit
		(us)	(s)	(s)
DH1	9.2	440.00	0.128	0.4
DH3	5.9	1736.00	0.324	0.4
DH5	3.9	3020.00	0.372	0.4

CH78

Package Mode	Average Hopping Channel	Package Transfer Time	Dwell Time	Limit
_		(us)	(s)	(s)
DH1	9.3	436.00	0.128	0.4
DH3	5.8	1736.00	0.318	0.4
DH5	3.1	2980.00	0.292	0.4

Remark:

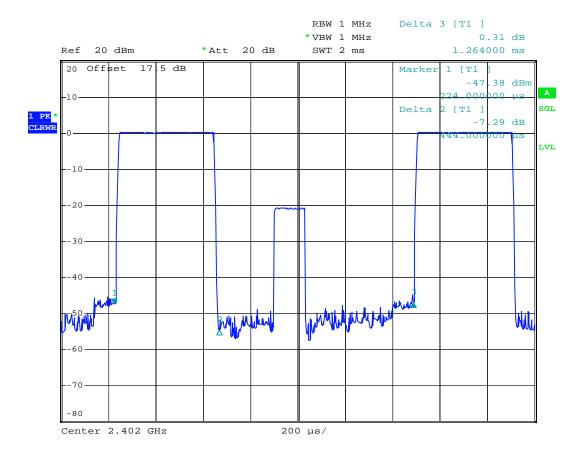
- 1. Dwell Time=79(channels) x 0.4(s) x average hopping channel x package transfer time
- 2. 79channels come from the Hopping Channel number.
- 3. Average Hopping Channel = hops/sweep time
- 4. t: Package Transfer Time(us)

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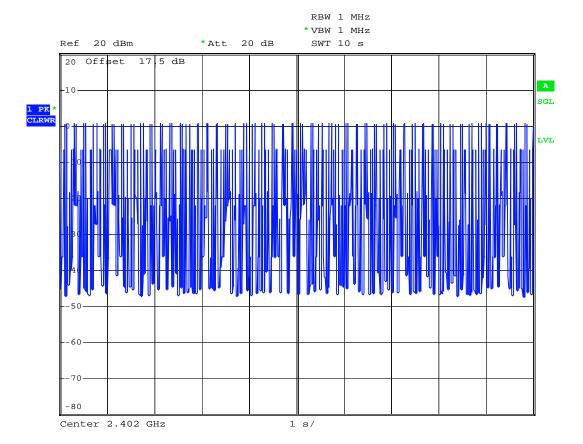
5.8.5 Dwell Time

DH1 (CH00)



Date: 13.JUN.2007 18:27:39

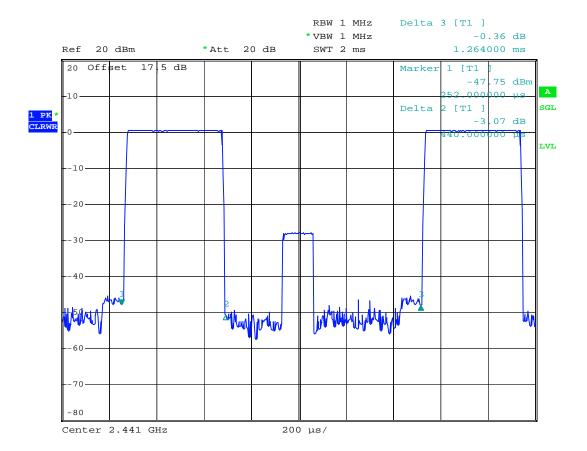
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 46 of 115
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Date: 13.JUN.2007 17:17:27

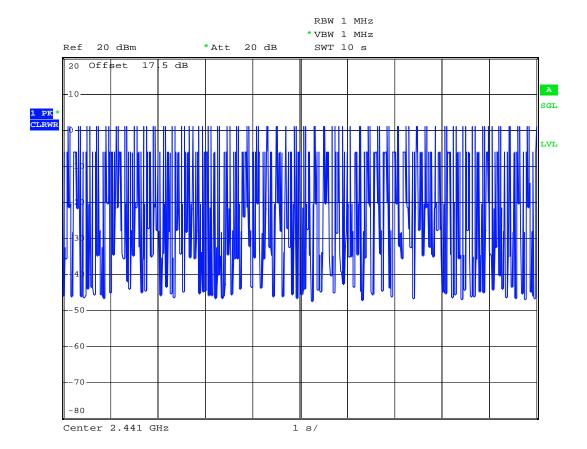
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 47 of 115
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DH1 (CH39)



Date: 13.JUN.2007 18:30:19

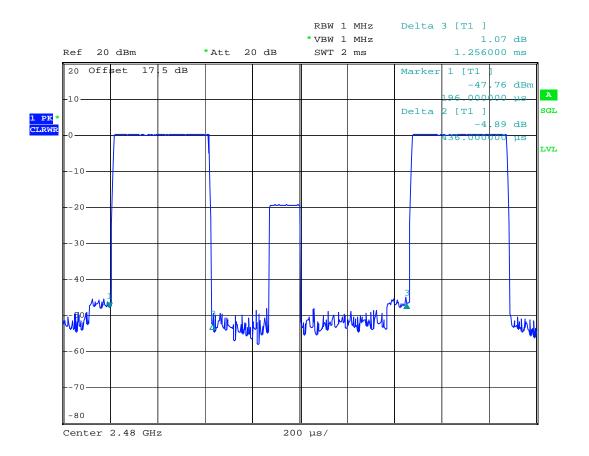
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 48 of 115
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Date: 13.JUN.2007 17:23:35

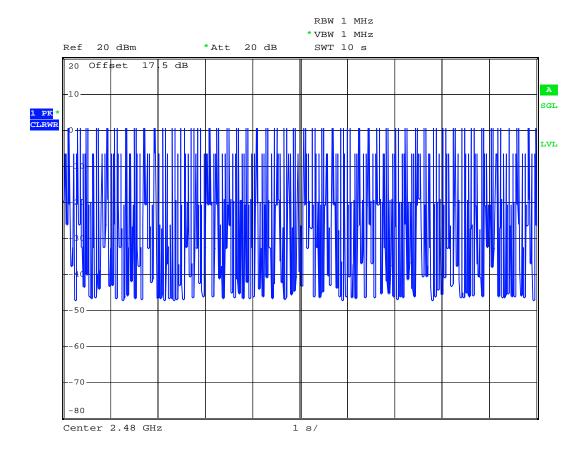
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 49 of 115
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DH1 (CH78)



Date: 13.JUN.2007 18:32:26

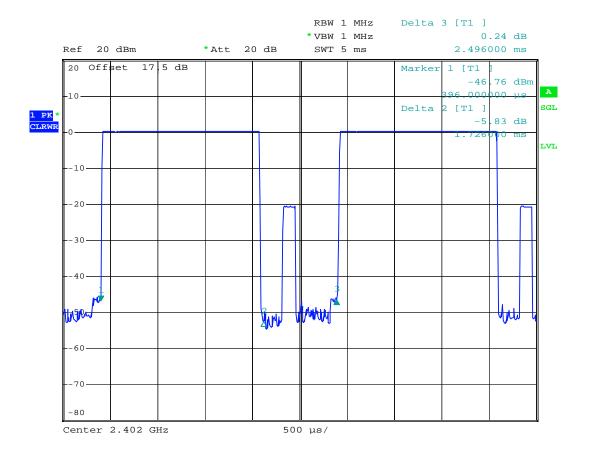
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 50 of 115
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Date: 13.JUN.2007 17:24:20

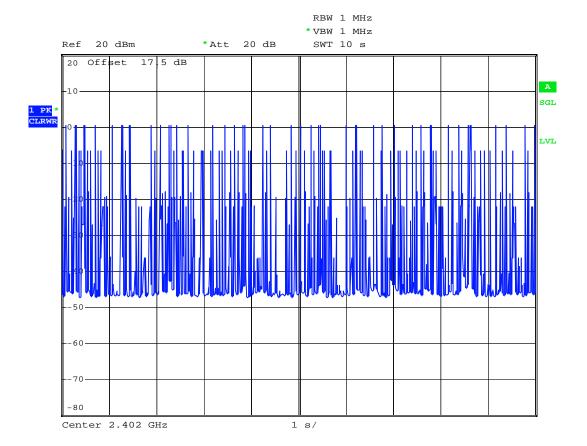
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 51 of 115
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DH3 (CH00)



Date: 13.JUN.2007 18:34:19

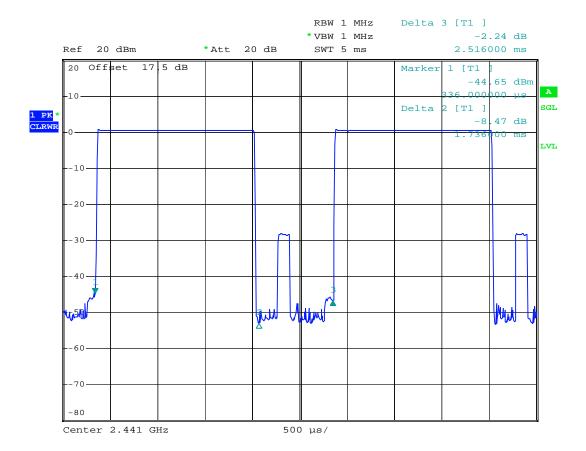
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 52 of 115
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Date: 13.JUN.2007 17:25:17

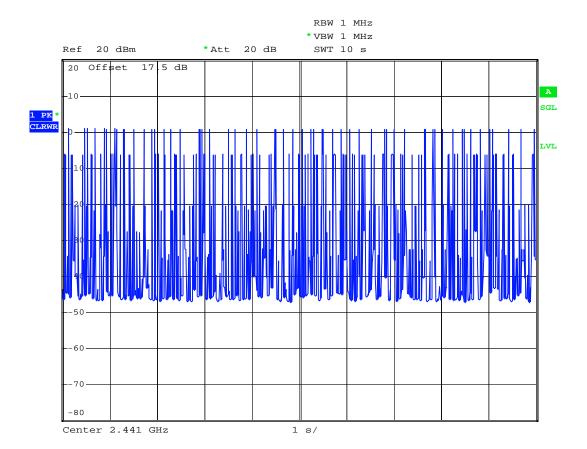
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 53 of 115
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DH3 (CH39)



Date: 13.JUN.2007 18:36:13

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 54 of 115
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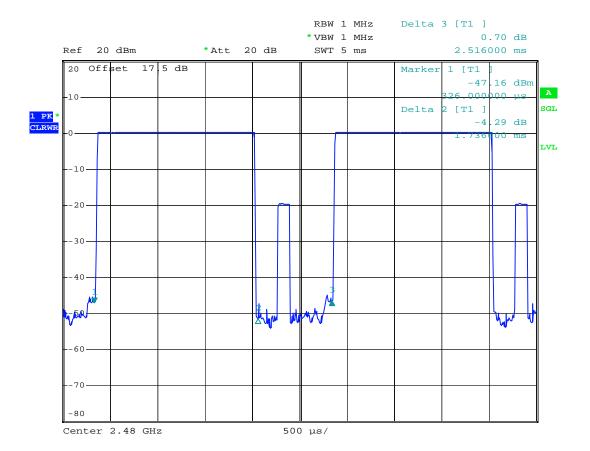


Date: 13.JUN.2007 17:25:53

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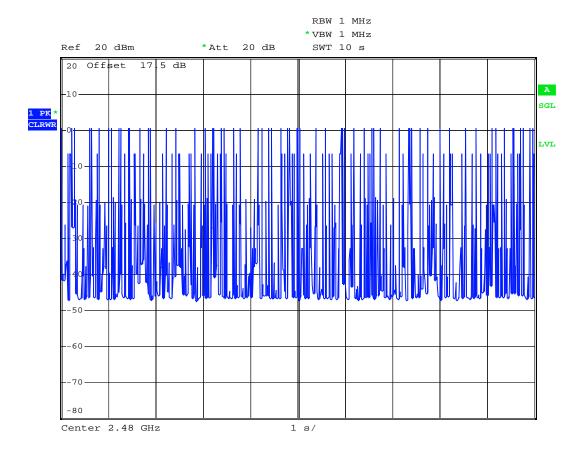
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 55 of 115
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DH3 (CH78)



Date: 13.JUN.2007 18:37:50

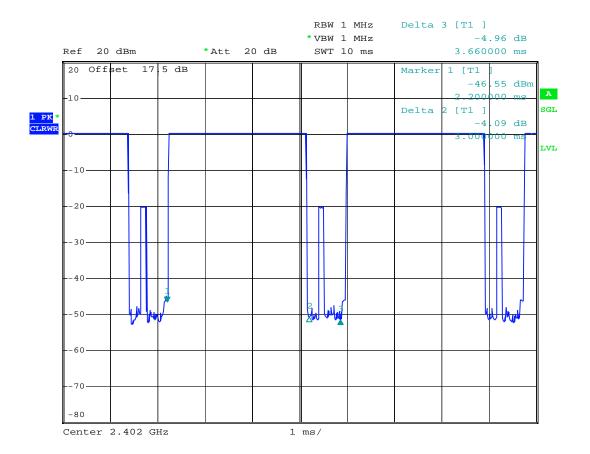
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 56 of 115
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Date: 13.JUN.2007 17:27:20

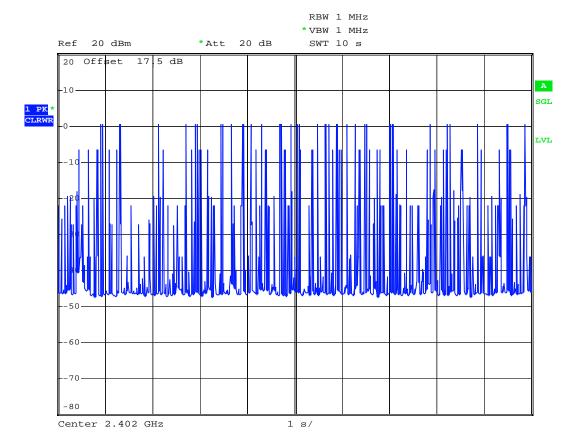
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 57 of 115
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DH5 (CH00)



Date: 13.JUN.2007 19:00:59

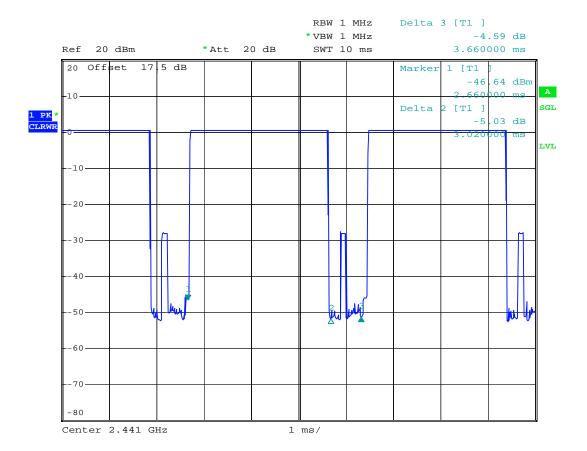
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 58 of 115
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Date: 13.JUN.2007 17:28:23

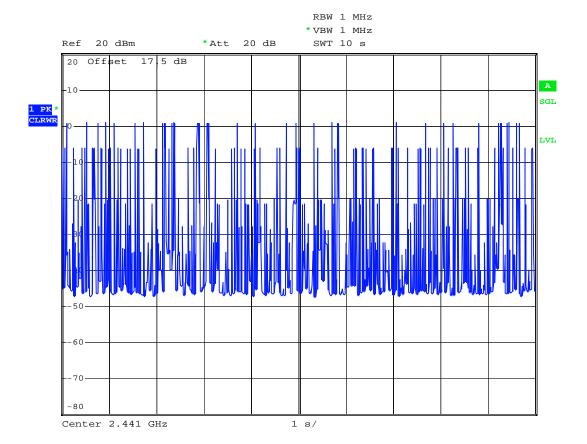
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 59 of 115
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DH5 (CH39)



Date: 13.JUN.2007 19:02:15

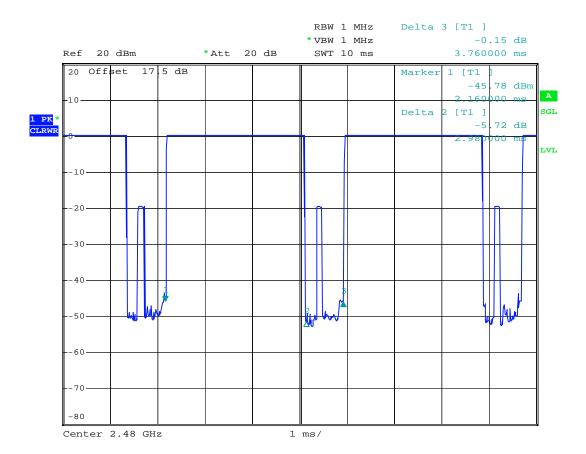
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 60 of 115
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Date: 13.JUN.2007 17:29:02

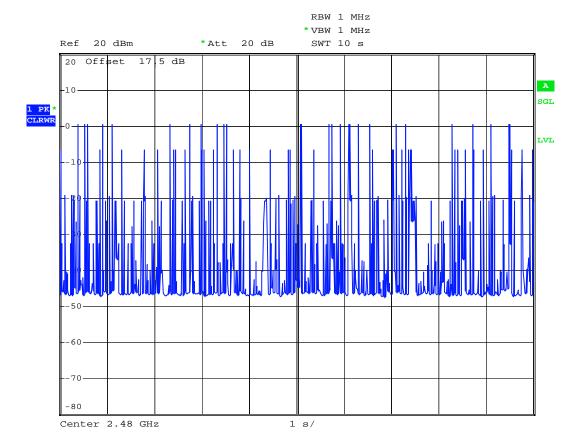
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 61 of 115
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DH5 (CH78)



Date: 13.JUN.2007 19:03:19

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 62 of 115
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Date: 13.JUN.2007 17:30:09

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 63 of 115
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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.

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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 : 26~27

Relative Humidity : 51~53%Test Enginner : ___Tony__

WLAN 802.11b

Channel Frequency		Measured Output Power	Limits
	(MHz)	(dBm)	(Watt/dBm)
01	2412	15.02	1W/30 dBm
06	2437	14.84	1W/30 dBm
11	2462	13.63	1W/30 dBm

WLAN 802.11g

Channel Frequency		Measured Output Power	Limits
	(MHz)	(dBm)	(Watt/dBm)
01	2412	17.31	1W/30 dBm
06	2437	17.04	1W/30 dBm
11	2462	18.74	1W/30 dBm

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Bluetooth

Channel	Frequency	Measured Output Power	Limits
	(MHz)	(dBm)	(Watt/dBm)
00	2402	0.8	1W/30 dBm
39	2441	1.16	1W/30 dBm
78	2480	0.87	1W/30 dBm

Report No.

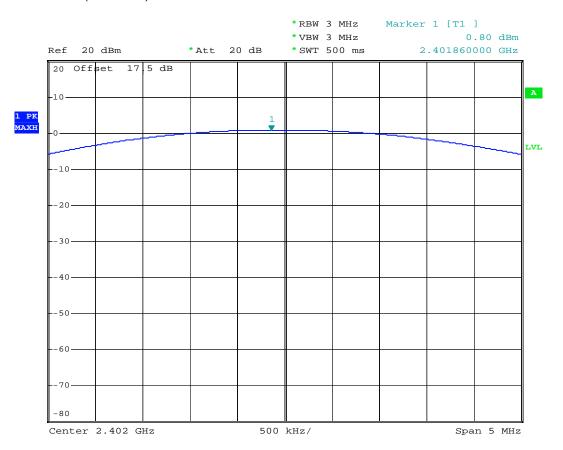
: FR760116-01

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5.9.5 Output Power

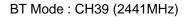
BT Mode: CH00 (2402MHz)

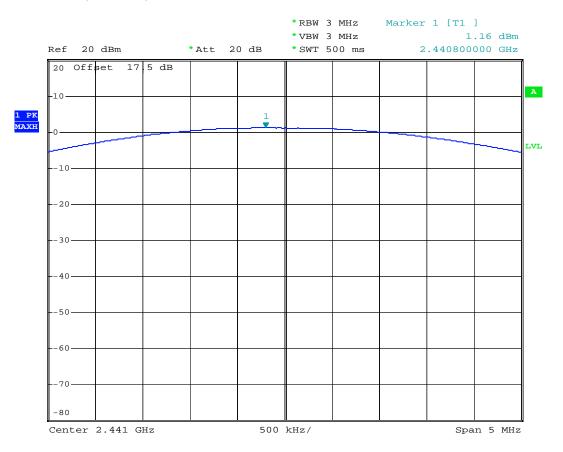


Date: 13.JUN.2007 15:11:57

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 66 of 115
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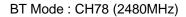


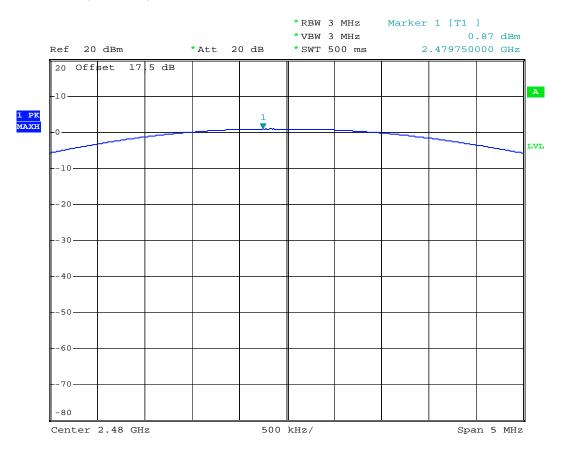
Date: 13.JUN.2007 15:12:49

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 67 of 115
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Date: 13.JUN.2007 15:13:22

SPORTON International Inc.

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5.10 Conducted Emission

5.10.1 Measuring Instruments

As describ ed 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.

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- 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.

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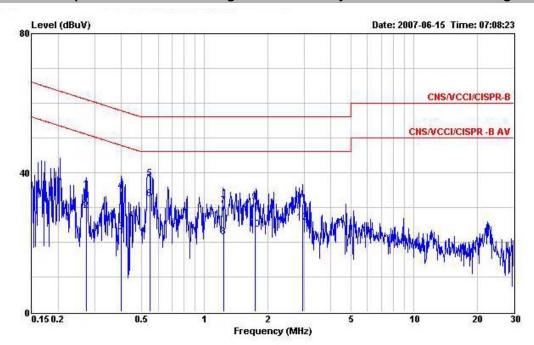
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 69 of 115
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5.10.3 Test Data

Temperature : 26~27 Relative Humidity: 51~53% Test Enginner : Tony Test Mode: Mode 1

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



Site Condition EUT Power Model

: CO01-HY : CNS/VCCI/CISPR-B 2001/004 200604 LINE : PDA Phone : 120V/60Hz : FR 760116-01 : PCS1900 IDLE+Adapter+Earphone+CAMERA : +MPEG4+WLAN LINK+BT LINK Memo

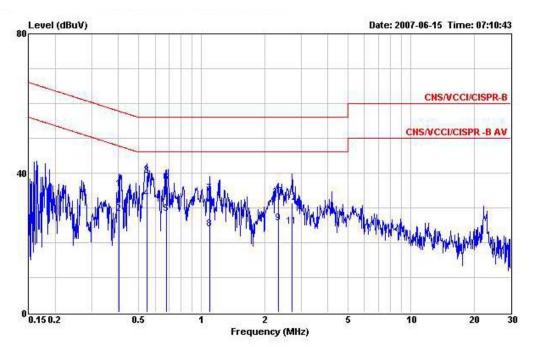
Memo Memo

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
10	MHz	dBuV	dB	dBu∀	dBuV	dB	dB	<u> </u>
1	0.272	35.12	-25.94	61.06	34.95	0.10	0.07	QP
2	0.272	29.10	-21.96	51.06	28.93	0.10	0.07	Average
3	0.400	23.02	-24.83	47.85	22.88	0.10	0.04	Average
4	0.400	34.65	-23.20	57.85	34.51	0.10	0.04	QP
5	0.546	38.31	-17.69	56.00	38.13	0.10	0.08	QP
6	0.546	32.44	-13.56	46.00	32.26	0.10	0.08	Average
7	1.230	30.55	-25.45	56.00	30.26	0.10	0.19	QP
8	1.230	21.56	-24.44	46.00	21.27	0.10	0.19	Average
9	1.750	31.35	-24.65	56.00	31.02	0.10	0.23	QP
10	1.750	23.78	-22.22	46.00	23.45	0.10	0.23	Average
11	2.950	31.02	-24.98	56.00	30.66	0.16	0.20	QP
12	2.950	25.61	-20.39	46.00	25.25	0.16	0.20	Average

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: CO01-HY : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL : PDA Phone : 120V/60Hz : FR 760116-01 : PCS1900 IDLE+Adapter+Earphone+CAMERA : +MPEG4+WLAN LINK+BT LINK

Site Condition EUT Power Model Memo

Memo Memo

nemo	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
92	MHz	dBuV	——dB	dBu∀	dBuV	——dB	dB	
1	0.404	35.34	-22.43	57.77	35.20	0.10	0.04	QP
2	0.404	28.20	-19.57	47.77	28.06	0.10	0.04	Average
3	0.546	39.27	-16.73	56.00	39.09	0.10	0.08	QP
4	0.546	32.71	-13.29	46.00	32.53	0.10	0.08	Average
- 5	0.679	28.33	-17.67	46.00	28.12	0.10	0.11	Average
6	0.679	37.21	-18.79	56.00	37.00	0.10	0.11	QP
7	1.090	34.12	-21.88	56.00	33.84	0.10	0.18	QP
8	1.090	23.88	-22.12	46.00	23.60	0.10	0.18	Average
9	2.320	25.70	-20.30	46.00	25.38	0.10	0.22	Average
10	2.320	33.26	-22.74	56.00	32.94	0.10	0.22	QP
11	2.710	24.73	-21.27	46.00	24.42	0.10	0.21	Average
12	2.710	31.44	-24.56	56.00	31.13	0.10	0.21	QP

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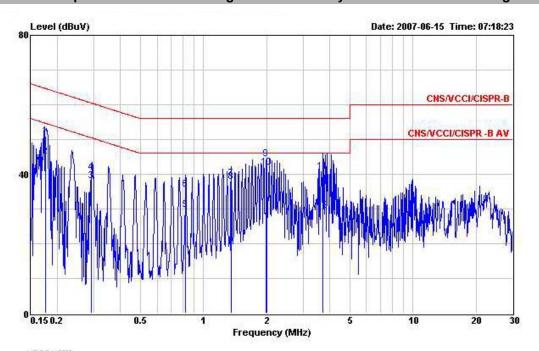
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FCC TEST REPORT Report No. : FR760116-01

Temperature: 26~27

Relative Humidity: 51~53% Test Enginner : Tony Test Mode: Mode 2

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



: CO01-HY : CNS/VCCI/CISPR-B 2001/004 200604 NEUTRAL : PDA Phone : 120V/60Hz

Site Condition EUT Power Model

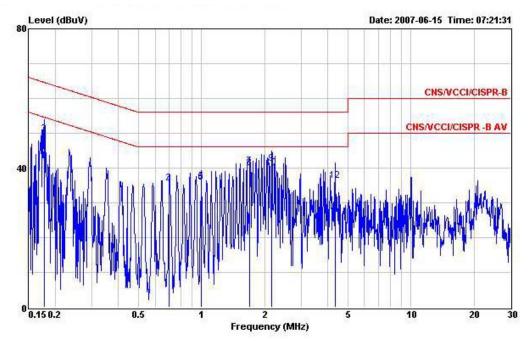
: FR 760116-01 : PCS1900 IDLE+USB LINK+Earphone+CAMERA : +MPEG4+WLAN LINK+BT LINK Memo Memo

ricino	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
-	MHz	dBuV	——dB	dBu∀	dBuV	——dB	dB	
1	0.176	51.09	-13.57	64.66	50.90	0.10	0.09	QP
2	0.176	45.08	-9.58	54.66	44.89	0.10	0.09	Average
3	0.292	38.03	-12.44	50.47	37.86	0.10	0.07	Average
4 5	0.292	40.51	-19.96	60.47	40.34	0.10	0.07	QP
5	0.822	29.83	-16.17	46.00	29.59	0.10	0.14	Average
6	0.822	35.66	-20.34	56.00	35.42	0.10	0.14	QP
7	1.350	38.80	-17.20	56.00	38.50	0.10	0.20	QP
8	1.350	37.70	-8.30	46.00	37.40	0.10	0.20	Average
9	1.996	44.27	-11.73	56.00	43.93	0.10	0.24	QP
10	2.000	42.05	-3.95	46.00	41.71	0.10	0.24	Average
11	3.700	40.65	-15.35	56.00	40.38	0.10	0.17	QP
12	3.700	29.60	-16.40	46.00	29.33	0.10	0.17	Average

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Site Condition EUT

Power Model Memo

: CO01-HY : CNS/VCCI/CISPR-B 2001/004 200604 LINE : PDA Phone : 120V/60Hz : FR 760116-01 : PCS1900 IDLE+USB LINK+Earphone+CAMERA : +MPEG4+WLAN LINK+BT LINK

Memo Memo

Meillo	22		2	200		2	12.22	
			0ver	Limit	Read	Probe	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
-	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.178	41.83	-12.75	54.58	41.64	0.10	0.09	Average
2	0.178	49.87	-14.71	64.58	49.68	0.10	0.09	QP
3	0.701	35.61	-20.39	56.00	35.39	0.10	0.12	QP
4 5	0.701	35.09	-10.91	46.00	34.87	0.10	0.12	Average
	0.994	36.12	-19.88	56.00	35.85	0.10	0.17	QP
6	0.994	35.93	-10.07	46.00	35.66	0.10	0.17	Average
7	1.700	40.55	-15.45	56.00	40.23	0.10	0.22	QP
8	1.700	40.02	-5.98	46.00	39.70	0.10	0.22	Average
9	2.170	41.23	-14.77	56.00	40.89	0.11	0.23	QP
10	2.170	39.99	-6.01	46.00	39.65	0.11	0.23	Average
11	4.335	28.95	-17.05	46.00	28.56	0.21	0.18	Average
12	4.335	36.25	-19.75	56.00	35.86	0.21	0.18	QP

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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.

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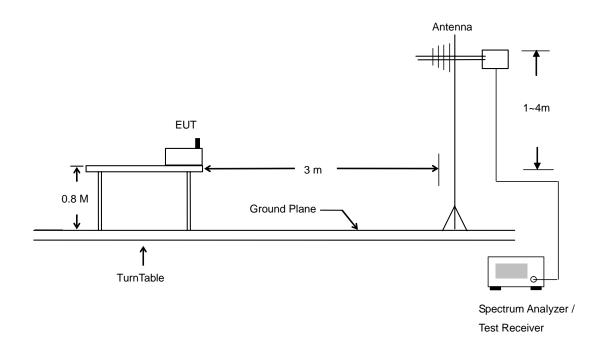
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization 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.

SPORTON International Inc.

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5.11.3 Typical Test Setup Layout of Radiated Emission



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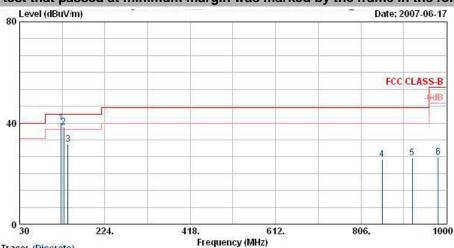
5.11.4 Test Data

Temperature : 26~27

Relating Humidity: 57~59%Test Enginner: <u>Anderson</u>

Test Mode : Mode 1Polarization : Horizontal

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

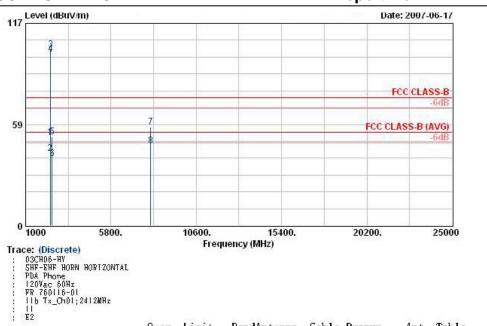


Site Condition EUT Power Model Moemo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) HORTZONTAL
: PDA Phone
: 120Vac 60Hz
: FFR 760116-D1
: 11b Tx_Ch01;2412MHz
: 11
: E2

	21 2572	Freq	Level	Over Limit			Intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	_	MHz	dBuY/m	dB	$\overline{\mathrm{d} B}\mathrm{u} V/\mathrm{m}$	dB u₹	dB/m	dB	<u>dB</u>	cm	deg	
1 @		124, 23	40.13	-3, 37	43, 50	57, 37	12.64	1, 20	31.08			Peak
2!		130.44	38.34	-5.16	43.50	56.50	11.70	1.24	31.09			Peak
3		139.89	31.56	-11.94	43.50	51.06	10.25	1.29	31.04			Peak
4		854.40	25.72	-20.28	46.00	32.31	20.21	3.63	30.42			Peak
5		922.30	26.04	-19.96	46.00	31.82	20.69	3.86	30.33			Peak
6		981,80	26, 35	-27.65	54, 00	31.53	21.11	3, 98	30, 27			Peak

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	rrace: (Discrete)	
Site	: 03CH06-HY	
Condition	; SHF-EHF HORN HORIZONTA	٩L
EUT	; PDA Phone	
Power	: 120Vac 60Hz	
Model	: FR 760116-01	
Memo	;	
Data Rate	: 11	
Plane	; E2	

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∀/m	dB	dBu∀/m	d Bu¥	dB/m	dB	dB	cm	deg	
1 2 3 4 6 5 6 7 8	2388. 56 2388. 56 2412. 00 2412. 00 2494. 00 2494. 00 8031. 00 8031. 00	41.76 101.97 98.98 51.26 38.59 57.16		74. 00 54. 00 74. 00 54. 00 74. 00 54. 00	52. 17 43. 19 103. 39 100. 40 52. 61 39. 94 45. 63 34. 74	30. 26 30. 26 30. 27 30. 27 30. 30 30. 30 39. 57 39. 57	3. 75 3. 75 3. 77 3. 77 3. 88 3. 88 7. 83 7. 83	35. 44 35. 46 35. 46 35. 53 35. 53	100 100 100 100 100 100 100	25 0 25 0 25 0	Peak Average Peak Average Peak Average Peak Average

Remark: #3 and #4 Fundamental Signal

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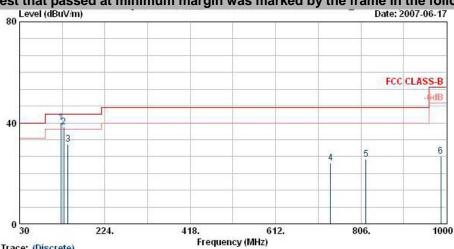
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000

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Polarization : Vertical

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



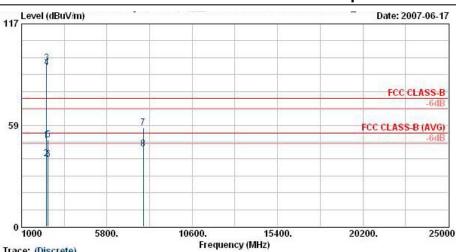
Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) YERTICAL
: PDA Phone
: 120Yac 60Hz
: FR 760116-01
: 11b T*_Ch01;2412MHz

	VI 2572	Freq	Level	Over Limit	Limit Line	ReadA Level	ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	_	MHz	dBu√m	dB	dBu√m	dB u√	dB/m	dB	dB	cm	deg	
1 @ 2 ! 3 4 5		124, 23	40.13	-3.37	43.50	57. 37	12.64	1.20	31.08	222	200	Peak
2!		130.44	38.34	-5.16	43.50	56.50	11.70	1.24	31.09			Peak
3		139.89	31.56	-11.94	43.50	51.06	10.25	1.29	31.04			Peak
4		736.80	24.00	-22.00	46.00	32.00	19.23	3.31	30.55			Peak
5		817.30	25.48	-20.52	46.00	32.52	19.94	3.48	30.47			Peak
6		987, 40	26, 74	-27.26	54, 00	31.87	21, 15	3, 99	30, 27			Peak

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Site Condition EUT Power Model Memo Data Pate Plane Trace: (Discrete)

. 03CH06-HY
. SHP-EHF HORN YERTICAL
. PDA Phone
. 120Vac 50Hz
. FR 760118-01
. 11b Tx_Ch01;2412MHz
. 11
. E2

	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuY/m	dB	dBu√m	dB uV	dB/m	dB	<u>dB</u>	cm	deg	
1 2 3 @ 4 @	2387. 76 2387. 76 2412. 00 2412. 00	39. 23 94. 24		74. 00 54. 00	51. 23 40. 69 95. 66 93. 18	30. 24 30. 24 30. 27 30. 27	3. 73 3. 73 3. 77 3. 77	35. 44 35. 44 35. 46 35. 46	100 100 100 100	25 0	Peak Average Peak Average
5 6 7 8	2500.00 2500.00 7842.00 7842.00	49. 96 38. 71 56. 77	-24. 04 -15. 29 -17. 23 -9. 03	74. 00 54. 00 74. 00 54. 00	51.31 40.06 45.58 33.78	30. 30 30. 30 39. 37 39. 37	3. 88 3. 88 7. 73 7. 73	35. 53 35. 53 35. 91 35. 91	100 100 100 100	0 25 0	Peak Average Peak Average

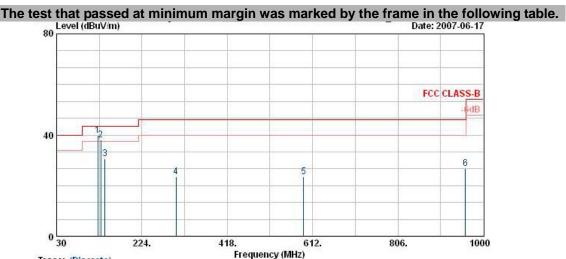
Remark: #3 and #4 Fundamental Signal

SPORTON International Inc.

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Test Mode : Mode 2 Polarization : Horizontal



Site Condition EUT Power Model

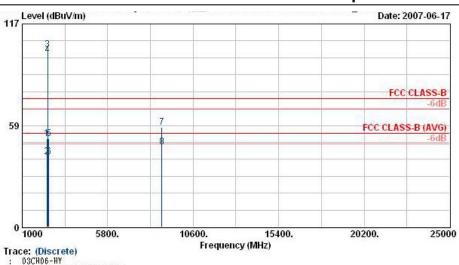
Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) HORIZONTAL
: PDA Phone
: 120Vac 50Hz
: FF 760116-01
: 11b Tx_Ch06;2437MHz
: I1
: E2

riane	 Freq MHz	Level				Antenna Factor dB/m	11 11 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	Factor	Ant Pos	Table Pos deg	Remark
1 !	123, 69	39. 97	-3. 53	43.50	57. 21	12.64	1.20	31.08			Peak
2 !	130.44	38.16	-5.34	43.50	56.32	11.70	1.24	31.09			Peak
2! 3 4	139.89	30.67	-12.83	43.50	50.17	10.25	1.29	31.04			Peak
4	301.40	23.61	-22.39	46.00	39.33	13.26	1.95	30.93			Peak
5	591.90	23, 42	-22.58	46.00	32.79	18.38	2.93				
6	959, 40		-19.18		32 21	20 95	3 94				Peak

SPORTON International Inc.

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Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: SHF-EHF HORN HORIZONTAL
PDA Phone
: 12074ac 60Hz
: FR 760116-01
: 11b Tx_Ch06;2437MHz
: 11
: E2

	Freq	Level	Over Limit	Limit Line		Intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuY/m	dB	dBuV/m	dB uV	dB/m	dB	<u>dB</u>	cm	deg	
Ī	2384.00	50.86	-23. 14	74.00	52, 29	30, 25	3.75	35. 44	100	0	Peak
2	2384.00	40.53	-13.47	54.00	41.97	30, 25	3, 75	35.44	100	24	Average
2 3 X	2437.00	102.43			103.81	30, 28	3.82	35.47	100		Peak
	2437.00	99.02			100.40	30.28	3.82	35.47	100	24	Average
4 @ 5	2498.00	50.89	-23.11	74.00	52, 23	30.30	3, 88	35, 53	100		Peak
6	2498.00	40.25	-13.75	54.00	41.60	30.30	3, 88	35, 53	100	24	Average
7	8847.00	57.20	-16.80	74.00	45.95	38.71	8.90	36, 36	100		Peak
8	8847.00		-8.06	54.00	34.69	38.71	8.90	36.36	100		Average

Remark: #3 and #4 Fundamental Signal

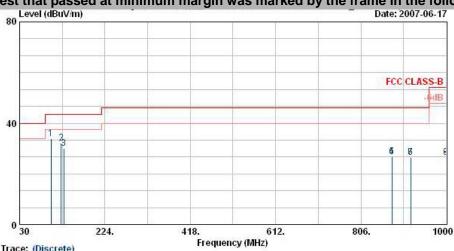
SPORTON International Inc.

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Report No. : FR760116-01

Polarization : Vertical

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



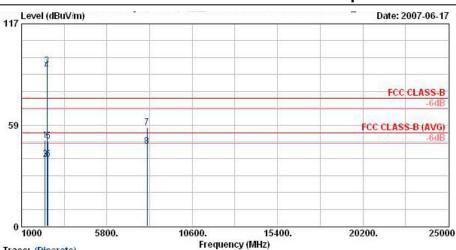
Site Condition EUT Power Model Memo Data Rate Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) YERTICAL
: PDA Phone
: 120Vac 60Hz
: FF 760116-01
: 11b Tx_Ch06;2437MHz
: 11
: E2

	A	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuY/m	dBu₹	dB ∕m	dB	dB	cm	deg	
1		101.28	33. 79	-9.71	43.50	52.81	11.07	1.07	31.15	222		Peak
2 3		124.23	32.15	-11.35	43.50	49.39	12.64	1.20	31.08			Peak
3		130.44	29. 99	-13.51	43.50	48.15	11.70	1.24	31.09			Peak
4 5		876.80	26.83	-19.17	46.00	33.14	20.36	3.72	30.40			Peak
5		876.80	26.83	-19.17	46.00	33.14	20.36	3.72	30.40			Peak
6		918.80	26.36	-19.64	46.00	32.18	20.66	3.86	30.34			Peak
7		918.80	26.36	-19.64	46.00	32.18	20.66	3.86	30.34			Peak
8		1000.00	26.48	-27.52	54.00	31.49	21.24	4.02	30.27			Peak
9 9		1000.00	26.48	-27. 52	54.00	31.49	21.24	4.02	30.27			Peak

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 82 of 115
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Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)

03CH06-HY

SHF-EHF HORN VERTICAL

PDA Phone
120Vac 60Hz

FR 760116-01

11b Tx_Ch06;2437MHz

11

E2

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBu∛/m	dBu∀	dB/m	dB	dB	cm	deg	
Ī	2324.00		-24.57	74.00	50.91	30. 23	3.69		100		Peak
2	2324.00	C03030300	-15.38	54.00	40.11	30. 23	3.69		100		Average
3 X	2437.00	92.81			94. 19	30. 28	3.82		100		Peak
4 @	2437.00	90.12			91.50	30. 28	3.82		100		Average
5	2500.00	49.08	-24. 92	74.00	50.43	30. 30	3.88	35. 53	100	0	Peak
6	2500.00	38.68	-15.32	54.00	40.03	30.30	3.88	35.53	100	328	Average
7	8052.00	57.16	-16.84	74.00	45.64	39.56	7.85	35, 89	100		Peak
8	8052.00	46.22	-7.78	54.00	34.70	39.56	7.85	35.89	100		Average

Remark: #3 and #4 Fundamental Signal

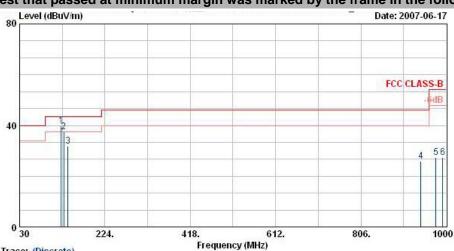
SPORTON International Inc.

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Report No. : FR760116-01

Test Mode : Mode 3 Polarization : Horizontal

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



Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)

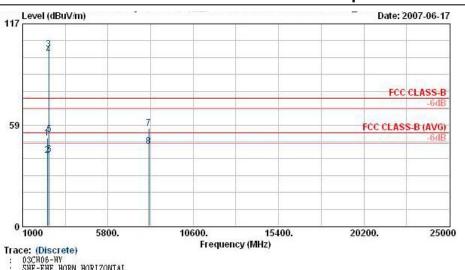
: 03CH06-HY
: LF-ANT(951121) HORIZONTAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: 116 Tx_Ch11;2462MHz
: 11
: E2

	Freq	Level	Limit			intenna Factor	* N. S. J.	Freamp Factor	Pos	Pos Remari
-	MHz	dBuY/m	dB	$\overline{\mathrm{d} B}\mathrm{u} V/\mathrm{m}$	dB u¥	dB/m	dB	<u>dB</u>	cm	deg
1.1	124, 23	39, 92	-3, 58	43, 50	57, 16	12.64	1, 20	31, 08		Peak
2	130.71	37.39	-6.11	43.50	55.54	11.70	1.24	31.09		Peak
3	139.89	31.79	-11.71	43.50	51.29	10.25	1.29	31.04		Peak
4	941.90	25.93	-20.07	46.00	31.50	20.83	3.90	30.30		Peak
5	976.90	27.21	-26.79	54.00	32.44	21.07	3.97	30.27		Peak
б	992 30	27 33	-26 67	54 00	32 41	21 18	4 00	30 27		Peak

SPORTON International Inc.

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Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: SHF-EHF HORN HORIZONTAL
: PDA Phone
! 120Yac 60Hz
: FR 760116-01
: 11b Tx_Ch11; 2462MHz
: 11
: E2

	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dB u¥	dB /m	₫B	<u>dB</u>	cm	deg	
1 2 3 4 6 5 6 7 8	2384.00 2384.00 2462.00 2462.00 2499.46 2499.46 8091.00	40. 71 102. 24 99. 13 52. 97	-22. 94 -13. 29 -21. 03 -12. 72 -17. 32 -7. 79	74. 00 54. 00 74. 00 54. 00 74. 00 54. 00	52. 49 42. 15 103. 61 100. 50 54. 32 42. 63 45. 16 34. 69	30. 25 30. 25 30. 29 30. 29 30. 30 30. 30 39. 53 39. 53	3. 75 3. 75 3. 84 3. 88 3. 88 7. 89 7. 89	35. 44 35. 49 35. 49 35. 53 35. 53 35. 90 35. 90	100 100 100 100 100 100 100	25 0 25 0 25 0	Peak Average Peak Average Peak Average Peak Average

Remark: #3 and #4 Fundamental Signal

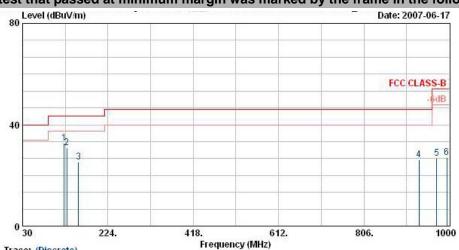
SPORTON International Inc.

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Report Issued Date : Jul. 10, 2007
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Report No. : FR760116-01

Polarization : Vertical

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



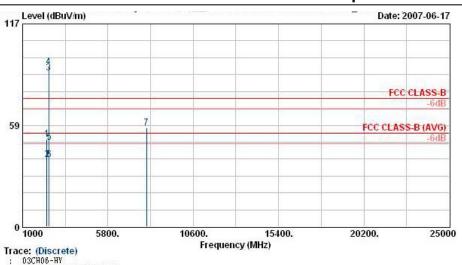
Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) VERTICAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: 11b Tx_Ch11;2462MHz
: 11
: E2

4.10	pr 2052	Freq	Level	Over Limit	Limit Line	Read/ Level	ntenna Factor	2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBu∛/m	dB	dBuY/m	dB uV	dB/m	dB	dB	cm	deg	
1		124. 23	32. 78	-10.72	43.50	50.02	12.64	1.20	31.08			Peak
2		130.44	30.85	-12.65	43.50	49.01	11.70	1.24	31.09			Peak
3		156.63	25.34	-18.16	43.50	44.80	10.21	1.38	31.04			Peak
2 3 4 5		931.40	26. 25	-19.75	46.00	31.93	20.75	3.88	30.31			Peak
5		971.30	26.68	-27.32	54.00	31.96	21.03	3.96	30.28			Peak
6		994.40	26.95	-27.05	54.00	32.01	21.20	4.01	30.27			Peak

SPORTON International Inc.

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Site Condition EUT Power Model Memo Data Rate Plane 5800.

Trace: (Discrete)
: 03CH06-HV
: SHF-EHF HORN VERTICAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: 11b Tx_Ch11;2462MHz
: II
: E2

	Freq	Level	Over Limit	Limit Line		Antenna Factor	1112320000000	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuY/m		dBu√m	dB u₹	dB/m	dB	<u>dB</u>	cm	deg	
1 2 3 @	2368. 00 2368. 00 2462. 00	38. 72 88. 66	-23. 43 -15. 28	74. 00 54. 00	52. 03 40. 18 90. 03	30. 24 30. 24 30. 29	3. 73 3. 73 3. 84	35. 44 35. 44 35. 49	100 100 100	346 346	Peak Average Average
4 X 5 6 7	2462. 00 2492. 15 2492. 15 7977. 00	48. 91 38. 89	-15.11	74.00 54.00 74.00	93. 44 50. 26 40. 24 45. 62	30, 29 30, 30 30, 30 39, 55	3. 84 3. 88 3. 88 7. 78	35. 49 35. 53 35. 53 35. 85	100 100 100	0 346	Peak Peak Average Peak

Remark: #3 and #4 Fundamental Signal

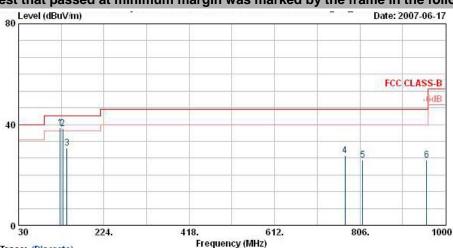
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 87 of 115
Report Issued Date : Jul. 10, 2007
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Report No. : FR760116-01

Test Mode : Mode 4Polarization : Horizontal

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



Site Condition EUT Power Model

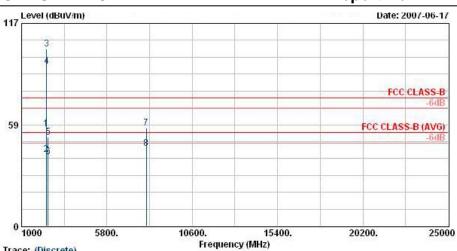
Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) HORIZONTAL
: PDA Phone
: 120Yac 60Hz
: FR 760116-01
: lig T*_Ch01;2412MHz
: 54
: E2

Memo Data Pate Plane	lig Tx_Ch01;24 54 E2	12 WHz									
	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∛/m	dB	dBu∛/m	dB uV	dB/m	dB	<u>dB</u>	cm	deg	
I @	124, 23	38.69	-4.81	43.50	55. 93	12.64	1.20	31.08	119	228	QP
2 !	130.44	38.44	-5.06	43.50	56.60	11.70	1.24	31.09			Peak
2 ! 3 4	139.89	30.50	-13.00	43.50	50.01	10.25	1.29	31.04			Peak
4	771.80	27.59	-18.41	46.00	35.18	19.56	3.36	30.51			Peak
5	812.40	26.01	-19.99	46.00	33.12	19.91	3.46	30.47			Peak
6	957.30	26.01	-19.99	46.00	31.42	20.94	3.93	30.28			Peak

SPORTON International Inc.

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Site Condition EUT Power Model Memo Data Rate Plane

Trace: (Discrete)
: 03CH06-HY
: SHF-EHF HORN HORIZONTAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: 11g Tx_Ch01;2412MHz
: 54
: E2

	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∛/m	dB	dBuV/m	dB uV	dB ∕m	dB	<u>dB</u>	cm	deg	
2	2390. 00 2390. 00	41.18	-17. 75 -12. 82	74.00 54.00	57.02 41.95	30.26	4. 42 4. 42		100 100	173	Peak Average
ġ ġ	2412.00 2412.00	102. 09 92. 33		T	102. 86 93. 10	100 00000000000000000000000000000000000	4. 42 4. 42	35.46	100	173	Peak Average
	2498.00 2498.00	40.18	-22. 61 -13. 82	74.00 54.00	52.11 40.90	30.30 30.30	4. 51 4. 51	35. 53 35. 53	100	173	Peak Average
	8007.00 8007.00	170 P. S.	-17. 41 -9. 24	74.00 54.00	45. 04 33. 21	39. 60 39. 60	7. 81 7. 81	35. 86 35. 86	100 100	0.505.595.0	Peak Average

1234 @ 5678 Remark: #3 and #4 Fundamental Signal

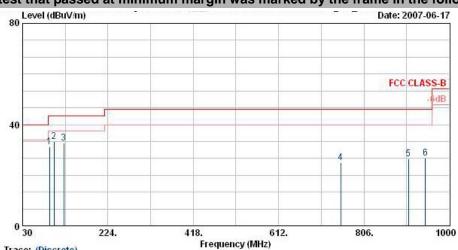
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 89 of 115 Report Issued Date : Jul. 10, 2007 Report Version : Rev. 02

FCC TEST REPORT Report No. : FR760116-01

Polarization : Vertical

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



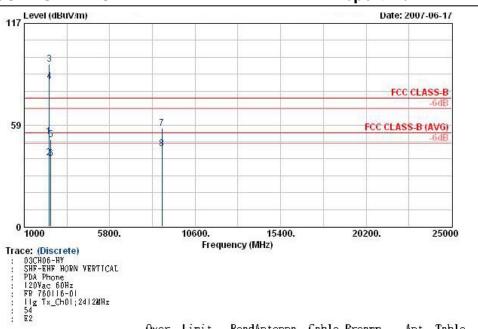
Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) YERTICAL
: PDA Phone
: 120Yac 60Hz
: FR 760116-01
: 11g T*_Ch01;2412MHz
: 54
: E2

		Freq	Level	Over Limit		T. 100 P. 100 P. 100 T. 100	Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	_	MHz	dBu√m		dBuY/m	dB u¥	dB/m	dB	<u>dB</u>	cm	deg	
Ī		91.29	31, 22	-12, 28	43.50	52.08	9, 23	1.04	31.12			Peak
2		101.28	33. 25	-10.25	43.50	52. 26	11.07	1.07	31.15	115	174	Peak
2 3 4 5		123.69	32.62	-10.88	43.50	49.86	12.64	1.20	31.08			Peak
4		752.90	24.93	-21.07	46.00	32.74	19.38	3.33	30.53			Peak
5		906.90	26.33	-19.67	46.00	32.27	20.58	3.83	30.36			Peak
6		945 40	26 78	-19.22	46 00	32 30	20.85	3 91	30 29			Peak

SPORTON International Inc.

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Site Condition EUT Power Model Memo Data Wate Plane

	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m		dBu∛/m	dB u₹	dB/m	d B	dB	cm	deg	
1 2 3 @ 4 @	2390.00 2390.00 2412.00 2412.00		-22. 05 -14. 40	74. 00 54. 00	52. 72 40. 37 94. 29 84. 34	30. 26 30. 26 30. 27 30. 27	4. 42 4. 42 4. 42 4. 42	35. 46 35. 46 35. 46 35. 46	100 100 100 100	178 0	Peak Average Peak Average
5 6 7 8	2484.00 2484.00 8736.00 8736.00	50. 14 39. 28	-14.72	74. 00 54. 00 74. 00 54. 00	50. 86 40. 01 45. 28 33. 49	30. 29 30. 29 38. 87 38. 87	4. 49 4. 49 8. 72 8. 72	35. 51 35. 51 36. 27 36. 27	100 100 100 100 110	0 178 0	Peak Average Peak Average

Remark: #3 and #4 Fundamental Signal

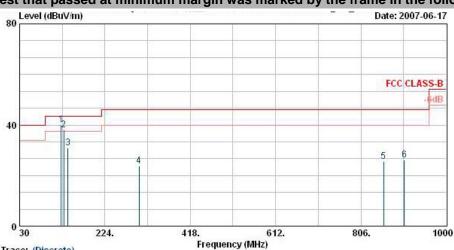
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 91 of 115 Report Issued Date : Jul. 10, 2007 Report Version : Rev. 02

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Test Mode : Mode 5Polarization : Horizontal

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



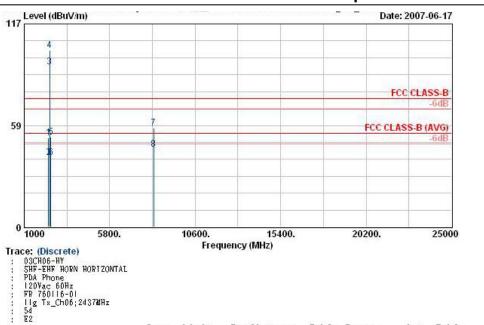
Site Condition EUT Power Model Memo Data Rate Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) HORIZONTAL
: PDA Phone
: 120Vac 50Hz
: FF 760116-01
: 11g Tx_Ch06;2437MHz
: 54
: E2

rialle	; 62	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table Pos Remark
	_	MHz	dBu∀/m	dB	$\overline{\mathrm{d} B \mathrm{u} V/\mathrm{m}}$	dB u¥	dB/m	dB	dB	cm	deg ——
1 !		124, 23	40, 08	-3, 42	43, 50	57, 32	12, 64	1, 20	31.08	110	105 Peak
2 !		130.44	38.16	-5.34	43.50	56.32	11.70	1.24	31.09	10000	Peak
2! 3 4		139.89	30.97	-12.53	43.50	50.47	10.25	1.29	31.04		Peak
4		301.40	23.88	-22.12	46.00	39.60	13.26	1.95	30.93		Peak
5		857.90	25.67	-20.33	46.00	32.21	20.23	3.65	30.42		Peak
6		904.80		-19.82	46,00	32, 15	20.56	3, 83	30, 36		Peak

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 92 of 115
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Site Condition EUT Power Model Memo Data Rate Plane	Tra	nce: (Discrete) 03CH06-HY 03CH06-HY SHF-EHF HORN HI PDA PHONE 120Vac 60Hz FR 760116-01 11g Tx_Ch06;24 54 E2					,					
		Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBu∛/m	dB	dBu∛/m	dB uV	dB/m	dB	dB	cm	deg	- 3
1 2 3 @ 4 X 5		2364.00 2364.00 2437.00 2437.00 2494.00	51.51 39.94 92.37 101.63 51.64	-22. 49 -14. 06	74.00 54.00	52. 30 40. 74 93. 12 102. 39 52. 36	30. 24 30. 24 30. 28 30. 27 30. 30	4. 38 4. 38 4. 45 4. 45 4. 51	35. 42 35. 42 35. 47 35. 47 35. 53	100 100 100 100	173 173 0 0	Peak Average Average Peak Peak
6 7 8		2494. 00 8271. 00 8271. 00	39. 90 56. 79 44. 86	-14.10 -17.21 -9.14	54. 00 74. 00 54. 00	40. 62 45. 30 33. 38	30. 30 39. 38 39. 38	4. 51 8. 10 8. 10	35. 53 36. 00 36. 00	100 100 100	0	Average Peak Average

Remark: #3 and #4 Fundamental Signal

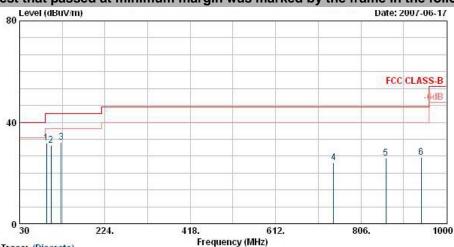
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 93 of 115
Report Issued Date : Jul. 10, 2007
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Report No. : FR760116-01

Polarization : Vertical

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



Site Condition EUT Power Model

Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) VERTICAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: Ilg Tx_Ch06;2437MHz
: 54
: E2

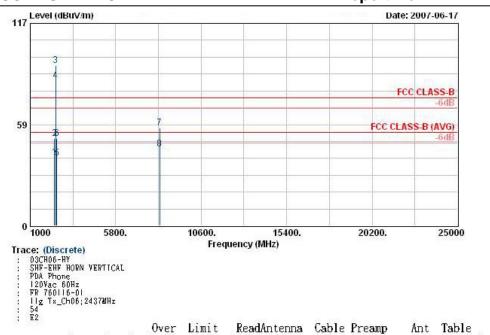
	14 1000	Freq	Level	Over Limit			Intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	_	MHz	dBu√m	dB	dBuV/m	dB u₹	dB/m	dB		cm	deg	
1		91.29	31.72	-11.78	43.50	52. 58	9. 23	1.04	31.12	2222		Peak
2		101.28	30.98	-12.52	43.50	49.99	11.07	1.07	31.15			Peak
3		124.23	32.00	-11.50	43.50	49.24	12.64	1.20	31.08	121	38	Peak
4		743.80	24.15	-21.85	46.00	32.07	19.30	3.32	30.54	222	-58	Peak
5		862.80	25.79	-20.21	46.00	32.27	20.27	3.67	30.41			Peak
6		943, 30	26.04	-19.96	46,00	31.59	20.84	3.91	30. 29			Peak

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 94 of 115 Report Issued Date : Jul. 10, 2007 Report Version

: Rev. 02

Report No. : FR760116-01



uata wate Plane	i F2 Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos Remark
	MHz	dBuV/m	dB	dBu∛/m	dB u¥	dB/m	dB	dB	cm	deg
1 2 3 X 4 @	2358. 00 2358. 00 2437. 00 2437. 00	50. 46 92. 56	-23.54	54. 00 74. 00	40.18 51.25 93.31 84.56	30. 24 30. 24 30. 27 30. 28	4. 38 4. 38 4. 45 4. 45	35. 42 35. 47	100 100 100	178 Average Peak 0 Peak 178 Average
5 6 7 8	2484.00 2484.00 8262.00 8262.00	50. 42 56. 37	-23.58 -17.63	54. 00 74. 00 74. 00 54. 00	40. 01 51. 15 44. 89 33. 04	30. 29 30. 29 39. 39 39. 39	4. 49 4. 49 8. 08 8. 08	35. 51 35. 51 36. 00 36. 00	100 100 100 100	178 Average O Peak O Peak 249 Average

Remark: #3 and #4 Fundamental Signal

SPORTON International Inc.

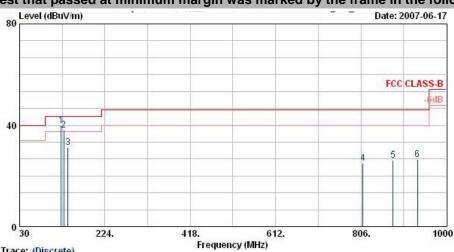
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 95 of 115
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Test Mode : Mode 6Polarization : Horizontal

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

Report No.

: FR760116-01



ite : 03 ondition : LF

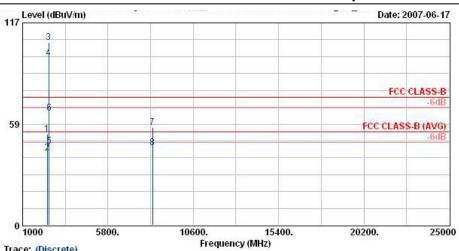
Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: LF-ANT(051121) HORIZONTAL
: PDA Phone
: 12DYac 60Hz
: FR 760116-01
: lig Tx_Ch11;2462MHz
: 54
: E2

i iano	pt 1852	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBu∛/m	dB	dBu∛/m	dB uV	dB/m	dB	dB	cm	deg	- 8
1!		124, 23	39, 91	-3, 59	43, 50	57.15	12.64	1, 20	31.08	107	254	Peak
2 !		130.44	38.12	-5.38	43.50	56, 28	11.70	1.24	31.09			Peak
2 ! 3 4		139.89	31.23	-12.27	43.50	50.73	10.25	1.29	31.04			Peak
4		810.30	25.00	-21.00	46.00	32.14	19.89	3.45	30.48			Peak
5		878.90	26.31	-19.69	46.00	32.59	20.38	3.73	30.39			Peak
6		934.90	26.48	-19.52	46.00	32.12	20.78	3.89	30.31			Peak

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 96 of 115
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Site Condition EUT Power Model Memo Data Wate Plane Trace: (Discrete)
: 03CH06-HY
: SHF-EHF HORN HORIZONTAL
: PDA Phone
: 120Yac 60Hz
: FF 760116-01
: 11g Tx_Chil; 2462MHz
: 54
: E2

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∀/m	dB	dBu∛/m	dB uV	dB/m	dB	dB	cm	deg	
1 2 3 X 4 @	2384. 00 2384. 00 2462. 00 2462. 00	52. 68 41. 84 105. 80 96. 55	-21. 32 -12. 16	74. 00 54. 00	53. 47 42. 62 106. 53 97. 29	30, 25 30, 25 30, 29 30, 29	4. 40 4. 40 4. 47 4. 47	35. 44 35. 44 35. 49 35. 49	100 100 100 100	172 0	Peak Average Peak Average
5 6 7 8	2483.50 2483.50 8322.00 8322.00	45. 48 64. 63 56. 52 44. 73	-8.52 -9.37 -17.48 -9.27	54. 00 74. 00 74. 00 54. 00	46. 21 65. 36 45. 06 33. 27	30. 29 30. 29 39. 34 39. 34	4. 49 4. 49 8. 14 8. 14	35. 51 35. 51 36. 02 36. 02	100 100 100 100	172 0 0	Average Peak Peak Average

Remark: #3 and #4 Fundamental Signal

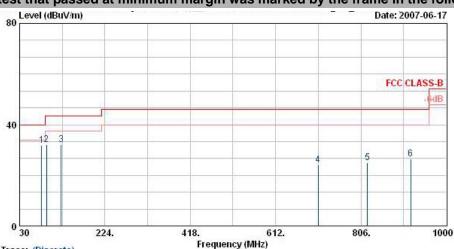
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 97 of 115
Report Issued Date : Jul. 10, 2007
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Report No. : FR760116-01

Polarization : Vertical

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



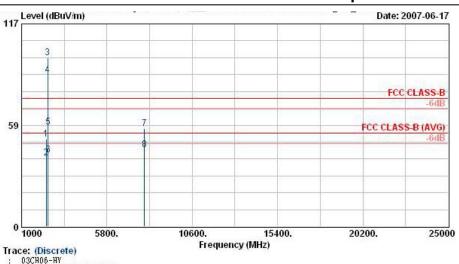
Site Condition EUT Power Model Memo Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) VERTICAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: 11g Tx_Ch11;2462MHz
: 54
: E2

	N ATE	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m	dB	dBuY/m	dBu₹	dB/m	dB	dB	cm	deg	
Ī		79.68	31.89	-8.11	40.00	54. 55	7.46	0.97	31.09	115	341	Peak
2		91.29	32. 25	-11.25	43.50	53.11	9.23	1.04	31.12			Peak
3		124.23	32. 21	-11.29	43.50	49.45	12.64	1.20	31.08			Peak
4		708.80	23.94	-22.06	46.00	32, 29	18.97	3, 26	30.58			Peak
5		820.80	24.91	-21.09	46.00	31.92	19.96	3.49	30.47			Peak
6		918.80	26.32	-19.68	46.00	32.14	20.66	3.86	30.34			Peak

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 98 of 115
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Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)

: 03CH06-HY
: SHF-EHF HORN YERTICAL
: PDA Phone
! 120Vac 60Hz
: FR 760!18-0!
! Ilg Tx_Chil; 2462MHz
: 54
: E2

	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∀/m	dB	dBuY/m	dB uV	dB /m	dB	<u>dB</u>	cm	deg	
1 2 3 X 4 @	2388. 00 2388. 00 2462. 00 2462. 00	50. 25 39. 68 97. 28 87. 51	-23. 75 -14. 32	74. 00 54. 00	51.03 40.46 98.02 88.25	30. 26 30. 26 30. 29 30. 29	4. 40 4. 40 4. 47 4. 47	35. 44 35. 44 35. 49 35. 49	100 100 100 100	261 0	Peak Average Peak Average
5 6 7 8	2483.50 2483.50 7911.00 7911.00	57. 63 41. 46 56. 72 44. 51	-12.54	74. 00 54. 00 74. 00 54. 00	58. 36 42. 19 45. 35 33. 14	30. 29 30. 29 39. 48 39. 48	4. 49 4. 49 7. 76 7. 76	35, 51 35, 51 35, 88 35, 88	100 100 100 100	0 261 0	Peak Average Peak Average

Remark: #3 and #4 Fundamental Signal

SPORTON International Inc.

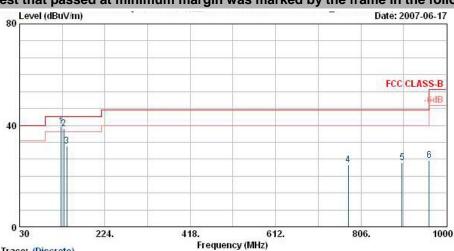
TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 99 of 115
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Test Mode : Mode 7 Polarization : Horizontal

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

Report No.

: FR760116-01



Site Condition EUT Power Model Memo Data Rate Plane

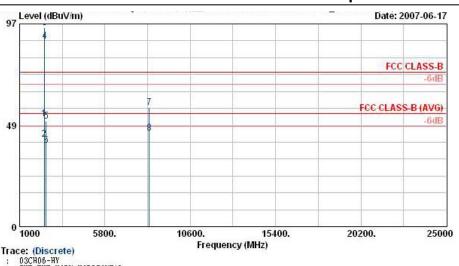
Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) HORIZONTAL
: PDA Phone
: 120Yaz 60Hz
: FR 760116-01
: BT Tx_Ch00;2402MHz
: E2

	n ene	Freq	Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBu∀/m	dB	dBu∛/m	dB u¥	dB/m	dB	dB	cm	deg	
1!	124	4. 23	39.51	-3.99	43.50	56. 75	12.64	1.20	31.08	121	237	QP
2 !	130	0.44	38.65	-4.85	43.50	56.81	11.70	1.24	31.09			Peak
2!	13'	7.19	31.84	-11.66	43.50	51.04	10.57	1.28	31.06			Peak
4	77'	7.40	24.31	-21.69	46.00	31.84	19.61	3.37	30.51			Peak
5	899	9.90	25.35	-20.65	46.00	31.37	20.53	3.82	30.37			Peak
6	960	0.80	26.14	-27.86	54.00	31.51	20.96	3.94	30.28			Peak

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 100 of 115 Report Issued Date : Jul. 10, 2007 Report Version : Rev. 02

Report No. : FR760116-01



Site Condition EUT Power Model Memo Data Rate Plane | 5800. | Trace: (Discrete) | 03CH06-HY | SHF-EHF HORN HORIZONTAL | PDA Phone | 120Vac 60Hz | FF 760116-01 | BT Tx_Ch00;2402MHz | DH5 | E2

	Freq	Level	Over Limit	Limit Line		intenna Factor	111232000000	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBu∛/m	dB uV	dB/m	dB		cm	deg	
1 2 3 X	2386.00 2386.00	41.72	-22. 44 -12. 28	74. 00 54. 00	52. 34 42. 50	30. 26 30. 26	4. 40 4. 40	35. 44 35. 44	100	5	Peak Average
3 X 4 @ 5	2402. 00 2402. 00	95. 37 88. 76		a contrara	96. 15 89. 53	30. 26 30. 26	4. 42 4. 42	35.46	100 100	5	Peak Average
5 6	2484. 00 2484. 00	39.09		74. 00 54. 00	51. 26 39. 82	30. 29 30. 29	4. 49 4. 49	35. 51 35. 51	100 100		Peak Average
7 8	8292. 00 8292. 00	56. 98 44. 75	-17. 02 -9. 25	74. 00 54. 00	45. 50 33. 27	39. 37 39. 37	8. 12 8. 12	36. 01 36. 01	100 100		Peak Average

Remark: #3 and #4 Fundamental Signal

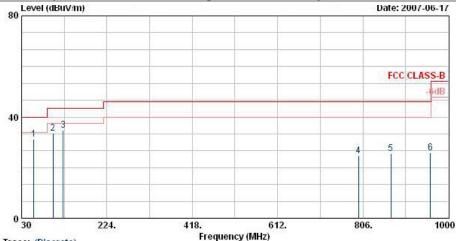
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 101 of 115
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FCC TEST REPORT Report No. : FR760116-01

Polarization : Vertical

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



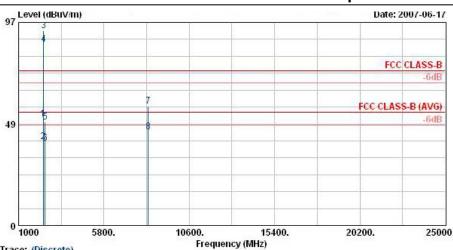
Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) YEPTICAL
: PDA Phone
: 120Yac 60Hz
: FR 760116-01
: BT Tx_Ch00;2402MHz
: DH5
: E2

	18 10000	Freq	Level	Over Limit	70.000		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	_	MHz	dBu∀/m	dB	dBu∛/m	dB u∀	dB/m	dB	dB -	cm	deg	
1		57. 54	31.22	-8. 78	40.00	54.51	7.06	0.84	31.18			Peak
2		101.28	33.47	-10.03	43.50	52.49	11.07	1.07	31.15	17076		Peak
2 3		124.23	34.86	-8.64	43.50	52.10	12.64	1.20	31.08	117	308	Peak
4		796.30	24.70	-21.30	46.00	32.01	19.78	3.40	30.49	222	500	Peak
5		869.80	25.66	-20.34	46.00	32.05	20.32	3.70	30.41			Peak
6		959 40	25 79	-20.21	46 00	31 18	20 95	3 94	30 28			Peak

SPORTON International Inc.

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Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: SHP-ENF HORN VERTICAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: BT Tx_Ch00;2402MHz
: DH5
: E2

	Freq	Level	Over Limit			Intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∛/m	dB	dBu∛/m	dB uV	dB/m	dB	dB	cm	deg	
1 2 3 X	2386. 00 2386. 00 2402. 00	40. 13 92. 88	-23. 16 -13. 87	74. 00 54. 00	51.62 40.91 93.66	30. 26 30. 26 30. 26	4. 40 4. 40 4. 42	35. 44 35. 46	001 801 001	210 0	Peak Average Peak
4 @ 5	2402. 00 2494. 00 2494. 00		-24.58 -14.85	74. 00 54. 00	87. 17 50. 13 39. 87	30. 26 30. 30 30. 30	4. 42 4. 51 4. 51	35. 46 35. 53 35. 53	801 001 801	0	Average Peak Average
7 8	8292.00 8292.00	56.98	700700-0000		45. 50 33. 27	39. 37 39. 37	8. 12 8. 12	36. 01 36. 01	100	0	Peak Average

Remark: #3 and #4 Fundamental Signal

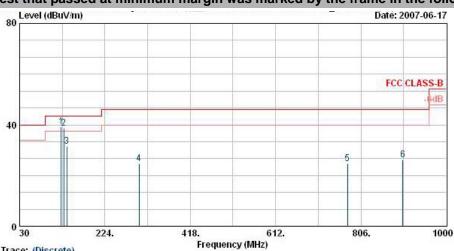
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 103 of 115
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Report No. : FR760116-01

Test Mode : Mode 8 Polarization : Horizontal

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



Site Condition EUT Power Model Memo Data Rate Plane

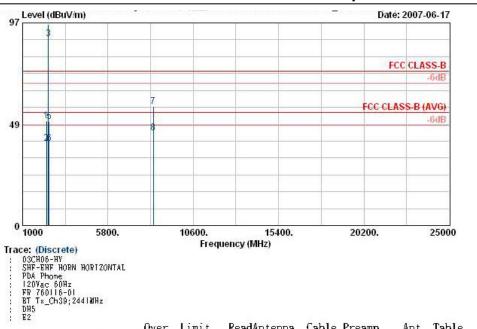
Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) HORTZONTAL
: PDA Phone
: 12DYac 60Hz
: FR 760116-01
: BT Tx_Ch39;2441MHz
: DH5
: E2

	Freq	Level	Over Limit		F	Antenna Factor		Preamp Factor	Ant Pos	Table Pos Rema	ark
	MHz	dBu∛/m	dB	dBu∛/m	dB u¥	dB/m	dB	dB	cm	deg	
1 @	124. 23	39. 36	-4.14	43.50	56, 60	12.64	1.20	31.08	125	258 QP	
2 !	130.44	38. 52	-4.98	43.50	56.68	11.70	1.24	31.09	2.23	Peal	k
3	137.19	31.41	-12.09	43.50	50.62	10.57	1.28	31.06		Peal	k
4	301.40	24.68	-21.32	46.00	40.40	13.26	1.95	30.93		Peal	k
5	775.30	24.80	-21.20	46.00	32.35	19.59	3.37	30.51		Peal	k
6	901.30	26.05	-19.95	46.00	32.06	20.54	3.82	30.37		Peal	k

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 104 of 115 Report Issued Date : Jul. 10, 2007 Report Version : Rev. 02

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Site Condition EUT Power Model

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBu∛/m	dB uV	dB/m	dB	<u>dB</u>	cm	deg	
1 2 3 @ 4 @	2344.00 2344.00 2441.00 2441.00		-23. 95 -14. 68	74. 00 54. 00	50. 85 40. 12 90. 25 97. 06	30. 24 30. 24 30. 28 30. 28	4. 38 4. 38 4. 47 4. 45	35. 42 35. 42 35. 49 35. 47	100 100 100 100	9 9	Peak Average Average Peak
5 6 7 8	2494.00 2494.00 8346.00 8346.00	49. 88 39. 18		74. 00 54. 00 74. 00 54. 00	50. 60 39. 90 45. 47 32. 91	30. 30 30. 30 39. 32 39. 32	4. 51 4. 51 8. 18 8. 18	35. 53 35. 53 36. 04 36. 04	100 100 100 114	0 9 0	Peak Average Peak Average

Remark: #3 and #4 Fundamental Signal

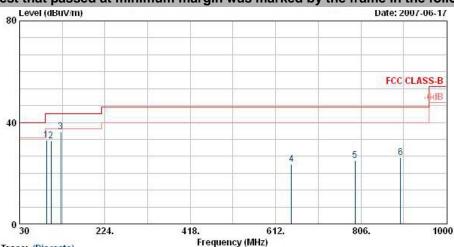
SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 105 of 115 Report Issued Date : Jul. 10, 2007 Report Version : Rev. 02

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Polarization : Vertical

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



Site Condition EUT Power Model

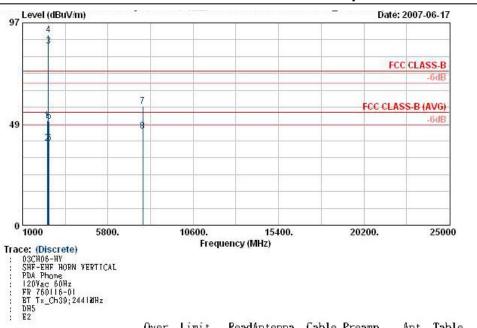
Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) YERTICAL
: PDA Phone
: 120Yac 60Hz
: FR 760116-01
: BT Tx_Ch39;2441MHz
: DH5
: E2

Memo Data Pate Plane	BT Tx_Ch: DH5 E2		l MHz									
		Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
		MHz	dBuV/m		dBuV/m	dB uV	dB/m	dB	<u>dB</u>	cm	deg	
Ī	9	1. 29	32. 98	-10.52	43.50	53.83	9. 23	1.04	31.12			Peak
2	10	1.28	32.64	-10.86	43.50	51.65	11.07	1.07	31.15	100000		Peak
2 3 4 5 6	12	3.69	36.35	-7.15	43.50	53.59	12.64	1.20	31.08	104	312	QP
4	64	7.90	23.36	-22.64	46.00	32.24	18.67	3.10	30.65	222	202	Peak
5	79	2.80	25.08	-20.92	46.00	32.44	19.75	3.40	30.50			Peak
6	89	6.40	26.32	-19.68	46.00	32.39	20.50	3.80	30.37			Peak

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID: UJU9QDENIM000 Page No. : 106 of 115 Report Issued Date : Jul. 10, 2007 Report Version : Rev. 02

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Site Condition EUT Power Model

	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∀/m	dB	dBu∛/m	dB u¥	dB/m	dB	dB	cm	deg	
1 2 3 @ 4 @	2390.00 2390.00 2441.00 2441.00	50. 06 39. 35 85. 70 91. 17		74. 00 54. 00	50. 84 40. 12 86. 45 91. 92	30, 26 30, 26 30, 28 30, 28	4. 42 4. 42 4. 47 4. 45	35. 46 35. 46 35. 49 35. 47	001 801 801 001	353 353	Peak Average Average Peak
5 6 7 8	2494.00 2494.00 7752.00 7752.00	39.17	-24. 29 -14. 83 -16. 85 -8. 91	74. 00 54. 00 74. 00 54. 00	50. 43 39. 89 46. 15 34. 09	30. 30 30. 30 39. 25 39. 25	4. 51 4. 51 7. 70 7. 70	35, 53 35, 53 35, 95 35, 95	001 801 001 801	353 0	Peak Average Peak Average

Remark: #3 and #4 Fundamental Signal

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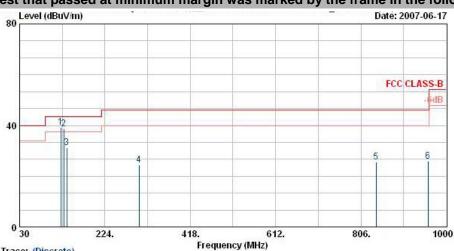
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Test Mode : Mode 9 Polarization : Horizontal

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

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Site Condition EUT EDI Power Model Memo Data Rate Plane

Trace: (Discrete)

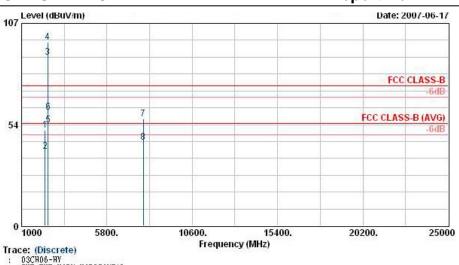
: 03CH06-HY
: LF-ANT(951121) HORIZONTAL
: PDA Phone
: 120Vac 60Hz
: FF 760116-01
: BT Tx_Ch78;2480MHz
: DH5
: E2

	Fre	q Level	Over Limit			Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	МН	z dBuV/m	dB	dBu√m	dB u¥	dB/m	dB	dB	cm	deg	
1!	123.6	9 39.18	-4.32	43.50	56.42	12.64	1.20	31.08	131	253	QP
2!	130.4	4 38.63	-4.87	43.50	56.79	11.70	1.24	31.09			Peak
3	137.1	9 31.15	-12.35	43.50	50.35	10.57	1.28	31.06			Peak
4	301.4	0 24.33	-21.67	46.00	40.05	13.26	1.95	30.93			Peak
5	840.4	0 25.70	-20.30	46.00	32.47	20.10	3.57	30.44			Peak
6	958. 7	0 26.01	-19.99		31.41	20.94	3.94	30.28			Peak

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Site Condition EUT Power Model Memo Data Rate Plane Trace: (Discrete)
: 03CH06-HY
: SHF-EHF HORN HORIZONTAL
: PDA Phone
: 120Vac 60Hz
: FR 760116-01
: BT Tx_Ch76;2480MHz
: DH5
: E2

	Freq	Level	Over Limit	Limit Line		intenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark	
		MHz	dBu∀/m	dB	dBu∛/m	dB uV	dB/m	dB	dB	cm	deg	18
1 2 3 @ 4 X	2	2328. 00 2328. 00 2480. 00 2480. 00	50. 53 39. 26 89. 03 96. 98		74. 00 54. 00	51.34 40.07 89.76 97.70	30. 23 30. 23 30. 29 30. 29	4. 36 4. 36 4. 49 4. 49	35. 40 35. 40 35. 51 35. 51	100 100 100 100	9	Peak Average Average Peak
5 !	2	2483.50	53.46	-0.54	54.00	54.19	30.29	4.49	35.51	100	9	Average
6 7 8	Į.	2483. 50 7842. 00 7842. 00	59. 92 56. 51 44. 32	-14.08 -17.49 -9.68	74. 00 74. 00 54. 00	60. 65 45. 33 33. 13	30. 29 39. 37 39. 37	4. 49 7. 73 7. 73	35, 51 35, 91 35, 91	100 100 112	0	Peak Peak Average

Remark: #3 and #4 Fundamental Signal

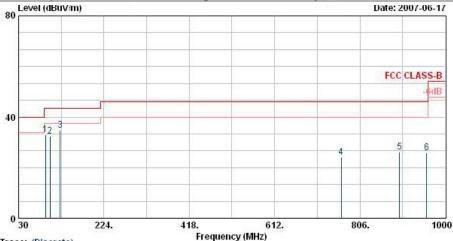
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Polarization : Vertical

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



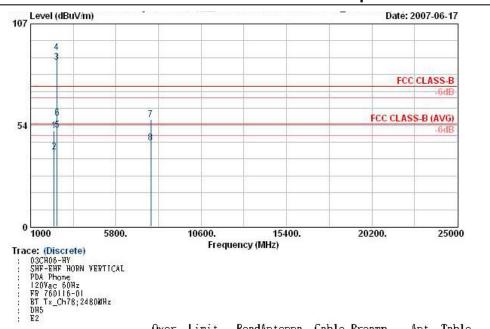
Site Condition EVT Power Model Memo Data Wate Plane Trace: (Discrete)
: 03CH06-HY
: LF-ANT(951121) YERTICAL
: PDA Phone
: 120Yac 60Hz
: FR 760116-01
: BT Tx_Ch78; 2480MHz
: DH5
: E2

	18 10000	Freq	Level	Over Limit	70.000		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	_	MHz	dBu∀/m	dB	dBu∛/m	dB u∀	dB/m	dB	dB -	cm	deg	
1		91.29	33.05	-10.45	43.50	53. 91	9. 23	1.04	31.12			Peak
2		101.28	32.32	-11.18	43.50	51.34	11.07	1.07	31.15	7.50		Peak
2 3		124.23	34.68	-8.82	43.50	51.92	12.64	1.20	31.08	105	271	Peak
4		763.40	24.09	-21.91	46.00	31.78	19.48	3.35	30.52		222	Peak
5		896.40	26.17	-19.83	46.00	32.24	20.50	3.80	30.37			Peak
6		957 30	25 90	-20.10	46 00	31 31	20 94	3 93	30 28			Peak

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Site Condition EUT Power Model

	Freq	Level	Over Limit	Limit Line		ntenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBu∀/m	dB	dBuY/m	dB uV	dB /m	dB	<u>dB</u>	cm	deg	
1 2 3 @ 4 X	2328. 00 2328. 00 2480. 00 2480. 00	50. 42 39. 25 86. 52 92. 01	-23. 58 -14. 75	74. 00 54. 00	51. 23 40. 06 87. 25 92. 73	30. 23 30. 23 30. 29 30. 29	4. 36 4. 36 4. 49 4. 49	35. 40 35. 40 35. 51 35. 51	100 100 100 100	213 213	Peak Average Average Peak
5 ! 6 7 8	2483.50 2483.50 7761.00 7761.00	50. 89 57. 43 56. 67 43. 99	-17.33	54. 00 74. 00 74. 00 54. 00	51. 62 58. 16 45. 64 32. 96	30. 29 30. 29 39. 27 39. 27	4. 49 4. 49 7. 71 7. 71	35, 51 35, 51 35, 95 35, 95	100 100 100 100	213 0 0	Average Peak Peak Average

Remark: #3 and #4 Fundamental Signal

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5.12 Antenna Requirements

5.12.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no other antenna except assembled by the responsible party shall be used with the device.

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And according to FCC 47 CFR Section 15.247 (b), if directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

5.12.2 Antenna Connected Construction

The antennas used in this product are PIFAs for both WLAN and BT without connector and it is considered to meet antenna requirement of FCC.

5.12.3 Antenna Gain

The antenna gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output powen limit.

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6. List of Measuring Equipments Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100132	9kHz – 2.75GHz	Jul. 04, 2006	Jul. 04, 2007	Conduction (CO01-HY)
LISN	MessTec	NNB-2/16Z	2001/004	9kHz – 30MHz	Mar. 30, 2007	Mar. 30, 2008	Conduction (CO01-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	2001/009	9kHz – 30MHz	Mar. 30, 2007	Mar. 30, 2008	Conduction (CO01-HY)
EMI Filter	LINDGREN	LRE-2060	1004	< 450Hz	N/A	N/A	Conduction (CO01-HY)
EMI Filter	LINDGREN	N6006	201052	0 – 60Hz	N/A	N/A	Conduction (CO01-HY)
RF Cable-CON	Suhner Switzerland	RG223/U	CB029	9kHz – 30MHz	Dec. 04, 2006	Dec. 04, 2007	Conduction (CO01-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GH z	N/A	N/A	Conduction (CO01-HY)
Spectrum analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 05, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 13, 2006	Jul. 12, 2007	Radiation (03CH06-HY)
Controller	INN-CO	CO2000	N/A	N/A	N/A	N/A	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	10094	1G~18G	Dec. 26, 2006	Dec. 25, 2007	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBEC K	BBHA 9170	9170-249	14G - 40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Pre Amplifier	Mini Circuits	ZKL-2	D092004-1	10~2500MHz	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0 ~ 360 degree	N/A	N/A	Radiation (03CH06-HY)
Antenna Mast	INN-CO	MM3000	114/8000604/L	1 m - 4 m	N/A	N/A	Radiation (03CH06-HY)
Base Station Simulator	R&S	CMU200	106656	WCDMA	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Amplifier	MITEQ	AMF-6F-260400	923364	26.5 GHz - 40 GHz	Jan. 22, 2007	Jan. 22, 2008	Radiation (03CH06-HY)

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7. Uncertainty Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncerta	()		
	٩D	Probability	$u(x_i)$	
	dB	Distribution		
Receiver reading	0.10	Normal(k=2)	0.05	
Cable loss	0.10	Normal(k=2)	0.05	
AMN insertion loss	2.50	Rectangular	0.63	
Receiver Spec	1.50	Rectangular	0.43	
Site imperfection	1.39	Rectangular	0.80	
Mismatch	+0.34/-0.35	U-shape	0.24	
combined standard uncertainty Uc(y)	1.13			
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)		2.26		

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Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncerta			
	٩D	Probability	$u(x_i)$	
	dB	Distribution		
Receiver reading	0.11	Normal(k=2)	0.06	
Antenna factor calibration	0.91	Normal(k=2)	0.46	
Cable loss calibration	0.12	Normal(k=2)	0.06	
Pre Amplifier Gain calibration	0.15	Normal(k=2)	0.08	
RCV/SPA specification	2.50	Rectangular	0.72	
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29	
Site imperfection	1.52	Rectangular	0.88	
Mismatch	+0.45/-0.48	U-shaped	0.33	
combined standard uncertainty Uc(y)	1.30			
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)		2.60		

The measured result is : $y dBuV \pm U dB$

for a level of confidence of approximately 95% , (k=2)

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Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncerta	inty of X_i	$u(x_{\cdot})$	Ci	$Ci * u(x_i)$			
	dB	Probability	$u(x_i)$	Ci	$Ci \ u(x_i)$			
		Distribution						
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10			
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85			
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25			
Receiver Correction	±2.00	Rectangular	1.15	1	1.15			
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87			
Site imperfection	±2.80	Triangular	1.14	1	1.14			
Mismatch								
Receiver VSWR Γ1= 0.197	+0.34/-0.35	U-shaped	0.244	1	0.244			
Antenna VSWR Γ2= 0.194	+0.34/-0.33	O-snapeu	0.244	'	0.244			
Uncertainty=20log(1-Γ1*Γ2*Γ3)								
Combined standard uncertainty Uc(y)	2.36							
Measuring uncertainty for a level of	4.70							
confidence of 95% U=2Ue(y)	4.72							

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