

APPLICATION FOR CERTIFICATION

On Behalf of

Hewlett-Packard Company

Personal Digital Assistant or Pocket PC

Model No. : HSTNH-L12C-WL

Brand: HP

FCC ID : BEJPDA-L12C-WL

Prepared for : Hewlett-Packard Company
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TABLE OF CONTENTS

Description	Page
TEST REPORT CERTIFICATION	4
1. GENERAL INFORMATION	6
1.1. Description of Device (EUT).....	6
1.2. Tested Supporting System Details	7
1.3. Description of Test Facility	8
1.4. Measurement Uncertainty	9
2. CONDUCTED EMISSION MEASUREMENT.....	10
2.1. Test Equipment.....	10
2.2. Block Diagram of Test Setup.....	10
2.3. Conducted Emission Limits (§15.207)	11
2.4. Operating Condition of EUT	11
2.5. Test Procedure	11
2.6. Conducted Emission Measurement Results.....	12
3. RADIATED EMISSION MEASUREMENT	21
3.1. Test Equipment.....	21
3.2. Test Setup	21
3.3. Radiated Emission Limits (§15.209)	23
3.4. Operating Condition of EUT	23
3.5. Test Procedure	24
3.6. Radiated Emission Measurement Results.....	24
4. 6dB BANDWIDTH MEASUREMENT (WLAN).....	123
4.1. Test Equipment.....	123
4.2. Block Diagram of Test Setup.....	123
4.3. Specification Limits (§15.247(a)(2))	123
4.4. Operating Condition of EUT	123
4.5. Test Procedure	123
4.6. Test Results.....	124
5. MAXIMUM PEAK OUTPUT POWER MEASUREMENT (WLAN).....	128
5.1. Test Equipment.....	128
5.2. Block Diagram of Test Setup.....	128
5.3. Specification Limits (§15.247(b)-(3)).....	128
5.4. Operating Condition of EUT	128
5.5. Test Procedure	128
5.6. Test Results	128
6. EMISSION LIMITATIONS MEASUREMENT (WLAN).....	129
6.1. Test Equipment.....	129
6.2. Block Diagram of Test Setup.....	129
6.3. Specification Limits (§15.247(c)).....	129
6.4. Operating Condition of EUT	129
6.5. Test Procedure	129
6.6. Test Results.....	129
7. BAND EDGES MEASUREMENT (WLAN)	134
7.1. Test Equipment.....	134
7.2. Block Diagram of Test Setup.....	134
7.3. Specification Limits (§15.247(c)).....	134
7.4. Operating Condition of EUT	134
7.5. Test Procedure	134
7.6. Test Results.....	134

8. POWER SPECTRAL DENSITY MEASUREMENT (WLAN)137
 8.1. Test Equipment..... 137
 8.2. Block Diagram of Test Setup..... 137
 8.3. Specification Limits (§15.247(d))..... 137
 8.4. Operating Condition of EUT 137
 8.5. Test Procedure 137
 8.6. Test Results 138

9. CARRIER FREQUENCY SEPARATION MEASUREMENT (BLUETOOTH)142
 9.1. Test Equipment..... 142
 9.2. Block Diagram of Test Setup..... 142
 9.3. Specification Limits (§15.247(a)(1)) 142
 9.4. Operating Condition of EUT 142
 9.5. Test Procedure 142
 9.6. Test Results..... 143

10. 20dB BANDWIDTH MEASUREMENT (BLUETOOTH)145
 10.1. Test Equipment..... 145
 10.2. Block Diagram of Test Setup 145
 10.3. Specification Limits (§15.247(a)(1))..... 145
 10.4. Operating Condition of EUT 145
 10.5. Test Procedure 145
 10.6. Test Results 146

11. TIME OF OCCUPANCY MEASUREMENT (BLUETOOTH)148
 11.1. Test Equipment..... 148
 11.2. Block Diagram of Test Setup 148
 11.3. Specification Limits (§15.247(a)(1)(iii))..... 148
 11.4. Operating Condition of EUT 148
 11.5. Test Procedure 148
 11.6. Test Results 149

12. NUMBER OF HOPPING CHANNELS MEASUREMENT (BLUETOOTH)153
 12.1. Test Equipment..... 153
 12.2. Block Diagram of Test Setup 153
 12.3. Specification Limits (§15.247(a)(1)(iii))..... 153
 12.4. Operating Condition of EUT 153
 12.5. Test Procedure 153
 12.6. Test Results 153

13. MAXIMUM PEAK OUTPUT POWER MEASUREMENT (BLUETOOTH).....155
 13.1. Test Equipment..... 155
 13.2. Block Diagram of Test Setup 155
 13.3. Specification Limits (§15.247(b)-(1)) 155
 13.4. Operating Condition of EUT 155
 13.5. Test Procedure 155
 13.6. Test Results 156

14. EMISSION LIMITATIONS MEASUREMENT (BLUETOOTH).....157
 14.1. Test Equipment..... 157
 14.2. Block Diagram of Test Setup 157
 14.3. Specification Limits (§15.247(c)) 157
 14.4. Operating Condition of EUT 157
 14.5. Test Procedure 157
 14.6. Test Results 158

15. BAND EDGES MEASUREMENT (BLUETOOTH)160
 15.1. Test Equipment..... 160
 15.2. Block Diagram of Test Setup 160
 15.3. Specification Limits (§15.247(c)) 160
 15.4. Operating Condition of EUT 160
 15.5. Test Procedure 160

15.6. Test Results 160

16. DEVIATION TO TEST SPECIFICATIONS162

17. PHOTOGRAPHS163

17.1. Photos of Conducted Emission Measurement 163

17.2. Photos of Radiated Measurement at Semi-Anechoic Chamber..... 165

17.3. Photo of 6dB Bandwidth Measurement (WLAN)..... 170

17.4. Photo of Maximum Peak Output Power Measurement (WLAN) 171

17.5. Photo of Emission Limitations Measurement (WLAN)..... 172

17.6. Photo of Band Edges Measurement (WLAN)..... 173

17.7. Photo of Power Spectral Density Measurement (WLAN) 174

17.8. Photo of Carrier Frequency Separation Measurement (Bluetooth)..... 175

17.9. Photo of 20dB Bandwidth Measurement (Bluetooth) 175

17.10. Photo of Time of Occupancy Measurement (Bluetooth)..... 176

17.11. Photo of Number of Hopping Channels Measurement (Bluetooth) 176

17.12. Photo of Maximum Peak Output Power Measurement (Bluetooth)..... 177

17.13. Photo of Emission Limitations Measurement (Bluetooth)..... 177

17.14. Photo of Band Edges Measurement (Bluetooth) 178

TEST REPORT CERTIFICATION

Applicant : Hewlett-Packard Company
 Manufacturer #1 : LG Electronics Inc.
 Manufacturer #2 : LG Electronics (Kunshan) Computer Co., Ltd.
 EUT Description : Personal Digital Assistant or Pocket PC
 FCC ID : BEJPDA-L12C-WL
 (A) MODEL NO. : HSTNH-L12C-WL
 (B) SERIAL NO. : N/A
 (C) BRAND : HP
 (D) POWER SUPPLY : DC 5V
 (E) TEST VOLTAGE : (1)AC 120V, 60Hz (via Switching Power Supply)
 (2)DC 3.7V (Battery or via DC Power Supply)

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART C, FEBRUARY 2006
AND ANSI C63.4/2003

(FCC CFR 47 Part 15C, §15.205, §15.207, §15.209 and §15.247)

The device described above was tested by AUDIX COPORATION to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15 subpart C limits.

The measurement results are contained in this test report and AUDIX CORPORATION is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX CORPORATION.

Date of Test: Jun. 19 ~ 21, 2006

Prepared by: Monica Chang Jul. 05, 2006
(Monica Chang/Administrator)

Test Engineer: Alex Deng Jul. 05, 2006
(Alex Deng/Section Manager)

Approved & Authorized Signer: Leon Liu Jul. 5 2006
(Leon Liu/Senior Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Personal Digital Assistant or Pocket PC
Model Number	:	HSTNH-L12C-WL
FCC ID	:	BEJPDA-L12C-WL
Brand Name	:	HP
Applicant	:	Hewlett-Packard Company 20555 SH 249, HOUSTON, TX 77070-2698, U.S.A.
Manufacturer #1	:	LG Electronics Inc. 19-1, Cheongho-Ri, Jinwuy-Myeon, Pyungtaek-Si, Gyeonggi-Do, 451-713, Korea.
Manufacturer #2	:	LG Electronics (Kunshan) Computer Co., Ltd. Qianjindong Rd., Economic & Technical Development District, Kunshan City, Jiangsu Province 215334, China.
Wireless LAN Module (WLAN)	:	SyChip, M/N: WLAN6101EB IEEE 802.11 b/g
Bluetooth Card	:	BROADCOM, M/N: BCM2045
Fundamental Range	:	2400MHz ~ 2483.5MHz
Channel Number	:	WLAN: 11 Bluetooth: 79
Radio Technology	:	WLAN: 802.11b DSSS Modulation 802.11g OFDM Modulation Bluetooth: FHSS Modulation
Antenna Gain	:	WLAN: 2dBi Bluetooth: -1.8dBi
LCD panel	:	Toppoly, M/N: TD035TTEA2
Rechargeable Lithium-Ion Battery	:	HP, M/N: HSTNH-L12B 3.7V, 1700mAh
Earphone	:	Non-Shielded, Detachable, 1.4m

Data Sync Cable (USB Type, Mini-USB Sync Cable/Power Cable)	:	(1)Dong Myung, Shielded, Detachable, 1.2m (2)Phihong, Shielded, Detachable, 1.2m
Switching Power Supply (2-Pin)	:	Phihong, M/N: PSB05R-050Q Input: 100-240V~ 200mA, 50-60Hz, 12-17VA Output: 5V, 1A, BSMI ID: R33084
SD Memory Card (Option)	:	SanDisk / China, Ultra II 1.0GB
Date of Receipt of Sample	:	Jun. 19, 2006
Date of Test	:	Jun. 19 ~ 21, 2006

1.2. Tested Supporting System Details

1.2.1. NOTEBOOK PC

Model Number	:	PP2130
Serial Number	:	5Y32KSQZ40ME
BSMI ID	:	3912A556
FCC ID	:	By DoC
Brand	:	Compaq Computer Corporation
Manufacturer	:	LG Electronics Ltd.
AC Adapter	:	Compaq, M/N PPP009L (LITE-ON, M/N PA-1650-02C) Non-Shielded, Undetachable, 1.8m,
Power Cord	:	Non-Shielded, Detachable, 1.8m

1.2.2. 15" LCD MONITOR

Model Number	:	D5063
Serial Number	:	CN206A6578
FCC ID	:	By DoC
BSMI ID	:	R33037
Manufacturer	:	Top Victory Electronics (Fujian) Co., Ltd.
Data Cable (D-Sub)	:	Shielded, Detachable, 1.8m Bonded two ferrite cores
AC Adapter	:	Delta, M/N ADP-40TB BSMI ID 3892D142 Cord: Shielded, Undetachable, 1.8m Bonded a ferrite core
Power Cord	:	Non-Shielded, Detachable, 1.8m

1.2.3. DOT MATRIX PRINTER

Model Number : ACJ5Z6KX-P2135
 Serial Number : 8DMCNC02203
 FCC ID : ACJ5Z6KX-P2135
 BSMI ID : 3872A371
 Manufacturer : Matsushita (Brand: Panasonic)
 Data Cable : Shielded, Detachable, 1.5m
 Power Cord : Non-Shielded, Undetachable, 1.8m

1.2.4. USB MOUSE

Model Number : M-UV69a
 Serial Number : HCB60403038
 FCC ID : By DoC
 BSMI ID : T4A126
 Manufacturer : LOGITECH (Brand: ASUS)
 Data Cable : Non-Shielded, Undetachable, 1.8m

1.2.5. GPS ANTENNA

Model Number : AT-65
 Serial Number : A0036352
 FCC ID : By DoC
 Manufacturer : Global Sat
 Data Cable : Shielded, Detachable, 5.0m

1.3. Description of Test Facility

Name of Firm : **Audix Corporation**
Technical Division EMC Department
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County 24443, Taiwan, R.O.C.

Test Location & Facility (C3/Semi-AC) : **No. 3 Shielded Room**
 No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County 24443, Taiwan, R.O.C.

Semi-Anechoic Chamber
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County 24443, Taiwan, R.O.C.

May 15, 2006 File on
 Federal Communication Commission
 Registration Number: 90993

NVLAP Lab. Code : 200077-0
 (NVLAP is a NATA accredited body under Mutual Recognition Agreement)

1.4.Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conduction Test	150kHz~30MHz	±1.73dB
Radiation Test (Distance: 3m)	30MHz~300MHz	±2.91dB
	300MHz~1000MHz	±2.94dB
	Above 1GHz	± 5.02dB

Remark : Uncertainty = $k u_c(y)$

Test Item	Uncertainty
6dB Bandwidth	± 1kHz
Maximum peak Output power	± 0.52dBm
Emission Limitations	± 0.13dB
Band Edges	± 0.13dB
Power spectral Density	± 0.33dB
Carrier Frequency Separation	± 1CH
20dB Bandwidth	± 0.2kHz
Time Of Occupancy	± 0.03sec
Number Of Hopping Channels	± 1CH

2. CONDUCTED EMISSION MEASUREMENT

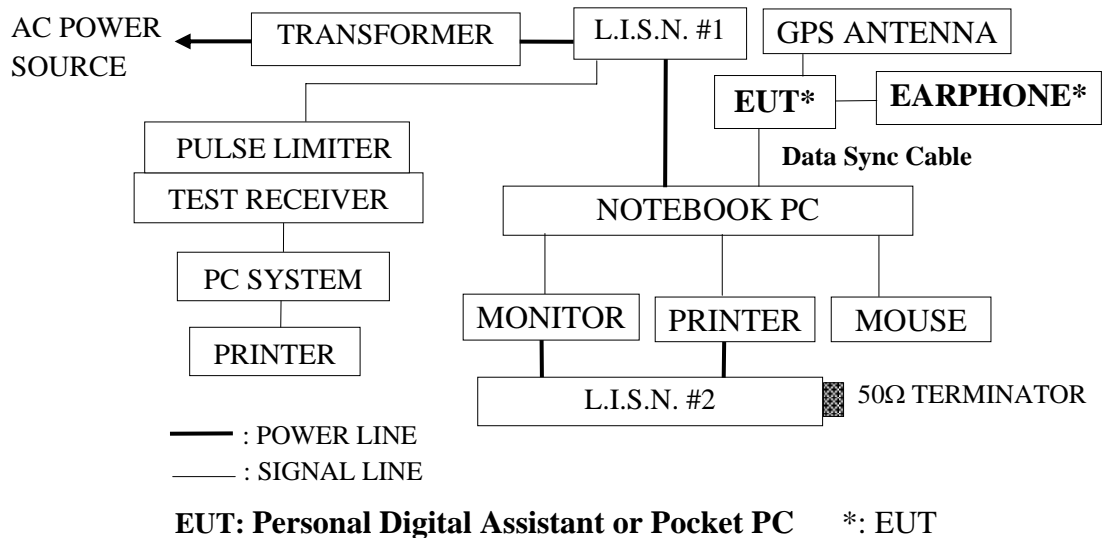
2.1. Test Equipment

The following test equipment were used during the conducted measurement:
(No. 3 Shielded Room)

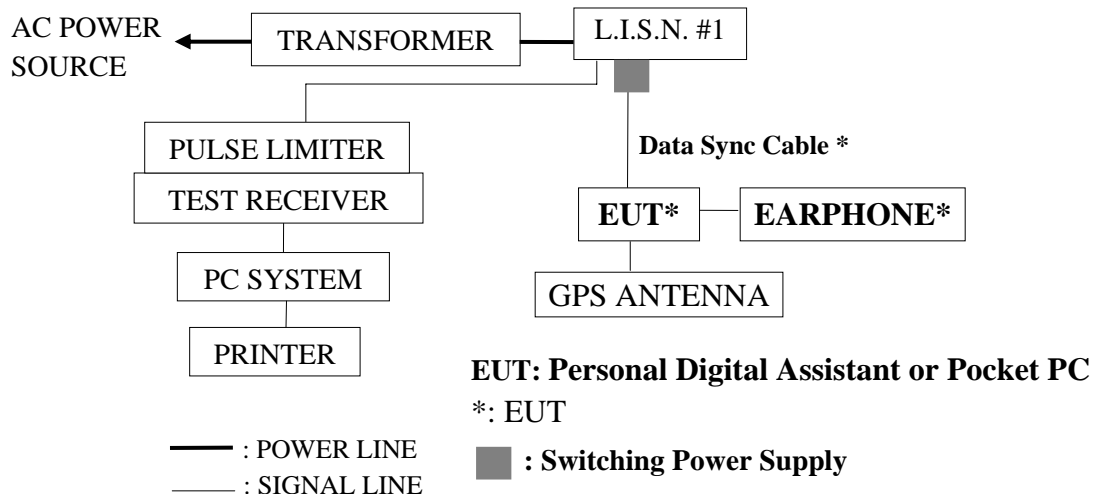
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	Rohde & Schwarz	ESCS 30	100039	Jun. 22, 05'	Jun. 21, 06'
2.	L.I.S.N. # 1	Kyoritsu	KNW-407	8-1370-9	Jun. 06, 06'	Jun. 05, 07'
3.	L.I.S.N. # 2	Kyoritsu	KNW-407	8-1370-10	Jun. 06, 06'	Jun. 05, 07'
4.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100041	Mar. 11, 06'	Mar. 10, 07'

2.2. Block Diagram of Test Setup

2.2.1. Test Mode: Link Notebook PC



2.2.2. Test Mode: AC Charge



2.3. Conducted Emission Limits (§15.207)

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dB μ V	56 ~ 46 dB μ V
500kHz ~ 5MHz	56 dB μ V	46 dB μ V
5MHz ~ 30MHz	60 dB μ V	50 dB μ V

Remark1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.

2.: The lower limit applies at the band edges.

2.4. Operating Condition of EUT

- 2.4.1. Setup the EUT and simulator as shown on 2.2.
- 2.4.2. Turn on the power of all equipment.
- 2.4.3. The Personal Digital Assistant or Pocket PC (EUT) running test program "EMI_TEST" exercised system function.
- 2.4.4. The "H" characters were displayed on the screen of the EUT and the Personal Digital Assistant or Pocket PC (EUT) communicated with the notebook by the program "Active Syne" at the same time during the testing.
- 2.4.5. The Personal Digital Assistant or Pocket PC (EUT) was in AC charge mode during the testing.
- 2.4.6. The Personal Digital Assistant or Pocket PC (EUT) sent sound to the earphone.
- 2.4.7. The other peripheral devices were driven and operated in turn during all testing.

2.5. Test Procedure

The EUT was put on table which was above the ground by 80cm and its switching power supply or Notebook PC's AC adapter was connected to the power mains through a line impedance stabilization network (L.I.S.N. #1) and the other peripheral devices power cord were connected to the power mains through a line impedance stabilization network (L.I.S.N. #2) This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.) Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions simulators of the interface cables should be manipulated according to FCC ANSI C63.4-2003 during conducted measurement.

The bandwidth of the R&S Test Receiver ESCS30 was set at 9kHz.

The frequency range from 150kHz to 30MHz was checked.

All the final readings from Test Receiver were measured with the Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

2.6. Conducted Emission Measurement Results

PASSED. (All the emissions not reported below are too low against the prescribed limits.)

The EUT with following test modes was tested during the testing and all the test results are listed in next pages.

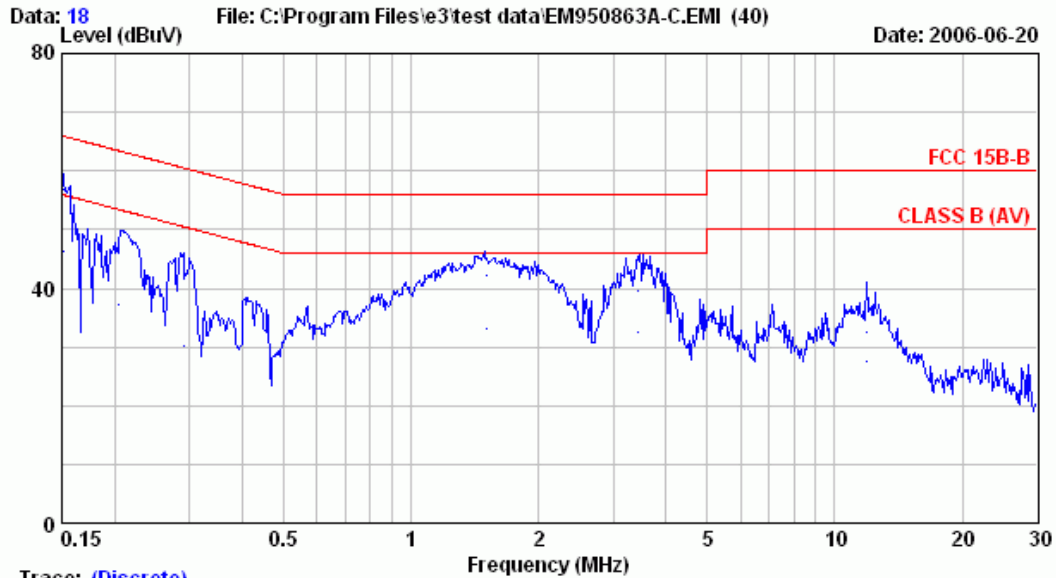
EUT : Personal Digital Assistant or Pocket PC M/N : HSTNH-L12C-WL

Test Date : Jun. 20, 2006 Temperature : 26 Humidity : 59%

No.	Test Voltage	Test Mode	Data Sync Cable (USB Type)	Reference Test Data No.	
				Neutral	Line
1.	AC 120V, 60Hz (Via Switching Power Supply)	Link	Dong Myung	# 18	# 17
2.		Notebook PC	Phihong	# 20	# 19
3.		AC Charge	Dong Myung	# 14	# 13
4.			Phihong	# 16	# 15



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Trace: (Discrete)

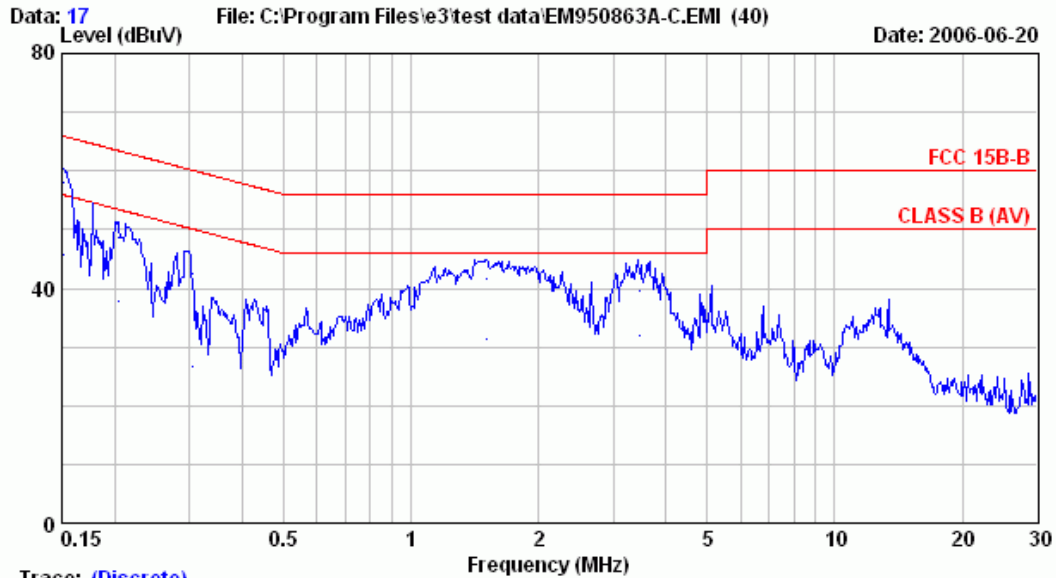
Site	: NO.3 Shielded Room	Data	: 18
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC 15B-B		
Env. / Ins.	: 26°C/59% ESCS30	Engineer:	Joe_Hsieh
EUT	: Personal Digital Assistant or Pocket PC		
Power Rating	: 120Vac/60Hz M/N:HSTNH-L12C-WL		
Test Mode	: Link PC (W/Dong Myung Data Sync Cable)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.151	0.30	0.20	56.32	56.82	65.92	9.10	QP
2	0.151	0.30	0.20	45.77	46.27	55.92	9.65	AVERAGE
3	0.205	0.20	0.20	46.84	47.24	63.40	16.17	QP
4	0.205	0.20	0.20	36.95	37.35	53.40	16.06	AVERAGE
5	0.292	0.15	0.20	41.23	41.58	60.47	18.90	QP
6	0.292	0.15	0.20	29.76	30.11	50.47	20.37	AVERAGE
7	1.507	0.10	0.40	41.81	42.31	56.00	13.69	QP
8	1.507	0.10	0.40	32.47	32.97	46.00	13.03	AVERAGE
9	3.445	0.10	0.40	39.09	39.59	56.00	16.41	QP
10	3.445	0.10	0.40	31.96	32.46	46.00	13.54	AVERAGE
11	11.870	0.14	0.70	31.81	32.65	60.00	27.35	QP
12	11.870	0.14	0.70	26.67	27.51	50.00	22.49	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

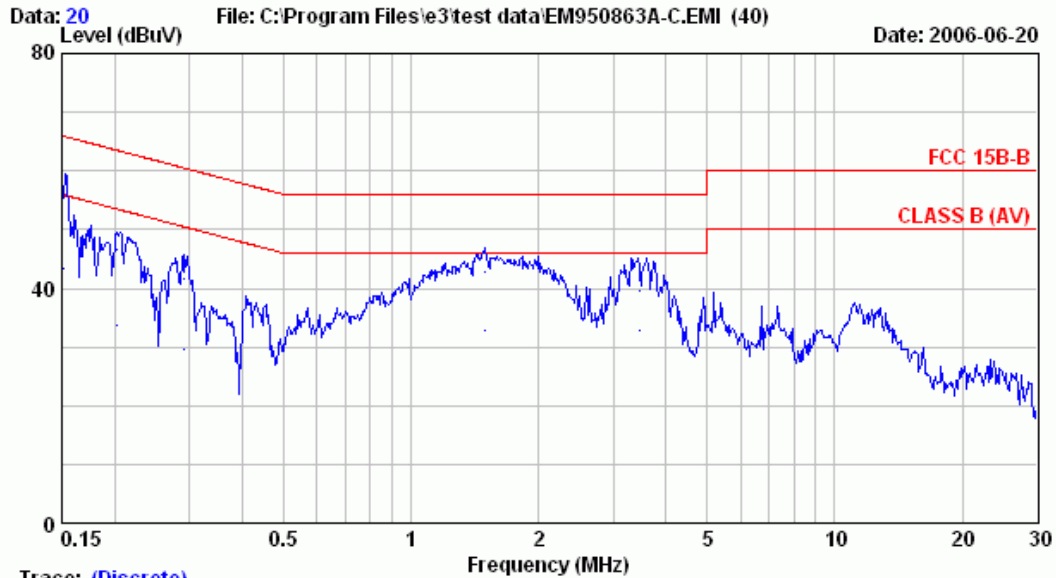
Site	: NO.3 Shielded Room	Data	: 17
Condition	: KNW-407	Phase	: LINE
Limit	: FCC 15B-B		
Env. / Ins.	: 26°C/59% ESCS30	Engineer:	Joe_Hsieh
EUT	: Personal Digital Assistant or Pocket PC		
Power Rating	: 120Vac/60Hz M/N:HSTNH-L12C-WL		
Test Mode	: Link PC (W/Dong Myung Data Sync Cable)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.151	0.30	0.20	57.43	57.93	65.93	8.00	QP
2	0.151	0.30	0.20	45.29	45.79	55.93	10.14	AVERAGE
3	0.205	0.20	0.20	48.35	48.75	63.40	14.66	QP
4	0.205	0.20	0.20	37.32	37.72	53.40	15.69	AVERAGE
5	0.304	0.14	0.20	42.03	42.37	60.14	17.77	QP
6	0.304	0.14	0.20	26.32	26.66	50.14	23.48	AVERAGE
7	1.512	0.10	0.40	41.03	41.53	56.00	14.47	QP
8	1.512	0.10	0.40	30.94	31.44	46.00	14.56	AVERAGE
9	3.458	0.10	0.40	39.01	39.51	56.00	16.49	QP
10	3.458	0.10	0.40	31.55	32.05	46.00	13.95	AVERAGE
11	5.125	0.10	0.60	37.58	38.28	60.00	21.72	QP
12	5.125	0.10	0.60	34.96	35.66	50.00	14.34	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

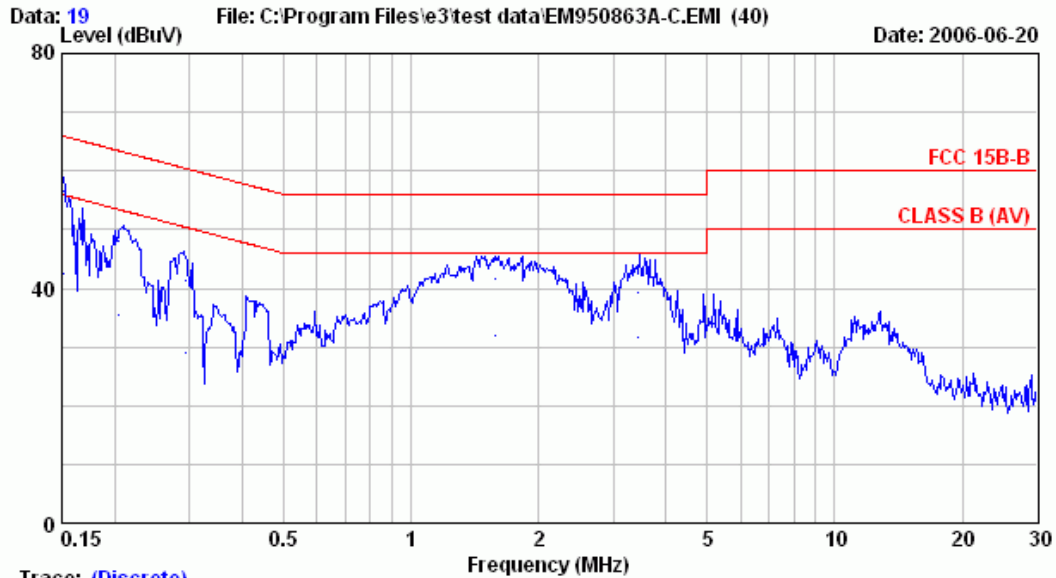
Site	: NO.3 Shielded Room	Data	: 20
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC 15B-B		
Env. / Ins.	: 26°C/59% ESCS30	Engineer:	Joe_Hsieh
EUT	: Personal Digital Assistant or Pocket PC		
Power Rating	: 120Vac/60Hz M/N:HSTNH-L12C-WL		
Test Mode	: Link PC (W/Phihong Data Sync Cable)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.152	0.30	0.20	55.37	55.87	65.89	10.03	QP
2	0.152	0.30	0.20	42.78	43.28	55.89	12.62	AVERAGE
3	0.203	0.20	0.20	46.22	46.62	63.51	16.89	QP
4	0.203	0.20	0.20	33.37	33.77	53.51	19.74	AVERAGE
5	0.290	0.15	0.20	41.13	41.48	60.52	19.04	QP
6	0.290	0.15	0.20	29.15	29.50	50.52	21.02	AVERAGE
7	1.495	0.10	0.40	42.19	42.69	56.00	13.31	QP
8	1.495	0.10	0.40	32.25	32.75	46.00	13.25	AVERAGE
9	3.450	0.10	0.40	39.11	39.61	56.00	16.39	QP
10	3.450	0.10	0.40	32.35	32.85	46.00	13.15	AVERAGE
11	5.201	0.10	0.60	35.44	36.14	60.00	23.86	QP
12	5.201	0.10	0.60	33.45	34.15	50.00	15.85	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

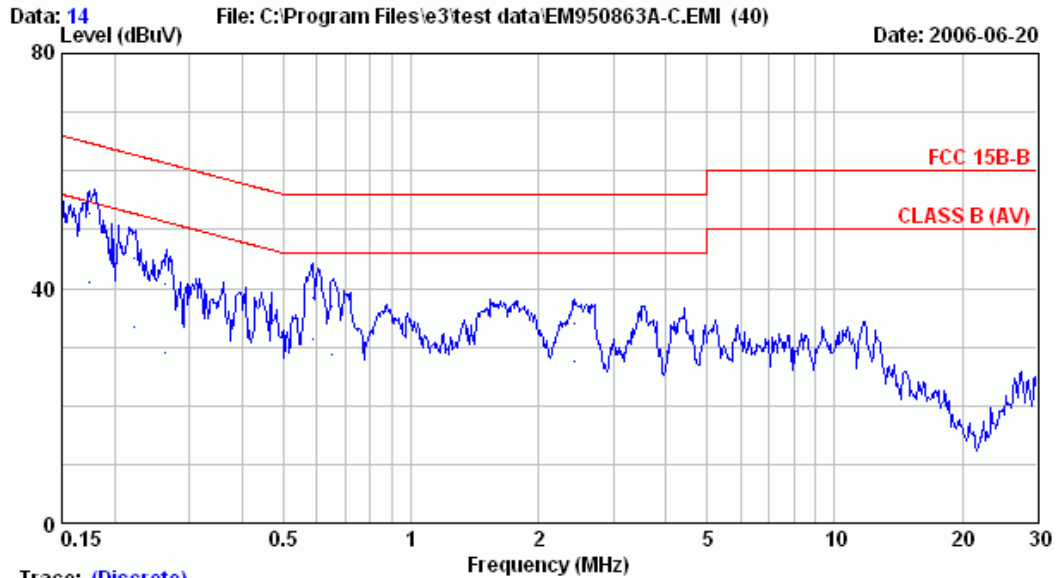
Site	: NO.3 Shielded Room	Data	: 19
Condition	: KNW-407	Phase	: LINE
Limit	: FCC 15B-B		
Env. / Ins.	: 26°C/59% ESCS30	Engineer:	Joe_Hsieh
EUT	: Personal Digital Assistant or Pocket PC		
Power Rating	: 120Vac/60Hz M/N:HSTNH-L12C-WL		
Test Mode	: Link PC (W/Phihong Data Sync Cable)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.151	0.30	0.20	56.10	56.60	65.93	9.33	QP
2	0.151	0.30	0.20	41.95	42.45	55.93	13.48	AVERAGE
3	0.204	0.20	0.20	47.58	47.98	63.43	15.45	QP
4	0.204	0.20	0.20	35.11	35.51	53.43	17.92	AVERAGE
5	0.294	0.14	0.20	41.05	41.39	60.41	19.02	QP
6	0.294	0.14	0.20	28.56	28.90	50.41	21.51	AVERAGE
7	1.584	0.10	0.40	41.17	41.67	56.00	14.33	QP
8	1.584	0.10	0.40	31.31	31.81	46.00	14.19	AVERAGE
9	3.447	0.10	0.40	38.79	39.29	56.00	16.71	QP
10	3.447	0.10	0.40	31.06	31.56	46.00	14.44	AVERAGE
11	5.200	0.10	0.60	35.28	35.98	60.00	24.02	QP
12	5.200	0.10	0.60	33.30	34.00	50.00	16.00	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

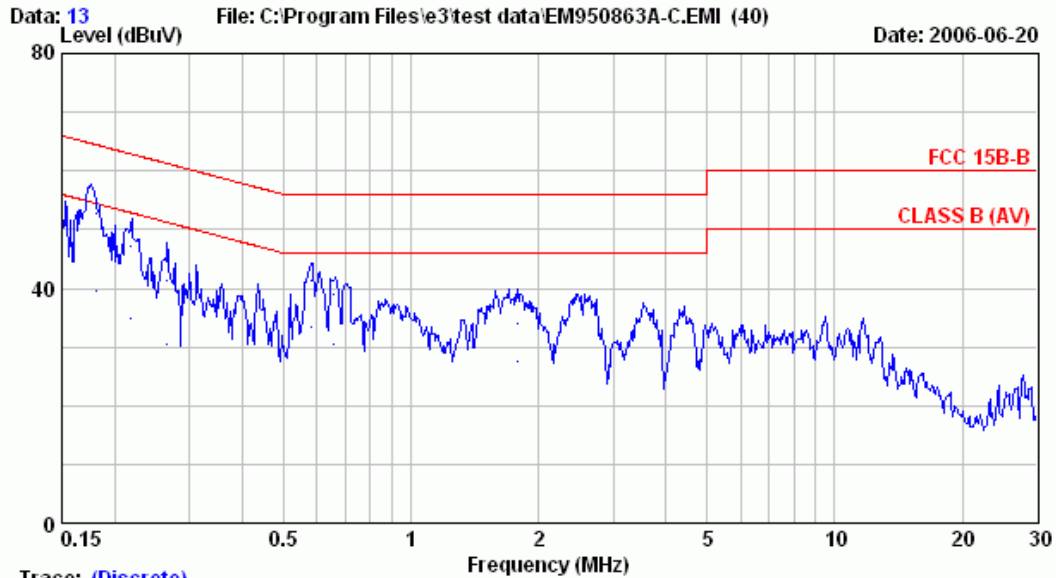
Site	: NO.3 Shielded Room	Data	: 14
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC 15B-B		
Env. / Ins.	: 26°C/59% ESCS30	Engineer:	Joe_Hsieh
EUT	: Personal Digital Assistant or Pocket PC		
Power Rating	: 120Vac/60Hz M/N:HSTNH-L12C-WL		
Test Mode	: AC charge (W/Dong Myung Data Sync Cable)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.174	0.25	0.20	52.26	52.71	64.78	12.07	QP
2	0.174	0.25	0.20	40.60	41.05	54.78	13.73	AVERAGE
3	0.222	0.18	0.20	44.82	45.20	62.76	17.55	QP
4	0.222	0.18	0.20	33.07	33.45	52.76	19.30	AVERAGE
5	0.264	0.16	0.20	40.42	40.78	61.31	20.53	QP
6	0.264	0.16	0.20	28.76	29.12	51.31	22.19	AVERAGE
7	0.586	0.10	0.20	38.06	38.36	56.00	17.64	QP
8	0.586	0.10	0.20	31.11	31.41	46.00	14.59	AVERAGE
9	0.651	0.10	0.20	36.62	36.92	56.00	19.08	QP
10	0.651	0.10	0.20	28.31	28.61	46.00	17.39	AVERAGE
11	2.435	0.10	0.40	33.57	34.07	56.00	21.93	QP
12	2.435	0.10	0.40	27.15	27.65	46.00	18.35	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

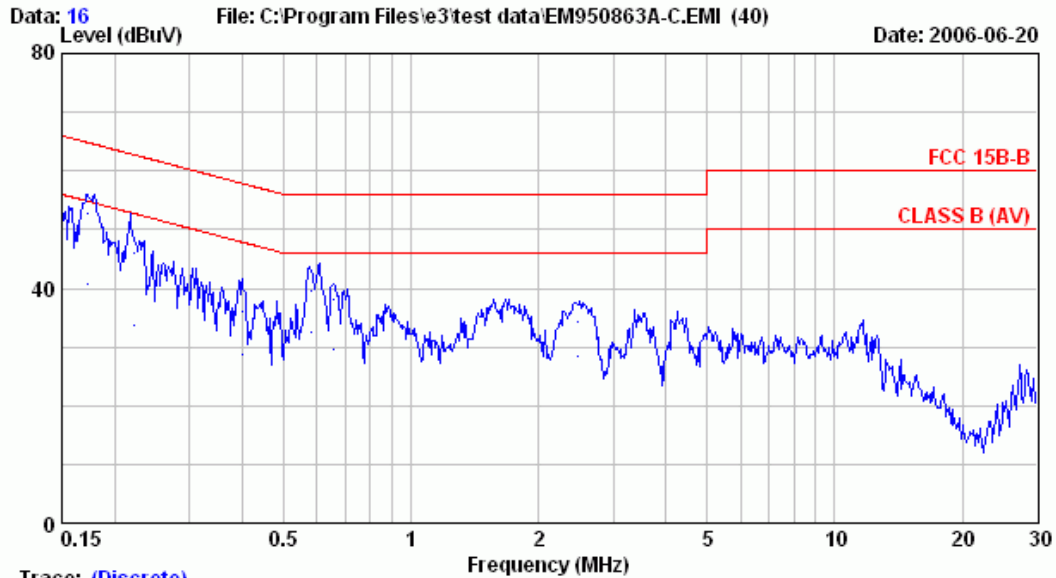
Site : NO.3 Shielded Room Data : 13
 Condition : KNW-407 Phase : LINE
 Limit : FCC 15B-B
 Env. / Ins. : 26°C/59% ESCS30 Engineer: Joe_Hsieh
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz M/N:HSTNH-L12C-WL
 Test Mode : AC charge (W/Dong Myung Data Sync Cable)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.181	0.23	0.20	52.28	52.71	64.43	11.71	QP
2	0.181	0.23	0.20	39.18	39.61	54.43	14.81	AVERAGE
3	0.219	0.19	0.20	46.85	47.24	62.86	15.63	QP
4	0.219	0.19	0.20	34.53	34.92	52.86	17.95	AVERAGE
5	0.265	0.16	0.20	41.03	41.39	61.27	19.88	QP
6	0.265	0.16	0.20	30.21	30.57	51.27	20.70	AVERAGE
7	0.583	0.10	0.20	41.11	41.41	56.00	14.59	QP
8	0.583	0.10	0.20	32.97	33.27	46.00	12.73	AVERAGE
9	0.655	0.10	0.20	38.81	39.11	56.00	16.89	QP
10	0.655	0.10	0.20	30.27	30.57	46.00	15.43	AVERAGE
11	1.790	0.10	0.40	33.54	34.04	56.00	21.96	QP
12	1.790	0.10	0.40	27.09	27.59	46.00	18.41	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

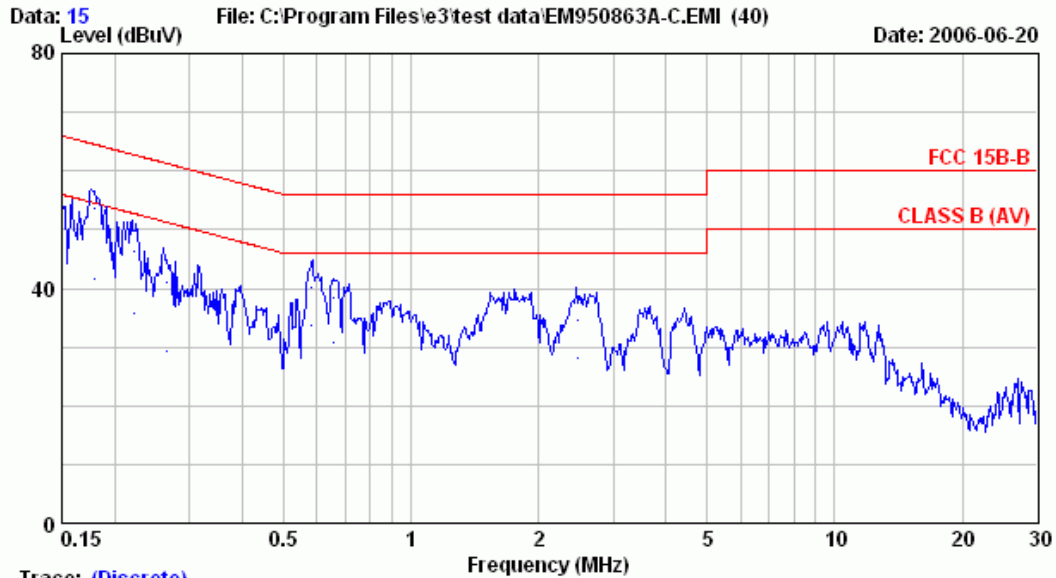
Site	: NO.3 Shielded Room	Data	: 16
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC 15B-B		
Env. / Ins.	: 26°C/59% ESCS30	Engineer:	Joe_Hsieh
EUT	: Personal Digital Assistant or Pocket PC		
Power Rating	: 120Vac/60Hz M/N:HSTNH-L12C-WL		
Test Mode	: AC charge (W/Phihong Data Sync Cable)		

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.173	0.25	0.20	52.43	52.88	64.84	11.95	QP
2	0.173	0.25	0.20	40.22	40.67	54.84	14.16	AVERAGE
3	0.222	0.18	0.20	45.54	45.92	62.73	16.81	QP
4	0.222	0.18	0.20	33.31	33.69	52.73	19.04	AVERAGE
5	0.399	0.10	0.20	35.81	36.11	57.87	21.76	QP
6	0.399	0.10	0.20	28.28	28.58	47.87	19.29	AVERAGE
7	0.583	0.10	0.20	39.14	39.44	56.00	16.56	QP
8	0.583	0.10	0.20	32.29	32.59	46.00	13.41	AVERAGE
9	0.659	0.10	0.20	37.86	38.16	56.00	17.84	QP
10	0.659	0.10	0.20	29.39	29.69	46.00	16.31	AVERAGE
11	2.464	0.10	0.40	33.70	34.20	56.00	21.80	QP
12	2.464	0.10	0.40	27.99	28.49	46.00	17.51	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

Site : NO.3 Shielded Room Data : 15
 Condition : KNW-407 Phase : LINE
 Limit : FCC 15B-B
 Env. / Ins. : 26°C/59% ESCS30 Engineer: Joe_Hsieh
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz M/N:HSTNH-L12C-WL
 Test Mode : AC charge (W/Phihong Data Sync Cable)

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.179	0.24	0.20	53.26	53.70	64.55	10.85	QP
2	0.179	0.24	0.20	41.25	41.69	54.55	12.86	AVERAGE
3	0.222	0.18	0.20	46.01	46.39	62.75	16.36	QP
4	0.222	0.18	0.20	35.49	35.87	52.75	16.88	AVERAGE
5	0.266	0.16	0.20	40.56	40.92	61.23	20.31	QP
6	0.266	0.16	0.20	28.93	29.29	51.23	21.94	AVERAGE
7	0.579	0.10	0.20	39.94	40.24	56.00	15.76	QP
8	0.579	0.10	0.20	33.50	33.80	46.00	12.20	AVERAGE
9	0.658	0.10	0.20	38.19	38.49	56.00	17.51	QP
10	0.658	0.10	0.20	30.61	30.91	46.00	15.09	AVERAGE
11	2.469	0.10	0.40	34.10	34.60	56.00	21.40	QP
12	2.469	0.10	0.40	27.61	28.11	46.00	17.89	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
 2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

3. RADIATED EMISSION MEASUREMENT

3.1. Test Equipment

The following test equipment was used during the radiated emission measurement:

3.1.1. For Frequency Range 30MHz-1000MHz (Semi-Anechoic Chamber)

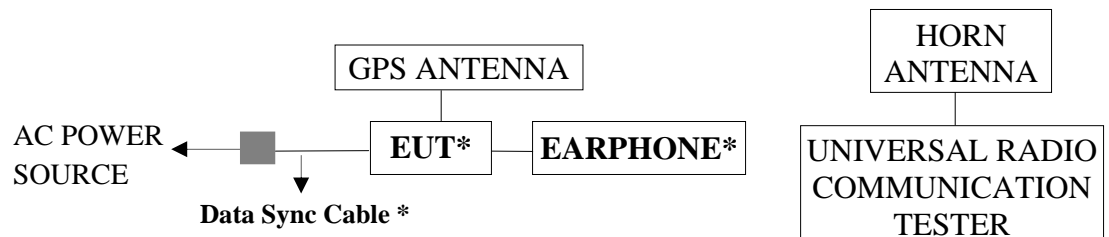
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep. 26, 05'	Sep. 25, 06'
2.	Test Receiver	R & S	ESCS30	100339	Mar. 21, 06'	Mar. 20, 07'
3.	Pre-Amplifier	HP	8447D	2944A06305	Mar. 09, 06'	Mar. 08, 07'
4.	Biconical Antenna	CHASE	VBA6106A	1264	Nov. 11, 05'	Nov. 10, 06'
5.	Log Periodic Antenna	Schwarzbeck	UHALP91 08-A	0139	Dec. 14, 05'	Dec. 13, 06'
6.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'

3.1.2. For Frequency Above 1GHz (Semi-Anechoic Chamber)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep. 26, 05'	Sep. 25, 06'
2.	Pre-Amplifier	HP	8449B	3008A01284	Jul. 05, 05'	Jul. 04, 06'
3.	3.5G High Pass Filter	HP	84300-80038	005	Jan. 11, 06'	Jan. 10, 07'
4.	Horn Antenna	EMCO	3115	9609-4927	Jul. 08, 05'	Jul. 07, 06'
5.	Horn Antenna	EMCO	3116	2653	Oct. 13, 05'	Oct. 12, 06'
6.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'

3.2. Test Setup

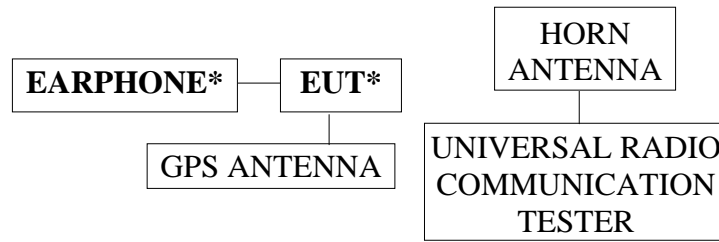
3.2.1. Test Voltage: AC 120V, 60Hz (Via Switching Power Supply)



EUT: Personal Digital Assistant or Pocket PC *: EUT

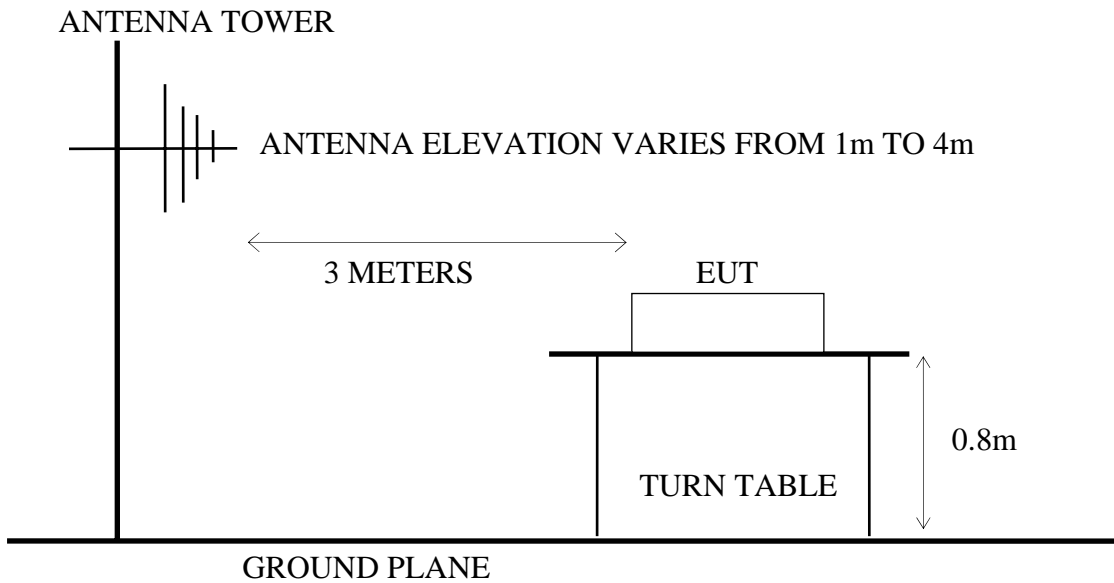
■ : Switching Power Supply*

3.2.2. Test Voltage: DC 3.7V (Battery)

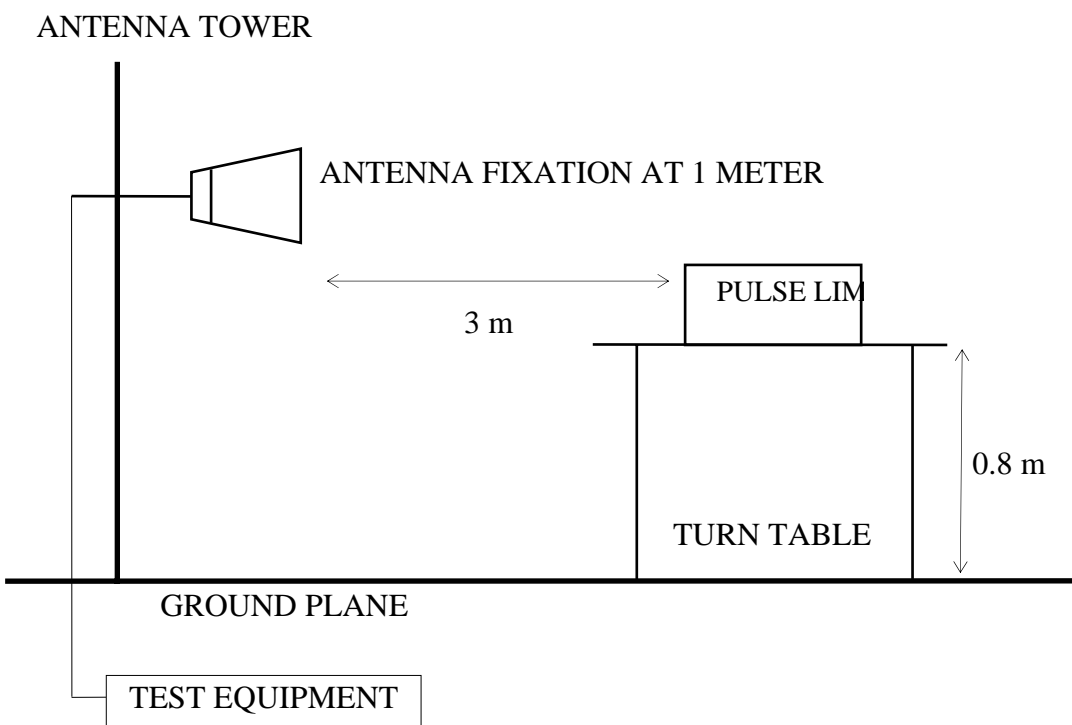


EUT: Personal Digital Assistant or Pocket PC *: EUT

3.2.3. Semi-Anechoic Chamber (3m) Setup Diagram for 30-1000MHz



3.2.4. Semi-Anechoic Chamber (3m) Setup Diagram for above 1GHz



3.3. Radiated Emission Limits (§15.209)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMITS	
		$\mu\text{V/m}$	$\text{dB}\mu\text{V/m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0
Above 1000	3	74.0 $\text{dB}\mu\text{V/m}$ (Peak) 54.0 $\text{dB}\mu\text{V/m}$ (Average)	

- Remark :
- (1) Emission level ($\text{dB}\mu\text{V/m}$) = 20 log Emission level ($\mu\text{V/m}$)
 - (2) The tighter limit applies at the edge between two frequency bands.
 - (3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
 - (4) The limits in this table are based on CFR 47 Part 15.205(a)(b) and Part 15.209 (a).
 - (5) The over 1GHz limit, FCC limit is used based on CFR 47 Part 15.35 (b) and Part 15.205(b) & Part 15.209(e) and Part 15.207(c).

3.4. Operating Condition of EUT

- 3.4.1. Setup the EUT (Personal Digital Assistant or Pocket PC) and simulator as shown on 3.4.
- 3.4.2. Turned on the power of all equipment.

WLAN

- 3.4.3. Test Voltage AC 120V, 60Hz (via Switching Power Supply): The EUT running the test software "FCC Test_2.exe" set to continuously transmit and receive channels (through wireless LAN module) at selected test frequency during the testing and the EUT was in charge mode at the same time.
- 3.4.4. Test Voltage DC 3.7V (Battery): The EUT running the test software "FCC Test_2.exe" set to continuously transmit and receive channels (through wireless LAN module) at selected test frequency during the testing. (EUT was standing during the testing.)

Bluetooth

- 3.4.5. Test Voltage AC 120V, 60Hz (via Switching Power Supply): The transmitted and received channel functions of the EUT was controlled by the universal radio communication tester through bluetooth during the testing and the EUT was in charge mode at the same time. (Test software "BCM2045USB Test App.exe" was used to set the EUT into the test mode.)
- 3.4.6. Test Voltage DC 3.7V (Battery): The transmitted and received channel functions of the EUT was controlled by the universal radio communication tester through bluetooth during the testing. (Test software "BCM2045USB Test App.exe" was used to set the EUT into the test mode.) (EUT was standing during the testing.)
- 3.4.7. The other peripheral devices were driven and operated in turn during all testing.

3.5. Test Procedure

The EUT and its simulators were placed on a turn table which was 0.8 meter above the ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. EUT was set 3 meters away from the receiving antenna which was mounted on an antenna tower. The antenna moved up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna such as calibrated biconical and log-periodical antenna or horn antenna were used as a receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to FCC ANSI C63.4-2003 regulation.

The bandwidth of the R&S Test Receiver ESCS30 was set at 120kHz. (For 30MHz to 1000MHz)

The resolution bandwidth and video bandwidth of test spectrum analyzer is 1MHz for peak detection (PK) at frequency above 1GHz.

The resolution bandwidth of test spectrum analyzer is 1MHz and the video bandwidth is 10Hz for average detection (AV) at frequency above 1GHz.

The frequency range from 30MHz to 25GHz (Up to 10th harmonics from fundamental frequency) was checked.

3.6. Radiated Emission Measurement Results

PASSED. (All the emissions not reported below are too low against the official limits.)

EUT : Personal Digital Assistant or Pocket PC M/N : HSTNH-L12C-WL

For Frequency Range 30MHz-1000MHz:

Test Date : Jun. 20, 2006 Temperature : 25 Humidity : 52%

The EUT with following test modes was tested during the testing and all the test results are listed in section 3.6.1.

[The worst case (EUT with phihong data sync cable) was selected to test.]

No.	Test Voltage	Test Mode and Frequency			Data Sync Cable (USB Type)	Reference Test Data No.	
						Horizontal	Vertical
1.	AC 120V, 60Hz (Via Switching Power Supply)	WLAN (802.11b)	Transmitting	2412MHz (CH1)	Phihong	# 10	# 9
2.				2437MHz (CH6)		# 9	# 10
3.				2462MHz (CH11)		# 10	# 9
4.			Receiving	2437MHz (CH6)		# 9	# 10
5.	DC 3.7V (Battery)		Transmitting	2412MHz (CH1)		# 10	# 9
6.				2437MHz (CH6)		# 10	# 9
7.				2462MHz (CH11)		# 9	# 10
8.			Receiving	2437MHz (CH6)		# 10	# 9

* Above all final readings were measured with Quasi-Peak detector.

No.	Test Voltage	Test Mode and Frequency			Data Sync Cable (USB Type)	Reference Test Data No.			
						Horizontal	Vertical		
9.	AC 120V, 60Hz (Via Switching Power Supply)	WLAN (802.11g)	Transmitting	2412MHz (CH1)	Phihong	# 10	# 9		
10.				2437MHz (CH6)		# 9	# 10		
11.				2462MHz (CH11)		# 10	# 9		
12.			DC 3.7V (Battery)	Receiving		2437MHz (CH6)	# 9	# 10	
13.	Transmitting					2412MHz (CH1)	# 9	# 10	
14.				2437MHz (CH6)		# 10	# 9		
15.				2462MHz (CH11)		# 9	# 10		
16.	AC 120V, 60Hz (Via Switching Power Supply)		Bluetooth	Receiving		2437MHz (CH6)	# 10	# 9	
17.		Transmitting				2402MHz (CH0)	# 9	# 10	
18.				2441MHz (CH39)		# 10	# 9		
19.				2480MHz (CH78)		# 9	# 10		
20.		DC 3.7V (Battery)		Receiving		2480MHz (CH78)	# 10	# 9	
21.						Transmitting	2402MHz (CH0)	# 9	# 10
22.							2441MHz (CH39)	# 10	# 9
23.							2480MHz (CH78)	# 9	# 10
24.	Receiving	2480MHz (CH78)	# 10	# 9					

* Above all final readings were measured with Quasi-Peak detector.

For Frequency above 1GHz:

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 52%
 Test Date : Jun. 20, 2006 Temperature : 25 Humidity : 52%
 Test Date : Jun. 21, 2006 Temperature : 25 Humidity : 52%

The EUT with following test modes was tested during the testing and all the test results are listed in section 3.6.2.

No.	Test Voltage	Test Mode and Frequency			Data Sync Cable (USB Type)		
						1.	AC 120V, 60Hz (Via Switching Power Supply)
2.	2437MHz (CH6)						
3.	2462MHz (CH11)						
4.	DC 3.7V (Battery)	Receiving	2437MHz (CH6)				
5.			Transmitting	2412MHz (CH1)			
6.		2437MHz (CH6)					
7.		2462MHz (CH11)					
8.	AC 120V, 60Hz (Via Switching Power Supply)	WLAN (802.11g)	Receiving	2437MHz (CH6)			
9.				Transmitting	2412MHz (CH1)		
10.			2437MHz (CH6)				
11.			2462MHz (CH11)				
12.			DC 3.7V (Battery)	Receiving	2437MHz (CH6)		
13.					Transmitting	2412MHz (CH1)	
14.						2437MHz (CH6)	
15.						2462MHz (CH11)	
16.	Receiving	2437MHz (CH6)					

* Above all final readings were measured with Peak detector and Average detector.

No.	Test Voltage	Test Mode and Frequency			Data Sync Cable (USB Type)		
17.	AC 120V, 60Hz (Via Switching Power Supply)	Bluetooth	Transmitting	2402MHz (CH0)	Phihong		
18.				2441MHz (CH39)			
19.				2480MHz (CH78)			
20.			Receiver	2480MHz (CH78)			
21.	DC 3.7V (Battery)		Bluetooth	Transmitting		2402MHz (CH0)	Phihong
22.						2441MHz (CH39)	
23.				2480MHz (CH78)			
24.				Receiver		2480MHz (CH78)	

* Above all final readings were measured with Peak detector and Average detector.

For Restricted Bands:

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 52%
 Test Date : Jun. 20, 2006 Temperature : 25 Humidity : 52%

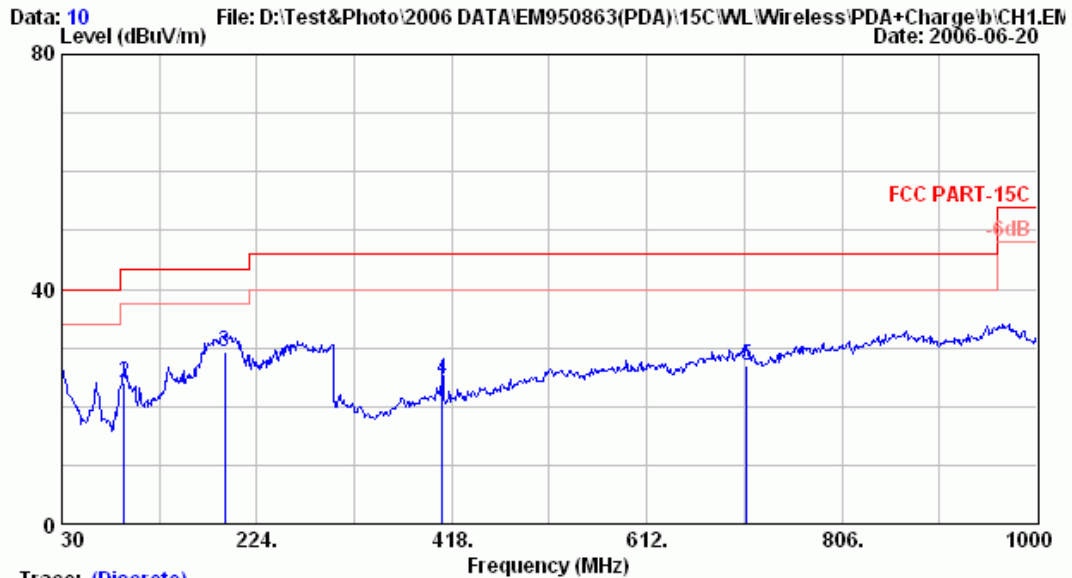
The EUT was tested in restricted bands and all the test results are listed in section 3.6.3. (The restricted bands defined in part 15.205(a))

No.	Test Voltage	Test Mode and Frequency			Data Sync Cable (USB Type)		
1.	AC 120V, 60Hz (Via Switching Power Supply)	WLAN (802.11b)	Transmitting	2412MHz (CH1)	Phihong		
2.				2462MHz (CH11)			
3.	DC 3.7V (Battery)		Transmitting	2412MHz (CH1)			
4.				2462MHz (CH11)			
5.	AC 120V, 60Hz (Via Switching Power Supply)	WLAN (802.11g)	Transmitting	2412MHz (CH1)		Phihong	
6.				2462MHz (CH11)			
7.	DC 3.7V (Battery)		Transmitting	2412MHz (CH1)			
8.				2462MHz (CH11)			
9.	AC 120V, 60Hz (Via Switching Power Supply)	Bluetooth	Transmitting	2402MHz (CH0)			Phihong
10.				2480MHz (CH78)			
11.	DC 3.7V (Battery)		Transmitting	2402MHz (CH0)			
12.				2480MHz (CH78)			

3.6.1. Frequency Range 30MHz-1000MHz Measurement Result



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Trace: (Discrete)

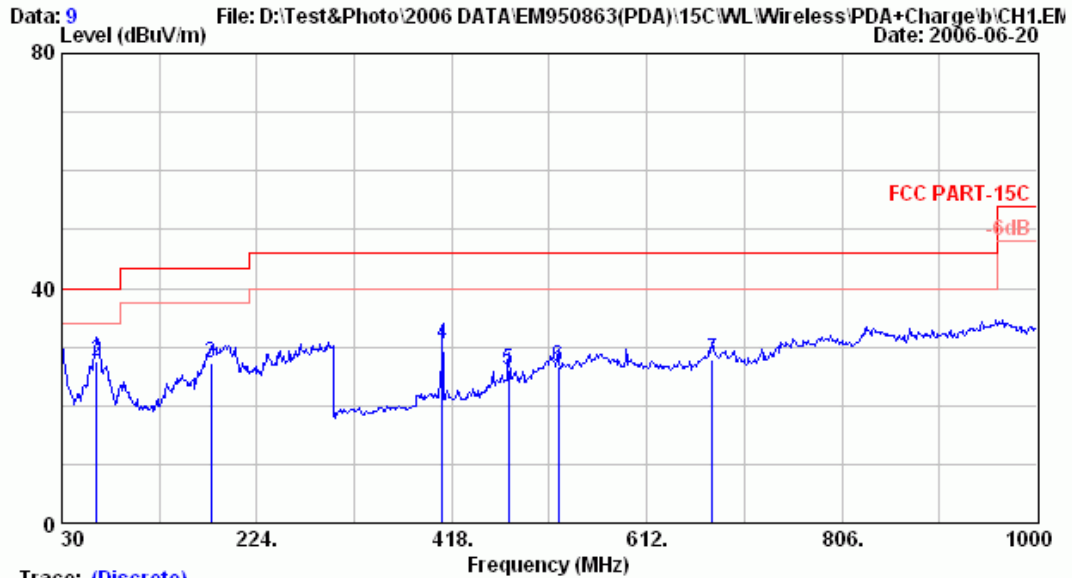
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25*C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH1 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	24.86	1.10	-2.47	23.49	40.00	16.51	
2	92.080	16.08	2.00	6.04	24.11	43.50	19.39	
3	191.990	21.60	3.00	4.73	29.33	43.50	14.17	
4	408.300	17.28	4.90	2.48	24.65	46.00	21.35	
5	710.940	23.54	6.51	-2.96	27.08	46.00	18.92	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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 Email:ttenc@ttenc.com.tw



Trace: (Discrete)

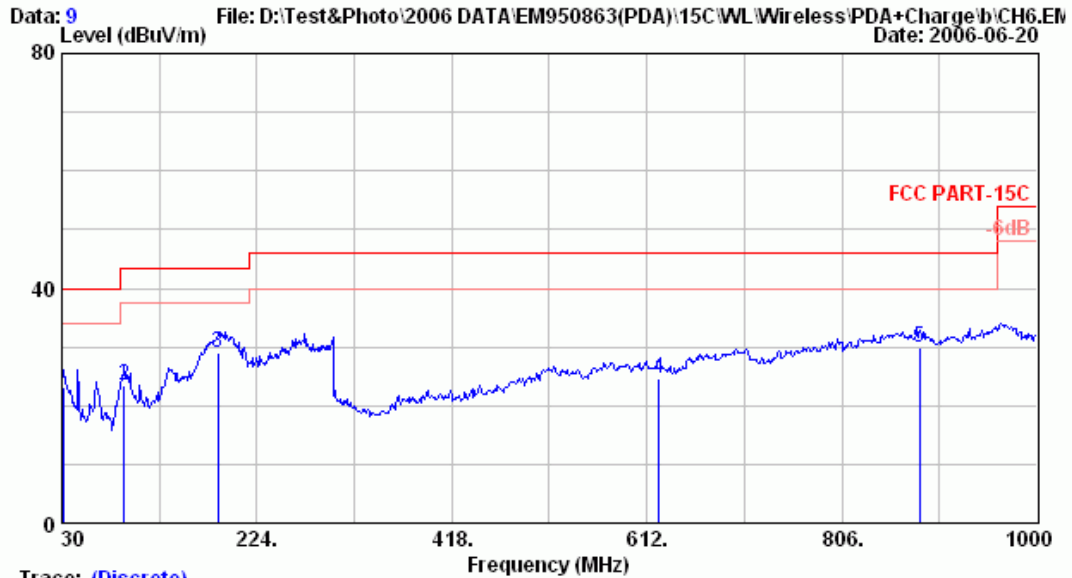
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH1 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	1.56	26.26	40.00	13.74	
2	64.920	12.84	1.70	13.06	27.60	40.00	12.40	
3	178.410	21.00	2.90	3.43	27.33	43.50	16.17	
4	408.300	17.15	4.90	8.47	30.52	46.00	15.48	
5	474.260	19.11	5.85	1.14	26.10	46.00	19.90	
6	523.730	20.48	6.90	-0.84	26.54	46.00	19.46	
7	676.990	23.38	6.40	-1.93	27.86	46.00	18.14	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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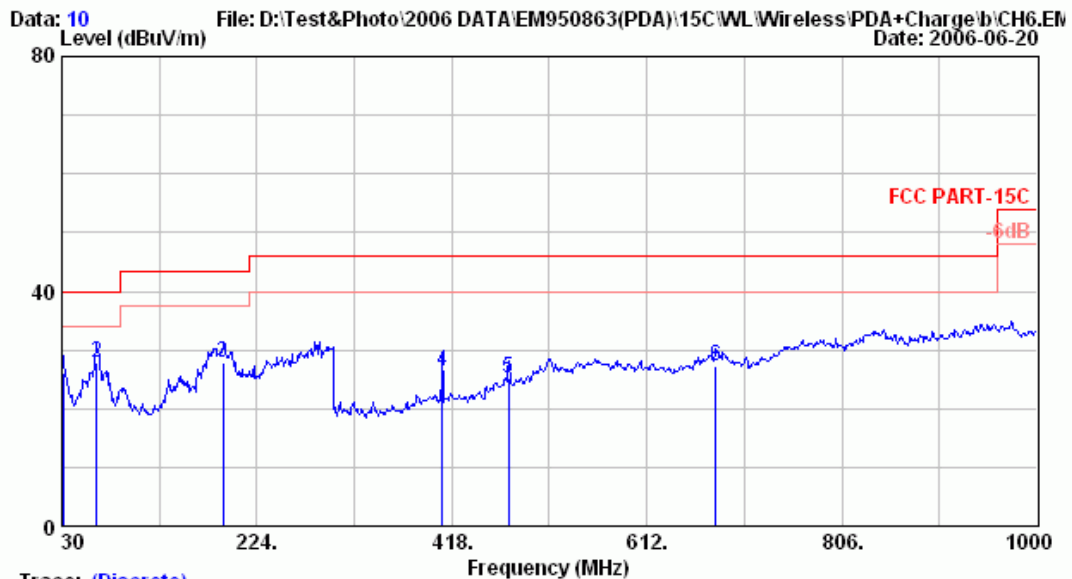
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH6 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-2.89	23.02	40.00	16.98	
2	92.080	16.08	2.00	5.50	23.57	43.50	19.93	
3	185.200	21.37	2.90	4.71	28.98	43.50	14.52	
4	623.640	21.32	6.20	-2.81	24.71	46.00	21.29	
5	883.600	25.27	7.30	-2.67	29.90	46.00	16.10	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

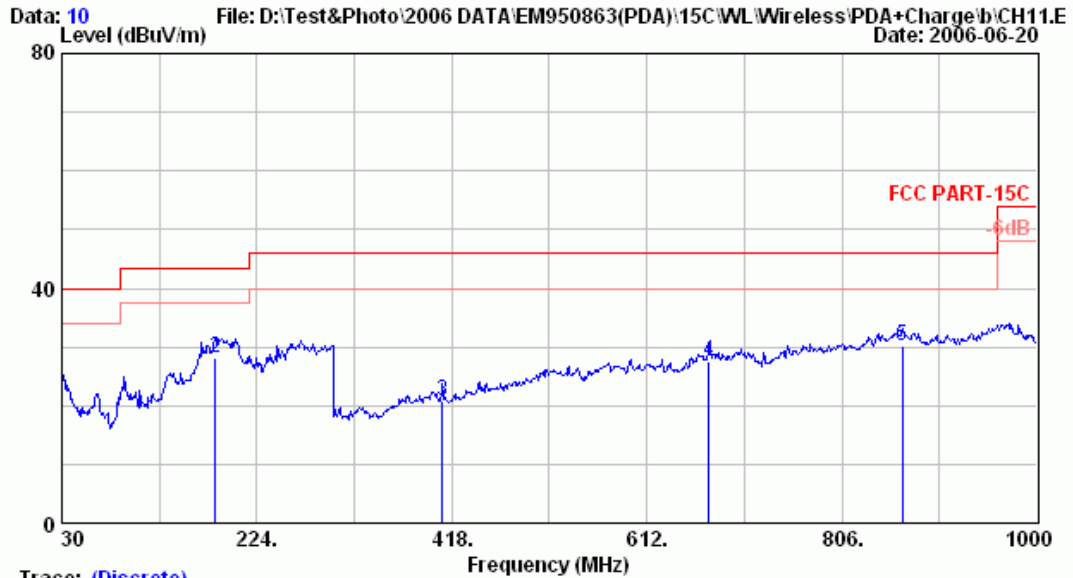
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH6 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	23.39	1.10	1.62	26.11	40.00	13.89	
2	64.920	12.84	1.70	13.41	27.95	40.00	12.05	
3	190.050	22.03	2.92	2.96	27.92	43.50	15.58	
4	408.300	17.15	4.90	4.20	26.25	46.00	19.75	
5	474.260	19.11	5.85	0.22	25.18	46.00	20.82	
6	680.870	23.52	6.47	-2.78	27.21	46.00	18.79	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

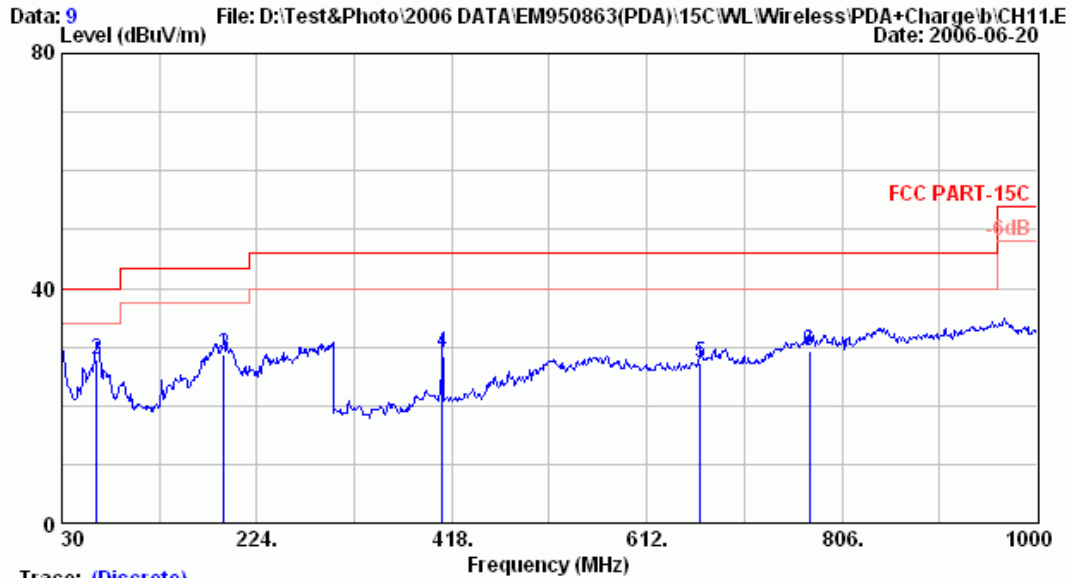
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	24.86	1.10	-3.87	22.09	40.00	17.91	
2	182.290	21.33	2.90	4.02	28.24	43.50	15.26	
3	408.300	17.28	4.90	-1.33	20.84	46.00	25.16	
4	674.080	22.87	6.40	-1.63	27.64	46.00	18.36	
5	866.140	25.97	7.20	-3.04	30.14	46.00	15.86	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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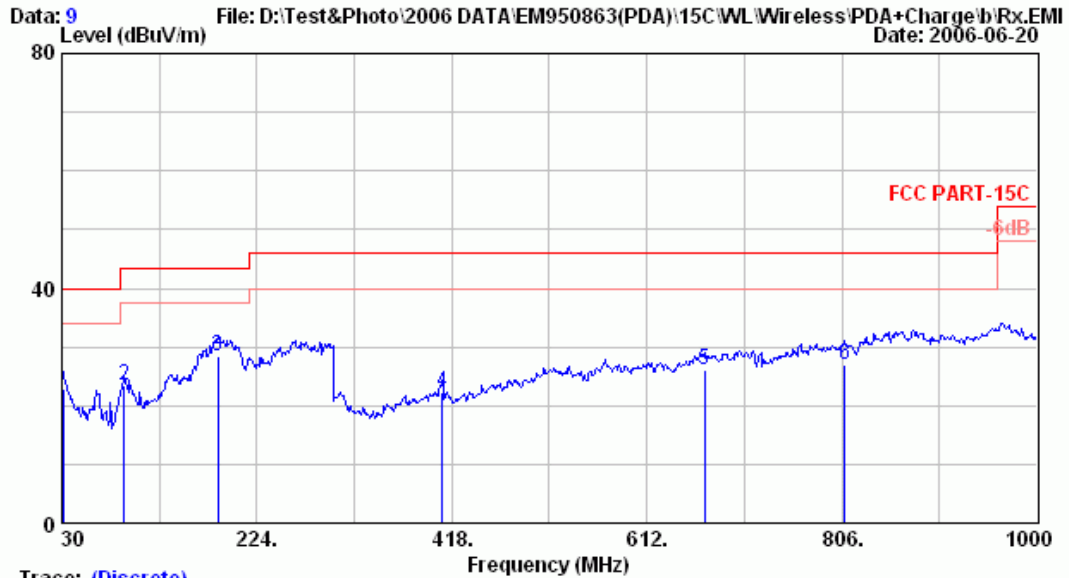
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	1.82	26.52	40.00	13.48	
2	64.920	12.84	1.70	13.22	27.76	40.00	12.24	
3	191.020	22.05	3.00	3.79	28.83	43.50	14.67	
4	408.300	17.15	4.90	6.91	28.96	46.00	17.04	
5	665.350	22.42	6.40	-1.54	27.28	46.00	18.72	
6	773.990	25.23	6.80	-2.63	29.40	46.00	16.60	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
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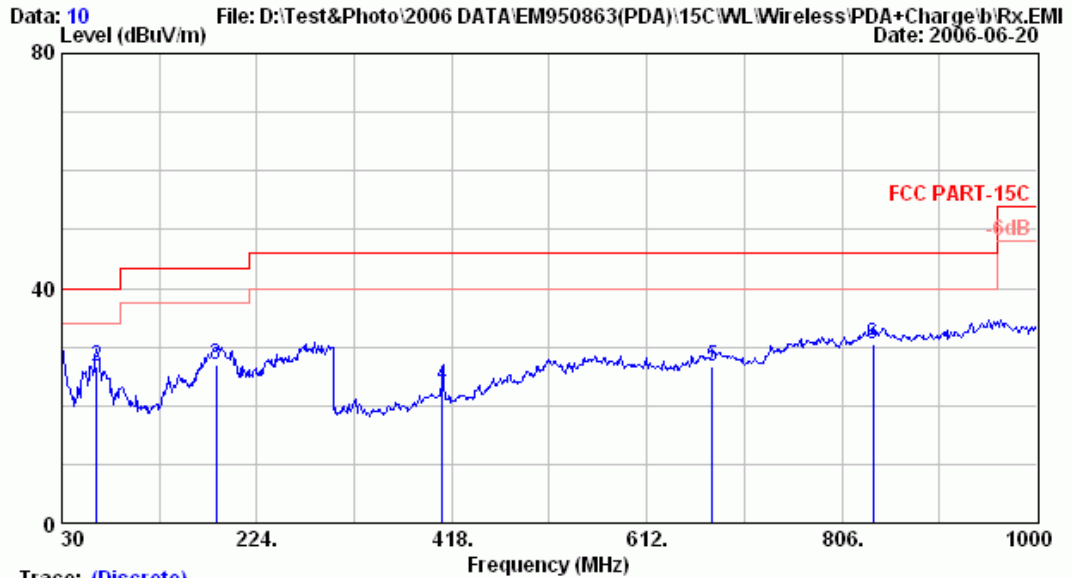
Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : RX (CH6) (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-3.15	22.76	40.00	17.24	
2	92.080	16.08	2.00	5.23	23.30	43.50	20.20	
3	185.200	21.37	2.90	4.25	28.52	43.50	14.98	
4	408.300	17.28	4.90	0.15	22.32	46.00	23.68	
5	669.230	22.82	6.40	-3.08	26.14	46.00	19.86	
6	808.910	24.13	7.00	-4.10	27.03	46.00	18.97	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
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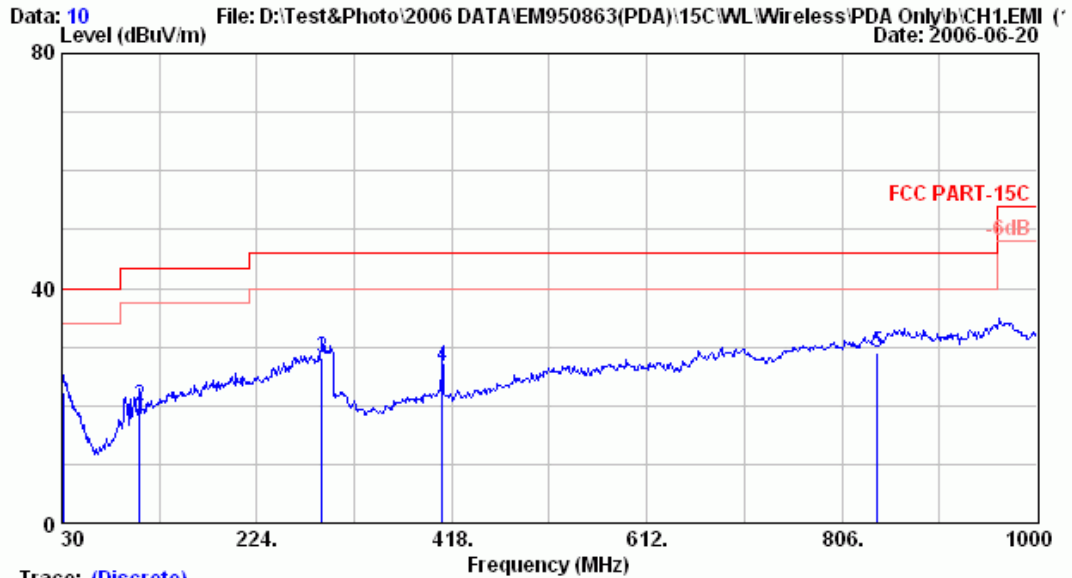
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : RX (CH6) (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	1.72	26.42	40.00	13.58	
2	64.920	12.84	1.70	12.06	26.60	40.00	13.40	
3	183.260	21.70	2.90	2.28	26.88	43.50	16.62	
4	408.300	17.15	4.90	1.47	23.52	46.00	22.48	
5	676.990	23.38	6.40	-3.08	26.71	46.00	19.29	
6	837.040	26.47	7.10	-3.07	30.50	46.00	15.50	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
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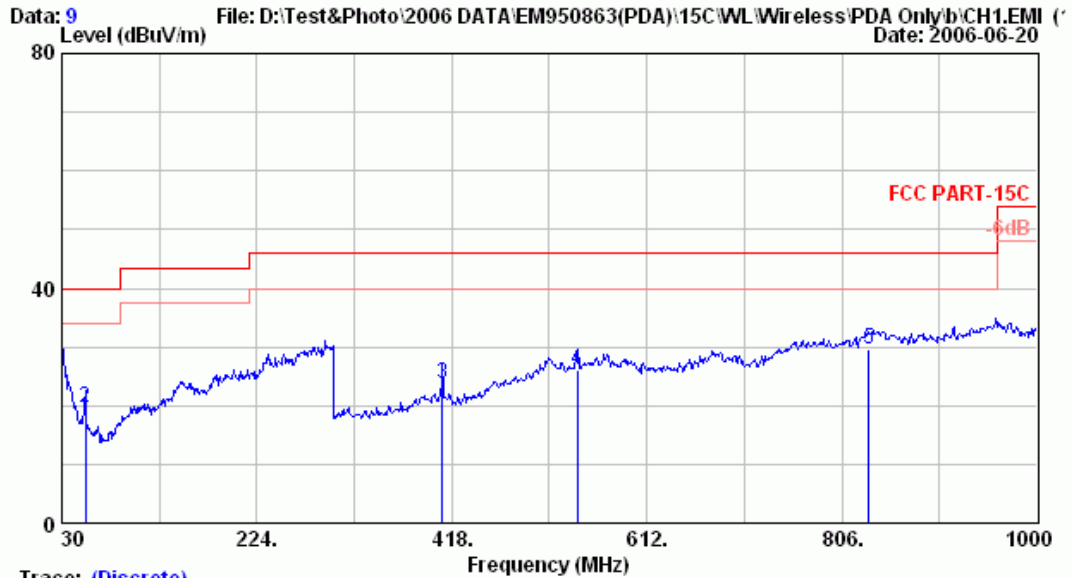
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 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-3.60	22.31	40.00	17.69	
2	107.600	17.87	2.20	-0.21	19.86	43.50	23.64	
3	288.990	25.97	3.80	-1.54	28.22	46.00	17.78	
4	408.300	17.28	4.90	4.55	26.72	46.00	19.28	
5	840.920	25.08	7.10	-3.08	29.10	46.00	16.90	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
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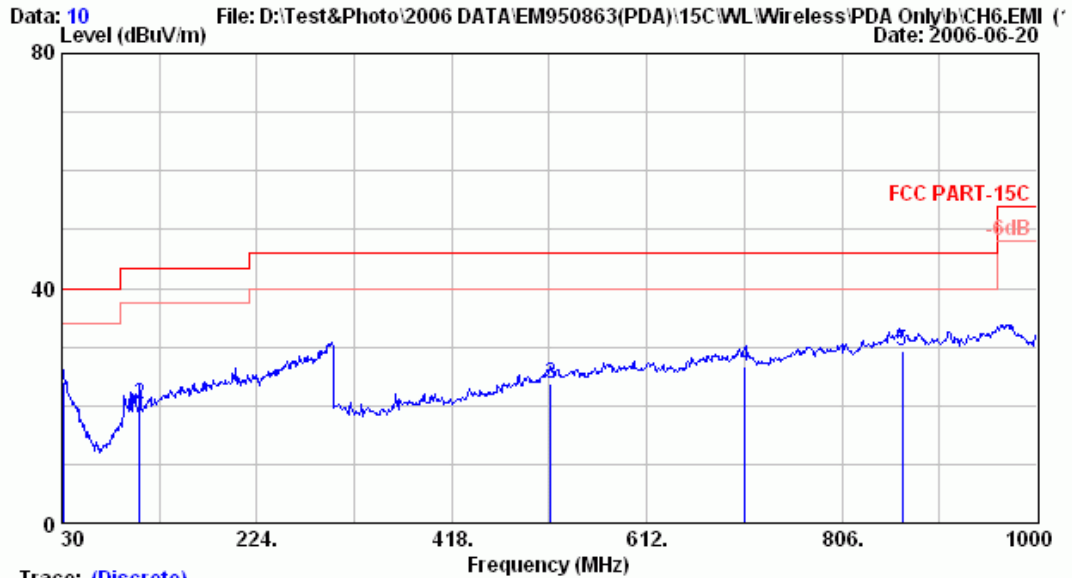
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.58	27.28	40.00	12.72	
2	53.280	15.05	1.50	3.15	19.70	40.00	20.30	
3	408.300	17.15	4.90	1.81	23.86	46.00	22.14	
4	543.130	20.59	6.99	-1.55	26.03	46.00	19.97	
5	833.160	26.22	7.10	-3.78	29.54	46.00	16.46	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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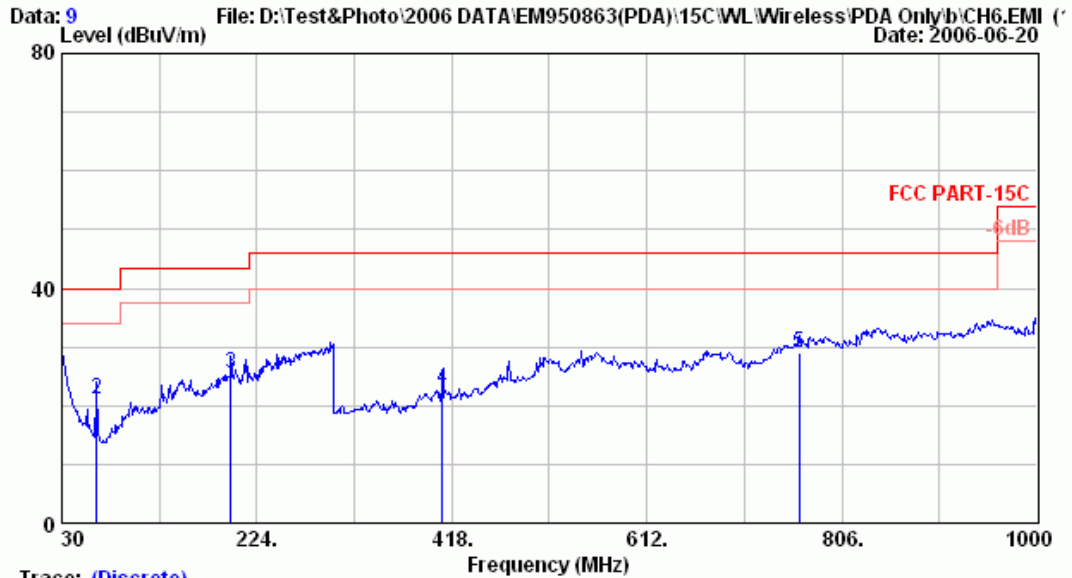
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH6 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-1.96	23.95	40.00	16.05	
2	107.600	17.87	2.20	0.27	20.34	43.50	23.16	
3	515.970	19.98	6.80	-3.14	23.64	46.00	22.36	
4	709.970	23.54	6.60	-3.59	26.55	46.00	19.45	
5	866.140	25.97	7.20	-3.74	29.44	46.00	16.56	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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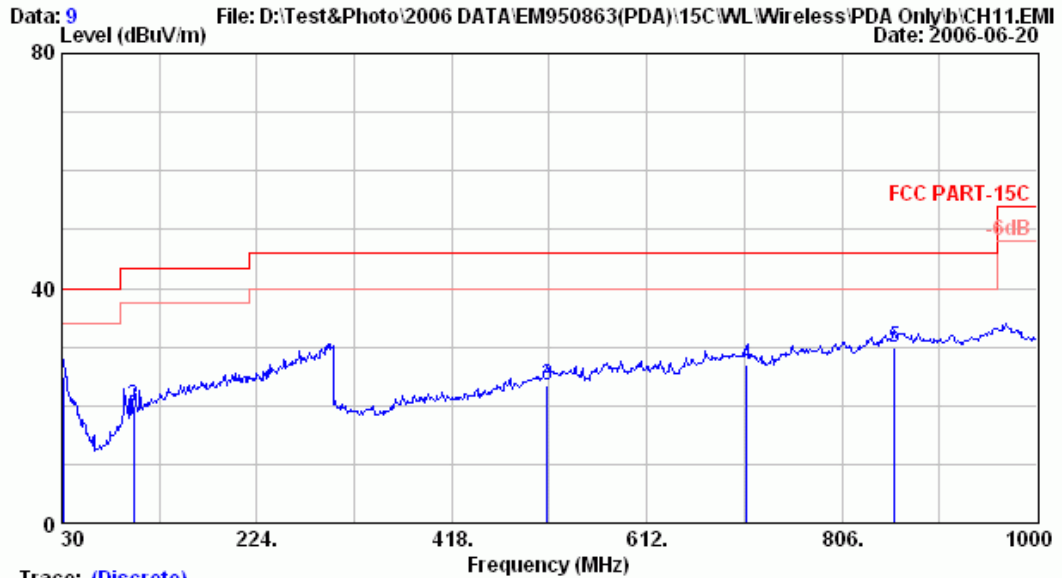
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
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 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH6 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	1.25	25.95	40.00	14.05	
2	64.920	12.84	1.70	6.61	21.15	40.00	18.85	
3	197.810	22.65	3.00	-0.19	25.47	43.50	18.03	
4	408.300	17.15	4.90	0.66	22.71	46.00	23.29	
5	763.320	24.93	6.74	-2.68	28.99	46.00	17.01	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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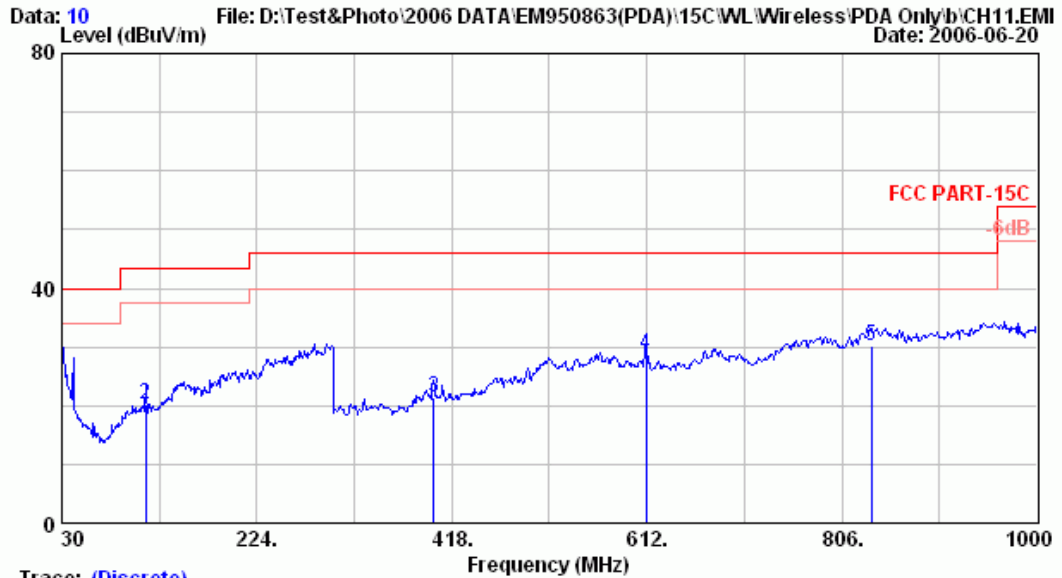
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-0.93	24.98	40.00	15.02	
2	101.780	17.29	2.10	0.45	19.84	43.50	23.66	
3	513.060	19.95	6.80	-3.21	23.54	46.00	22.46	
4	710.940	23.54	6.51	-3.03	27.01	46.00	18.99	
5	858.380	25.98	7.20	-3.23	29.94	46.00	16.06	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

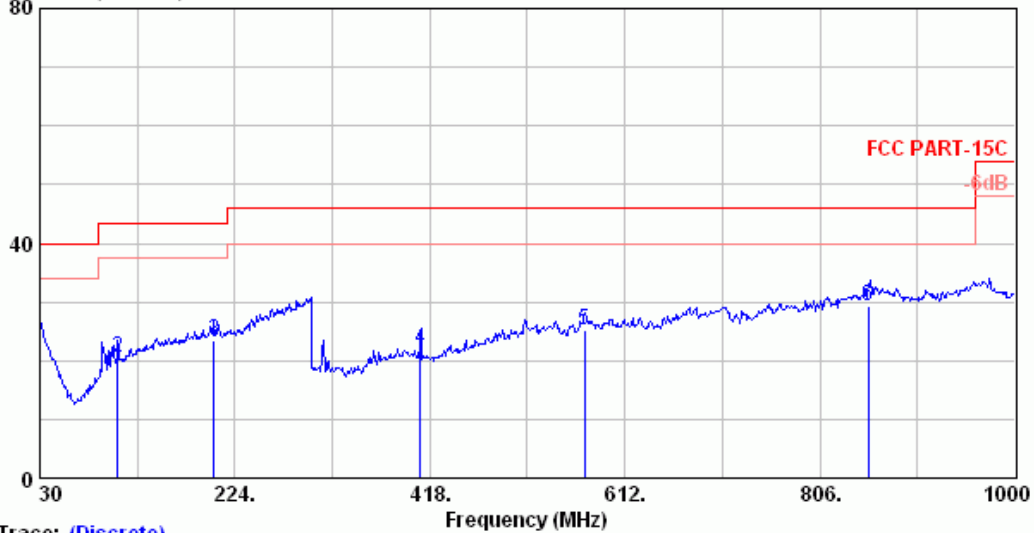
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1	30.000	23.60	1.10	2.79	27.49	40.00	12.51	
2	113.420	17.68	2.26	0.41	20.35	43.50	23.15	
3	399.570	17.61	4.80	-1.09	21.32	46.00	24.68	
4	611.030	21.53	6.30	0.81	28.64	46.00	17.36	
5	835.100	26.32	7.10	-3.31	30.11	46.00	15.89	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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 Email:ttenc@ttenc.com.tw

Data: 10 File: D:\Test&Photo\2006 DATA\EM950863(PDA)\15C\WL\Wireless\PDA Only\b\Rx.EMI (1C) Date: 2006-06-20



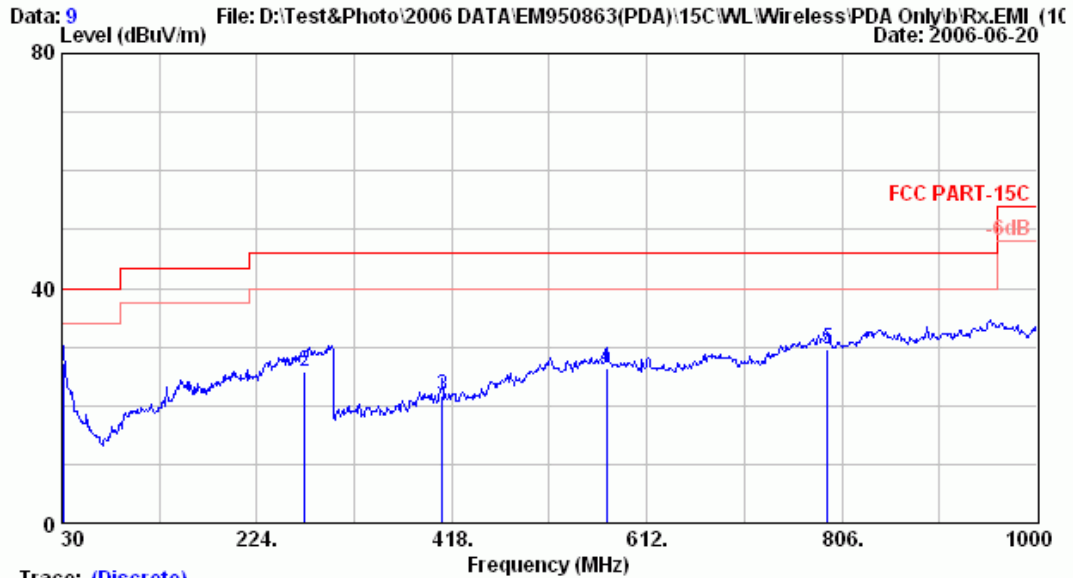
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : Rx (CH6) (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	24.86	1.10	-2.42	23.54	40.00	16.46	
2	107.600	17.87	2.20	0.46	20.53	43.50	22.97	
3	203.630	22.01	3.10	-1.53	23.58	43.50	19.92	
4	408.300	17.28	4.90	-0.27	21.90	46.00	24.10	
5	572.230	21.12	6.50	-2.47	25.15	46.00	20.85	
6	854.500	25.81	7.10	-3.48	29.43	46.00	16.57	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

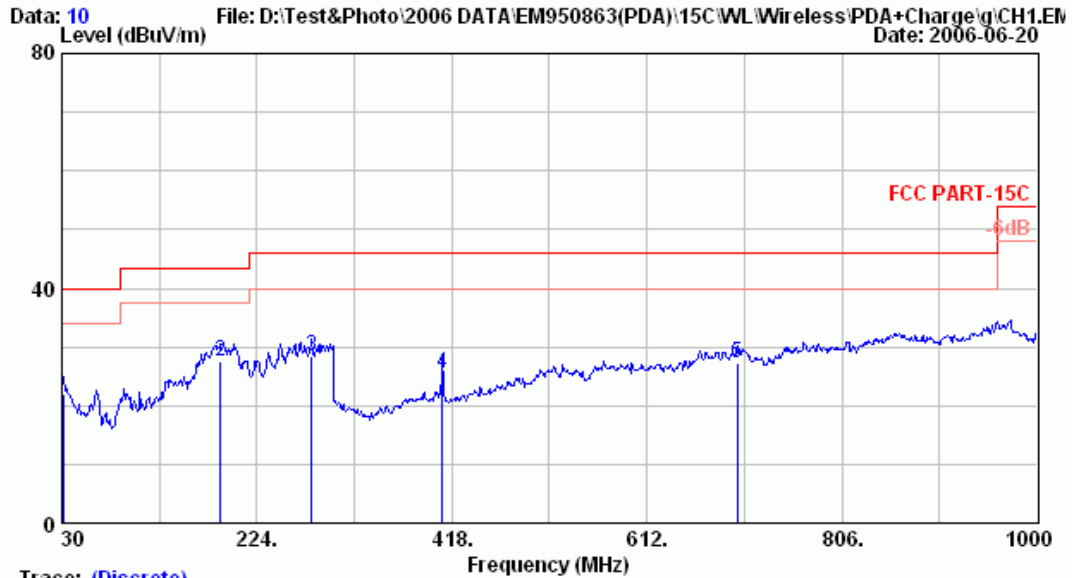
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : Rx (CH6) (Wireless 802.11b)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	23.39	1.10	2.67	27.16	40.00	12.84	
2	271.530	25.84	3.70	-3.67	25.87	46.00	20.13	
3	408.300	17.15	4.90	-0.51	21.54	46.00	24.46	
4	572.230	21.96	6.50	-1.96	26.50	46.00	19.50	
5	791.450	25.48	6.90	-2.92	29.46	46.00	16.54	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

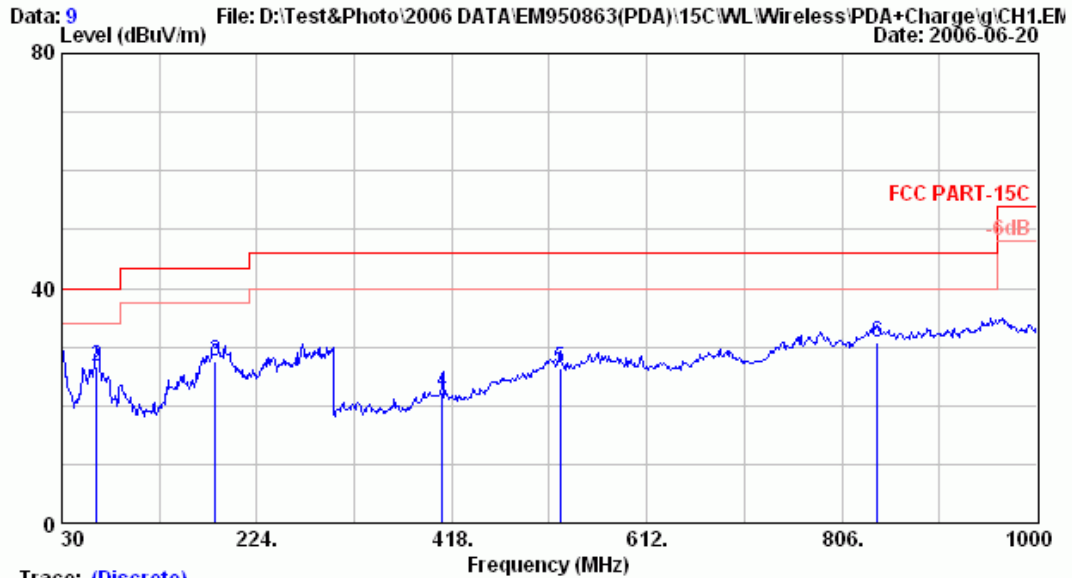
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH1 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-3.94	21.97	40.00	18.03	
2	188.110	21.43	2.90	3.15	27.48	43.50	16.02	
3	278.320	25.25	3.80	-0.76	28.29	46.00	17.71	
4	408.300	17.28	4.90	3.21	25.38	46.00	20.62	
5	702.210	23.53	6.50	-2.85	27.18	46.00	18.82	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

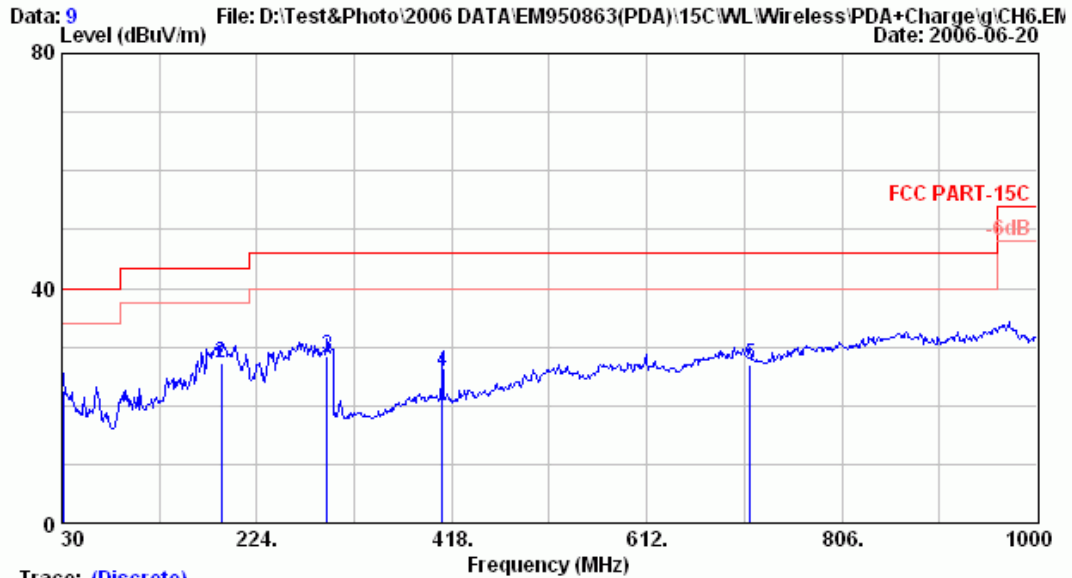
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH1 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.15	26.85	40.00	13.15	
2	64.920	12.84	1.70	12.22	26.76	40.00	13.24	
3	182.290	21.55	2.90	3.17	27.61	43.50	15.89	
4	408.300	17.15	4.90	0.13	22.18	46.00	23.82	
5	525.670	20.31	6.90	-0.98	26.23	46.00	19.77	
6	840.920	26.62	7.10	-2.92	30.80	46.00	15.20	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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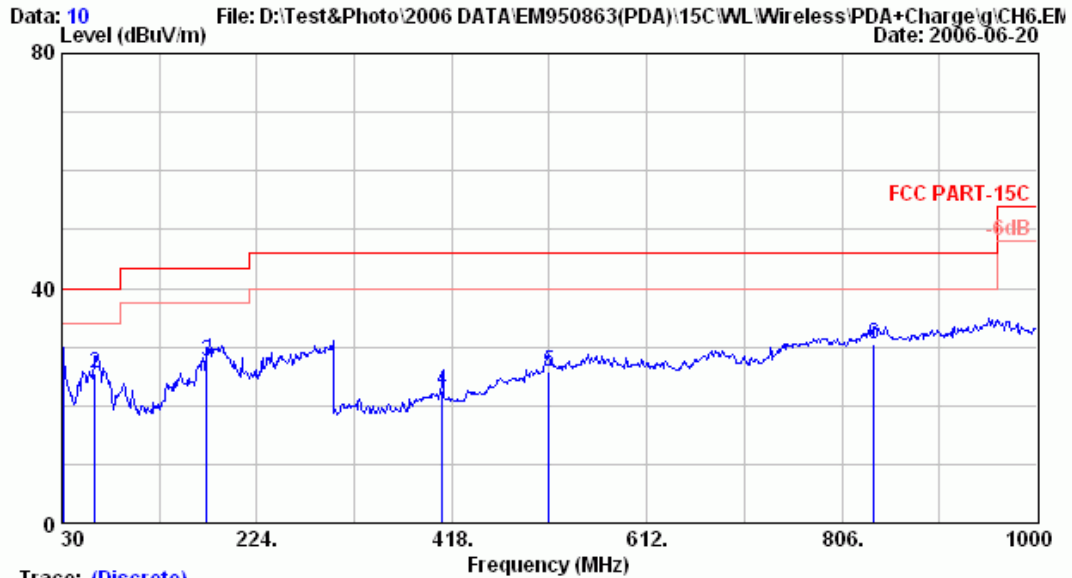
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH6 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-3.27	22.64	40.00	17.36	
2	189.080	21.46	2.90	3.00	27.36	43.50	16.14	
3	293.840	26.33	3.96	-1.97	28.31	46.00	17.69	
4	408.300	17.28	4.90	3.67	25.84	46.00	20.16	
5	714.820	22.95	6.60	-2.59	26.96	46.00	19.04	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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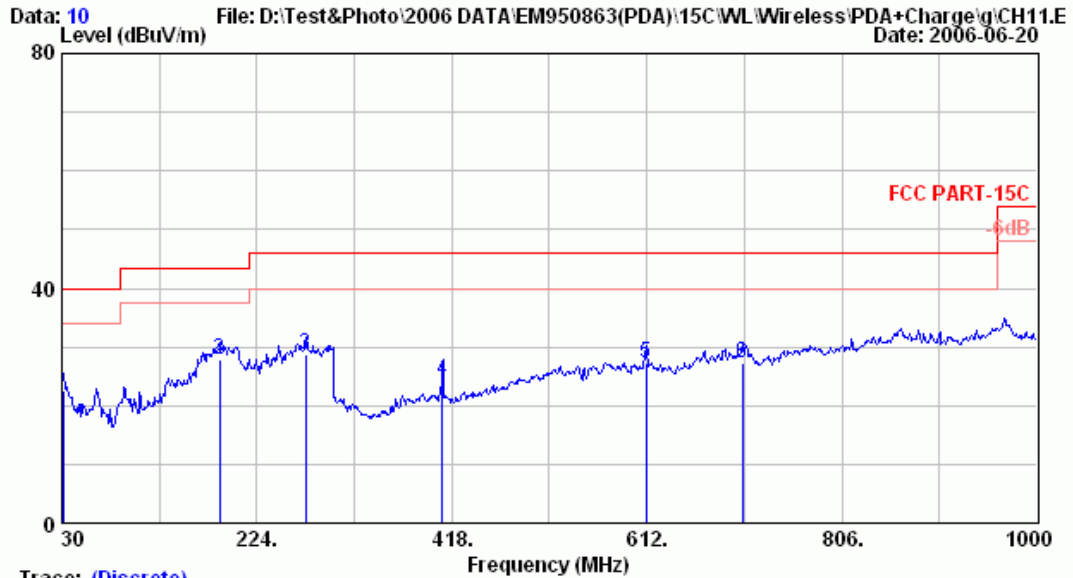
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH6 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	23.39	1.10	2.39	26.88	40.00	13.12	
2	62.980	13.19	1.63	10.65	25.48	40.00	14.52	
3	174.530	20.31	2.85	4.46	27.62	43.50	15.88	
4	408.300	17.15	4.90	0.44	22.49	46.00	23.51	
5	515.000	20.87	6.80	-2.02	25.65	46.00	20.35	
6	838.010	26.57	7.10	-3.30	30.37	46.00	15.63	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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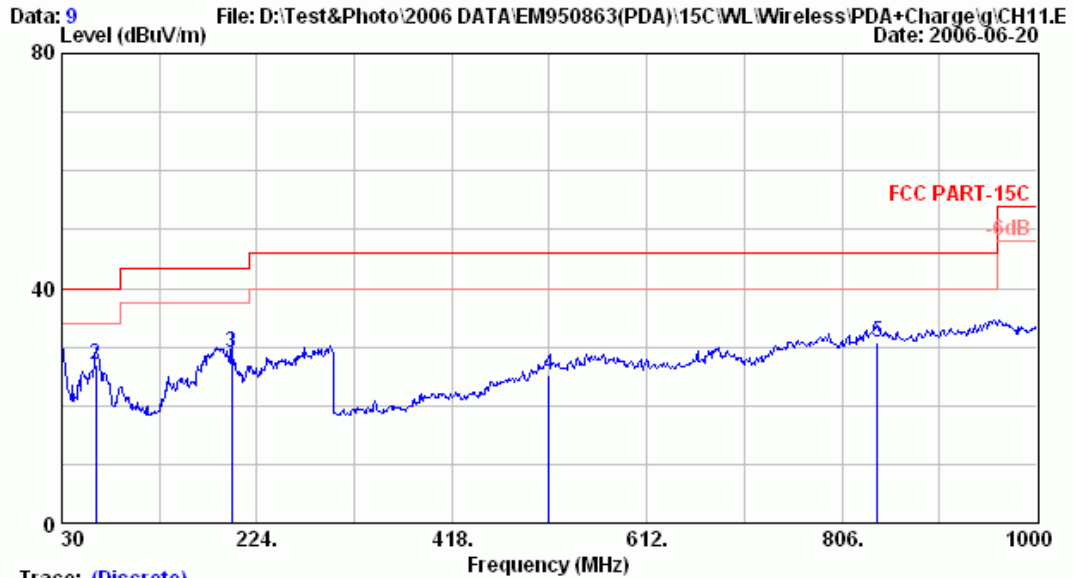
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-3.43	22.48	40.00	17.52	
2	187.140	21.40	2.90	3.43	27.74	43.50	15.76	
3	272.500	25.10	3.70	-0.09	28.71	46.00	17.29	
4	408.300	17.28	4.90	2.13	24.30	46.00	21.70	
5	611.030	21.41	6.30	-0.55	27.16	46.00	18.84	
6	707.060	23.55	6.60	-2.76	27.39	46.00	18.61	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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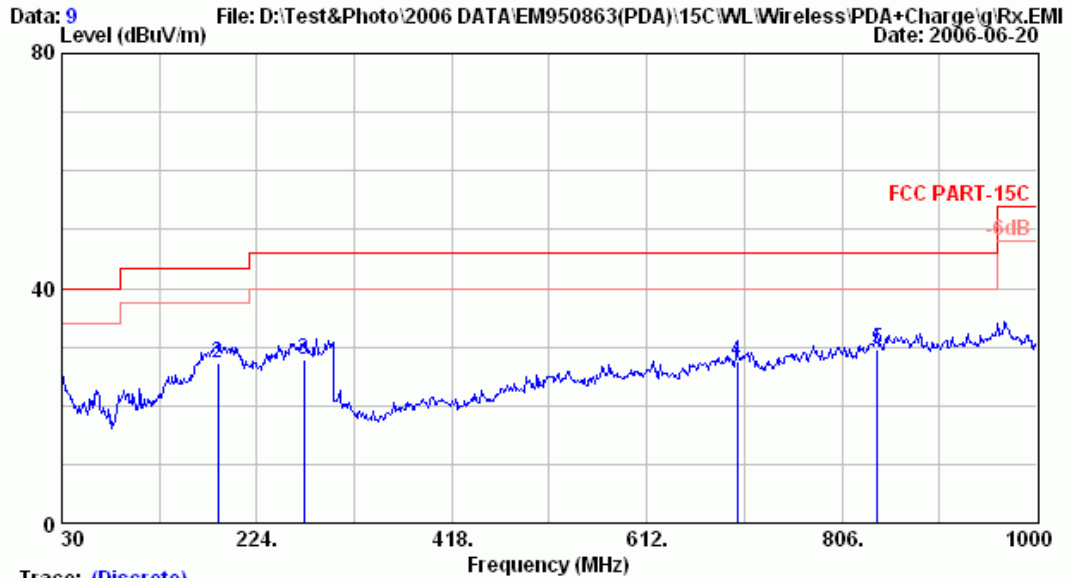
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 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.36	27.06	40.00	12.94	
2	63.950	13.06	1.67	12.30	27.03	40.00	12.97	
3	198.780	22.74	3.00	3.38	29.12	43.50	14.38	
4	515.000	20.87	6.80	-2.47	25.20	46.00	20.80	
5	840.920	26.62	7.10	-3.06	30.66	46.00	15.34	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

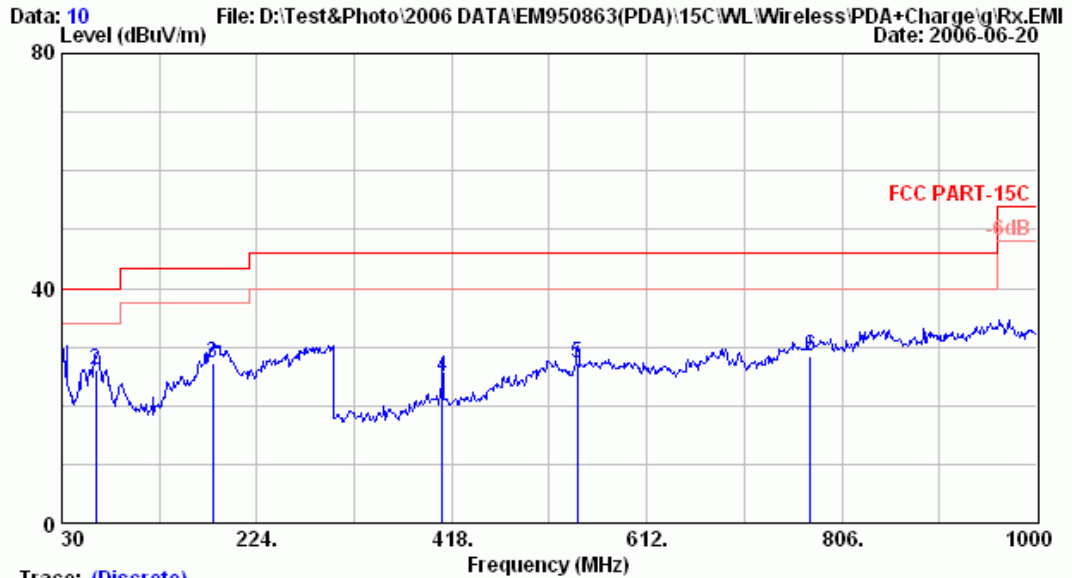
Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : RX (CH6) (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	24.86	1.10	-3.75	22.21	40.00	17.79	
2	185.200	21.37	2.90	3.09	27.36	43.50	16.14	
3	270.560	25.00	3.70	-0.82	27.88	46.00	18.12	
4	702.210	23.53	6.50	-2.42	27.61	46.00	18.39	
5	840.920	25.08	7.10	-2.45	29.73	46.00	16.27	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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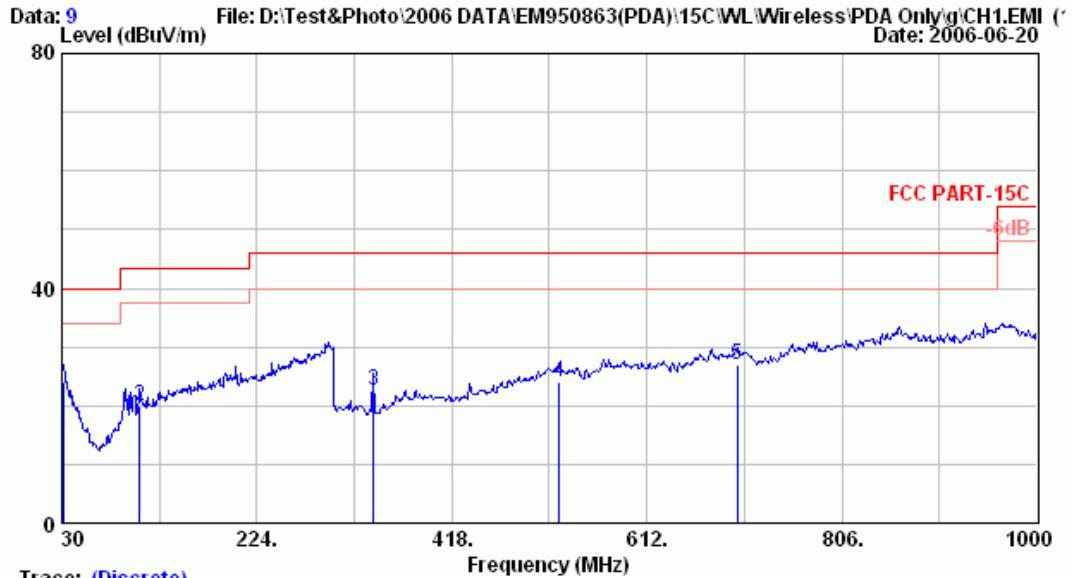
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : RX (CH6) (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.58	27.28	40.00	12.72	
2	63.950	13.06	1.67	11.31	26.04	40.00	13.96	
3	180.350	21.28	2.90	3.20	27.38	43.50	16.12	
4	408.300	17.15	4.90	2.96	25.01	46.00	20.99	
5	543.130	20.59	6.99	-0.26	27.32	46.00	18.68	
6	774.960	25.30	6.80	-3.54	28.56	46.00	17.44	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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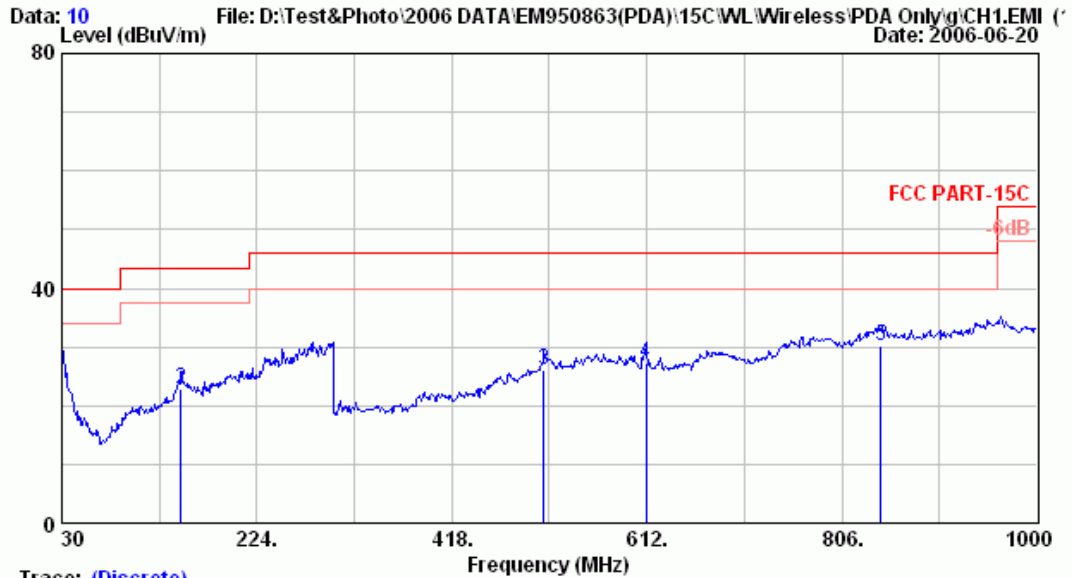
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-2.01	23.90	40.00	16.10	
2	107.600	17.87	2.20	-0.14	19.93	43.50	23.57	
3	340.400	15.08	4.30	3.17	22.55	46.00	23.45	
4	524.700	19.65	6.90	-2.58	23.97	46.00	22.03	
5	702.210	23.53	6.50	-3.20	26.83	46.00	19.17	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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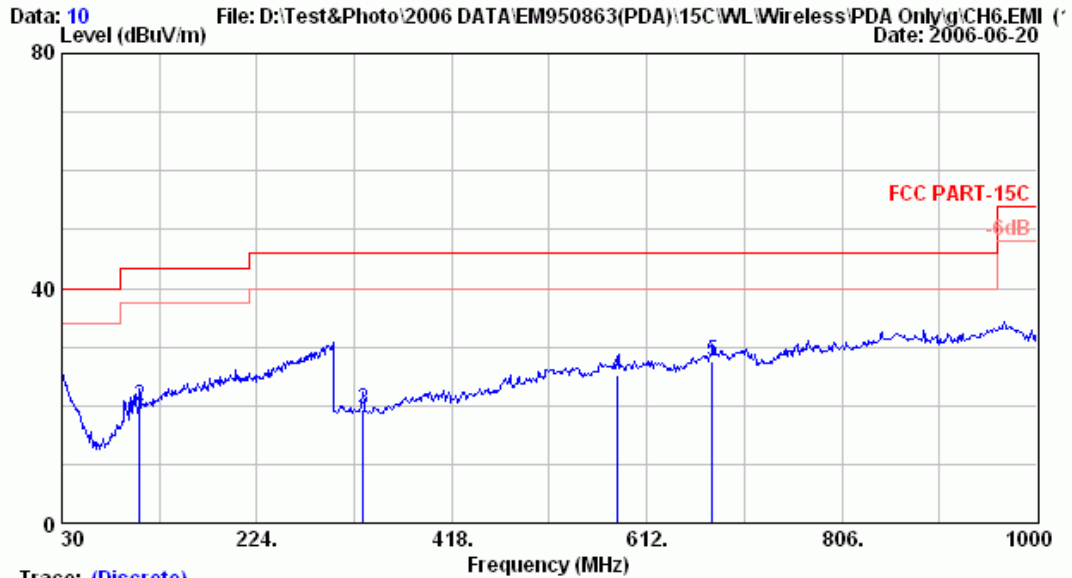
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 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	0.99	25.69	40.00	14.31	
2	148.340	21.92	2.60	-1.76	22.76	43.50	20.74	
3	509.180	20.72	6.80	-1.35	26.17	46.00	19.83	
4	611.030	21.53	6.30	-0.69	27.14	46.00	18.86	
5	844.800	26.62	7.10	-3.54	30.17	46.00	15.83	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

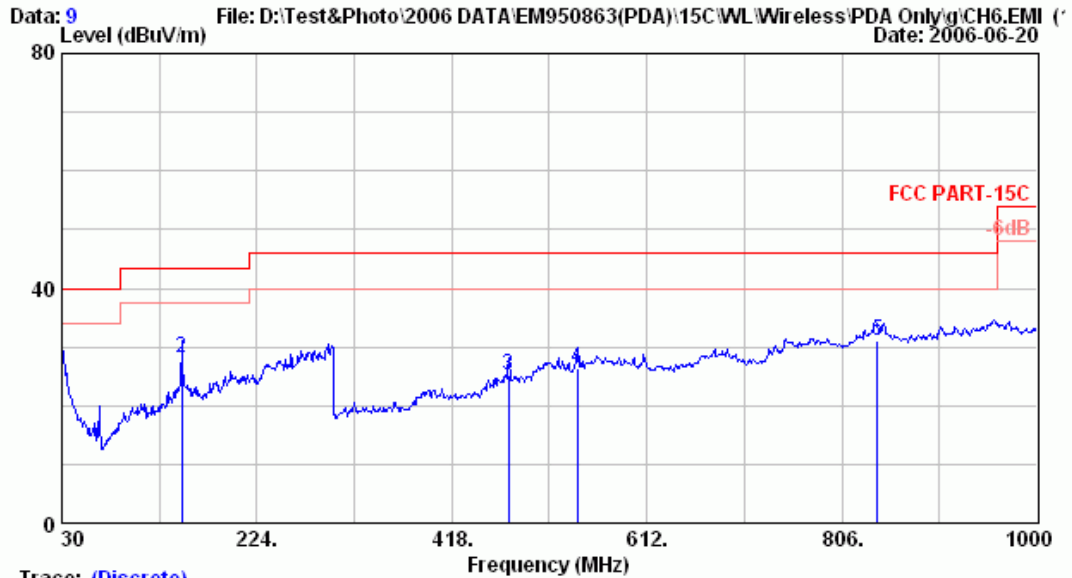
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH6 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	24.86	1.10	-3.71	22.25	40.00	17.75	
2	107.600	17.87	2.20	-0.07	20.00	43.50	23.50	
3	329.730	15.36	4.14	-0.17	19.33	46.00	26.67	
4	582.900	20.92	6.36	-2.01	25.26	46.00	20.74	
5	676.990	22.90	6.40	-1.68	27.62	46.00	18.38	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH6 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

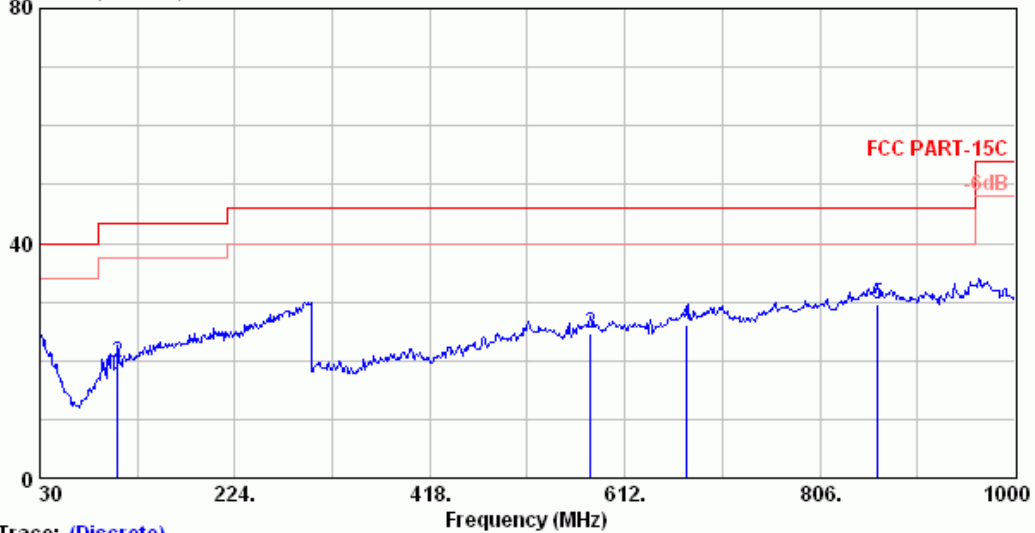
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1	30.000	23.60	1.10	1.13	25.83	40.00	14.17	
2	149.310	22.02	2.60	3.57	28.19	43.50	15.31	
3	474.260	19.11	5.85	0.19	25.15	46.00	20.85	
4	543.130	20.59	6.99	-1.35	26.23	46.00	19.77	
5	840.920	26.62	7.10	-2.73	30.99	46.00	15.01	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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 Email:ttenc@ttenc.com.tw

Data: 9 File: D:\Test&Photo\2006 DATA\EM950863(PDA)\15C\WL\Wireless\PDA Only\g\CH11.EMI Date: 2006-06-20



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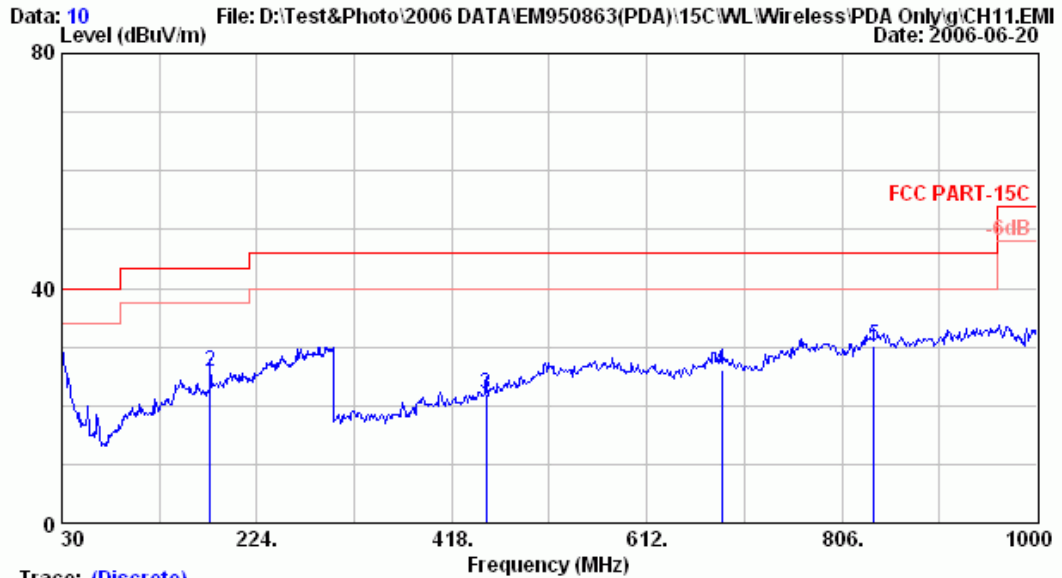
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	24.86	1.10	-4.41	21.55	40.00	18.45	
2	107.600	17.87	2.20	-0.58	19.49	43.50	24.01	
3	578.050	20.97	6.40	-2.78	24.60	46.00	21.40	
4	674.080	22.87	6.40	-3.29	25.98	46.00	20.02	
5	863.230	26.09	7.20	-3.56	29.73	46.00	16.27	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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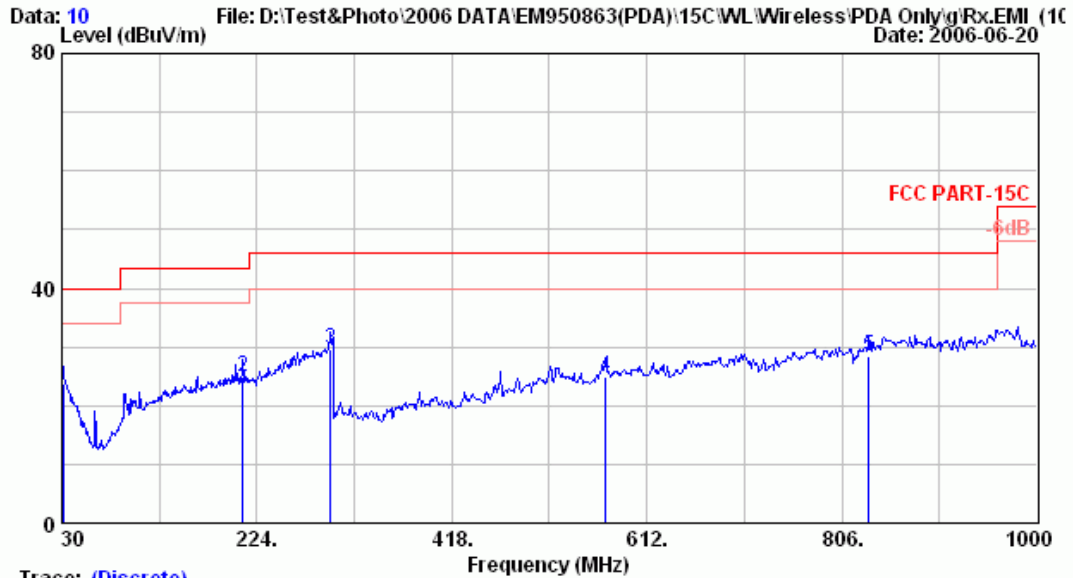
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	0.55	25.25	40.00	14.75	
2	177.440	20.84	2.90	2.01	25.74	43.50	17.76	
3	451.950	17.86	5.40	-1.43	21.84	46.00	24.16	
4	686.690	23.55	6.50	-4.06	25.99	46.00	20.01	
5	838.010	26.57	7.10	-3.63	30.04	46.00	15.96	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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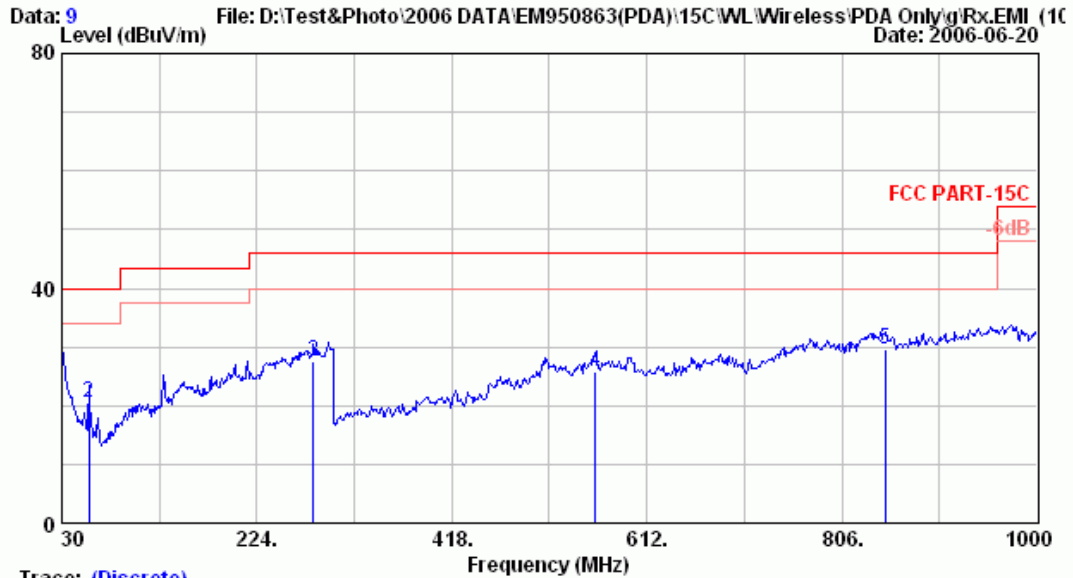
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : Rx (CH6) (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-2.22	23.69	40.00	16.31	
2	210.420	21.77	3.20	-0.11	24.85	43.50	18.65	
3	297.720	26.68	3.98	-1.12	29.54	46.00	16.46	
4	571.260	21.14	6.50	-2.73	24.91	46.00	21.09	
5	833.160	24.88	7.10	-3.41	28.56	46.00	17.44	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

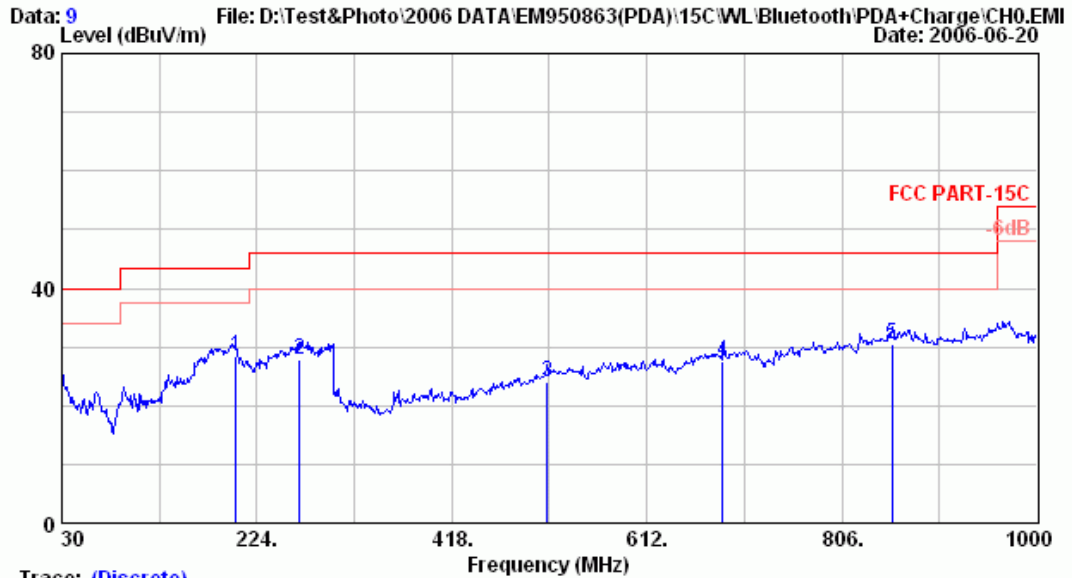
Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : Rx (CH6) (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	1.89	26.59	40.00	13.41	
2	57.160	14.00	1.60	4.89	20.49	40.00	19.51	
3	280.260	26.26	3.80	-2.63	27.44	46.00	18.56	
4	560.590	22.08	6.70	-2.89	25.89	46.00	20.11	
5	848.680	26.54	7.10	-4.00	29.64	46.00	16.36	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

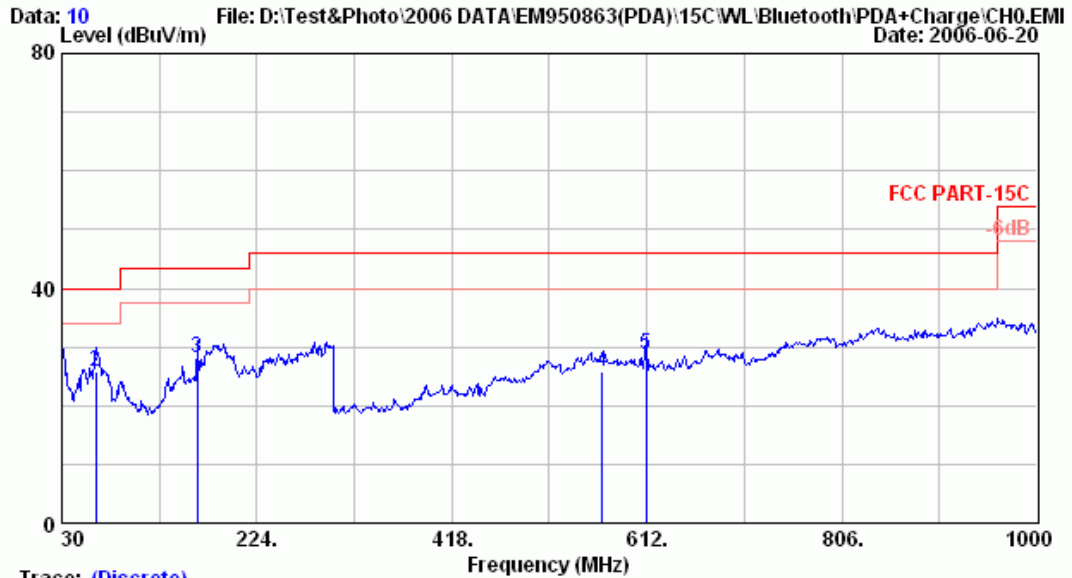
Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH0 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	203.630	22.01	3.10	3.23	28.34	43.50	15.16	
2	266.680	24.74	3.70	-0.72	27.72	46.00	18.28	
3	513.060	19.95	6.80	-2.79	23.96	46.00	22.04	
4	687.660	23.26	6.50	-2.18	27.58	46.00	18.42	
5	855.470	25.87	7.10	-2.47	30.50	46.00	15.50	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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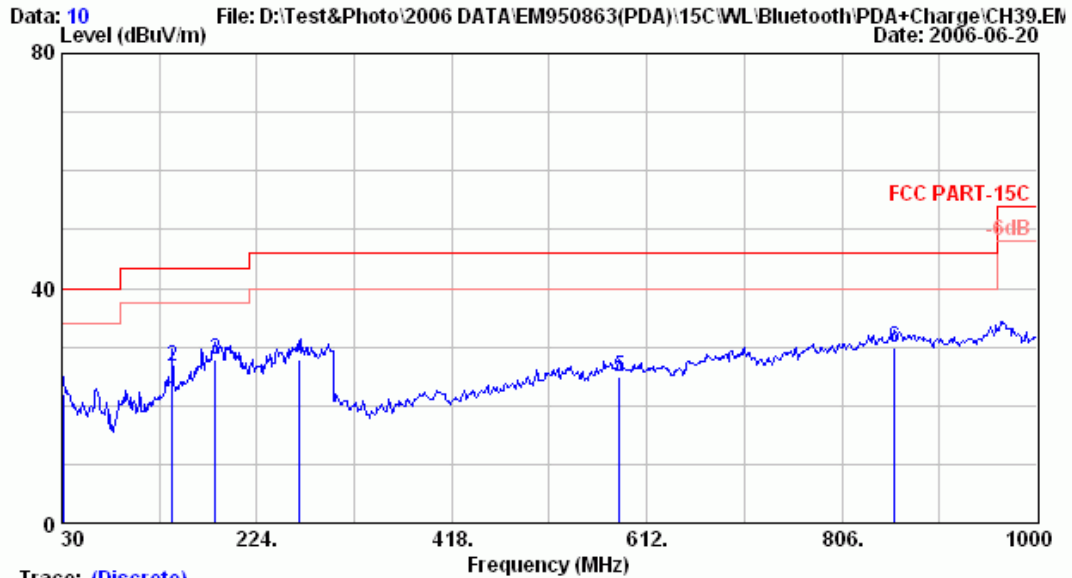
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH0 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.40	27.10	40.00	12.90	
2	63.950	13.06	1.67	11.16	25.89	40.00	14.11	
3	164.830	20.73	2.70	4.72	28.15	43.50	15.35	
4	567.380	22.08	6.50	-2.76	25.82	46.00	20.18	
5	611.030	21.53	6.30	0.91	28.74	46.00	17.26	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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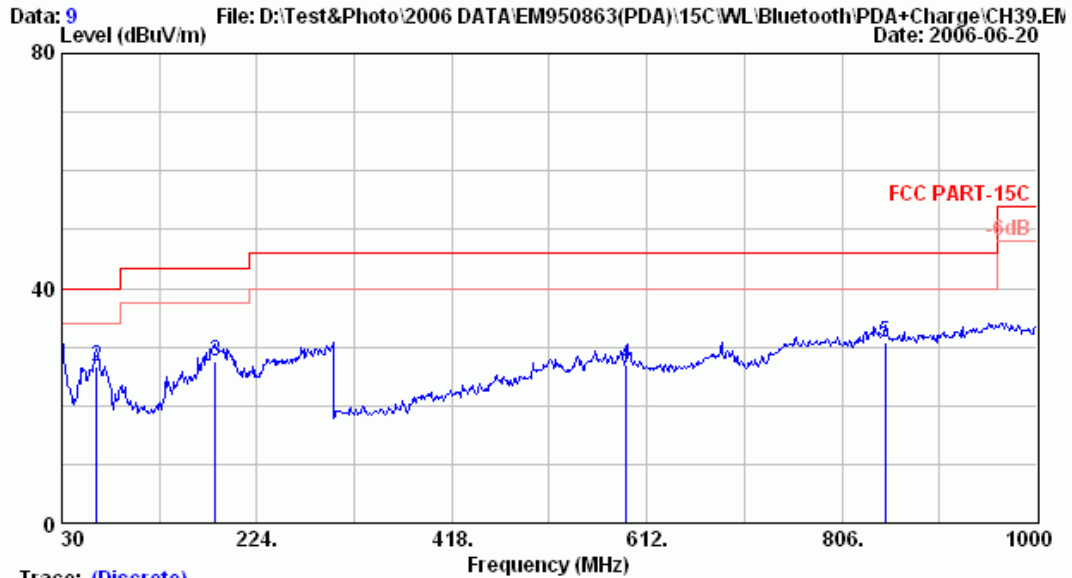
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25+C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH39 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-3.92	21.99	40.00	18.01	
2	139.610	20.15	2.50	4.00	26.65	43.50	16.85	
3	182.290	21.33	2.90	3.61	27.83	43.50	15.67	
4	266.680	24.74	3.70	-0.73	27.71	46.00	18.29	
5	584.840	20.97	6.40	-2.44	24.93	46.00	21.07	
6	858.380	25.98	7.20	-3.37	29.80	46.00	16.20	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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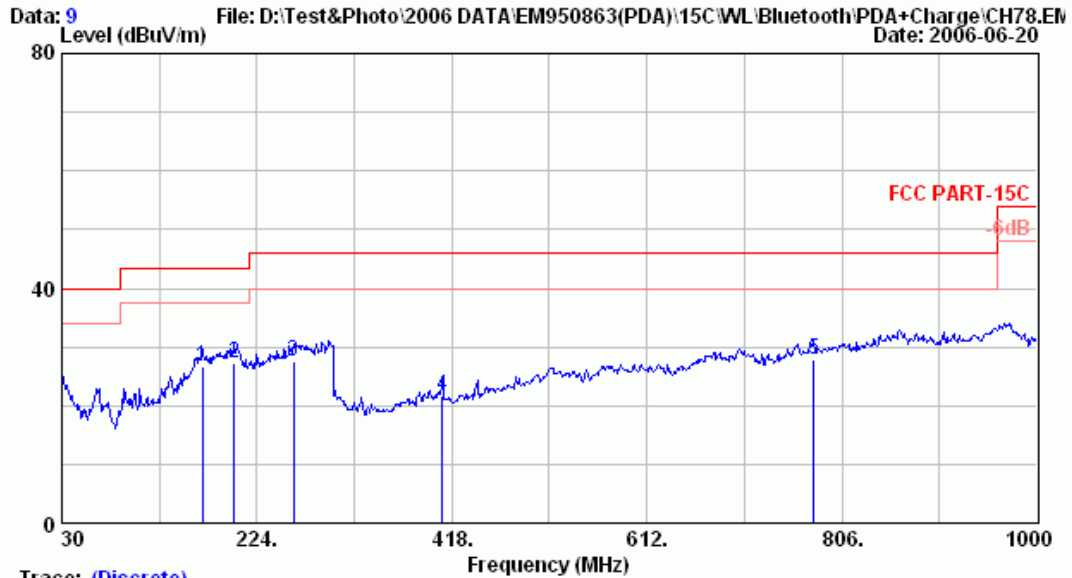
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH39 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	3.27	27.97	40.00	12.03	
2	64.920	12.84	1.70	12.18	26.72	40.00	13.28	
3	182.290	21.55	2.90	3.13	27.58	43.50	15.92	
4	591.630	21.48	6.20	-0.64	27.04	46.00	18.96	
5	848.680	26.54	7.10	-2.91	30.73	46.00	15.27	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

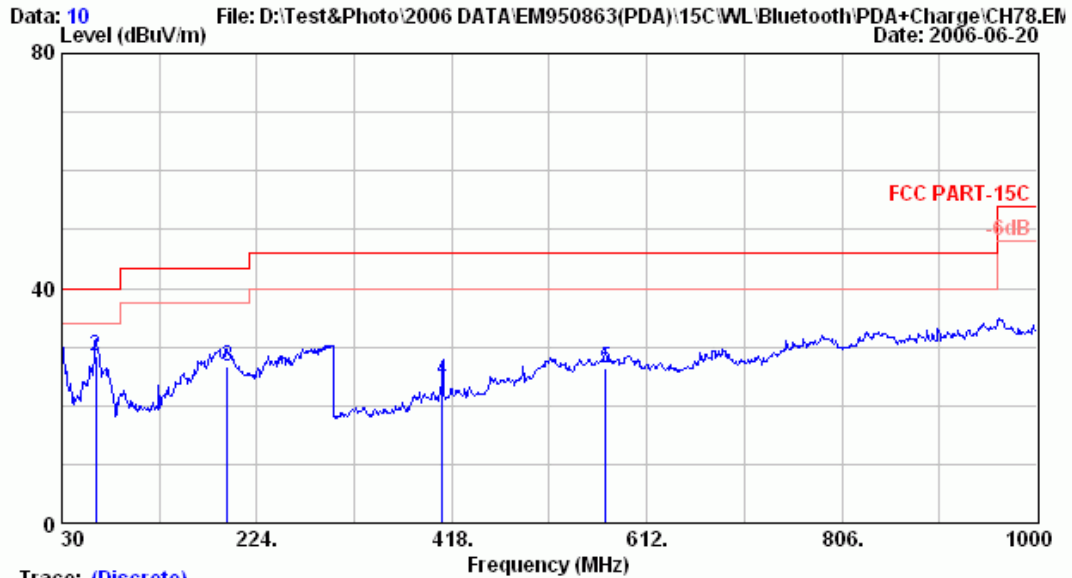
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH78 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	169.680	21.01	2.80	2.93	26.74	43.50	16.76	
2	201.690	22.07	3.03	2.23	27.33	43.50	16.17	
3	260.860	24.58	3.60	-0.76	27.42	46.00	18.58	
4	408.300	17.28	4.90	-0.51	21.66	46.00	24.34	
5	777.870	24.18	6.80	-3.02	27.97	46.00	18.03	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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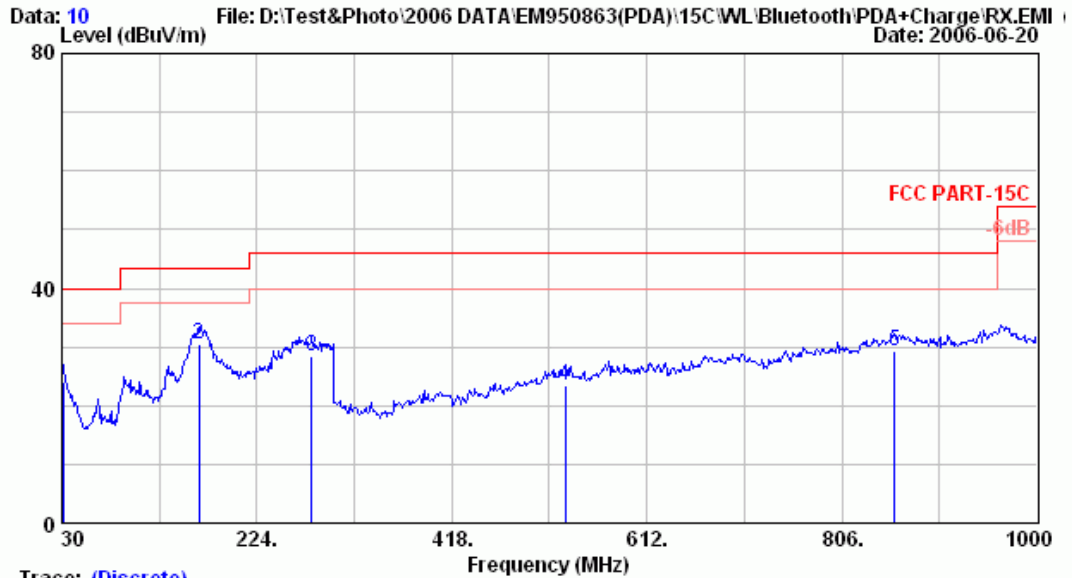
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH78 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.43	27.13	40.00	12.87	
2	63.950	13.06	1.67	13.63	28.36	40.00	11.64	
3	194.900	22.42	3.00	1.19	26.61	43.50	16.89	
4	408.300	17.15	4.90	2.13	24.18	46.00	21.82	
5	571.260	22.00	6.50	-1.98	26.52	46.00	19.48	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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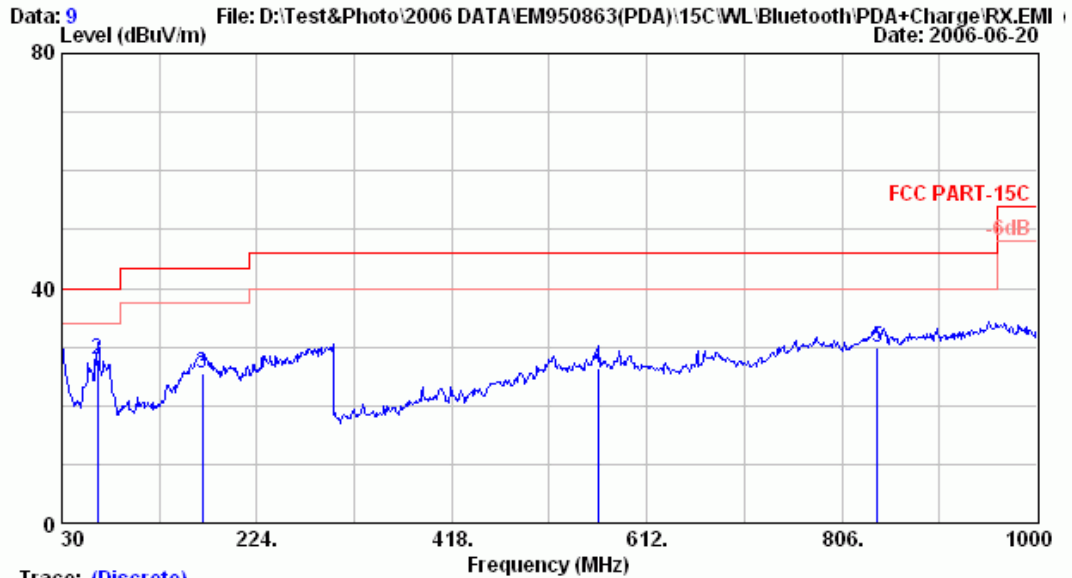
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
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 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : RX (CH78) (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-1.98	23.93	40.00	16.07	
2	166.770	20.96	2.70	6.84	30.50	43.50	13.00	
3	278.320	25.25	3.80	-0.48	28.57	46.00	17.43	
4	530.520	19.70	6.90	-3.11	23.49	46.00	22.51	
5	858.380	25.98	7.20	-3.82	29.35	46.00	16.65	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
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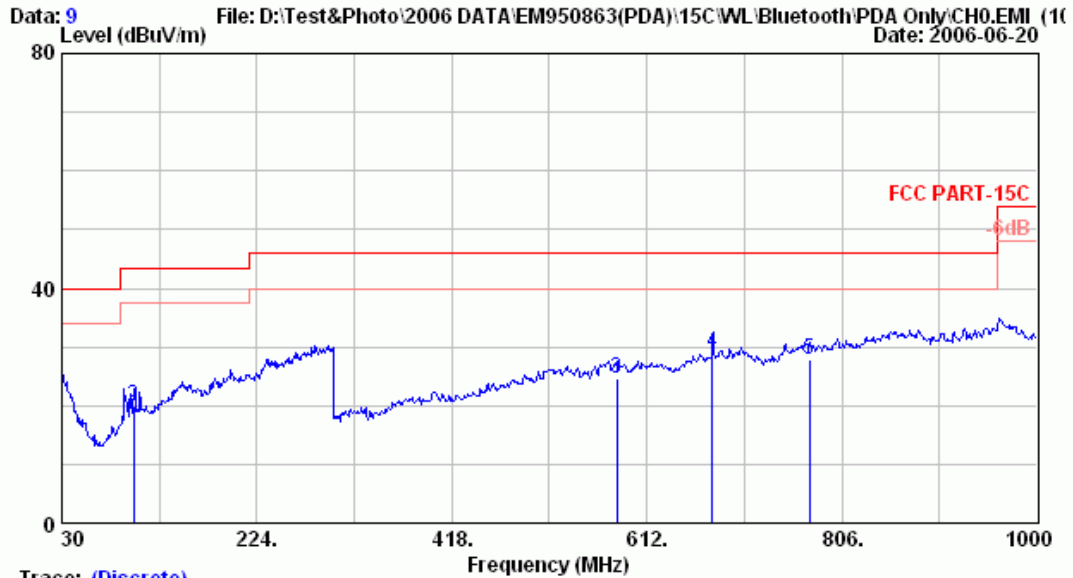
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 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : RX (CH78) (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.40	27.10	40.00	12.90	
2	65.890	12.69	1.70	13.47	27.86	40.00	12.14	
3	169.680	20.27	2.80	2.55	25.62	43.50	17.88	
4	563.500	22.08	6.61	-2.41	26.29	46.00	19.71	
5	840.920	26.62	7.10	-3.72	30.00	46.00	16.00	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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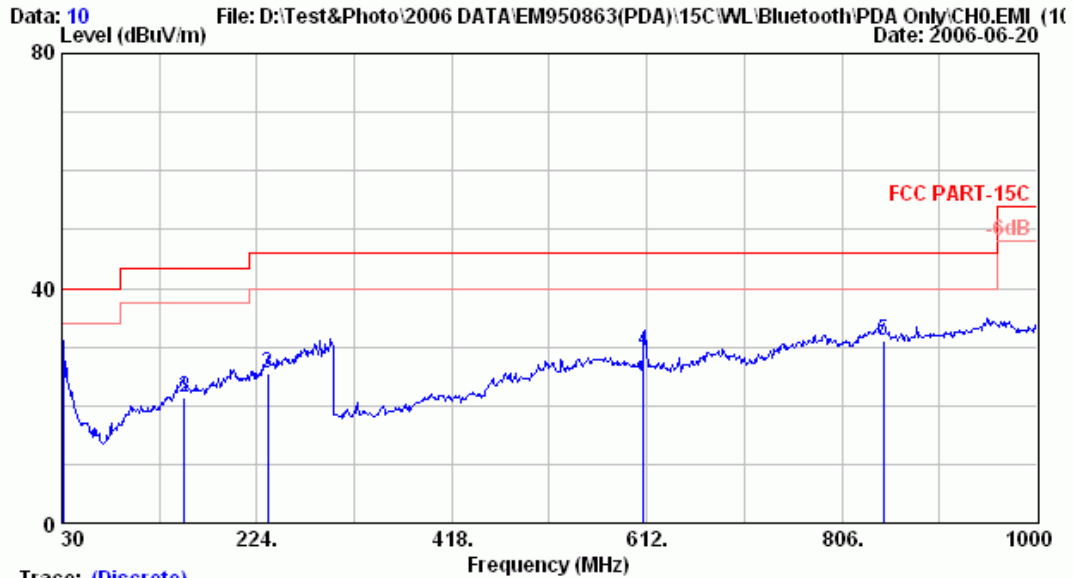
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH0 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	24.86	1.10	-3.47	22.49	40.00	17.51	
2	101.780	17.29	2.10	0.61	20.00	43.50	23.50	
3	581.930	20.91	6.30	-2.68	24.53	46.00	21.47	
4	676.990	22.90	6.40	-0.37	28.93	46.00	17.07	
5	773.990	24.21	6.80	-3.14	27.86	46.00	18.14	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

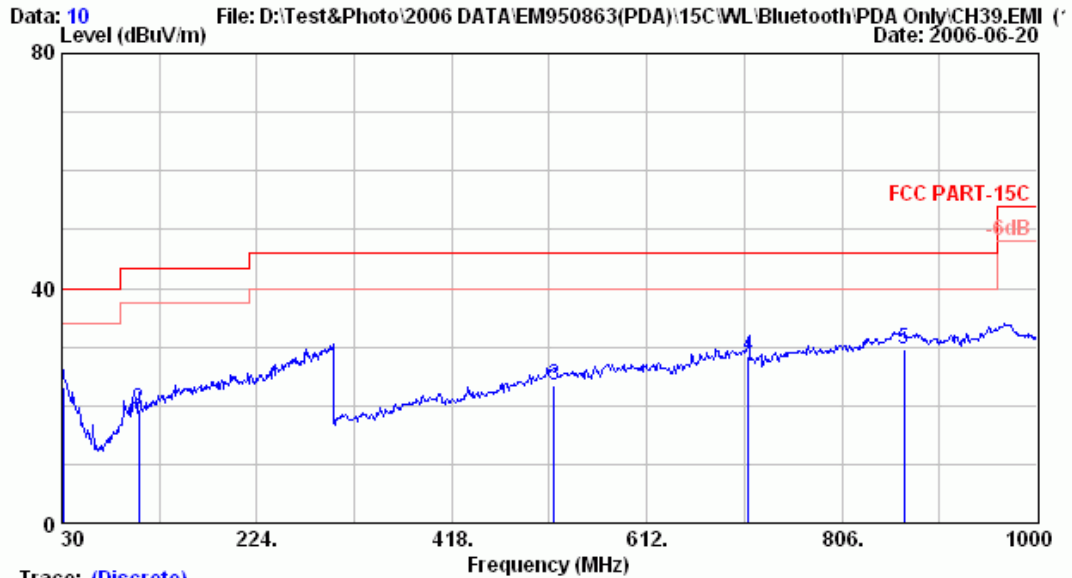
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH0 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	23.39	1.10	3.49	27.98	40.00	12.02	
2	152.220	21.70	2.60	-2.81	21.49	43.50	22.01	
3	234.670	24.80	3.40	-2.64	25.56	46.00	20.44	
4	609.090	21.64	6.20	1.59	29.44	46.00	16.56	
5	847.710	26.61	7.10	-2.73	30.98	46.00	15.02	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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 Email:temc@ttemc.com.tw



Trace: (Discrete)

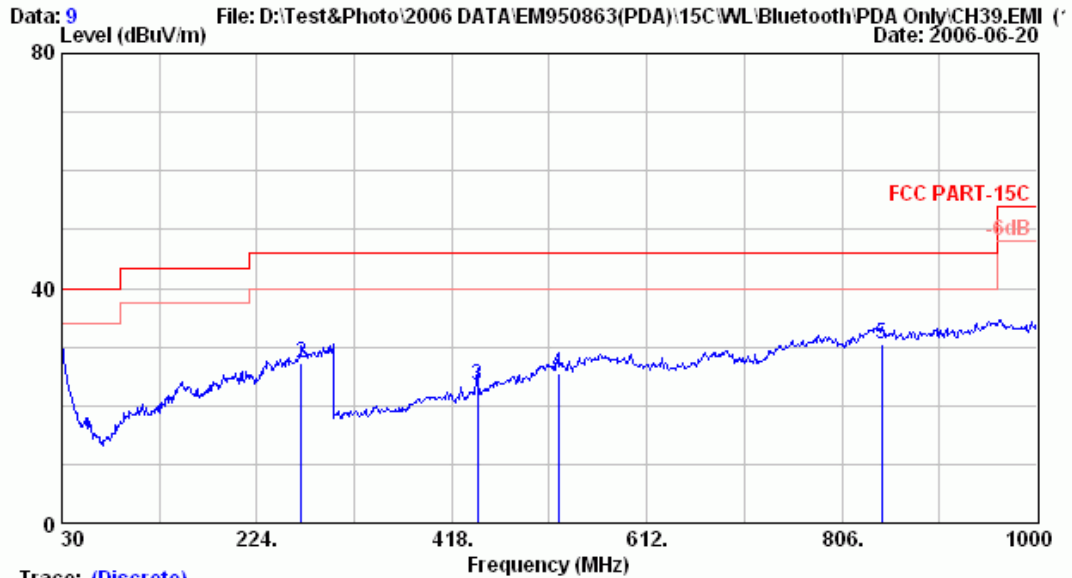
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH39 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-2.89	23.02	40.00	16.98	
2	106.630	17.77	2.20	-0.71	19.26	43.50	24.24	
3	519.850	19.99	6.90	-3.39	23.50	46.00	22.50	
4	712.880	23.30	6.53	-1.45	28.38	46.00	17.62	
5	868.080	25.89	7.20	-3.43	29.66	46.00	16.34	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

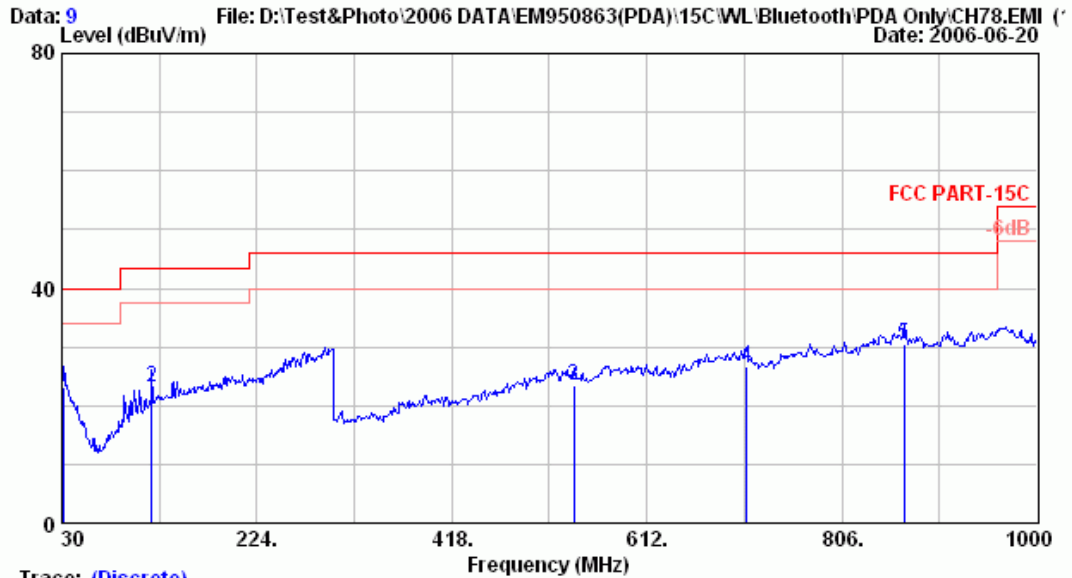
Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH39 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.58	27.28	40.00	12.72	
2	268.620	26.04	3.70	-2.56	27.18	46.00	18.82	
3	443.220	17.42	5.33	0.65	23.41	46.00	22.59	
4	523.730	20.48	6.90	-1.98	25.40	46.00	20.60	
5	845.770	26.61	7.10	-3.23	30.49	46.00	15.51	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

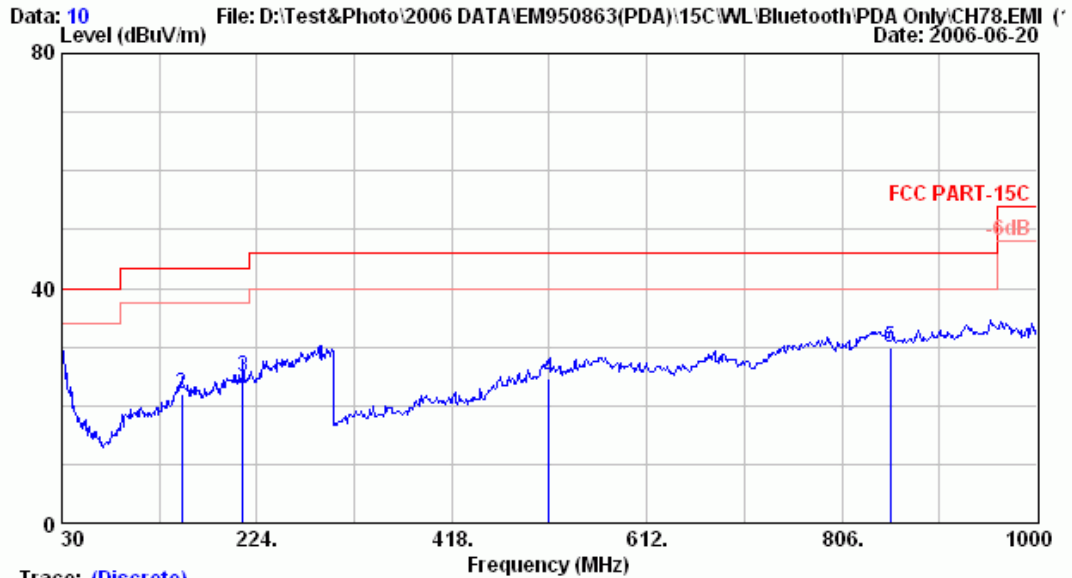
Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH78 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	31.940	24.26	1.10	-2.22	23.14	40.00	16.86	
2	119.240	19.02	2.30	1.77	23.09	43.50	20.41	
3	539.250	19.34	7.10	-3.13	23.32	46.00	22.68	
4	710.940	23.54	6.51	-3.27	26.77	46.00	19.23	
5	868.080	25.89	7.20	-2.50	30.59	46.00	15.41	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

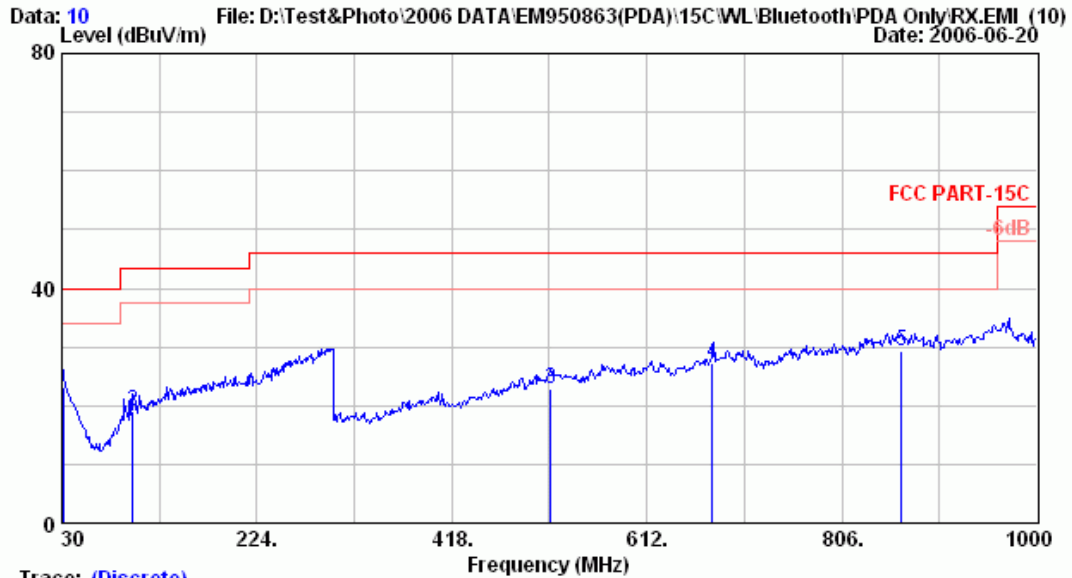
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH78 (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	2.08	26.78	40.00	13.22	
2	149.310	22.02	2.60	-2.79	21.83	43.50	21.67	
3	210.420	22.15	3.20	-0.46	24.89	43.50	18.61	
4	515.000	20.87	6.80	-3.03	24.64	46.00	21.36	
5	854.500	25.96	7.10	-3.15	29.91	46.00	16.09	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

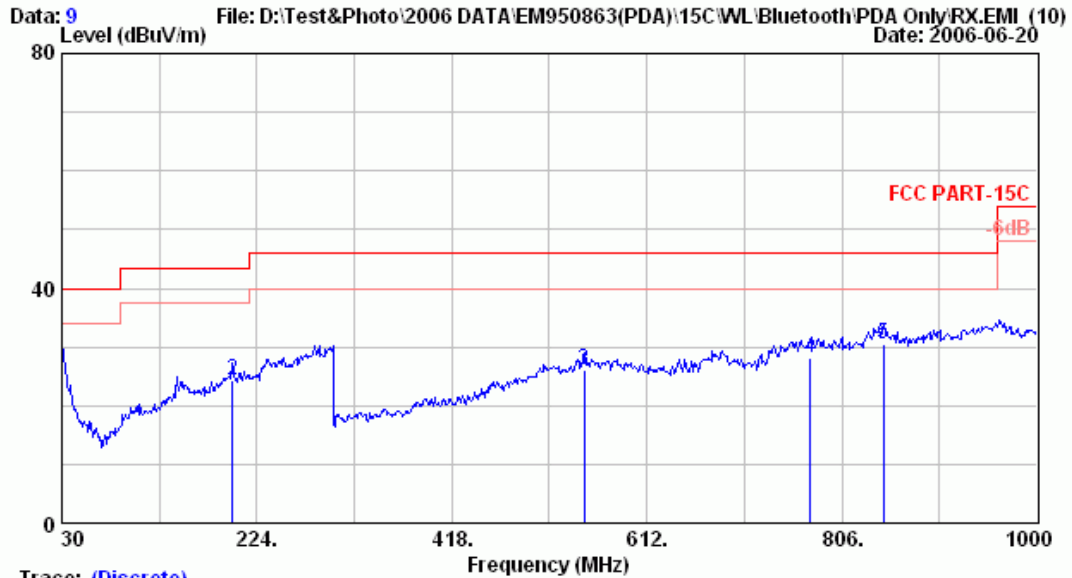
Site no. : A/C Chamber Data no. : 10
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : RX (CH78) (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	-2.89	23.02	40.00	16.98	
2	100.810	17.17	2.10	-0.34	18.93	43.50	24.57	
3	515.970	19.98	6.80	-3.79	22.99	46.00	23.01	
4	676.990	22.90	6.40	-1.96	27.34	46.00	18.66	
5	865.170	26.00	7.20	-3.85	29.35	46.00	16.65	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : RX (CH78) (Bluetooth)
 M/N:HSTNH-L12C-WL

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.000	23.60	1.10	1.96	26.66	40.00	13.34	
2	199.750	22.86	3.00	-1.65	24.21	43.50	19.29	
3	549.920	21.38	6.80	-2.21	25.97	46.00	20.03	
4	774.960	25.30	6.80	-3.84	28.26	46.00	17.74	
5	847.710	26.61	7.10	-3.10	30.61	46.00	15.39	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

3.6.2. Frequency Above 1GHz Measurement Results

3.6.2.1. WLAN (802.11b)

Date of Test : Jun. 19, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1317.520	25.34	4.88	10.04	40.26	74.00	33.74	Peak
1767.760	26.77	7.09	9.38	43.24	74.00	30.76	Peak
1317.520	25.34	4.88	2.04	32.26	54.00	21.74	Average
1767.760	26.77	7.09	1.38	35.24	54.00	18.76	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1767.760	26.77	7.09	10.38	44.24	74.00	29.76	Peak
2199.520	28.23	6.11	9.22	43.55	74.00	30.45	Peak
1767.760	26.77	7.09	2.38	36.24	54.00	17.76	Average
2199.520	28.23	6.11	1.22	35.55	54.00	18.45	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2437MHz (CH6) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission		Margin (dB)	Remark
				Level (dBµV/m)	Limits (dBµV/m)		
1372.960	25.36	5.06	8.86	39.28	74.00	34.72	Peak
1838.320	27.10	6.72	10.21	44.03	74.00	29.97	Peak
1372.960	25.36	5.06	0.86	31.28	54.00	22.72	Average
1838.320	27.10	6.72	2.21	36.03	54.00	17.97	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission		Margin (dB)	Remark
				Level (dBµV/m)	Limits (dBµV/m)		
1179.760	25.28	4.55	9.64	39.47	74.00	34.53	Peak
1893.760	27.34	6.42	9.63	43.39	74.00	30.61	Peak
1179.760	25.28	4.55	1.64	31.47	54.00	22.53	Average
1893.760	27.34	6.42	1.63	35.39	54.00	18.61	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1712.320	26.50	6.92	9.06	42.49	74.00	31.51	Peak
2216.320	28.25	6.13	9.07	43.46	74.00	30.54	Peak
1712.320	26.50	6.92	1.06	34.49	54.00	19.51	Average
2216.320	28.25	6.13	1.07	35.46	54.00	18.54	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1717.360	26.53	6.96	10.63	44.12	74.00	29.88	Peak
1964.320	27.66	6.06	9.24	42.95	74.00	31.05	Peak
1717.360	26.53	6.96	2.63	36.12	54.00	17.88	Average
1964.320	27.66	6.06	1.24	34.95	54.00	19.05	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Receiving Mode, Frequency: 2437MHz (CH6) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1779.520	26.82	7.04	8.34	42.20	74.00	31.80	Peak
1930.720	27.51	6.22	7.53	41.26	74.00	32.74	Peak
1779.520	26.82	7.04	0.34	34.20	54.00	19.80	Average
1930.720	27.51	6.22	-0.47	33.26	54.00	20.74	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1712.320	26.50	6.92	7.61	41.04	74.00	32.96	Peak
1927.360	27.49	6.23	8.16	41.88	74.00	32.12	Peak
1712.320	26.50	6.92	-0.39	33.04	54.00	20.96	Average
1927.360	27.49	6.23	0.16	33.88	54.00	20.12	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission		Margin (dB)	Remark
				Level (dBµV/m)	Limits (dBµV/m)		
1598.080	25.93	6.12	7.86	39.91	74.00	34.09	Peak
2016.400	27.84	5.88	8.87	42.59	74.00	31.41	Peak
1598.080	25.93	6.12	-0.14	31.91	54.00	22.09	Average
2016.400	27.84	5.88	0.87	34.59	54.00	19.41	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission		Margin (dB)	Remark
				Level (dBµV/m)	Limits (dBµV/m)		
1078.960	25.24	4.35	11.23	40.81	74.00	33.19	Peak
1717.360	26.53	6.96	9.12	42.61	74.00	31.39	Peak
1078.960	25.24	4.35	3.23	32.81	54.00	21.19	Average
1717.360	26.53	6.96	1.12	34.61	54.00	19.39	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2437MHz (CH6) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1120.960	25.26	4.43	9.47	39.16	74.00	34.84	Peak
1888.720	27.32	6.45	9.33	43.10	74.00	30.90	Peak
1120.960	25.26	4.43	1.47	31.16	54.00	22.84	Average
1888.720	27.32	6.45	1.33	35.10	54.00	18.90	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1300.720	25.33	4.84	9.63	39.80	74.00	34.20	Peak
1888.720	27.32	6.45	9.69	43.46	74.00	30.54	Peak
1300.720	25.33	4.84	1.63	31.80	54.00	22.20	Average
1888.720	27.32	6.45	1.69	35.46	54.00	18.54	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1124.320	25.26	4.44	9.91	39.60	74.00	34.40	Peak
1745.920	26.67	7.12	8.89	42.69	74.00	31.31	Peak
1124.320	25.26	4.44	0.91	30.60	54.00	23.40	Average
1745.920	26.67	7.12	0.89	34.69	54.00	19.31	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1641.760	26.17	6.41	8.62	41.20	74.00	32.80	Peak
2014.720	27.83	5.88	9.66	43.36	74.00	30.64	Peak
1641.760	26.17	6.41	0.62	33.20	54.00	20.80	Average
2014.720	27.83	5.88	1.66	35.36	54.00	18.64	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Receiving Mode, Frequency: 2437MHz (CH6) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Cable		Emission				
	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1717.360	26.53	6.96	7.78	41.27	74.00	32.73	Peak
1930.720	27.51	6.22	7.41	41.14	74.00	32.86	Peak
1717.360	26.53	6.96	-0.22	33.27	54.00	20.73	Average
1930.720	27.51	6.22	-0.59	33.14	54.00	20.86	Average

Vertical

Freq. (MHz)	Ant. Cable		Emission				
	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1535.920	25.59	5.67	6.50	37.76	74.00	36.24	Peak
1818.160	27.01	6.80	6.51	40.32	74.00	33.68	Peak
1535.920	25.59	5.67	-1.50	29.76	54.00	24.24	Average
1818.160	27.01	6.80	-1.49	32.32	54.00	21.68	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

3.6.2.2. WLAN (802.11g)

Date of Test : Jun. 19, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1619.920	26.05	6.29	9.50	41.84	74.00	32.16	Peak
1893.760	27.34	6.42	9.30	43.06	74.00	30.94	Peak
1619.920	26.05	6.29	1.50	33.84	54.00	20.16	Average
1893.760	27.34	6.42	1.30	35.06	54.00	18.94	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1720.720	26.55	6.96	9.19	42.70	74.00	31.30	Peak
2137.360	28.10	6.04	9.70	43.84	74.00	30.16	Peak
1720.720	26.55	6.96	1.19	34.70	54.00	19.30	Average
2137.360	28.10	6.04	1.70	35.84	54.00	18.16	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2437MHz (CH6) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1712.320	26.50	6.92	9.53	42.96	74.00	31.04	Peak
1930.720	27.51	6.22	9.39	43.12	74.00	30.88	Peak
1712.320	26.50	6.92	1.53	34.96	54.00	19.04	Average
1930.720	27.51	6.22	1.39	35.12	54.00	18.88	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1473.760	25.39	5.34	10.14	40.87	74.00	33.13	Peak
1885.360	27.30	6.45	9.12	42.86	74.00	31.14	Peak
1473.760	25.39	5.34	2.14	32.87	54.00	21.13	Average
1885.360	27.30	6.45	1.12	34.86	54.00	19.14	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Cable		Emission				
	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1537.600	25.62	5.70	9.42	40.74	74.00	33.26	Peak
1893.760	27.34	6.42	9.32	43.08	74.00	30.92	Peak
1537.600	25.62	5.70	1.42	32.74	54.00	21.26	Average
1893.760	27.34	6.42	1.32	35.08	54.00	18.92	Average

Vertical

Freq. (MHz)	Ant. Cable		Emission				
	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1725.760	26.58	7.00	9.43	43.01	74.00	30.99	Peak
2014.720	27.83	5.88	8.82	42.52	74.00	31.48	Peak
1725.760	26.58	7.00	1.43	35.01	54.00	18.99	Average
2014.720	27.83	5.88	0.82	34.52	54.00	19.48	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Receiving Mode, Frequency: 2437MHz (CH6) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1608.160	25.98	6.21	9.63	41.82	74.00	32.18	Peak
2019.760	27.84	5.89	6.74	40.46	74.00	33.54	Peak
1608.160	25.98	6.21	1.63	33.82	54.00	20.18	Average
2019.760	27.84	5.89	-1.26	32.46	54.00	21.54	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1675.360	26.34	6.65	7.60	40.58	74.00	33.42	Peak
2137.360	28.10	6.04	8.72	42.86	74.00	31.14	Peak
1675.360	26.34	6.65	-0.40	32.58	54.00	21.42	Average
2137.360	28.10	6.04	0.72	34.86	54.00	19.14	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission		Limits (dBµV/m)	Margin (dB)	Remark
			Reading (dBµV)	Level (dBµV/m)			
1535.920	25.59	5.67	9.17	40.43	74.00	33.57	Peak
1893.760	27.34	6.42	10.02	43.78	74.00	30.22	Peak
1535.920	25.59	5.67	1.17	32.43	54.00	21.57	Average
1893.760	27.34	6.42	2.02	35.78	54.00	18.22	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission		Limits (dBµV/m)	Margin (dB)	Remark
			Reading (dBµV)	Level (dBµV/m)			
1132.720	25.26	4.46	11.67	41.39	74.00	32.61	Peak
1641.760	26.17	6.41	8.67	41.25	74.00	32.75	Peak
1132.720	25.26	4.46	3.67	33.39	54.00	20.61	Average
1641.760	26.17	6.41	1.67	34.25	54.00	19.75	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2437MHz (CH6) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Cable		Emission				
	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1725.760	26.58	7.00	8.82	42.40	74.00	31.60	Peak
1930.720	27.51	6.22	9.58	43.31	74.00	30.69	Peak
1725.760	26.58	7.00	0.82	34.40	54.00	19.60	Average
1930.720	27.51	6.22	1.58	35.31	54.00	18.69	Average

Vertical

Freq. (MHz)	Ant. Cable		Emission				
	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1535.920	25.59	5.67	8.91	40.17	74.00	33.83	Peak
1838.320	27.10	6.72	9.39	43.21	74.00	30.79	Peak
1535.920	25.59	5.67	0.91	32.17	54.00	21.83	Average
1838.320	27.10	6.72	1.39	35.21	54.00	18.79	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	9.12	39.01	74.00	34.99	Peak
1792.960	26.89	6.94	9.14	42.97	74.00	31.03	Peak
1204.960	25.29	4.59	1.12	31.01	54.00	22.99	Average
1792.960	26.89	6.94	1.14	34.97	54.00	19.03	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1767.760	26.77	7.09	8.89	42.75	74.00	31.25	Peak
1893.760	27.34	6.42	9.53	43.29	74.00	30.71	Peak
1767.760	26.77	7.09	0.89	34.75	54.00	19.25	Average
1893.760	27.34	6.42	1.53	35.29	54.00	18.71	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Receiving Mode, Frequency: 2437MHz (CH6) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1645.120	26.17	6.45	6.35	38.97	74.00	35.03	Peak
1826.560	27.03	6.77	7.53	41.33	74.00	32.67	Peak
1645.120	26.17	6.45	-1.65	30.97	54.00	23.03	Average
1826.560	27.03	6.77	-0.47	33.33	54.00	20.67	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1250.320	25.31	4.68	7.64	37.63	74.00	36.37	Peak
1801.360	26.94	6.92	6.62	40.47	74.00	33.53	Peak
1250.320	25.31	4.68	-0.36	29.63	54.00	24.37	Average
1801.360	26.94	6.92	-1.38	32.47	54.00	21.53	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

3.6.2.3. Bluetooth

Date of Test : Jun. 21, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2402MHz (CH0) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1204.960	25.29	4.59	9.43	39.32	74.00	34.68	Peak
1809.760	26.96	6.85	8.37	42.18	74.00	31.82	Peak
2560.720	29.05	6.57	8.02	43.65	74.00	30.35	Peak
1204.960	25.29	4.59	1.43	31.32	54.00	22.68	Average
1809.760	26.96	6.85	0.37	34.18	54.00	19.82	Average
2560.720	29.05	6.57	0.02	35.65	54.00	18.35	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1204.960	25.29	4.59	10.98	40.87	74.00	33.13	Peak
2132.320	28.09	6.03	8.62	42.73	74.00	31.27	Peak
2560.720	29.05	6.57	12.25	47.88	74.00	26.12	Peak
2641.360	29.40	6.69	9.94	46.03	74.00	27.97	Peak
1204.960	25.29	4.59	2.98	32.87	54.00	21.13	Average
2132.320	28.09	6.03	0.62	34.73	54.00	19.27	Average
2560.720	29.05	6.57	4.25	39.88	54.00	14.12	Average
2641.360	29.40	6.69	1.94	38.03	54.00	15.97	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 21, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2441MHz (CH39) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	10.33	40.22	74.00	33.78	Peak
1796.320	26.91	6.92	8.24	42.07	74.00	31.93	Peak
2624.560	29.34	6.66	7.55	43.55	74.00	30.45	Peak
1204.960	25.29	4.59	2.33	32.22	54.00	21.78	Average
1796.320	26.91	6.92	0.24	34.07	54.00	19.93	Average
2624.560	29.34	6.66	-0.45	35.55	54.00	18.45	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1104.160	25.25	4.40	11.53	41.18	74.00	32.82	Peak
2132.320	28.09	6.03	7.85	41.96	74.00	32.04	Peak
2560.720	29.05	6.57	11.76	47.39	74.00	26.61	Peak
2641.360	29.40	6.69	9.99	46.08	74.00	27.92	Peak
1104.160	25.25	4.40	3.53	33.18	54.00	20.82	Average
2132.320	28.09	6.03	-0.15	33.96	54.00	20.04	Average
2560.720	29.05	6.57	2.76	38.39	54.00	15.61	Average
2641.360	29.40	6.69	1.99	38.08	54.00	15.92	Average

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 21, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2480MHz (CH78) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	9.61	39.50	74.00	34.50	Peak
1851.760	27.15	6.62	7.85	41.62	74.00	32.38	Peak
2002.960	27.80	5.86	8.02	41.68	74.00	32.32	Peak
1204.960	25.29	4.59	1.61	31.50	54.00	22.50	Average
1851.760	27.15	6.62	-0.15	33.62	54.00	20.38	Average
2002.960	27.80	5.86	0.02	33.68	54.00	20.32	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	9.89	39.78	74.00	34.22	Peak
2132.320	28.09	6.03	9.07	43.18	74.00	30.82	Peak
2560.720	29.05	6.57	11.21	46.84	74.00	27.16	Peak
1204.960	25.29	4.59	1.89	31.78	54.00	22.22	Average
2132.320	28.09	6.03	1.07	35.18	54.00	18.82	Average
2560.720	29.05	6.57	3.21	38.84	54.00	15.16	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 21, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Receiving Mode, Frequency: 2480MHz (CH78) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission		Margin (dB)	Remark
				Level (dBµV/m)	Limits (dBµV/m)		
1149.520	25.27	4.49	9.31	39.08	74.00	34.92	Peak
1729.120	26.58	7.04	7.41	41.02	74.00	32.98	Peak
2263.360	28.36	6.18	6.58	41.12	74.00	32.88	Peak
1149.520	25.27	4.49	1.31	31.08	54.00	22.92	Average
1729.120	26.58	7.04	-0.59	33.02	54.00	20.98	Average
2263.360	28.36	6.18	-1.42	33.12	54.00	20.88	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission		Margin (dB)	Remark
				Level (dBµV/m)	Limits (dBµV/m)		
1204.960	25.29	4.59	10.00	39.89	74.00	34.11	Peak
1678.720	26.34	6.69	10.13	43.16	74.00	30.84	Peak
2560.720	29.05	6.57	10.86	46.49	74.00	27.51	Peak
1204.960	25.29	4.59	2.00	31.89	54.00	22.11	Average
1678.720	26.34	6.69	2.13	35.16	54.00	18.84	Average
2560.720	29.05	6.57	2.86	38.49	54.00	15.51	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 21, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2402MHz (CH0) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	10.68	40.57	74.00	33.43	Peak
1818.160	27.01	6.80	8.25	42.06	74.00	31.94	Peak
2627.920	29.34	6.68	7.42	43.43	74.00	30.57	Peak
1204.960	25.29	4.59	2.68	32.57	54.00	21.43	Average
1818.160	27.01	6.80	0.25	34.06	54.00	19.94	Average
2627.920	29.34	6.68	-0.58	35.43	54.00	18.57	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1104.160	25.25	4.40	10.35	40.00	74.00	34.00	Peak
1204.960	25.29	4.59	11.61	41.50	74.00	32.50	Peak
2132.320	28.09	6.03	8.54	42.65	74.00	31.35	Peak
2481.760	28.76	6.44	11.39	46.59	74.00	27.41	Peak
2560.720	29.05	6.57	12.00	47.63	74.00	26.37	Peak
1104.160	25.25	4.40	2.35	32.00	54.00	22.00	Average
1204.960	25.29	4.59	3.61	33.50	54.00	20.50	Average
2132.320	28.09	6.03	0.54	34.65	54.00	19.35	Average
2481.760	28.76	6.44	3.39	38.59	54.00	15.41	Average
2560.720	29.05	6.57	4.00	39.63	54.00	14.37	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 21, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2441MHz (CH39) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	9.90	39.79	74.00	34.21	Peak
1636.720	26.12	6.38	8.91	41.41	74.00	32.59	Peak
2619.520	29.31	6.66	8.82	44.78	74.00	29.22	Peak
1204.960	25.29	4.59	1.90	31.79	54.00	22.21	Average
1636.720	26.12	6.38	0.91	33.41	54.00	20.59	Average
2619.520	29.31	6.66	1.82	37.78	54.00	16.22	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	11.12	41.01	74.00	32.99	Peak
2132.320	28.09	6.03	9.07	43.18	74.00	30.82	Peak
2560.720	29.05	6.57	11.65	47.28	74.00	26.72	Peak
2641.360	29.40	6.69	9.78	45.87	74.00	28.13	Peak
1204.960	25.29	4.59	3.12	33.01	54.00	20.99	Average
2132.320	28.09	6.03	1.07	35.18	54.00	18.82	Average
2560.720	29.05	6.57	3.65	39.28	54.00	14.72	Average
2641.360	29.40	6.69	2.78	38.87	54.00	15.13	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 21, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2480MHz (CH78) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	10.19	40.08	74.00	33.92	Peak
1776.160	26.82	7.04	8.96	42.82	74.00	31.18	Peak
2632.960	29.37	6.68	7.25	43.30	74.00	30.70	Peak
1204.960	25.29	4.59	2.19	32.08	54.00	21.92	Average
1776.160	26.82	7.04	0.96	34.82	54.00	19.18	Average
2632.960	29.37	6.68	-0.75	35.30	54.00	18.70	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	11.59	41.48	74.00	32.52	Peak
2132.320	28.09	6.03	9.34	43.45	74.00	30.55	Peak
2560.720	29.05	6.57	12.02	47.65	74.00	26.35	Peak
2641.360	29.40	6.69	10.52	46.61	74.00	27.39	Peak
1204.960	25.29	4.59	3.59	33.48	54.00	20.52	Average
2132.320	28.09	6.03	1.34	35.45	54.00	18.55	Average
2560.720	29.05	6.57	4.02	39.65	54.00	14.35	Average
2641.360	29.40	6.69	2.52	38.61	54.00	15.39	Average

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Jun. 21, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Receiving Mode, Frequency: 2480MHz (CH78) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1204.960	25.29	4.59	9.71	39.60	74.00	34.40	Peak
1729.120	26.58	7.04	7.63	41.24	74.00	32.76	Peak
1893.760	27.34	6.42	6.94	40.70	74.00	33.30	Peak
1204.960	25.29	4.59	1.71	31.60	54.00	22.40	Average
1729.120	26.58	7.04	-0.37	33.24	54.00	20.76	Average
1893.760	27.34	6.42	-0.06	33.70	54.00	20.30	Average

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1678.720	26.34	6.69	9.33	42.36	74.00	31.64	Peak
2560.720	29.05	6.57	12.15	47.78	74.00	26.22	Peak
2641.360	29.40	6.69	9.37	45.46	74.00	28.54	Peak
1678.720	26.34	6.69	1.33	34.36	54.00	19.64	Average
2560.720	29.05	6.57	4.15	39.78	54.00	14.22	Average
2641.360	29.40	6.69	1.37	37.46	54.00	16.54	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

3.6.3. Restricted Bands Measurement Results

3.6.3.1. WLAN (802.11b)

Date of Test : Jun. 19, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2378.420	28.58	6.32	7.65	42.55	74.00	31.45	Peak
2379.960	28.58	6.32	-5.32	29.59	54.00	24.41	Average

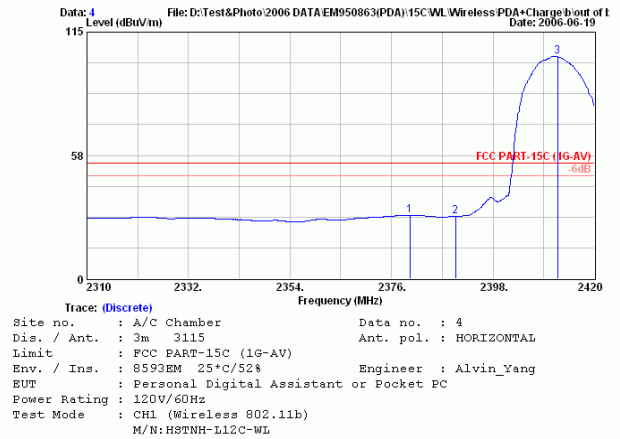
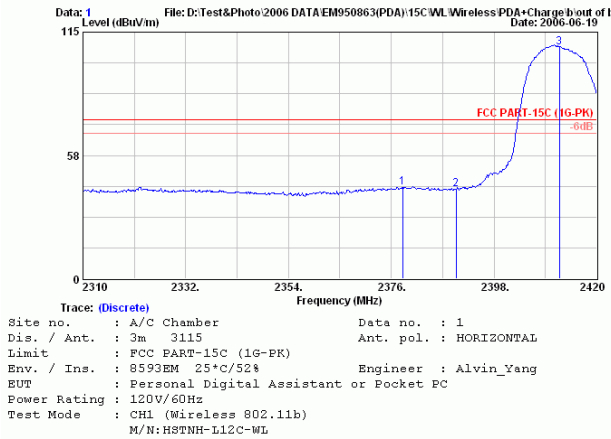
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : AC 120V, 60Hz

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2389.090	28.59	6.34	9.81	44.74	74.00	29.26	Peak
2379.960	28.58	6.32	-4.24	30.66	54.00	23.34	Average

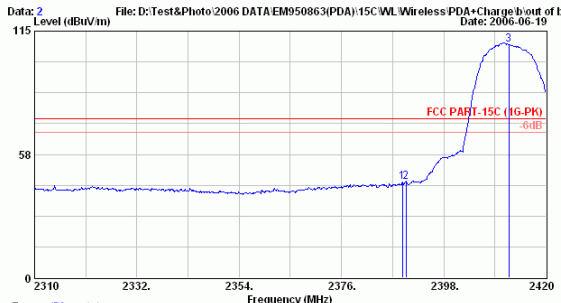
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



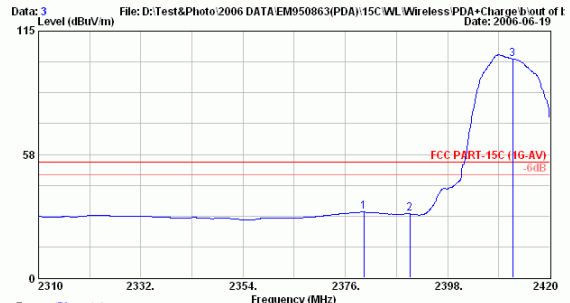
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Site no. : A/C Chamber Data no. : 2
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH1 (Wireless 802.11b)
 M/N: HSTNH-L12C-WL



Site no. : A/C Chamber Data no. : 3
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH1 (Wireless 802.11b)
 M/N: HSTNH-L12C-WL

Date of Test : Jun. 19, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2483.840	28.77	6.45	7.98	43.20	74.00	30.80	Peak
2483.600	28.77	6.45	-5.71	29.51	54.00	24.49	Average

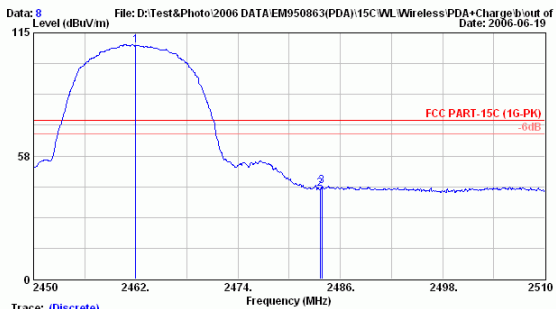
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



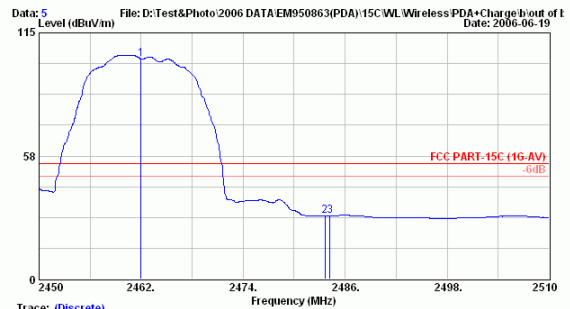
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 8
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11b)
 M/N: H8T9H-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 5
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11b)
 M/N: H8T9H-L12C-WL

Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : AC 120V, 60Hz

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
2485.640	28.77	6.45	9.71	44.94	74.00	29.06	Peak
2491.220	28.79	6.46	-4.31	30.94	54.00	23.06	Average

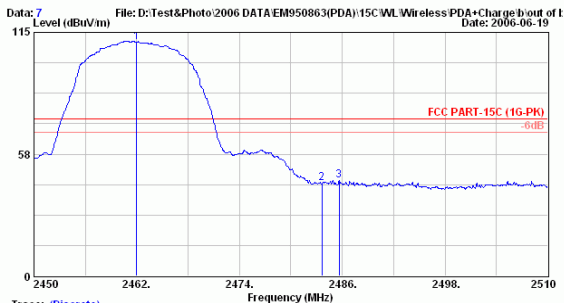
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



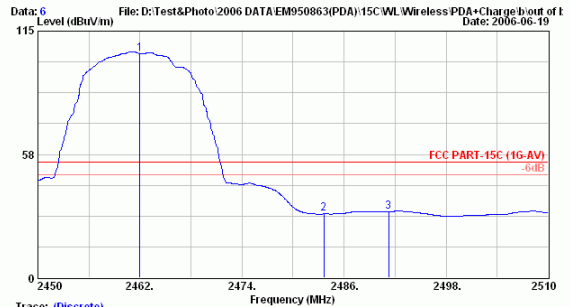
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Site no. : A/C Chamber Data no. : 7
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11b)
 M/N: H8TNH-L12C-WL



Site no. : A/C Chamber Data no. : 6
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11b)
 M/N: H8TNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2389.090	28.59	6.34	8.67	43.60	74.00	30.40	Peak
2389.860	28.59	6.34	-3.49	31.44	54.00	22.56	Average

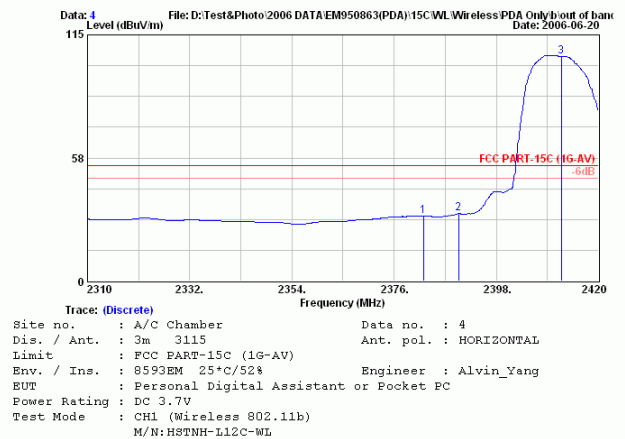
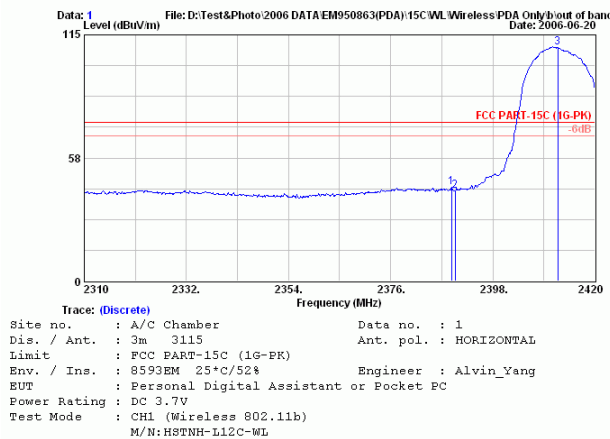
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : DC 3.7V

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission				
			Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
2381.170	28.58	6.33	9.10	44.01	74.00	29.99	Peak
2389.860	28.59	6.34	-3.17	31.76	54.00	22.24	Average

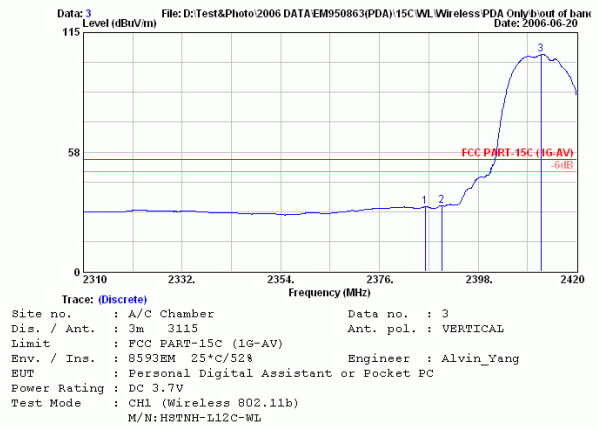
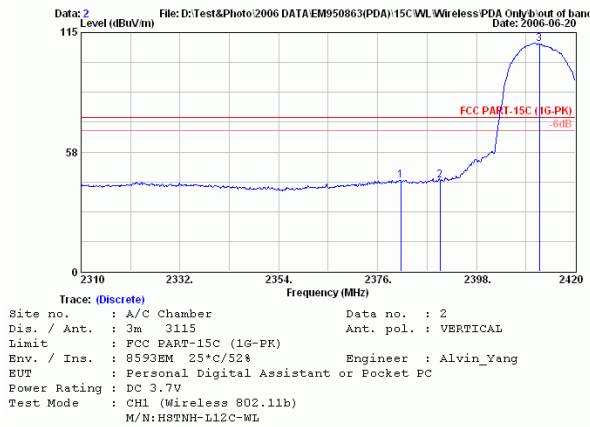
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
2485.640	28.77	6.45	8.69	43.92	74.00	30.08	Peak
2483.600	28.77	6.45	-4.40	30.83	54.00	23.17	Average

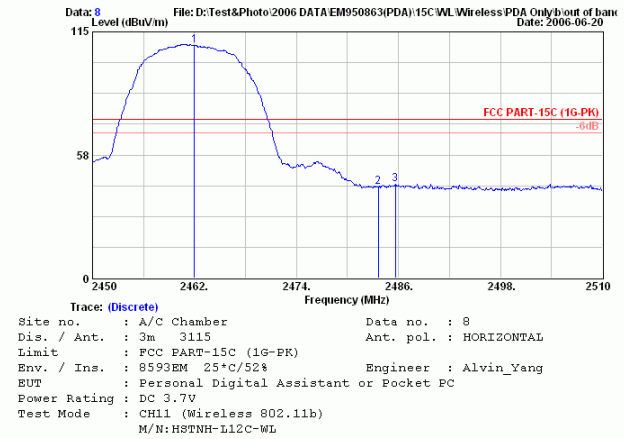
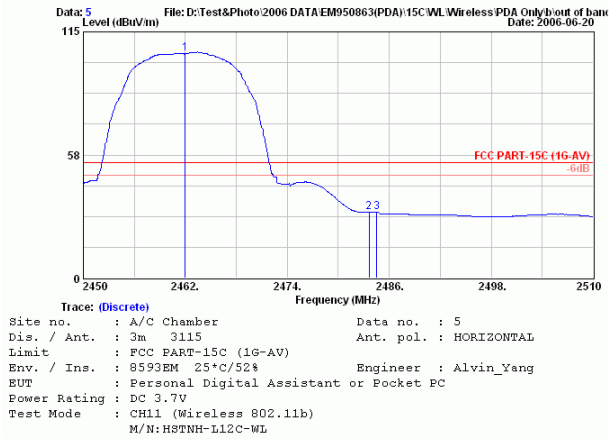
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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 Email:temc@temc.com.tw



Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : DC 3.7V

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2493.320	28.79	6.46	9.86	45.11	74.00	28.89	Peak
2483.600	28.77	6.45	-3.84	31.38	54.00	22.62	Average

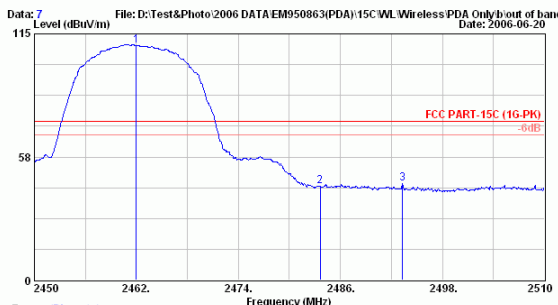
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



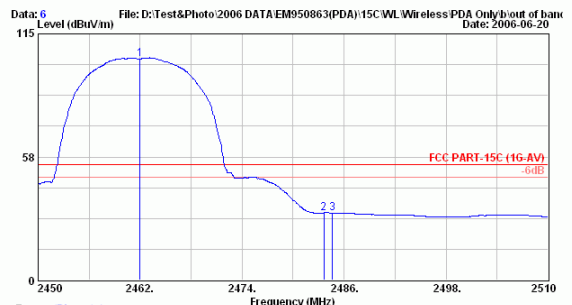
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 7
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 9593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11b)
 M/N: H8TNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 6
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 9593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11b)
 M/N: H8TNH-L12C-WL

3.6.3.2. WLAN (802.11g)

Date of Test : Jun. 19, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
2389.860	28.59	6.34	12.03	46.97	74.00	27.03	Peak
2389.860	28.59	6.34	-3.47	31.46	54.00	22.54	Average

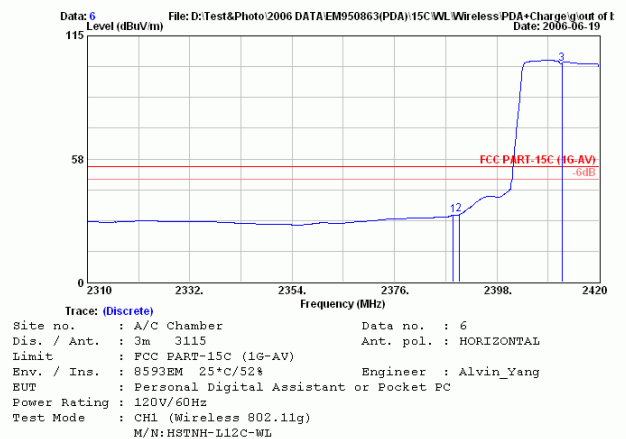
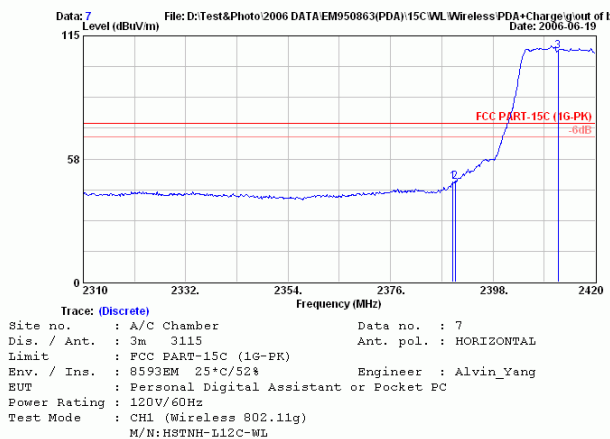
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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 Email:ttenc@ttenc.com.tw



Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : AC 120V, 60Hz

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2389.640	28.59	6.34	16.56	51.50	74.00	22.50	Peak
2389.860	28.59	6.34	0.21	35.14	54.00	18.86	Average

- Remark :
1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

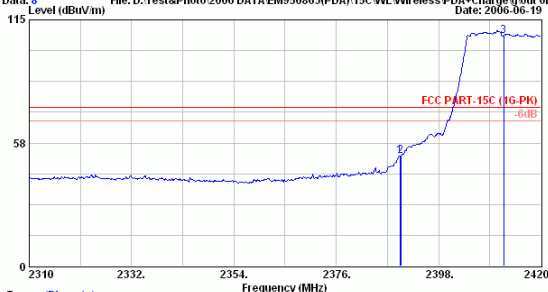


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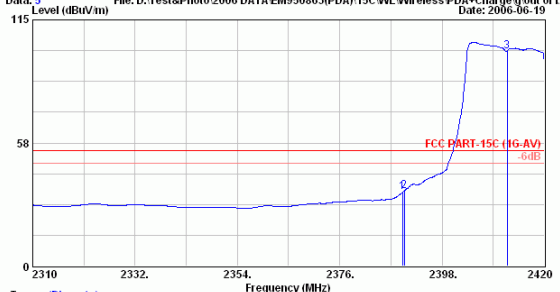
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Data: 8 File: D:\Test&Photo\2006 DATA\EM950863(PDA)-15C WL Wireless PDA*Charge g out of t Date: 2006-06-19



Trace: (Discrete)
Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
EUT : Personal Digital Assistant or Pocket PC
Power Rating : 120V/60Hz
Test Mode : CH1 (Wireless 802.11g)
M/N: H8TNNH-L12C-WL

Data: 5 File: D:\Test&Photo\2006 DATA\EM950863(PDA)-15C WL Wireless PDA*Charge g out of t Date: 2006-06-19



Trace: (Discrete)
Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
EUT : Personal Digital Assistant or Pocket PC
Power Rating : 120V/60Hz
Test Mode : CH1 (Wireless 802.11g)
M/N: H8TNNH-L12C-WL

Date of Test : Jun. 19, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2483.840	28.77	6.45	15.95	51.17	74.00	22.83	Peak
2484.140	28.77	6.45	-1.93	33.29	54.00	20.71	Average

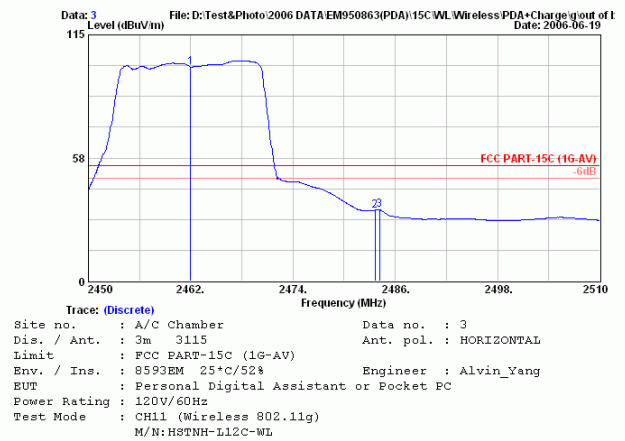
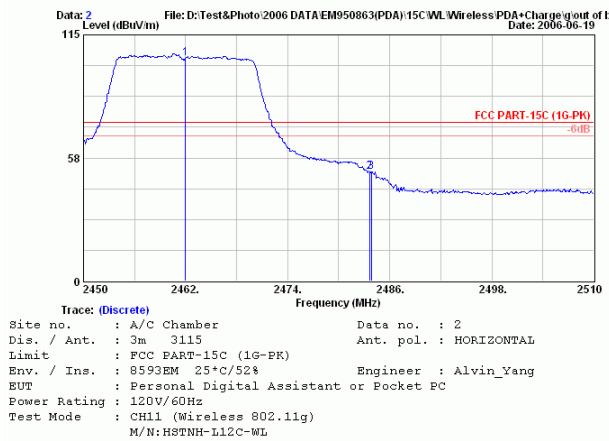
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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Date of Test : Jun. 19, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : AC 120V, 60Hz

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2483.720	28.77	6.45	24.42	59.64	74.00	14.36	Peak
2483.600	28.77	6.45	3.69	38.92	54.00	15.08	Average

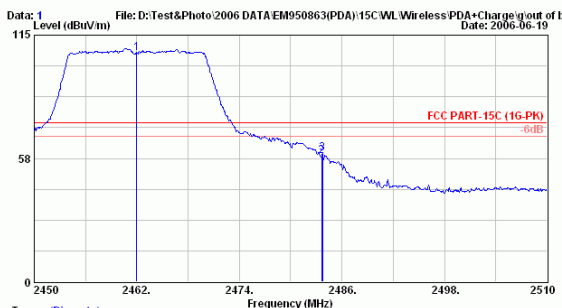
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



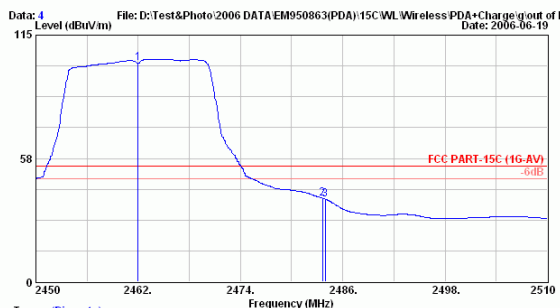
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 1
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11g)
 M/N: H8TNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 4
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120V/60Hz
 Test Mode : CH11 (Wireless 802.11g)
 M/N: H8TNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
2389.640	28.59	6.34	17.62	52.56	74.00	21.44	Peak
2389.860	28.59	6.34	-3.00	31.93	54.00	22.07	Average

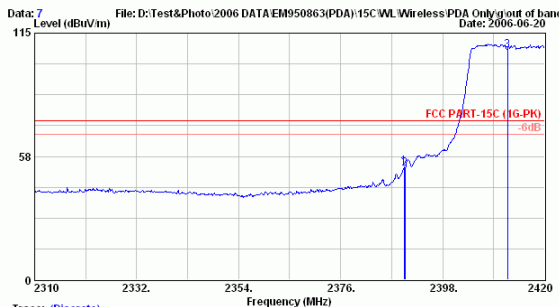
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



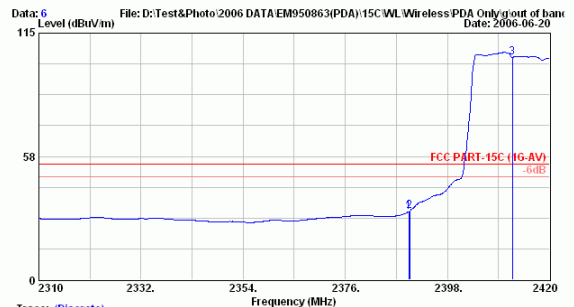
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 7
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (16-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11g)
 M/N: HSTNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 6
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (16-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11g)
 M/N: HSTNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2412MHz (CH1) Test Voltage : DC 3.7V

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2389.860	28.59	6.34	19.11	54.05	74.00	19.95	Peak
2389.860	28.59	6.34	0.75	35.68	54.00	18.32	Average

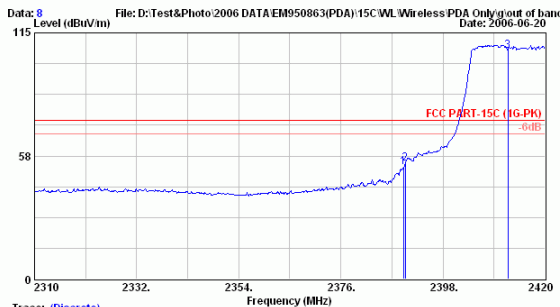
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



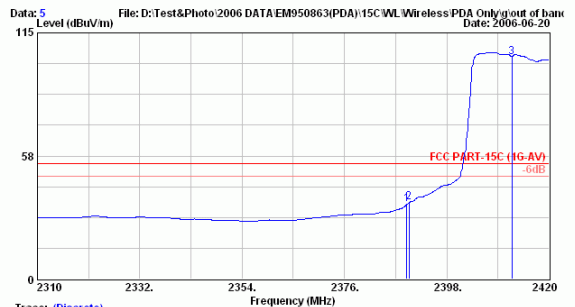
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 8
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11g)
 M/N: H8TNH-L12C-WL



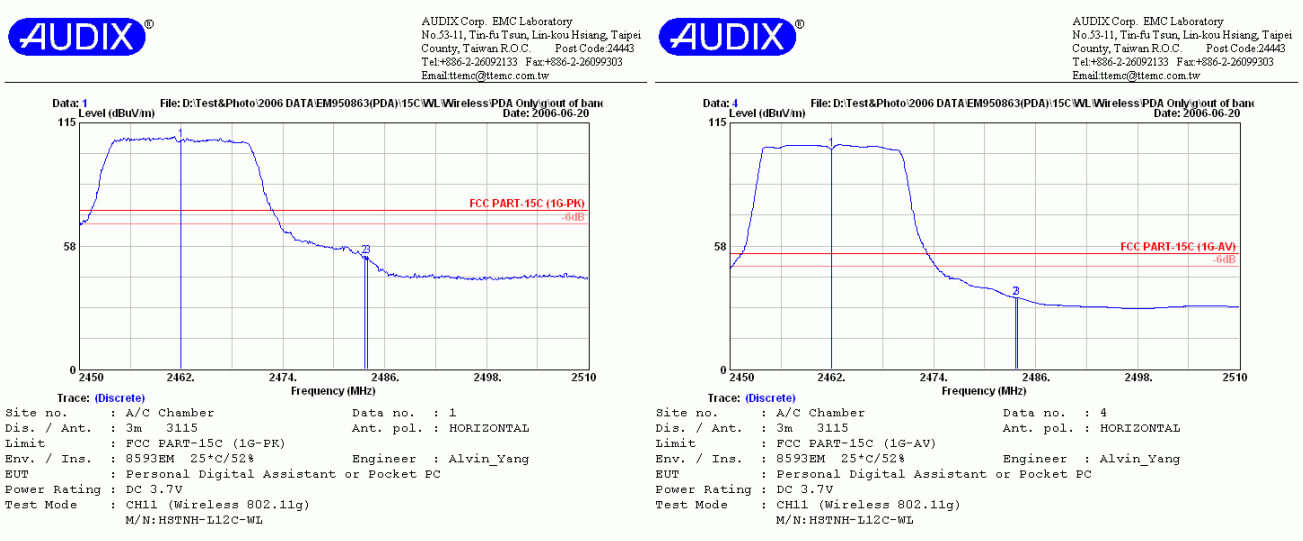
Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 5
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH1 (Wireless 802.11g)
 M/N: H8TNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2484.020	28.77	6.45	17.60	52.82	74.00	21.18	Peak
2483.600	28.77	6.45	-1.85	33.37	54.00	20.63	Average

- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2462MHz (CH11) Test Voltage : DC 3.7V

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2483.720	28.77	6.45	20.98	56.20	74.00	17.80	Peak
2483.600	28.77	6.45	0.19	35.41	54.00	18.59	Average

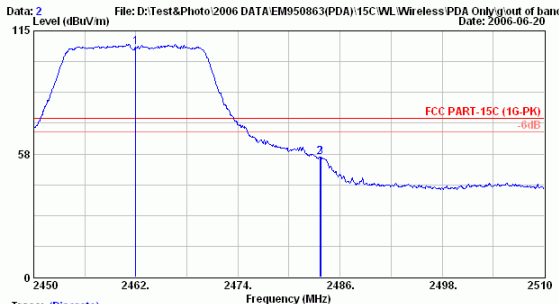
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



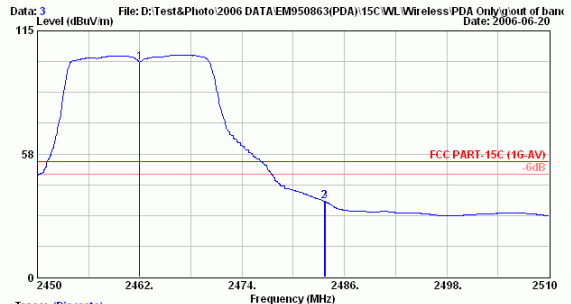
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 2
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 3
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH11 (Wireless 802.11g)
 M/N:HSTNH-L12C-WL

3.6.3.3. Bluetooth

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2402MHz (CH0) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2381.060	28.58	6.33	11.75	46.66	74.00	27.34	Peak
2381.060	28.58	6.33	-1.42	33.49	54.00	20.51	Average

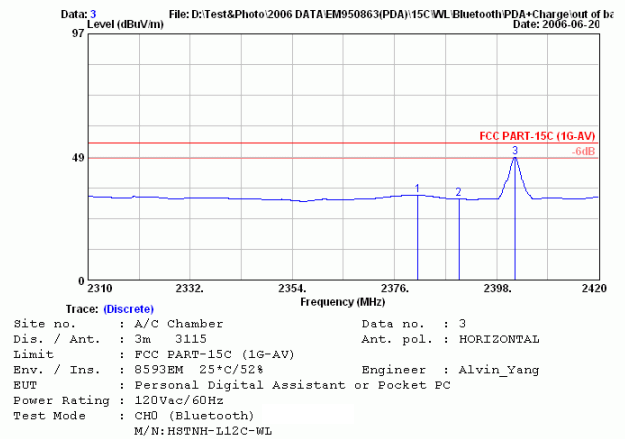
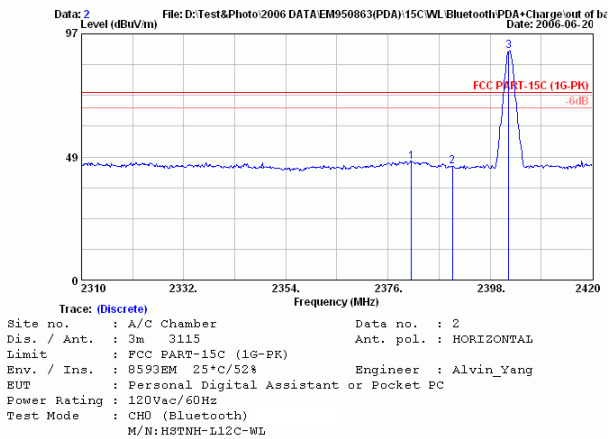
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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 Email:ttenc@ttenc.com.tw



Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2402MHz (CH0) Test Voltage : AC 120V, 60Hz

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2383.040	28.58	6.33	11.88	46.79	74.00	27.21	Peak
2383.260	28.58	6.33	-1.80	33.11	54.00	20.89	Average

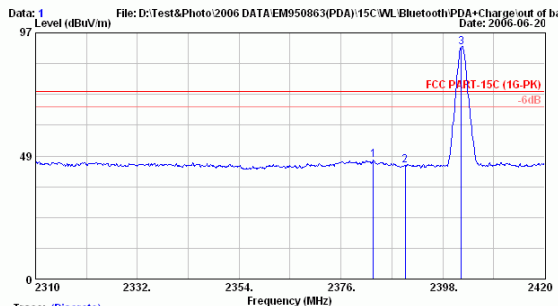
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



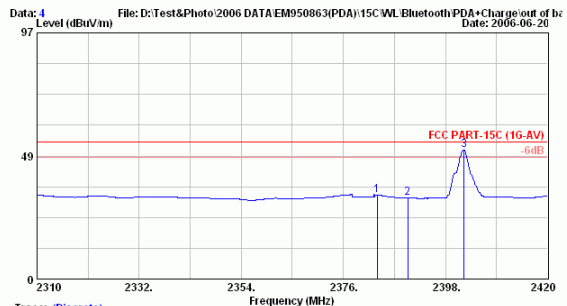
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 1
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH0 (Bluetooth)
 M/N: H8TNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 4
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH0 (Bluetooth)
 M/N: H8TNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2480MHz (CH78) Test Voltage : AC 120V, 60Hz

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2487.640	28.77	6.45	11.39	46.61	74.00	27.39	Peak
2483.600	28.77	6.45	-2.91	32.31	54.00	21.69	Average

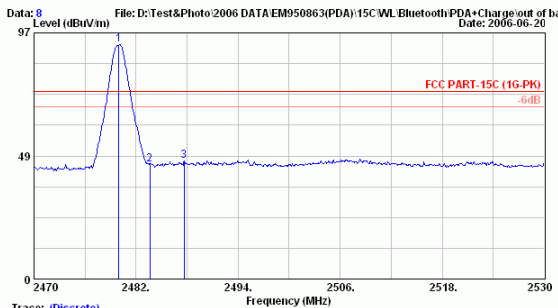
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



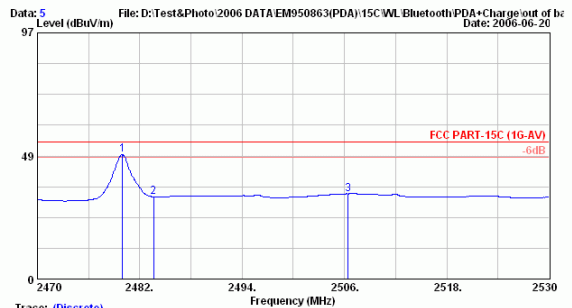
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 8
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH78 (Bluetooth)
 M/N: HSTNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 5
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH78 (Bluetooth)
 M/N: HSTNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2480MHz (CH78) Test Voltage : AC 120V, 60Hz

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2483.600	28.77	6.45	8.98	44.20	74.00	29.80	Peak
2496.100	28.79	6.46	-1.60	33.65	54.00	20.35	Average

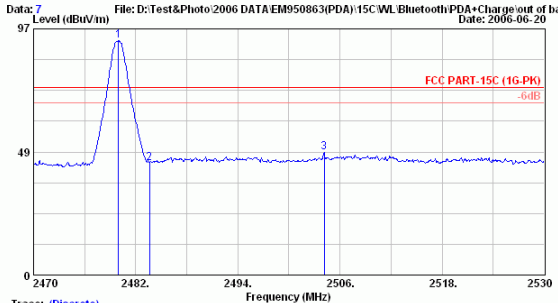
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



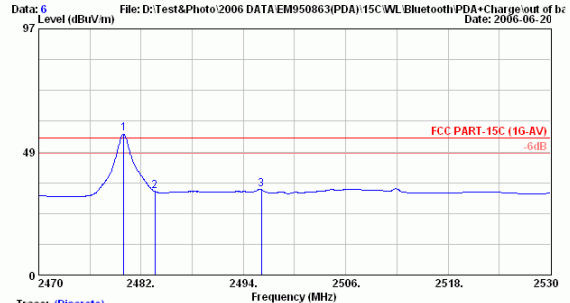
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 Email:ttmc@ttmc.com.tw



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 7
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH78 (Bluetooth)
 M/N: HSTNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 6
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : 120Vac/60Hz
 Test Mode : CH78 (Bluetooth)

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2402MHz (CH0) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2349.490	28.53	6.29	11.15	45.97	74.00	28.03	Peak
2380.950	28.58	6.33	-1.49	33.42	54.00	20.58	Average

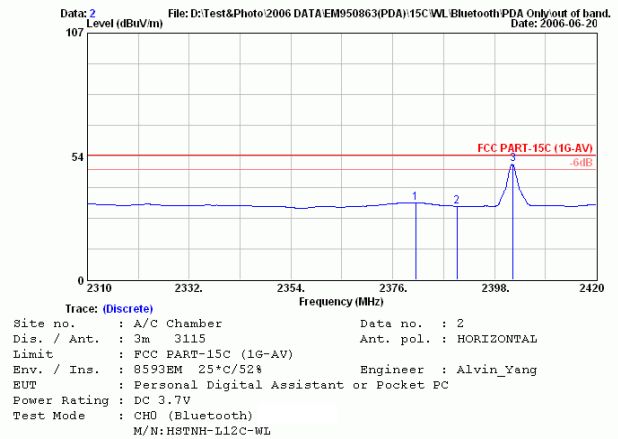
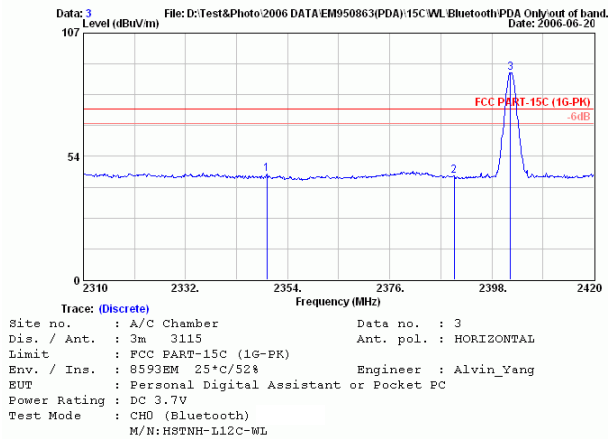
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2402MHz (CH0) Test Voltage : DC 3.7V

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
2381.060	28.58	6.33	11.14	46.05	74.00	27.95	Peak
2383.700	28.59	6.33	0.00	34.93	54.00	19.07	Average

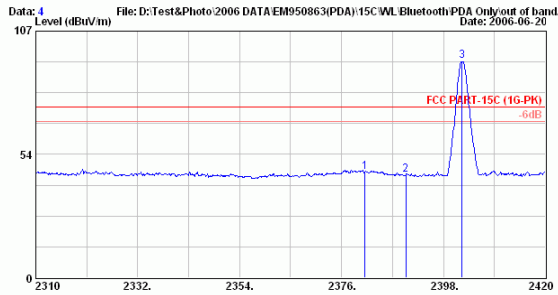
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



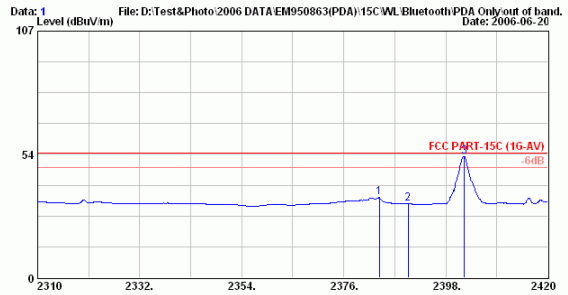
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 4
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH0 (Bluetooth)
 M/N: HSTNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 1
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH0 (Bluetooth)
 M/N: HSTNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25
 EUT : Personal Digital Assistant or Pocket PC Humidity : 52%
 Test Mode : Transmitting Mode, Frequency: 2480MHz (CH78) Test Voltage : DC 3.7V

Horizontal

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
2483.600	28.77	6.45	8.88	44.10	74.00	29.90	Peak
2483.600	28.77	6.45	-2.30	32.92	54.00	21.08	Average

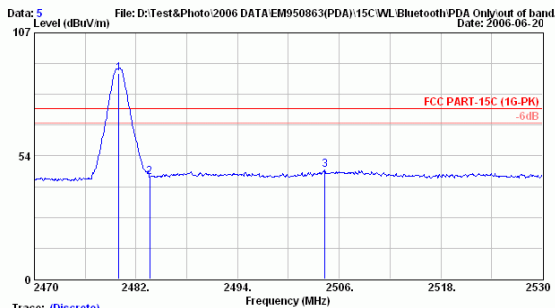
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



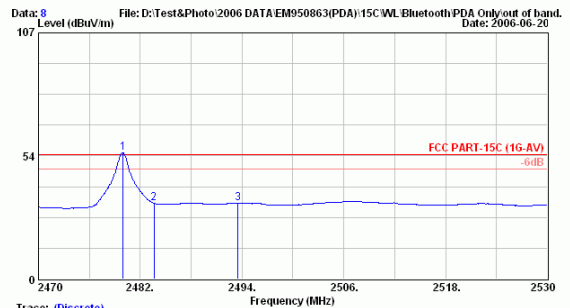
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 5
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH78 (Bluetooth)
 M/N: H8TNH-L12C-WL



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 8
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8593EM 25°C/52% Engineer : Alvin_Yang
 EUT : Personal Digital Assistant or Pocket PC
 Power Rating : DC 3.7V
 Test Mode : CH78 (Bluetooth)
 M/N: H8TNH-L12C-WL

Date of Test : Jun. 20, 2006 Temperature : 25

EUT : Personal Digital Assistant or Pocket PC Humidity : 52%

Test Mode : Transmitting Mode, Frequency: 2480MHz (CH78) Test Voltage : DC 3.7V

Vertical

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Emission Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
2491.120	28.79	6.46	11.43	46.68	74.00	27.32	Peak
2495.800	28.79	6.46	-1.73	33.52	54.00	20.48	Average

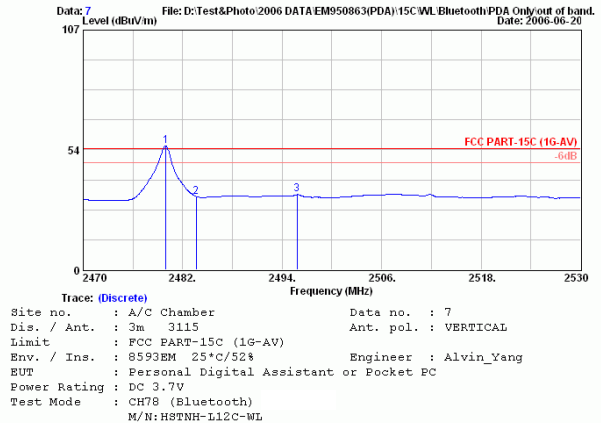
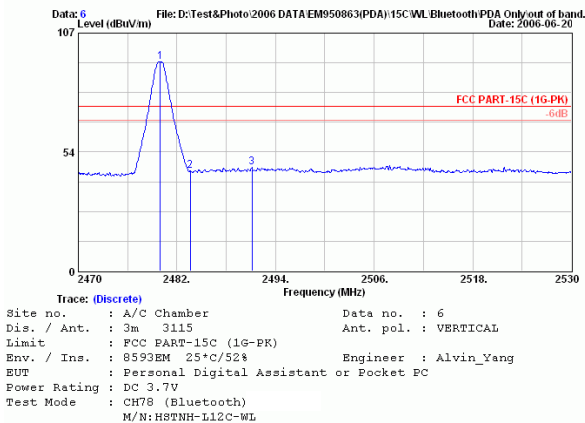
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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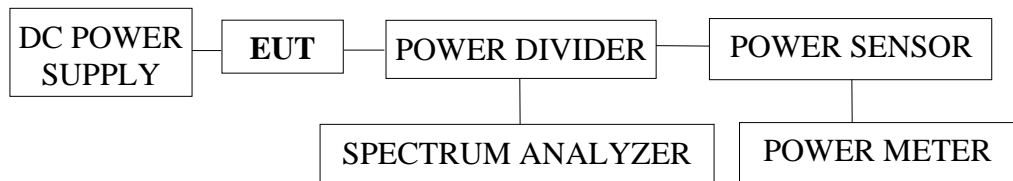
4. 6dB BANDWIDTH MEASUREMENT (WLAN)

4.1. Test Equipment

The following test equipment was used during the 6dB bandwidth measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
3.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

4.2. Block Diagram of Test Setup



EUT: Personal Digital Assistant or Pocket PC

4.3. Specification Limits (§15.247(a)(2))

The minimum 6dB bandwidth shall be at least 500kHz.

4.4. Operating Condition of EUT

- 4.4.1. Setup the EUT and simulator as shown on 4.2.
- 4.4.2. Turn on the power of all equipment.
- 4.4.3. The EUT (Personal Digital Assistant or Pocket PC) running test software “FCC Test_2.exe” set the EUT to transmit and receive channel through wireless LAN card during the testing.

4.5. Test Procedure

The RF output of EUT was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

4.6. Test Results

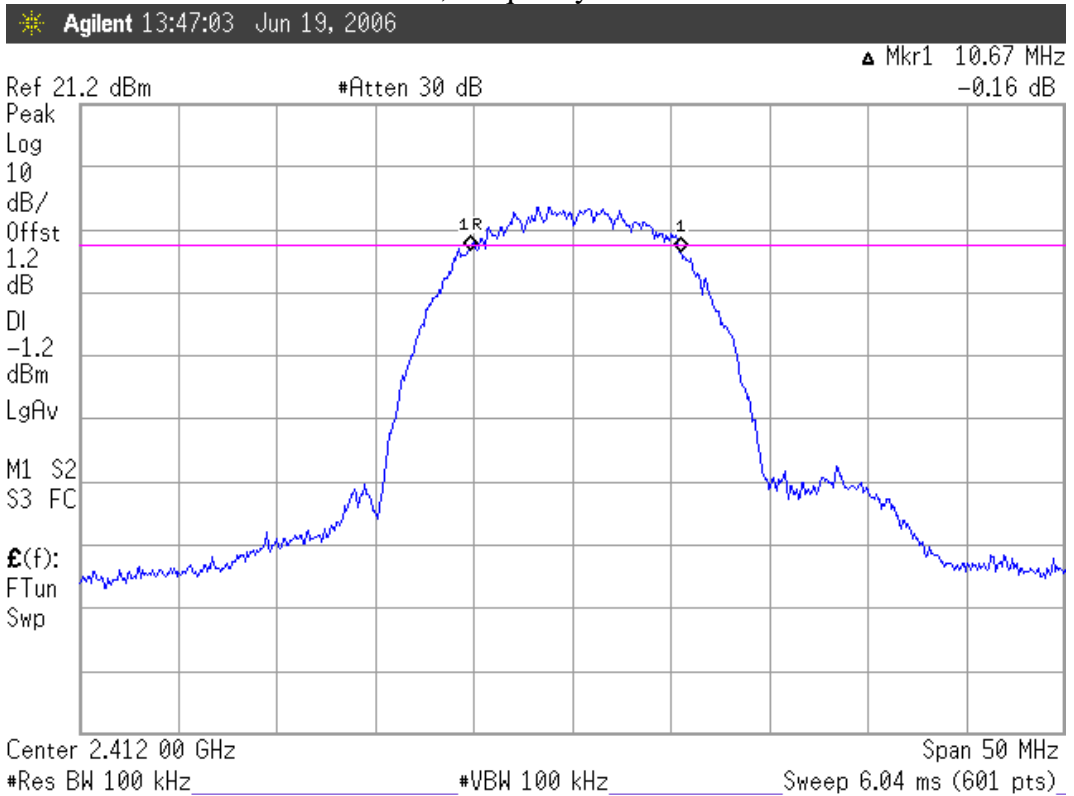
PASSED. All the test results are listed in next pages.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

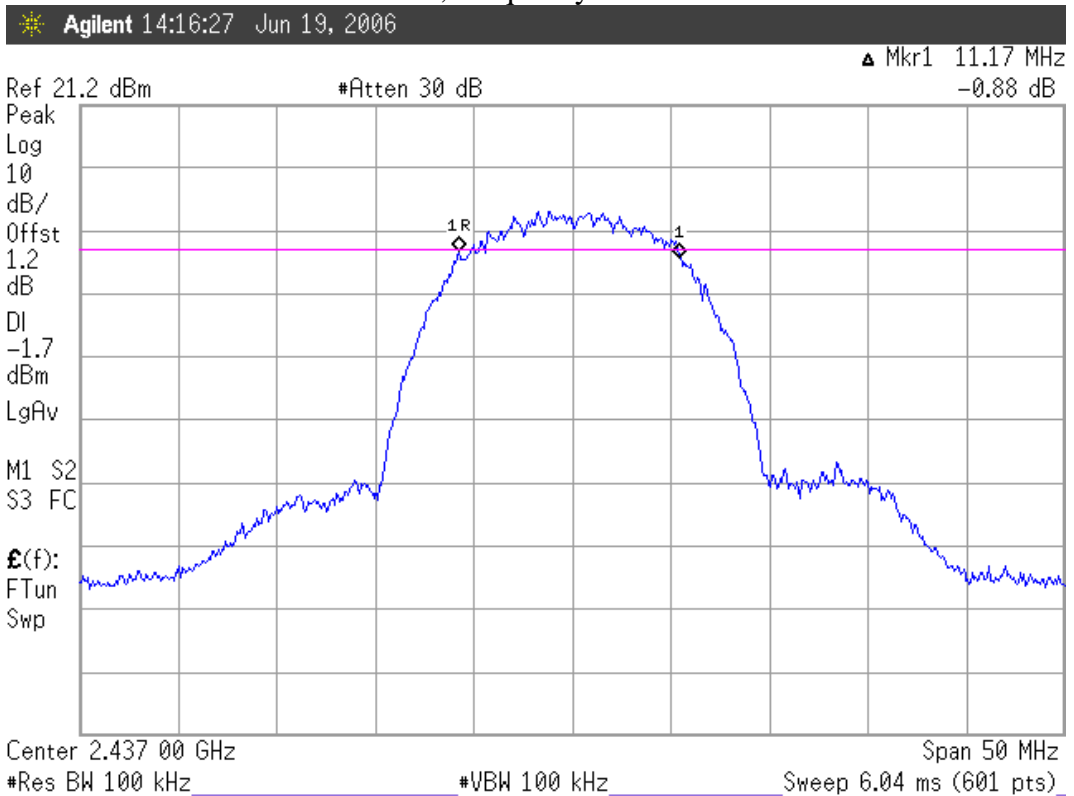
No.	Test Voltage	Test Mode	Channel	Frequency	6dB Bandwidth
1.	DC 3.7V (Via DC Power Supply)	WLAN (802.11b)	1	2412MHz	10.67MHz
2.			6	2437MHz	11.17MHz
3.			11	2462MHz	11.08MHz
4.		WLAN (802.11g)	1	2412MHz	16.67MHz
5.			6	2437MHz	16.67MHz
6.			11	2462MHz	16.60MHz

4.6.1. Test Mode: WLAN (802.11b)

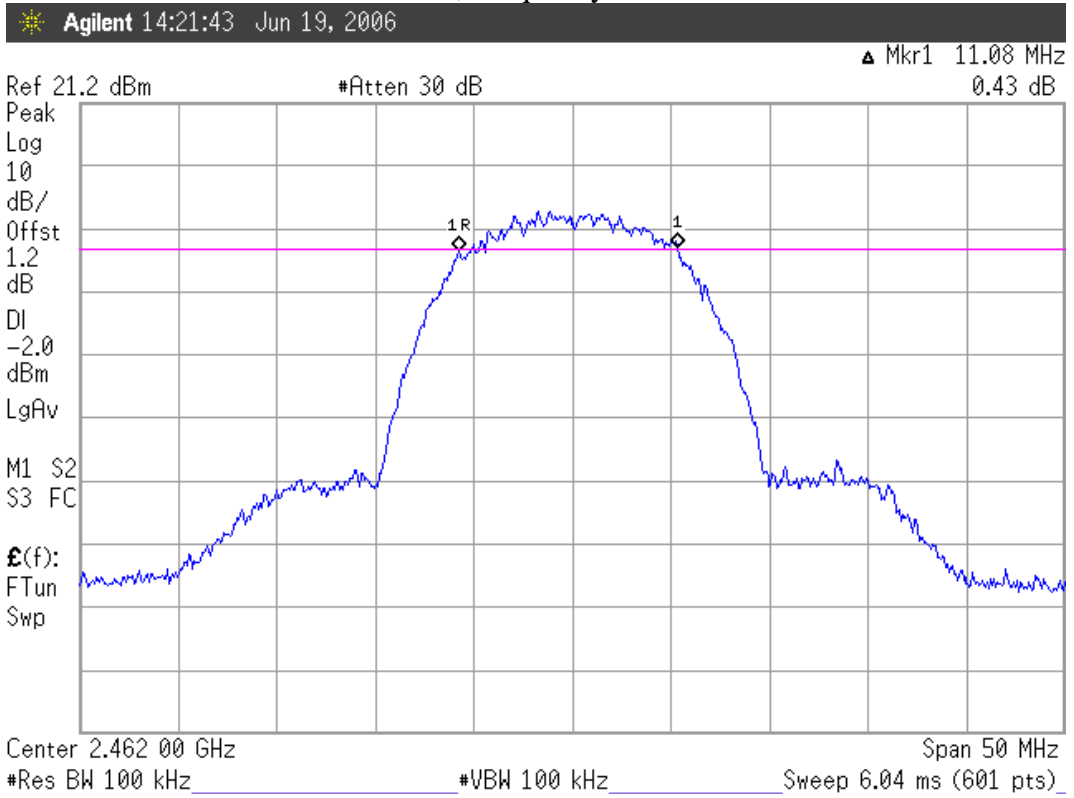
4.6.1.1. Channel 1, Frequency: 2412MHz



4.6.1.2. Channel 6, Frequency: 2437MHz

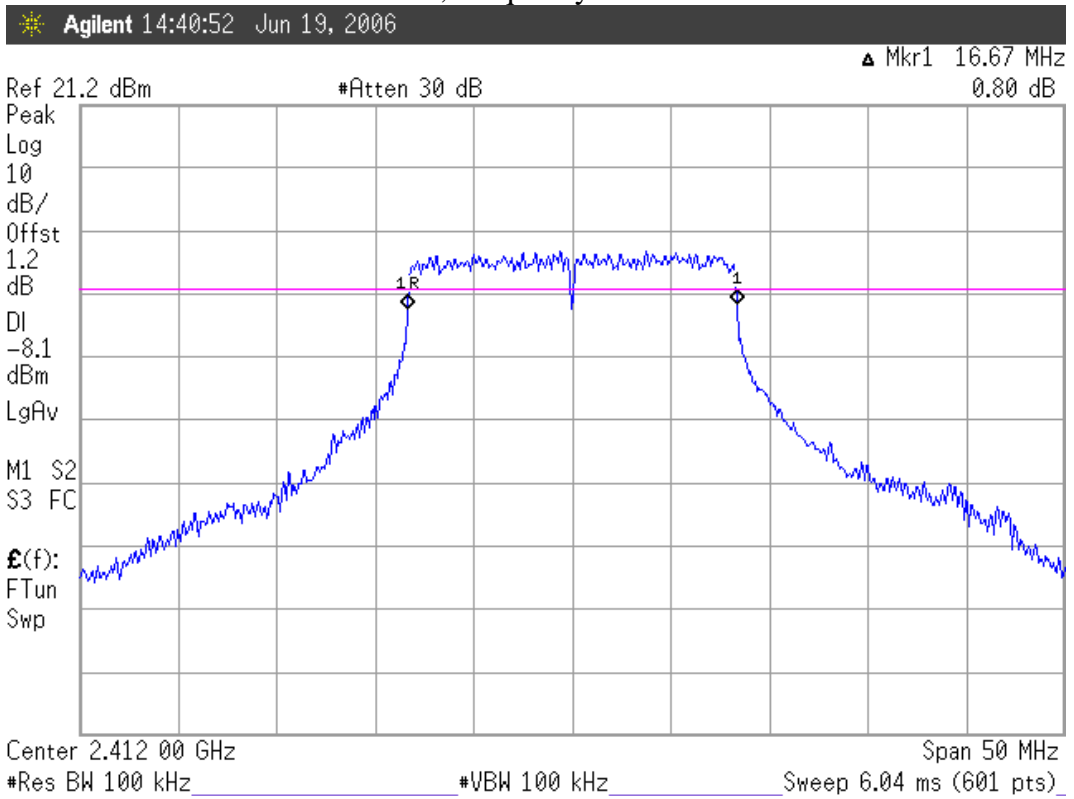


4.6.1.3. Channel 11, Frequency: 2462MHz

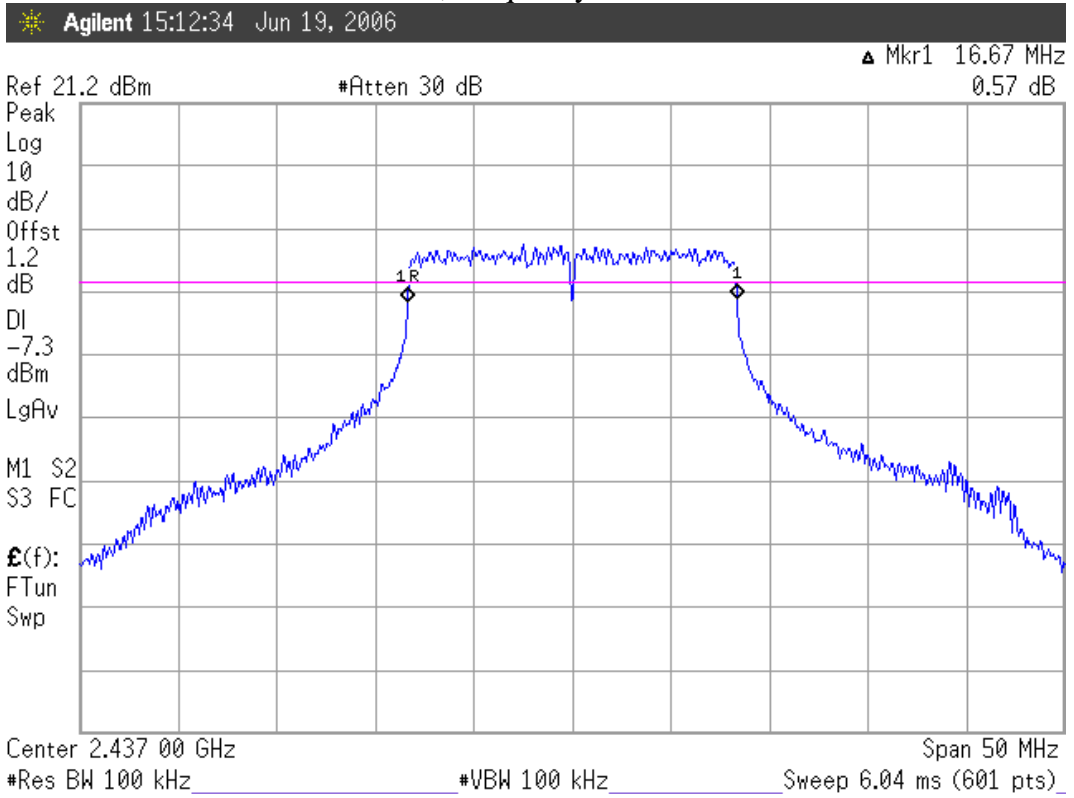


4.6.2. Test Mode: WLAN (802.11g)

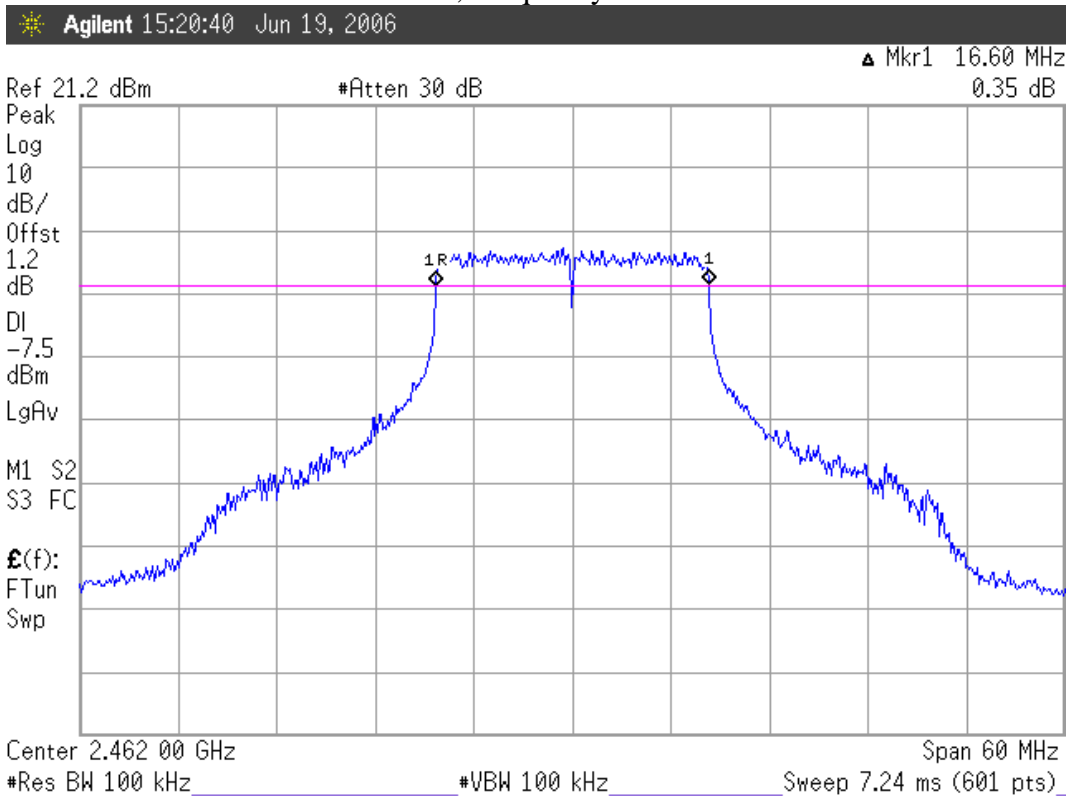
4.6.2.1. Channel 1, Frequency: 2412MHz



4.6.2.2. Channel 6, Frequency: 2437MHz



4.6.2.3. Channel 11, Frequency: 2462MHz



5. MAXIMUM PEAK OUTPUT POWER MEASUREMENT (WLAN)

5.1. Test Equipment

The following test equipment was used during the maximum peak output power measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
3.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

5.2. Block Diagram of Test Setup

The same as section.4.2.

5.3. Specification Limits (§15.247(b)-(3))

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz is 1Watt. (30dBm)

5.4. Operating Condition of EUT

Same as 6dB bandwidth measurement which was listed in 4.4. except the test set up replaced by section 5.2.

5.5. Test Procedure

The RF output of EUT was connected to the power meter and sensor with 20MHz bandwidth that was designed to detect peak value automatically.

5.6. Test Results

PASSED. All the test results are listed below.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

No.	Test Voltage	Test Mode	Channel	Frequency	Peak Output Power	Limit
1.	DC 3.7V (Via DC Power Supply)	WLAN (802.11b)	1	2412MHz	16.91dBm	30dBm
2.			6	2437MHz	17.23dBm	30dBm
3.			11	2462MHz	16.20dBm	30dBm
4.		WLAN (802.11g)	1	2412MHz	18.81MHz	30dBm
5.			6	2437MHz	18.82MHz	30dBm
6.			11	2462MHz	17.65MHz	30dBm

6. EMISSION LIMITATIONS MEASUREMENT (WLAN)

6.1. Test Equipment

The following test equipment was used during the emission limitations test :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
3.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

6.2. Block Diagram of Test Setup

The same as section.4.2.

6.3. Specification Limits (§15.247(c))

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (See Section 15.205(c)).(This test result attaching to §3.6.3)

6.4. Operating Condition of EUT

Same as 6dB bandwidth measurement which was listed in 4.4. except the test set up replaced by section 6.2.

6.5. Test Procedure

The RF output of EUT was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW.

6.6. Test Results

PASSED. All the test results are listed in next pages.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

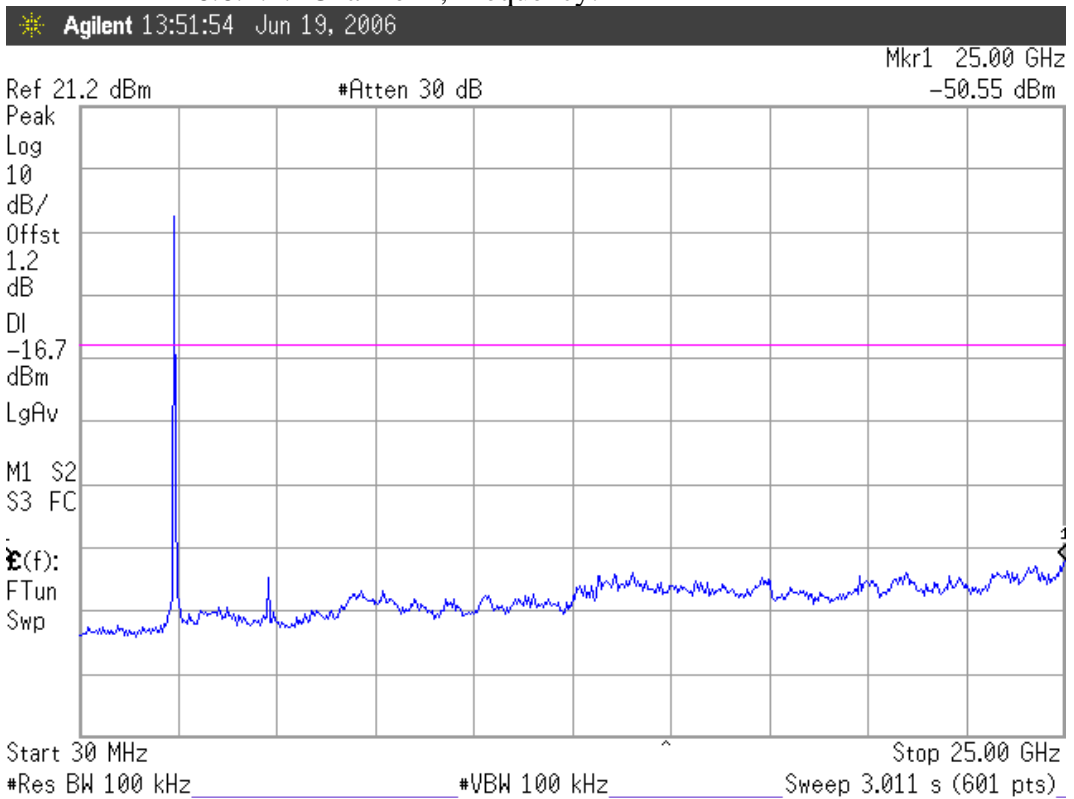
[Test Voltage is DC 3.7V (via DC Power Supply)]

6.6.1. Test Mode: WLAN (802.11b)

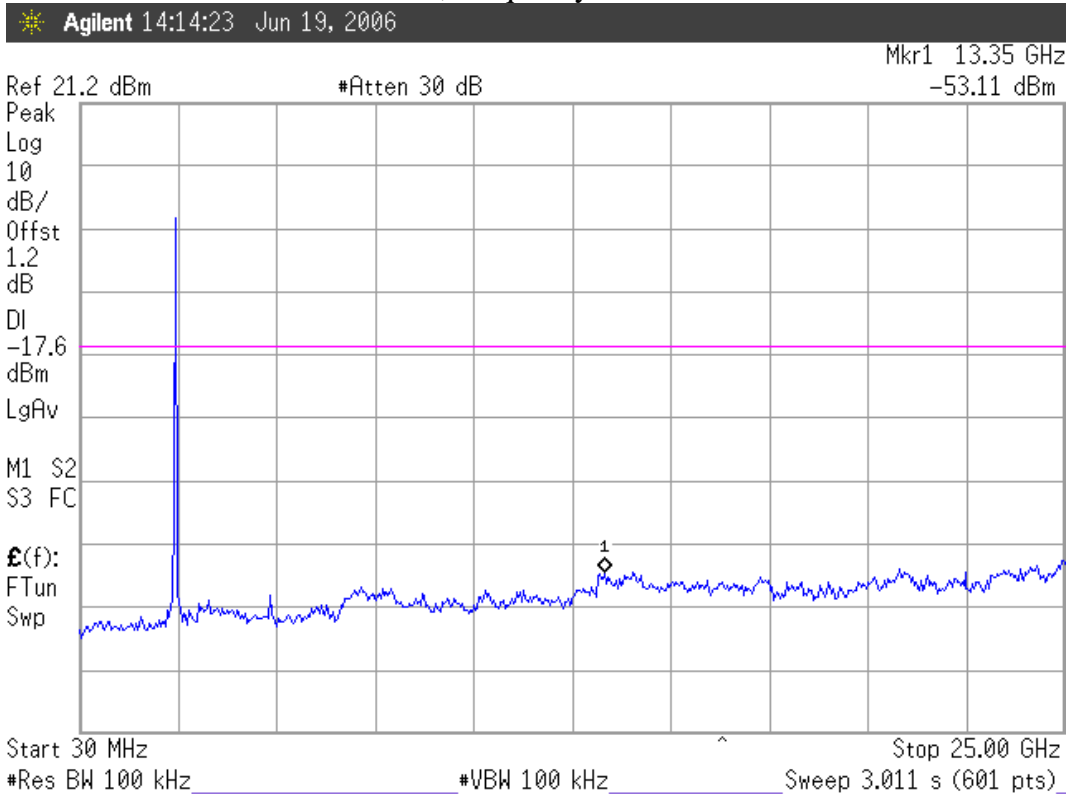
1. 2412MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -50.55dBm is max value that is lower than 20dB of primary channel.
2. 2437MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -53.11dBm is max value that is lower than 20dB of primary channel.
3. 2462MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -49.59dBm is max value that is lower than 20dB of primary channel.

Note: The peak above the limit line is the carrier frequency.

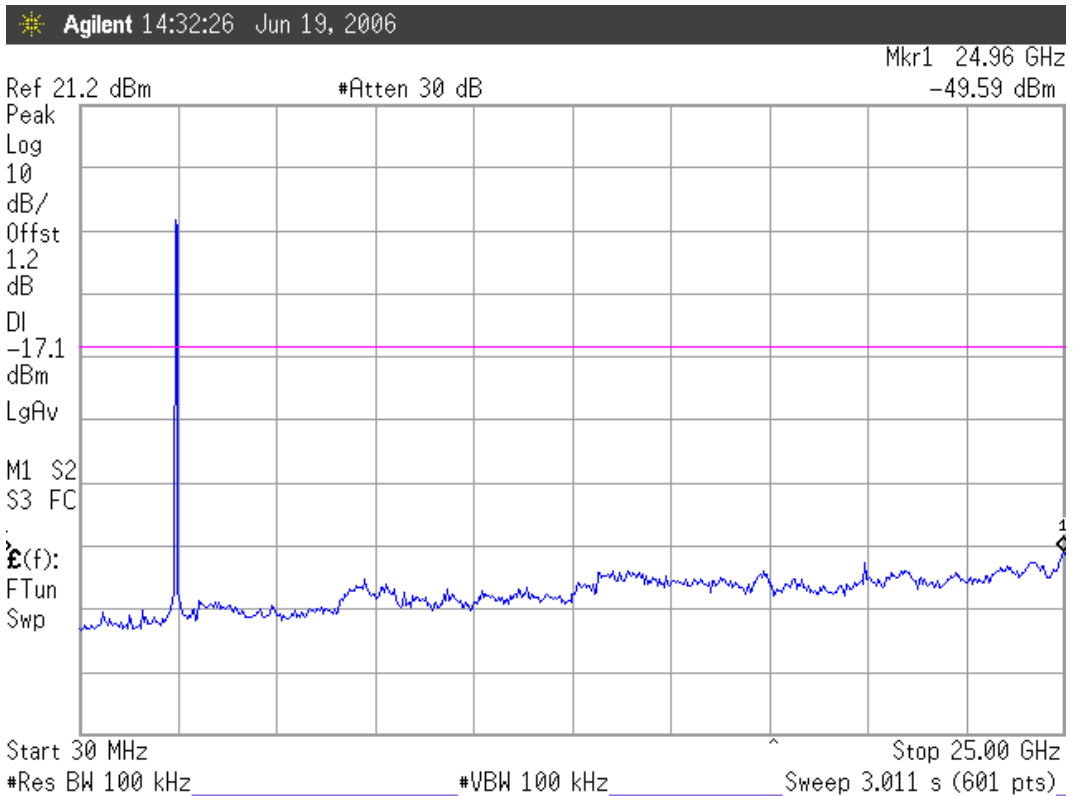
6.6.1.1. Channel 1, Frequency: 2412MHz



6.6.1.2. Channel 6, Frequency: 2437MHz



6.6.1.3. Channel 11, Frequency: 2462MHz

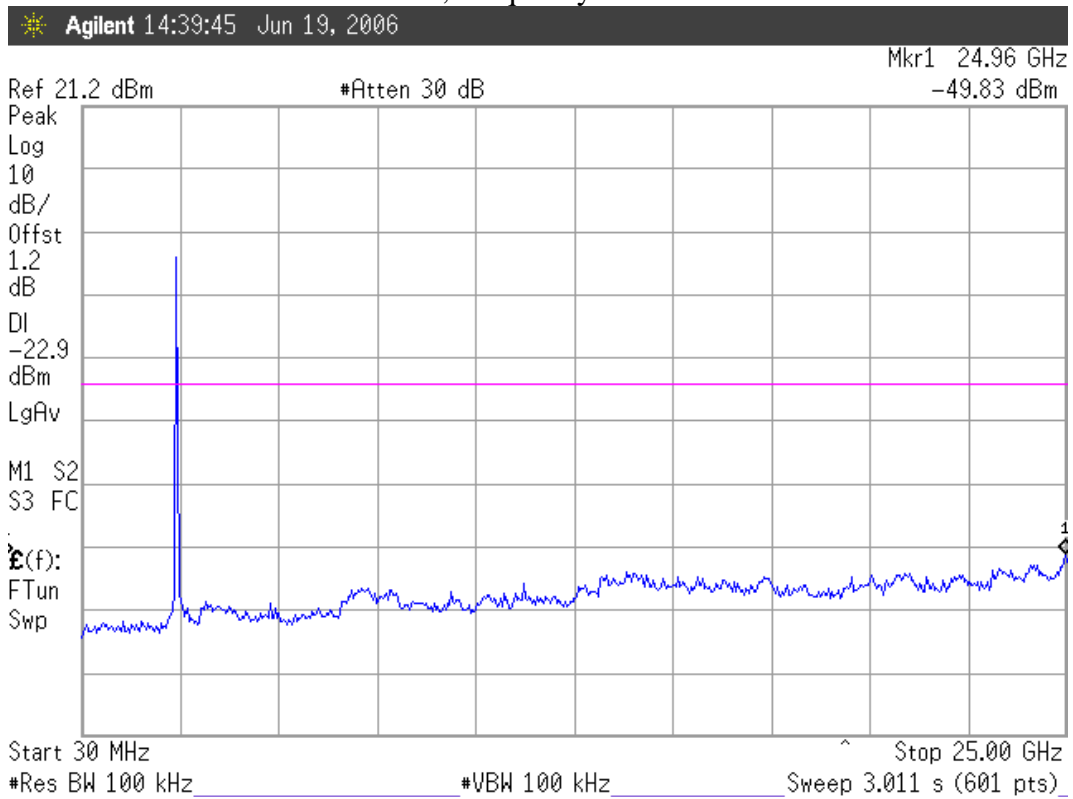


6.6.2. Test Mode: WLAN (802.11g)

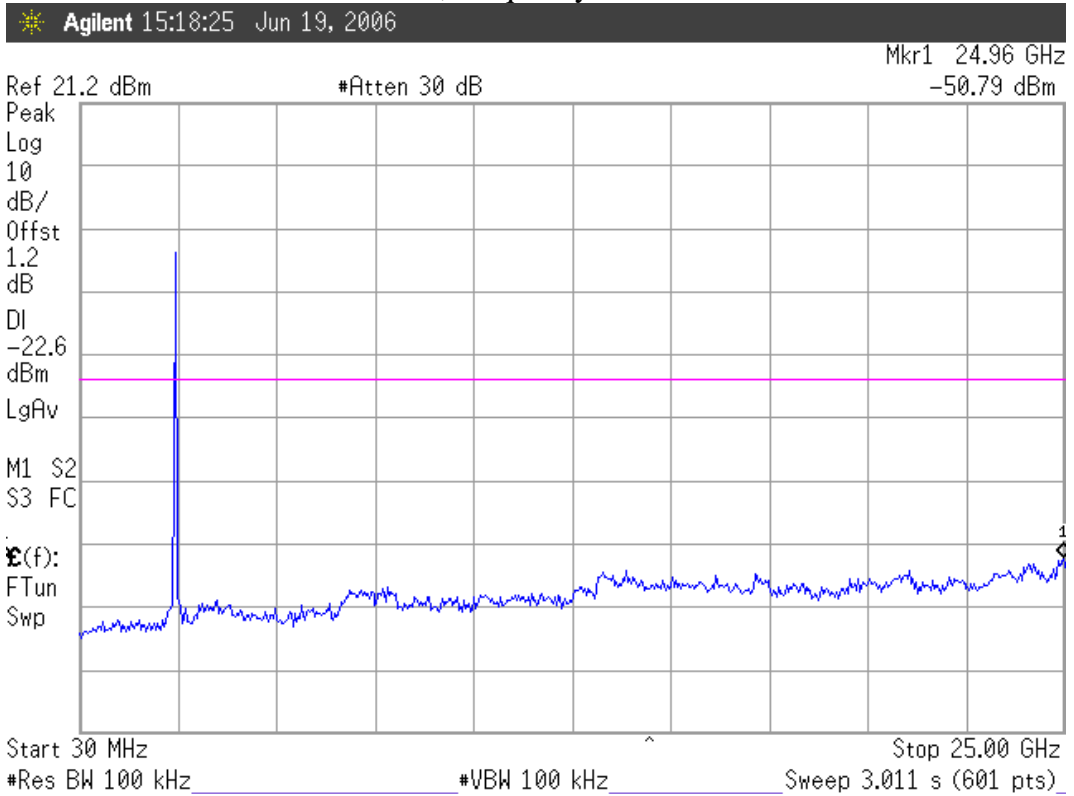
1. 2412MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -49.83dBm is max value that is lower than 20dB of primary channel.
2. 2437MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -50.79dBm is max value that is lower than 20dB of primary channel.
3. 2462MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -51.29dBm is max value that is lower than 20dB of primary channel.

Note: The peak above the limit line is the carrier frequency.

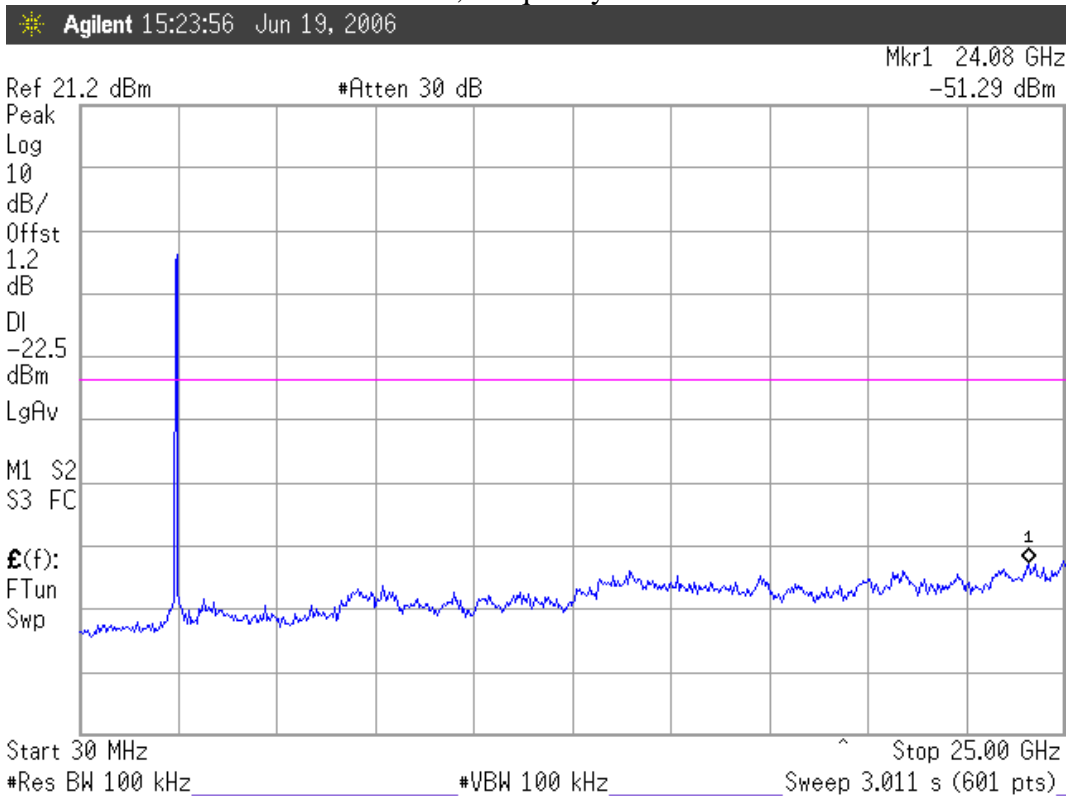
6.6.2.1. Channel 1, Frequency: 2412MHz



6.6.2.2. Channel 6, Frequency: 2437MHz



6.6.2.3. Channel 11, Frequency: 2462MHz



7. BAND EDGES MEASUREMENT (WLAN)

7.1. Test Equipment

The following test equipment was used during the band edges measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
3.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

7.2. Block Diagram of Test Setup

The same as section.4.2.

7.3. Specification Limits (§15.247(c))

The highest level should be at least 20 dB below that in the 100kHz bandwidth.

7.4. Operating Condition of EUT

Same as 6dB bandwidth measurement which was listed in 4.4. except the test set up replaced by section 7.2.

7.5. Test Procedure

The RF output of EUT was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100kHz bandwidth from band edge.

7.6. Test Results

PASSED. All the test results are listed in next page.

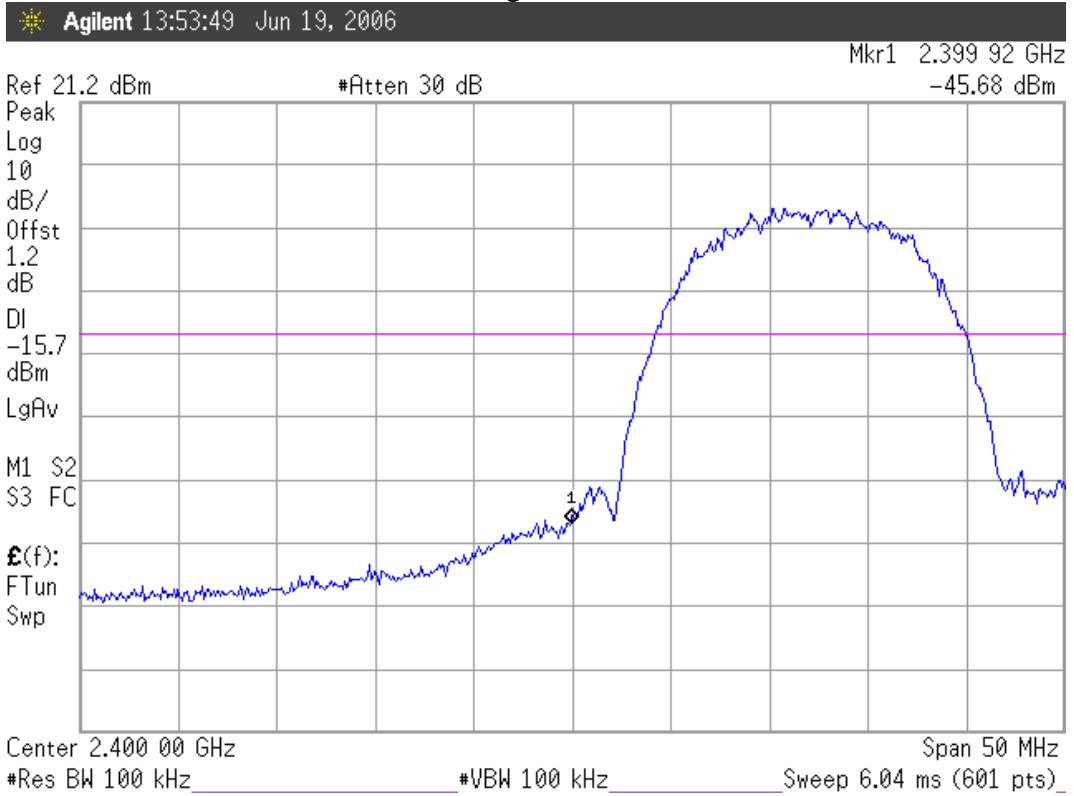
Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

[Test Voltage is DC 3.7V (via Switching Power Supply)]

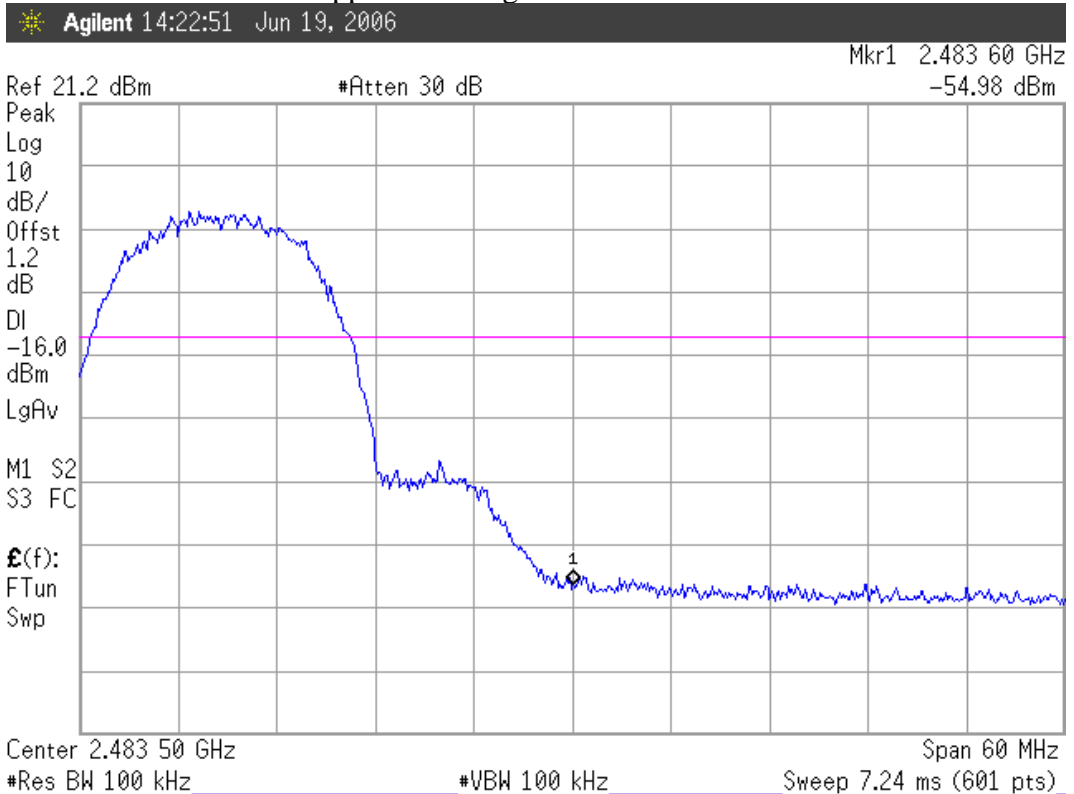
7.6.1. Test Mode: WLAN (802.11b)

1. Upper Band edge: The highest emission level is -45.68dBm on 2.39992GHz.
2. Below Band edge : The highest emission level is -54.98dBm on 2.48360GHz.

7.6.1.1. Below Band edge



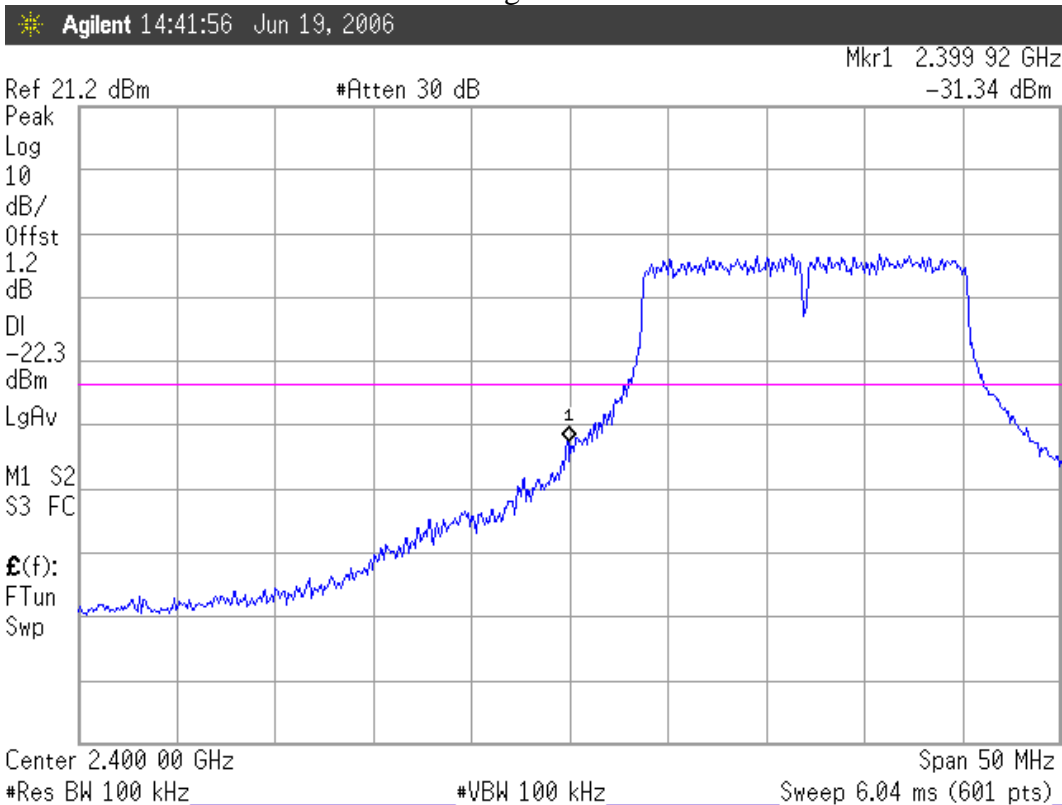
7.6.1.2. Upper Band edge



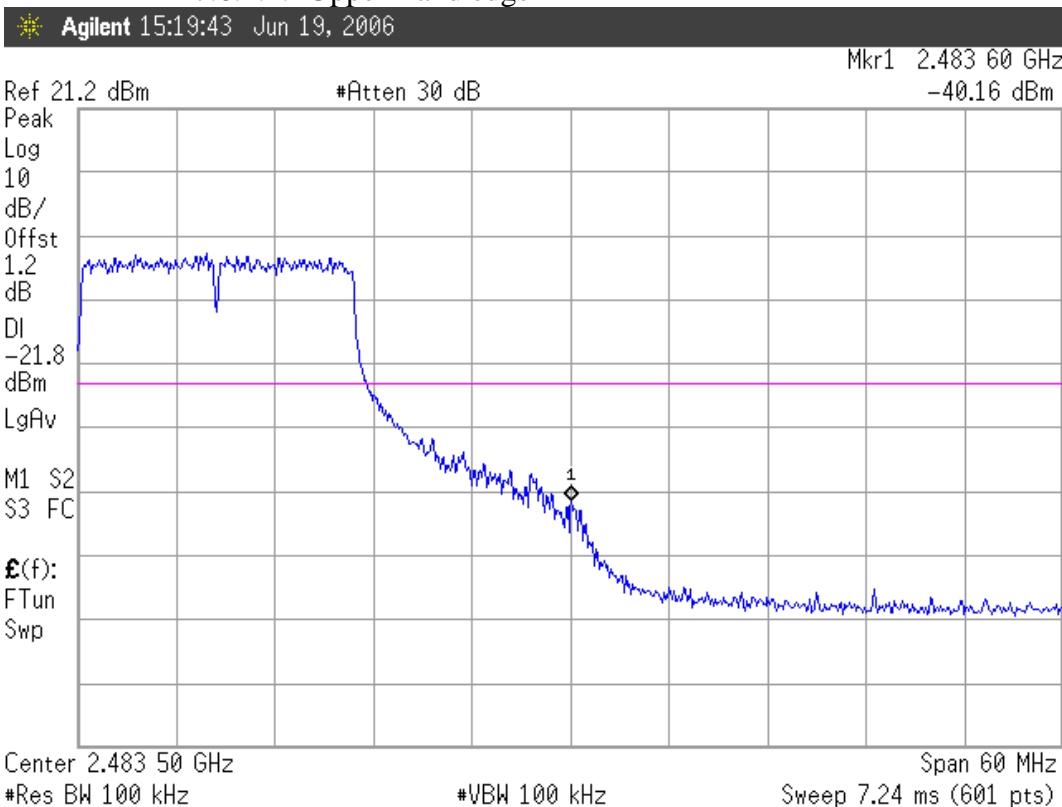
7.6.2. Test Mode: WLAN (802.11g)

1. Upper Band edge: The highest emission level is -31.34dBm on 2.39992GHz.
2. Below Band edge : The highest emission level is -40.16dBm on 2.48360GHz.

7.6.2.1. Below Band edge



7.6.2.2. Upper Band edge



8. POWER SPECTRAL DENSITY MEASUREMENT (WLAN)

8.1. Test Equipment

The following test equipment was used during the power spectral density measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
3.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

8.2. Block Diagram of Test Setup

The same as section.4.2.

8.3. Specification Limits (§15.247(d))

The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

8.4. Operating Condition of EUT

Same as 6dB bandwidth measurement which was listed in 4.4. except the test set up replaced by section 8.2.

8.5. Test Procedure

The RF output of EUT was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, span 300kHz set sweep time = span/3kHz.

8.6. Test Results

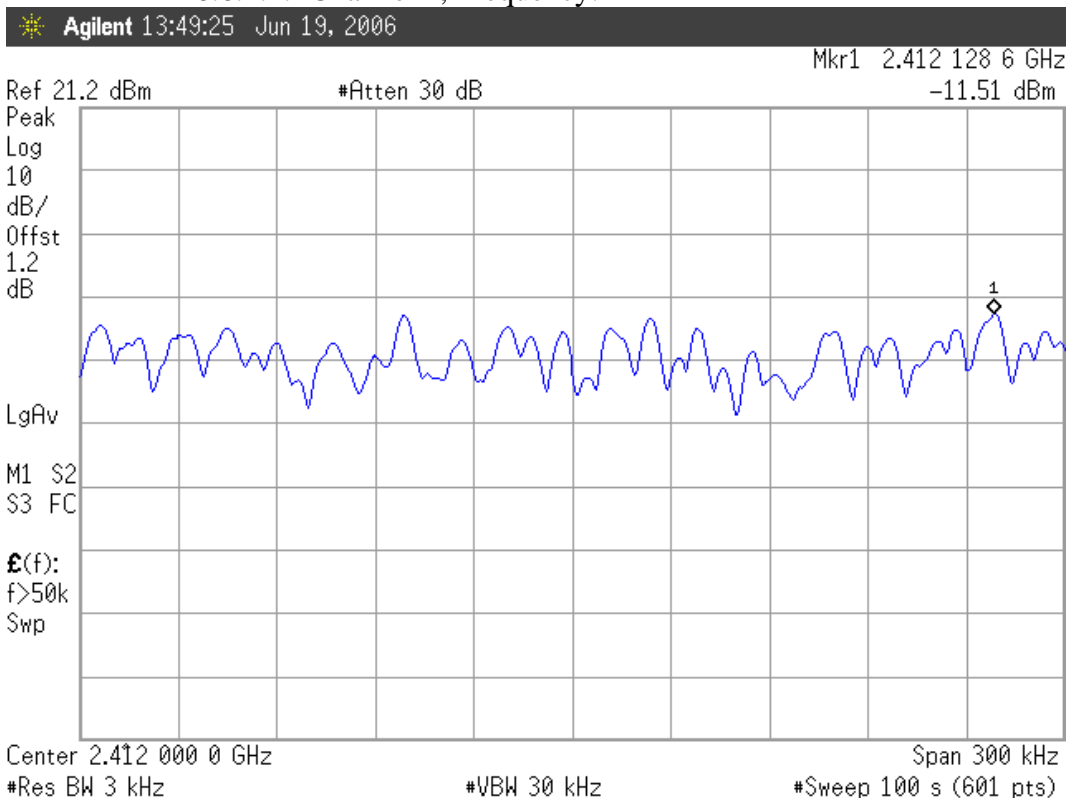
PASSED. All the test results are listed in next pages.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

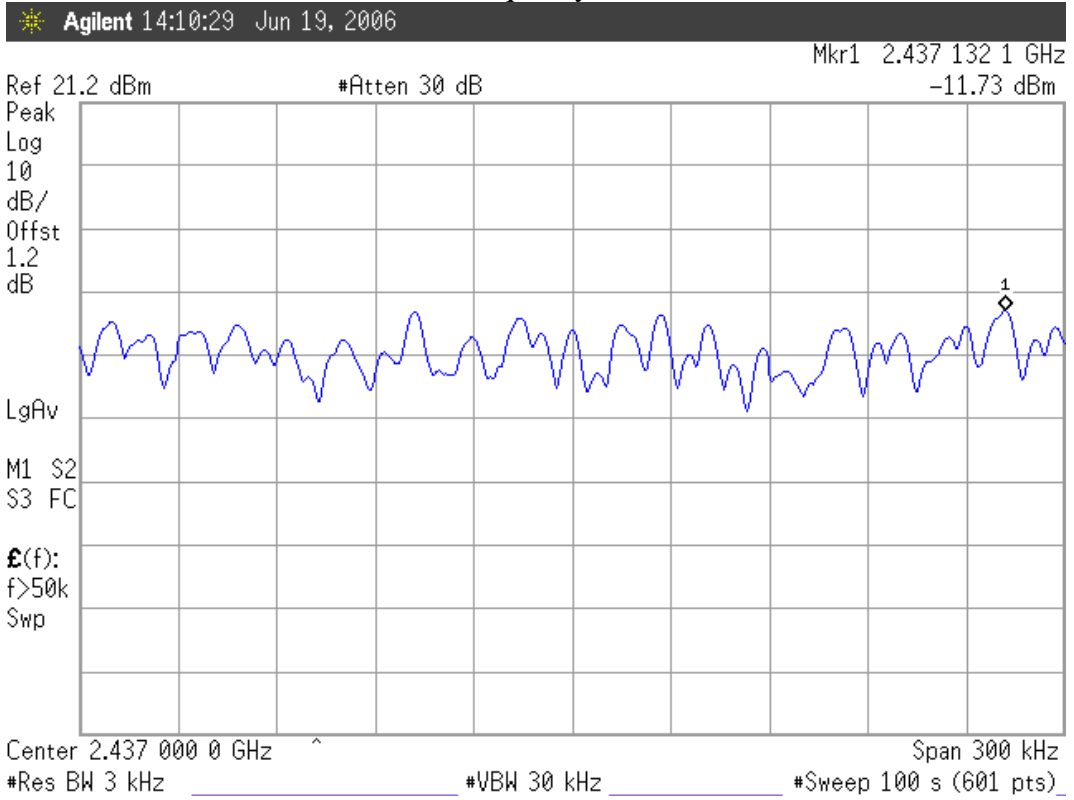
No.	Test Voltage	Test Mode	Channel	Frequency	Power Spectral Density	Limit
1.	DC 3.7V (Via DC Power Supply)	WLAN (802.11b)	1	2412MHz	-11.51dBm	8dBm
2.			6	2437MHz	-11.73dBm	8dBm
3.			11	2462MHz	-12.23dBm	8dBm
4.		WLAN (802.11g)	1	2412MHz	-24.03MHz	8dBm
5.			6	2437MHz	-23.04MHz	8dBm
6.			11	2462MHz	-23.83MHz	8dBm

8.6.1. Test Mode: WLAN (802.11b)

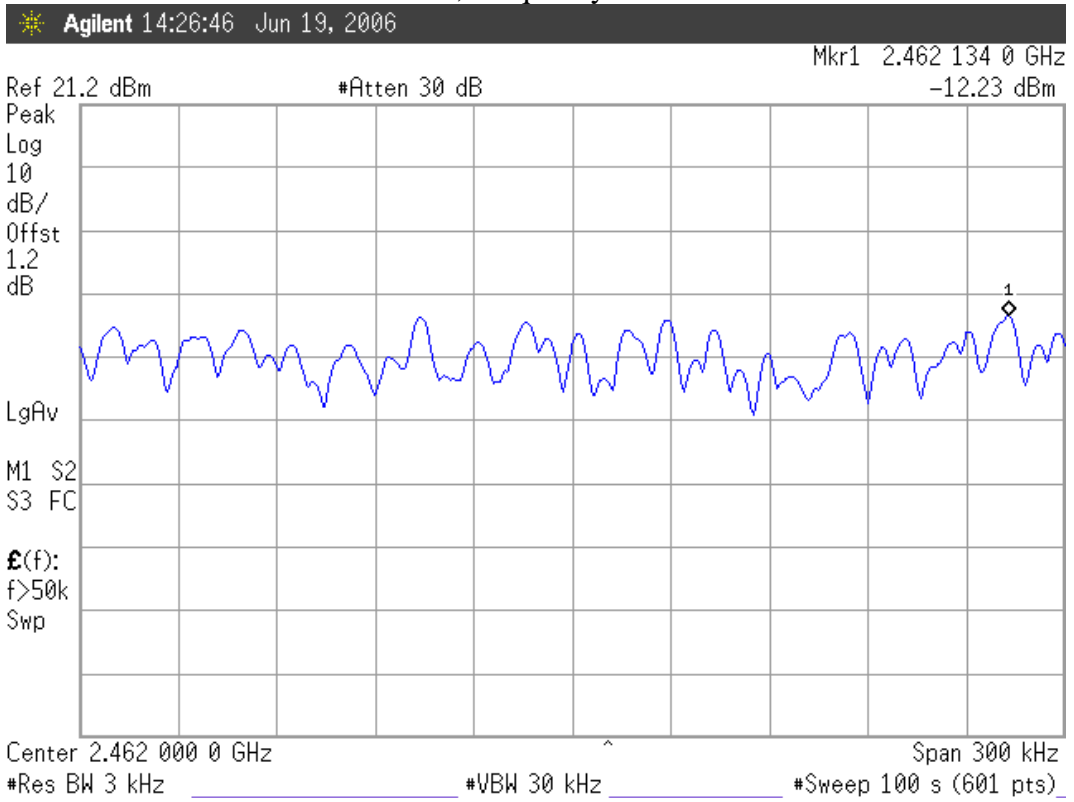
8.6.1.1. Channel 1, Frequency: 2412MHz



8.6.1.2. Channel 6, Frequency: 2437MHz

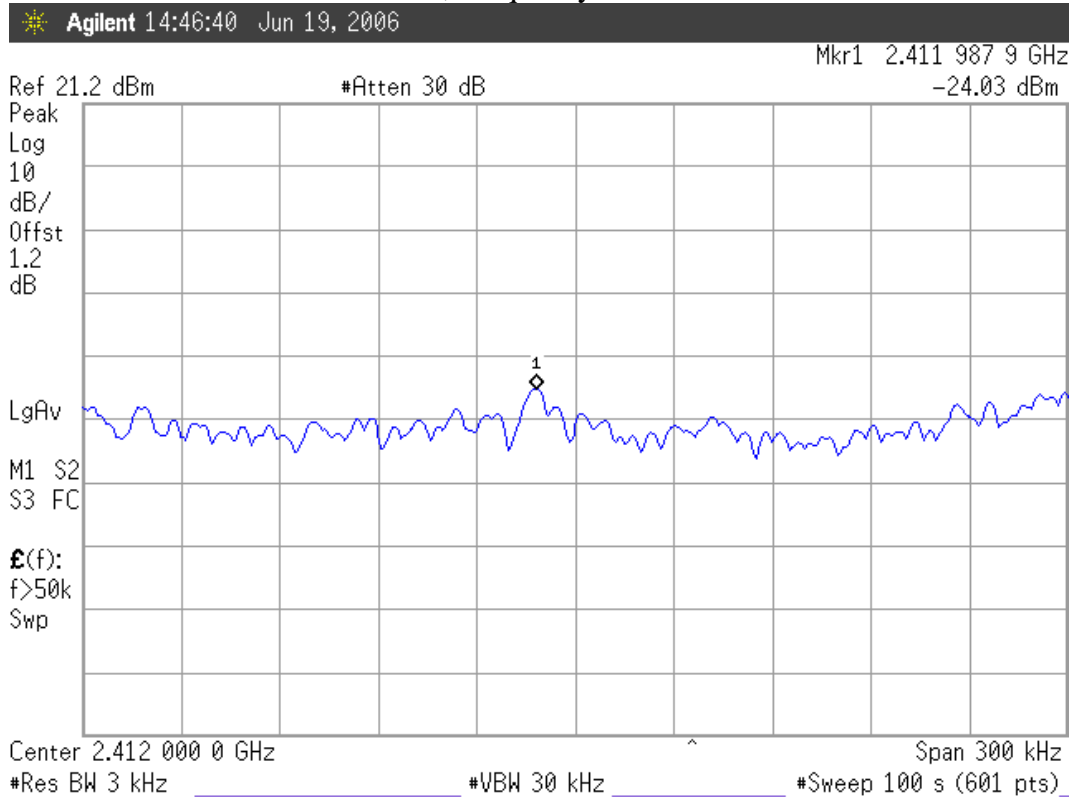


8.6.1.3. Channel 11, Frequency: 2462MHz

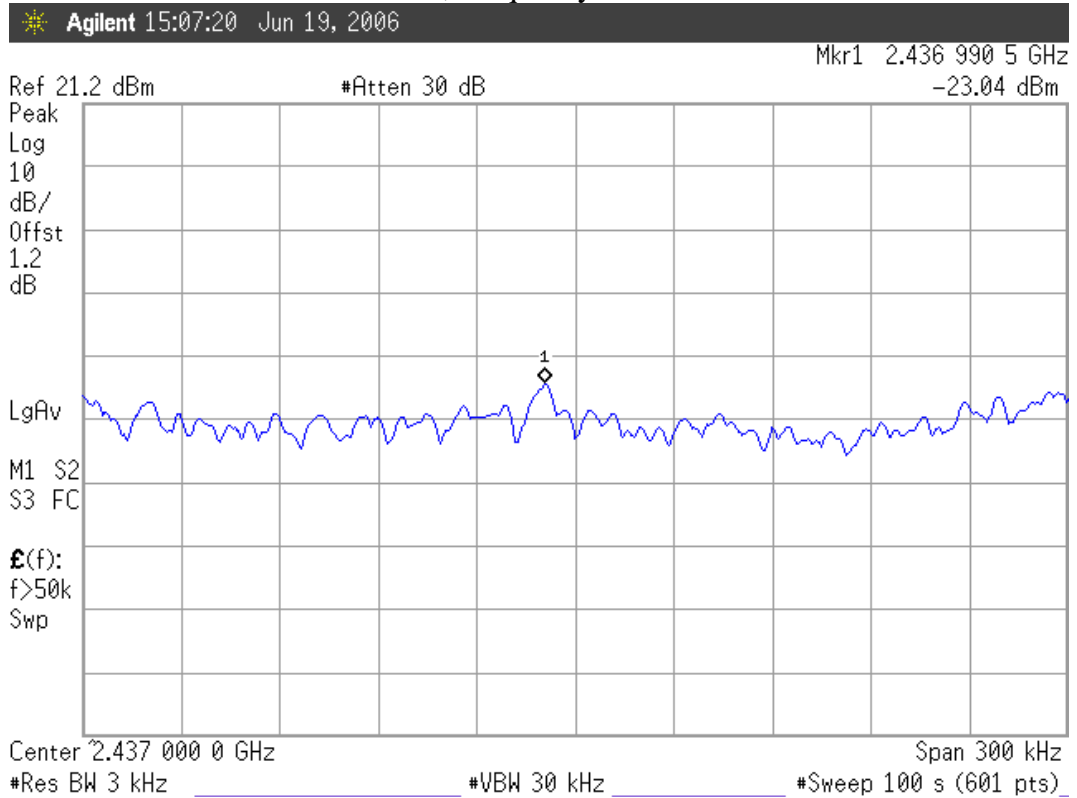


8.6.2. Test Mode: WLAN (802.11g)

8.6.2.1. Channel 1, Frequency: 2412MHz



8.6.2.2. Channel 6, Frequency: 2437MHz



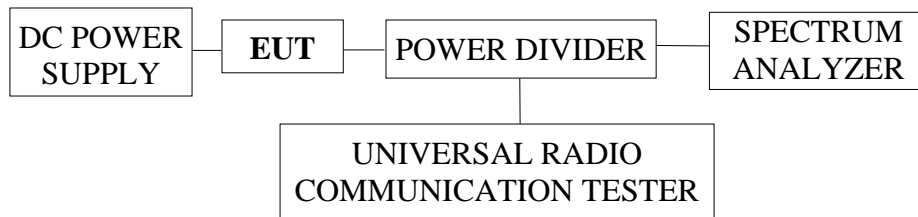
9. CARRIER FREQUENCY SEPARATION MEASUREMENT (BLUETOOTH)

9.1. Test Equipment

The following test equipment was used during the carrier frequency separation measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'
3.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
4.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

9.2. Block Diagram of Test Setup



EUT: Personal Digital Assistant or Pocket PC

9.3. Specification Limits (§15.247(a)(1))

Alternatively, frequency hopping systems operating in the 2400-2483.5MHz band may have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

9.4. Operating Condition of EUT

- 9.4.1. Setup the EUT and simulator as shown on 9.2.
- 9.4.2. Turn on the power of all equipment.
- 9.4.3. The EUT (Personal Digital Assistant or Pocket PC) was controlled on transmitted and received channel function by the universal radio communication tester during the test. (Test software is BCM2045USB Test App.exe to set the EUT into test mode)

9.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the center frequency (2441MHz) was measure by spectrum analyzer with 30kHz RBW and 100kHz VBW. The video bandwidth not to be smaller than resolution bandwidth, the peak was mark on adjacent bandwidth, the between of peak is carrier frequency separation.

9.6. Test Results

PASSED. All the test results are listed in next pages.

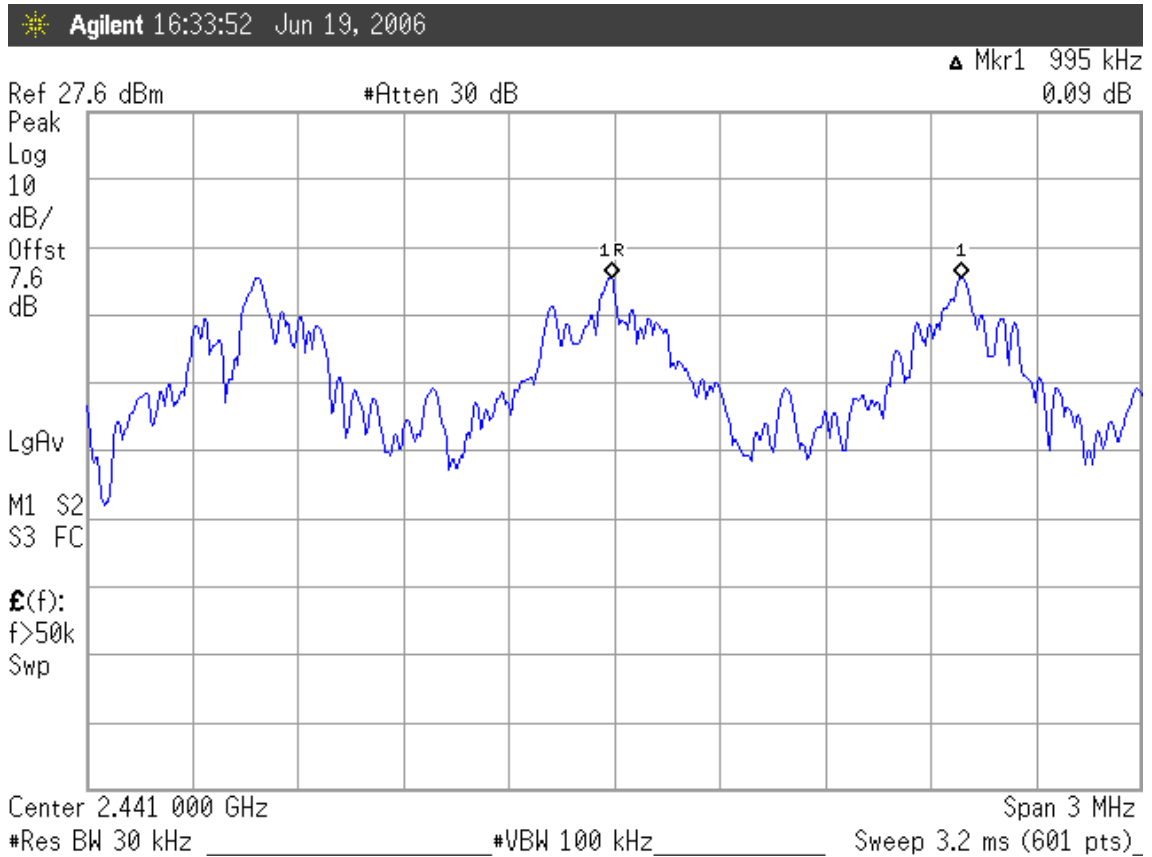
Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

[Test Voltage is DC 3.7V (via DC Power Supply)]

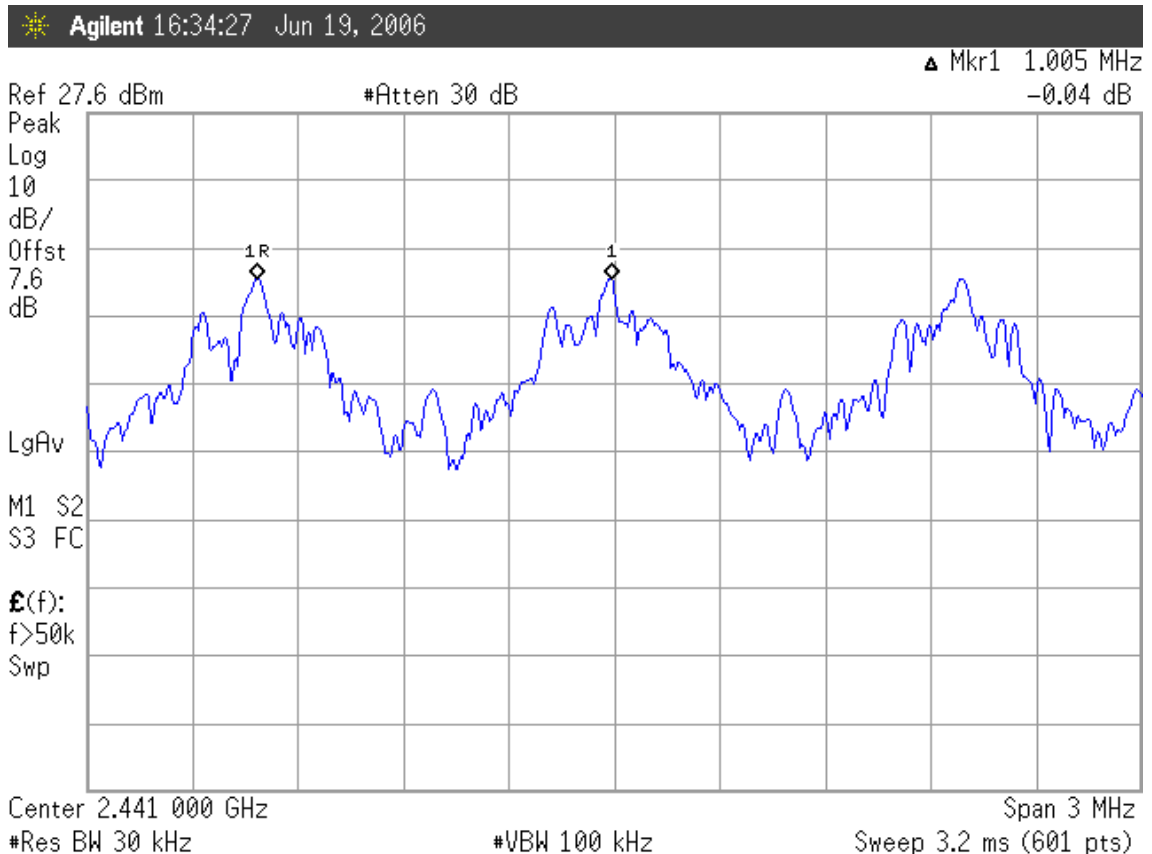
1. 2441MHz adjacent channel of right carrier frequency separation: 995kHz.
2. 2441MHz adjacent channel of left carrier frequency separation: 1.005MHz.

[Above values have met the requirement as specified in section 10.3: frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.]

9.6.1. Right Carrier Frequency Separation, 2441MHz



9.6.2. Left Carrier Frequency Separation, 2441MHz



10.20dB BANDWIDTH MEASUREMENT (BLUETOOTH)

10.1.Test Equipment

The following test equipment was used during the 20dB bandwidth measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24, 06'
2.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'
3.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
4.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

10.2.Block Diagram of Test Setup

The same as section.10.2.

10.3.Specification Limits (§15.247(a)(1))

Alternatively, frequency hopping systems operating in the 2400-2483.5MHz band may have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

10.4.Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in 10.4 except the test set up replaced by section 10.2.

10.5.Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

10.6. Test Results

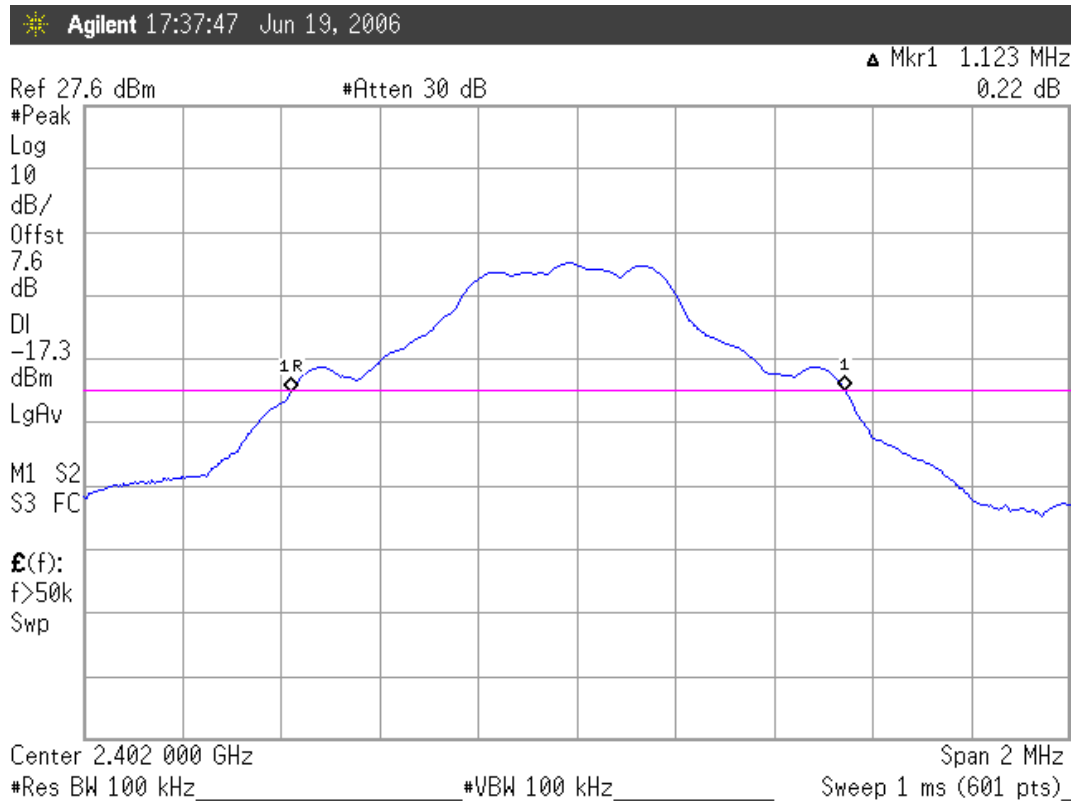
PASSED. All the test results are listed in next pages.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

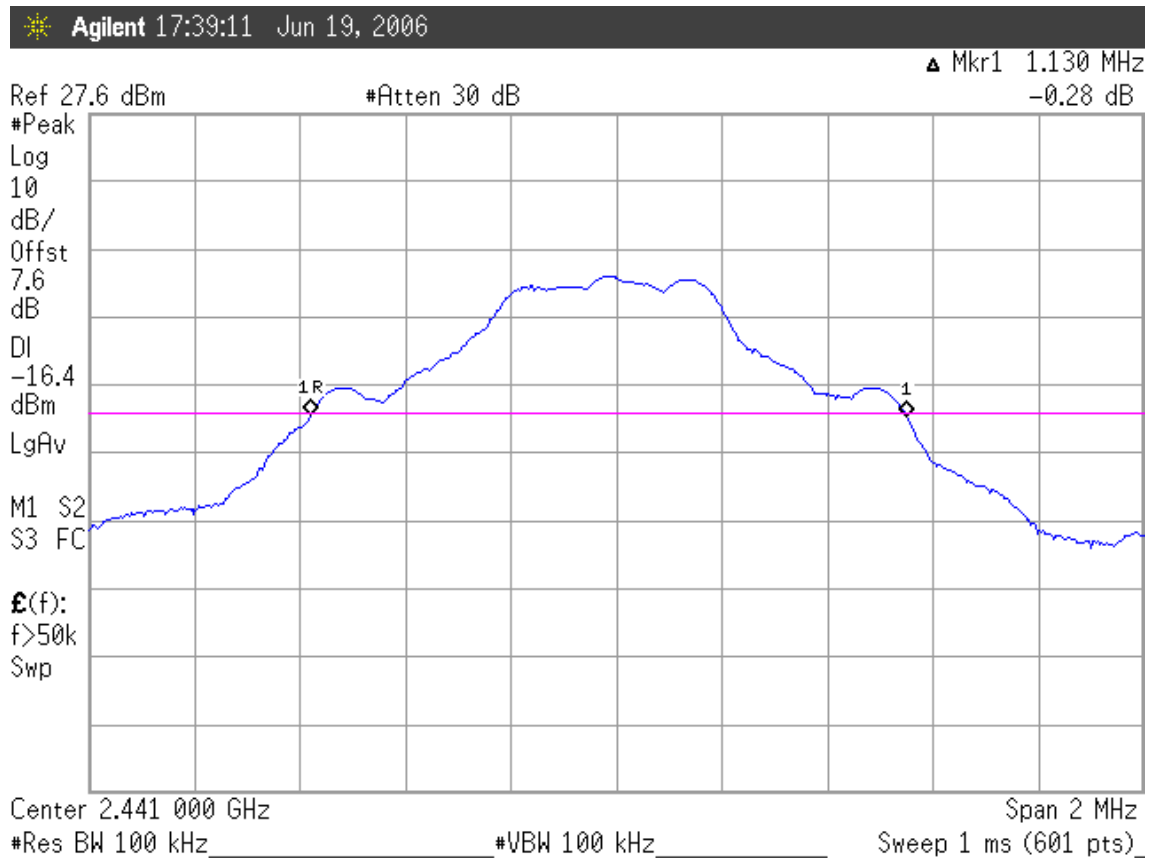
No.	Test Voltage	Channel	Frequency	20dB Bandwidth	2/3 (20dB Bandwidth)
1.	DC 3.7V (Via DC Power Supply)	0	2402MHz	1.123MHz	0.749MHz
2.		39	2441MHz	1.130MHz	0.753MHz
3.		78	2480MHz	1.244MHz	0.829MHz

The maximum two-thirds of the 20dB bandwidth shall be at maximum 0.829MHz.

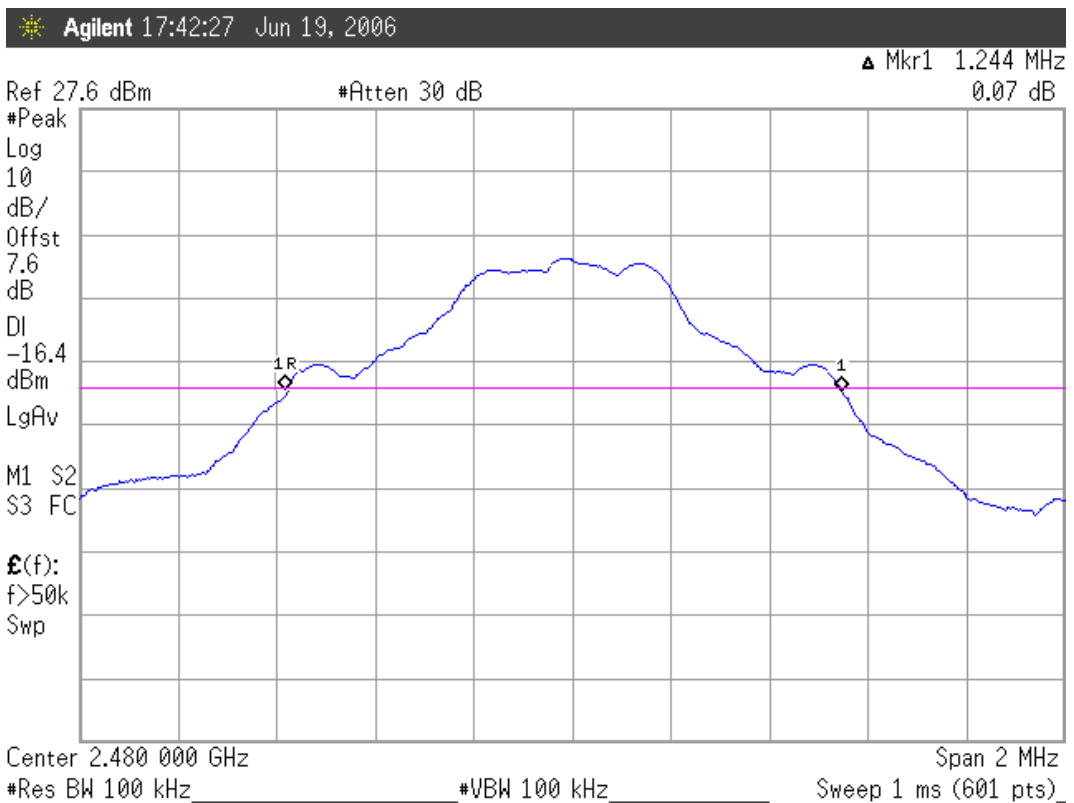
10.6.1. Channel 0, Frequency: 2402MHz



10.6.2. Channel 39, Frequency: 2441MHz



10.6.3. Channel 78, Frequency: 2480MHz



11. TIME OF OCCUPANCY MEASUREMENT (BLUETOOTH)

11.1. Test Equipment

The following test equipment was used during the time of occupancy measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24, 06'
2.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'
3.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
4.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

11.2. Block Diagram of Test Setup

The same as section.10.2.

11.3. Specification Limits (§15.247(a)(1)(iii))

Frequency hopping systems in the 2400-2483.5MHz shall use at least 15 non-overlapping channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by number of hopping channels employed.

11.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in 10.4 except the test set up replaced by section 11.2.

11.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 1MHz RBW and 1MHz VBW. $VBW \geq RBW$; Span=zero span.

Centered on a hopping channel sweep=as necessary to capture the entire dwell time per hopping channel ; Detector function=peak ; Trace=Max hold

11.6. Test Results

PASSED. All the test results are listed in next pages.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

[Test Voltage is DC 3.7V (via DC Power Supply)]

Duty cycle: 79 channels*0.4 seconds = 31.6 seconds

DH1 : A The system makes worst case 1600 hops per second or 1 time slot has a length of 625us with 79 channels. A DH1 packet need 1 time slot for transmitting and 1 time slot for receiving. Then the system makes worst case 800 hops per second with 79 channels. So you have each channel 10.13 time per second and so for 31.6 seconds you have 320 time of appearance.

Each Tx-time per appearance is 383.3us.

$10.13 \text{ time} * 31.6 \text{ seconds} * 0.3833\text{ms} = 122.6974\text{ms} (<400\text{ms})$

B. For each 5 seconds of 52 channels appearance, the longest time of occupancy for each of 31.6 seconds is:

$52 \text{ channels} * 31.6 \text{ seconds} / 5 * 0.3833\text{ms} = 125.9677\text{ms} (<400\text{ms})$

DH3 : A The system makes worst case 1600 hops per second or 1 time slot has a length of 625us with 79 channels. A DH3 packet need 3 time slot for transmitting and 1 time slot for receiving. Then the system makes worst case 400 hops per second with 79 channels. So you have each channel 5.1 time per second and so for 31.6 seconds you have 161 time of appearance.

Each Tx-time per appearance is 1633us.

$5.1 \text{ time} * 31.6 \text{ seconds} * 1.625\text{ms} = 261.885\text{ms} (<400\text{ms})$

B. For each 5 seconds of 26 channels appearance, the longest time of occupancy for each of 31.6 seconds is:

$26 \text{ channels} * 31.6 \text{ seconds} / 5 * 1.625\text{ms} = 267.02\text{ms} (<400\text{ms})$

DH5 : A The system makes worst case 1600 hops per second or 1 time slot has a length of 625us with 79 channels. A DH5 packet need 1 time slot for transmitting and 1 time slot for receiving. Then the system makes worst case 266.7 hops per second with 79 channels. So you have each channel 3.37 time per second and so for 31.6 seconds you have 106 time of appearance.

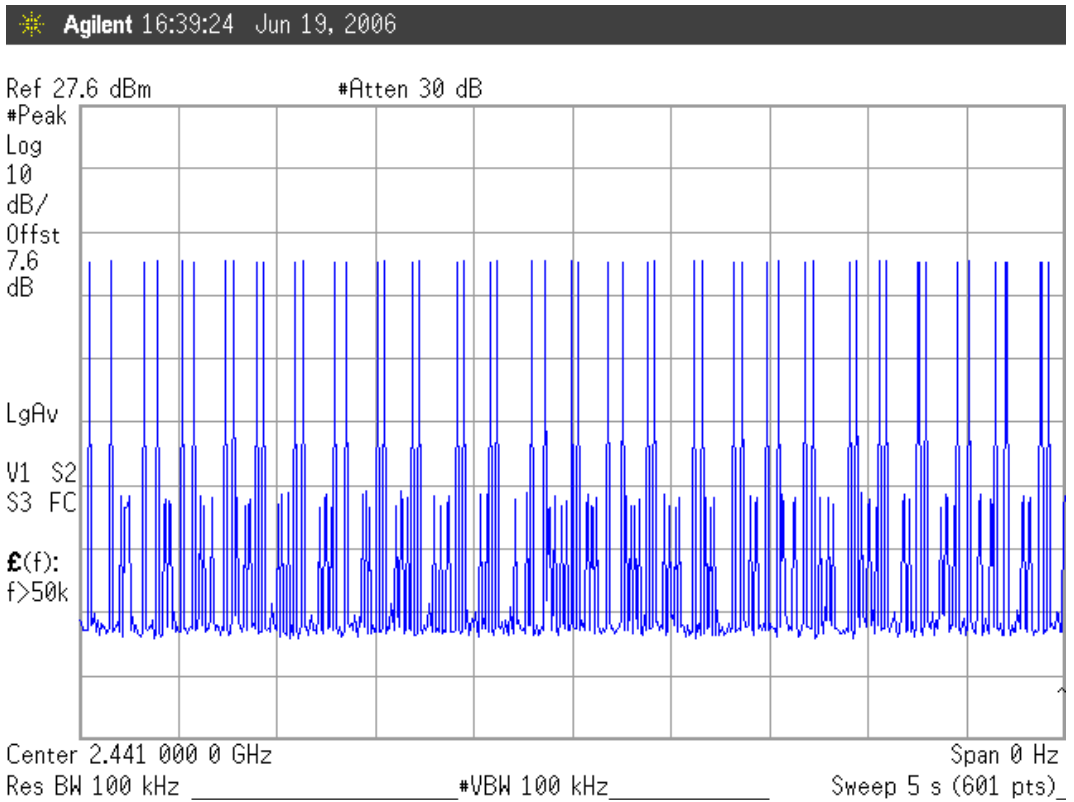
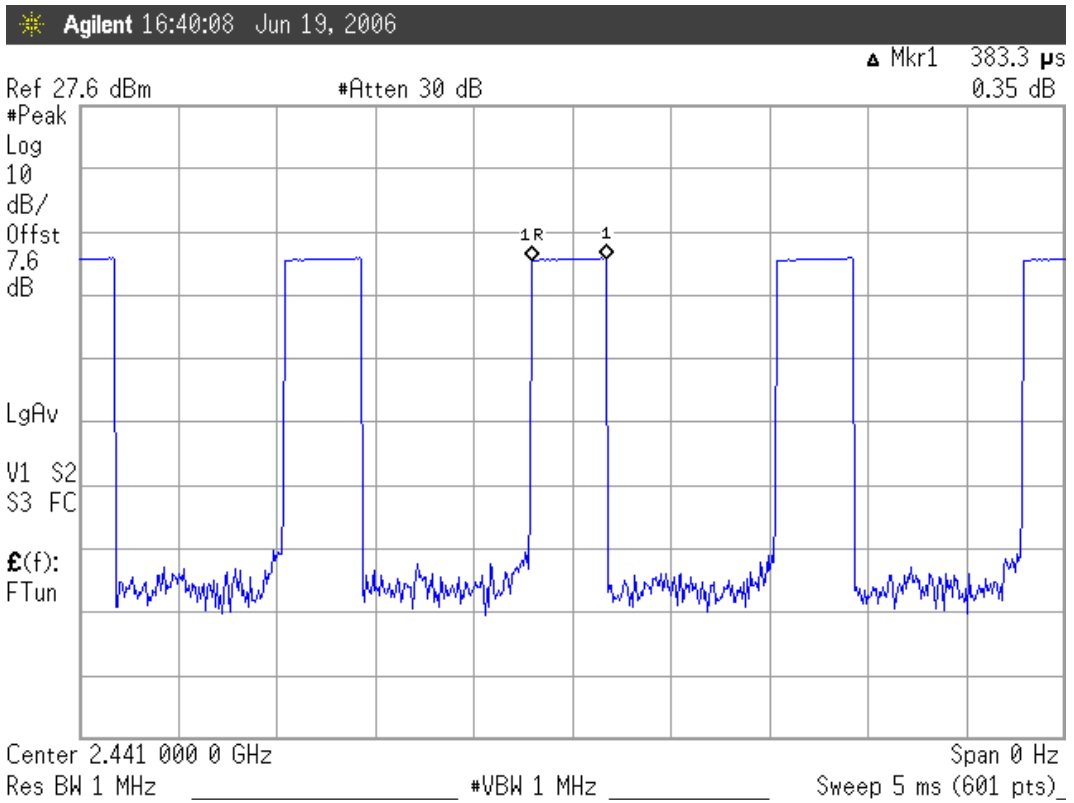
Each Tx-time per appearance is 2883us.

$3.37 \text{ time} * 31.6 \text{ seconds} * 2.883\text{ms} = 307.0164\text{ms} (<400\text{ms})$

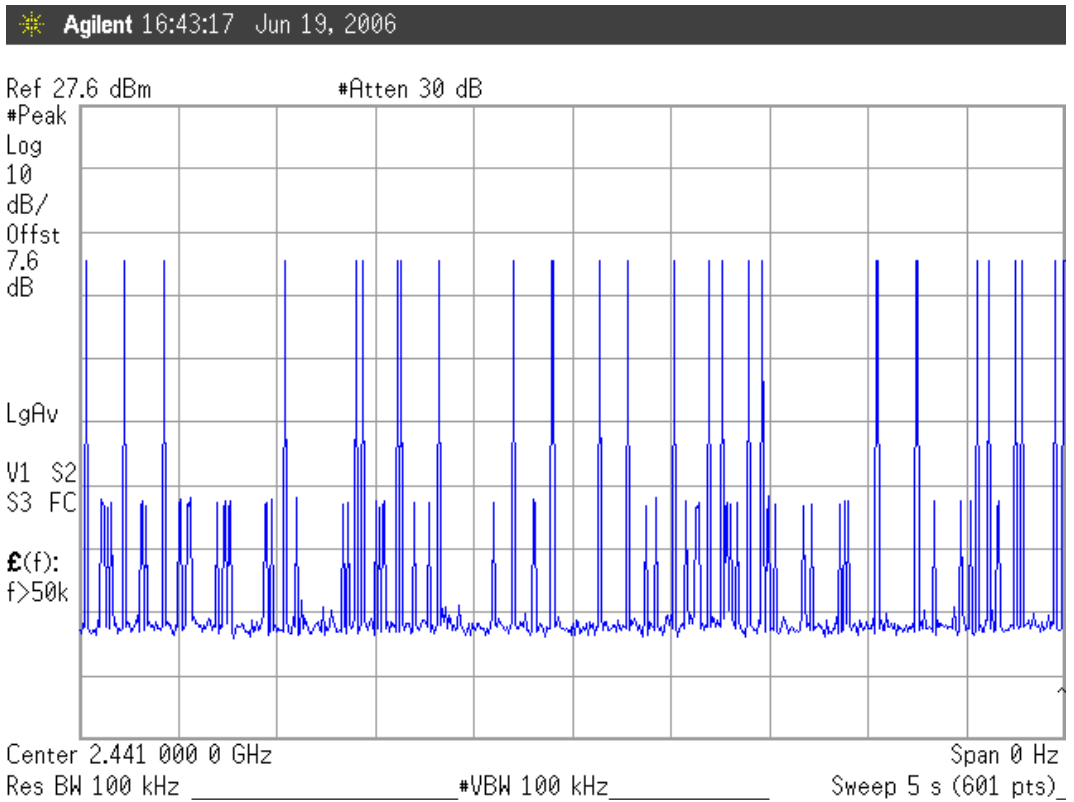
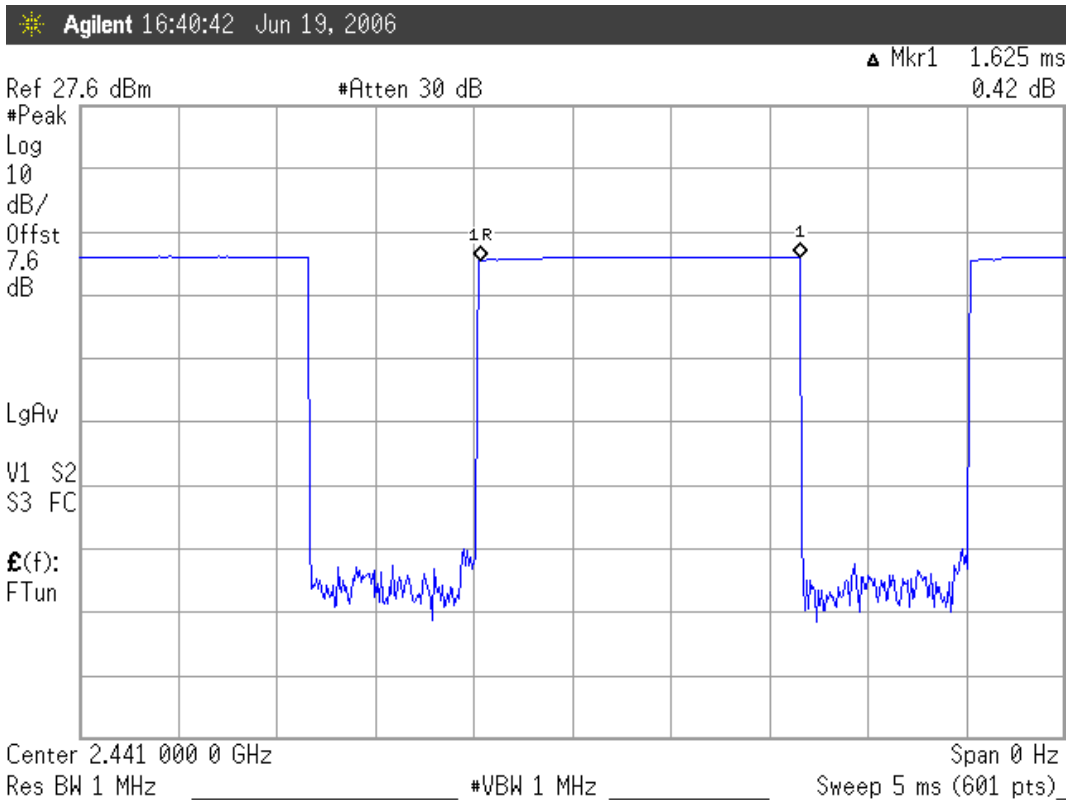
B. For each 5 seconds of 17 channels appearance, the longest time of occupancy for each of 31.6 seconds is:

$17 \text{ channels} * 31.6 \text{ seconds} / 5 * 2.883\text{ms} = 309.7495\text{ms} (<400\text{ms})$

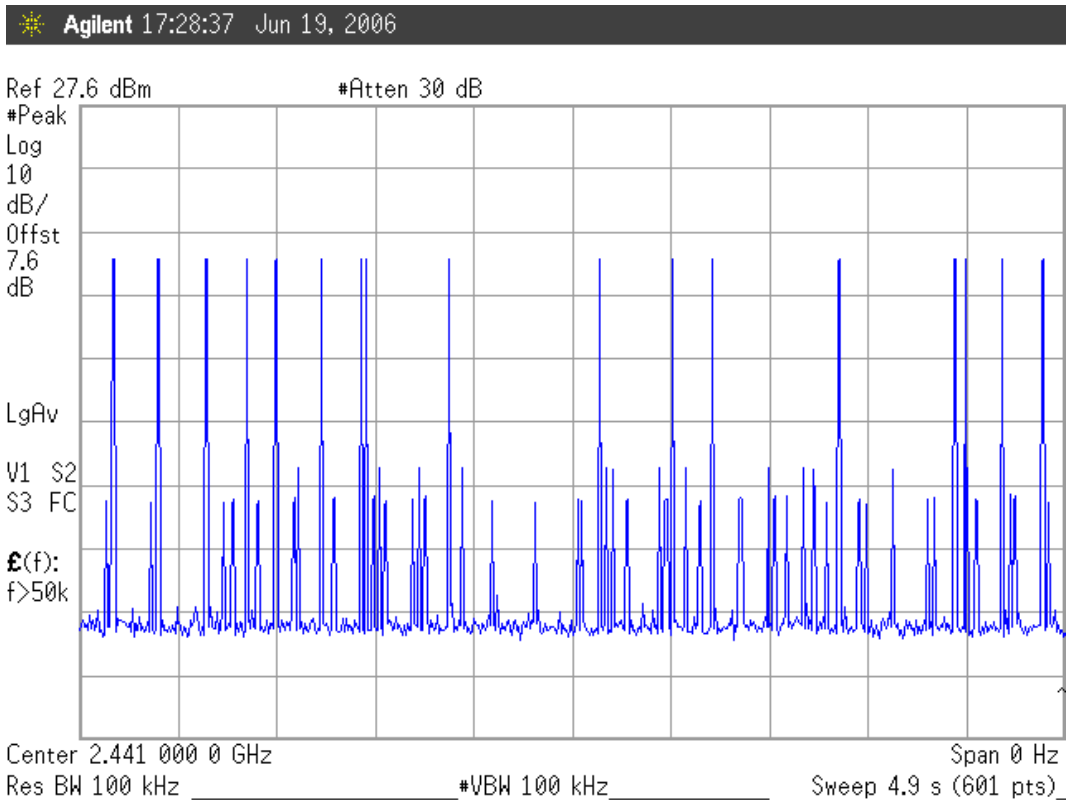
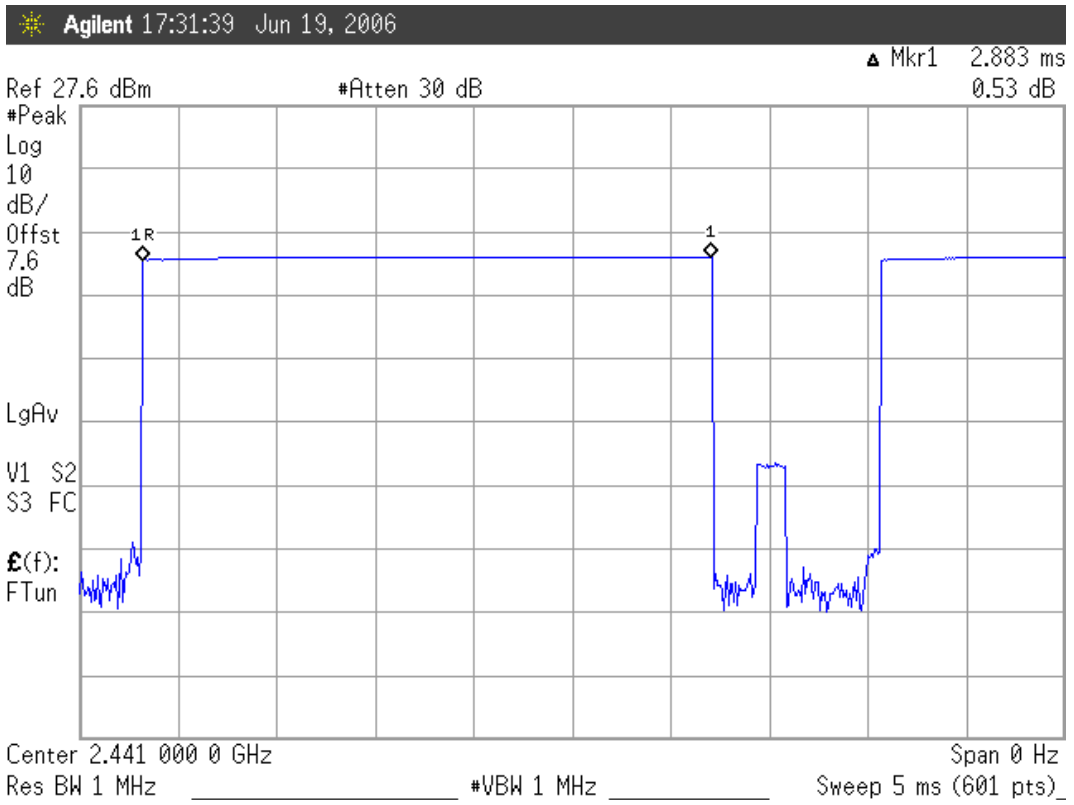
11.6.1. DH1



11.6.2. DH3



11.6.3. DH5



12. NUMBER OF HOPPING CHANNELS MEASUREMENT (BLUETOOTH)

12.1. Test Equipment

The following test equipment was used during the number of hopping channels measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'
3.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
4.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

12.2. Block Diagram of Test Setup

The same as section.10.2.

12.3. Specification Limits (§15.247(a)(1)(iii))

Frequency hopping systems which use fewer than 75 hopping frequencies may employ intelligent hopping techniques to avoid interference to other transmissions. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 non-overlapping channels.

12.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in 10.4 except the test set up replaced by section 12.2.

12.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. Sweep=Auto ; Detector function=peak ; Trace=Max hold

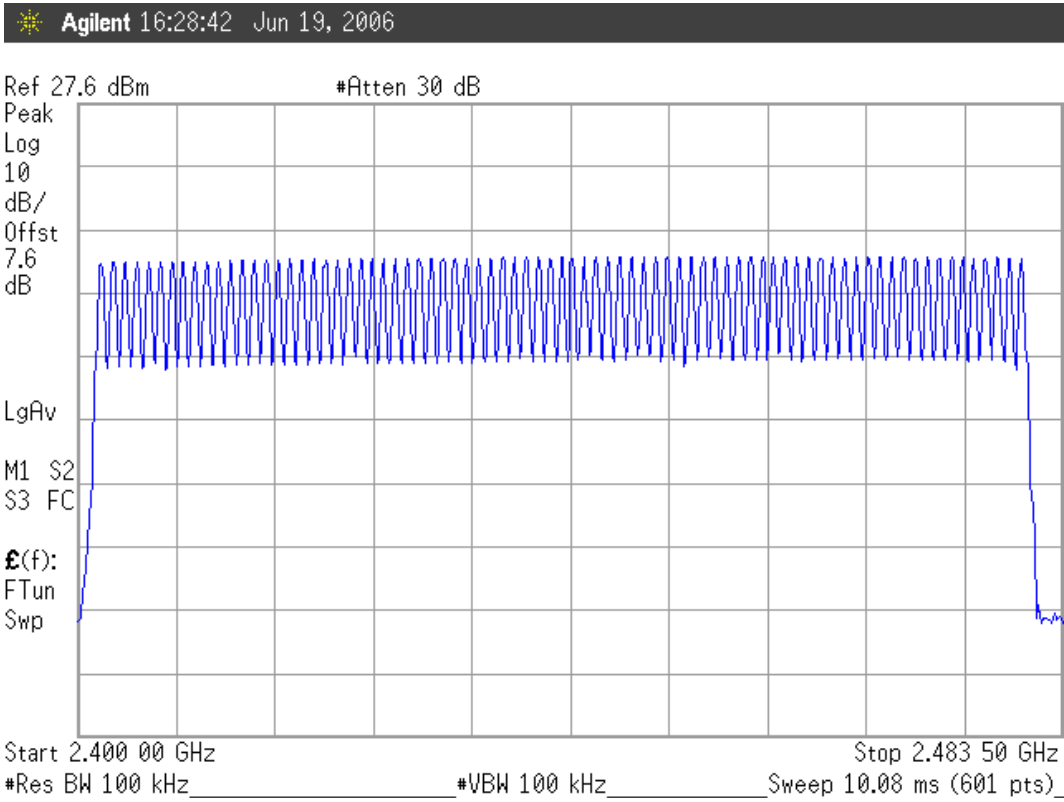
12.6. Test Results

PASSED. All the test results are listed in next page.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

[Test Voltage is DC 3.7V (via DC Power Supply)]

The number hopping channel is 79.



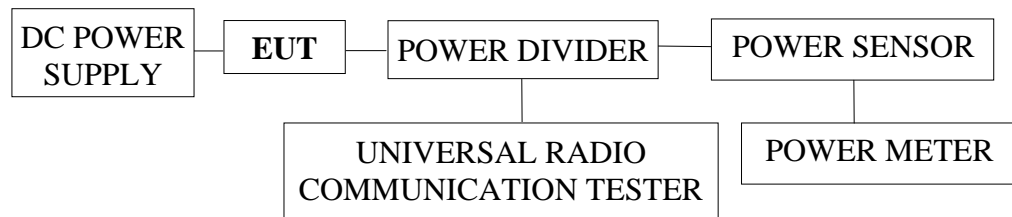
13. MAXIMUM PEAK OUTPUT POWER MEASUREMENT (BLUETOOTH)

13.1. Test Equipment

The following test equipment was used during the maximum peak output power measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Power Meter	Anritsu	ML2487A	6K000001563	Jan. 09, 06'	Jan. 08, 07'
2.	Power Sensor	Anritsu	MA2491A	030873	Jan. 09, 06'	Jan. 08, 07'
3.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'
3.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
4.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

13.2. Block Diagram of Test Setup



EUT: Personal Digital Assistant or Pocket PC

13.3. Specification Limits (§15.247(a)-(1) & (b)-(1))

The Limits of maximum Peak Output Power for frequency hopping systems in 2400-2483.5MHz is: 0.125Watt. (21dBm)

13.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in 10.4 except the test set up replaced by section 13.2.

13.5. Test Procedure

The transmitter output was connected to the power sensor and record the reading of power meter.

13.6. Test Results

PASSED. All the test results are listed below.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

No.	Test Voltage	Channel	Frequency	Peak Output Power	Limit
1.	DC 3.7V	0	2402MHz	3.12dBm	21dBm
2.	(Via DC Power	39	2441MHz	3.84dBm	21dBm
3.	Supply)	78	2480MHz	3.51dBm	21dBm

14.EMISSION LIMITATIONS MEASUREMENT (BLUETOOTH)

14.1.Test Equipment

The following test equipment was used during the emission limitations measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24, 06'
2.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'
3.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
4.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

14.2.Block Diagram of Test Setup

The same as section.10.2.

14.3.Specification Limits (§15.247(c))

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (See Section 15.205(c)).(This test result attaching to §3.6.3)

14.4.Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in 10.4 except the test set up replaced by section 14.2.

14.5.Test Procedure

The transmitter output was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with frequency range from 30MHz to 25GHz.

14.6. Test Results

PASSED. All the test results are listed in next pages.

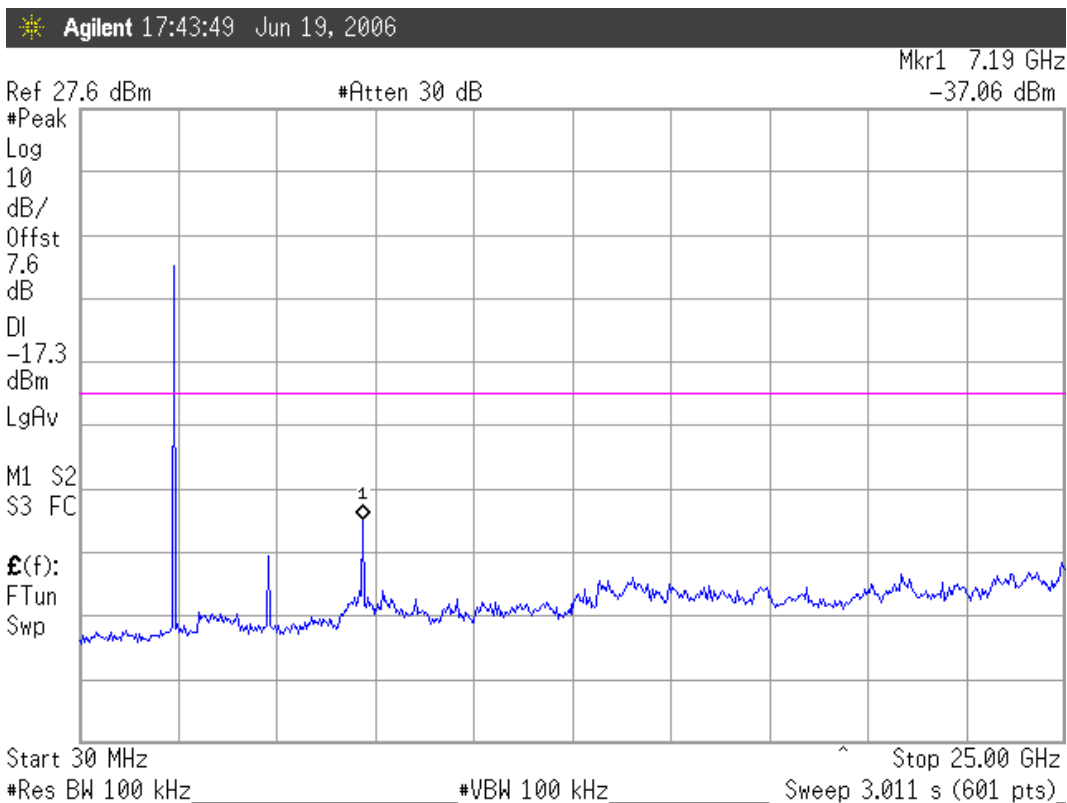
Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

[Test Voltage is DC3.7V (via DC Power Supply)]

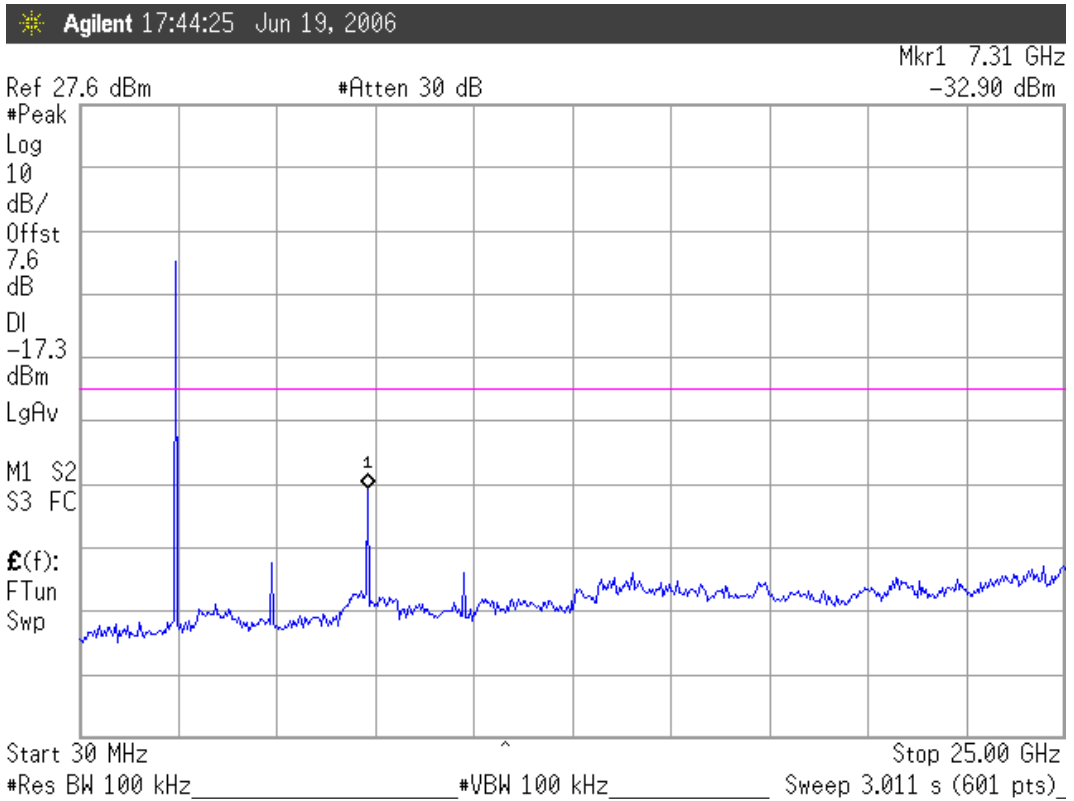
1. 2402MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -37.06dBm is max value that is lower than 20dB of primary channel.
2. 2441MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -32.90dBm is max value that is lower than 20dB of primary channel.
3. 2480MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the -37.02dBm is max value that is lower than 20dB of primary channel.

Note: The peak above the limit line is the carrier frequency.

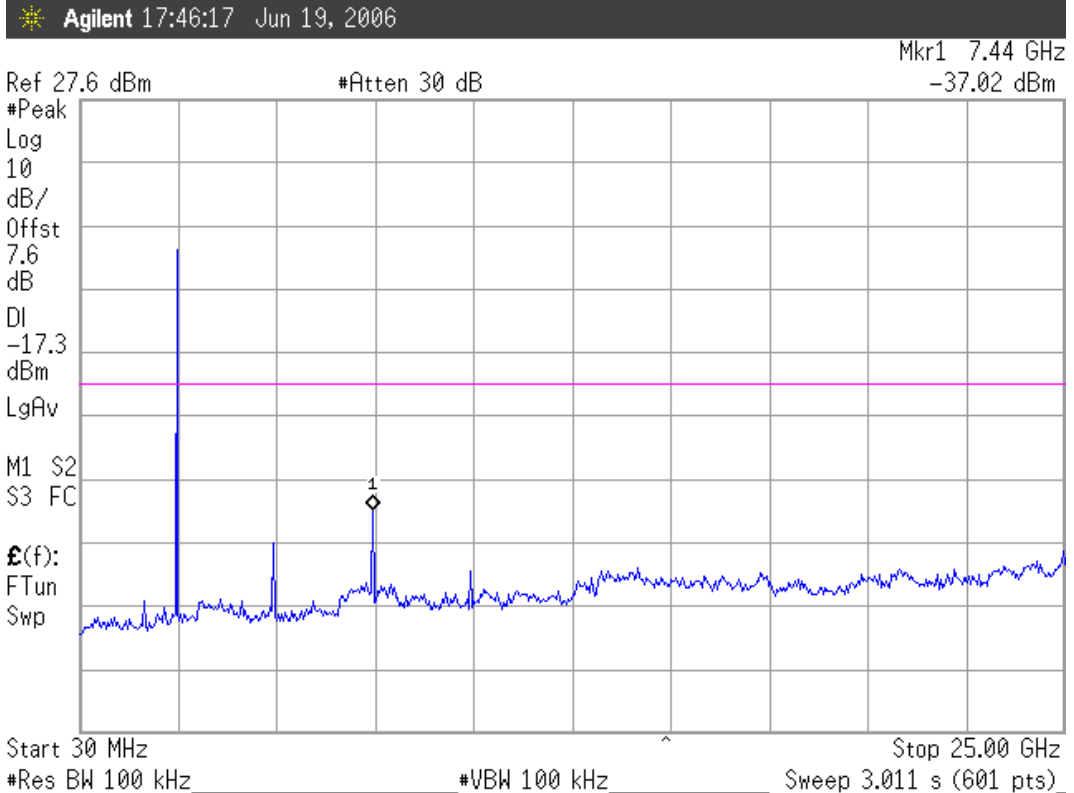
14.6.1. Channel 0, Frequency: 2402MHz



14.6.2. Channel 39, Frequency: 2441MHz



14.6.2.1. Channel 78, Frequency: 2480MHz



15.BAND EDGES MEASUREMENT (BLUETOOTH)

15.1.Test Equipment

The following test equipment was used during the band edges measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Monitor	Agilent	E4446A	US44300366	Aug. 23, 05'	Aug. 24. 06'
2.	Universal Radio Communication Tester	R&S	CMU200	102280	Nov. 22, 05'	Nov. 21, 06'
3.	Power Divider	Anritsu	K240C	019728	May 26, 06'	May 25, 07'
4.	DC Power Supply	TOP WARD	3303A	721773	N/A	N/A

15.2.Block Diagram of Test Setup

The same as section.10.2.

15.3.Specification Limits (§15.247(c))

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (See Section 15.205(c)). (This test result attaching to §3.6.3)

15.4.Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in 10.4 except the test set up replaced by section 15.2.

15.5.Test Procedure

The transmitter output was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100kHz bandwidth from band edge.

15.6.Test Results

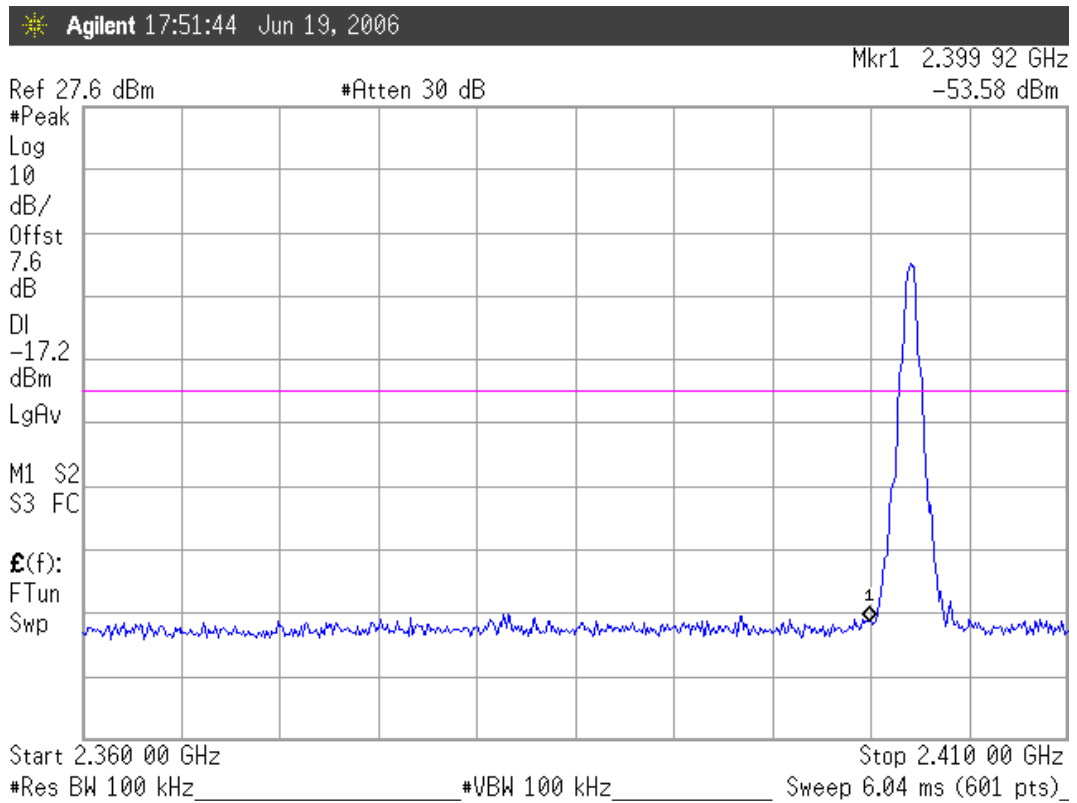
PASSED. All the test results are listed in next pages.

Test Date : Jun. 19, 2006 Temperature : 25 Humidity : 68 %

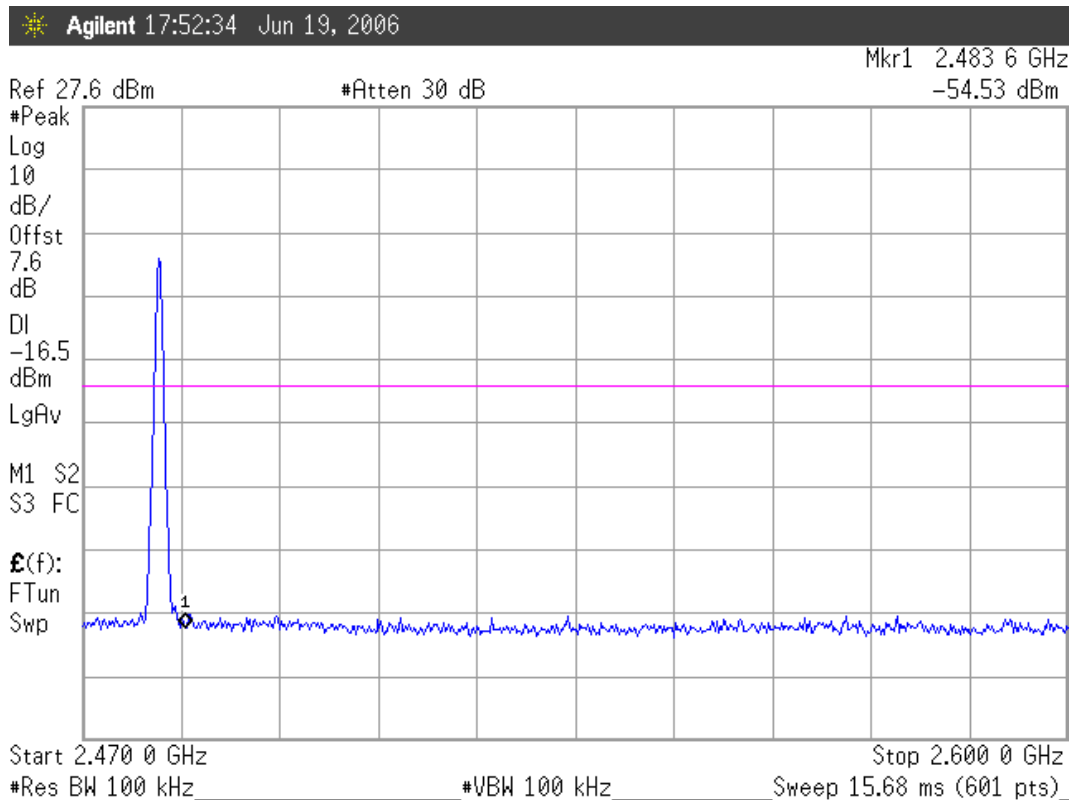
[Test Voltage is DC 3.7V (via DC Power Supply)]

1. Upper Band edge : The highest emission level is -53.58dBm on 2.39992GHz.
2. Below Band edge: The highest emission level is -54.53dBm on 2.4836GHz.

15.6.1. Below Band edge



15.6.2. Upper Band edge



16.DEVIATION TO TEST SPECIFICATIONS

【NONE】