



## Test Report

Product Name	Mobile Clinical Assistant C5
Model No.	CFT-001
FCC ID	MSQCFTA1
Transmitter Module.	ASKEY / WLL4080

Applicant	ASUSTeK COMPUTER INC.
Address	4FL., No. 150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C.

Date of Receipt	Apr. 25, 2007
Issued Date	May 21, 2007
Report No.	074L159-RFUSP05V01

The test results relate only to the samples tested.

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This report must not be used to claim product endorsement by NVLAP any agency of the U.S. Government

# Test Report Certification

Issued Date: May 21, 2007

Report No.: 074L159-RFUSP05V01



Product Name	Mobile Clinical Assistant C5
Applicant	ASUSTeK COMPUTER INC.
Address	4FL., No. 150, Li-Te Rd., Peitou, Taipei, Taiwan, R.O.C.
Manufacturer	ASUSTeK COMPUTER INC.
Model No.	CFT-001
FCC ID.	MSQCFTA1
Rated Voltage	AC 120V/60Hz
Working Voltage	AC 120V/60Hz
Trade Name	Motion Computing Incorporated
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2005 ANSI C63.4: 2003
Test Result	Complied



Test results relate only to the samples tested.

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This report must not be used to claim product endorsement by NVLAP any agency of the U.S. Government

Documented By : Rita Huang  
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Tested By : Tim Sung  
( Engineer / Tim Sung )



Approved By : Gene Chang  
( President / Gene Chang )

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## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Mobile Clinical Assistant C5
Trade Name	Motion Computing Incorporated
Model No.	CFT-001
FCC ID	MSQCFTA1
Frequency Range	2412MHz - 2462MHz, 5150-5250MHz, 5745-5825MHz
Number of Channels	11 in 2.4GHz band, 5 in 5GHz band
Channel Separation	5MHz in 2.4GHz band, 20MHz in 5GHz band
Channel Control	Auto
Data Rate	802.11b – 1, 2, 5.5, 11Mbps
	802.11a/g – 6, 9, 12, 18, 24, 36, 48, 54Mbps
Type of Modulation	DSSS/ OFDM
Antenna Type	Connector
Antenna Gain	Refer to the table “Antenna List”
Power Adapter	MFR: DELTA, M/N: ADP-50HH REV.B Cable Out: Non-Shielded, 1.8m with one ferrite core bonded. Power Cord: Shielded, 1.8m

#### Antenna List (WLAN)

No.	Manufacturer	Part No.	Peak Gain
1	Yageo	CAN4313580012501B (Main) CAN4313580022501B (Aux)	1.72 dBi for 2.4 GHz 2.91 dBi for 5.15-5.35 GHz 1.14 dBi for 5.725-5.850 GHz

## Frequency of Each Channel (2.4GHz):

Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 1:	2412 MHz	Channel 5:	2432 MHz	Channel 9:	2452 MHz
Channel 2:	2417 MHz	Channel 6:	2437 MHz	Channel 10:	2457 MHz
Channel 3:	2422 MHz	Channel 7:	2442 MHz	Channel 11:	2462 MHz
Channel 4:	2427 MHz	Channel 8:	2447 MHz		

## Frequency of Each Channel (2.4GHz Turbo mode):

Channel	Frequency
Channel 1:	2437 MHz

## Frequency of Each Channel (5GHz):

Channel	Frequency	Channel	Frequency
Channel 1:	5745 MHz	Channel 5:	5825 MHz
Channel 2:	5765 MHz		
Channel 3:	5785 MHz		
Channel 4:	5805 MHz		

## Frequency of Each Channel (5GHz Turbo mode):

Channel	Frequency	Channel	Frequency
Channel 1:	5760 MHz	Channel 2:	5805 MHz

## Note:

1. This device is a Mobile Clinical Assistant C5 with a built-in 2.4GHz and 5GHz transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11b is 1Mbps, 802.11g and 802.11a are 6Mbps, turbo are 12Mbps)
4. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.247 for spread spectrum devices.
5. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

## 1.2. Operational Description

EUT is a Mobile Clinical Assistant C5 with a built-in 2.4GHz and 5GHz transceiver. There are 11 channels in 2412 – 2462MHz and 5 channels in 5745 – 5825MHz. The channels are separated by 5MHz in 2.4GHz band and 20MHz in 5GHz band. This device supports the data rates of 1, 2, 5.5, 11Mbps in 802.11b mode and 6, 9, 12, 18, 24, 36, 48, 54Mbps in 802.11a/g mode. The signals are modulated by DSSS in 802.11b mode and OFDM in 802.11a/g mode. The antennas are Connector and use diversity to improve the receiving sensitivity.

This Mobile Clinical Assistant C5, complied with IEEE 802.11b, IEEE 802.11g, and IEEE 802.11a, is a high-efficiency Wireless LAN adapter. It allows your computer to connect to a wireless network and to share resources, such as files or printers without network wires. Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b, IEEE 802.11g, and IEEE 802.11a network.

Test Mode	Mode 1: Transmitter 802.11a-ASKEY:WLL4080
	Mode 2: Transmitter 802.11b-ASKEY:WLL4080
	Mode 3: Transmitter 802.11g-ASKEY:WLL4080

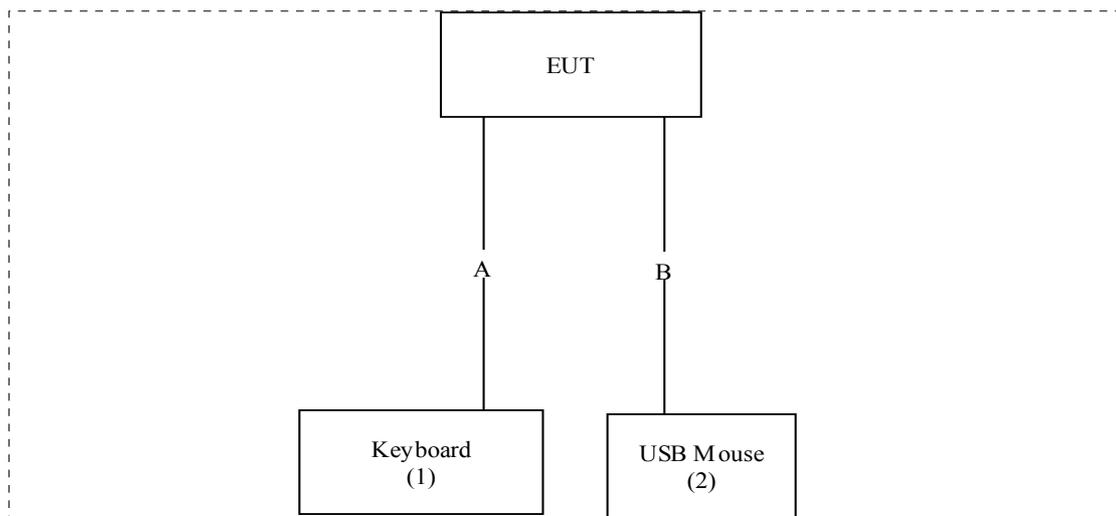
### 1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
(1) Keyboard	BTC	5200U	N/A	N/A
(2) USB Mouse	Logitech	M-BE58	HCA30103100	N/A

Signal Cable Type	Signal cable Description
A. Keyboard Cable	Shielded, 1.8m
B. Mouse Cable	Shielded, 1.8m

### 1.4. Configuration of tested System



### 1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute ART on the notebook.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press “OK” to start the continuous transmission.
- (5) Verify that the EUT works properly.

**1.6. Test Facility**

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

Site Description: File on  
 Federal Communications Commission  
 FCC Engineering Laboratory  
 7435 Oakland Mills Road  
 Columbia, MD 21046  
 Reference 31040/SIT1300F2



Accreditation on NVLAP  
 NVLAP Lab Code: 200533-0



Site Name: Quietek Corporation  
 Site Address: No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen,  
 Lin-Kou Shiang, Taipei,  
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 E-Mail : [service@quietek.com](mailto:service@quietek.com)



## 2. Conducted Emission

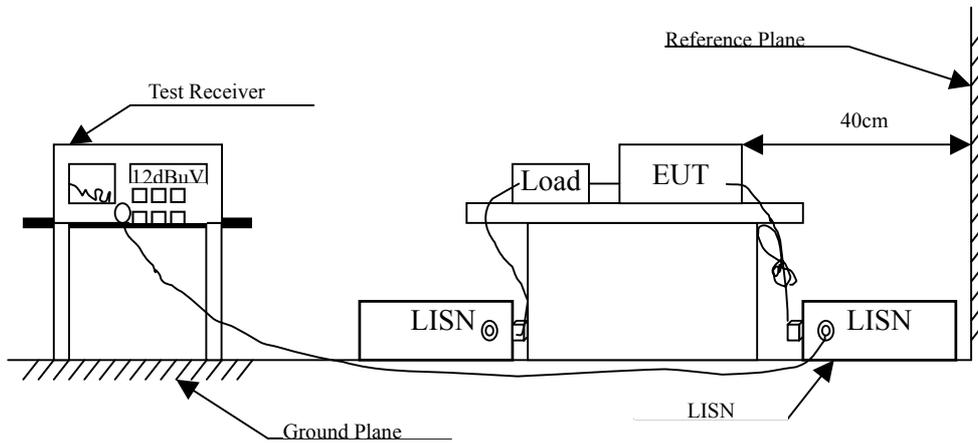
### 2.1. Test Equipment

The following test equipment are used during the conducted emission test:

Item	Instrument	Manufacturer	Type No./Serial No	Last Cal.	Remark
1	Test Receiver	R & S	ESCS 30/825442/17	May, 2007	
2	L.I.S.N.	R & S	ESH3-Z5/825016/6	May, 2007	EUT
3	L.I.S.N.	Kyoritsu	KNW-407/8-1420-3	May, 2007	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2	May, 2007	
5	No.1 Shielded Room			N/A	

Note: All equipments are calibrated every one year.

### 2.2. Test Setup



### 2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit		
Frequency MHz	Limits	
	QP	AV
0.15 - 0.50	66-56 <sub>(註)</sub>	56-46 <sub>(註)</sub>
0.50-5.0	56	46
5.0 - 30	60	50

## 2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

## 2.5. Uncertainty

± 2.26 dB

## 2.6. Test Result of Conducted Emission

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 1</b>					
<b>Quasi-Peak</b>					
0.207	0.202	50.650	50.852	-13.519	64.371
0.277	0.212	43.060	43.272	-19.099	62.371
0.347	0.214	34.510	34.724	-25.647	60.371
0.407	0.215	34.620	34.835	-23.822	58.657
0.477	0.216	31.090	31.306	-25.351	56.657
0.547	0.217	36.420	36.637	-19.363	56.000
<b>Average</b>					
0.207	0.202	33.500	33.702	-20.669	54.371
0.277	0.212	27.750	27.962	-24.409	52.371
0.347	0.214	21.120	21.334	-29.037	50.371
0.407	0.215	21.090	21.305	-27.352	48.657
0.477	0.216	20.120	20.336	-26.321	46.657
0.547	0.217	23.220	23.437	-22.563	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “ ” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 2</b>					
<b>Quasi-Peak</b>					
0.205	0.202	51.660	51.862	-12.567	64.429
0.275	0.203	45.230	45.433	-16.996	62.429
0.345	0.214	36.510	36.724	-23.705	60.429
0.415	0.215	36.040	36.255	-22.174	58.429
0.485	0.216	29.250	29.466	-26.963	56.429
0.545	0.217	33.520	33.737	-22.263	56.000
<b>Average</b>					
0.205	0.202	33.840	34.042	-20.387	54.429
0.275	0.203	29.290	29.493	-22.936	52.429
0.345	0.214	23.040	23.254	-27.175	50.429
0.415	0.215	23.070	23.285	-25.144	48.429
0.485	0.216	19.110	19.326	-27.103	46.429
0.545	0.217	20.570	20.787	-25.213	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “█” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5760MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 1</b>					
<b>Quasi-Peak</b>					
0.205	0.202	49.730	49.932	-14.497	64.429
0.275	0.211	44.790	45.002	-17.427	62.429
0.345	0.214	39.410	39.624	-20.805	60.429
0.415	0.215	36.270	36.485	-21.944	58.429
0.485	0.216	33.200	33.416	-23.013	56.429
0.555	0.217	30.430	30.647	-25.353	56.000
<b>Average</b>					
0.205	0.202	40.240	40.442	-13.987	54.429
0.275	0.211	36.360	36.572	-15.857	52.429
0.345	0.214	32.910	33.124	-17.305	50.429
0.415	0.215	29.700	29.915	-18.514	48.429
0.485	0.216	27.990	28.206	-18.223	46.429
0.555	0.217	25.140	25.357	-20.643	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “ ” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5760MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 2</b>					
<b>Quasi-Peak</b>					
0.205	0.202	49.210	49.412	-15.017	64.429
0.275	0.203	44.420	44.623	-17.806	62.429
0.345	0.214	39.150	39.364	-21.065	60.429
0.415	0.215	36.110	36.325	-22.104	58.429
0.485	0.216	33.060	33.276	-23.153	56.429
0.555	0.217	30.290	30.507	-25.493	56.000
<b>Average</b>					
0.205	0.202	39.640	39.842	-14.587	54.429
0.275	0.203	35.850	36.053	-16.376	52.429
0.345	0.214	32.390	32.604	-17.825	50.429
0.415	0.215	29.230	29.445	-18.984	48.429
0.485	0.216	27.610	27.826	-18.603	46.429
0.555	0.217	24.750	24.967	-21.033	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “█” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5805MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 1</b>					
<b>Quasi-Peak</b>					
0.209	0.202	48.820	49.022	-15.292	64.314
0.279	0.213	42.100	42.313	-20.001	62.314
0.349	0.214	35.700	35.914	-24.400	60.314
0.419	0.215	31.370	31.585	-26.729	58.314
0.479	0.216	29.100	29.316	-27.284	56.600
0.549	0.217	28.970	29.187	-26.813	56.000
<b>Average</b>					
0.209	0.202	39.170	39.372	-14.942	54.314
0.279	0.213	33.570	33.783	-18.531	52.314
0.349	0.214	28.730	28.944	-21.370	50.314
0.419	0.215	24.090	24.305	-24.009	48.314
0.479	0.216	23.500	23.716	-22.884	46.600
0.549	0.217	23.640	23.857	-22.143	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “█” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5805MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 2</b>					
<b>Quasi-Peak</b>					
0.205	0.202	48.370	48.572	-15.857	64.429
0.275	0.203	43.790	43.993	-18.436	62.429
0.345	0.214	38.750	38.964	-21.465	60.429
0.415	0.215	35.750	35.965	-22.464	58.429
0.485	0.216	32.700	32.916	-23.513	56.429
0.555	0.217	29.920	30.137	-25.863	56.000
<b>Average</b>					
0.205	0.202	38.680	38.882	-15.547	54.429
0.275	0.203	35.130	35.333	-17.096	52.429
0.345	0.214	31.770	31.984	-18.445	50.429
0.415	0.215	28.650	28.865	-19.564	48.429
0.485	0.216	26.960	27.176	-19.253	46.429
0.555	0.217	24.030	24.247	-21.753	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “ ” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 1</b>					
<b>Quasi-Peak</b>					
0.205	0.202	52.480	52.682	-11.747	64.429
0.275	0.211	46.960	47.172	-15.257	62.429
0.345	0.214	36.670	36.884	-23.545	60.429
0.405	0.215	28.810	29.025	-29.689	58.714
0.485	0.216	29.350	29.566	-26.863	56.429
0.545	0.217	33.640	33.857	-22.143	56.000
<b>Average</b>					
0.205	0.202	35.030	35.232	-19.197	54.429
0.275	0.211	30.820	31.032	-21.397	52.429
0.345	0.214	23.450	23.664	-26.765	50.429
0.405	0.215	16.530	16.745	-31.969	48.714
0.485	0.216	19.180	19.396	-27.033	46.429
0.545	0.217	20.650	20.867	-25.133	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 2</b>					
<b>Quasi-Peak</b>					
0.205	0.202	51.420	51.622	-12.807	64.429
0.275	0.203	44.220	44.423	-18.006	62.429
0.345	0.214	36.570	36.784	-23.645	60.429
0.415	0.215	35.880	36.095	-22.334	58.429
0.485	0.216	29.690	29.906	-26.523	56.429
0.545	0.217	33.680	33.897	-22.103	56.000
<b>Average</b>					
0.205	0.202	34.050	34.252	-20.177	54.429
0.275	0.203	29.040	29.243	-23.186	52.429
0.345	0.214	23.210	23.424	-27.005	50.429
0.415	0.215	23.070	23.285	-25.144	48.429
0.485	0.216	18.980	19.196	-27.233	46.429
0.545	0.217	20.570	20.787	-25.213	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 1</b>					
<b>Quasi-Peak</b>					
0.205	0.202	51.780	51.982	-12.447	64.429
0.275	0.211	44.560	44.772	-17.657	62.429
0.345	0.214	38.930	39.144	-21.285	60.429
0.415	0.215	36.240	36.455	-21.974	58.429
0.485	0.216	29.470	29.686	-26.743	56.429
0.545	0.217	33.460	33.677	-22.323	56.000
<b>Average</b>					
0.205	0.202	33.840	34.042	-20.387	54.429
0.275	0.211	29.590	29.802	-22.627	52.429
0.345	0.214	23.760	23.974	-26.455	50.429
0.415	0.215	23.070	23.285	-25.144	48.429
0.485	0.216	18.980	19.196	-27.233	46.429
0.545	0.217	20.620	20.837	-25.163	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. “ ” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 2</b>					
<b>Quasi-Peak</b>					
0.205	0.202	50.890	51.092	-13.337	64.429
0.275	0.203	44.850	45.053	-17.376	62.429
0.345	0.214	36.570	36.784	-23.645	60.429
0.415	0.215	35.880	36.095	-22.334	58.429
0.485	0.216	29.210	29.426	-27.003	56.429
0.545	0.217	33.460	33.677	-22.323	56.000
<b>Average</b>					
0.205	0.202	34.000	34.202	-20.227	54.429
0.275	0.203	29.210	29.413	-23.016	52.429
0.345	0.214	23.130	23.344	-27.085	50.429
0.415	0.215	22.990	23.205	-25.224	48.429
0.485	0.216	19.180	19.396	-27.033	46.429
0.545	0.217	20.570	20.787	-25.213	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 1</b>					
<b>Quasi-Peak</b>					
0.200	0.202	44.830	45.032	-19.539	64.571
0.270	0.210	41.870	42.080	-20.491	62.571
0.340	0.214	38.490	38.704	-21.867	60.571
0.410	0.215	37.300	37.515	-21.056	58.571
0.480	0.216	36.070	36.286	-20.285	56.571
0.550	0.217	34.240	34.457	-21.543	56.000
<b>Average</b>					
0.200	0.202	35.480	35.682	-18.889	54.571
0.270	0.210	33.760	33.970	-18.601	52.571
0.340	0.214	32.160	32.374	-18.197	50.571
0.410	0.215	31.600	31.815	-16.756	48.571
0.480	0.216	31.610	31.826	-14.745	46.571
0.550	0.217	29.870	30.087	-15.913	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Mobile Clinical Assistant C5  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>LINE 2</b>					
<b>Quasi-Peak</b>					
0.205	0.202	52.770	52.972	-11.457	64.429
0.275	0.203	46.930	47.133	-15.296	62.429
0.415	0.215	36.650	36.865	-21.564	58.429
0.485	0.216	33.100	33.316	-23.113	56.429
0.555	0.217	29.740	29.957	-26.043	56.000
0.615	0.218	27.380	27.598	-28.402	56.000
<b>Average</b>					
0.205	0.202	43.480	43.682	-10.747	54.429
0.275	0.203	38.590	38.793	-13.636	52.429
0.415	0.215	30.650	30.865	-17.564	48.429
0.485	0.216	28.270	28.486	-17.943	46.429
0.555	0.217	24.750	24.967	-21.033	46.000
0.615	0.218	23.740	23.958	-22.042	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

### 3. Peak Power Output

#### 3.1. Test Equipment

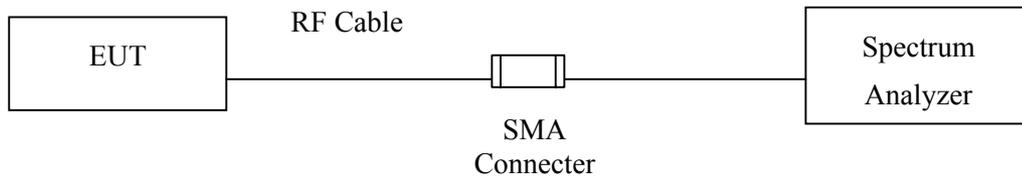
The following test equipments are used during the radiated emission tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2007

Note: 1. All equipments are calibrated every one year.  
 2. The test instruments marked by “X” are used to measure the final test results.

#### 3.2. Test Setup

##### Conduction Power Measurement



#### 3.3. Limits

The maximum peak power shall be less 1 Watt.

#### 3.4. Uncertainty

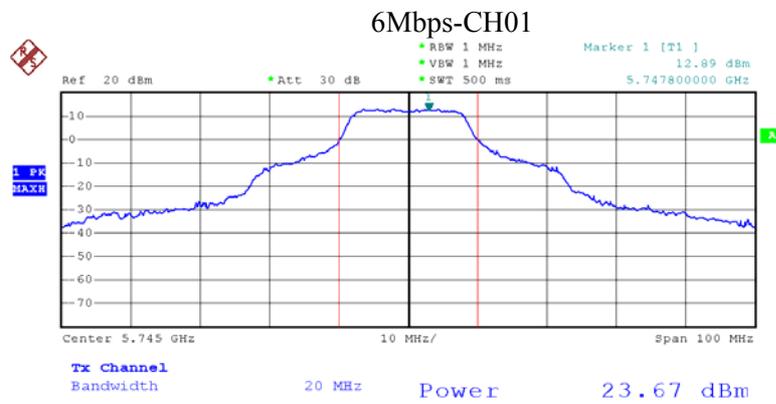
± 1.27 dB

### 3.5. Test Result of Peak Power Output

Product : Mobile Clinical Assistant C5  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080

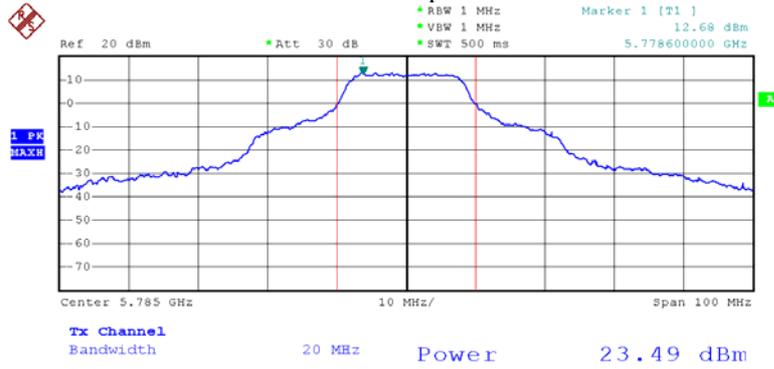
#### Data Speed: 6Mbps

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
1	5745.00	23.67dBm	1Watt= 30 dBm	Pass
3	5785.00	23.49 dBm	1Watt= 30 dBm	Pass
5	5825.00	23.23dBm	1Watt= 30 dBm	Pass



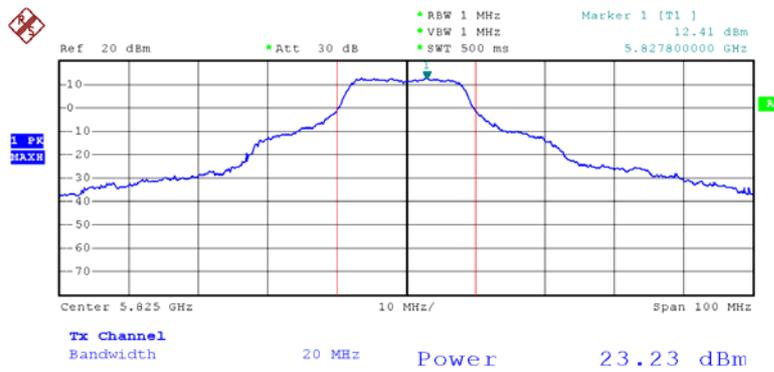
PN1  
 Date: 14.MAY.2007 11:14:32

### 6Mbps-CH 3



PN1  
Date: 14.MAY.2007 11:16:16

### 6Mbps-CH 5

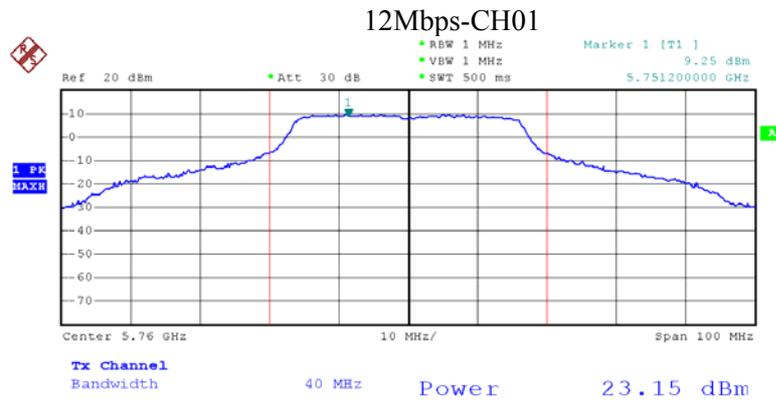


PN1  
Date: 14.MAY.2007 11:17:26

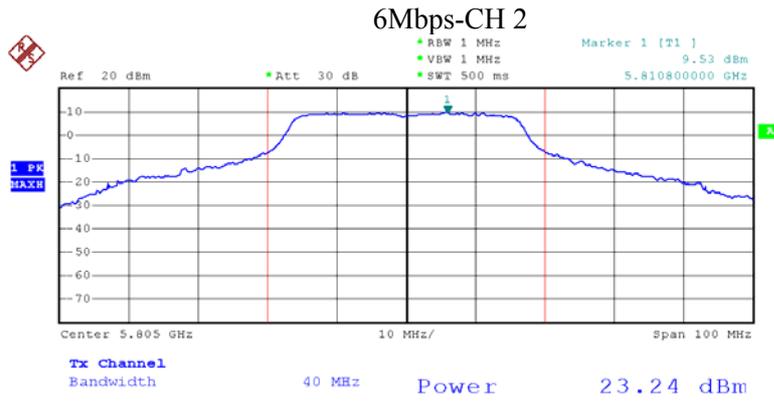
Product : Mobile Clinical Assistant C5  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (Turbo Mode)

**Data Speed: 12Mbps**

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
1	5760.00	23.15 dBm	1Watt= 30 dBm	Pass
2	5805.00	23.24 dBm	1Watt= 30 dBm	Pass



PN1  
 Date: 14.MAY.2007 11:18:47



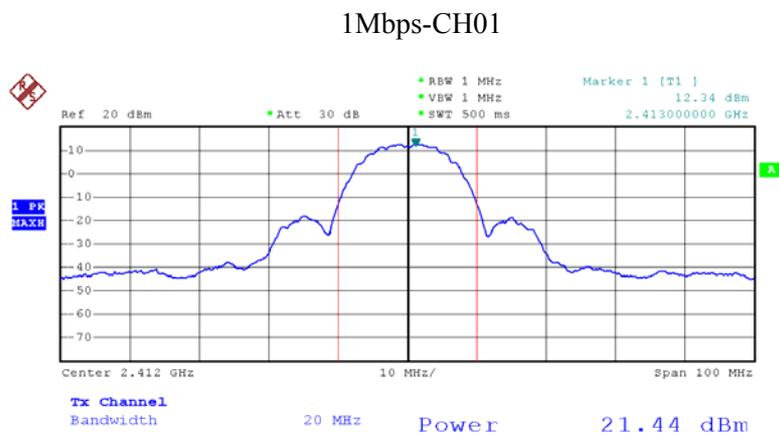
PN1

Date: 14.MAY.2007 11:19:53

Product : Mobile Clinical Assistant C5  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080

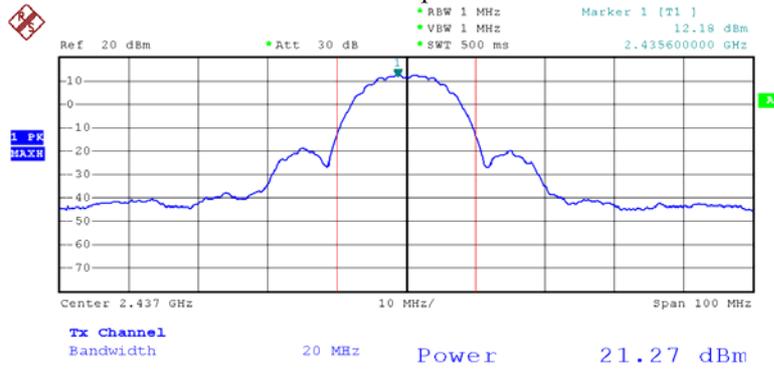
**Data Speed: 1Mbps**

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
1	2412.00	21.44 dBm	1 Watt= 30 dBm	Pass
6	2437.00	21.27 dBm	1 Watt= 30 dBm	Pass
11	2462.00	21.60 dBm	1 Watt= 30 dBm	Pass



PN1  
 Date: 14.MAY.2007 11:05:33

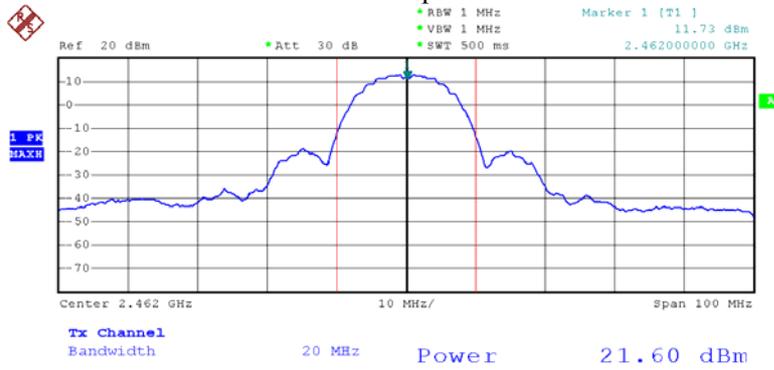
### 1Mbps-CH 06



PN1

Date: 14.MAY.2007 11:04:47

### 1Mbps-CH 11



PN1

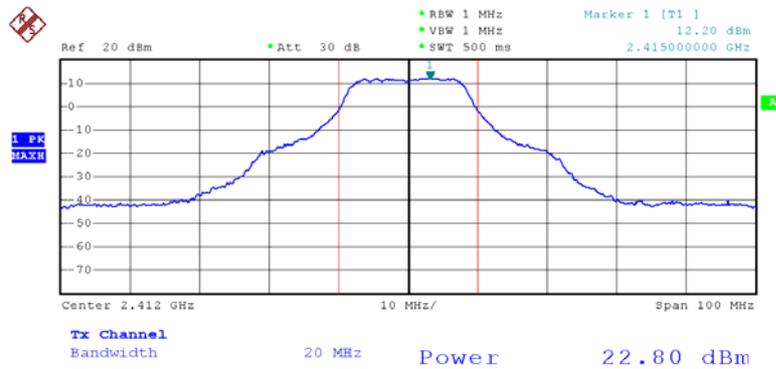
Date: 14.MAY.2007 11:03:53

Product : Mobile Clinical Assistant C5  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080

**Data Speed: 6Mbps**

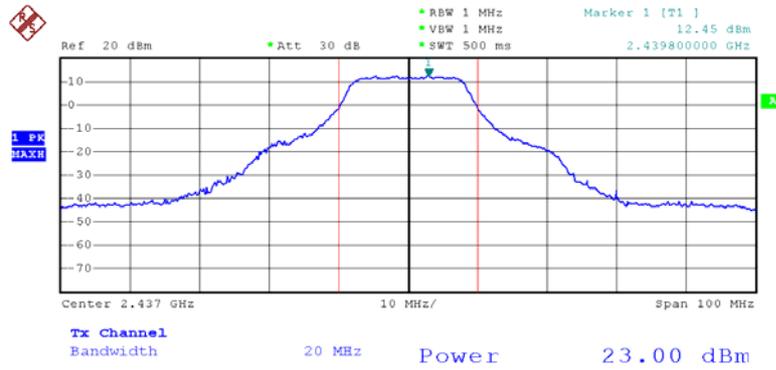
Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
1	2412.00	22.80 dBm	1 Watt= 30 dBm	Pass
6	2437.00	23.00 dBm	1 Watt= 30 dBm	Pass
11	2462.00	22.99 dBm	1 Watt= 30 dBm	Pass

6Mbps-CH01



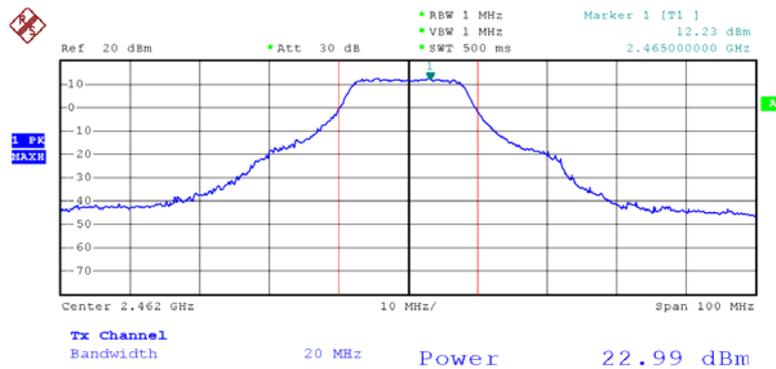
PN1  
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### 6Mbps-CH 06



PN1  
Date: 14.MAY.2007 11:08:32

### 6Mbps-CH11



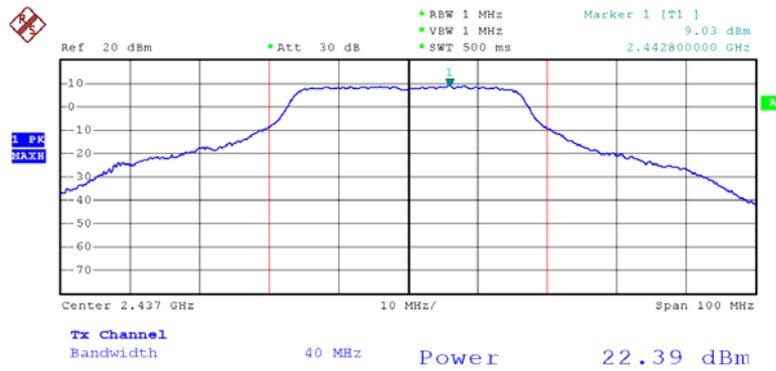
PN1  
Date: 14.MAY.2007 11:09:19

Product : Mobile Clinical Assistant C5  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (Turbo Mode)

**Data Speed: 12Mbps**

Channel No.	Frequency (MHz)	Measurement	Required Limit	Result
1	2437.00	22.39 dBm	1Watt= 30 dBm	Pass

12Mbps-CH01



PN1  
 Date: 14.MAY.2007 11:12:12

## 4. Radiated Emission

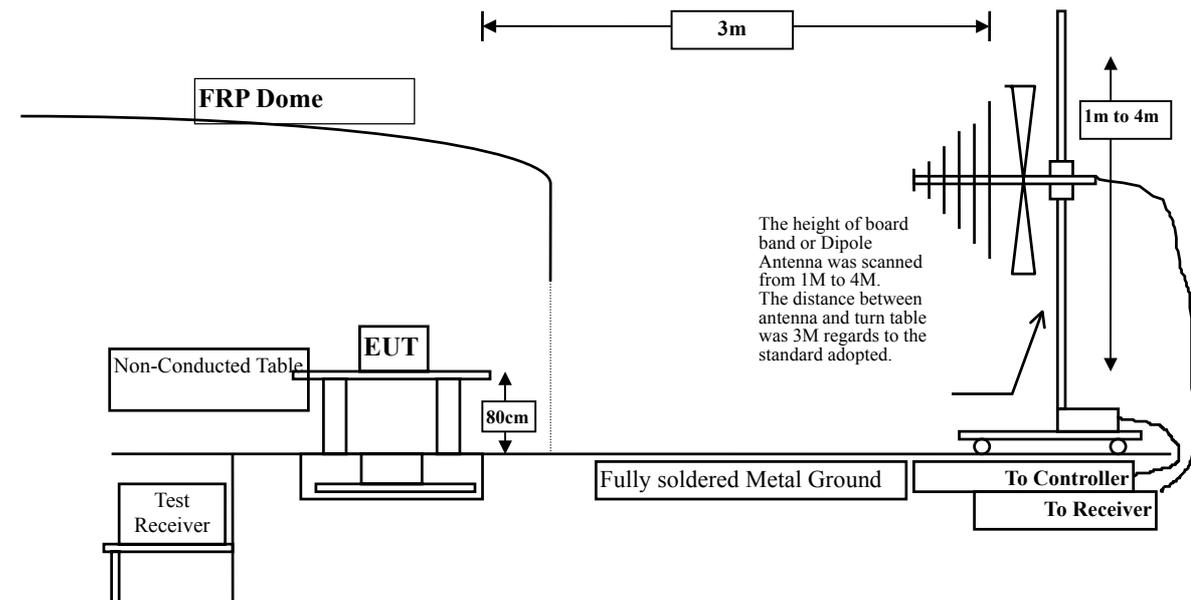
### 4.1. Test Equipment

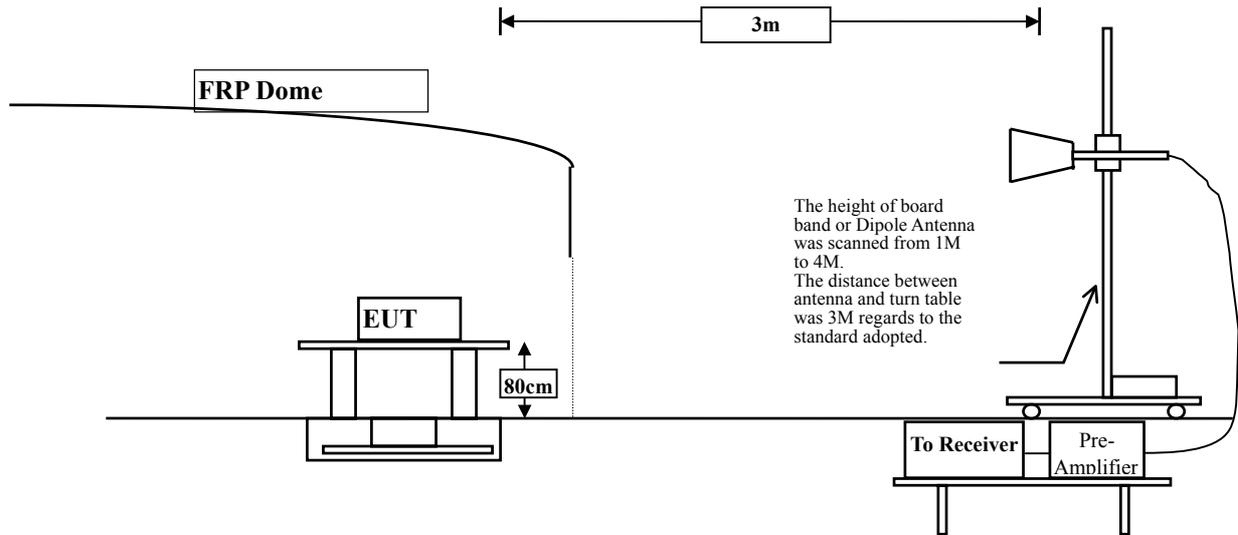
The following test equipment are used during the radiated emission test:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Site # 1	Test Receiver	R & S	ESCS 30 / 825442/14	May, 2007
	Spectrum Analyzer	Advantest	R3261C / 71720140	May, 2007
	Pre-Amplifier	HP	8447D/3307A01812	May, 2007
	Bilog Antenna	Chase	CBL6112B / 12452	Sep., 2006
	Horn Antenna	EM	EM6917 / 103325	May, 2007
Site # 2	Test Receiver	R & S	ESCS 30 / 825442/17	May, 2007
	Spectrum Analyzer	Advantest	R3261C / 71720609	May, 2007
	Pre-Amplifier	HP	8447D/3307A01814	May, 2007
	Bilog Antenna	Chase	CBL6112B / 2455	Sep., 2006
	Horn Antenna	EM	EM6917 / 103325	May, 2007
Site # 3	X Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2007
	X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2007
	X Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2007
	X Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2007
	X Horn Antenna	ETS	3115 / 0005-6160	July, 2006
	X Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2006

- Note:
1. All equipments are calibrated every one year.
  2. The test instruments marked by “X” are used to measure the final test results.

### 4.2. Test Setup





### 4.3. Limits

#### ➤ General Radiated Emission Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

- Remarks :
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
  2. In the Above Table, the tighter limit applies at the band edges.
  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.

#### 4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated measurement.

The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz. The frequency range from 30MHz to 10th harmonics is checked.

#### 4.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

#### 4.6. Test Result of Radiated Emission

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5745 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
11490.000	15.526	44.933	60.458	-13.542	74.000
17235.000	14.291	34.571	48.862	-25.138	74.000
<b>Average Detector</b>					
11490.000	15.526	33.034	48.559	-5.441	54.000
<b>Vertical</b>					
<b>Peak Detector</b>					
11490.000	15.526	43.114	58.639	-15.361	74.000
17235.000	14.291	35.091	49.382	-24.618	74.000
<b>Average Detector</b>					
11490.000	15.526	31.783	47.308	-6.692	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
11570.000	14.910	45.358	60.267	-13.733	74.000
17355.000	14.144	35.863	50.008	-23.992	74.000
<b>Average Detector</b>					
11570.000	14.910	34.853	49.762	-4.238	54.000
<b>Vertical</b>					
<b>Peak Detector</b>					
11570.000	14.910	42.811	57.720	-16.280	74.000
17355.000	14.144	35.695	49.840	-24.160	74.000
<b>Average Detector</b>					
11570.000	14.910	31.904	46.813	-7.187	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
11650.000	14.691	44.700	59.390	-14.610	74.000
17475.000	13.864	35.348	49.212	-24.788	74.000
<b>Average Detector</b>					
11650.000	14.691	33.660	48.350	-5.650	54.000
<b>Vertical</b>					
<b>Peak Detector</b>					
11650.000	14.691	45.125	59.815	-14.185	74.000
17475.000	13.864	35.111	48.975	-25.025	74.000
<b>Average Detector</b>					
11650.000	14.691	31.990	46.680	-7.320	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5760 MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
11520.000	15.291	34.826	50.117	-23.883	74.000
17280.000	14.234	34.014	48.248	-25.752	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
11520.000	15.291	35.464	50.755	-23.245	74.000
17280.000	14.234	35.112	49.346	-24.654	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5805 MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
11610.000	14.674	35.267	49.941	-24.059	74.000
17415.000	14.047	35.590	49.637	-24.363	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
11610.000	14.674	35.226	49.900	-24.100	74.000
17415.000	14.047	34.805	48.852	-25.148	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
4824.000	3.723	50.131	53.854	-20.146	74.000
7236.000	9.439	41.630	51.068	-22.932	74.000
9648.000	11.829	37.005	48.834	-25.166	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
4824.000	3.723	48.809	52.532	-21.468	74.000
7236.000	9.439	42.383	51.821	-22.179	74.000
9648.000	11.829	35.421	47.250	-26.750	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
4874.000	3.893	47.878	51.770	-22.230	74.000
7311.000	9.624	40.948	50.572	-23.428	74.000
9748.000	11.805	35.924	47.730	-26.270	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
4874.000	3.893	49.541	53.433	-20.567	74.000
7311.000	9.624	40.465	50.089	-23.911	74.000
9748.000	11.805	35.151	46.957	-27.043	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2462MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
4924.000	4.075	49.307	53.381	-20.619	74.000
7386.000	9.812	40.228	50.040	-23.960	74.000
9848.000	11.819	36.066	47.885	-26.115	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
4924.000	4.075	49.621	53.695	-20.305	74.000
7386.000	9.812	39.397	49.209	-24.791	74.000
9848.000	11.819	35.242	47.061	-26.939	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2412 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
4824.000	3.723	43.654	47.377	-26.623	74.000
7236.000	9.439	41.256	50.694	-23.306	74.000
9648.000	11.829	36.265	48.094	-25.906	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
4824.000	3.723	44.035	47.758	-26.242	74.000
7236.000	9.439	41.339	50.777	-23.223	74.000
9648.000	11.829	35.960	47.789	-26.211	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
4874.000	3.893	41.630	45.522	-28.478	74.000
7311.000	9.624	39.310	48.934	-25.066	74.000
9748.000	11.805	35.056	46.862	-27.138	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
4874.000	3.893	42.485	46.377	-27.623	74.000
7311.000	9.624	39.545	49.169	-24.831	74.000
9748.000	11.805	36.142	47.948	-26.052	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
4924.000	4.075	43.032	47.106	-26.894	74.000
7386.000	9.812	39.221	49.033	-24.967	74.000
9848.000	11.819	36.085	47.904	-26.096	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
4924.000	4.075	43.335	47.409	-26.591	74.000
7386.000	9.812	38.437	48.249	-25.751	74.000
9848.000	11.819	35.188	47.007	-26.993	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437 MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
4874.000	3.893	40.563	44.455	-29.545	74.000
7311.000	9.624	37.476	47.100	-26.900	74.000
9748.000	11.805	36.877	48.683	-25.317	74.000
<b>Average Detector</b>					
--					
<b>Vertical</b>					
<b>Peak Detector</b>					
4874.000	3.893	42.385	46.277	-27.723	74.000
7311.000	9.624	38.291	47.915	-26.085	74.000
9748.000	11.805	37.359	49.165	-24.835	74.000
<b>Average Detector</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz.
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:30Hz; Span:20MHz.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Product : Mobile Clinical Assistant C5  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
240.975	12.077	29.404	41.481	-4.519	46.000
456.800	18.477	21.411	39.888	-6.112	46.000
527.125	18.485	21.089	39.574	-6.426	46.000
599.975	20.010	21.262	41.272	-4.728	46.000
798.725	21.908	18.915	40.823	-5.177	46.000
876.325	21.967	18.198	40.165	-5.835	46.000
<b>Vertical</b>					
<b>Peak Detector</b>					
240.975	12.463	30.994	43.457	-2.543	46.000
335.550	14.360	27.121	41.481	-4.519	46.000
527.125	18.888	22.923	41.811	-4.189	46.000
798.725	21.809	19.755	41.563	-4.437	46.000
815.700	21.536	21.262	42.798	-3.202	46.000
847.225	21.545	19.457	41.001	-4.999	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : Mobile Clinical Assistant C5  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5760 MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
240.975	12.077	28.048	40.125	-5.875	46.000
527.125	18.485	21.380	39.865	-6.135	46.000
575.625	19.517	18.829	38.346	-7.654	46.000
599.324	19.945	20.270	40.215	-5.785	46.000
798.725	21.908	18.408	40.316	-5.684	46.000
815.700	21.623	17.902	39.525	-6.475	46.000
<b>Vertical</b>					
<b>Peak Detector</b>					
240.975	12.463	31.222	43.685	-2.315	46.000
335.550	14.360	26.901	41.261	-4.739	46.000
527.125	18.888	23.910	42.798	-3.202	46.000
798.725	21.809	20.504	42.312	-3.688	46.000
847.225	21.545	19.869	41.413	-4.587	46.000
898.150	23.435	19.129	42.564	-3.436	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : Mobile Clinical Assistant C5  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5805 MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
240.975	12.077	28.254	40.331	-5.669	46.000
456.800	18.477	19.652	38.129	-7.871	46.000
527.125	18.485	21.847	40.332	-5.668	46.000
575.625	19.517	20.331	39.847	-6.153	46.000
599.875	19.999	20.790	40.789	-5.211	46.000
801.150	21.771	19.998	41.769	-4.231	46.000

<b>Vertical</b>					
<b>Peak Detector</b>					
240.975	12.463	29.893	42.356	-3.644	46.000
260.375	14.610	26.485	41.095	-4.905	46.000
335.550	14.360	26.967	41.327	-4.673	46.000
527.125	18.888	23.646	42.534	-3.466	46.000
798.725	21.809	19.850	41.658	-4.342	46.000
815.700	21.536	19.797	41.333	-4.667	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : Mobile Clinical Assistant C5  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
240.975	12.077	29.404	41.481	-4.519	46.000
522.275	18.602	22.752	41.354	-4.646	46.000
599.875	19.999	22.084	42.083	-3.917	46.000
798.725	21.908	20.232	42.140	-3.860	46.000
815.700	21.623	20.301	41.924	-4.076	46.000
876.325	21.967	19.703	41.670	-4.330	46.000
<b>Vertical</b>					
<b>Peak Detector</b>					
240.975	12.463	30.994	43.457	-2.543	46.000
260.375	14.610	27.859	42.469	-3.531	46.000
335.550	14.360	27.909	42.269	-3.731	46.000
527.125	18.888	23.252	42.140	-3.860	46.000
798.725	21.809	21.320	43.128	-2.872	46.000
912.700	24.019	19.039	43.058	-2.942	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : Mobile Clinical Assistant C5  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
240.975	12.077	30.721	42.798	-3.202	46.000
456.800	18.477	22.134	40.611	-5.389	46.000
527.125	18.485	20.726	39.211	-6.789	46.000
599.875	19.999	17.785	37.784	-8.216	46.000
798.725	21.908	20.232	42.140	-3.860	46.000
876.325	21.967	19.915	41.882	-4.118	46.000
<b>Vertical</b>					
<b>Peak Detector</b>					
240.975	12.463	31.323	43.786	-2.214	46.000
260.375	14.610	27.859	42.469	-3.531	46.000
527.125	18.888	23.252	42.140	-3.860	46.000
798.725	21.809	20.805	42.613	-3.387	46.000
876.325	22.616	19.802	42.418	-3.582	46.000
912.700	24.019	18.109	42.128	-3.872	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

Product : Mobile Clinical Assistant C5  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437 MHz) (Turbo Mode)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
<b>Horizontal</b>					
<b>Peak Detector</b>					
240.975	12.077	29.281	41.358	-4.642	46.000
527.125	18.485	21.443	39.928	-6.072	46.000
575.625	19.517	19.811	39.328	-6.672	46.000
599.875	19.999	19.317	39.316	-6.684	46.000
798.725	21.908	19.130	41.038	-4.962	46.000
847.225	22.239	17.886	40.125	-5.875	46.000
<b>Vertical</b>					
<b>Peak Detector</b>					
240.975	12.463	30.666	43.129	-2.871	46.000
265.225	14.417	25.161	39.578	-6.422	46.000
335.500	14.354	27.815	42.169	-3.831	46.000
527.125	18.888	22.436	41.324	-4.676	46.000
801.150	21.828	20.031	41.859	-4.141	46.000
876.325	22.616	17.655	40.271	-5.729	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested. Only the worst case is shown on the report.

## 5. Band Edge

### 5.1. Test Equipment

The following test equipments are used during the band edge tests:

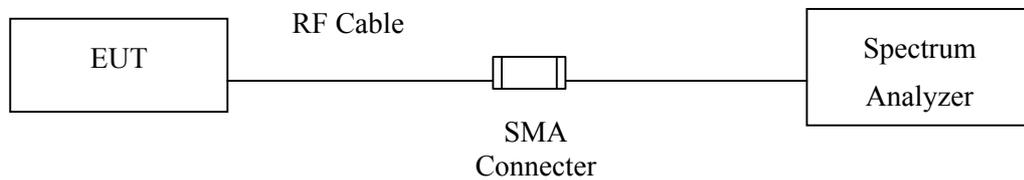
Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2007
X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2007
X Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2007
X Bilog Antenna	SCHAFFNER	CBL6112B / 2697	May, 2007
X Horn Antenna	ETS	3115 / 0005-6160	July, 2006
X Pre-Amplifier	QTK	QTK-AMP-01 / 0001	July, 2006

Test Site: Site 3

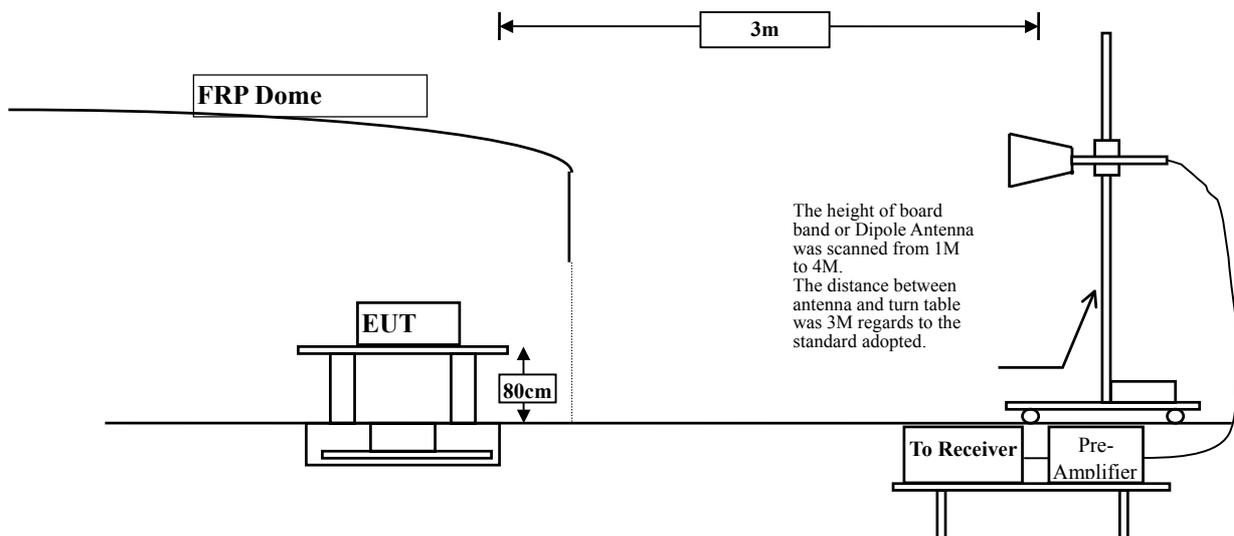
- Note:
1. All equipments are calibrated every one year.
  2. The test instruments marked by "X" are used to measure the final test results.

### 5.2. Test Setup

#### RF Conducted Measurement:



#### RF Radiated Measurement:



### 5.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz 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 the 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)).

### 5.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.

### 5.5. Uncertainty

Conducted is  $\pm 1.27$  dB

Radiated is  $\pm 3.9$  dB

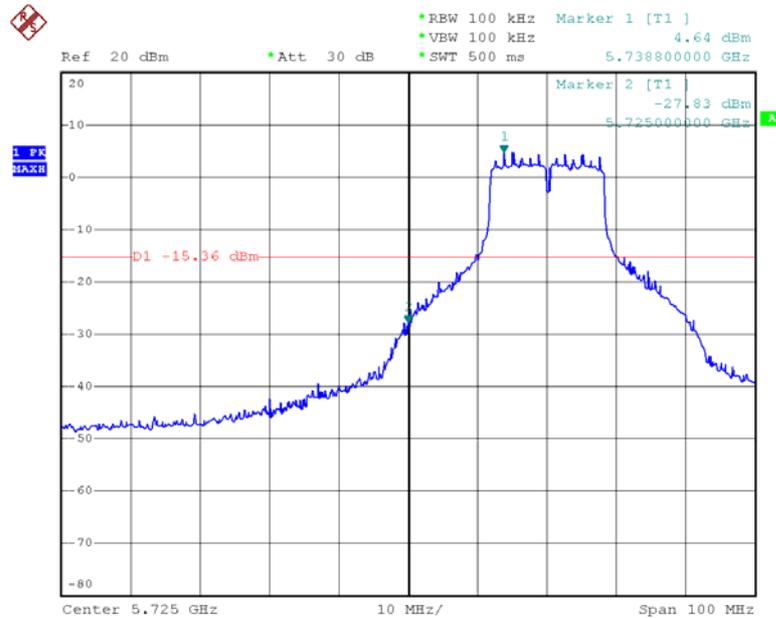
**5.6. Test Result of Band Edge**

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5745MHz)

**RF Conducted Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1	< 5725	>20	Pass

**Figure Channel 1:**



PN1  
 Date: 15.MAY.2007 04:26:06

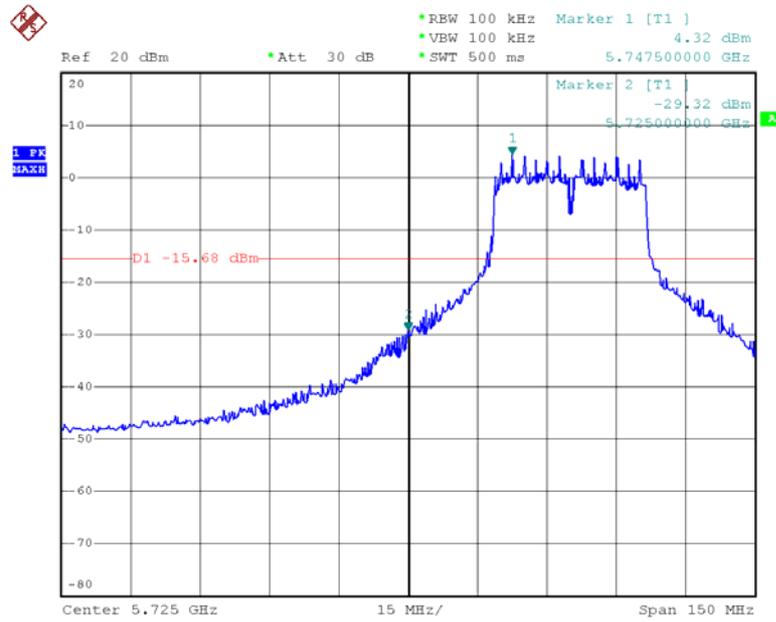


Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5760MHz) (Turbo Mode)

**RF Conducted Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1	< 5725	>20	Pass

**Figure Channel 1:**



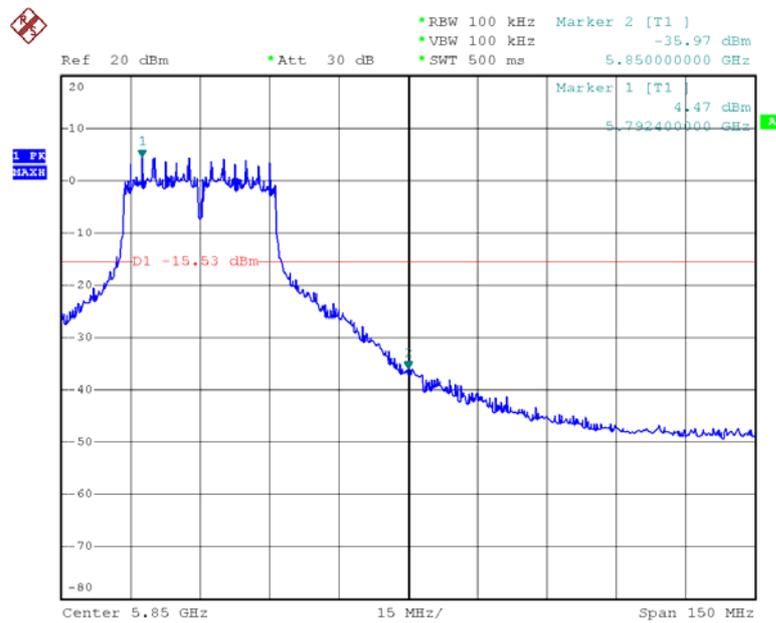
PN1  
 Date: 15.MAY.2007 04:37:04

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5805MHz) (Turbo Mode)

**RF Conducted Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
2	> 5850	>20	Pass

**Figure Channel 2:**



PN1  
 Date: 15.MAY.2007 04:34:45

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2412MHz)

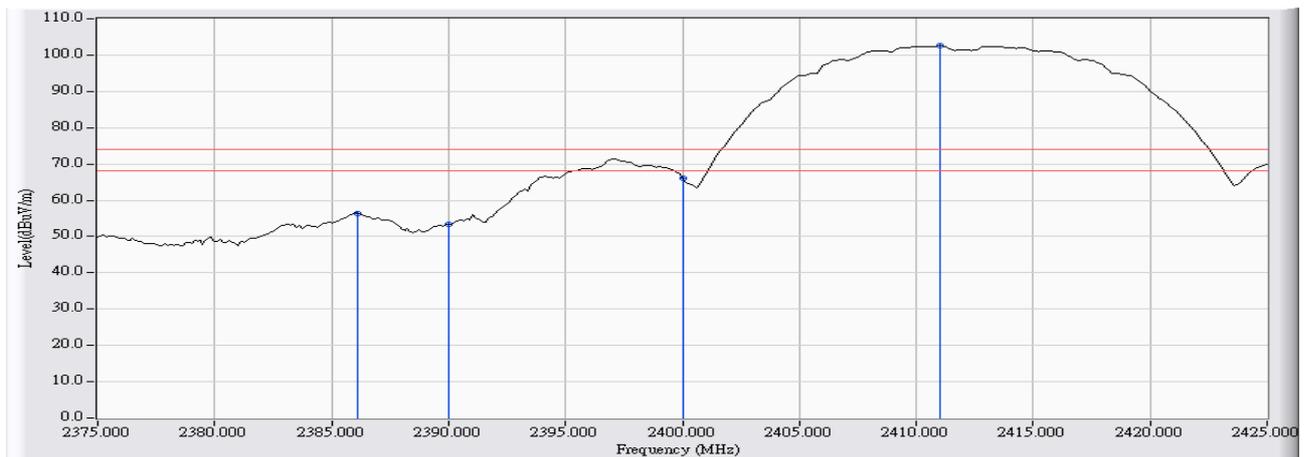
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1 (Horizontal)	<2400	>20	Pass

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1 (Peak)	2386.125	-2.397	58.844	56.448	74.00	54.00	Pass
1 (Average)	2386.125	-2.397	53.267	50.871	74.00	54.00	Pass

**Figure Channel 1: Horizontal (Peak)**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

**Figure Channel 1: Horizontal (Average)**



Note: RBW=1MHz, VBW=300Hz, Sweep=500ms

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2412MHz)

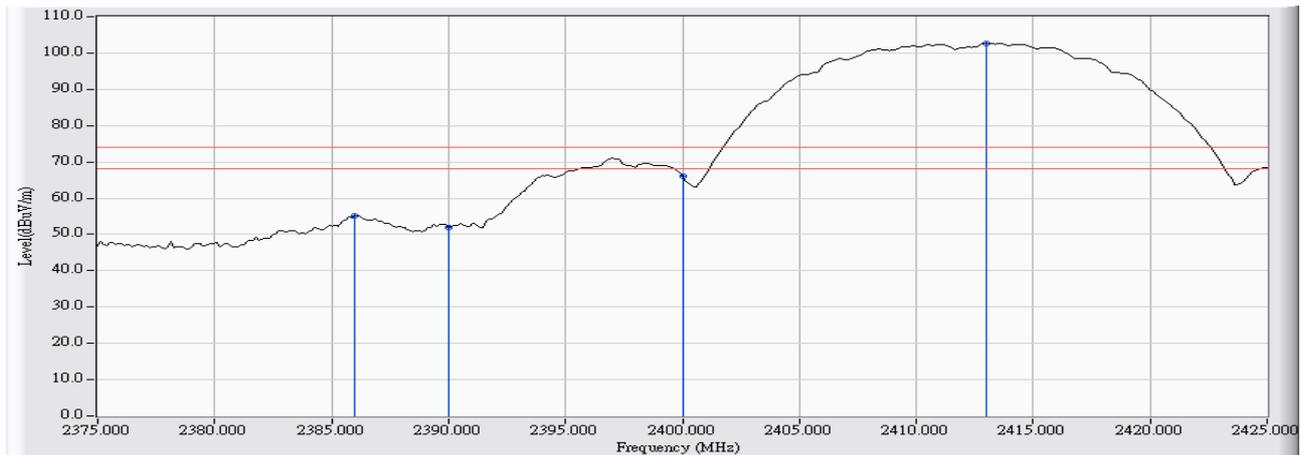
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1 (Vertical)	<2400	>20	Pass

**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1 (Peak)	2386.000	-2.397	57.447	55.050	74.00	54.00	Pass
1 (Average)	2386.000	-2.397	53.227	50.830	74.00	54.00	Pass

**Figure Channel 1: Vertical (Peak)**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

**Figure Channel 1: Vertical (Average)**



Note: RBW=1MHz, VBW=300Hz, Sweep=500ms

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2462MHz)

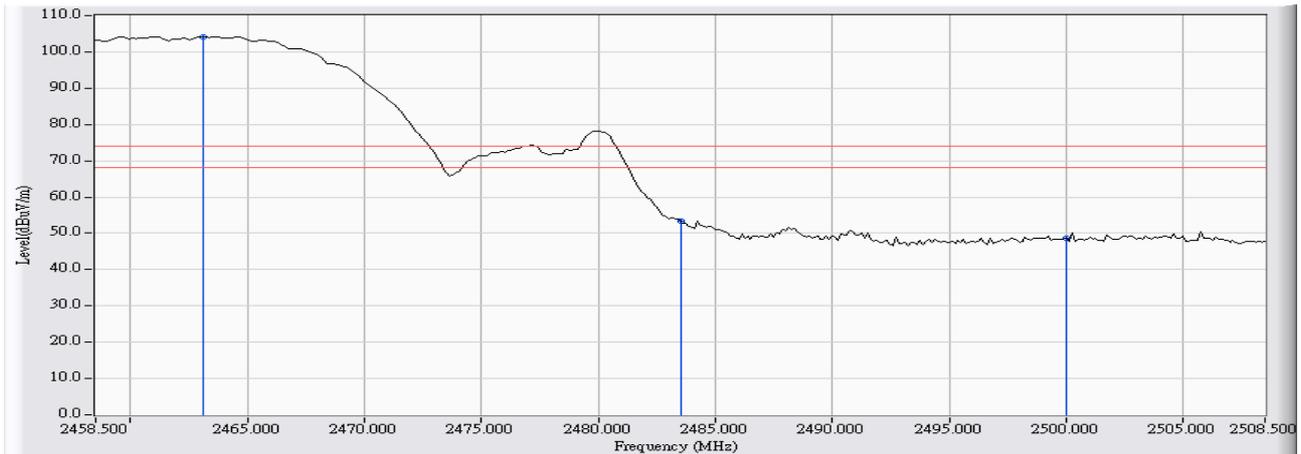
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
11 (Horizontal)	>2483.5	>20	Pass

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11(Peak)	2483.500	-1.937	55.181	53.244	74.00	54.00	Pass
11(Average)	--	--	--	--	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2462MHz)

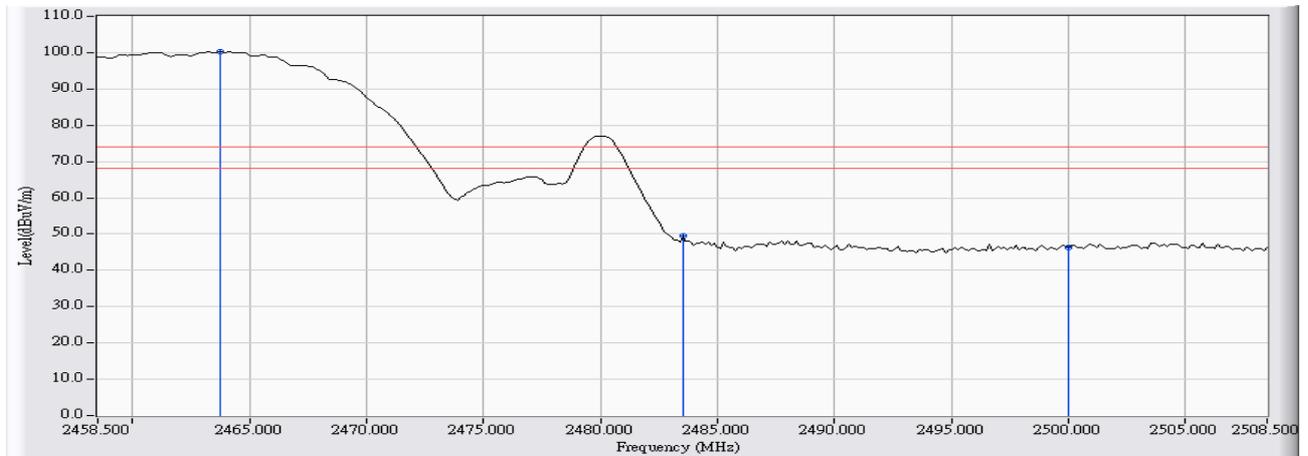
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
11 (Vertical)	>2483.5	>20	Pass

**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11(Peak)	2483.500	-1.937	51.437	49.500	74.00	54.00	Pass
11(Average)	--	--	--	--	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak )**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2412MHz)

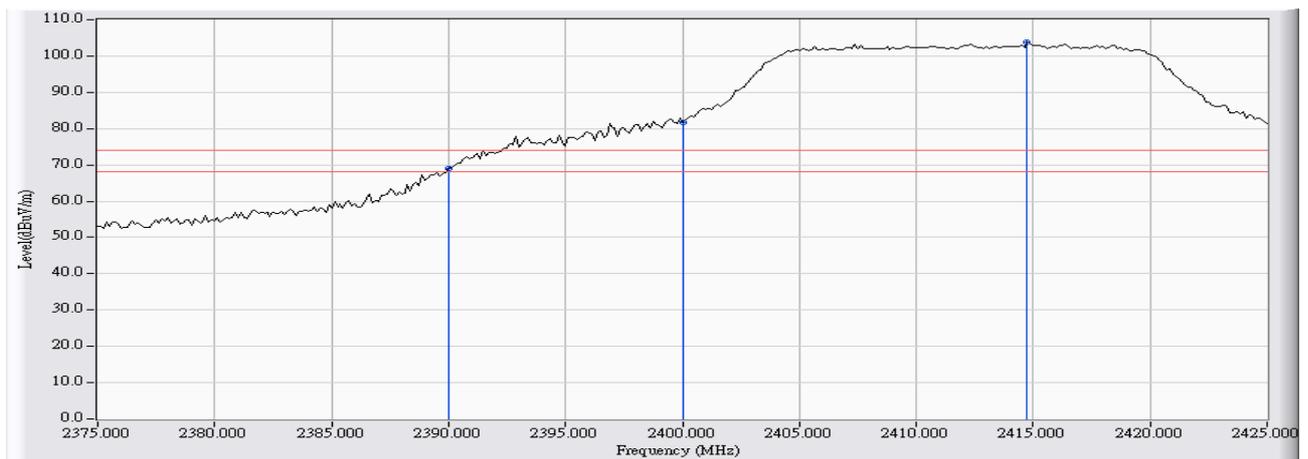
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1 (Horizontal)	<2400	>20	Pass

**RF Radiated Measurement (Horizontal):**

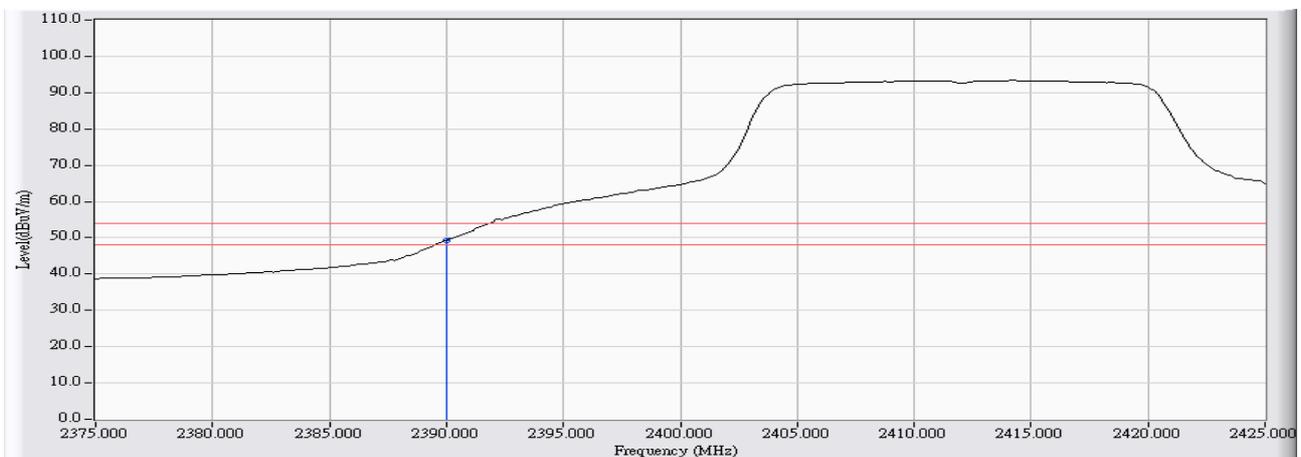
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1 (Peak)	2390.000	-2.378	71.382	69.005	74.00	54.00	Pass
1 (Average)	2390.000	-2.378	51.733	49.356	74.00	54.00	Pass

**Figure Channel 1: Horizontal (Peak)**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

**Figure Channel 1: Horizontal (Average)**



Note: RBW=1MHz, VBW=300Hz, Sweep=500ms

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080(2412MHz)

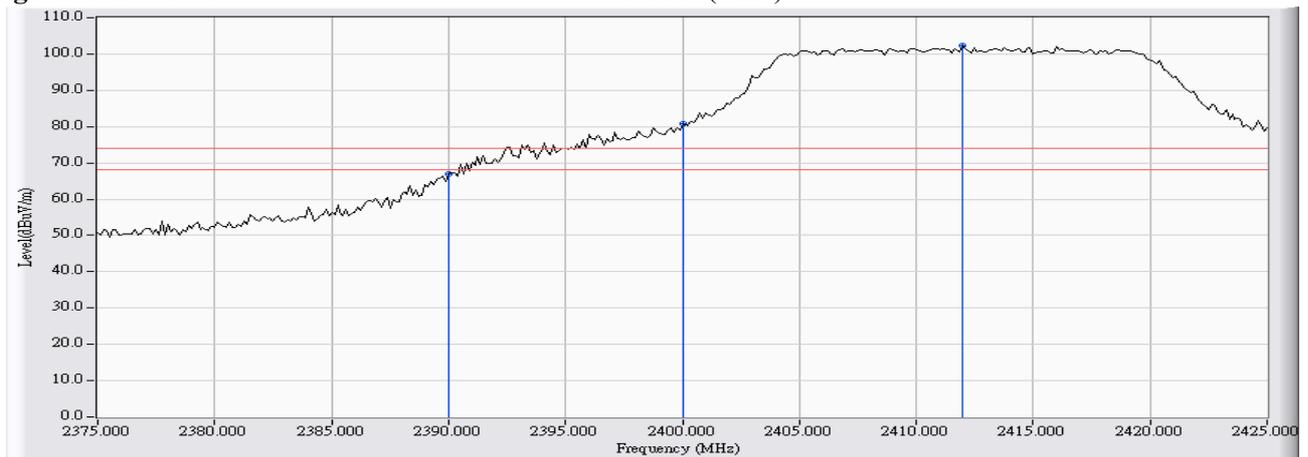
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1 (Vertical)	<2400	>20	Pass

**RF Radiated Measurement (Vertical):**

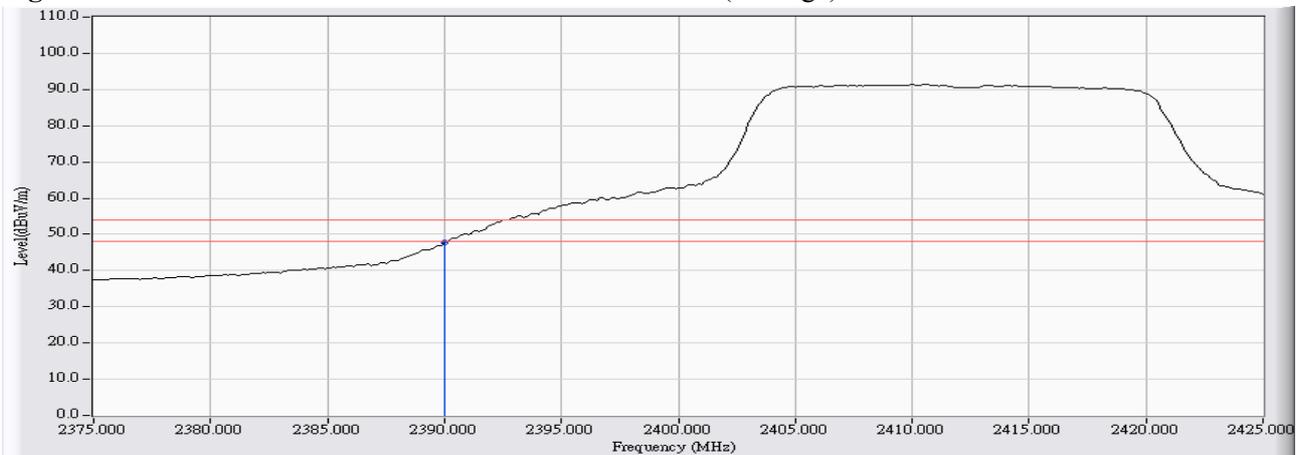
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
1 (Peak)	2390.000	-2.378	69.237	66.860	74.00	54.00	Pass
1 (Average)	2390.000	-2.378	50.020	47.643	74.00	54.00	Pass

**Figure Channel 1: Vertical (Peak)**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

**Figure Channel 1: Vertical (Average)**



Note: RBW=1MHz, VBW=300Hz, Sweep=500ms

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2462MHz)

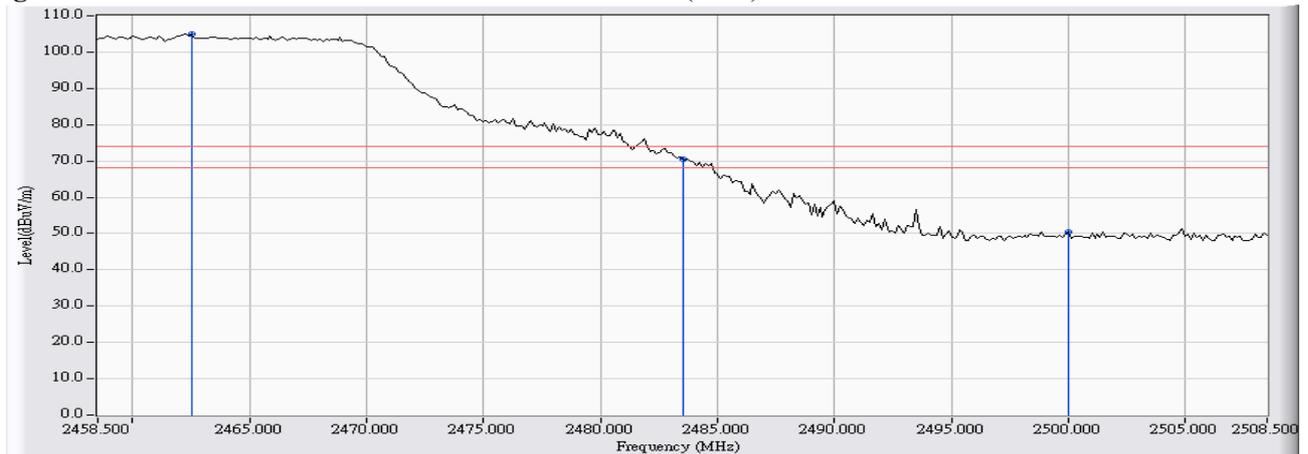
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
11 (Horizontal)	>2483.5	>20	Pass

**RF Radiated Measurement (Horizontal):**

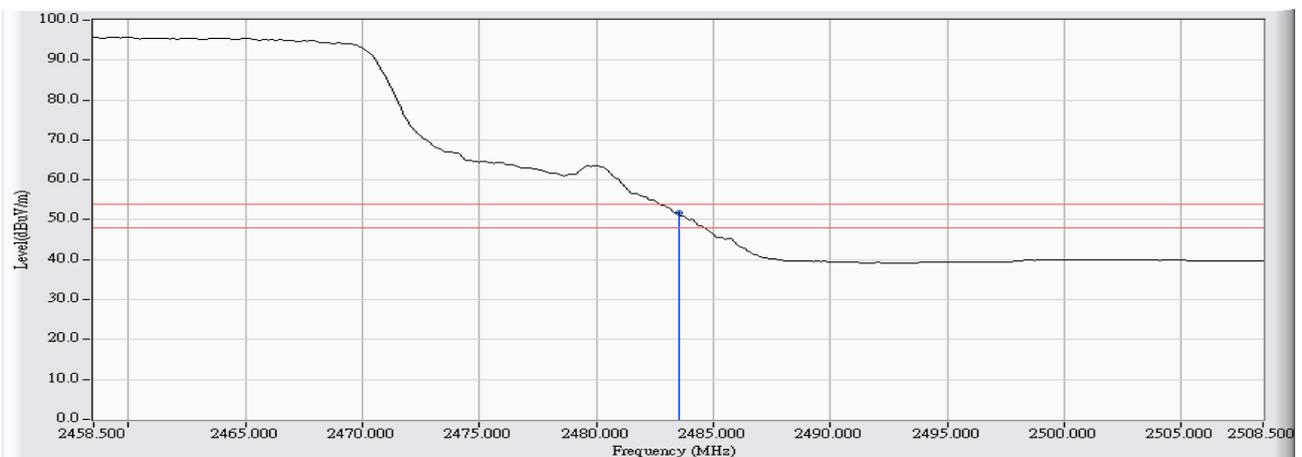
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2483.500	-1.937	72.301	70.364	74.00	54.00	Pass
11(Average)	2483.500	-1.937	53.561	51.624	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

**Figure Channel 11: Horizontal (Average)**



Note: RBW=1MHz, VBW=300Hz, Sweep=500ms

Product : Mobile Clinical Assistant C5  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080(2462MHz)

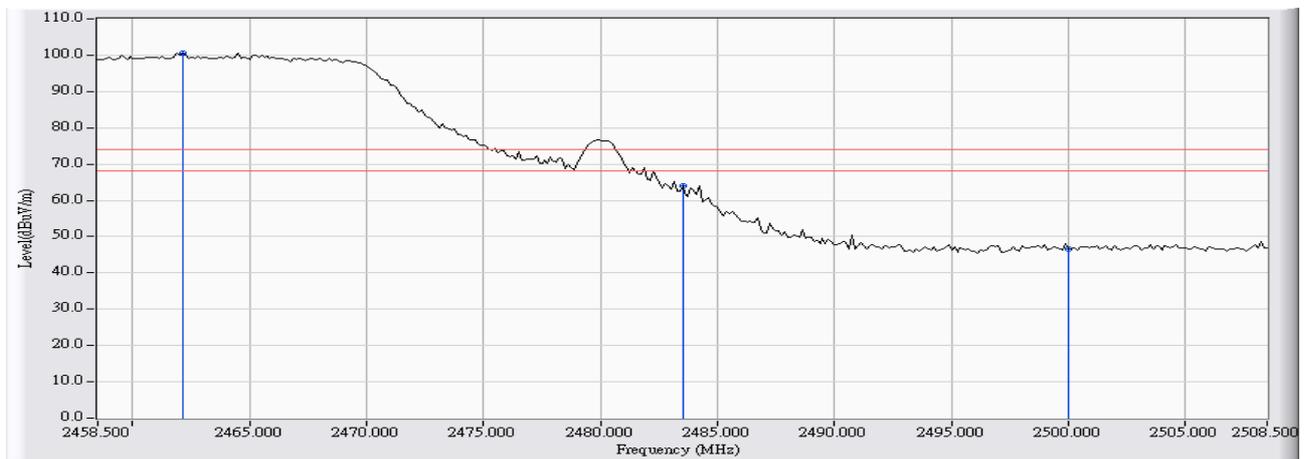
**RF Radiated Measurement:**

Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
11 (Vertical)	>2483.5	>20	Pass

**RF Radiated Measurement (Vertical):**

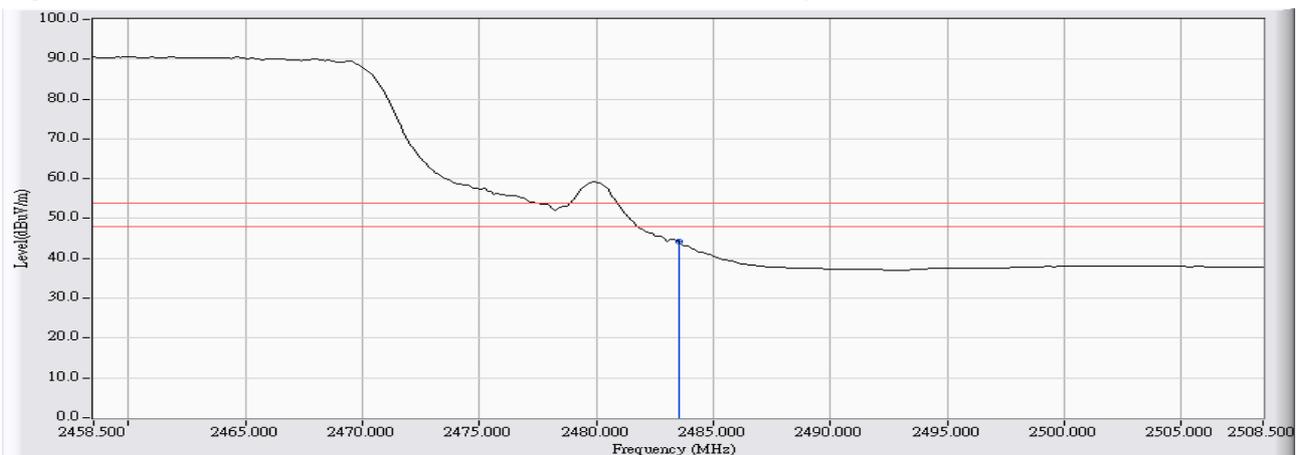
Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2483.500	-1.937	65.937	64.000	74.00	54.00	Pass
11(Average)	2483.500	-1.937	46.159	44.222	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak)**



Note: RBW=1MHz, VBW=1MHz, Sweep=500ms

**Figure Channel 11: Vertical (Average)**



Note: RBW=1MHz, VBW=300Hz, Sweep=500ms

Note: The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

## 6. Occupied Bandwidth

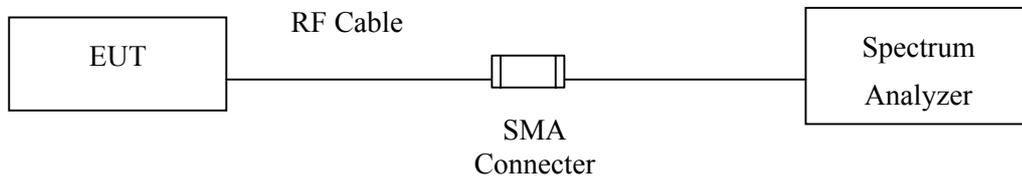
### 6.1. Test Equipment

The following test equipments are used during the radiated emission tests:

Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2007

- Note:
1. All equipments are calibrated every one year.
  2. The test instruments marked by “X” are used to measure the final test results.

### 6.2. Test Setup



### 6.3. Limits

The minimum bandwidth shall be at least 500kHz.

### 6.4. Uncertainty

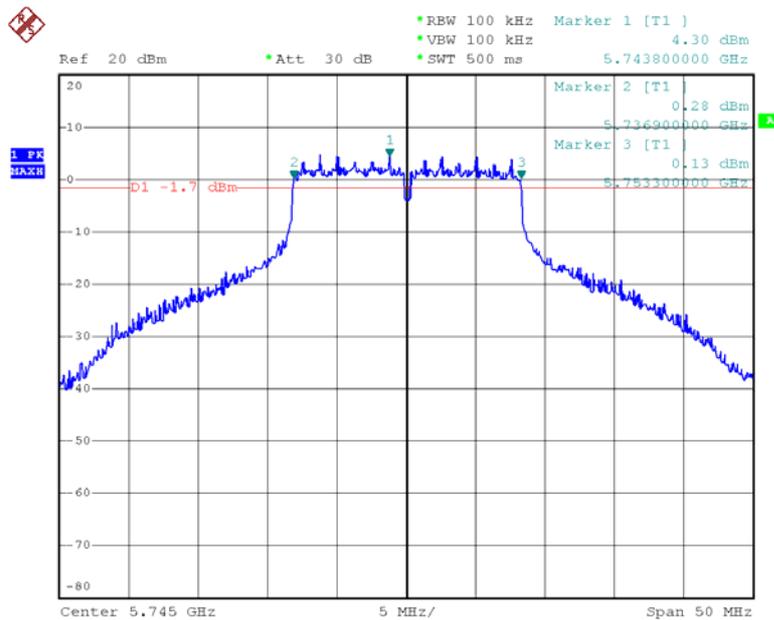
± 150Hz

### 6.5. Test Result of Occupied Bandwidth

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (6Mbps)	5745.00	16400	>500	Pass

**Figure Channel 1:**



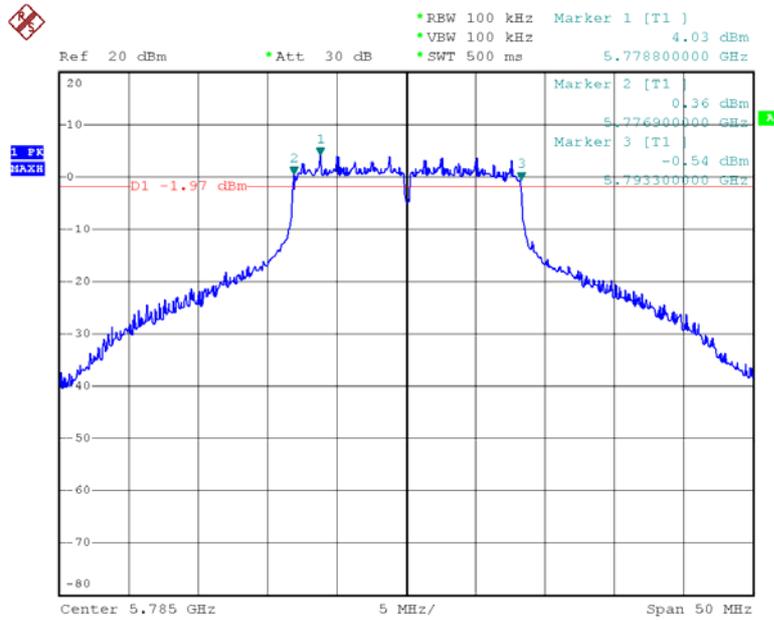
PN1

Date: 14.MAY.2007 13:06:10

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3 (6Mbps)	5785.00	16400	>500	Pass

**Figure Channel 3:**



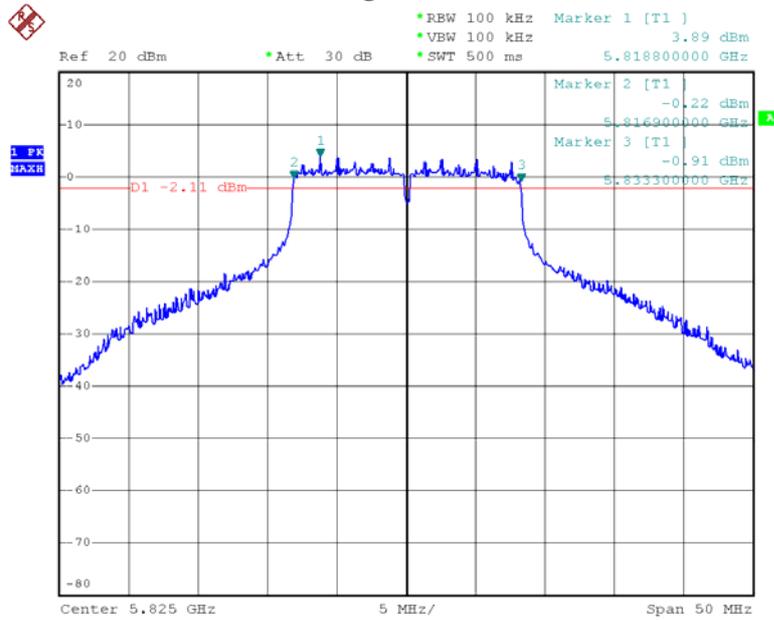
PN1

Date: 14.MAY.2007 13:08:10

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
5 (6Mbps)	5825.00	16400	>500	Pass

**Figure Channel 5:**

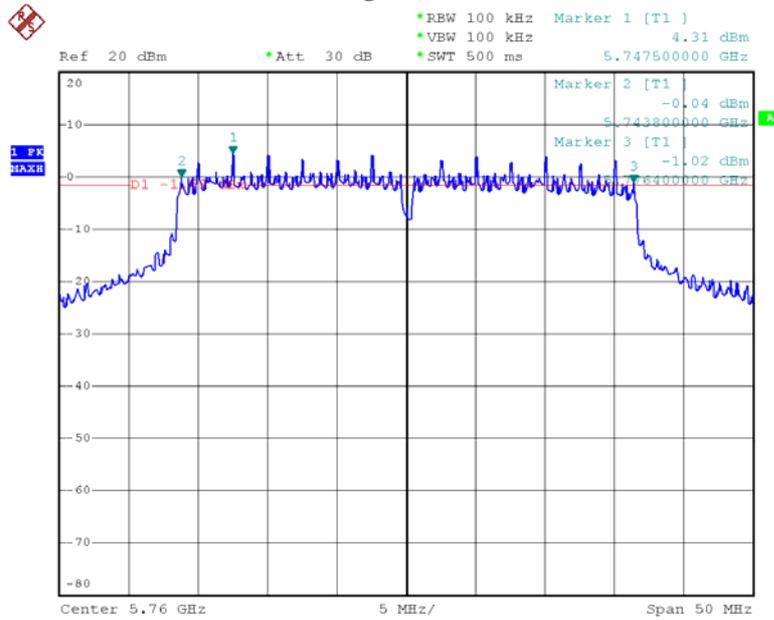


PN1  
 Date: 14.MAY.2007 13:48:12

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (5760MHz) (Turbo Mode)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (12Mbps)	5760.00	32600	>500	Pass

**Figure Channel 1:**

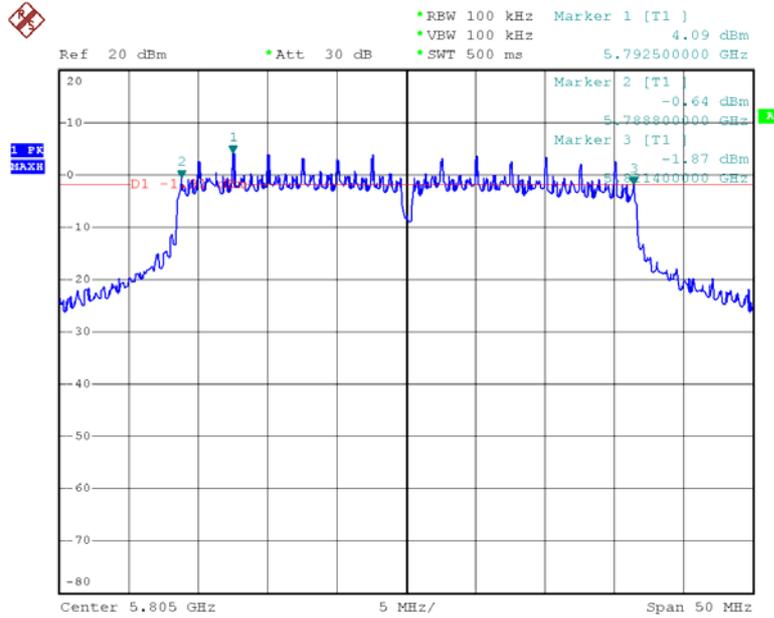


PN1  
 Date: 14.MAY.2007 13:00:44

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (5805MHz) (Turbo Mode)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
2 (12Mbps)	5805.00	32600	>500	Pass

**Figure Channel 2:**

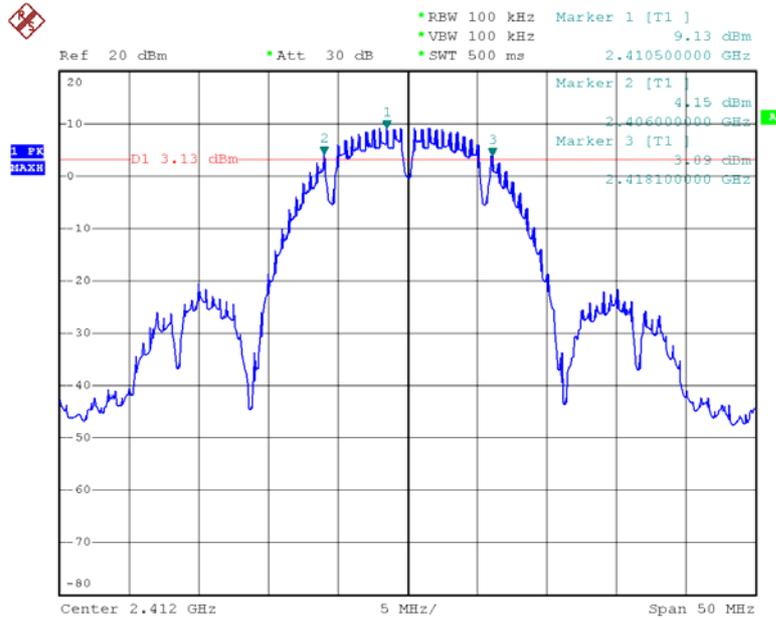


PN1  
 Date: 14.MAY.2007 13:03:52

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (1Mbps)	2412.00	12100	>500	Pass

**Figure Channel 1:**

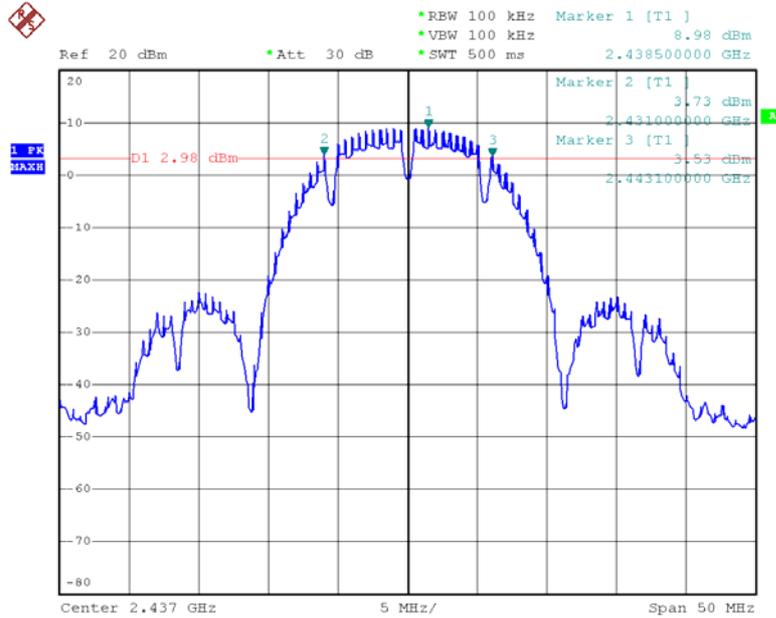


PN1  
 Date: 14.MAY.2007 13:50:39

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (1Mbps)	2437.00	12100	>500	Pass

**Figure Channel 6:**

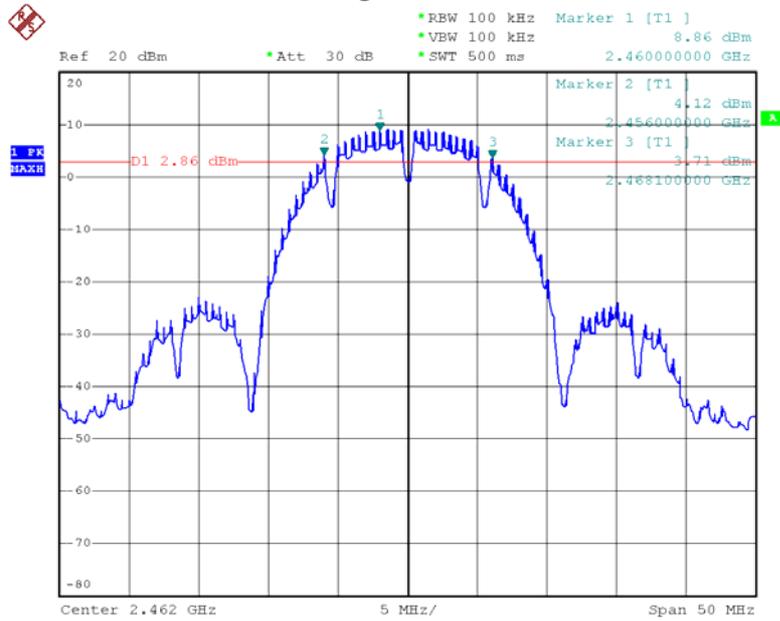


PN1  
 Date: 14.MAY.2007 13:52:02

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (1Mbps)	2462.00	12100	>500	Pass

Figure Channel 11:

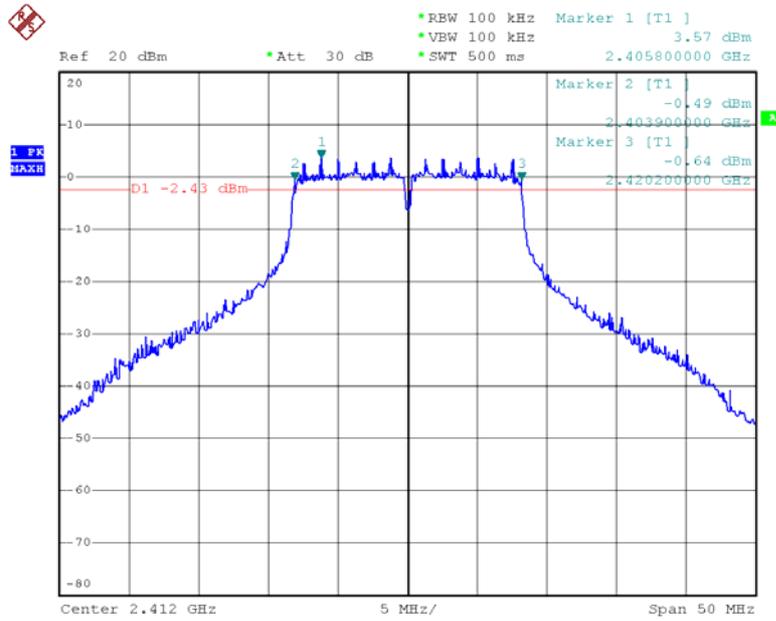


PN1  
 Date: 14.MAY.2007 13:53:07

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (6Mbps)	2412.00	16300	>500	Pass

**Figure Channel 1:**



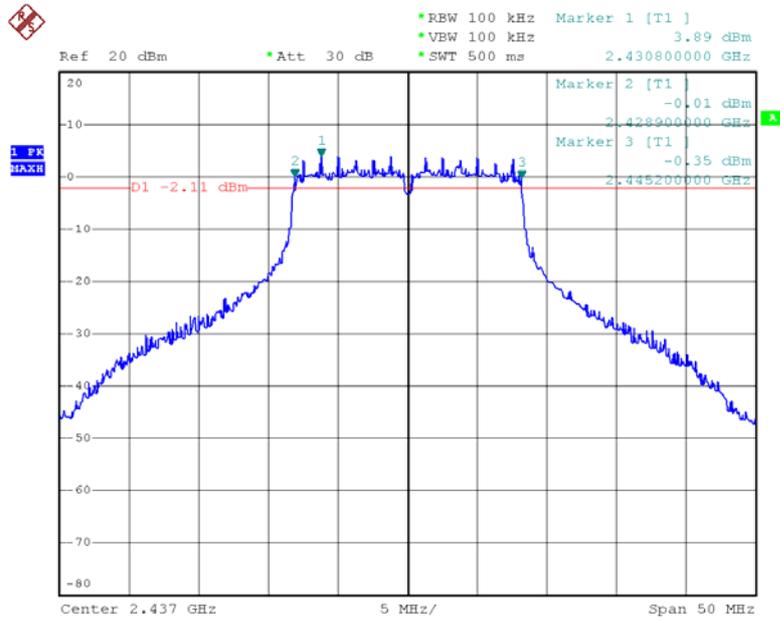
PN1

Date: 14.MAY.2007 13:55:05

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (6Mbps)	2437.00	16300	>500	Pass

Figure Channel 6:

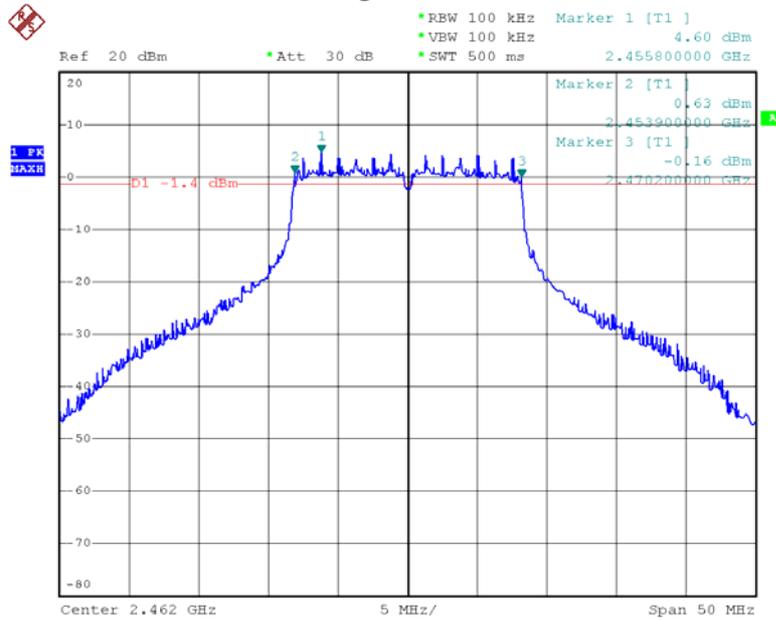


PN1  
 Date: 14.MAY.2007 13:56:26

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (6Mbps)	2462.00	16300	>500	Pass

**Figure Channel 11:**

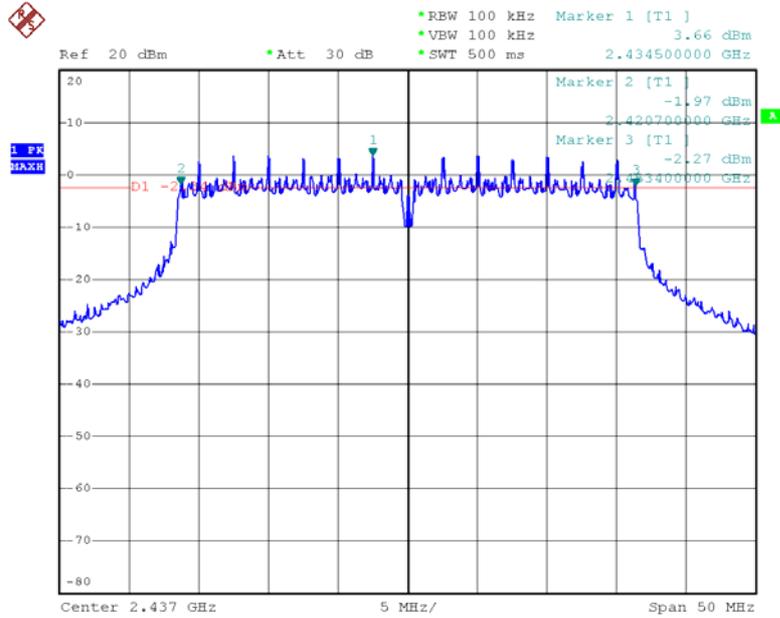


PN1  
 Date: 14.MAY.2007 13:57:45

Product : Mobile Clinical Assistant C5  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz) (Turbo Mode)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (12Mbps)	2437.00	12700	>500	Pass

**Figure Channel 1:**



PN1  
 Date: 14.MAY.2007 14:00:01

## 7. Power Density

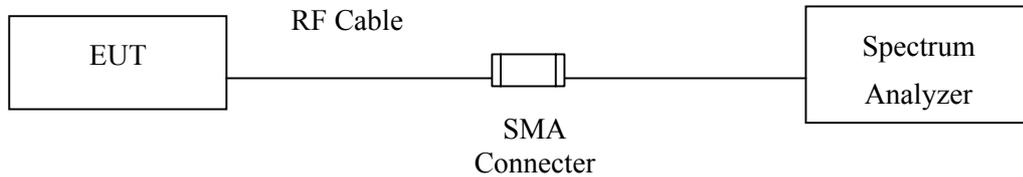
### 7.1. Test Equipment

The following test equipments are used during the radiated emission tests:

Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2007

- Note:
1. All equipments are calibrated every one year.
  2. The test instruments marked by “X” are used to measure the final test results.

### 7.2. Test Setup



### 7.3. Limits

The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater 8dBm in any 3kHz band during any time interval of continuous transmission.

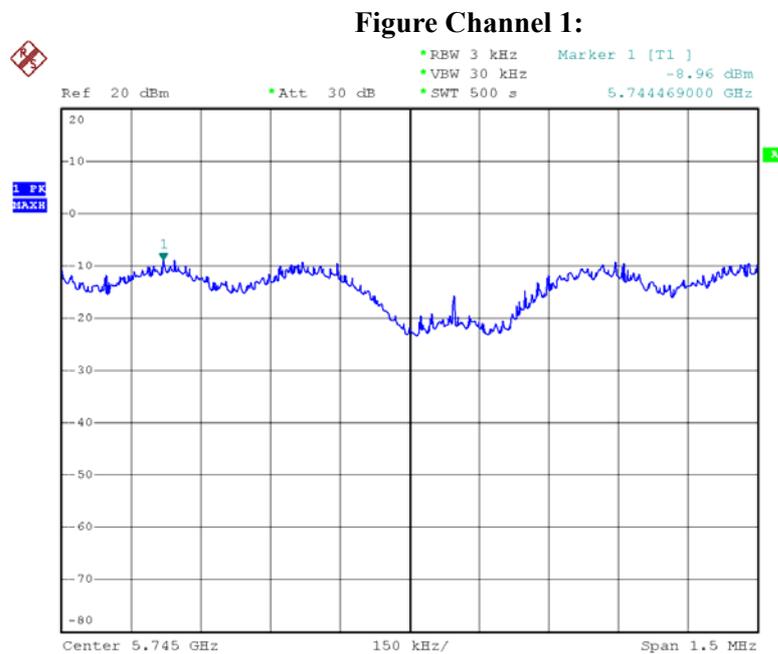
### 7.4. Uncertainty

± 1.27 dB

### 7.5. Test Result of Power Density

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5745MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (6Mbps)	5745	-8.96	< 8dBm	Pass

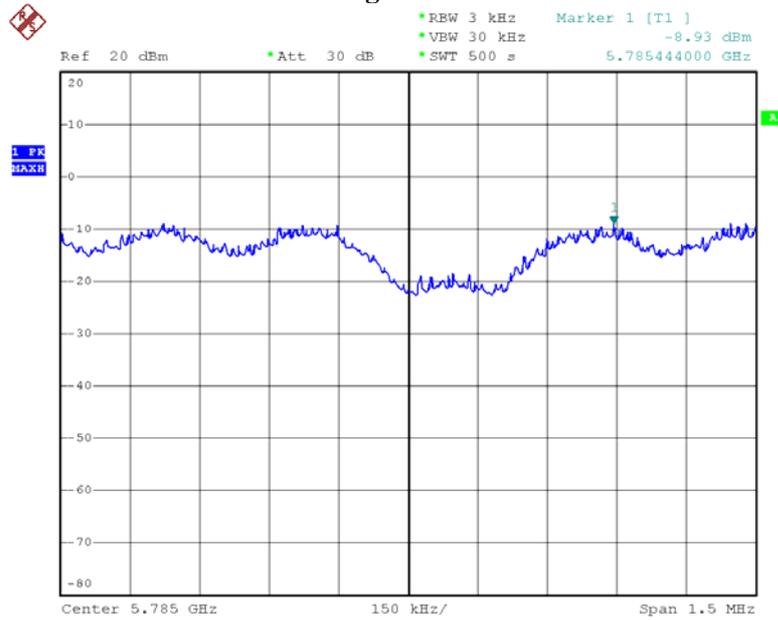


PN1  
 Date: 14.MAY.2007 12:25:35

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
3 (6Mbps)	5785	-8.93	< 8dBm	Pass

**Figure Channel 3:**

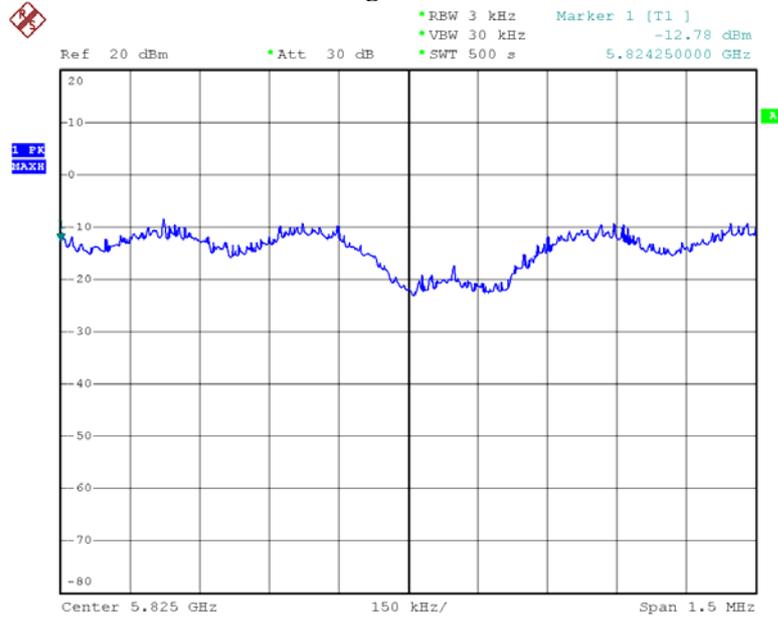


PN1  
 Date: 14.MAY.2007 12:27:53

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
5 (6Mbps)	5825	-12.78	< 8dBm	Pass

**Figure Channel 5:**

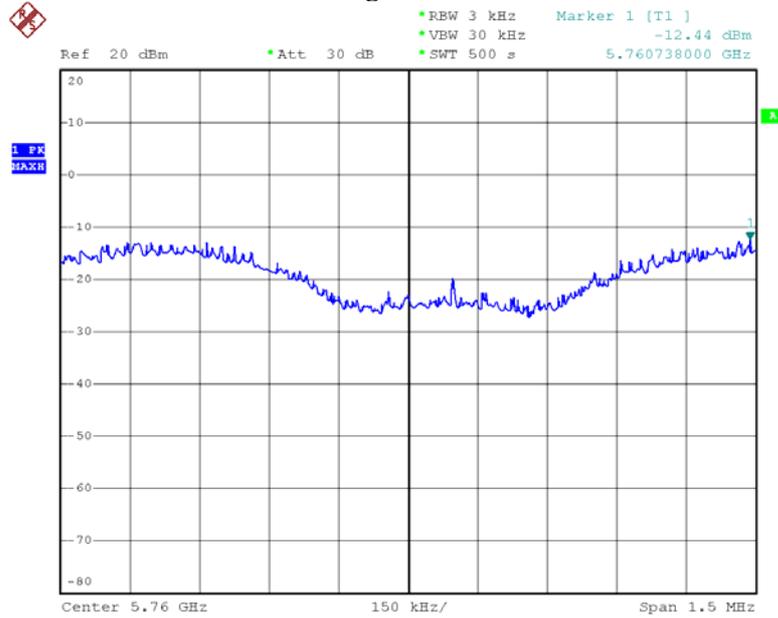


PN1  
 Date: 14.MAY.2007 12:31:36

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5760MHz) (Turbo Mode)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
1 (12Mbps)	5760	-12.44	< 8dBm	Pass

**Figure Channel 1:**

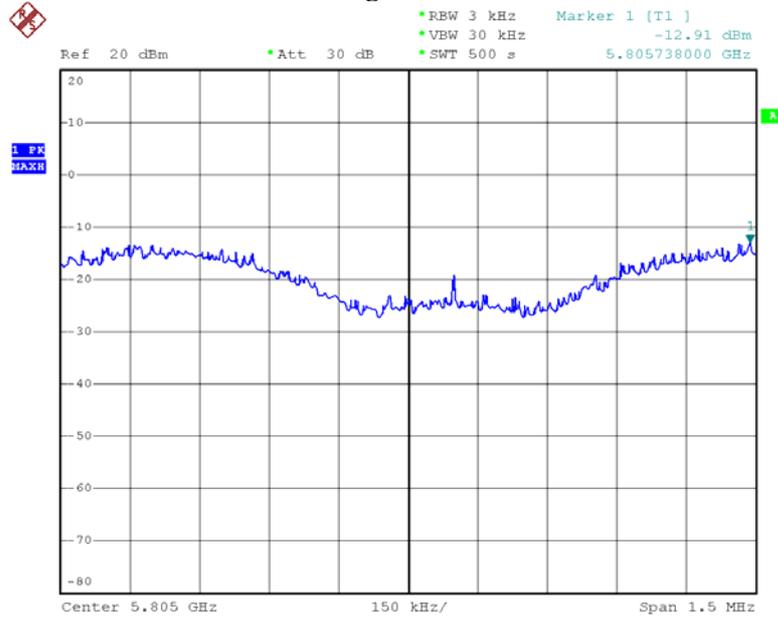


PN1  
 Date: 14.MAY.2007 12:36:51

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 1: Transmitter 802.11a-ASKEY:WLL4080 (5805MHz) (Turbo Mode)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
2 (12Mbps)	5805	-12.91	< 8dBm	Pass

**Figure Channel 2:**

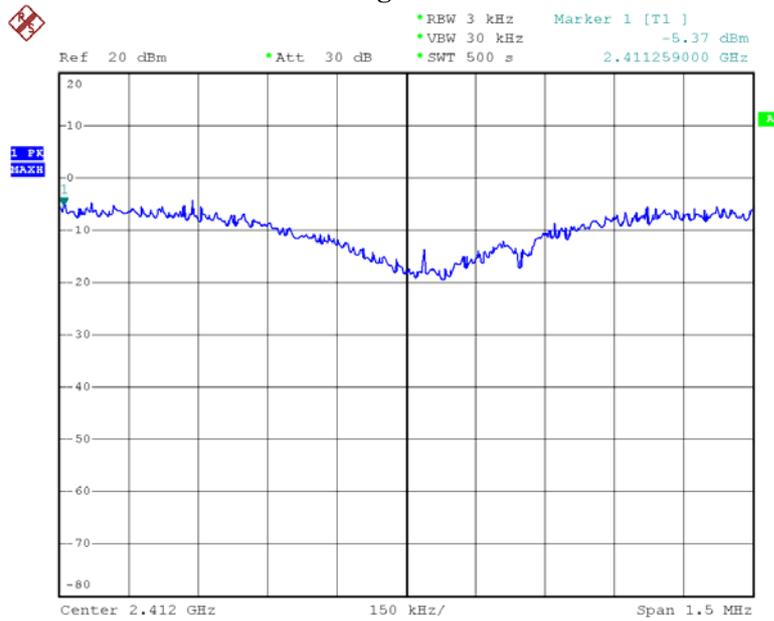


PN1  
 Date: 14.MAY.2007 12:38:50

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (1Mbps)	2412	-5.37	< 8dBm	Pass

**Figure Channel 1:**



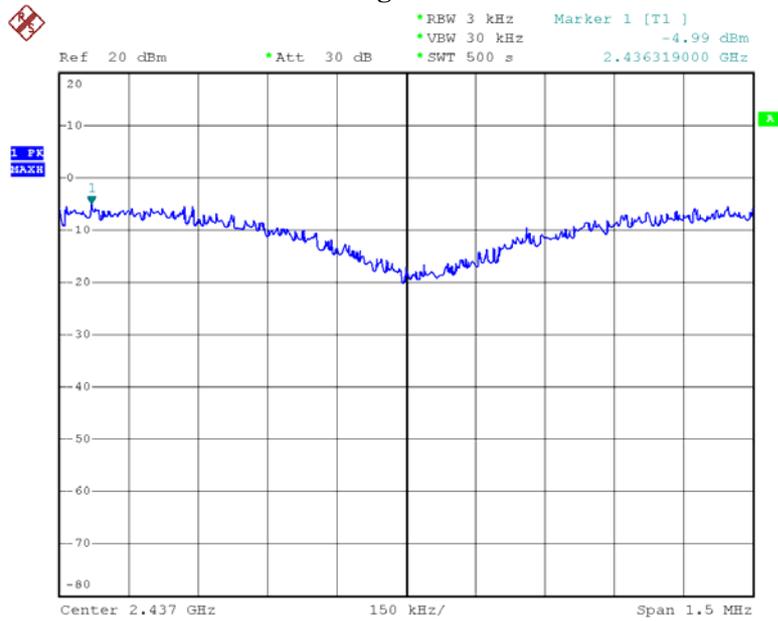
PN1

Date: 14.MAY.2007 11:26:05

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (1Mbps)	2437	-4.99	< 8dBm	Pass

**Figure Channel 6:**



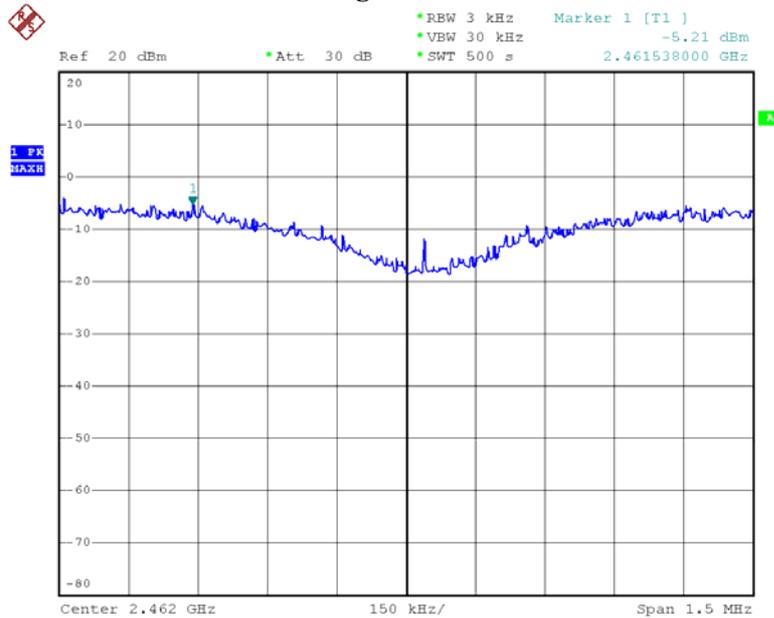
PN1

Date: 14.MAY.2007 11:27:40

Product : Mobile Clinical Assistant C5  
 Test Item : Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter 802.11b-ASKEY:WLL4080 (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (1Mbps)	2462	-5.21	< 8dBm	Pass

**Figure Channel 11:**



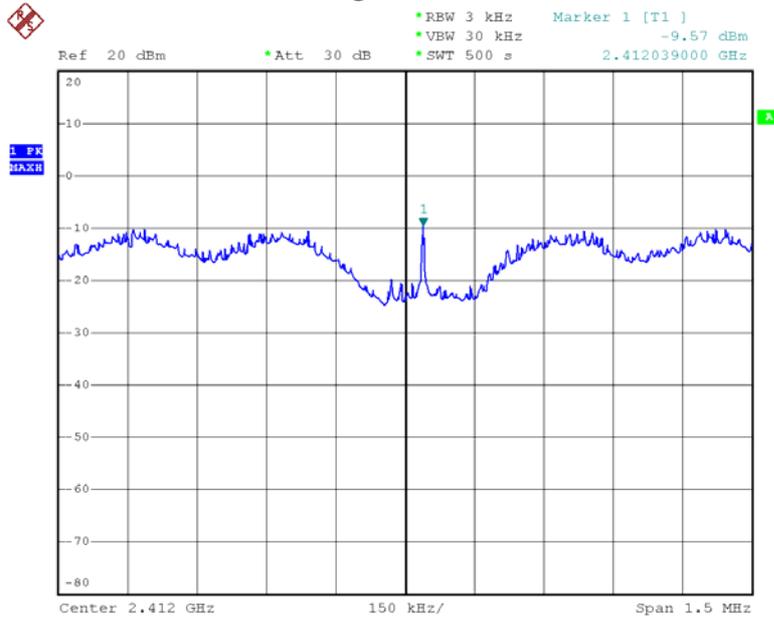
PN1

Date: 14.MAY.2007 11:29:02

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (6Mbps)	2412	-9.57	< 8dBm	Pass

**Figure Channel 1:**

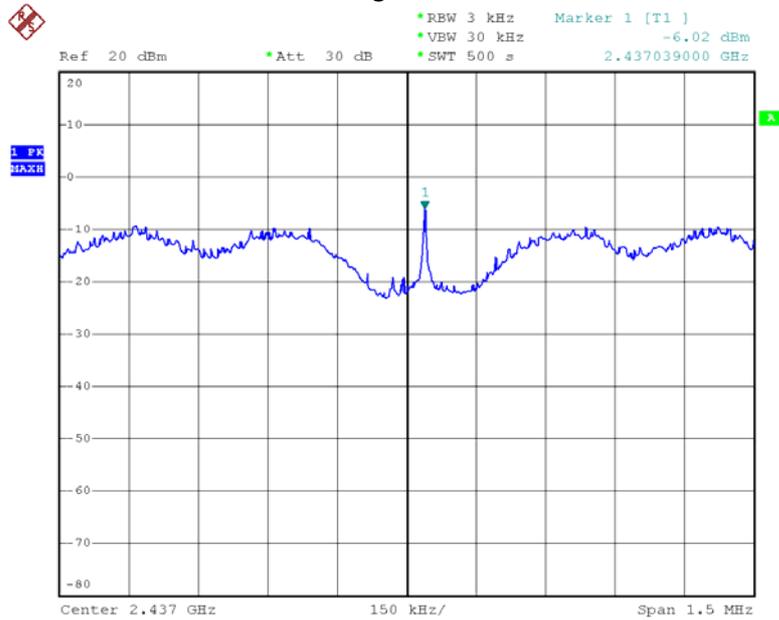


PN1  
 Date: 14.MAY.2007 11:30:53

Product : Mobile Clinical Assistant C5  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (6Mbps)	2437	-6.02	< 8dBm	Pass

Figure Channel 6:

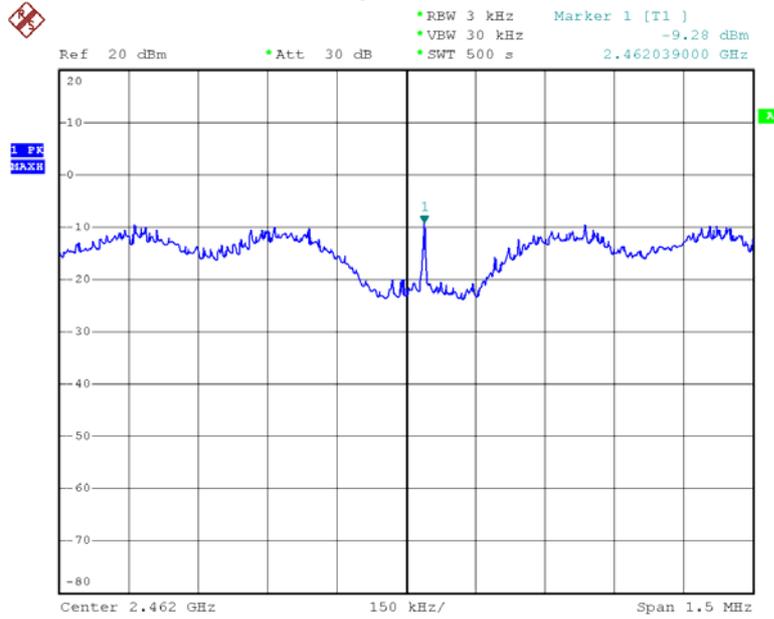


PN1  
 Date: 14.MAY.2007 12:04:59

Product : Mobile Clinical Assistant C5  
 Test Item : Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (6Mbps)	2462	-9.28	< 8dBm	Pass

**Figure Channel 11:**

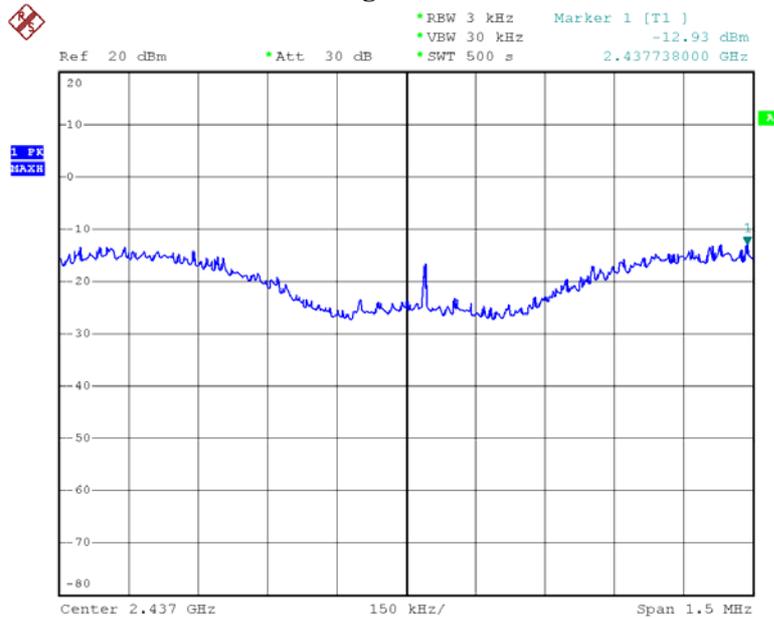


PN1  
 Date: 14.MAY.2007 12:07:35

Product : Mobile Clinical Assistant C5  
 Test Item : Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter 802.11g-ASKEY:WLL4080 (2437MHz) (Turbo Mode)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
1 (12Mbps)	2437	-12.93	< 8dBm	Pass

**Figure Channel 1:**



PN1  
 Date: 14.MAY.2007 12:11:14

## 8. EMI Reduction Method During Compliance Testing

No modification was made during testing.