



Test Report

Product Name	Table PC
Model No.	T22X (X=0~9, A~Z)
FCC ID	R4RAIRT22XQXKN2

Applicant	AMTEK SYSTEM CO., LTD.
Address	14F-11, No.79, Sec.1, Hsin Tai Wu Rd., His Chih City, Taipei Hsien, Taiwan

Date of Receipt	Oct. 23, 2007
Issued Date	Nov. 28, 2007
Report No.	07A323R-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: Nov. 28, 2007

Report No.: 07A323R-RFUSP05V01



Accredited by NIST (NVLAP)

NVLAP Lab Code: 200347-0

Product Name	Table PC
Applicant	AMTEK SYSTEM CO., LTD.
Address	14F-11, No.79, Sec.1, Hsin Tai Wu Rd., His Chih City, Taipei Hsien, Taiwan
Manufacturer	Shandong Dong Hsin Electronics Co., Ltd.
Model No.	T22X (X=0~9, A~Z)
Rated Voltage	AC 120V/60Hz
Working Voltage	AC 120V/60Hz
Trade Name	iTablet
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2006 ANSI C63.4: 2003
Test Result	Complied



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TABLE OF CONTENTS

Description	Page
1. GENERAL INFORMATION	5
1.1. EUT Description.....	5
1.2. Operational Description	7
1.3. Tested System Details.....	8
1.4. Configuration of Test System.....	8
1.5. EUT Exercise Software	8
1.6. Test Facility	9
2. Conducted Emission.....	10
2.1. Test Equipment.....	10
2.2. Test Setup	10
2.3. Limits	10
2.4. Test Procedure	11
2.5. Uncertainty	11
2.6. Test Result of Conducted Emission.....	12
3. Peak Power Output	20
3.1. Test Equipment.....	20
3.2. Test Setup	20
3.3. Limits	20
3.4. Test Procedure	20
3.5. Uncertainty	20
3.6. Test Result of Peak Power Output.....	21
4. Radiated Emission.....	25
4.1. Test Equipment.....	25
4.2. Test Setup	26
4.3. Limits	27
4.4. Test Procedure	28
4.5. Uncertainty	28
4.6. Test Result of Radiated Emission.....	29
5. Band Edge	45
5.1. Test Equipment.....	45
5.2. Test Setup	45
5.3. Limits	45
5.4. Test Procedure	46
5.5. Uncertainty	46
5.6. Test Result of Band Edge	47
6. Occupied Bandwidth.....	69
6.1. Test Equipment.....	69
6.2. Test Setup	69
6.3. Limits	69
6.4. Test Procedure	69
6.5. Uncertainty	69
6.6. Test Result of Occupied Bandwidth	70

7.	Power Density	82
7.1.	Test Equipment.....	82
7.2.	Test Setup	82
7.3.	Limits	82
7.4.	Test Procedure	82
7.5.	Uncertainty	82
7.6.	Test Result of Power Density	83
8.	EMI Reduction Method During Compliance Testing	95

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Table PC
Trade Name	iTablet
Model No.	T22X (X=0~9, A~Z)
FCC ID.	R4RAIRT22XQXKN2
Frequency Range	2412-2462MHz
Number of Channels	802.11b/g/n: 13, -40MHz: 7
Data Speed	802.11b: 11Mbps, 802.11g: 54Mbps, 802.11n: 130Mbps
Type of Modulation	DSSS/ OFDM
Antenna Interface	IFA
Antenna Connector Type	I-PEX
Antenna Gain	Refer to the table “Antenna List”
Channel Control	Auto
Power Adapter	MFR: LI SHIN, M/N: 0335A1965 Cable Out: Shielded, 1.8m with two ferrite cores bonded. Power Cord: Shielded, 1.8m

Antenna List

No.	Manufacturer	Part No.	Peak Gain
1	SLT Confidential	JPT2200702100 (Main) JPT2200701100 (Aux)	1.24 dBi for 2.4 GHz

802.11b/g/n-20MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz	Channel 12:	2467 MHz
Channel 13:	2472 MHz						

802.11n-40MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2422 MHz	Channel 02:	2427 MHz	Channel 03:	2432 MHz	Channel 04:	2437 MHz
Channel 05:	2442 MHz	Channel 06:	2447 MHz	Channel 07:	2452 MHz		

Note:

1. The EUT is a Table PC with a built-in 2.4GHz WLAN 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 11Mbps 、802.11g is 54Mbps 、802.11n(20BW) is 65Mbps and 、802.11n(40BW) is 130Mbps)
4. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11b/g transmitter with Part 15 Subpart C Paragraph 15.247 of 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

The EUT is a Table PC with a built-in 2.4GHz WLAN transceiver. The WLAN is 11 channels in 2412 – 2462MHz. The channels are separated by 5MHz. This device supports the data rates of 1, 2, 5.5, 11Mbps in 802.11b mode 、 6, 9, 12, 18, 24, 36, 48, 54Mbps in 802.11g mode 、 6.5,13,19.5,26,39,52,58.5,65Mbps in 802.11n(20BW) mode and 13,26,39,52,78,104,117,130 Mbps. The signals are modulated by DSSS in 802.11b mode and OFDM in 802.11g/n mode. The antenna type is IFA .

Test Mode	Mode 1: Transmitter (802.11b 11Mbps)
	Mode 2: Transmitter (802.11g 54Mbps)
	Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW)
	Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW)

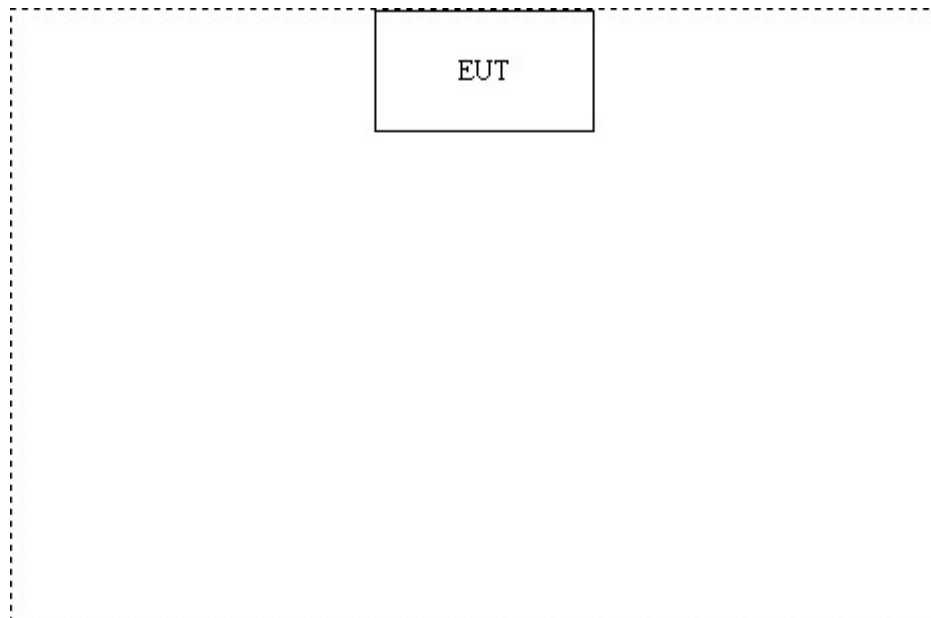
1.3. Tested System Details

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)	N/A	N/A	N/A	N/A	N/A

	Signal Cable Type	Signal cable Description
A	N/A	N/A

1.4. Configuration of Test System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in section 1.3
- (2) Execute the “RT2860QA.EXE“ program (the continuous transmission program) on the EUT
- (3) Setup the test mode, the test channel, and the data rate.
- (4) Press OK to start the transmission.
- (5) Verify that the EUT works correctly.

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
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 365520



Accredited by CNLA
Accreditation Number: 1313
Effective through: September 27, 2007

Accredited by NVLAP
NVLAP Lab Code: 200347-0
Effective through: September 30, 2007



Site Name: Quietek Corporation
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Taiwan, R.O.C.
TEL : 886-3-592-8858 / FAX : 886-3-592-8859
E-Mail : service@quietek.com

FCC Accreditation Number: TW1013



2. Conducted Emission

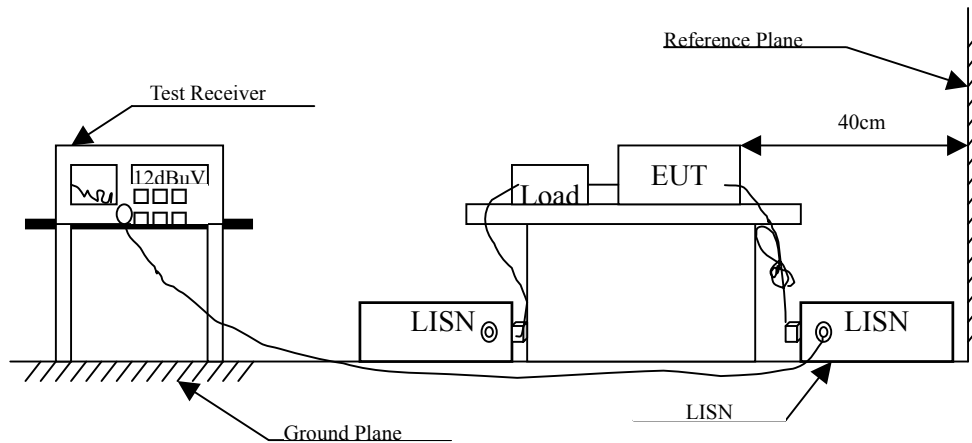
2.1. Test Equipment

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 30/825442/014	Feb., 2007	
2	L.I.S.N.	R & S	ESH3-Z5/825562/002	Feb., 2007	EUT
3	L.I.S.N.	R & S	ENV4200/848411/010	Feb., 2007	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2/100410	July, 2007	
5	No.1 Shielded Room			N/A	

Note: All instruments 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	AVG
0.15 - 0.50	66-56 _(註)	56-46 _(註)
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 refer 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 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.

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

2.5. Uncertainty

± 2.26 dB

2.6. Test Result of Conducted Emission

Product : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 1					
Quasi-Peak					
0.201	0.643	45.510	46.153	-18.390	64.543
0.322	0.300	27.430	27.730	-33.356	61.086
0.498	0.300	28.710	29.010	-27.047	56.057
0.822	0.310	18.110	18.420	-37.580	56.000
3.337	0.380	26.480	26.860	-29.140	56.000
16.166	1.020	25.270	26.290	-33.710	60.000
Average					
0.201	0.643	32.980	33.623	-20.920	54.543
0.322	0.300	17.370	17.670	-33.416	51.086
0.498	0.300	10.750	11.050	-35.007	46.057
0.822	0.310	2.570	2.880	-43.120	46.000
3.337	0.380	13.700	14.080	-31.920	46.000
16.166	1.020	23.550	24.570	-25.430	50.000

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 : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
Line 2					
Quasi-Peak					
0.201	0.300	45.740	46.040	-18.503	64.543
0.322	0.300	27.810	28.110	-32.976	61.086
0.459	0.310	31.380	31.690	-25.481	57.171
0.927	0.320	29.470	29.790	-26.210	56.000
1.724	0.340	19.700	20.040	-35.960	56.000
3.091	0.380	28.180	28.560	-27.440	56.000
Average					
0.201	0.300	33.610	33.910	-20.633	54.543
0.322	0.300	16.550	16.850	-34.236	51.086
0.459	0.310	29.630	29.940	-17.231	47.171
0.927	0.320	9.630	9.950	-36.050	46.000
1.724	0.340	3.500	3.840	-42.160	46.000
3.091	0.380	17.410	17.790	-28.210	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 : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
Line 1					
Quasi-Peak					
0.201	0.643	46.910	47.553	-16.990	64.543
0.263	0.314	36.130	36.444	-26.327	62.771
0.459	0.300	28.000	28.300	-28.871	57.171
2.767	0.360	22.390	22.750	-33.250	56.000
4.185	0.402	24.140	24.542	-31.458	56.000
16.228	1.020	33.590	34.610	-25.390	60.000
Average					
0.201	0.643	36.100	36.743	-17.800	54.543
0.263	0.314	24.750	25.064	-27.707	52.771
0.459	0.300	15.250	15.550	-31.621	47.171
2.767	0.360	4.220	4.580	-41.420	46.000
4.185	0.402	12.310	12.712	-33.288	46.000
16.228	1.020	32.570	33.590	-16.410	50.000

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 : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
Line 2					
Quasi-Peak					
0.181	0.300	31.420	31.720	-33.394	65.114
0.463	0.310	31.070	31.380	-25.677	57.057
0.927	0.320	27.970	28.290	-27.710	56.000
1.521	0.339	25.020	25.359	-30.641	56.000
3.107	0.380	28.550	28.930	-27.070	56.000
16.228	0.900	32.770	33.670	-26.330	60.000
Average					
0.181	0.300	16.930	17.230	-37.884	55.114
0.463	0.310	29.160	29.470	-17.587	47.057
0.927	0.320	22.720	23.040	-22.960	46.000
1.521	0.339	20.980	21.319	-24.681	46.000
3.107	0.380	18.770	19.150	-26.850	46.000
16.228	0.900	32.220	33.120	-16.880	50.000

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 : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
Line 1					
Quasi-Peak					
0.263	0.314	35.400	35.714	-27.057	62.771
0.459	0.300	29.220	29.520	-27.651	57.171
1.459	0.330	21.680	22.010	-33.990	56.000
1.994	0.340	21.590	21.930	-34.070	56.000
3.267	0.380	24.650	25.030	-30.970	56.000
7.724	0.520	19.360	19.880	-40.120	60.000
Average					
0.263	0.314	26.420	26.734	-26.037	52.771
0.459	0.300	14.800	15.100	-32.071	47.171
1.459	0.330	6.310	6.640	-39.360	46.000
1.994	0.340	4.020	4.360	-41.640	46.000
3.267	0.380	5.330	5.710	-40.290	46.000
7.724	0.520	9.850	10.370	-39.630	50.000

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 : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
Line 2					
Quasi-Peak					
0.197	0.300	43.950	44.250	-20.407	64.657
0.259	0.300	30.120	30.420	-32.466	62.886
0.537	0.310	27.540	27.850	-28.150	56.000
0.873	0.320	18.350	18.670	-37.330	56.000
3.154	0.380	23.570	23.950	-32.050	56.000
16.228	0.900	32.900	33.800	-26.200	60.000
Average					
0.197	0.300	31.810	32.110	-22.547	54.657
0.259	0.300	15.920	16.220	-36.666	52.886
0.537	0.310	25.990	26.300	-19.700	46.000
0.873	0.320	4.610	4.930	-41.070	46.000
3.154	0.380	11.300	11.680	-34.320	46.000
16.228	0.900	32.080	32.980	-17.020	50.000

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 : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
Line 1					
Quasi-Peak					
0.201	0.643	43.470	44.113	-20.430	64.543
0.463	0.300	30.130	30.430	-26.627	57.057
0.923	0.310	23.540	23.850	-32.150	56.000
1.716	0.335	24.020	24.355	-31.645	56.000
3.103	0.370	29.430	29.800	-26.200	56.000
16.228	1.020	32.230	33.250	-26.750	60.000
Average					
0.201	0.643	32.180	32.823	-21.720	54.543
0.463	0.300	28.360	28.660	-18.397	47.057
0.923	0.310	20.490	20.800	-25.200	46.000
1.716	0.335	19.960	20.295	-25.705	46.000
3.103	0.370	19.940	20.310	-25.690	46.000
16.228	1.020	31.780	32.800	-17.200	50.000

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 : Table PC
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
Line 2					
Quasi-Peak					
0.201	0.300	43.730	44.030	-20.513	64.543
0.263	0.300	36.940	37.240	-25.531	62.771
0.513	0.310	27.220	27.530	-28.470	56.000
0.923	0.320	23.600	23.920	-32.080	56.000
3.431	0.380	28.250	28.630	-27.370	56.000
16.228	0.900	30.360	31.260	-28.740	60.000
Average					
0.201	0.300	32.320	32.620	-21.923	54.543
0.263	0.300	27.590	27.890	-24.881	52.771
0.513	0.310	12.280	12.590	-33.410	46.000
0.923	0.320	20.550	20.870	-25.130	46.000
3.431	0.380	19.000	19.380	-26.620	46.000
16.228	0.900	29.660	30.560	-19.440	50.000

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

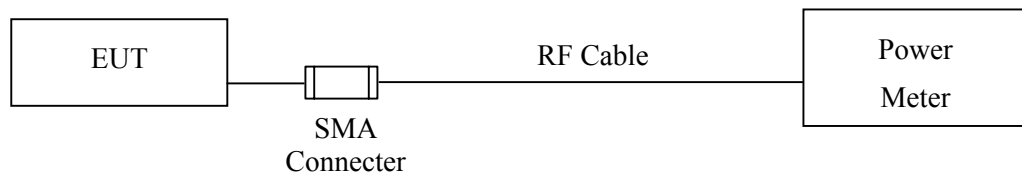
The following test equipments are used during the radiated emission tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2007
X	Power Sensor	Anritsu	MA2491A/034457	May, 2007

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

3.2. Test Setup

Conducted Measurement



3.3. Limits

The maximum peak power shall be less 1 Watt.

3.4. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

3.5. Uncertainty

± 1.27 dB

3.6. Test Result of Peak Power Output

Product : Table PC
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps)

Data Speed: 11Mbps

Peak Power Output						
Channel No.	Frequency (MHz)	Data Rate				Required Limit
		1	2	5.5	11	
1	2412.00				19.41	1 Watt= 30 dBm
6	2437.00	19.15	19.32	19.35	19.42	1 Watt= 30 dBm
11	2462.00				19.03	1 Watt= 30 dBm

Product : Table PC
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps)

Data Speed: 54Mbps

Peak Power Output										
Channel No.	Frequency (MHz)	Data Rate								Required Limit
		6	9	12	18	24	36	48	54	
1	2412.00								21.65	1 Watt= 30 dBm
6	2437.00	20.69	20.55	21.08	21.42	21.36	21.4	21.58	21.65	1 Watt= 30 dBm
11	2462.00								20.79	1 Watt= 30 dBm

Product : Table PC
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW)

Data Speed: 65Mbps

Peak Power Output										
Channel No.	Frequency (MHz)	Data Rate								Required Limit
		6.5	13	19.5	26	39	52	58.5	65	
1	2412.00								19.6	1 Watt= 30 dBm
6	2437.00	19.4	19.35	19.58	19.51	19.62	19.58	19.6	19.78	1 Watt= 30 dBm
11	2462.00								19.3	1 Watt= 30 dBm

Product : Table PC
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW)

Data Speed: 130Mbps

Peak Power Output										
Channel No.	Frequency (MHz)	Data Rate								Required Limit
		13	26	39	52	78	104	117	130	
1	2422.00								19.66	1 Watt= 30 dBm
4	2437.00	19.25	19.35	19.38	19.44	19.57	19.6	19.75	19.81	1 Watt= 30 dBm
7	2452.00								19.38	1 Watt= 30 dBm

4. Radiated Emission

4.1. Test Equipment

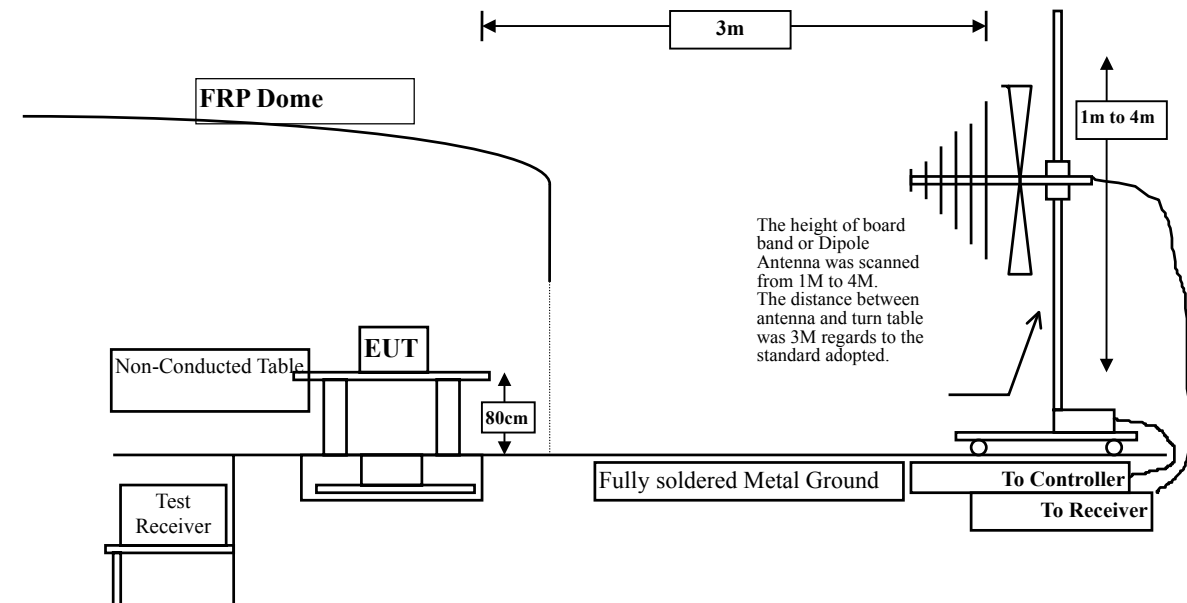
The following test equipment are used during the radiated emission test:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ Site # 3	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2007
	X	Pre-Amplifier	HP	8447D/2944A09549	Sep., 2007
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2007
	X	Spectrum Analyzer	Advantest	R3162/91700283	Oct., 2007
	X	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2007
	X	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

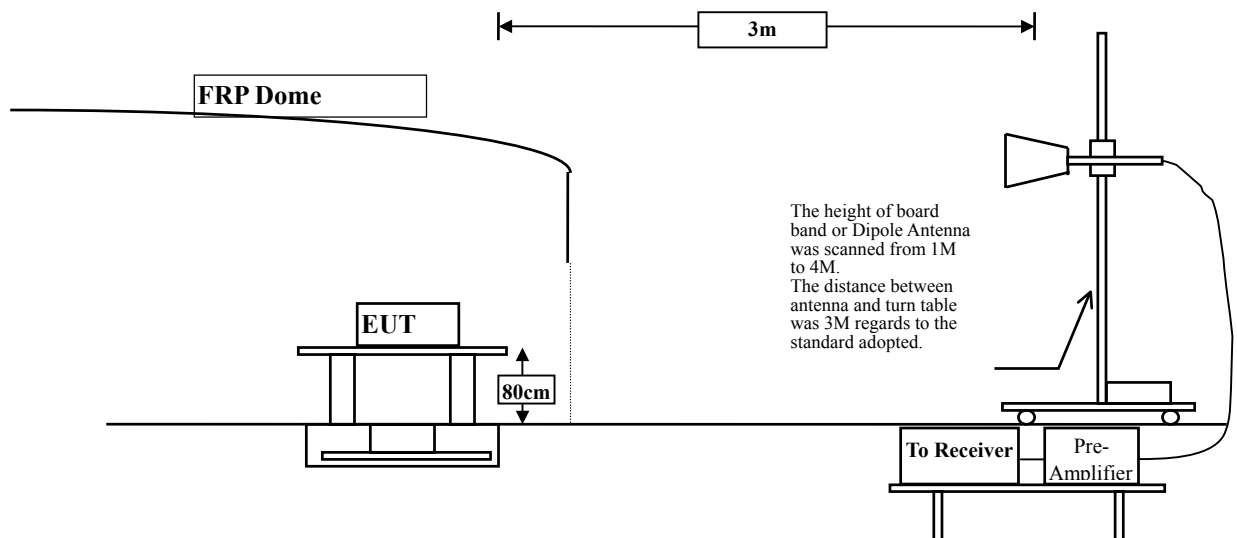
- Note:
1. All instruments are calibrated every one year.
 2. The test instruments marked by "X" are used to measure the final test results.

4.2. Test Setup

Below 1GHz



Above 1GHz



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.

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

4.5. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

4.6. Test Result of Radiated Emission

Product : Table PC
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	2.927	51.030	53.957	-20.043	74.000
7236.000	9.472	41.100	50.572	-23.428	74.000
9648.000	10.512	42.680	53.192	-20.808	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4824.000	2.927	51.650	54.577	-19.423	74.000
7236.000	9.472	44.860	54.332	-19.668	74.000
9648.000	10.512	42.580	53.092	-20.908	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.037	49.950	52.987	-21.013	74.000
7311.000	9.557	41.950	51.508	-22.492	74.000
9748.000	10.600	41.790	52.390	-21.610	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4874.000	3.037	52.030	55.067	-18.933	74.000
7311.000	9.557	43.150	52.708	-21.292	74.000
9748.000	10.600	42.380	52.980	-21.020	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	3.154	48.120	51.274	-22.726	74.000
7386.000	9.627	41.230	50.857	-23.143	74.000
9848.000	10.686	42.350	53.036	-20.964	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4924.000	3.154	52.210	55.364	-18.636	74.000
7386.000	9.627	39.670	49.297	-24.703	74.000
9848.000	10.686	44.130	54.816	-19.184	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.723	43.960	47.683	-26.317	74.000
7236.000	9.439	34.920	44.359	-29.641	74.000
9648.000	11.829	34.500	46.329	-27.671	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4824.000	3.723	46.450	50.173	-23.827	74.000
7236.000	9.439	34.580	44.019	-29.981	74.000
9648.000	11.829	34.100	45.929	-28.071	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.893	44.340	48.232	-25.768	74.000
7311.000	9.624	32.820	42.444	-31.556	74.000
9748.000	11.805	35.210	47.016	-26.984	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4874.000	3.893	45.120	49.012	-24.988	74.000
7311.000	9.624	34.100	43.724	-30.276	74.000
9748.000	11.805	35.410	47.216	-26.784	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4924.000	4.075	44.880	48.955	-25.045	74.000
7386.000	9.812	35.570	45.382	-28.618	74.000
9848.000	11.819	36.050	47.869	-26.131	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
2462.000	-1.920	38.040	36.120	-37.880	74.000
4924.000	4.075	36.010	40.085	-33.915	74.000
7386.000	9.812	33.920	43.732	-30.268	74.000
9848.000	11.819	35.260	47.079	-26.921	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.723	52.571	56.294	-17.706	74.000
7236.000	9.439	37.895	47.333	-26.667	74.000
9648.000	11.829	37.747	49.576	-24.424	74.000
Average					
Detector:					
4824.000	3.723	41.347	45.070	-8.930	54.000
Vertical					
Peak Detector:					
4824.000	3.723	54.074	57.797	-16.203	74.000
7236.000	9.439	38.332	47.770	-26.230	74.000
9648.000	11.829	37.295	49.124	-24.876	74.000
Average					
Detector:					
4824.000	3.723	46.072	49.795	-4.205	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.893	52.706	56.598	-17.402	74.000
7311.000	9.624	37.418	47.042	-26.958	74.000
9748.000	11.805	37.373	49.179	-24.821	74.000
Average					
Detector:					
4874.000	3.893	42.161	46.053	-7.947	54.000
Vertical					
Peak Detector:					
4874.000	3.893	52.967	56.859	-17.141	74.000
7311.000	9.624	38.189	47.813	-26.187	74.000
9748.000	11.805	38.594	50.400	-23.600	74.000
Average					
Detector:					
4874.000	3.893	42.109	46.001	-7.999	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	4.075	53.228	57.302	-16.698	74.000
7386.000	9.812	37.533	47.345	-26.655	74.000
9848.000	11.819	37.121	48.940	-25.060	74.000
Average Detector:					
4924.000	4.075	41.999	46.073	-7.927	54.000
Vertical					
Peak Detector:					
4924.000	4.075	53.455	57.529	-16.471	74.000
7386.000	9.812	37.339	47.151	-26.849	74.000
9848.000	11.819	37.712	49.531	-24.469	74.000
Average Detector:					
4924.000	4.075	44.185	48.259	-5.741	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4844.000	3.788	50.412	54.200	-19.800	74.000
7266.000	9.517	37.035	46.552	-27.448	74.000
9688.000	11.818	37.657	49.474	-24.526	74.000
Average					
Detector:					
4844.000	3.788	39.539	43.327	-10.673	54.000
Vertical					
Peak Detector:					
4844.000	3.788	52.559	56.347	-17.653	74.000
7266.000	9.517	37.173	46.690	-27.310	74.000
9688.000	11.818	37.744	49.561	-24.439	74.000
Average					
Detector:					
4844.000	3.788	42.150	45.938	-8.062	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.893	50.802	54.694	-19.306	74.000
7311.000	9.624	38.445	48.069	-25.931	74.000
9748.000	11.805	36.566	48.372	-25.628	74.000
Average					
Detector:					
4874.000	3.893	39.223	43.115	-10.885	54.000
Vertical					
Peak Detector:					
4873.000	0.299	51.955	52.254	-21.746	74.000
7310.000	-1.630	39.233	37.603	-36.397	74.000
9747.000	-2.119	39.476	37.357	-36.643	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4904.000	4.002	49.621	53.622	-20.378	74.000
7356.000	9.747	38.204	47.951	-26.049	74.000
9808.000	11.795	37.110	48.905	-25.095	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4904.000	4.002	49.500	53.501	-20.499	74.000
7356.000	9.747	37.394	47.141	-26.859	74.000
9808.000	11.795	37.465	49.260	-24.740	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. Receiver setting (Peak Detector) : RBW:1MHz; VBW:1MHz; Span:100MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:20MHz °
4. Emission 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 : Table PC
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
129.425	11.915	23.532	35.447	-18.053	53.500
192.475	8.417	31.634	40.051	-13.449	53.500
481.050	17.487	16.814	34.301	-22.099	56.400
575.625	18.182	21.584	39.766	-16.634	56.400
662.925	19.263	13.237	32.500	-23.900	56.400
813.275	20.115	17.534	37.649	-18.751	56.400
Vertical					
49.400	7.133	26.401	33.534	-15.466	49.000
129.425	10.889	24.527	35.416	-18.084	53.500
192.475	8.495	22.474	30.969	-22.531	53.500
481.050	17.287	12.537	29.824	-26.576	56.400
687.175	18.853	10.132	28.985	-27.415	56.400
810.850	20.105	12.139	32.244	-24.156	56.400

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
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 : Table PC
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
131.850	12.022	23.363	35.385	-18.115	53.500
192.475	8.417	31.710	40.127	-13.373	53.500
240.975	11.095	26.034	37.129	-19.271	56.400
405.875	15.986	16.927	32.913	-23.487	56.400
810.850	20.009	16.408	36.417	-19.983	56.400
927.250	21.367	17.042	38.409	-17.991	56.400
Vertical					
131.850	10.922	23.510	34.432	-19.068	53.500
192.475	8.495	23.619	32.114	-21.386	53.500
345.250	13.761	19.452	33.213	-23.187	56.400
481.500	17.287	13.118	30.405	-25.995	56.400
745.375	21.653	8.713	30.366	-26.034	56.400
927.250	22.467	14.497	36.964	-19.436	56.400

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
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 : Table PC
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
192.475	8.417	31.773	40.190	-13.310	53.500
432.550	16.453	18.734	35.187	-21.213	56.400
481.050	17.487	18.671	36.158	-20.242	56.400
575.625	18.182	20.154	38.336	-18.064	56.400
779.325	19.799	17.636	37.435	-18.965	56.400
927.250	21.367	17.084	38.451	-17.949	56.400
Vertical					
192.475	8.495	23.885	32.380	-21.120	53.500
345.250	13.761	21.733	35.494	-20.906	56.400
779.325	20.649	12.024	32.673	-23.727	56.400
810.850	20.105	14.598	34.703	-21.697	56.400
881.175	21.016	12.562	33.578	-22.822	56.400
927.250	22.467	11.067	33.534	-22.866	56.400

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
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 : Table PC
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
192.475	8.417	31.226	39.643	-13.857	53.500
432.550	16.453	18.089	34.542	-21.858	56.400
575.625	18.182	19.643	37.825	-18.575	56.400
779.325	19.799	18.009	37.808	-18.592	56.400
810.850	20.009	18.504	38.513	-17.887	56.400
927.250	21.367	17.211	38.578	-17.822	56.400
Vertical					
192.475	8.495	27.187	35.682	-17.818	53.500
345.250	13.761	22.518	36.279	-20.121	56.400
541.675	19.121	11.532	30.653	-25.747	56.400
662.925	18.538	11.773	30.312	-26.088	56.400
813.275	20.170	13.962	34.132	-22.268	56.400
927.250	22.467	11.365	33.832	-22.568	56.400

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
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

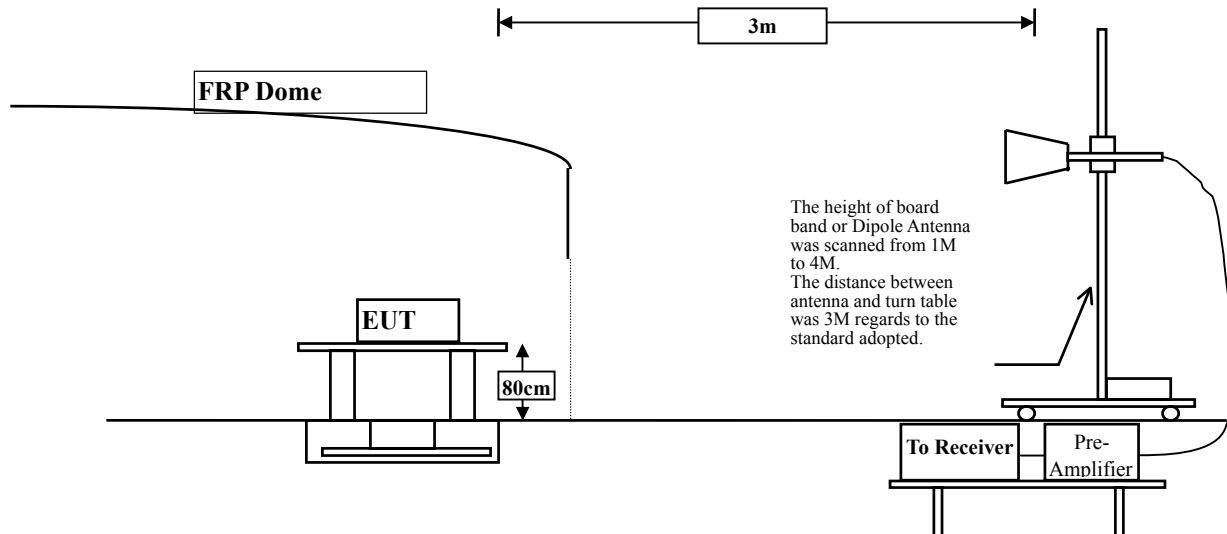
The following test equipments are used during the band edge tests:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Site # 3	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2007
	X	Pre-Amplifier	HP	8447D/2944A09549	Sep., 2007
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2007
	X	Spectrum Analyzer	Advantest	R3162/91700283	Oct., 2007
	X	Coaxial Cable	QuietTek	QTK-CABLE/ CAB5	Feb., 2007
	X	Controller	QuietTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

- Note:
1. All instruments 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 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.

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

5.5. Uncertainty

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

5.6. Test Result of Band Edge

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps)

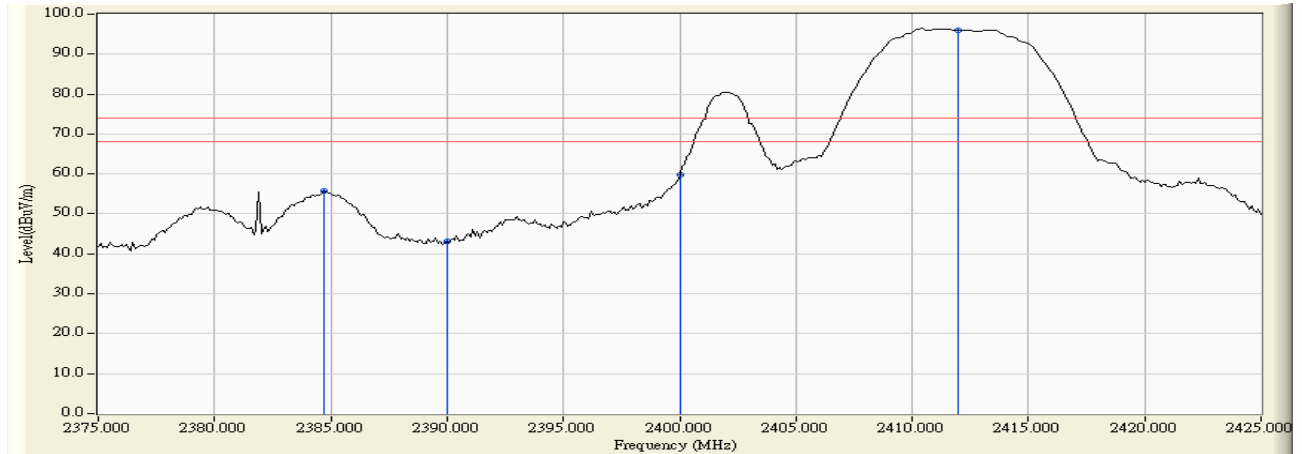
RF Radiated Measurement:

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
01 (Peak)	2384.700	-1.093	56.764	55.671	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	44.342	43.192	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	61.093	59.836	74.00	54.00	Pass
01 (Peak)	2412.000	-1.384	97.277	95.893	74.00	54.00	Pass
01 (Average)	2384.700	-1.087	47.552	46.465	74.00	54.00	Pass

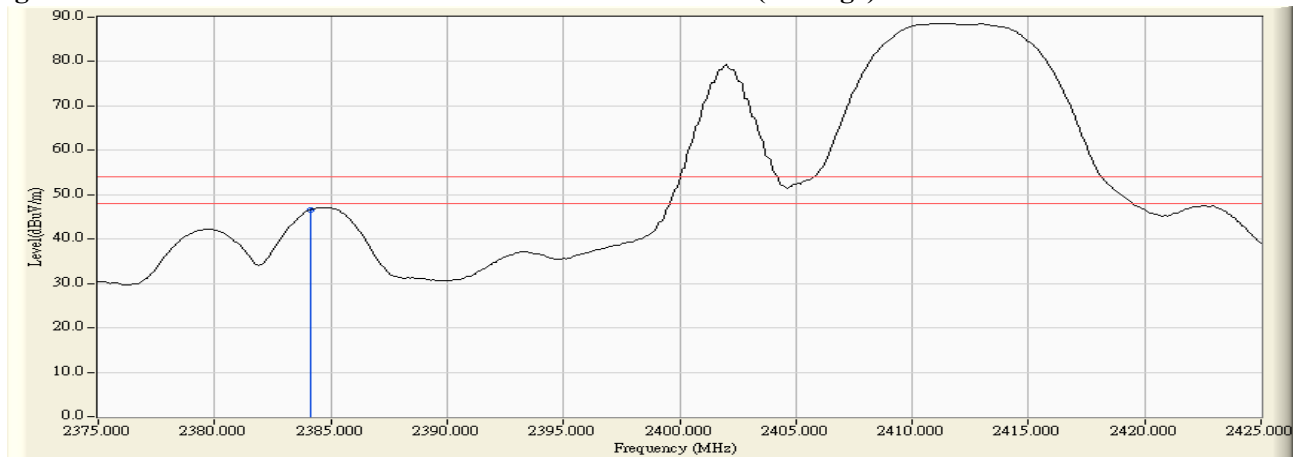
Figure Channel 01: Horizontal (Peak)



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

Figure Channel 01:

Horizontal (Average)



Note: RBW=1MHz, VBW=30Hz, Sweep=500ms

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps)

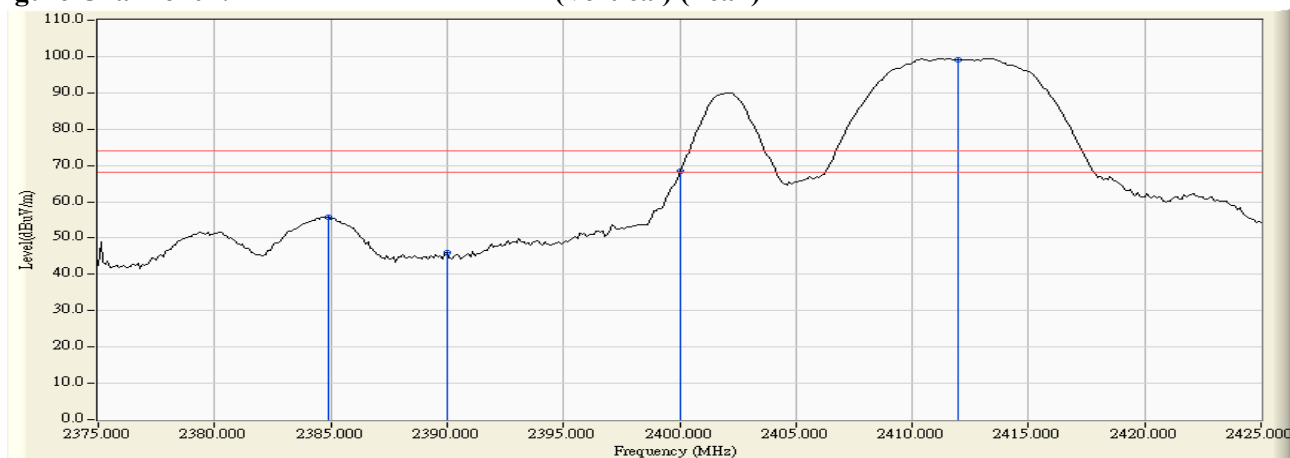
RF Radiated Measurement:

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
01 (Peak)	2384.900	-1.096	56.834	55.738	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	47.055	45.905	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	69.562	68.305	74.00	54.00	Pass
01 (Peak)	2412.000	-1.384	100.427	99.043	74.00	54.00	Pass
01 (Average)	2384.900	-1.096	49.013	47.917	74.00	54.00	Pass

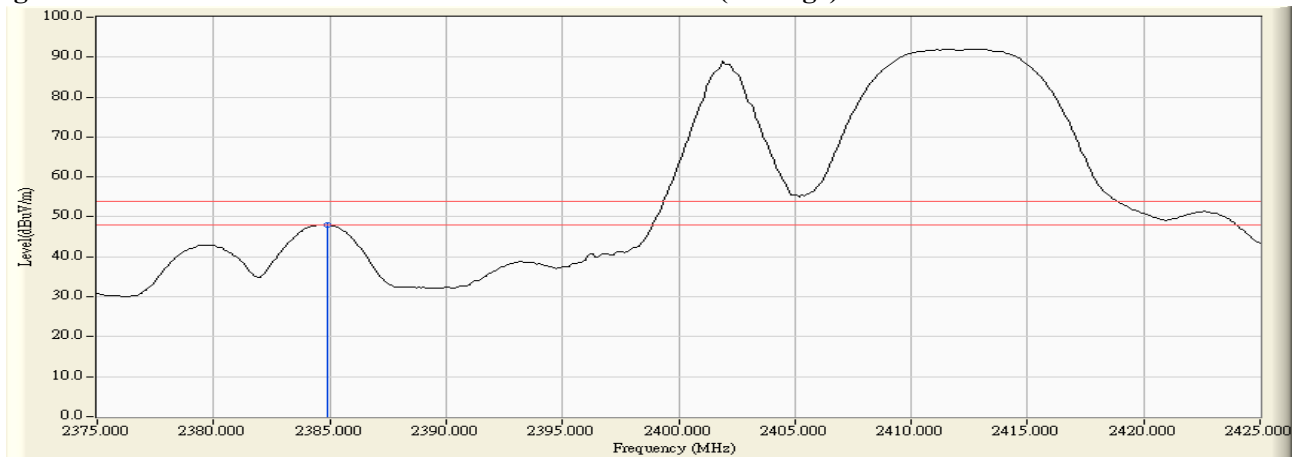
Figure Channel 01: (Vertical) (Peak)



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

Figure Channel 01:

Vertical (Average)



Note: RBW=1MHz, VBW=30Hz, Sweep=500ms

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps)

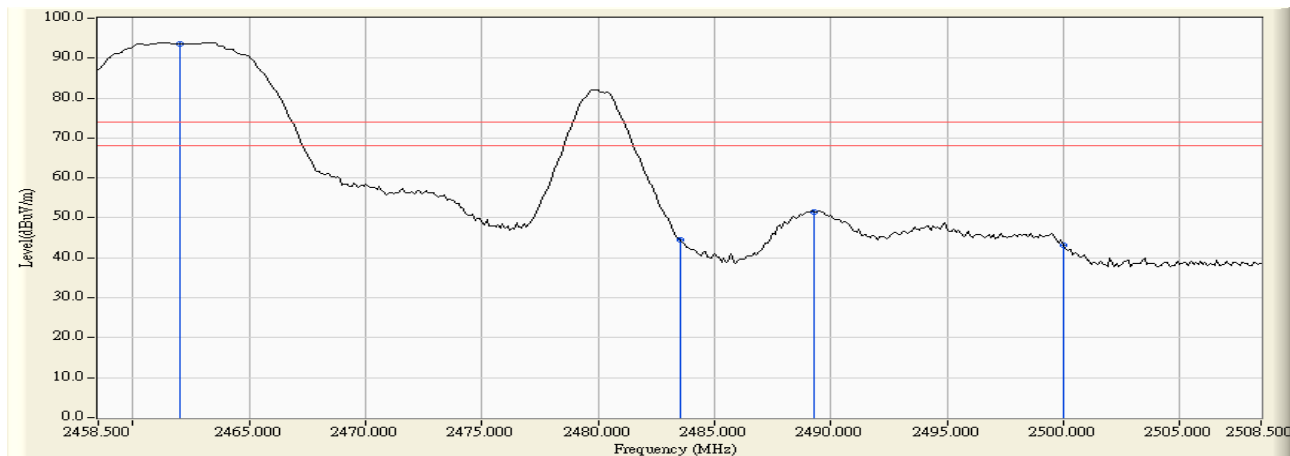
RF Radiated Measurement:

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)	2462.000	-1.920	95.414	93.494	74.00	54.00	Pass
11 (Peak)	2483.500	-2.159	46.711	44.552	74.00	54.00	Pass
11 (Peak)	2489.300	-2.143	53.727	51.584	74.00	54.00	Pass
11 (Peak)	2500.000	-2.096	45.299	43.203	74.00	54.00	Pass
11(Average)	2489.300	-2.143	45.216	43.073	74.00	54.00	Pass

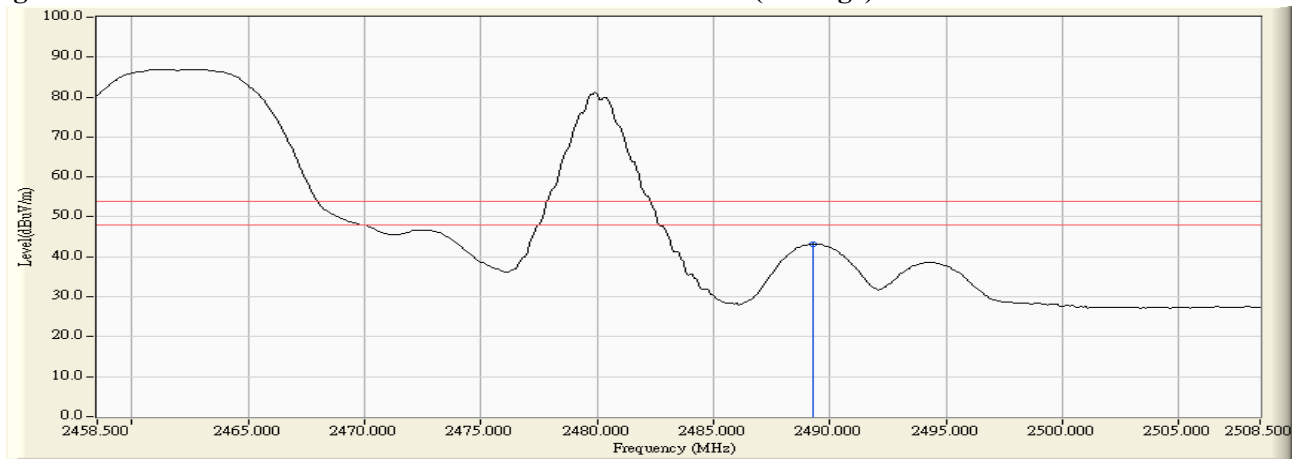
Figure Channel 11: Horizontal (Peak)



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

Figure Channel 11:

Horizontal (Average)



Note: RBW=1MHz, VBW=30Hz, Sweep=500ms

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps)

RF Radiated Measurement:

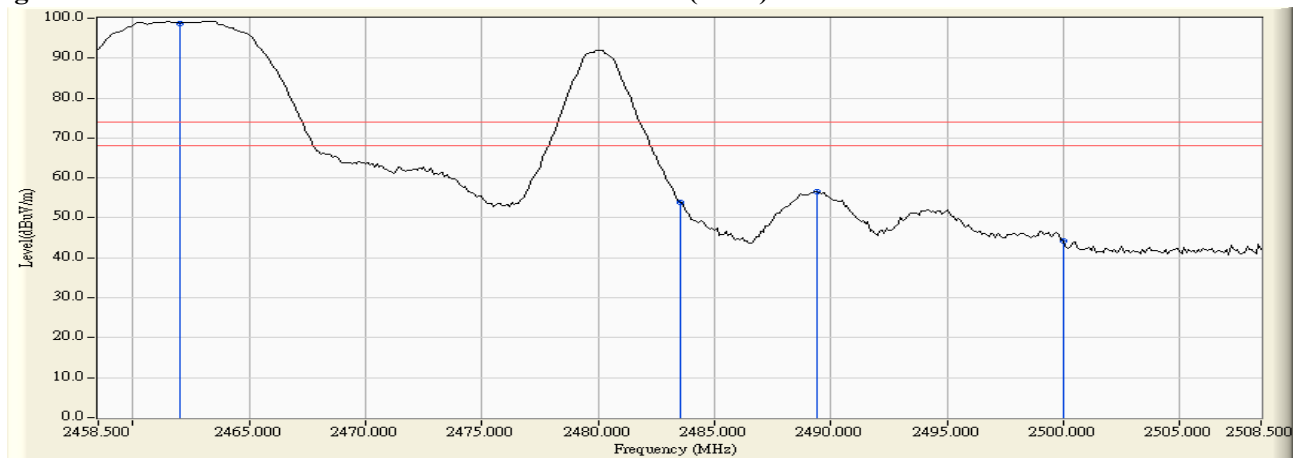
Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
11 (Vertical)	>2483.5	>20	Pass

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)	2462.000	-1.920	100.709	98.789	74.00	54.00	Pass
11 (Peak)	2483.500	-2.159	56.087	53.928	74.00	54.00	Pass
11 (Peak)	2489.400	-2.142	58.601	56.459	74.00	54.00	Pass
11 (Peak)	2500.000	-2.096	46.304	44.208	74.00	54.00	Pass
11(Average)	2489.400	-2.142	50.683	48.541	74.00	54.00	Pass

Figure Channel 11:

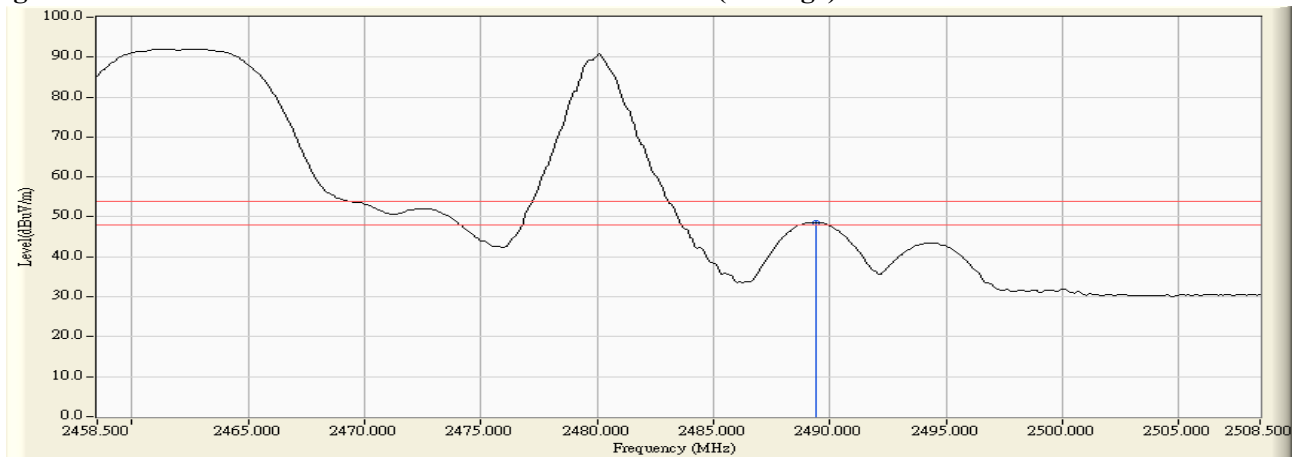
Vertical (Peak)



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

Figure Channel 11:

Vertical (Average)



Note: RBW=1MHz, VBW=30Hz, Sweep=500ms

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps)

RF Radiated Measurement:

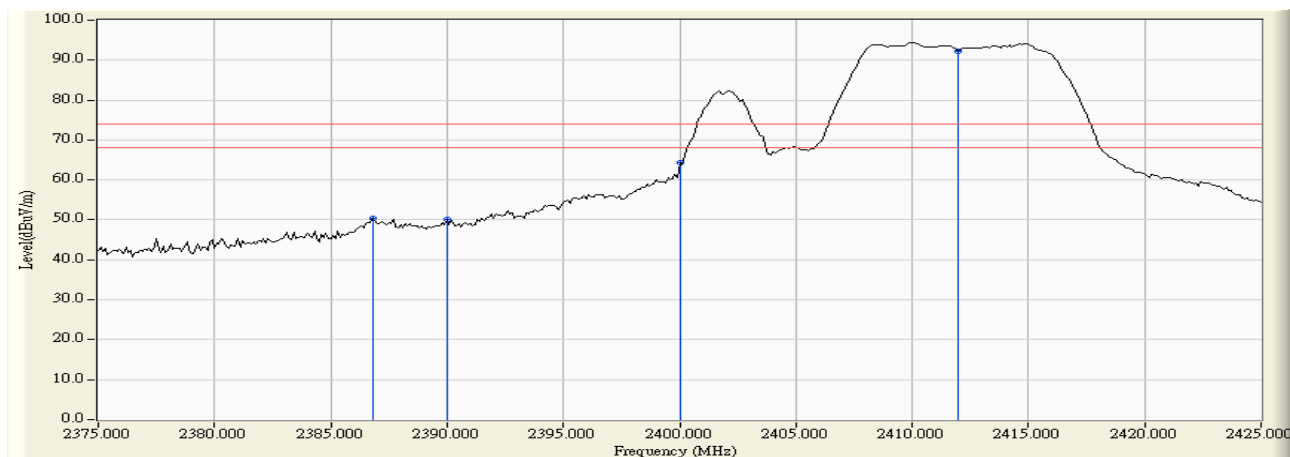
Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1 (Horizontal)	<2400	>20	Pass

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
01 (Peak)	2386.800	-1.116	51.565	50.449	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	51.157	50.007	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	65.470	64.213	74.00	54.00	Pass
01 (Peak)	2412.000	-1.384	93.713	92.329	74.00	54.00	Pass

Figure Channel 01:

Horizontal



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps)

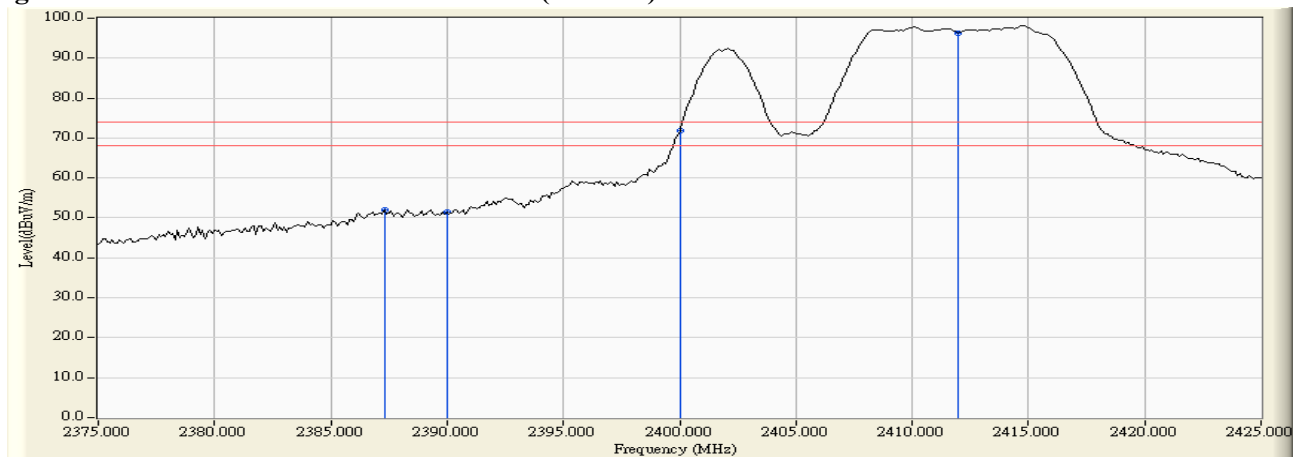
RF Radiated Measurement:

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
01 (Peak)	2387.300	-1.121	53.190	52.069	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	52.748	51.598	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	73.222	71.965	74.00	54.00	Pass
01 (Peak)	2412.000	-1.384	97.613	96.229	74.00	54.00	Pass

Figure Channel 01: (Vertical)



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps)

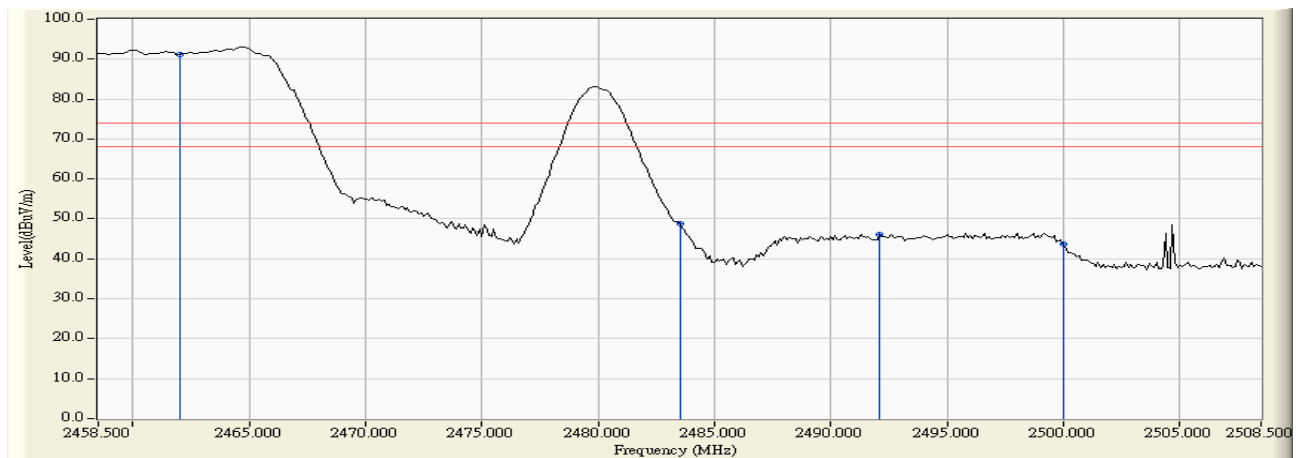
RF Radiated Measurement:

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)	2462.000	-1.920	93.054	91.134	74.00	54.00	Pass
11 (Peak)	2483.500	-2.159	50.958	48.799	74.00	54.00	Pass
11 (Peak)	2492.100	-2.131	48.176	46.045	74.00	54.00	Pass
11 (Peak)	2500.000	-2.096	45.727	43.631	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps)

RF Radiated Measurement:

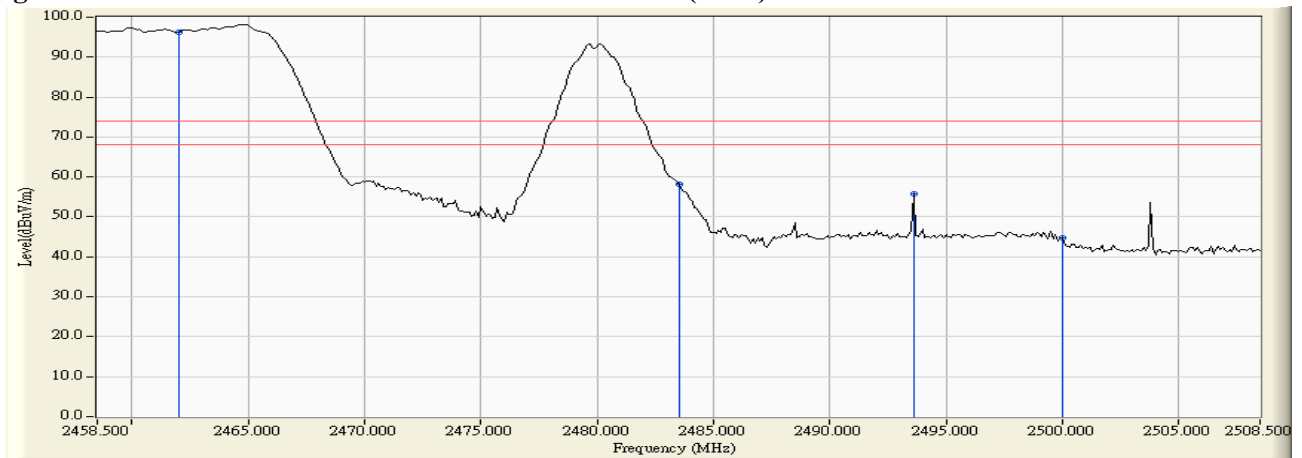
Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
11 (Vertical)	>2483.5	>20	Pass

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)	2462.000	-1.920	98.144	96.224	74.00	54.00	Pass
11 (Peak)	2483.500	-2.159	60.246	58.087	74.00	54.00	Pass
11 (Peak)	2493.600	-2.124	57.781	55.657	74.00	54.00	Pass
11 (Peak)	2500.000	-2.096	46.743	44.647	74.00	54.00	Pass
11(Average)	2483.500	-11.545	61.038	49.493	74.00	54.00	Pass

Figure Channel 11:

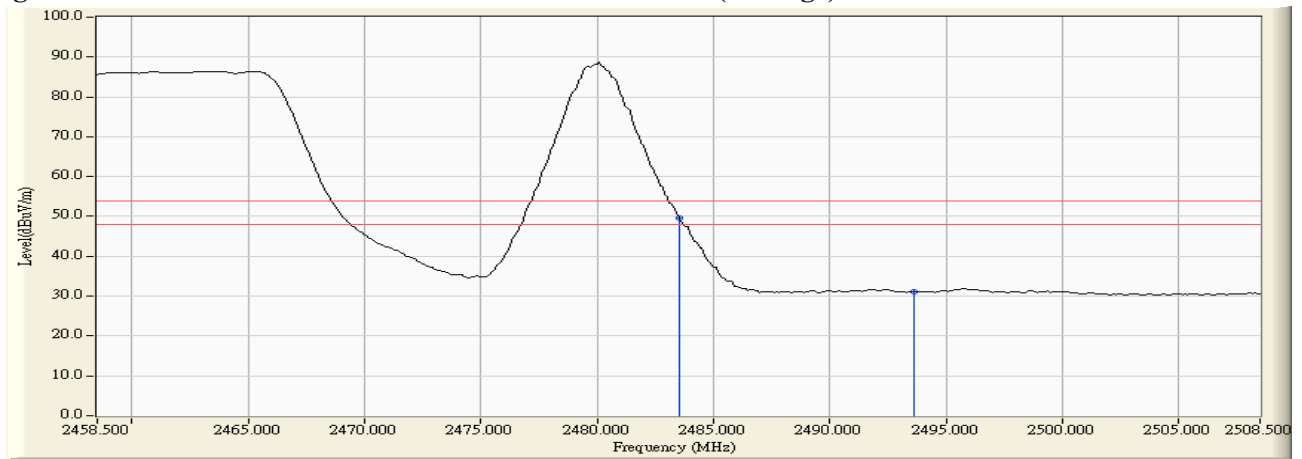
Vertical (Peak)



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

Figure Channel 11:

Vertical (Average)



Note: RBW=1MHz, VBW=30Hz, Sweep=500ms

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW)

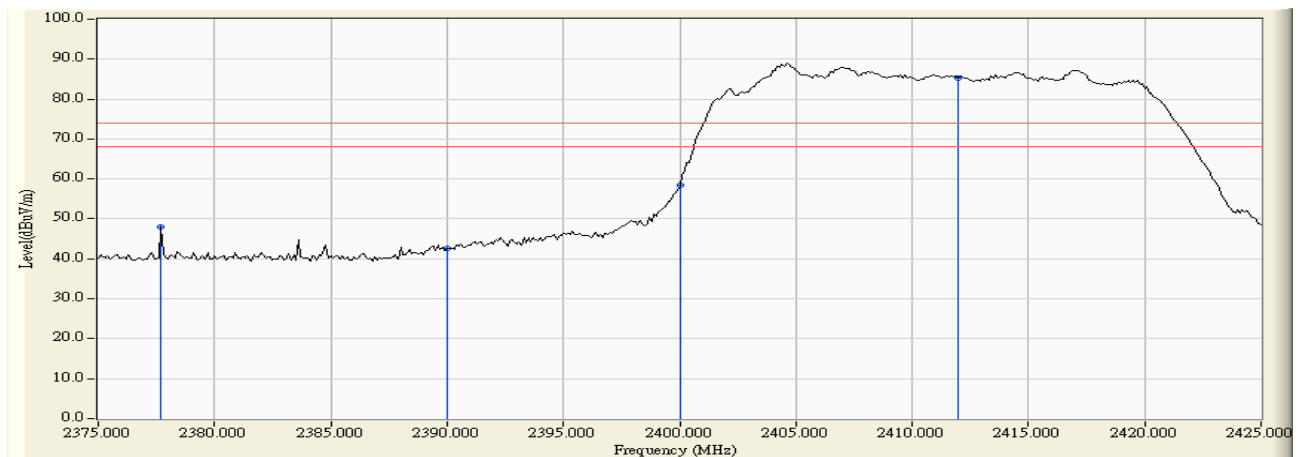
RF Radiated Measurement:

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
01 (Peak)	2377.700	-1.016	49.127	48.111	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	43.812	42.662	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	59.812	58.555	74.00	54.00	Pass
01 (Peak)	2412.000	-1.384	86.639	85.255	74.00	54.00	Pass

Figure Channel 01: Horizontal



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW)

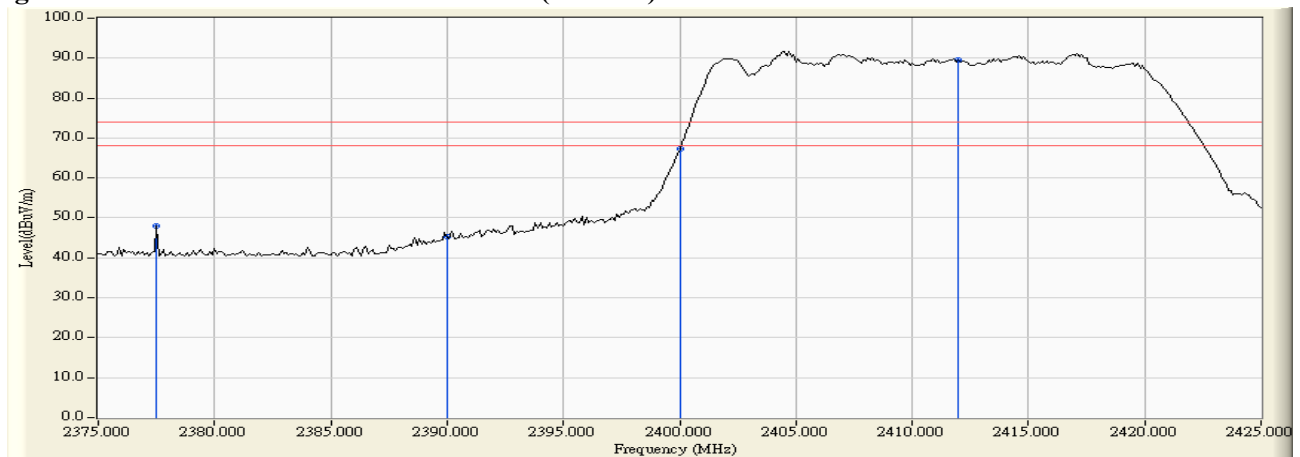
RF Radiated Measurement:

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
01 (Peak)	2377.500	-1.013	49.113	48.099	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	46.350	45.200	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	68.579	67.322	74.00	54.00	Pass
01 (Peak)	2412.000	-1.384	90.964	89.580	74.00	54.00	Pass

Figure Channel 01: (Vertical)



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW)

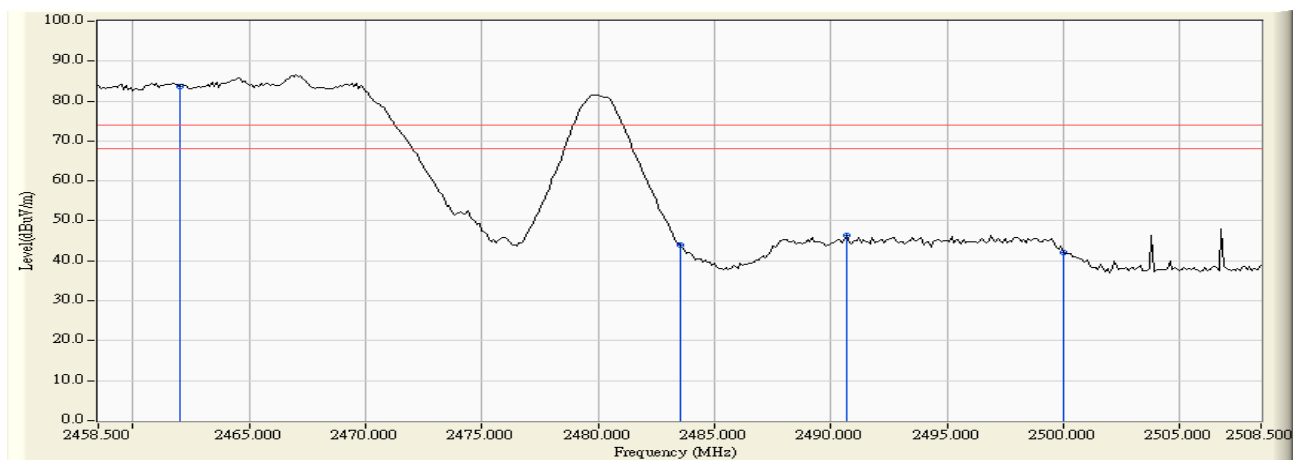
RF Radiated Measurement:

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)	2462.000	-1.920	85.649	83.729	74.00	54.00	Pass
11 (Peak)	2483.500	-2.159	46.068	43.909	74.00	54.00	Pass
11 (Peak)	2490.700	-2.136	48.558	46.421	74.00	54.00	Pass
11 (Peak)	2500.000	-2.096	44.151	42.055	74.00	54.00	Pass

Figure Channel 11: Horizontal



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW)

RF Radiated Measurement:

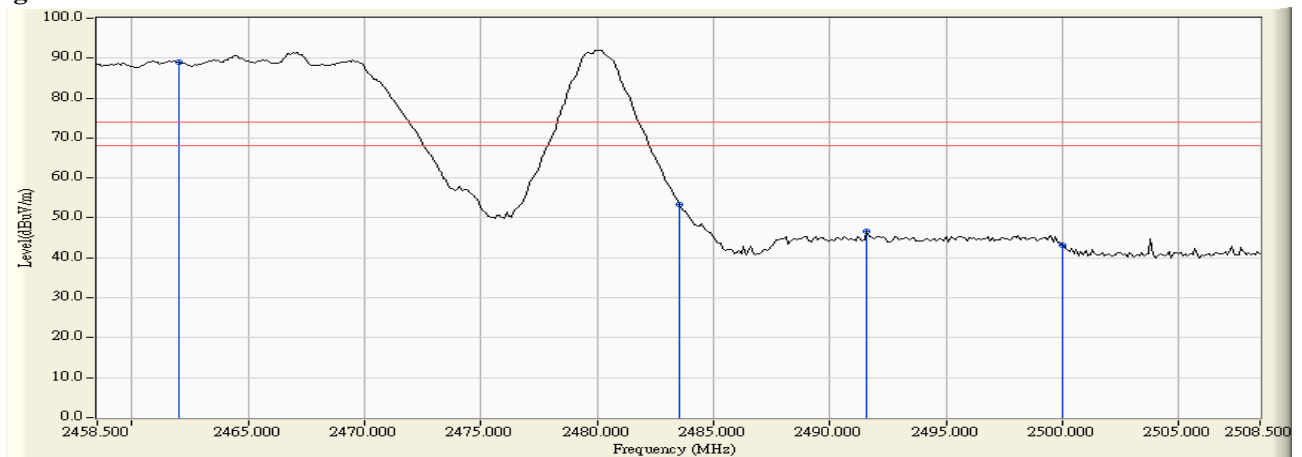
Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
11 (Vertical)	>2483.5	>20	Pass

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)	2462.000	-1.920	91.012	89.092	74.00	54.00	Pass
11 (Peak)	2483.500	-2.159	55.562	53.403	74.00	54.00	Pass
11 (Peak)	2491.600	-2.133	48.779	46.646	74.00	54.00	Pass
11 (Peak)	2500.000	-2.096	45.338	43.242	74.00	54.00	Pass

Figure Channel 11:

Vertical



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW)

RF Radiated Measurement:

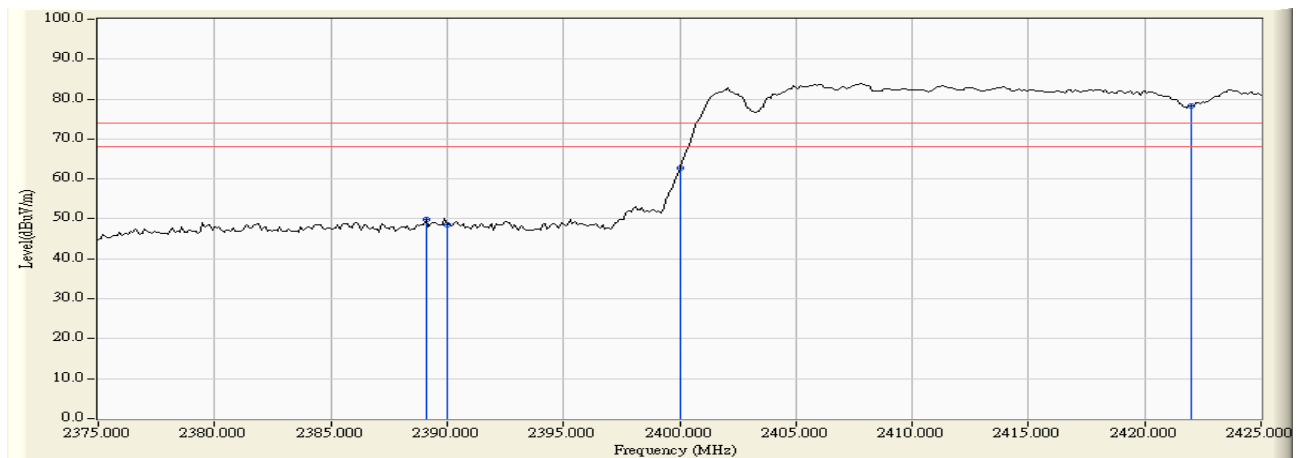
Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
1 (Horizontal)	<2400	>20	Pass

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
01 (Peak)	2389.100	-1.141	50.996	49.856	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	49.769	48.619	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	63.953	62.696	74.00	54.00	Pass
01 (Peak)	2422.000	-1.492	79.812	78.320	74.00	54.00	Pass

Figure Channel 01:

Horizontal



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW)

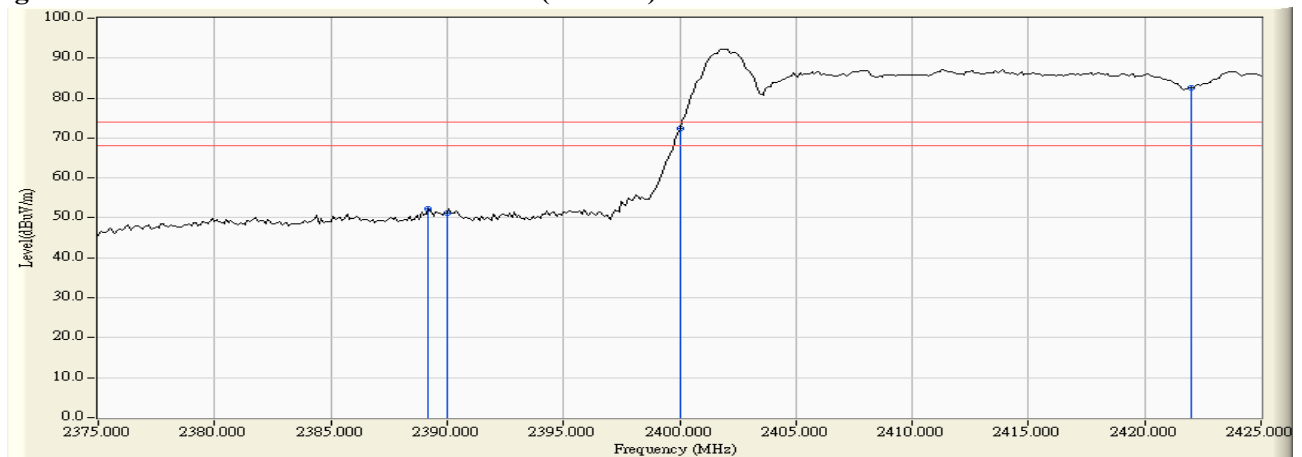
RF Radiated Measurement:

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
01 (Peak)	2389.200	-1.141	53.453	52.312	74.00	54.00	Pass
01 (Peak)	2390.000	-1.150	52.313	51.163	74.00	54.00	Pass
01 (Peak)	2400.000	-1.257	73.723	72.466	74.00	54.00	Pass
01 (Peak)	2422.000	-1.492	83.970	82.478	74.00	54.00	Pass

Figure Channel 01: (Vertical)



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW)

RF Radiated Measurement:

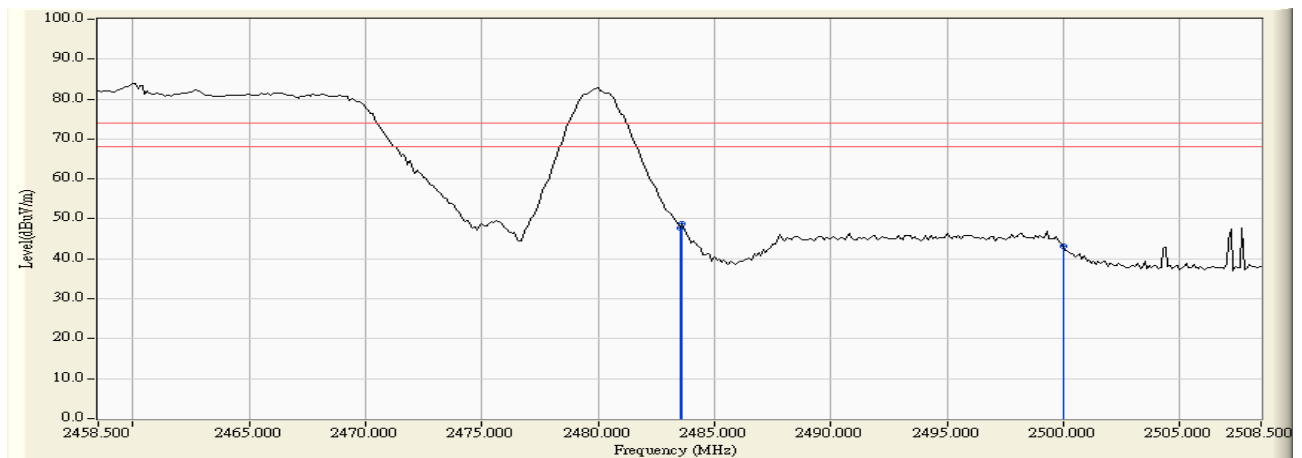
Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
07 (Horizontal)	>2483.5	>20	Pass

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
07 (Peak)	2483.500	-2.159	49.782	47.623	74.00	54.00	Pass
07 (Peak)	2483.600	-2.160	50.944	48.784	74.00	54.00	Pass
07 (Peak)	2500.000	-2.096	45.237	43.141	74.00	54.00	Pass

Figure Channel 07:

Horizontal (Peak)



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

Product : Table PC
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW)

RF Radiated Measurement:

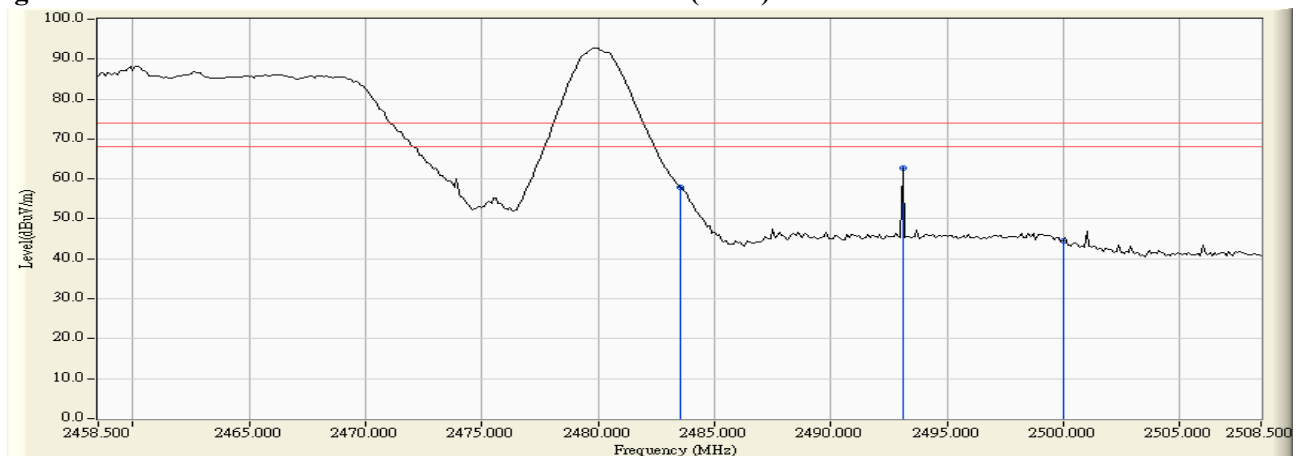
Channel No.	Frequency (MHz)	Required Limit (dBc)	Result
07 (Vertical)	>2483.5	>20	Pass

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
07 (Peak)	2483.500	-2.159	60.145	57.986	74.00	54.00	Pass
07 (Peak)	2493.100	-2.125	64.875	62.749	74.00	54.00	Pass
07 (Peak)	2500.000	-2.096	46.540	44.444	74.00	54.00	Pass
07 (Average)	2493.100	-2.125	34.636	32.510	74.00	54.00	Pass

Figure Channel 07:

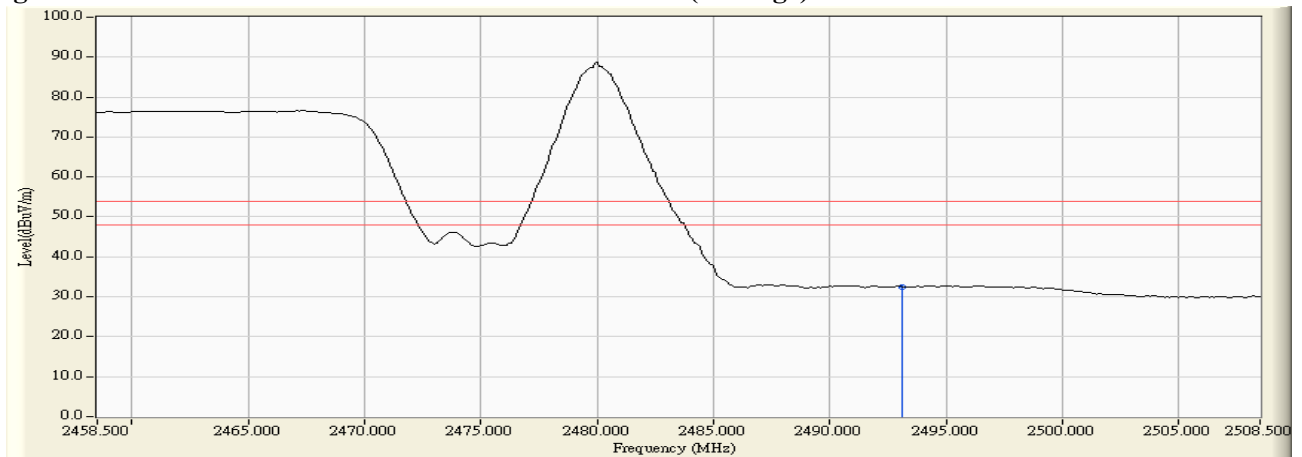
Vertical (Peak)



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

Figure Channel 07:

Vertical (Average)



Note: RBW=1MHz, VBW=30Hz, Sweep=500ms

6. Occupied Bandwidth

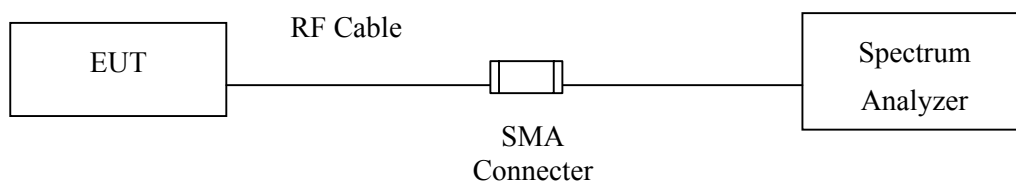
6.1. Test Equipment

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 instruments 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. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

6.5. Uncertainty

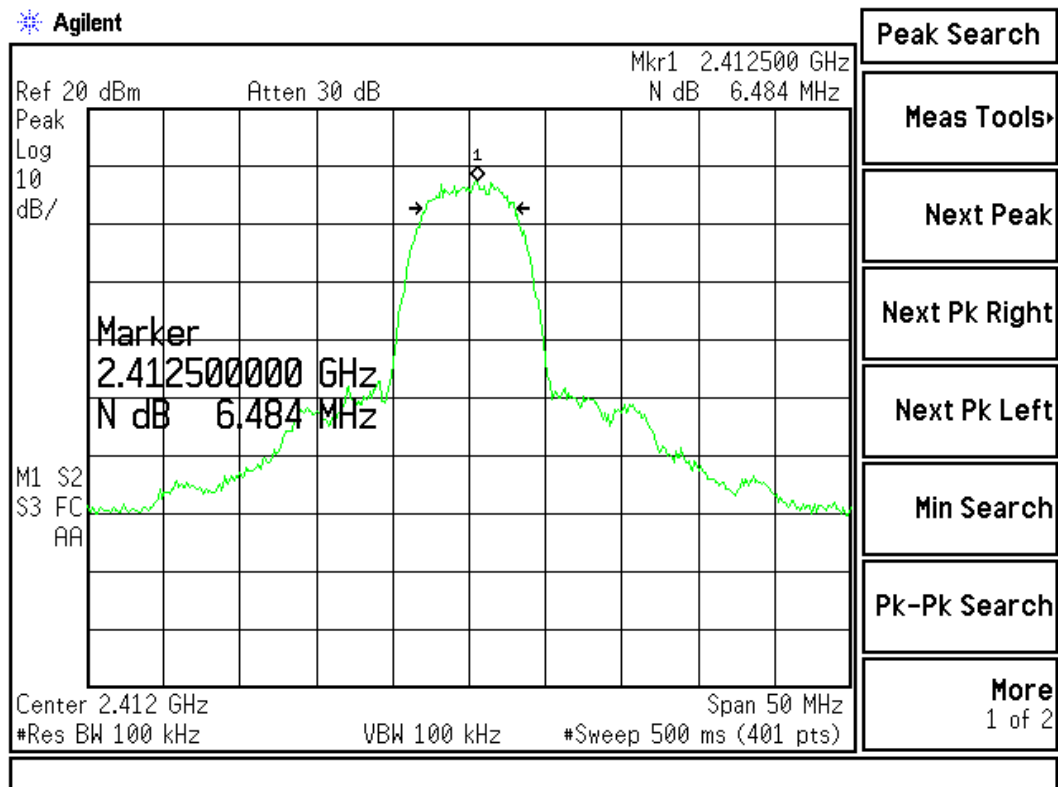
$\pm 150\text{Hz}$

6.6. Test Result of Occupied Bandwidth

Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (11Mbps)	2412.00	6484	>500	Pass

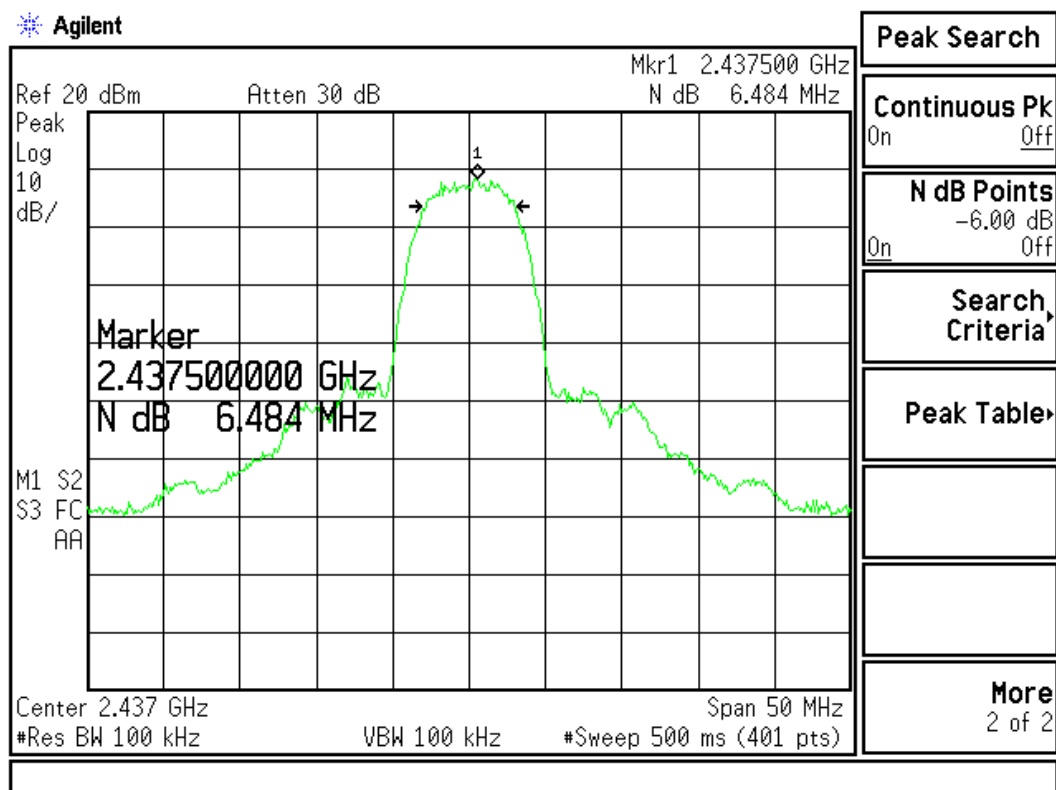
Figure Channel 1:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (11Mbps)	2437.00	6484	>500	Pass

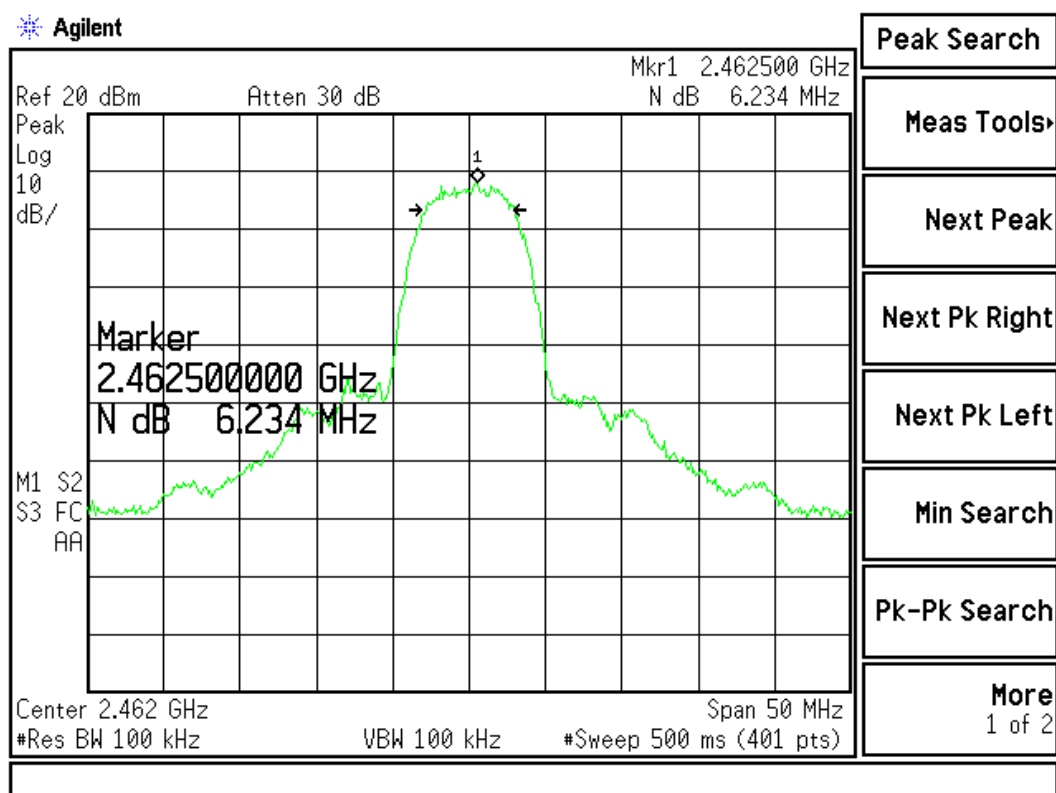
Figure Channel 6:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (11Mbps)	2462.00	6234	>500	Pass

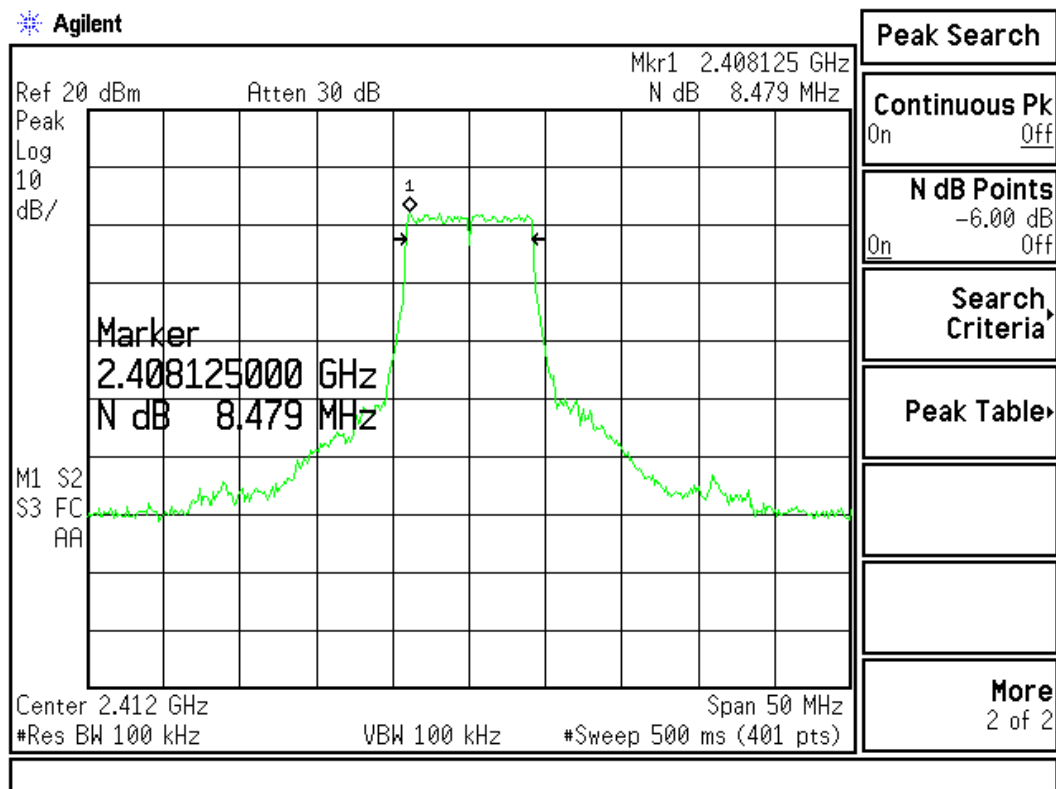
Figure Channel 11:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (54Mbps)	2412.00	8479	>500	Pass

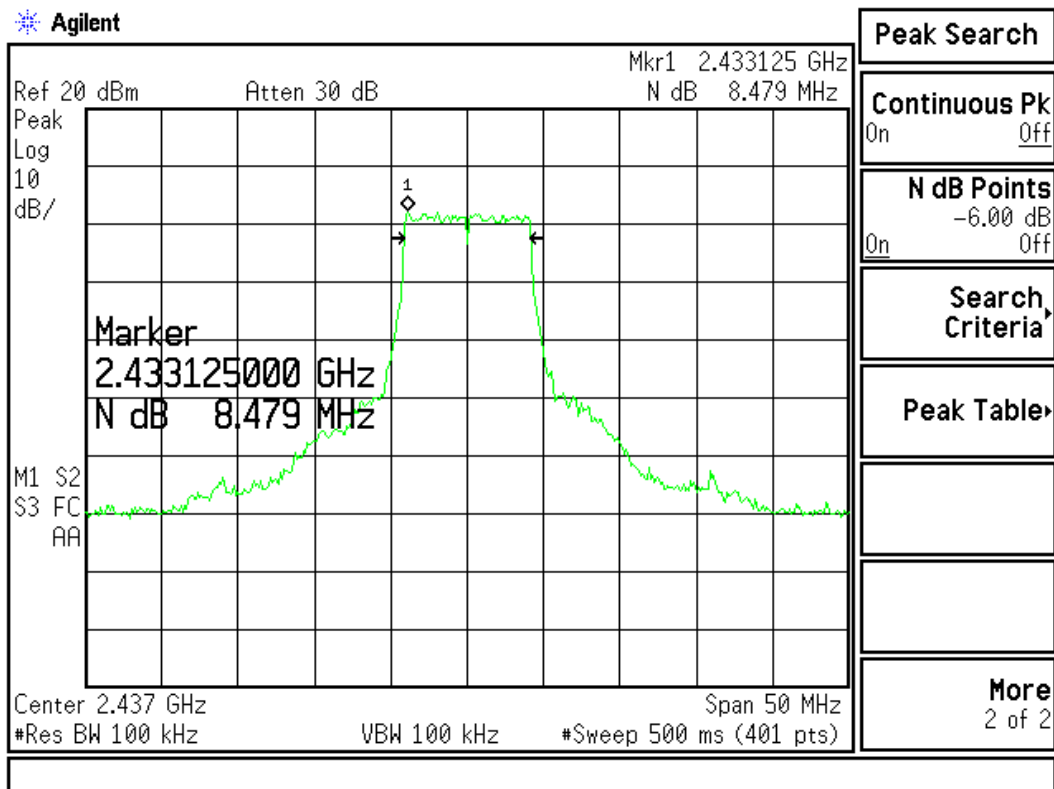
Figure Channel 1:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (54Mbps)	2437.00	8479	>500	Pass

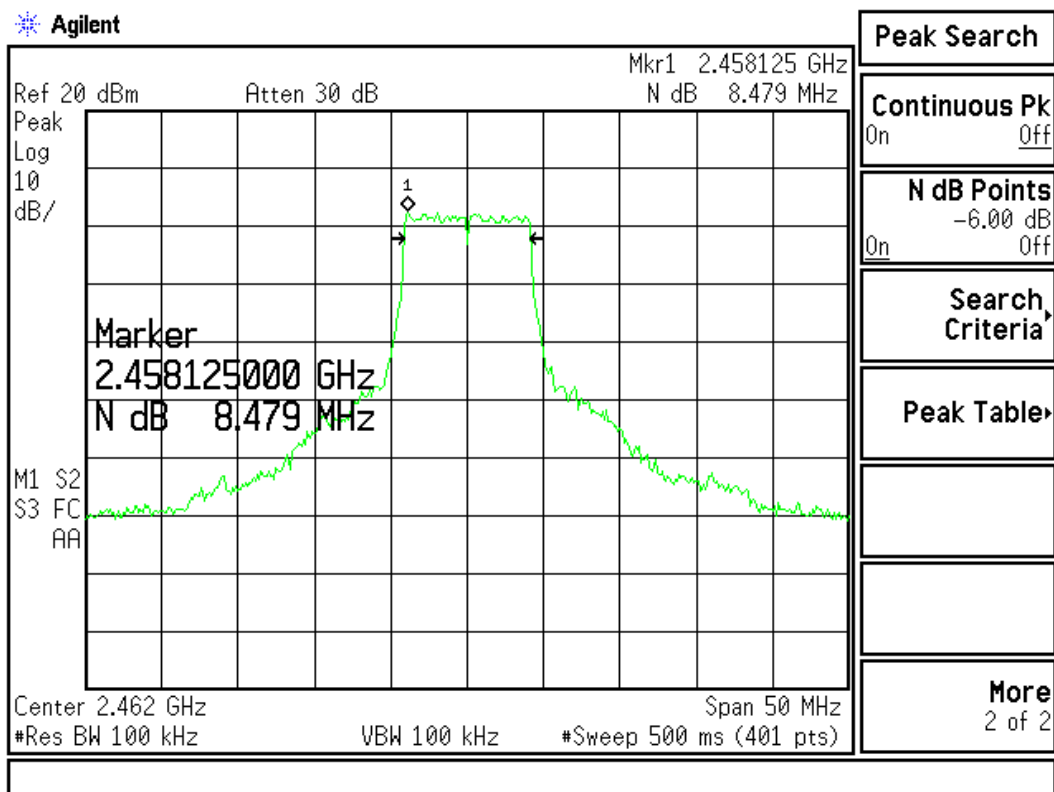
Figure Channel 6:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (54Mbps)	2462.00	8479	>500	Pass

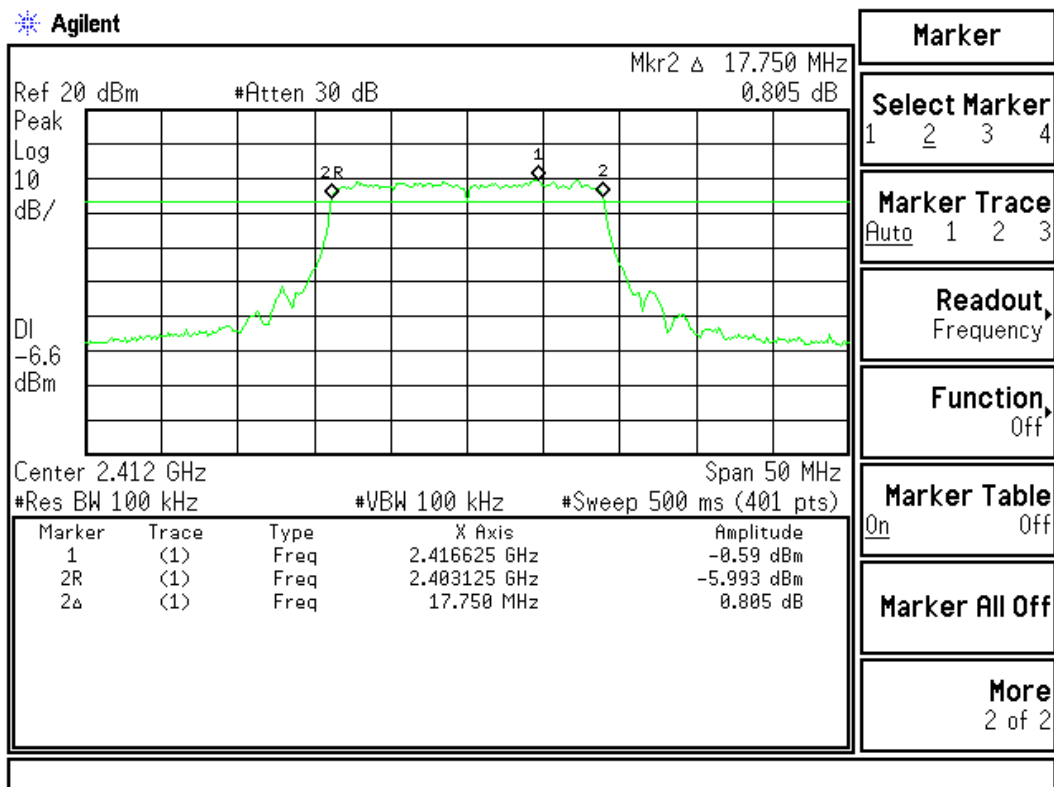
Figure Channel 11:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (65Mbps)	2412.00	17750	>500	Pass

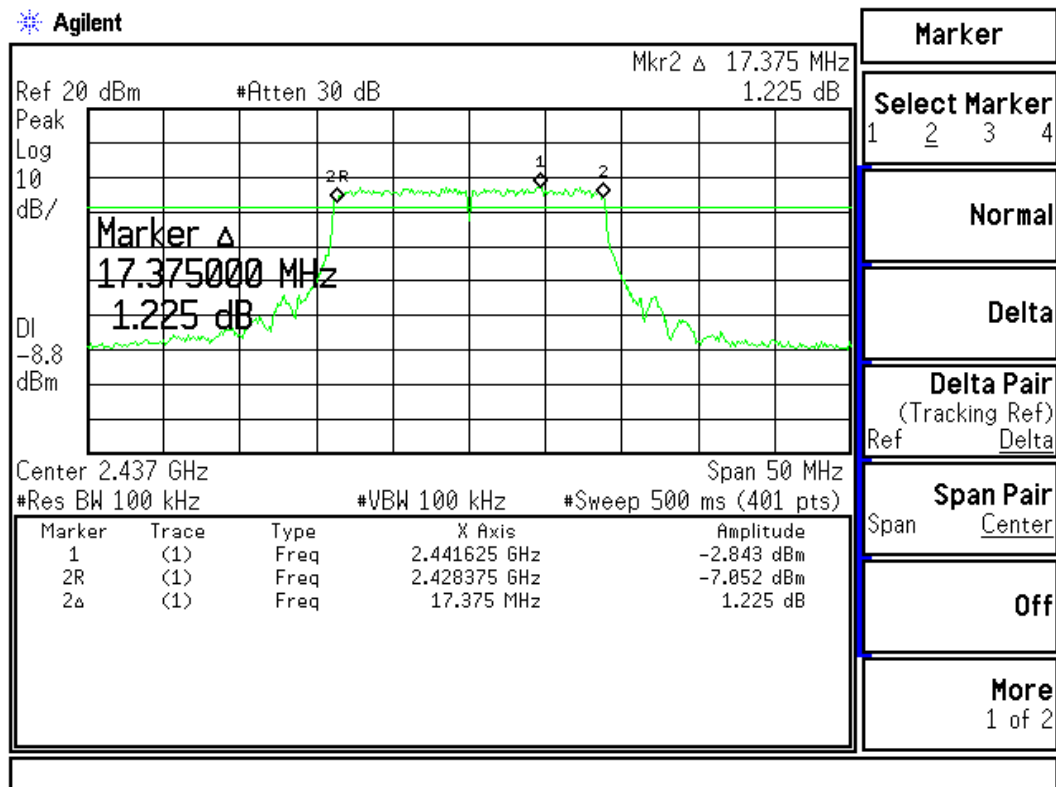
Figure Channel 1:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (65Mbps)	2437.00	17375	>500	Pass

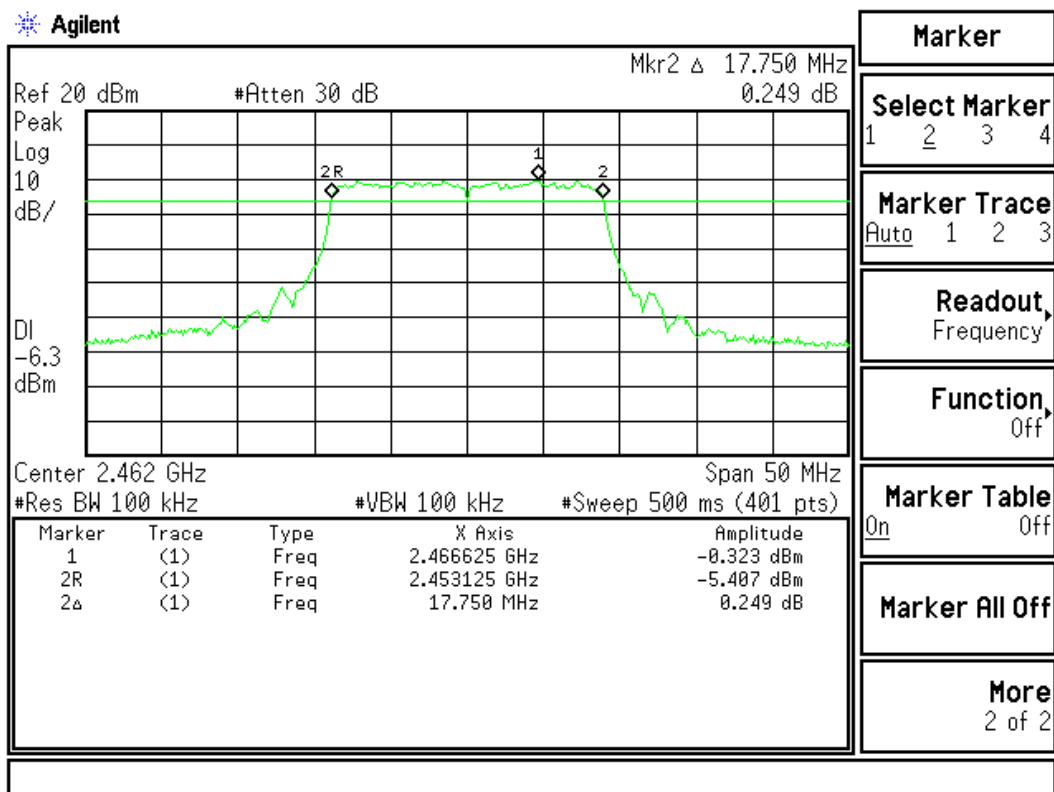
Figure Channel 6:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (65Mbps)	2462.00	17750	>500	Pass

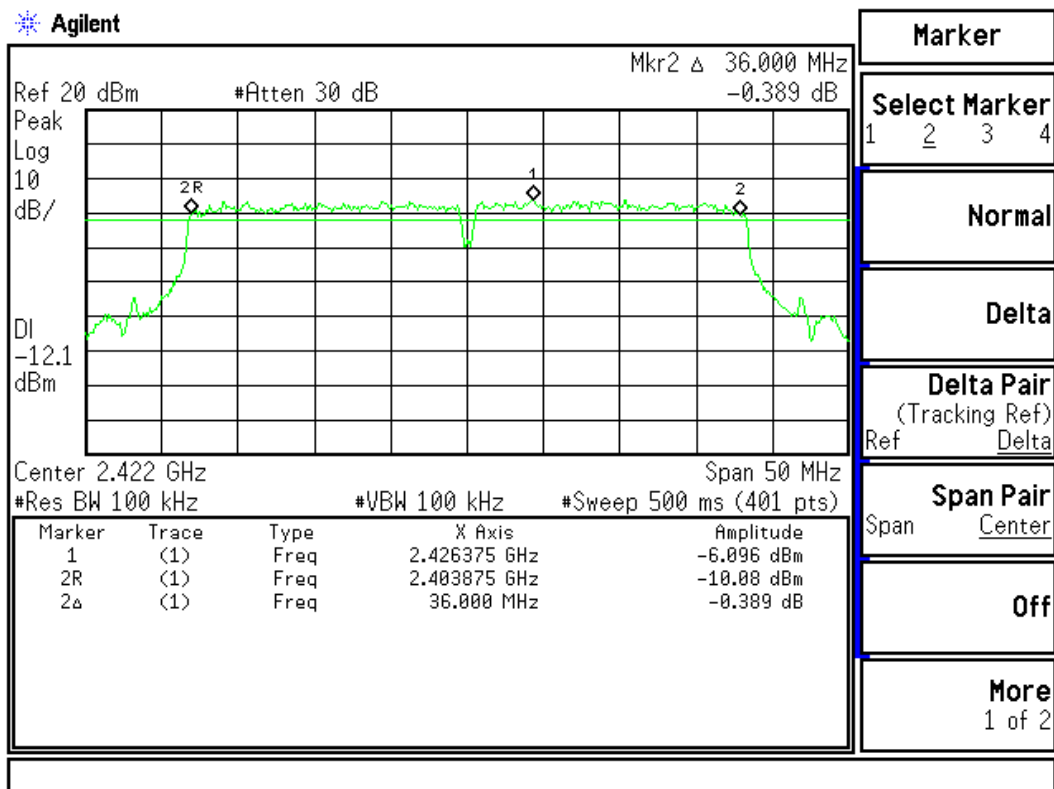
Figure Channel 11:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2422MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (130Mbps)	2422.00	36000	>500	Pass

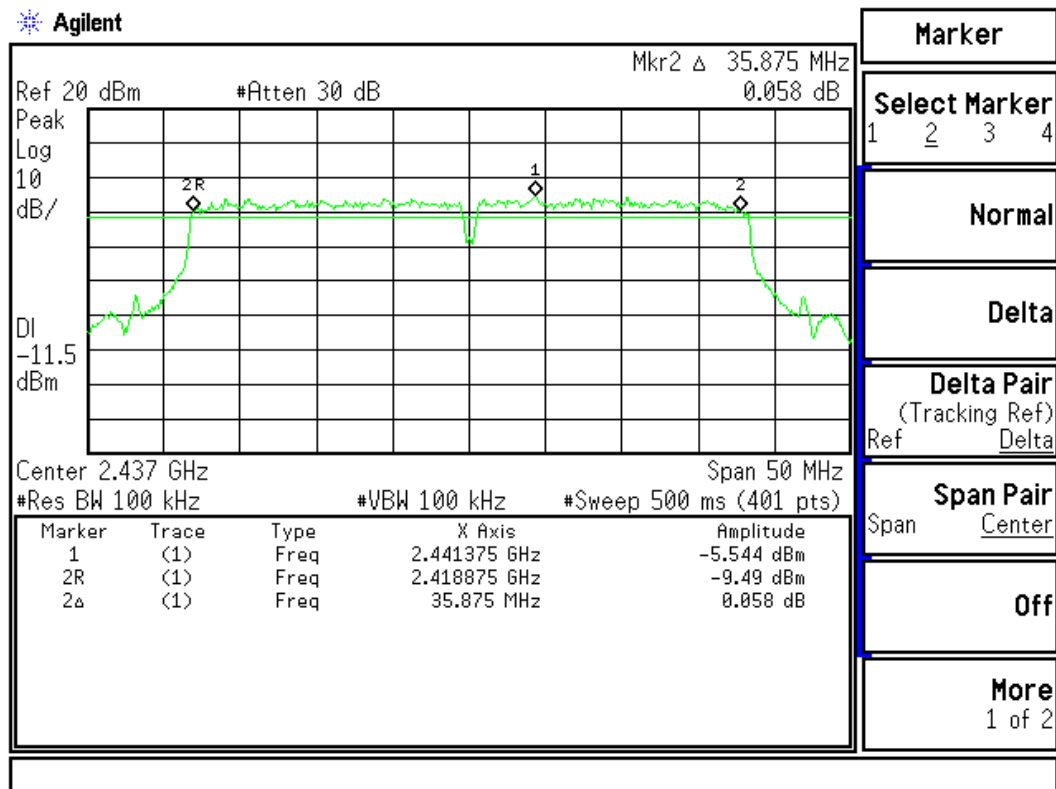
Figure Channel 1:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
4 (130Mbps)	2437.00	35875	>500	Pass

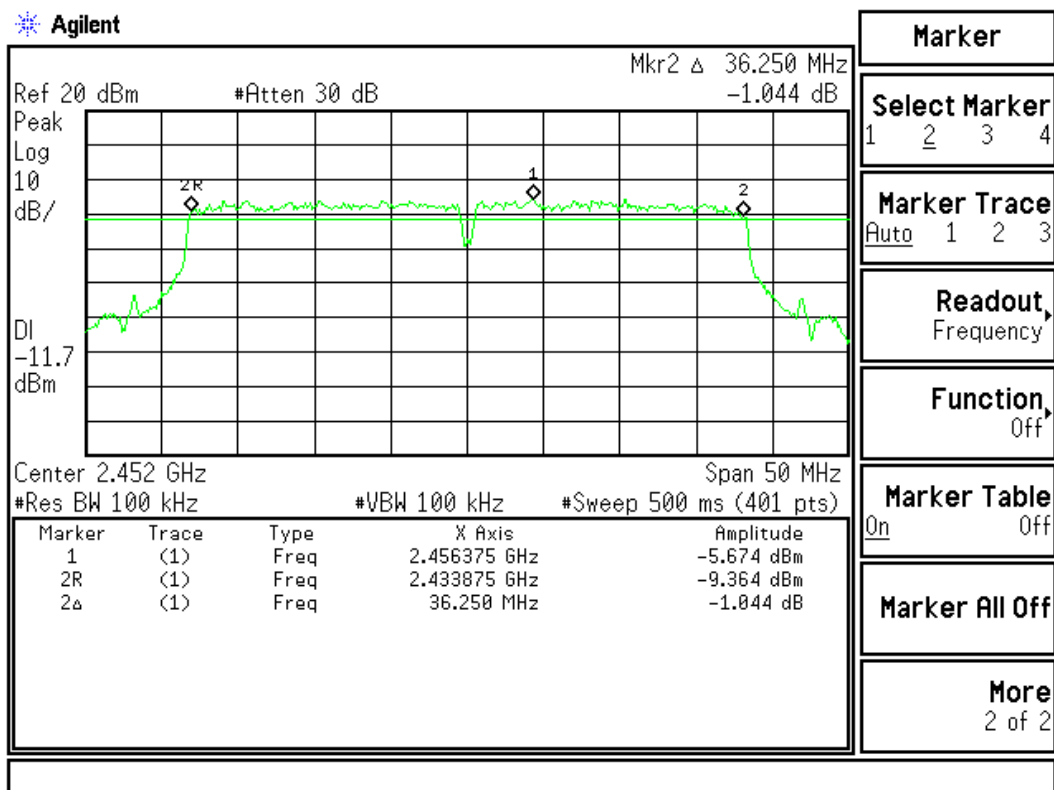
Figure Channel 4:



Product : Table PC
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2452MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
7 (130Mbps)	2452.00	36250	>500	Pass

Figure Channel 7:



7. Power Density

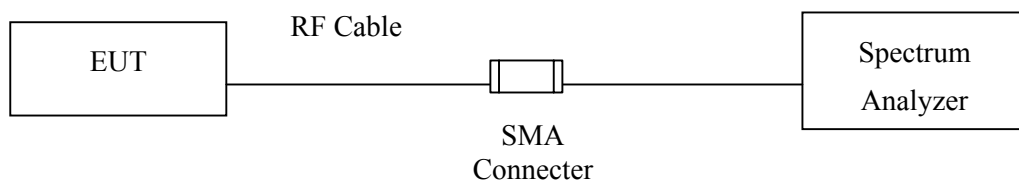
7.1. Test Equipment

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 transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

7.4. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Oct 2002 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

7.5. Uncertainty

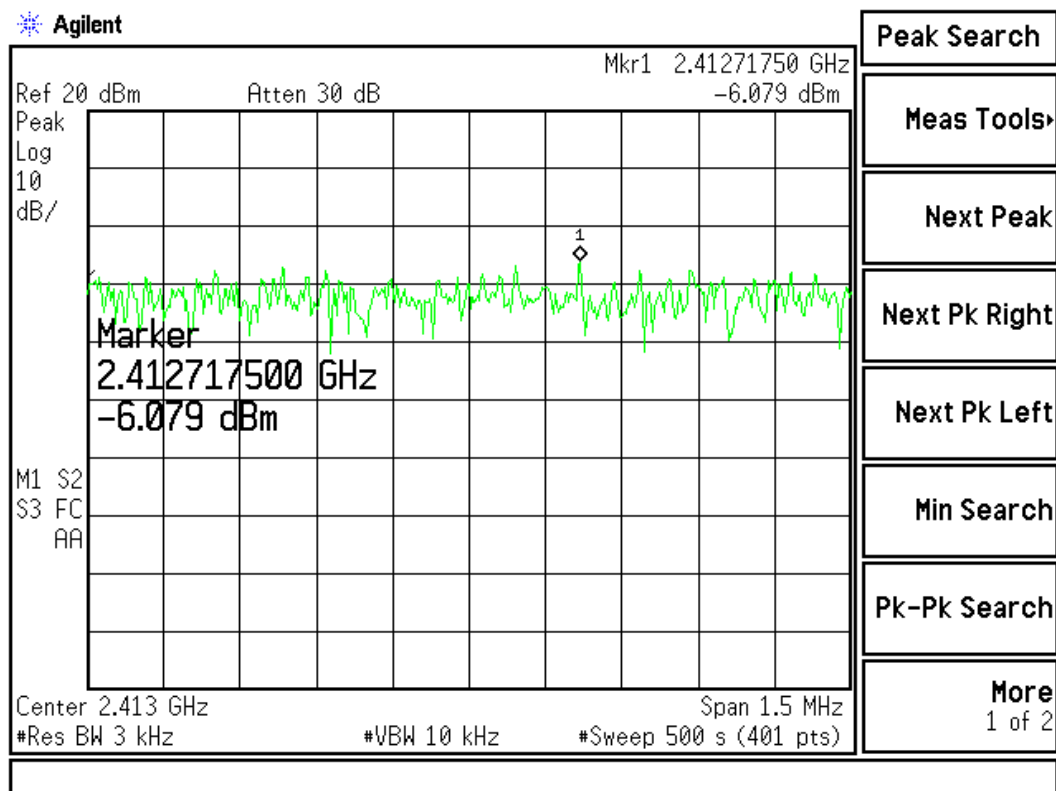
± 1.27 dB

7.6. Test Result of Power Density

Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (11Mbps)	2412.00	-6.079	< 8dBm	Pass

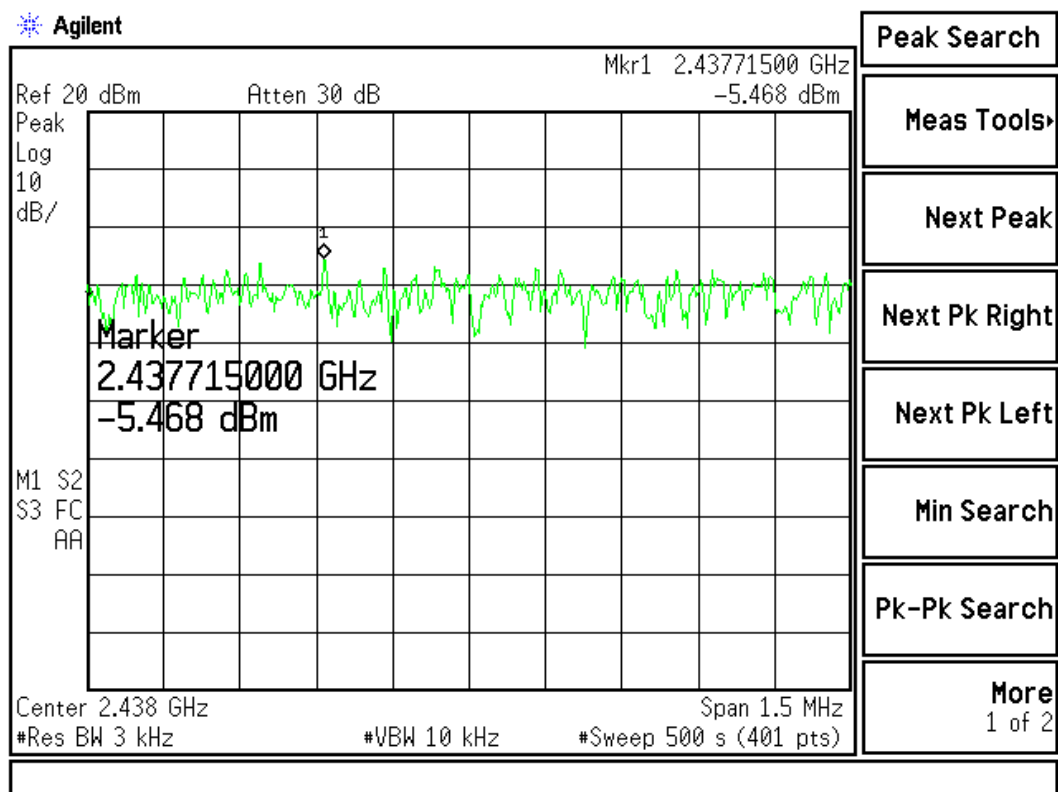
Figure Channel 1:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (11Mbps)	2437.000	-5.468	< 8dBm	Pass

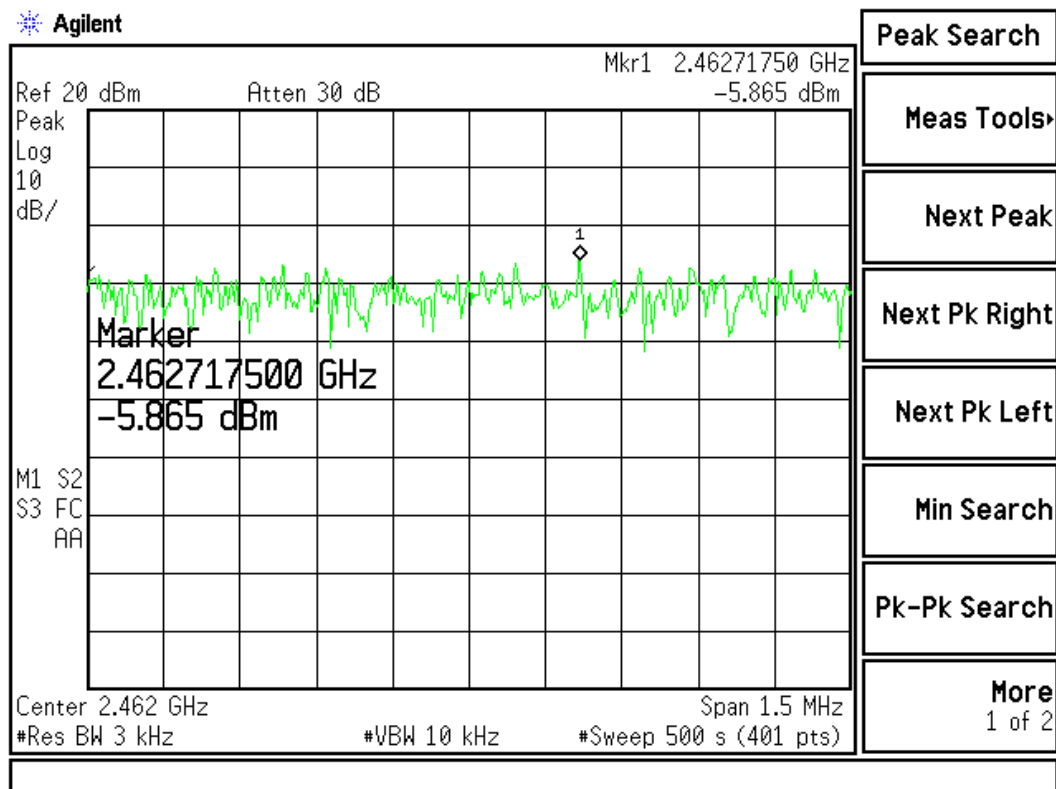
Figure Channel 6:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11b 11Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (11Mbps)	2462.00	-5.865	< 8dBm	Pass

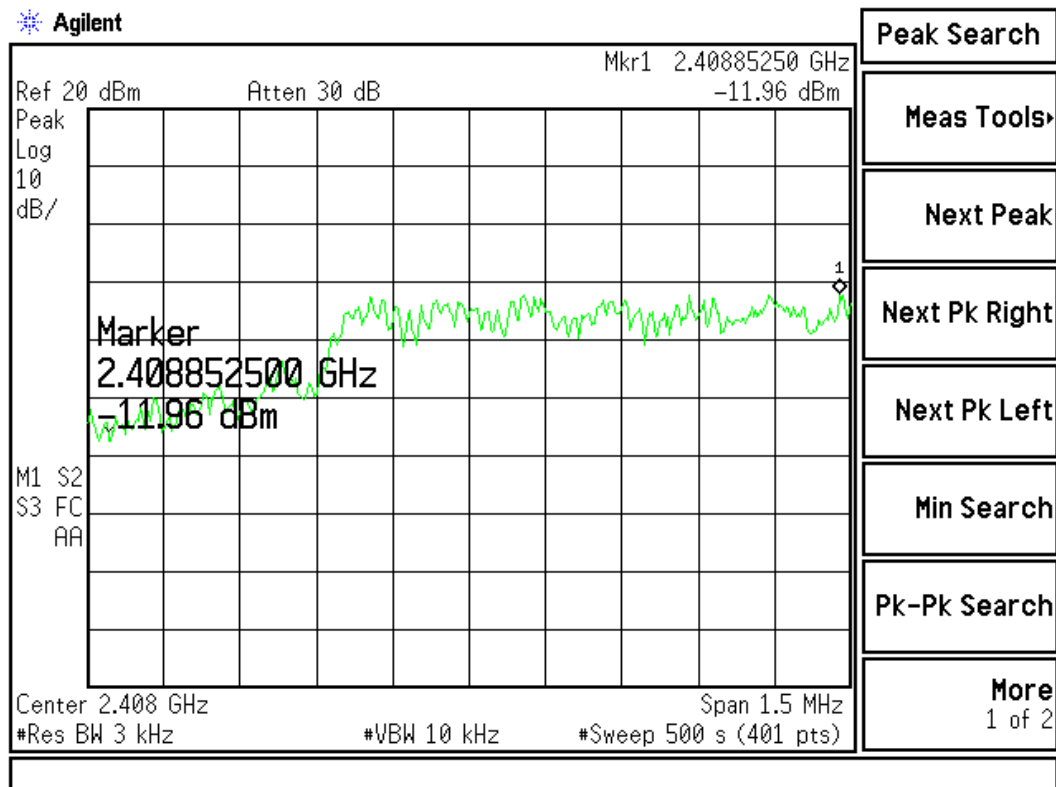
Figure Channel 11:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (54Mbps)	2412.00	-11.96	< 8dBm	Pass

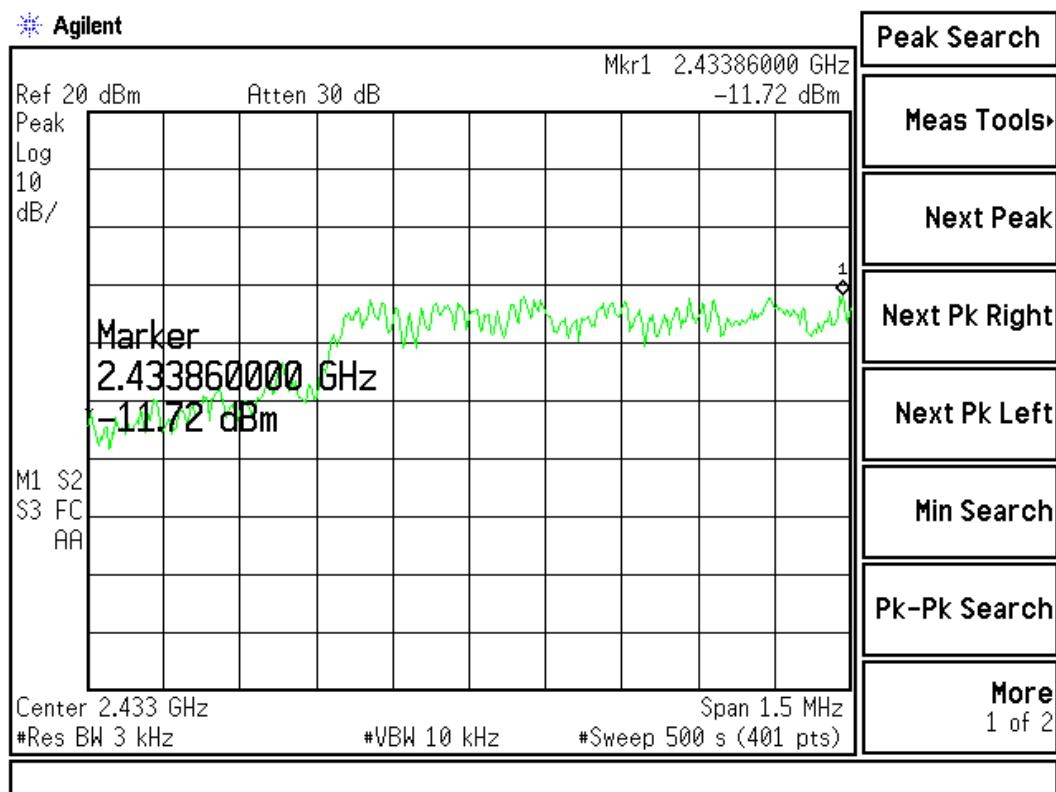
Figure Channel 1:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (54Mbps)	2437.000	-11.72	< 8dBm	Pass

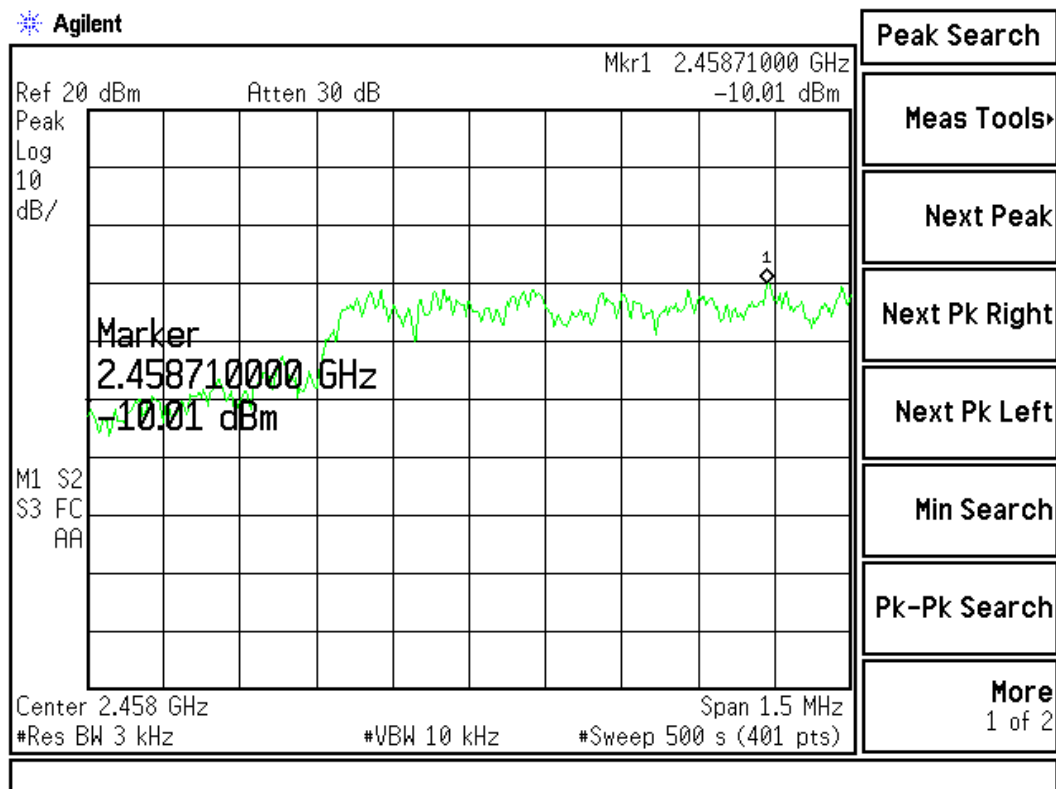
Figure Channel 6:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11g 54Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (54Mbps)	2462.00	-10.01	< 8dBm	Pass

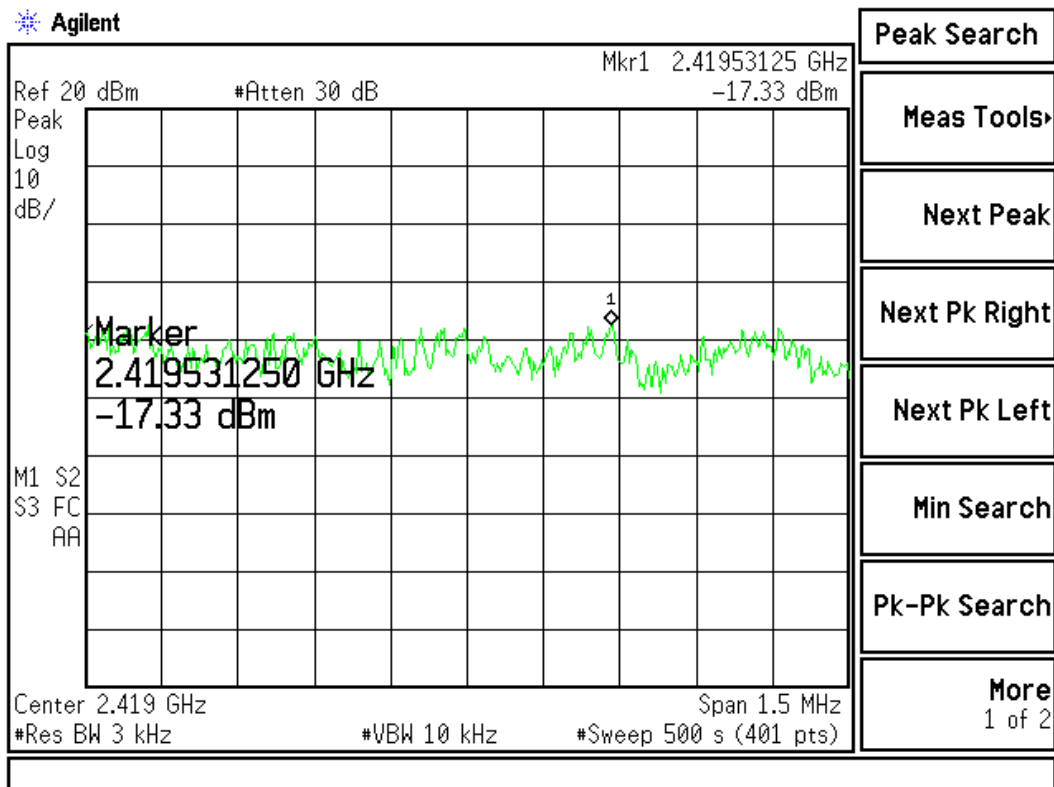
Figure Channel 11:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (65Mbps)	2412.00	-17.33	< 8dBm	Pass

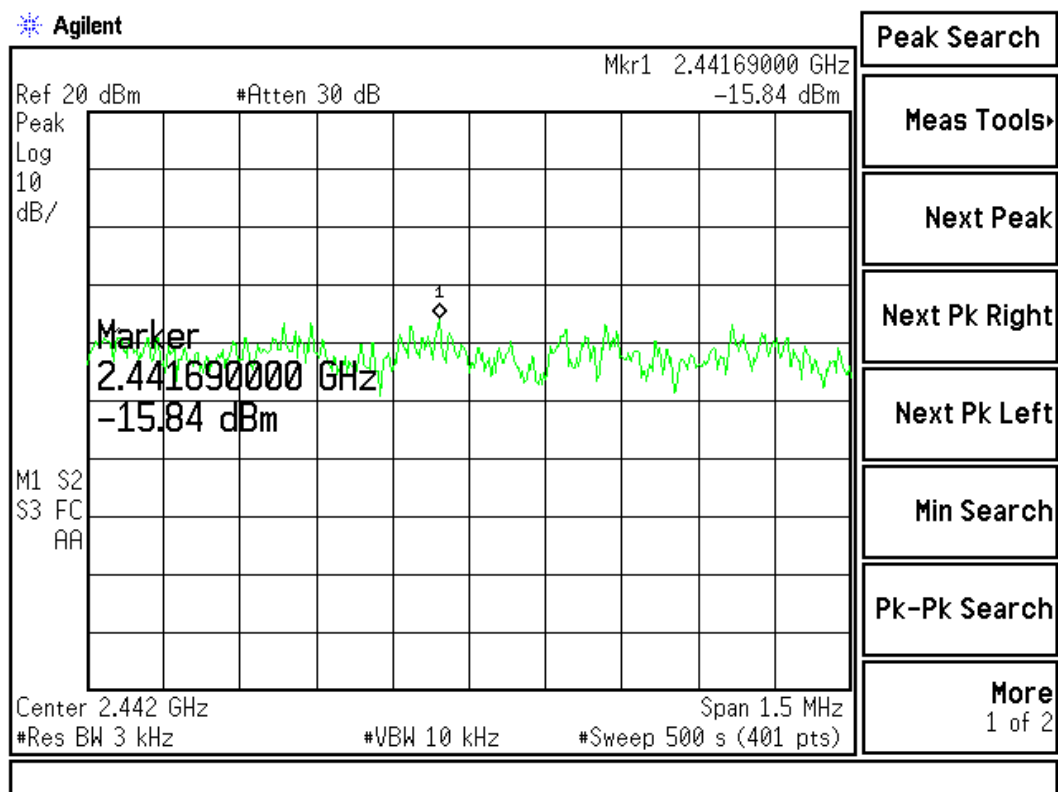
Figure Channel 1:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (65Mbps)	2437.000	-15.84	< 8dBm	Pass

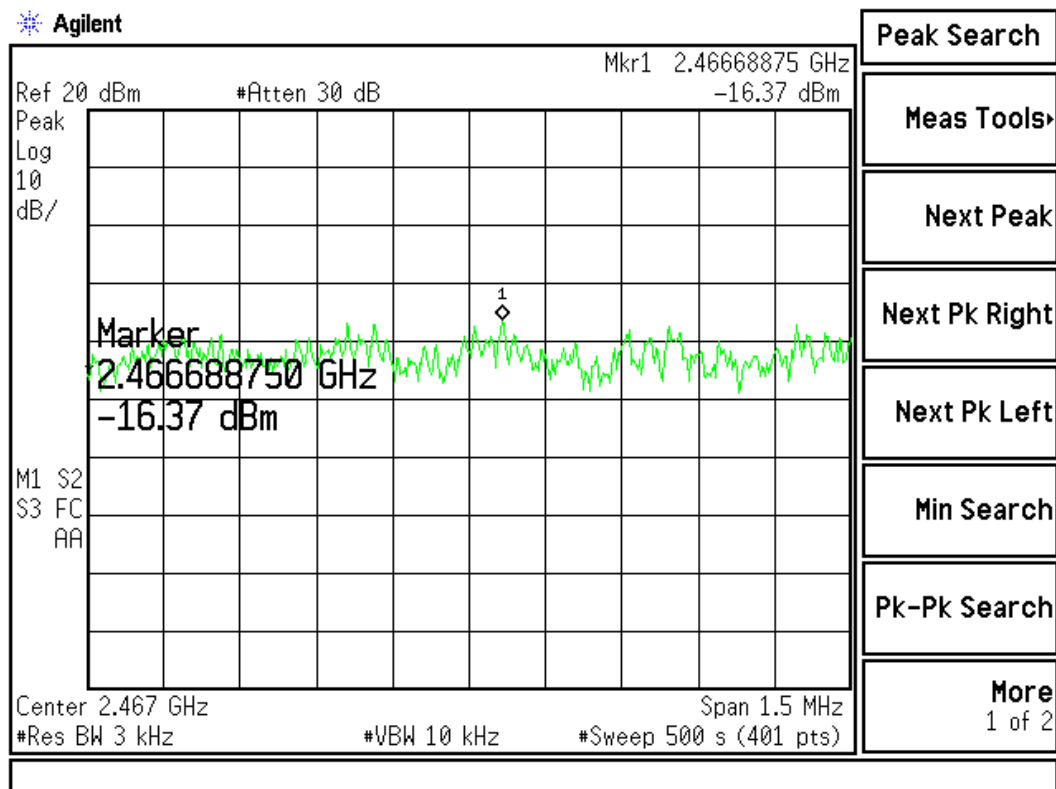
Figure Channel 6:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n MCS7 65Mbps 20MBW) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (65Mbps)	2462.00	-16.37	< 8dBm	Pass

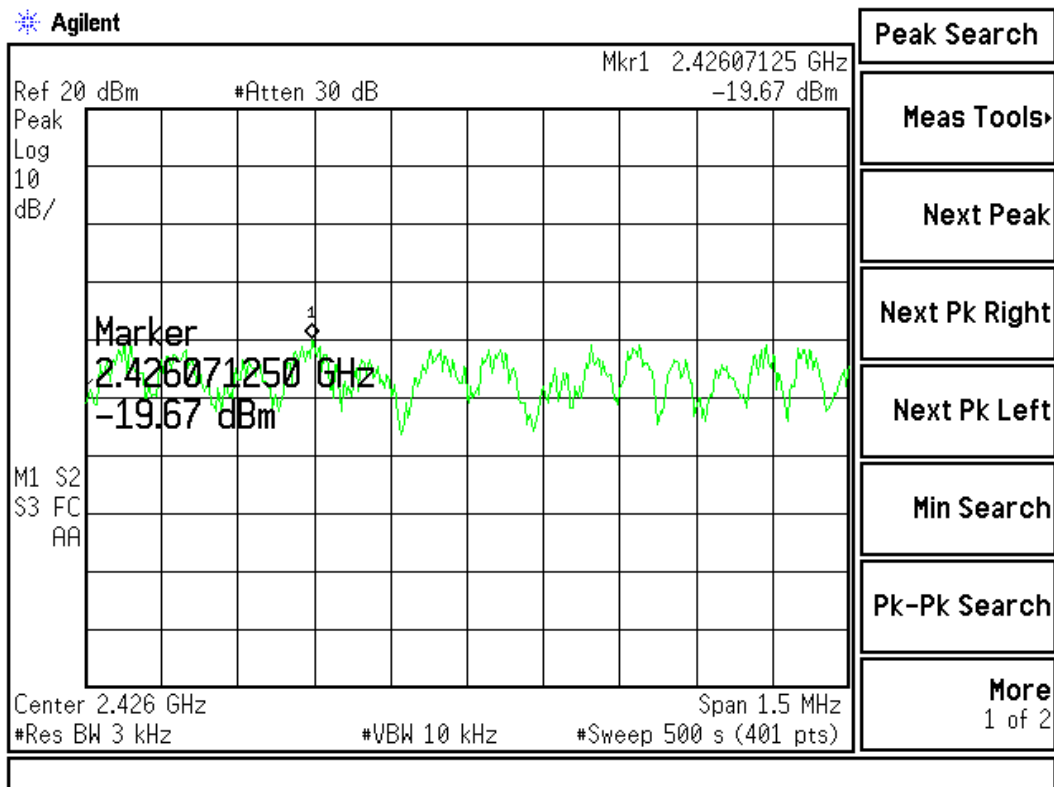
Figure Channel 11:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2422MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (130Mbps)	2422.00	-19.67	< 8dBm	Pass

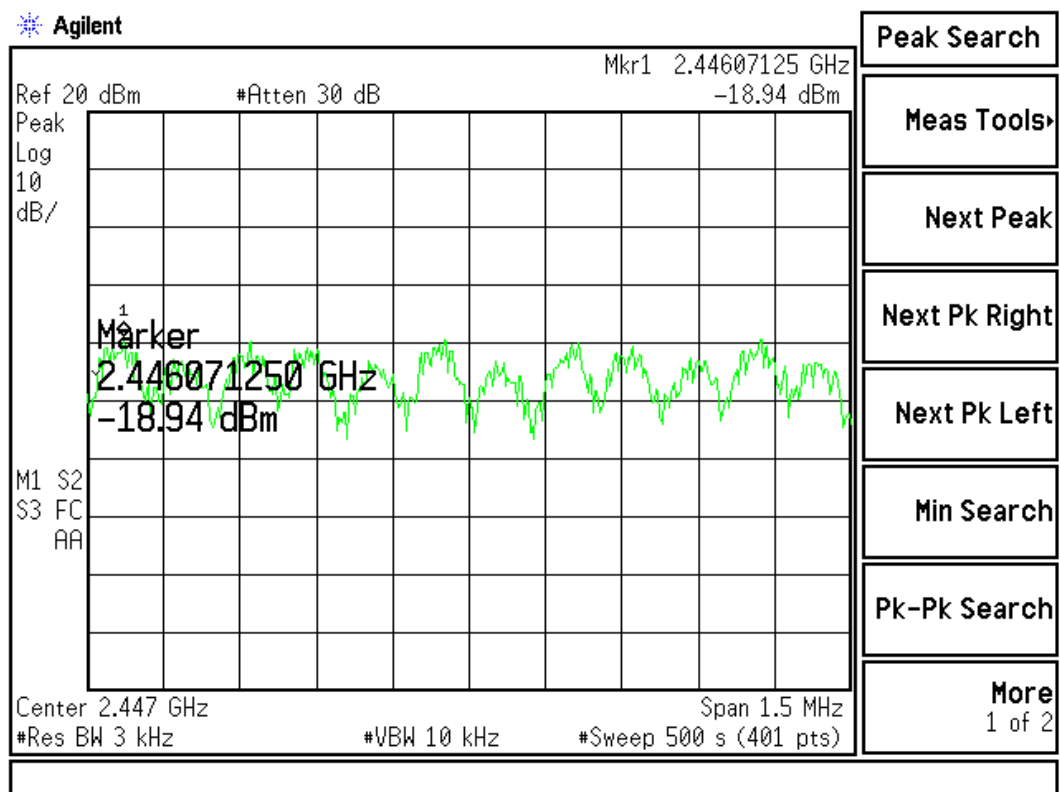
Figure Channel 1:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
4 (130Mbps)	2437.000	-18.94	< 8dBm	Pass

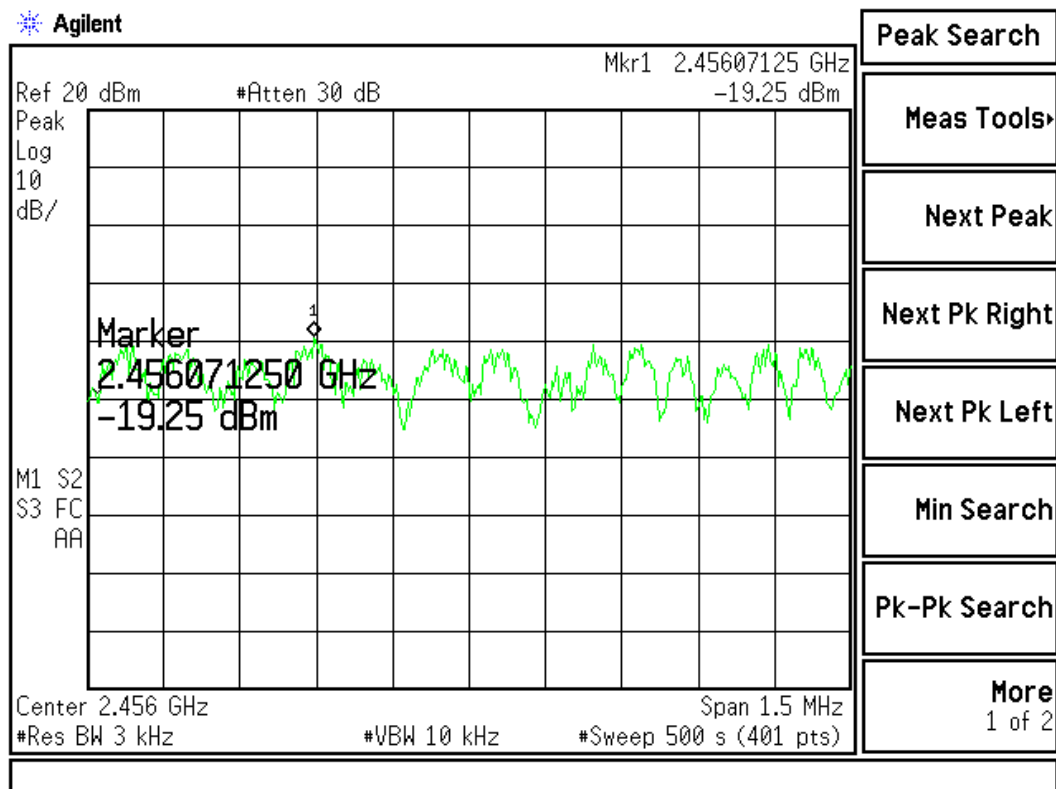
Figure Channel 4:



Product : Table PC
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmitter (802.11n MCS15 130Mbps 40MBW) (2452MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
07 (6Mbps)	2452.00	-19.25	< 8dBm	Pass

Figure Channel 7:



8. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs