

# FC

## Test Report

Product Name	Tablet PC
Model No	T10Y
FCC ID.	FKGMPCT0168

Applicant	Twinhead International Corp.
Address	10F, 550 Rueiguang Road Neihu, Taipei, Taiwan 114, R.O.C.

Date of Receipt	May. 27, 2008
Issue Date	July. 16, 2008
Report No.	086028R-RFUSP05V01
Version	V1.0

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

Issue Date: July. 16, 2008

Report No.: 086028R-RFUSP05V01



Accredited by NIST (NVLAP)

NVLAP Lab Code: 200533-0

Product Name	Tablet PC
Applicant	Twinhead International Corp.
Address	10F, 550 Rueiguang Road Neihu, Taipei, Taiwan 114, R.O.C.
Manufacturer	Twinhead International Corp.
Model No.	T10Y
Rated Voltage	AC 120V/60Hz
Working Voltage	DC 3.3V
Trade Name	DigiHeal
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2007 ANSI C63.4: 2003
Test Result	Complied



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Vincent Lin  
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## 1. GENERAL INFORMATION

### 1.1. EUT Description

Product Name	Tablet PC
Trade Name	DigiHeal
Model No.	T10Y
FCC ID.	FKGMPCT0168
Frequency Range	WLAN: 2412-2462MHz(802.11b/g/n); 5745-5825(802.11a/n)
Number of Channels	WLAN: 802.11b/g/n: 11, 802.11a/n(20BW):5 ,802.11n(40BW):2
Data Speed	WLAN: 802.11b: 1 - 11Mbps, 802.11a/g: 6 - 54Mbps 802.11n(20BW): 13.5-144Mbps, 802.11n(40BW): 27-300Mbps
Type of Modulation	WLAN: 802.11b:DSSS DBPSK, DQPSK, CCK 802.11a/g/n:OFDM BPSK, QPSK, 16QAM, 64QAM
Antenna Interface	PIFA
Antenna Gain	Refer to the table "Antenna List"
Channel Control	AUTO
Power Adapter	MFR: LI SHIN, M/N: 0335A2065 Cable out: Non-Shielded, 1.8m with one ferrite core bonded. Power Cord: Shielded, 1.5m

#### Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	wgt	TWT10WMPI01+B (Main) TWT10WMPI02+B (Aux)	PIFA	0.46 dBi in 2.4 GHz 1.69 dBi in 5GHz

## 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		

## 802.11a/n-20MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	5745 MHz	Channel 02:	5765 MHz	Channel 03:	5785 MHz	Channel 4:	5805 MHz
Channel 05:	5825 MHz						

## 802.11n-40MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency
Channel 1:	5755 MHz	Channel 2:	5795 MHz

## Note:

1. The EUT is a Tablet PC with a built-in 2.4GHz & 5GHz WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11a/b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices
4. 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 Tablet PC with a built-in 2.4GHz and 5GHz WLAN card. This device provided four kinds of transmitting speed 1, 2, 5.5 and 11Mbps and the device of RF carrier is DBPSK, DQPSK and CCK (IEEE 802.11b). The device provided of eight kinds of transmitting speed 6, 9, 12, 18, 24, 36, 48 and 54Mbps the device of RF carrier is BPSK, QPSK, 16QAM and 64QAM (IEEE 802.11a/g).

The device provided of eight kinds of transmitting speed 13.5,26,39,52,78,104,117 and 130Mbps in 802.11n(20BW) mode and 27,54,81,108,162,216,243 and 270Mbps(40BW) the device of RF carrier is BPSK, QPSK, 16QAM and 64QAM (IEEE 802.11n).

The device adapts direct sequence spread spectrum modulation. The antenna provides diversity function to improve the receiving function.

This Tablet PC, compliant with IEEE 802.11b and IEEE 802.11a/g/n, 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 being bound to the network wires. Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) radio transmission, the Tablet PC Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any IEEE 802.11b and IEEE 802.11a/g/n network.

Test Mode:	Mode 1: Transmitter (802.11b 1Mbps)
	Mode 2: Transmitter (802.11g 6Mbps)
	Mode 3: Transmitter (802.11a 6Mbps)
	Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B
	Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B
	Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B

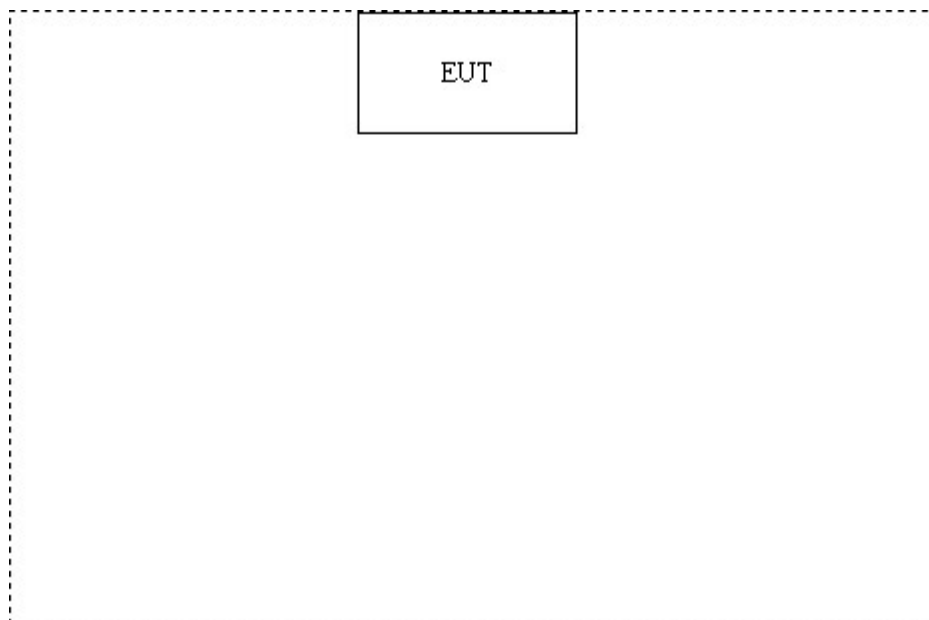
### 1.3. Tested System Details

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 Tested System



### 1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute the CRTU program (Version 4.1.20.0000) on the EUT
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press “OK” to start the continuous Transmitter.
- (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

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site : <http://tw.quietek.com/modules/myalbum/>  
The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

Site Description: File on  
Federal Communications Commission  
FCC Engineering Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046  
Registration Number: 92195



Accreditation on NVLAP  
NVLAP Lab Code: 200533-0



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FCC Accreditation Number: TW1014



## 2. Conducted Emission

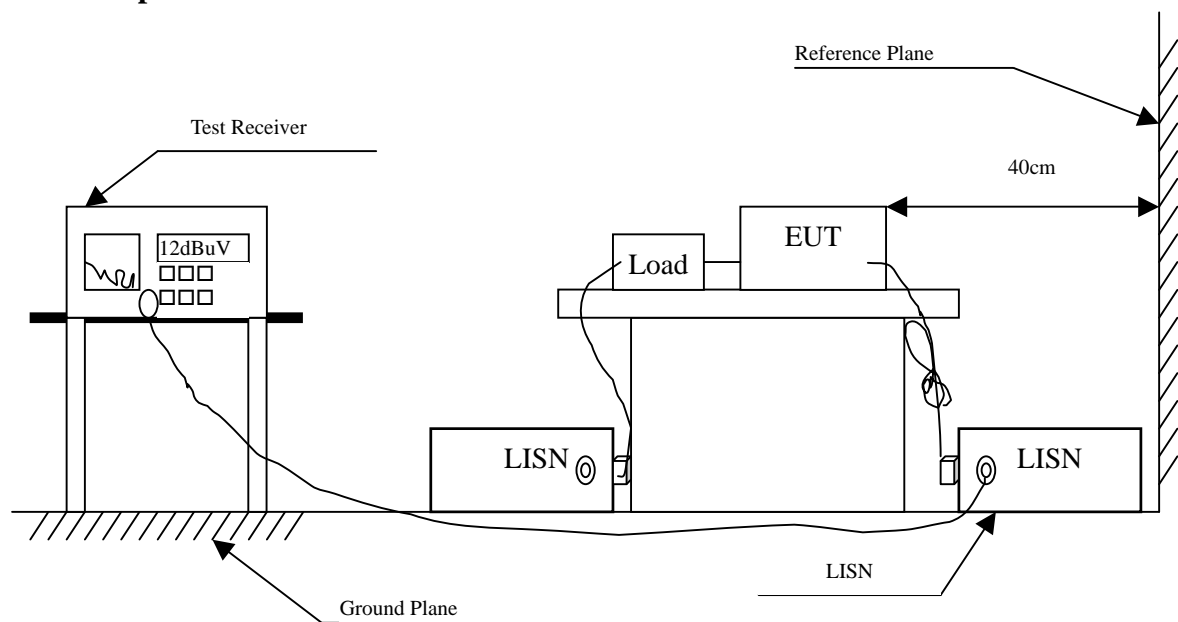
### 2.1. Test Equipment

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, 2008	
2	L.I.S.N.	R & S	ESH3-Z5/825016/6	May, 2008	EUT
3	L.I.S.N.	Kyoritsu	KNW-407/8-1420-3	May, 2008	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2	May, 2008	
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	56-46
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 invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

## 2.5. Uncertainty

$\pm 2.26$  dB

## 2.6. Test Result of Conducted Emission

Product : Tablet PC  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
<b>Line 1</b>					
<b>Quasi-Peak</b>					
0.185	9.819	31.740	41.559	-23.441	65.000
0.236	9.830	25.520	35.350	-28.193	63.543
0.521	9.820	26.560	36.380	-19.620	56.000
0.662	9.830	16.330	26.160	-29.840	56.000
3.209	9.860	6.960	16.820	-39.180	56.000
18.330	10.200	13.760	23.960	-36.040	60.000
<b>Average</b>					
0.185	9.819	23.070	32.889	-22.111	55.000
0.236	9.830	18.890	28.720	-24.823	53.543
0.521	9.820	22.510	32.330	-13.670	46.000
0.662	9.830	11.460	21.290	-24.710	46.000
3.209	9.860	0.440	10.300	-35.700	46.000
18.330	10.200	8.540	18.740	-31.260	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
4. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and data rate.
5. Only worst case is shown in the test mode.

Product : Tablet PC  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
<b>Line 2</b>					
<b>Quasi-Peak</b>					
0.189	9.860	32.200	42.060	-22.826	64.886
0.283	9.850	21.710	31.560	-30.640	62.200
0.470	9.830	24.950	34.780	-22.077	56.857
0.646	9.830	14.870	24.700	-31.300	56.000
1.033	9.830	14.610	24.440	-31.560	56.000
15.447	10.220	16.160	26.380	-33.620	60.000
<b>Average</b>					
0.189	9.860	24.090	33.950	-20.936	54.886
0.283	9.850	17.050	26.900	-25.300	52.200
0.470	9.830	22.690	32.520	-14.337	46.857
0.646	9.830	4.910	14.740	-31.260	46.000
1.033	9.830	9.920	19.750	-26.250	46.000
15.447	10.220	12.300	22.520	-27.480	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
4. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and data rate.
5. Only worst case is shown in the test mode.

Product : Tablet PC  
 Test Item : Conducted Emission Test  
 Power Line : Line 1  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
<b>Line 1</b>					
<b>Quasi-Peak</b>					
0.182	9.818	27.290	37.108	-27.978	65.086
0.232	9.830	25.500	35.330	-28.327	63.657
0.377	9.820	21.210	31.030	-28.484	59.514
0.513	9.820	27.940	37.760	-18.240	56.000
0.787	9.830	12.840	22.670	-33.330	56.000
16.365	10.190	16.430	26.620	-33.380	60.000
<b>Average</b>					
0.182	9.818	17.540	27.358	-27.728	55.086
0.232	9.830	17.420	27.250	-26.407	53.657
0.377	9.820	19.220	29.040	-20.474	49.514
0.513	9.820	24.100	33.920	-12.080	46.000
0.787	9.830	3.910	13.740	-32.260	46.000
16.365	10.190	11.700	21.890	-28.110	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
4. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and data rate.
5. Only worst case is shown in the test mode.

Product : Tablet PC  
 Test Item : Conducted Emission Test  
 Power Line : Line 2  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755Hz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV	dB	dBuV
<b>Line 2</b>					
<b>Quasi-Peak</b>					
0.150	9.879	30.790	40.669	-25.331	66.000
0.283	9.850	21.930	31.780	-30.420	62.200
0.513	9.830	27.890	37.720	-18.280	56.000
1.037	9.830	14.630	24.460	-31.540	56.000
3.548	9.860	7.310	17.170	-38.830	56.000
16.232	10.220	17.770	27.990	-32.010	60.000
<b>Average</b>					
0.150	9.879	15.950	25.829	-30.171	56.000
0.283	9.850	17.100	26.950	-25.250	52.200
0.513	9.830	23.960	33.790	-12.210	46.000
1.037	9.830	9.860	19.690	-26.310	46.000
3.548	9.860	0.230	10.090	-35.910	46.000
16.232	10.220	13.000	23.220	-26.780	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
4. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, antenna ports (if EUT with antenna diversity architecture), and data rate.
5. Only worst case is shown in the test mode.

### 3. Peak Power Output

#### 3.1. Test Equipment

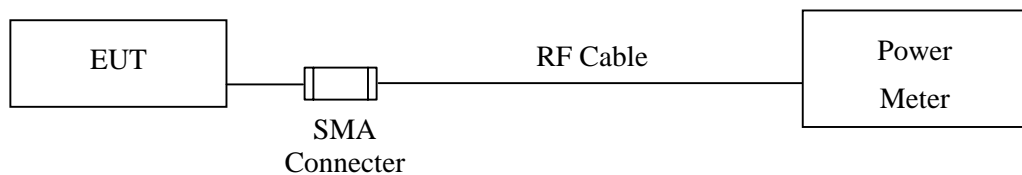
The following test equipments are used during the radiated emission tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2008
X	Power Sensor	Anritsu	MA2491A/034457	May, 2008

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 tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

#### 3.5. Uncertainty

$\pm 1.27$  dB

### 3.6. Test Result of Peak Power Output

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

Cable loss=0.5dB		Peak Power Output				
Channel No.	Frequency (MHz)	Data Rate(Mbps)				Required Limit
		1	2	5.5	11	
1	2412.00	19.07	--	--	--	1Watt= 30 dBm
6	2437.00	19.24	19.11	18.78	18.21	1Watt= 30 dBm
11	2462.00	20.03	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

Product : Tablet PC  
Test Item : Peak Power Output Data  
Test Site : No.3 OATS  
Test Mode : Mode 2: Transmitter (802.11g 6Mbps)

Cable loss=0.5dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
1	2412.00	23.80	--	--	--	--	--	--	--	1Watt= 30 dBm
6	2437.00	23.83	22.28	22.25	21.17	20.3	19.28	18.5	19.17	1Watt= 30 dBm
11	2462.00	23.48	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

Product : Tablet PC  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps)

Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
1	5745.00	19.61	--	--	--	--	--	--	--	1Watt= 30 dBm
3	5785.00	19.71	19.21	18.78	18.11	17.85	17.33	16.98	16.57	1Watt= 30 dBm
5	5825.00	19.91	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

Product : Tablet PC  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

#### Ant- A

Cable loss=0.5dB		Peak Power Output								Required Limit
Channel No.	Frequency (MHz)	Data Rate(MCS)								
		8	9	10	11	12	13	14	15	
1	2412.00	23.7	--	--	--	--	--	--	--	1Watt= 30 dBm
6	2437.00	23.62	22	21.65	20.15	20.11	22.19	22.19	20.68	1Watt= 30 dBm
11	2462.00	23.66	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

#### Ant-B

Cable loss=0.5dB		Peak Power Output								Required Limit
Channel No.	Frequency (MHz)	Data Rate(MCS)								
		8	9	10	11	12	13	14	15	
1	2412.00	23.53	--	--	--	--	--	--	--	1Watt= 30 dBm
6	2437.00	23.6	22.25	21.55	20.11	20.03	21.6	21.3	20.11	1Watt= 30 dBm
11	2462.00	23.64	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

#### Ant A+ B

		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		8	9	10	11	12	13	14	15	
1	2412.00	26.63	--	--	--	--	--	--	--	1Watt= 30 dBm
6	2437.00	26.62	25.14	24.61	23.14	23.08	24.92	24.78	23.41	1Watt= 30 dBm
11	2462.00	26.66	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Ant A+ Ant B

Product : Tablet PC  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B

#### Ant A

Cable loss=1dB		Peak Power Output								Required Limit
Channel No.	Frequency (MHz)	Data Rate(MCS)								
		8	9	10	11	12	13	14	15	
1	5745.00	19.79	--	--	--	--	--	--	--	1Watt= 30 dBm
3	5785.00	20.59	19.11	18.78	18.21	17.85	17.32	16.98	16.57	1Watt= 30 dBm
5	5825.00	21.49	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

#### Ant B

Cable loss=1dB		Peak Power Output								Required Limit
Channel No.	Frequency (MHz)	Data Rate(MCS)								
		8	9	10	11	12	13	14	15	
1	5745.00	20.39	--	--	--	--	--	--	--	1Watt= 30 dBm
3	5785.00	24.49	20.58	19.64	18.12	17.76	17.24	16.67	16.46	1Watt= 30 dBm
5	5825.00	22.59	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

#### Ant A + B

		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		8	9	10	11	12	13	14	15	
1	5745.00	23.11	--	--	--	--	--	--	--	1Watt= 30 dBm
3	5785.00	25.97	22.92	22.24	21.18	20.82	20.29	19.84	19.53	1Watt= 30 dBm
5	5825.00	25.09	--	--	--	--	--	--	--	1Watt= 30 dBm

Note: Peak Power Output Value = Ant A + Ant B

Product : Tablet PC  
 Test Item : Peak Power Output Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B

#### Ant A

Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		8	9	10	11	12	13	14	15	
1	5755.00	19.24	--	--	--	--	--	--	--	1Watt= 30 dBm
2	5795.00	19.34	18.85	18.24	17.95	17.54	17.21	16.85	16.53	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

#### Ant B

Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		8	9	10	11	12	13	14	15	
1	5755.00	19.66	--	--	--	--	--	--	--	1Watt= 30 dBm
2	5795.00	20.58	18.77	18.21	17.85	17.5	17.19	16.79	16.49	1Watt= 30 dBm

Note: Peak Power Output Value =Reading value on peak power meter + cable loss

#### Ant A + B

		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		8	9	10	11	12	13	14	15	
1	5755.00	22.47	--	--	--	--	--	--	--	1Watt= 30 dBm
2	5795.00	23.01	21.82	21.24	20.91	20.53	20.21	19.83	19.52	1Watt= 30 dBm

Note: Peak Power Output Value = Ant A + Ant B

#### 4. Radiated Emission

##### 4.1. Test Equipment

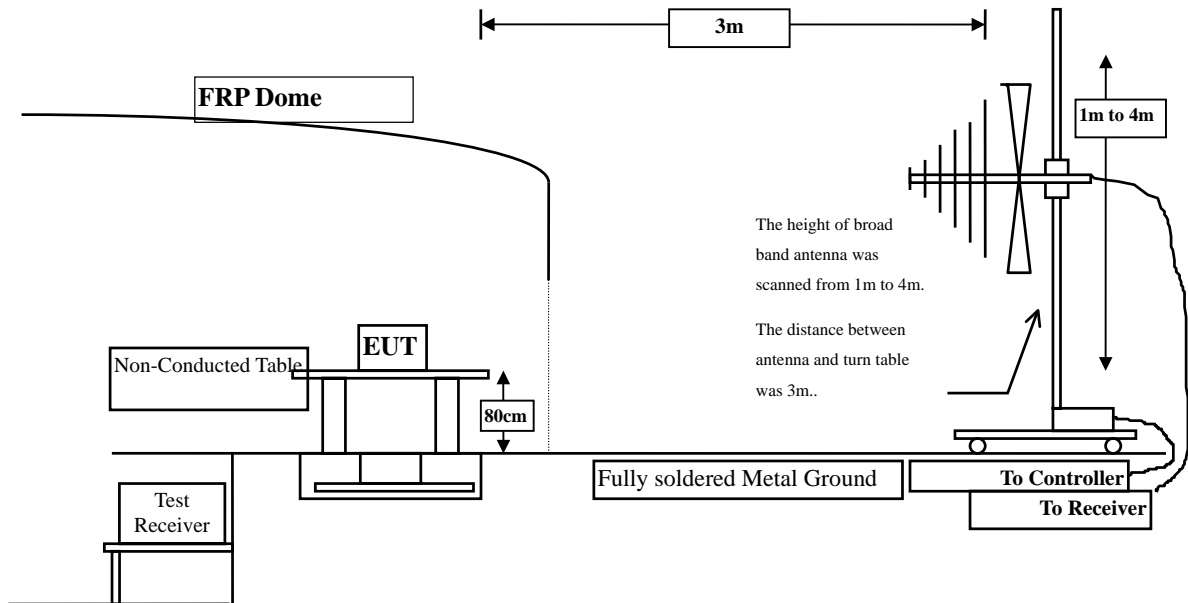
The following test equipment are used during the radiated emission test:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
<input checked="" type="checkbox"/> Site # 3	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2007
	X	Pre-Amplifier	AGILENT	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., 2008
	X	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

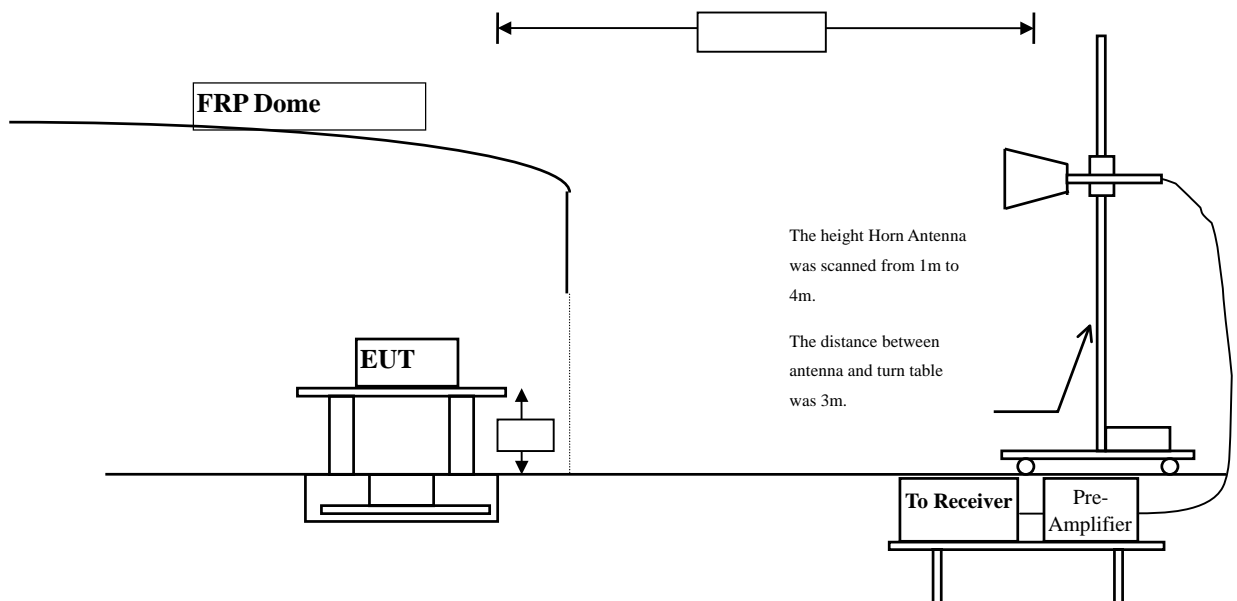
- Note:
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
  2. The test instruments marked with “X” are used to measure the final test results.

## 4.2. Test Setup

### Radiated Emission Below 1GHz



### Radiated Emission Above 1GHz



### 4.3. 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.

<b>FCC Part 15 Subpart C Paragraph 15.209(a) Limits</b>		
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: E field strength (dBuV/m) = 20 log E field strength (uV/m)

### 4.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 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 is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

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

Radiated emission measurements below 1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB beamwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The frequency range from 30MHz to 10th harmonics is checked.

#### 4.5. Uncertainty

$\pm 3.9$  dB above 1GHz

$\pm 3.8$  dB below 1GHz

#### 4.6. Test Result of Radiated Emission

Product : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter (802.11b 1Mbps) (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	3.623	40.050	43.683	-30.327	74.000
7236.000	9.189	35.900	44.999	-29.011	74.000
9648.000	11.689	36.690	48.569	-25.421	74.000
<b>Average Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
4824.000	3.623	40.050	43.673	-30.327	74.000
7236.000	9.189	35.800	44.989	-29.011	74.000
9648.000	11.689	36.890	48.579	-25.421	74.000
<b>Average Detector:</b>					
--					

#### Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
4874.000	3.803	38.730	42.532	-31.468	74.000
7311.000	9.384	35.200	44.584	-29.416	74.000
9748.000	11.672	36.100	47.773	-26.227	74.000
<b>Average</b>					
<b>Detector:</b>					
--					
<b>Vertical</b>					
<b>Peak Detector:</b>					
4874.000	3.803	39.500	43.302	-30.698	74.000
7311.000	9.384	35.210	44.594	-29.406	74.000
9748.000	11.672	35.990	47.663	-26.337	74.000
<b>Average</b>					
<b>Detector:</b>					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
Test Item : Harmonic Radiated Emission Data  
Test Site : No.3 OATS  
Test Mode : Mode 1: Transmitter (802.11b 1Mbps) (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	40.120	44.195	-29.805	74.000
7386.000	9.812	34.450	44.262	-29.738	74.000
9848.000	11.819	36.570	48.389	-25.611	74.000

##### Average

##### Detector:

--

#### Vertical

##### Peak Detector:

4924.000	4.075	39.600	43.675	-30.325	74.000
7386.000	9.812	35.640	45.452	-28.548	74.000
9848.000	11.819	37.980	49.799	-24.201	74.000

##### Average

##### Detector:

--

#### Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (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	40.010	43.733	-30.267	74.000
7236.000	9.439	36.150	45.589	-28.411	74.000
9648.000	11.829	35.580	47.409	-26.591	74.000

##### Average

##### Detector:

--

#### Vertical

##### Peak Detector:

4824.000	3.723	36.750	40.473	-33.527	74.000
7236.000	9.439	35.660	45.099	-28.901	74.000
9648.000	11.829	36.840	48.669	-25.331	74.000

##### Average

##### Detector:

--

#### Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (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	44.780	48.672	-25.328	74.000
7311.000	9.624	35.150	44.774	-29.226	74.000
9748.000	11.805	35.600	47.406	-26.594	74.000

##### Average

##### Detector:

--

#### Vertical

##### Peak Detector:

4874.000	3.893	36.670	40.562	-33.438	74.000
7311.000	9.624	34.830	44.454	-29.546	74.000
9748.000	11.805	35.920	47.726	-26.274	74.000

##### Average

##### Detector:

--

#### Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
Test Item : Harmonic Radiated Emission Data  
Test Site : No.3 OATS  
Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m

#### Horizontal

##### Peak Detector:

4924.000	4.075	37.590	41.665	-32.335	74.000
7386.000	9.812	34.260	44.072	-29.928	74.000
9848.000	11.819	35.860	47.679	-26.321	74.000

##### Average

##### Detector:

--

#### Vertical

##### Peak Detector:

4924.000	4.075	37.200	41.275	-32.725	74.000
7386.000	9.812	34.800	44.612	-29.388	74.000
9848.000	11.819	36.560	48.379	-25.621	74.000

##### Average

##### Detector:

--

#### Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5745MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11490.000	15.526	43.590	59.116	-14.884	74.000
<b>Average Detector:</b>					
11490.000	15.526	23.200	38.726	-15.274	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11490.000	15.526	42.530	58.056	-15.944	74.000
<b>Average Detector:</b>					
11490.000	15.526	21.920	37.446	-16.554	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5785MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11570.000	14.910	48.830	63.740	-10.260	74.000
<b>Average Detector:</b>					
11570.000	14.910	32.620	47.530	-6.470	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11570.000	14.910	48.090	63.000	-11.000	74.000
<b>Average Detector:</b>					
11570.000	14.910	32.630	47.540	-6.460	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5825MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11650.000	14.691	42.490	57.181	-16.819	74.000
<b>Average Detector:</b>					
11650.000	14.691	27.270	41.961	-12.039	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11650.000	14.691	43.200	57.891	-16.109	74.000
<b>Average Detector:</b>					
11650.000	14.691	27.340	42.031	-11.969	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (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	41.110	44.833	-29.167	74.000
7236.000	9.439	34.930	44.369	-29.631	74.000
9648.000	11.829	36.020	47.849	-26.151	74.000

##### Average Detector:

--

#### Vertical

##### Peak Detector:

4824.000	3.723	37.010	40.733	-33.267	74.000
7236.000	9.439	36.490	45.929	-28.071	74.000
9648.000	11.829	35.820	47.649	-26.351	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m

#### Horizontal

##### Peak Detector:

4874.000	3.893	40.200	44.092	-29.908	74.000
7311.000	9.624	35.490	45.114	-28.886	74.000
9748.000	11.805	35.590	47.396	-26.604	74.000

##### Average Detector:

--

#### Vertical

##### Peak Detector:

4874.000	3.893	36.210	40.102	-33.898	74.000
7311.000	9.624	34.670	44.294	-29.706	74.000
9748.000	11.805	36.900	48.706	-25.294	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2462MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m

#### Horizontal

##### Peak Detector:

4924.000	4.075	37.020	41.095	-32.905	74.000
7386.000	9.812	34.650	44.462	-29.538	74.000
9848.000	11.819	36.560	48.379	-25.621	74.000

##### Average Detector:

--

#### Vertical

##### Peak Detector:

4924.000	4.075	37.470	41.545	-32.455	74.000
7386.000	9.812	34.870	44.682	-29.318	74.000
9848.000	11.819	37.040	48.859	-25.141	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5745MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11490.000	15.526	50.720	66.246	-7.754	74.000
<b>Average Detector:</b>					
11490.000	15.526	34.180	49.706	-4.294	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11490.000	15.526	50.600	66.126	-7.874	74.000
<b>Average Detector:</b>					
11490.000	15.526	33.610	49.136	-4.864	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11570.000	14.910	46.810	61.720	-12.280	74.000
<b>Average Detector:</b>					
11570.000	14.910	31.630	46.540	-7.460	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11570.000	14.910	47.670	62.580	-11.420	74.000
<b>Average Detector:</b>					
11570.000	14.910	31.900	46.810	-7.190	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5825MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11650.000	14.691	42.710	57.401	-16.599	74.000
<b>Average Detector:</b>					
11650.000	14.691	27.070	41.761	-12.239	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11650.000	14.691	41.590	56.281	-17.719	74.000
<b>Average Detector:</b>					
11650.000	14.691	26.900	41.591	-12.409	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11510.000	15.370	46.280	61.649	-12.351	74.000
<b>Average Detector:</b>					
11510.000	15.370	28.070	43.439	-10.561	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11510.000	15.370	45.300	60.669	-13.331	74.000
<b>Average Detector:</b>					
11510.000	15.370	28.540	43.909	-10.091	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
<b>Peak Detector:</b>					
11590.000	14.768	42.610	57.378	-16.622	74.000
<b>Average Detector:</b>					
11590.000	14.768	25.850	40.618	-13.382	54.000
<b>Vertical</b>					
<b>Peak Detector:</b>					
11590.000	14.768	42.620	57.388	-16.612	74.000
<b>Average Detector:</b>					
11590.000	14.768	25.640	40.408	-13.592	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:3MHz; Span:10MHz °
3. Receiver setting (AVG Detector) : RBW:1MHz; VBW:10Hz; Span:10MHz °
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 : Tablet PC  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
143.975	11.972	8.764	20.736	-22.764	43.500
299.175	14.130	11.365	25.495	-20.505	46.000
385.490	15.772	9.079	24.850	-21.150	46.000
500.598	18.367	8.383	26.750	-19.250	46.000
524.890	18.518	9.841	28.360	-17.640	46.000
849.678	22.266	2.332	24.598	-21.402	46.000
<b>Vertical</b>					
267.580	14.205	10.761	24.965	-21.035	46.000
436.250	19.057	5.533	24.590	-21.410	46.000
506.580	18.614	8.486	27.100	-18.900	46.000
563.580	21.138	1.796	22.935	-23.065	46.000
750.360	23.186	4.064	27.250	-18.750	46.000
844.500	21.526	3.444	24.970	-21.030	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
143.975	11.972	15.388	27.360	-16.140	43.500
299.185	14.130	11.711	25.841	-20.159	46.000
551.365	20.095	3.485	23.580	-22.420	46.000
633.580	20.843	3.306	24.150	-21.850	46.000
716.275	20.692	3.192	23.884	-22.116	46.000
849.360	22.255	1.224	23.478	-22.522	46.000
<b>Vertical</b>					
284.360	13.790	12.794	26.584	-19.416	46.000
333.265	14.326	9.258	23.584	-22.416	46.000
425.650	19.568	7.302	26.870	-19.130	46.000
672.635	19.956	3.629	23.584	-22.416	46.000
759.645	22.952	4.448	27.400	-18.600	46.000
873.950	22.449	2.241	24.690	-21.310	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5785 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
367.250	15.928	7.652	23.580	-22.420	46.000
464.250	18.668	7.292	25.960	-20.040	46.000
525.360	18.527	7.434	25.960	-20.040	46.000
672.625	20.659	3.701	24.360	-21.640	46.000
724.690	21.169	1.527	22.695	-23.305	46.000
824.690	21.861	4.984	26.845	-19.155	46.000
<b>Vertical</b>					
367.285	16.475	11.775	28.250	-17.750	46.000
464.250	18.346	14.235	32.580	-13.420	46.000
585.250	21.691	1.908	23.598	-22.402	46.000
748.259	23.170	1.188	24.358	-21.642	46.000
812.450	21.713	7.276	28.990	-17.010	46.000
925.640	24.104	1.712	25.816	-20.184	46.000

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 : Tablet PC  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
258.690	14.304	9.275	23.580	-22.420	46.000
478.600	18.930	4.620	23.550	-22.450	46.000
625.890	20.826	6.764	27.590	-18.410	46.000
748.590	21.027	5.563	26.590	-19.410	46.000
842.690	22.185	1.255	23.440	-22.560	46.000
925.680	23.066	2.734	25.800	-20.200	46.000
<b>Vertical</b>					
296.300	13.724	12.865	26.589	-19.411	46.000
425.890	19.545	7.035	26.580	-19.420	46.000
563.280	21.136	4.351	25.487	-20.513	46.000
725.690	22.565	0.905	23.470	-22.530	46.000
825.690	21.413	6.177	27.590	-18.410	46.000
933.500	23.996	1.516	25.512	-20.488	46.000


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 : Tablet PC  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
265.360	14.000	11.896	25.896	-20.104	46.000
358.480	15.276	5.974	21.250	-24.750	46.000
487.590	18.465	7.425	25.890	-20.110	46.000
598.650	19.928	3.652	23.580	-22.420	46.000
785.650	21.649	3.131	24.780	-21.220	46.000
933.650	22.852	1.728	24.580	-21.420	46.000
<b>Vertical</b>					
158.140	10.003	15.737	25.740	-17.760	43.500
385.240	17.126	4.454	21.580	-24.420	46.000
585.950	21.738	6.112	27.850	-18.150	46.000
721.580	22.236	5.964	28.200	-17.800	46.000
833.640	21.463	0.387	21.850	-24.150	46.000
935.400	24.161	0.429	24.590	-21.410	46.000

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 : Tablet PC  
 Test Item : General Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dBuV	dBuV/m	dB	dBuV/m
<b>Horizontal</b>					
248.590	13.009	10.571	23.580	-22.420	46.000
365.850	15.776	5.704	21.480	-24.520	46.000
487.200	18.464	5.116	23.580	-22.420	46.000
588.360	20.064	9.516	29.580	-16.420	46.000
748.578	21.026	3.563	24.590	-21.410	46.000
833.540	21.830	6.011	27.840	-18.160	46.000
<b>Vertical</b>					
248.590	13.009	10.571	23.580	-22.420	46.000
365.850	15.776	5.704	21.480	-24.520	46.000
487.200	18.464	5.116	23.580	-22.420	46.000
588.360	20.064	9.516	29.580	-16.420	46.000
748.578	21.026	3.563	24.590	-21.410	46.000
833.540	21.830	6.011	27.840	-18.160	46.000

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. RF antenna conducted test

### 5.1. Test Equipment

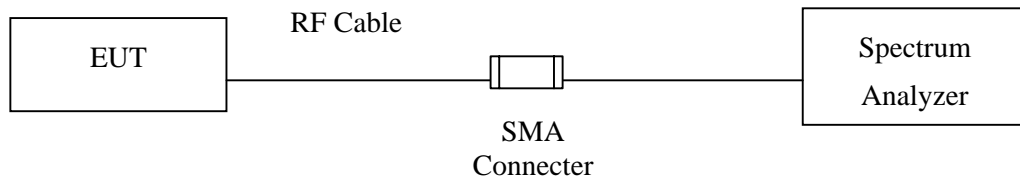
The following test equipments are used during the radiated emission tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2008
	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2008

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.  
2. The test instruments marked with “X” are used to measure the final test results.

### 5.2. Test Setup

#### RF antenna Conducted 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 was tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

## 5.5. Uncertainty

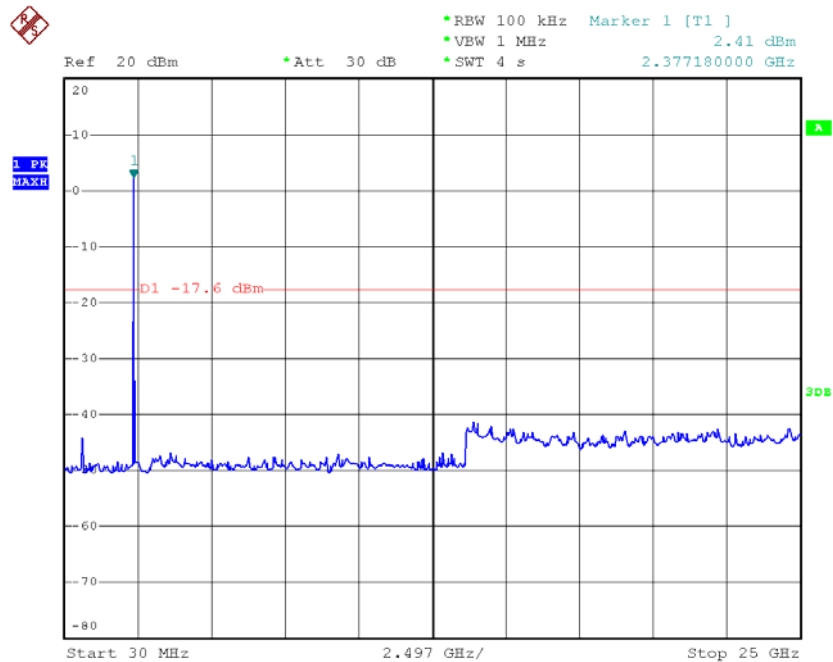
The measurement uncertainty

Conducted is defined as  $\pm 1.27\text{dB}$

## 5.6. Test Result of RF antenna conducted test

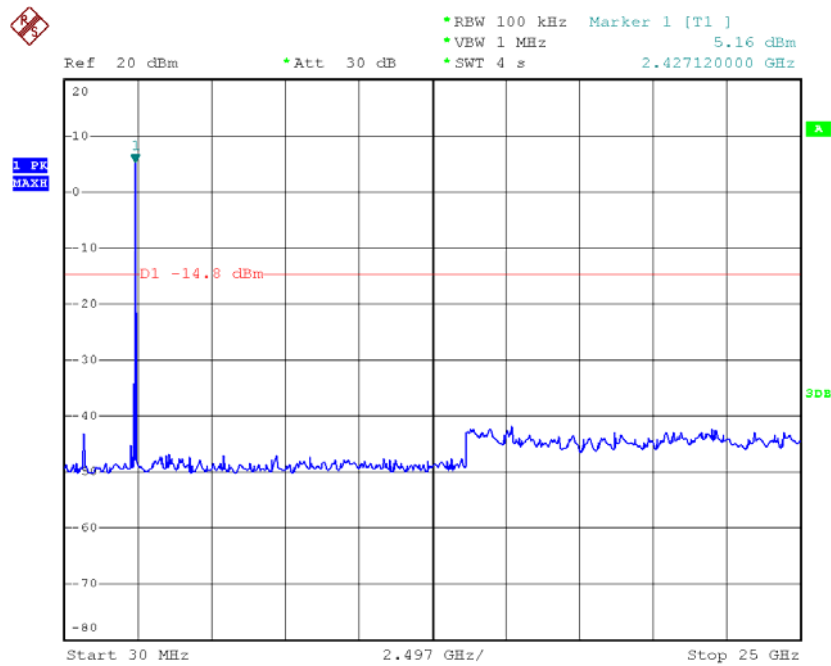
Product : Tablet PC  
 Test Item : RF antenna conducted test  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmitter (802.11b 1Mbps)

### Channel 01 (2412MHz) 30 MHz -25GHz



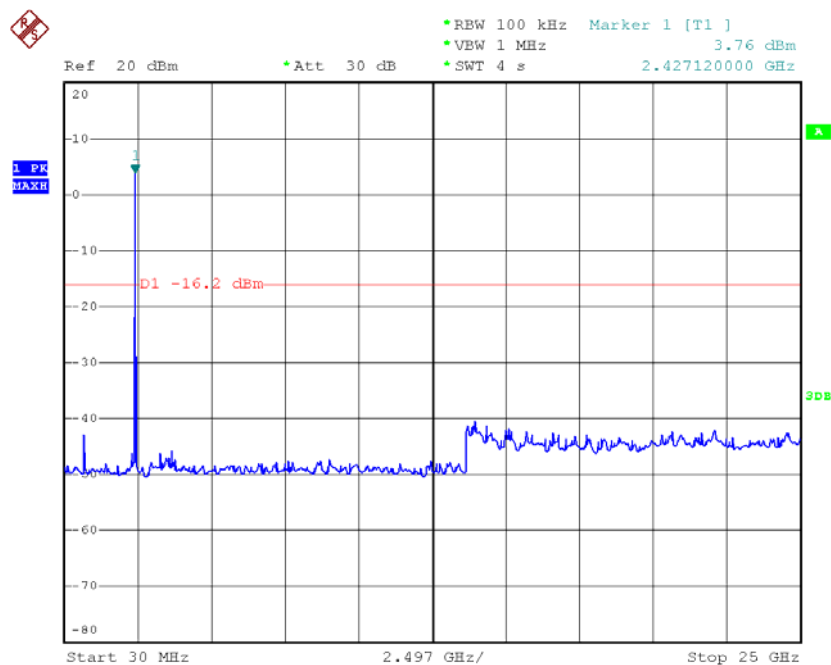
Date: 25.JUN.2008 11:05:20

### Channel 06 (2437MHz) 30 MHz -25GHz



Date: 25.JUN.2008 11:06:20

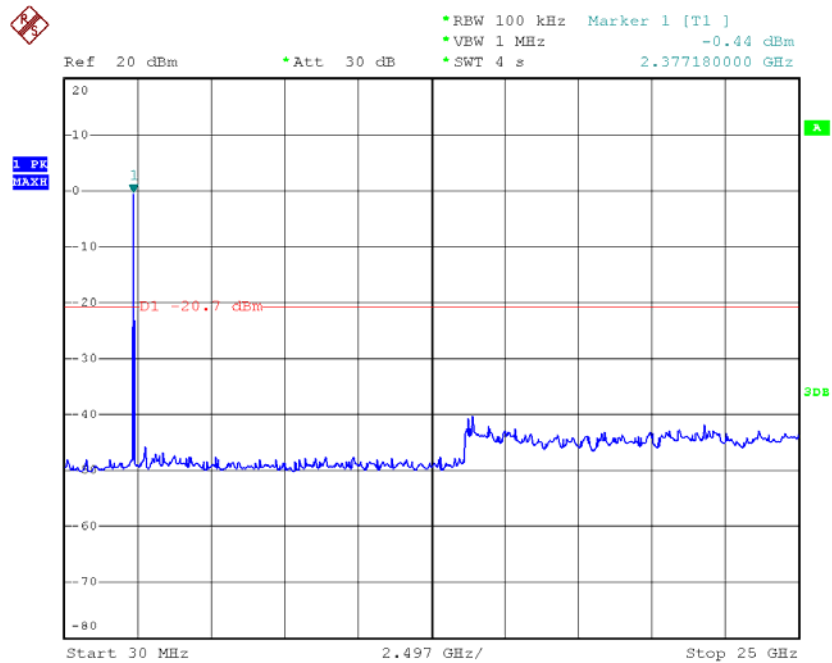
### Channel 11 (2462MHz) 30 MHz -25GHz



Date: 25.JUN.2008 11:06:57

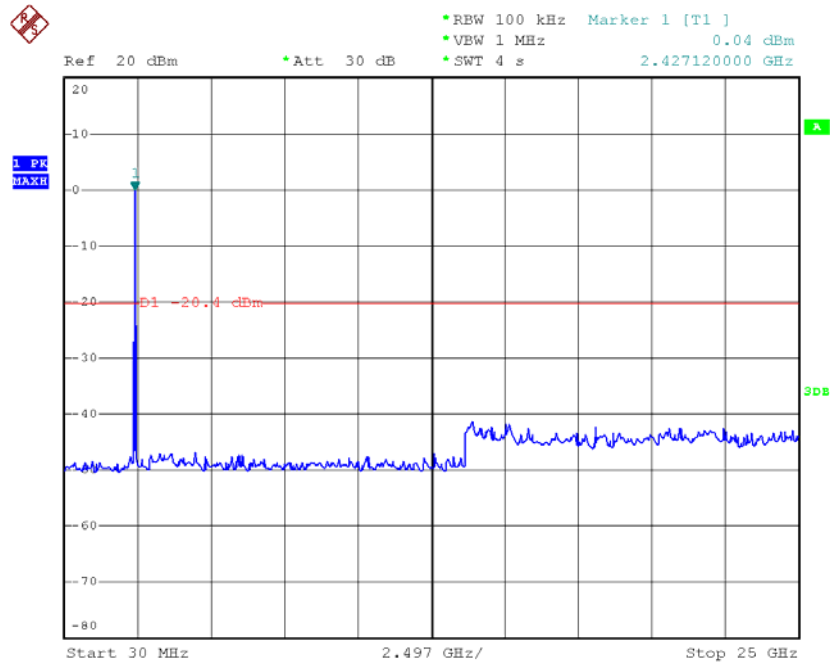
Product : Tablet PC  
 Test Item : RF Antenna Conducted Spurious  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps)

**Channel 01 (2412MHz) 30 MHz -25GHz**



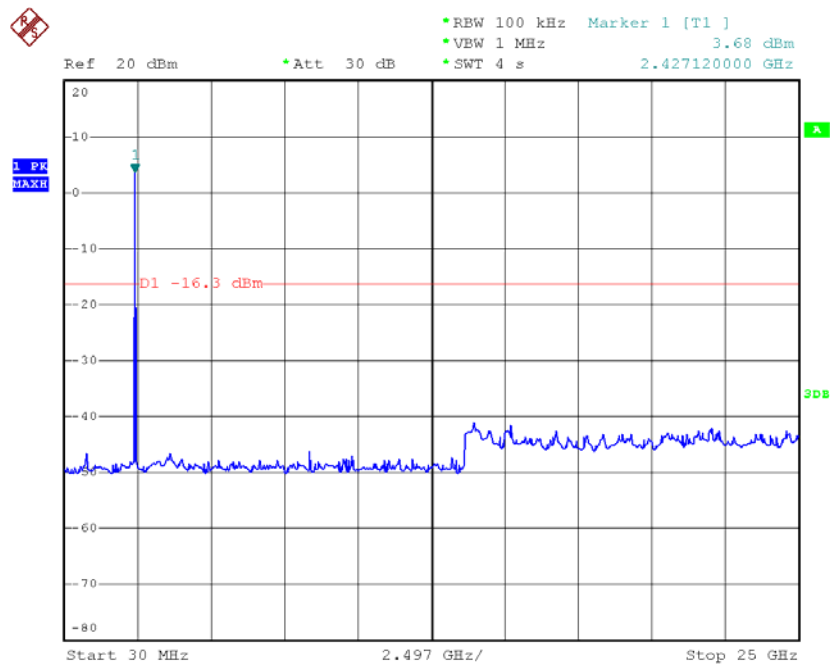
Date: 25.JUN.2008 11:12:00

### Channel 06 (2437MHz) 30 MHz -25GHz



Date: 25.JUN.2008 11:13:12

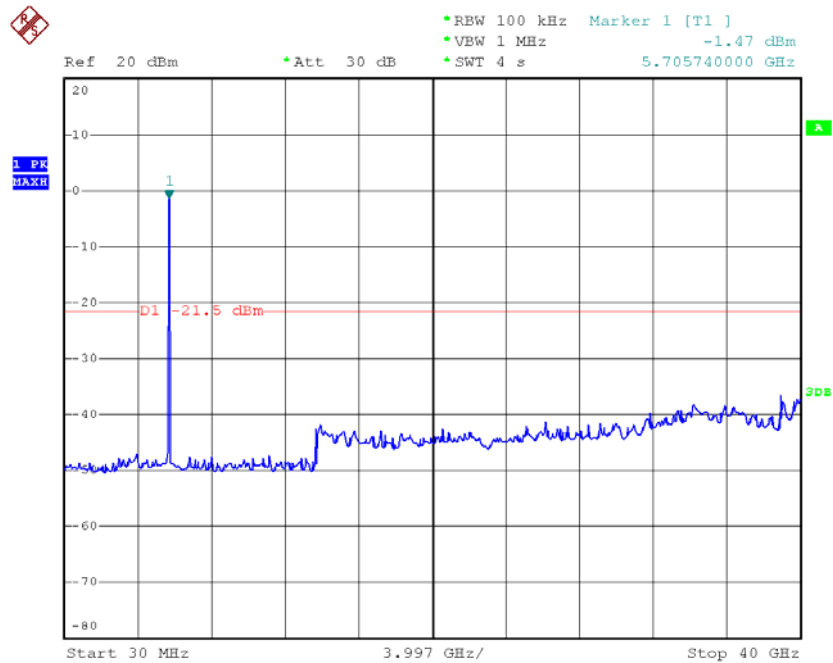
### Channel 11 (2462MHz) 30 MHz -25GHz



Date: 25.JUN.2008 11:13:42

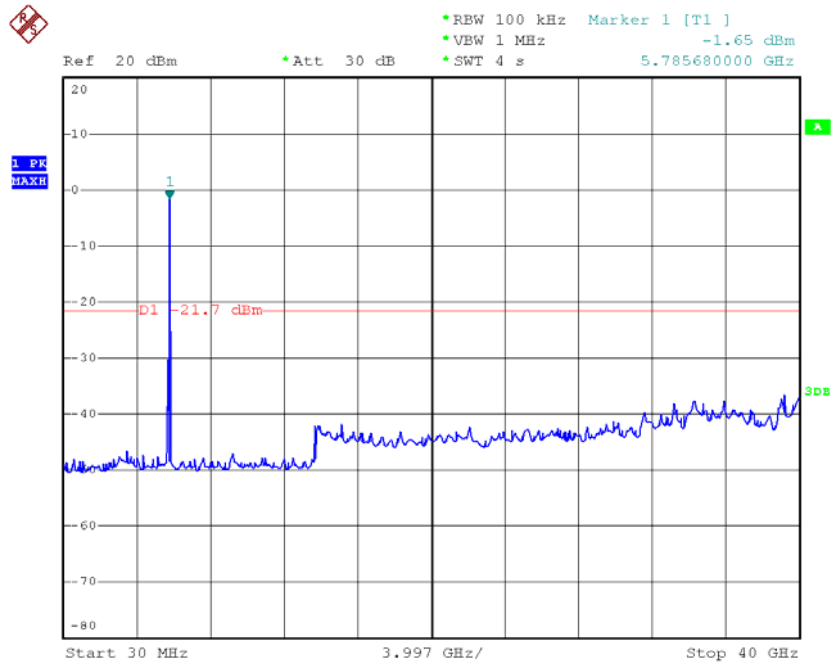
Product : Tablet PC  
 Test Item : RF antenna conducted test  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps)

**Channel 01 (5745MHz) 30 MHz -40GHz**



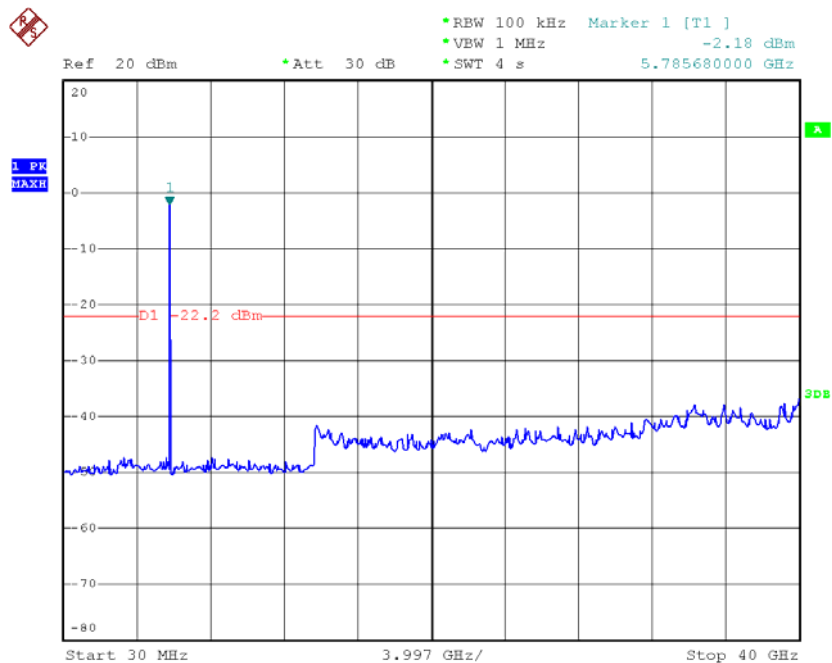
Date: 25.JUN.2008 11:15:31

### Channel 03 (5785MHz) 30 MHz -40GHz



Date: 25.JUN.2008 11:16:05

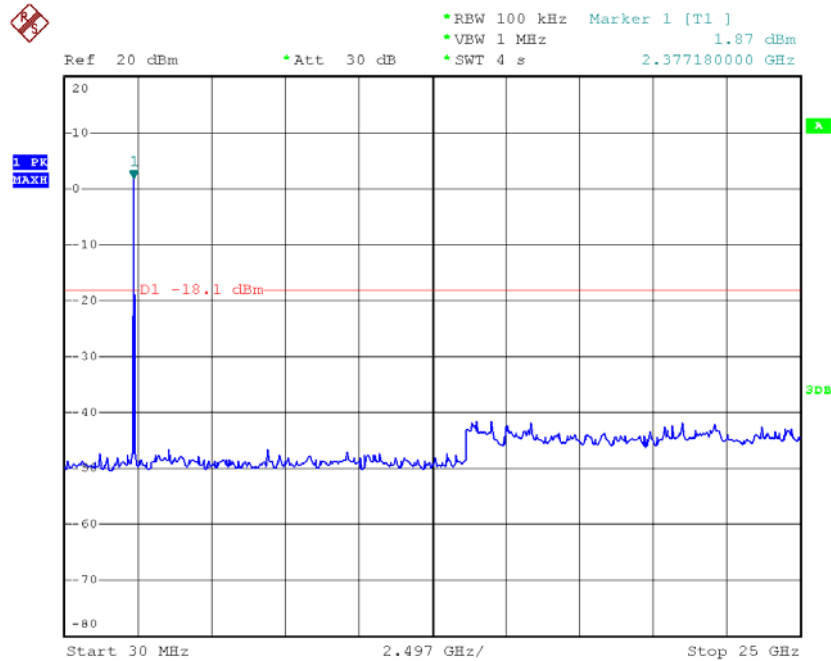
### Channel 05 (5825MHz) 30 MHz -40GHz



Date: 25.JUN.2008 11:16:33

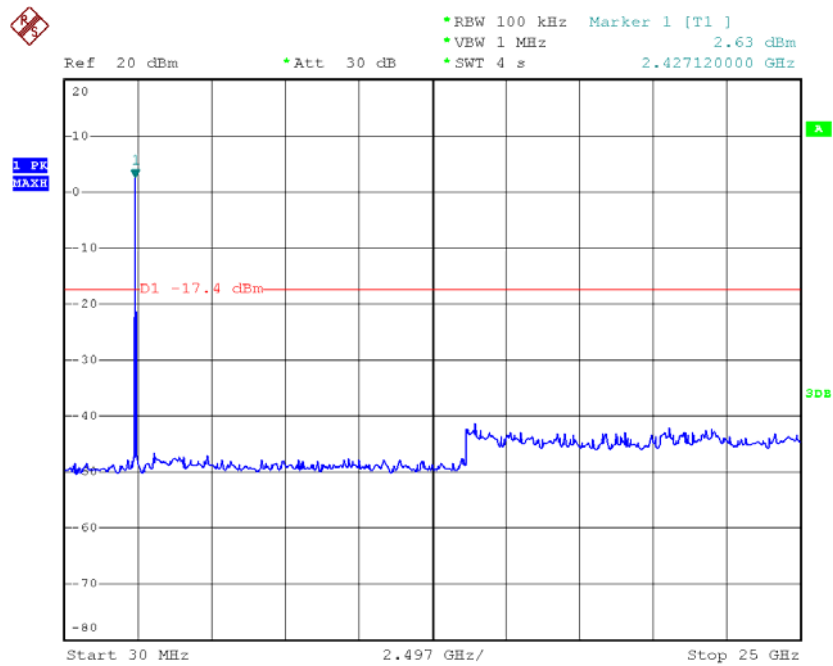
Product : Tablet PC  
 Test Item : RF Antenna Conducted Spurious  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

**Ant A+B-Channel 01 (2412MHz) 30 MHz -25GHz**



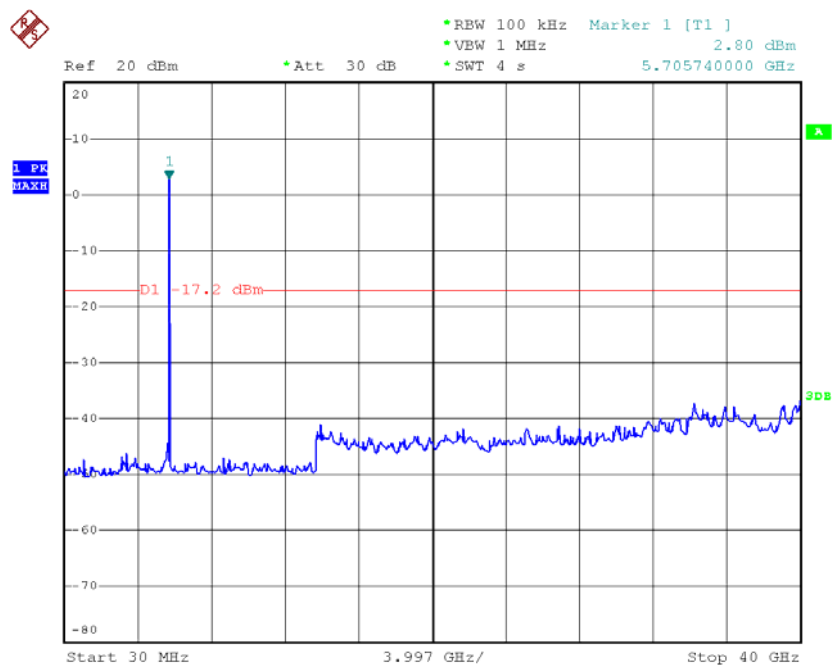
Date: 25.JUN.2008 11:19:19

### Ant A+B-Channel 06 (2437MHz) 30 MHz -25GHz



Date: 25.JUN.2008 11:22:57

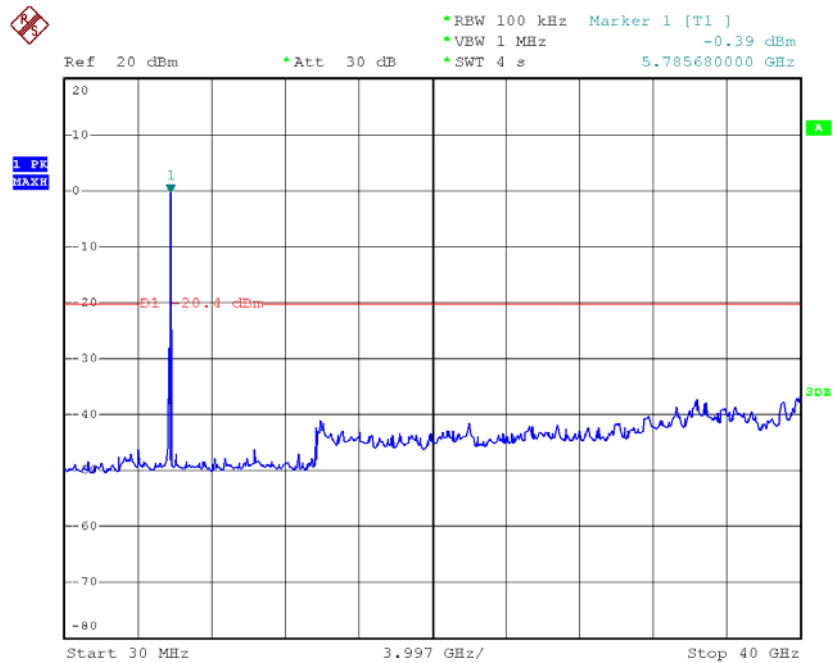
### Ant A+B-Channel 11 (2462MHz) 30 MHz -25GHz



Date: 25.JUN.2008 11:23:47

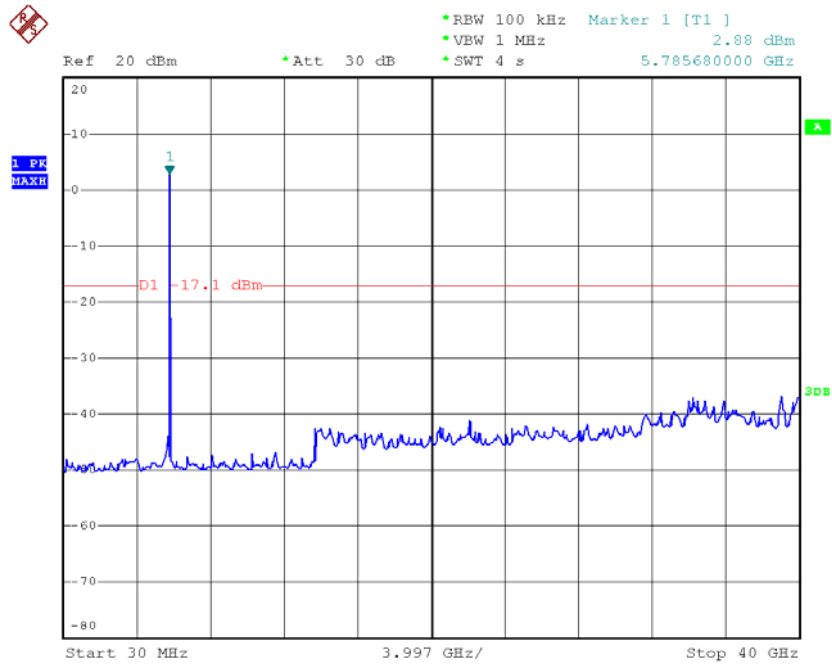
Product : Tablet PC  
 Test Item : RF antenna conducted test  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B

**Ant A+B Channel 01 (5745MHz) 30 MHz -40GHz**



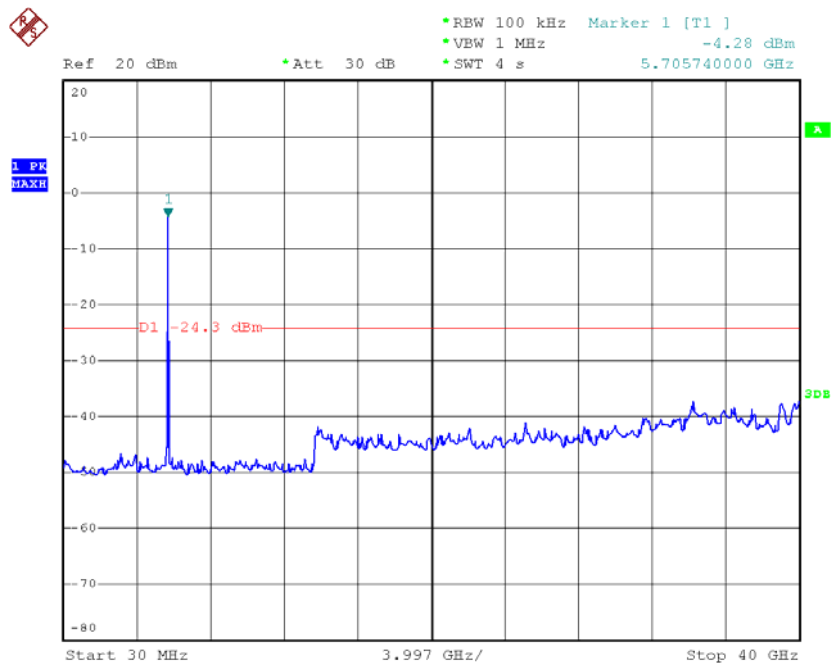
Date: 25.JUN.2008 11:24:24

### Ant A+B-Channel 03 (5785MHz) 30 MHz -40GHz



Date: 25.JUN.2008 11:24:58

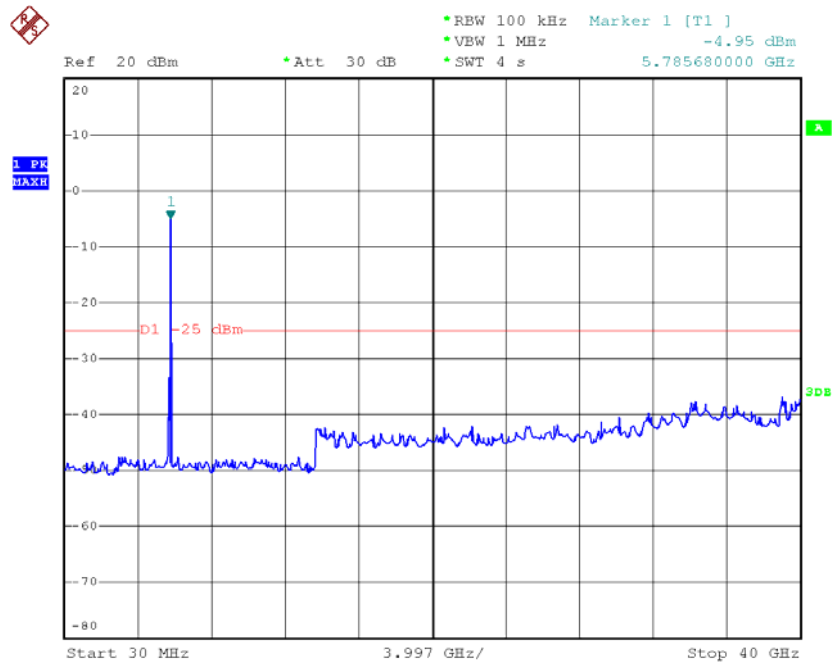
### Ant A+B-Channel 05 (5825MHz) 30 MHz -40GHz



Date: 25.JUN.2008 11:25:36

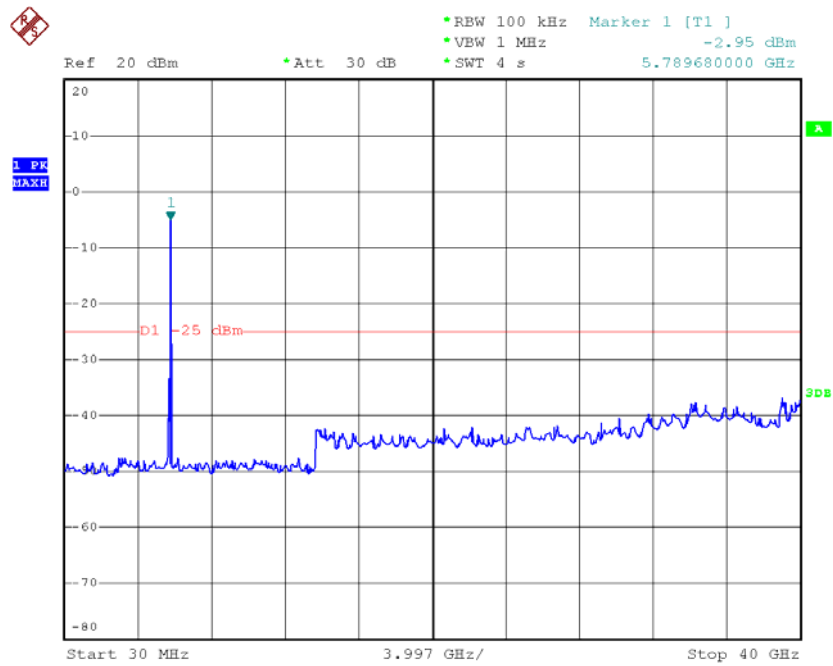
Product : Tablet PC  
 Test Item : RF antenna conducted test  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B

**Ant A+B-Channel 01 (5755MHz) 30 MHz -40GHz**



Date: 25.JUN.2008 11:26:02

# Ant A+B-Channel 02 (5795MHz) 30 MHz -40GHz



Date: 25.JUN.2008 11:26:02

## 6. Band Edge

### 6.1. Test Equipment

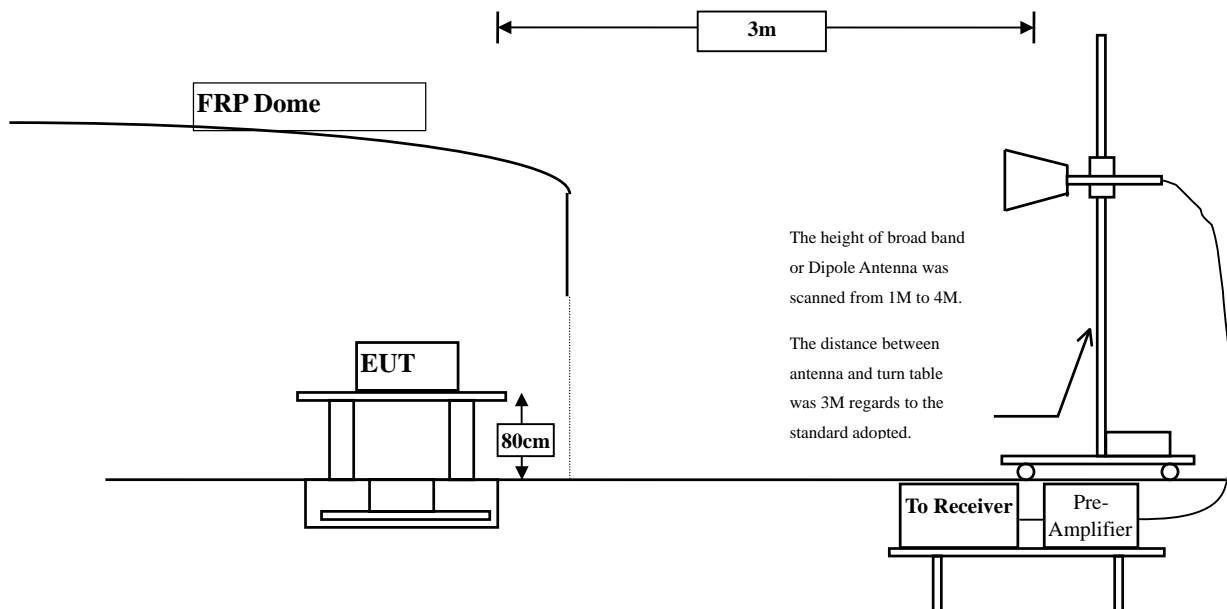
The following test equipments are used during the band edge tests:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ Site # 3	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2007
	X	Pre-Amplifier	AGILENT	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., 2008
	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.

### 6.2. Test Setup

#### RF Radiated Measurement:



### **6.3. 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.

### **6.4. Test Procedure**

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 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 is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

### **6.5. Uncertainty**

$\pm 3.9$  dB above 1GHz

$\pm 3.8$  dB below 1GHz

## 6.6. Test Result of Band Edge

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

### 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)	2390.000	-2.378	57.188	54.811	74.00	54.00	Pass
01 (Average)	2390.000	-2.378	46.362	43.985	74.00	54.00	Pass

Figure Channel 01:

Horizontal (Peak)

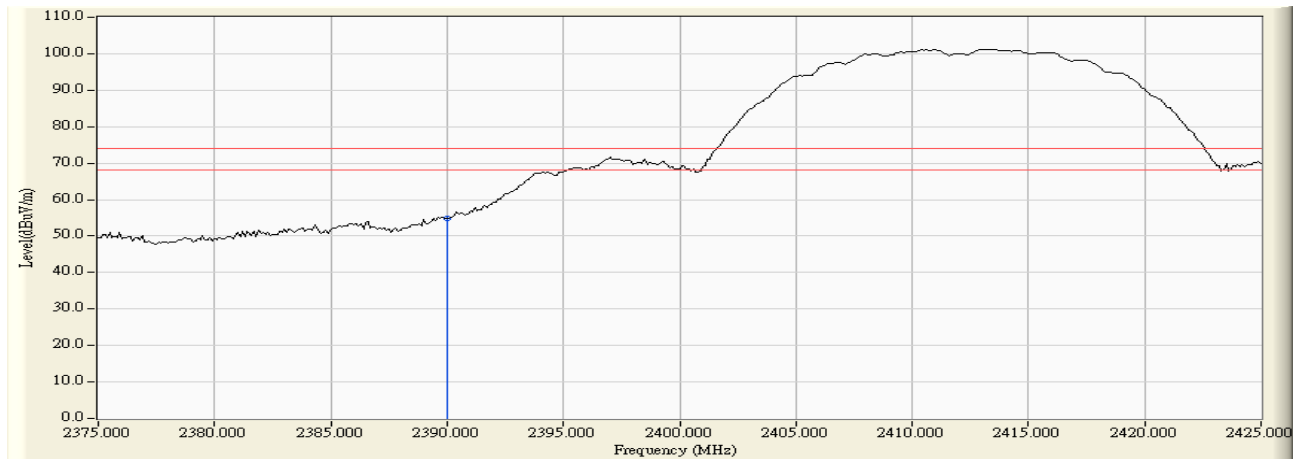
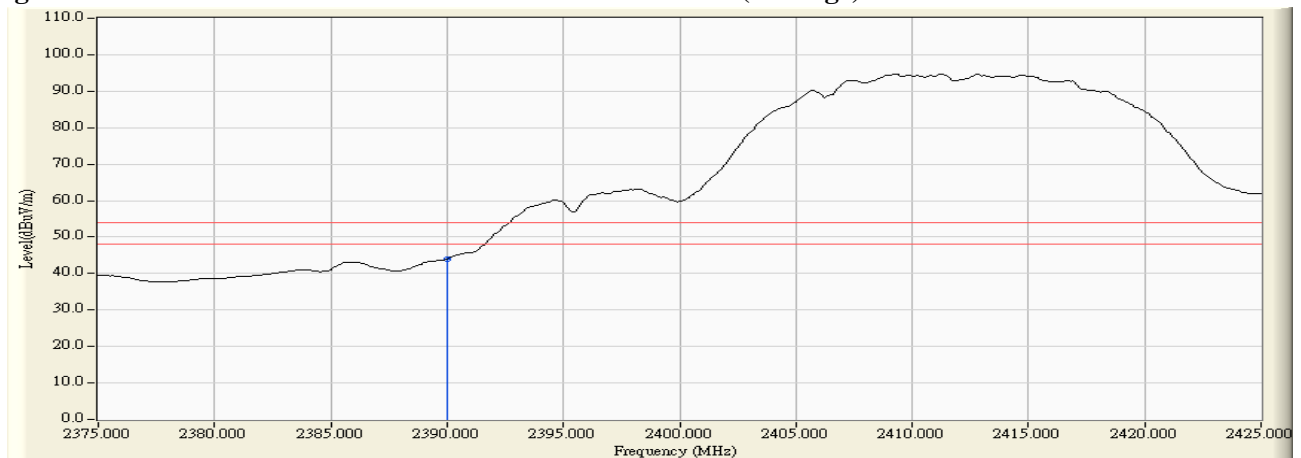


Figure Channel 01:

Horizontal (Average)



Note:

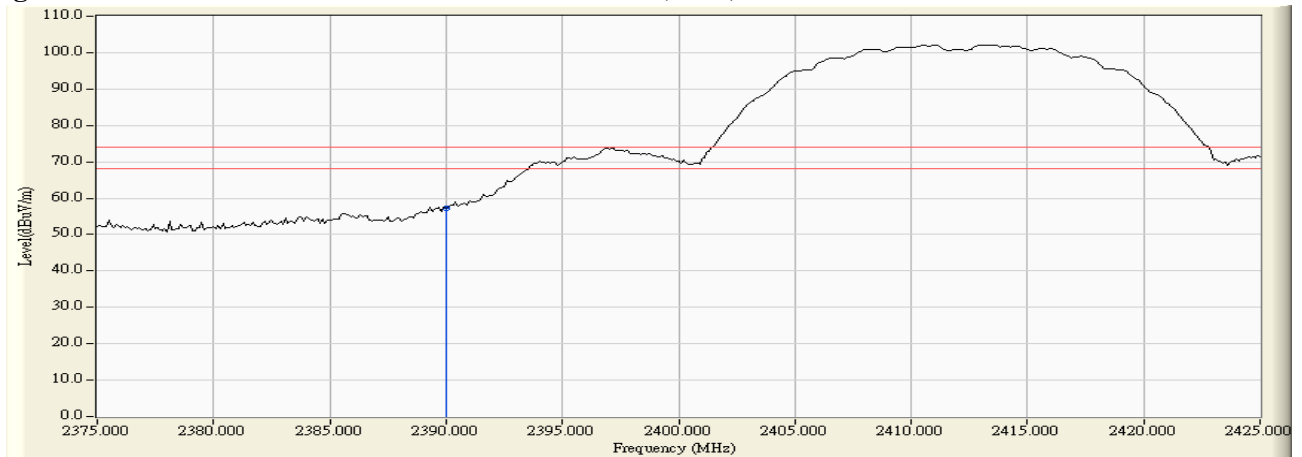
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

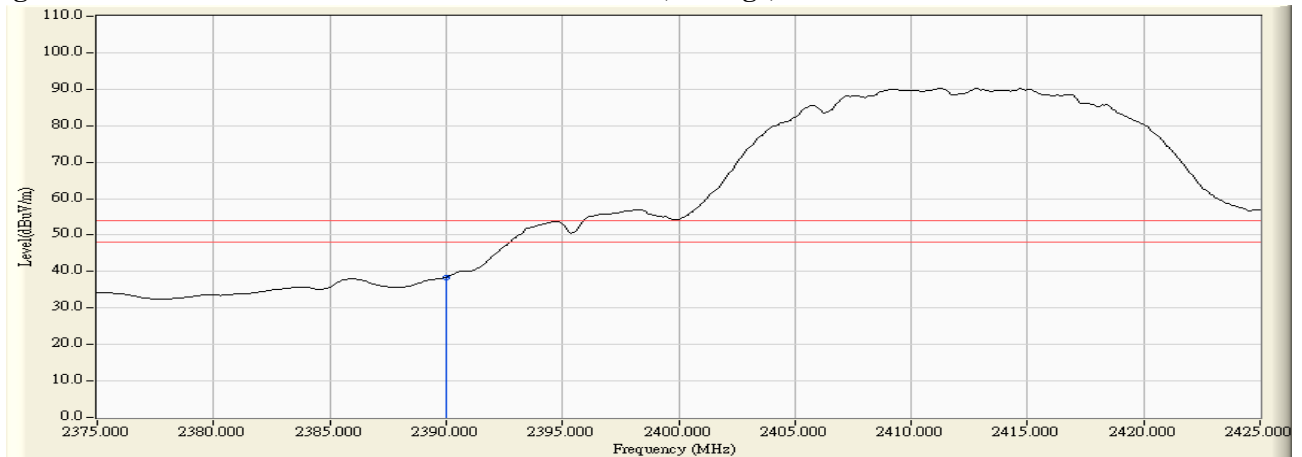
**RF Radiated Measurement (Vertical):**

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)	2390.000	-2.378	59.544	57.167	74.00	54.00	Pass
01 (Average)	2390.000	-2.378	40.775	38.398	74.00	54.00	Pass

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



**Note:**

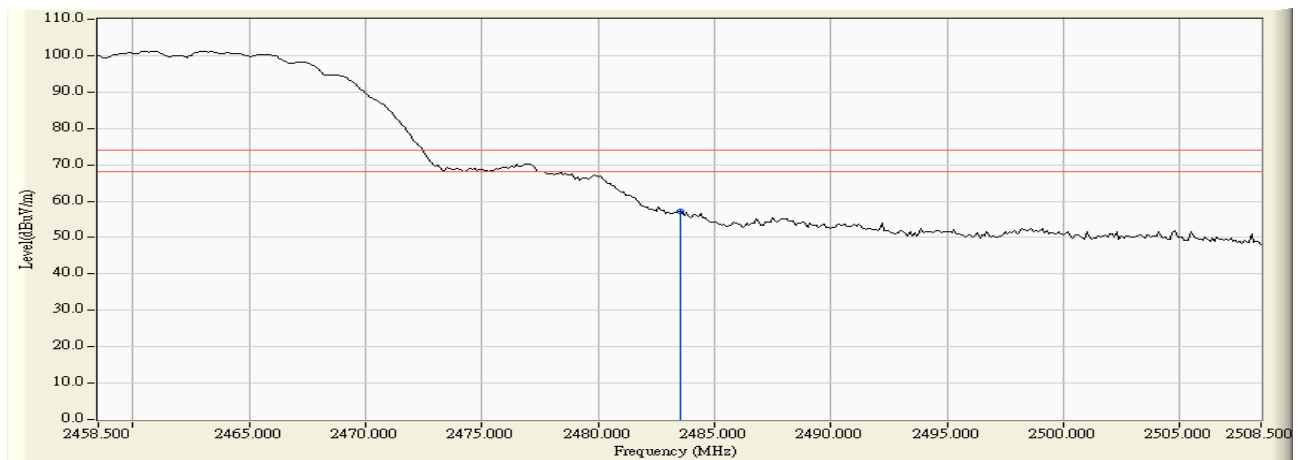
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

**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	59.028	57.091	74.00	54.00	Pass
11(Average)	2483.500	-1.937	48.045	46.108	74.00	54.00	Pass

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



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



**Note:**

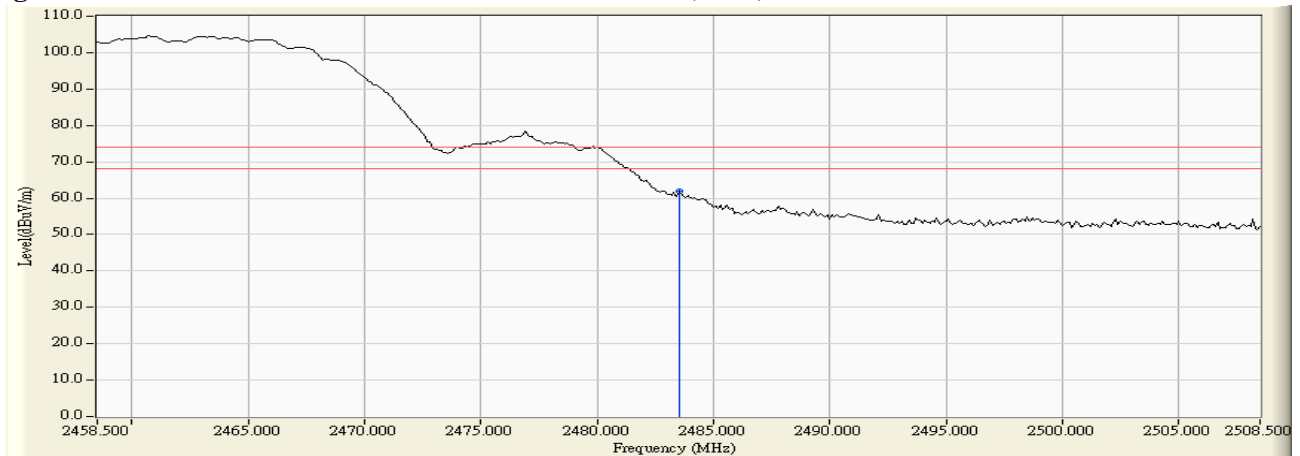
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

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

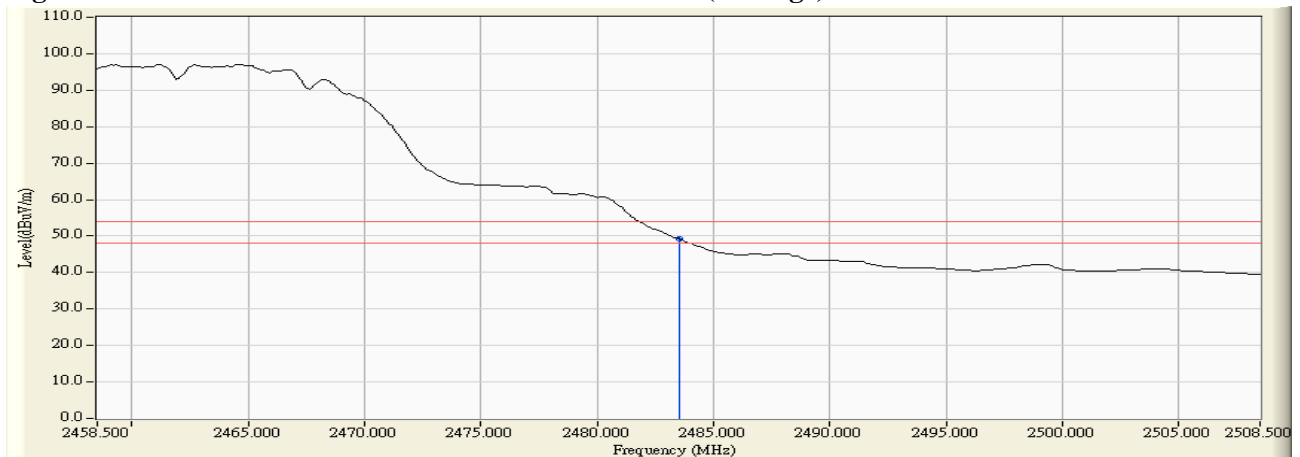
**RF Radiated Measurement (Vertical):**

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	63.959	62.022	74.00	54.00	Pass
11(Average)	2483.500	-1.937	51.096	49.159	74.00	54.00	Pass

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



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



**Note:**

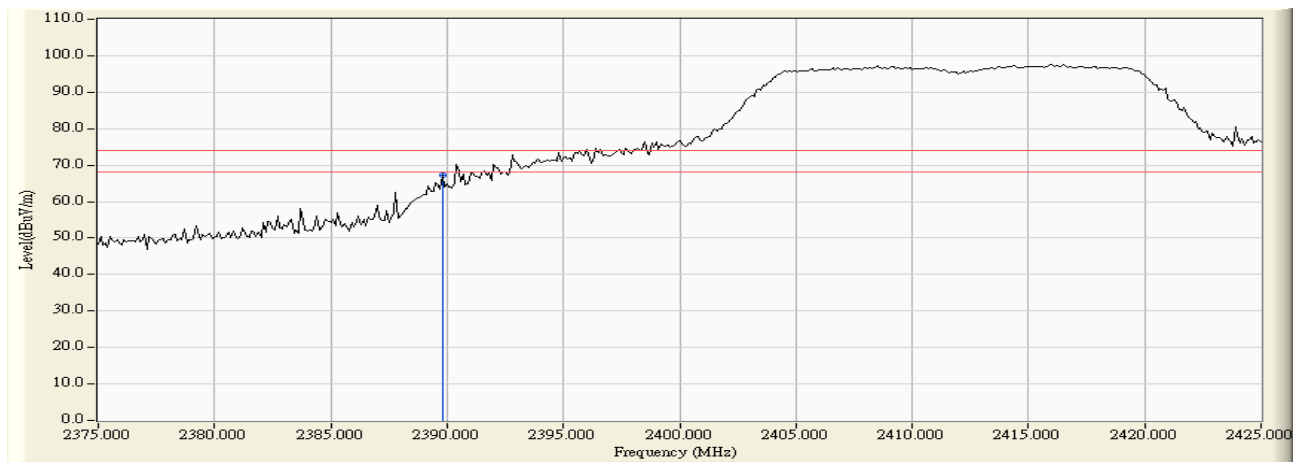
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps)

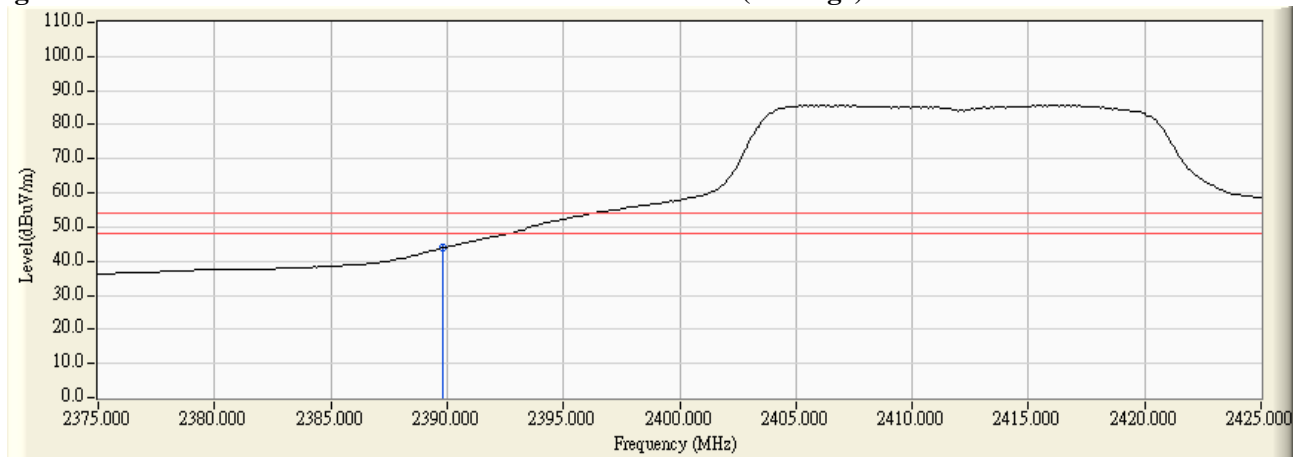
**RF Radiated Measurement (Horizontal):**

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)	2389.800	-2.378	69.578	67.200	74.00	54.00	Pass
01 (Average)	2389.800	-2.378	46.195	43.817	74.00	54.00	Pass

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



Note:

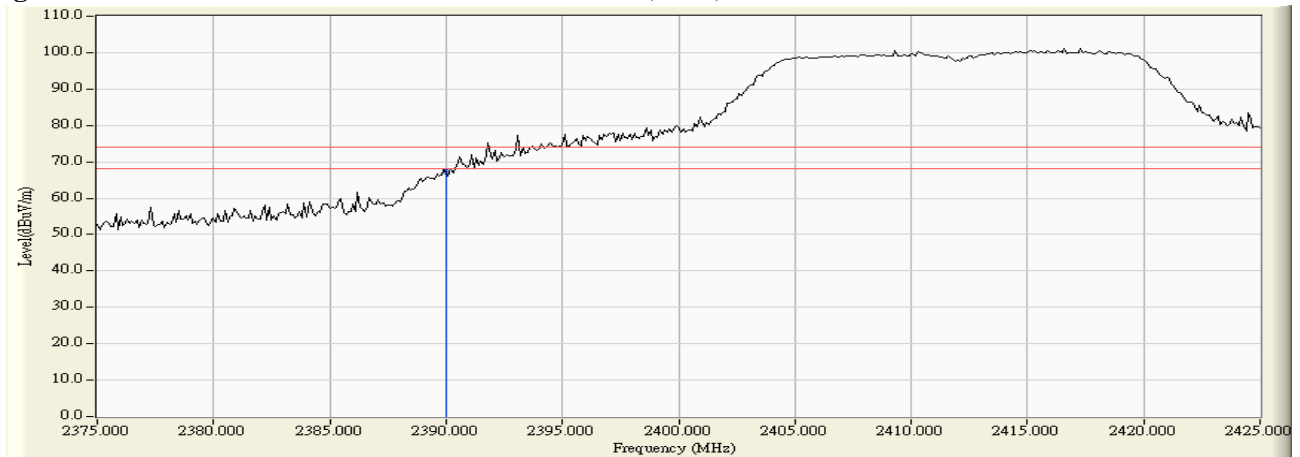
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps)

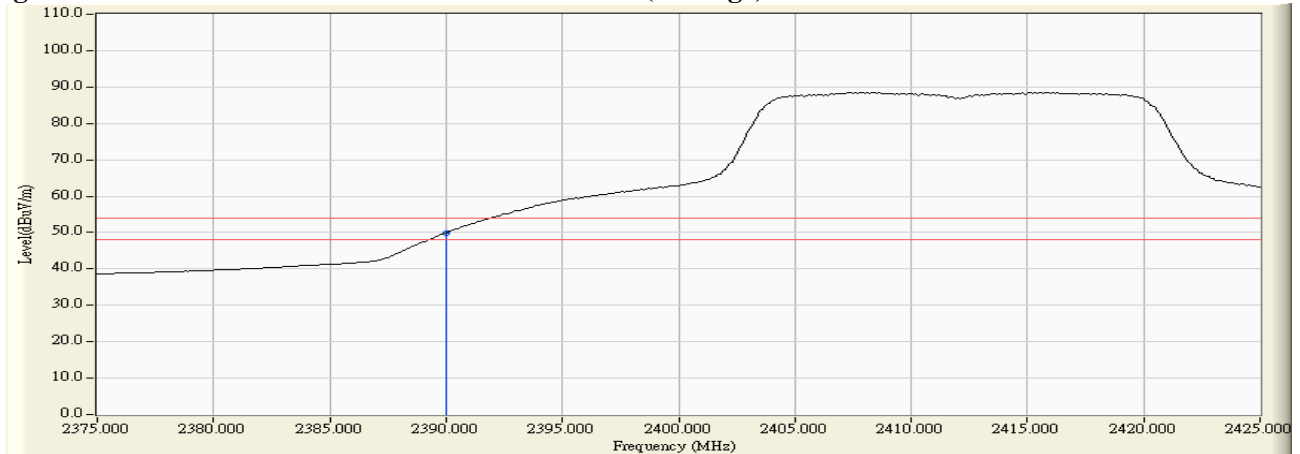
**RF Radiated Measurement (Vertical):**

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)	2390.000	-2.378	69.629	67.252	74.00	54.00	Pass
01 (Average)	2390.000	-2.378	52.274	49.897	74.00	54.00	Pass

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



Note:

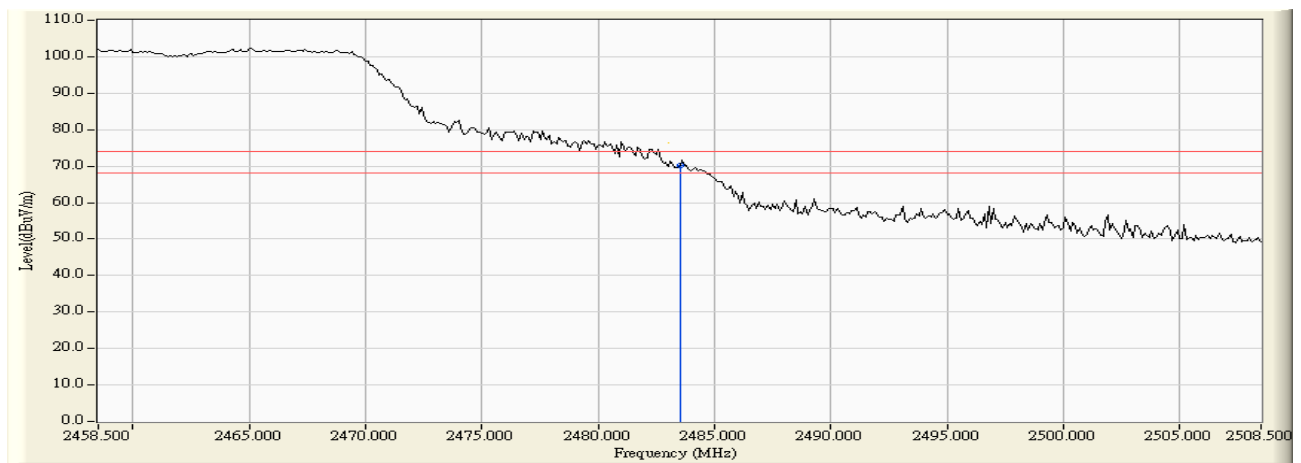
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps)

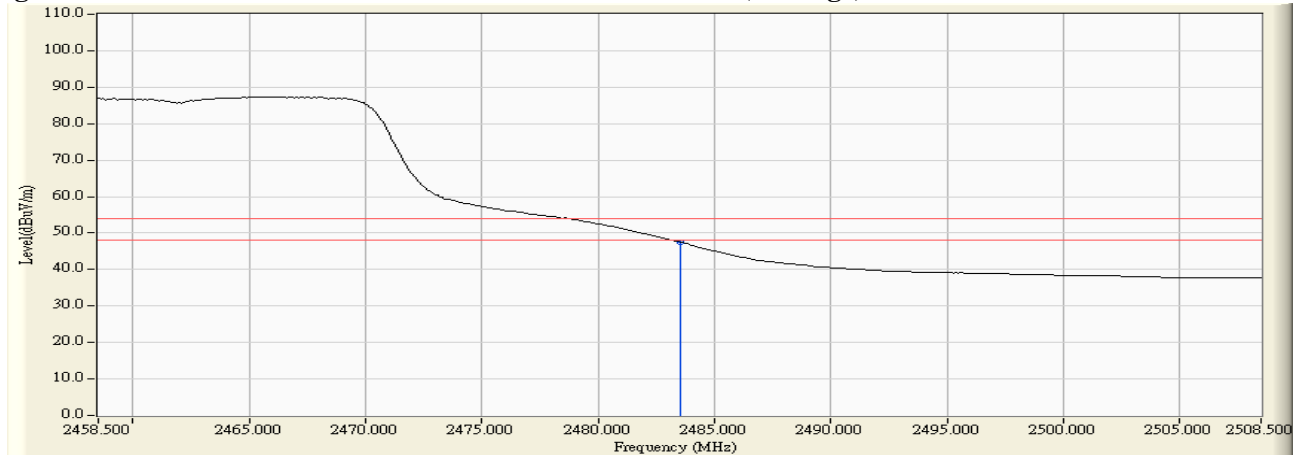
**RF Radiated Measurement (Horizontal):**

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	72.145	70.208	74.00	54.00	Pass
11 (Average)	2483.500	-1.937	49.501	47.564	74.00	54.00	Pass

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



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



**Note:**

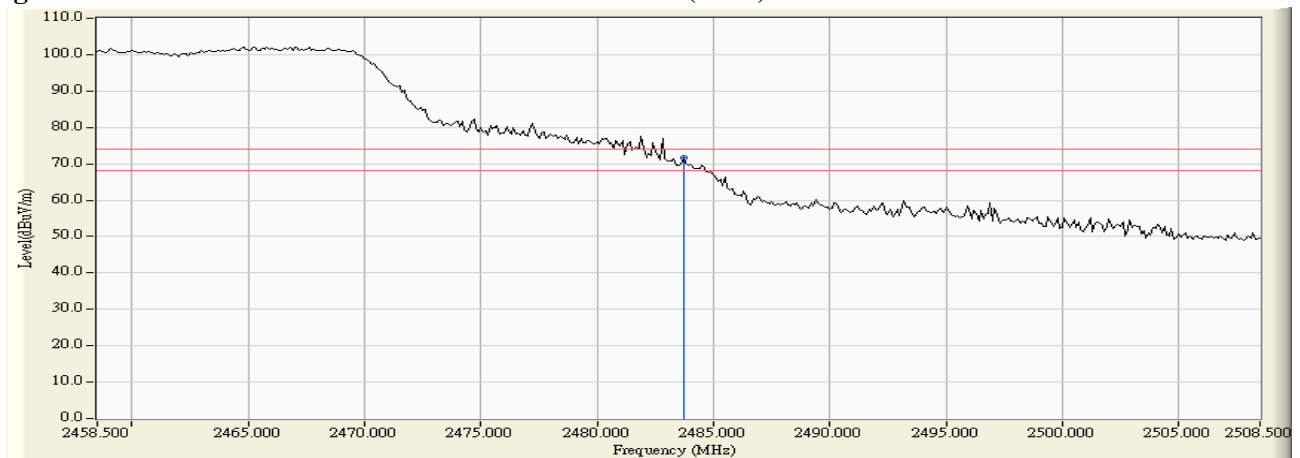
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps)

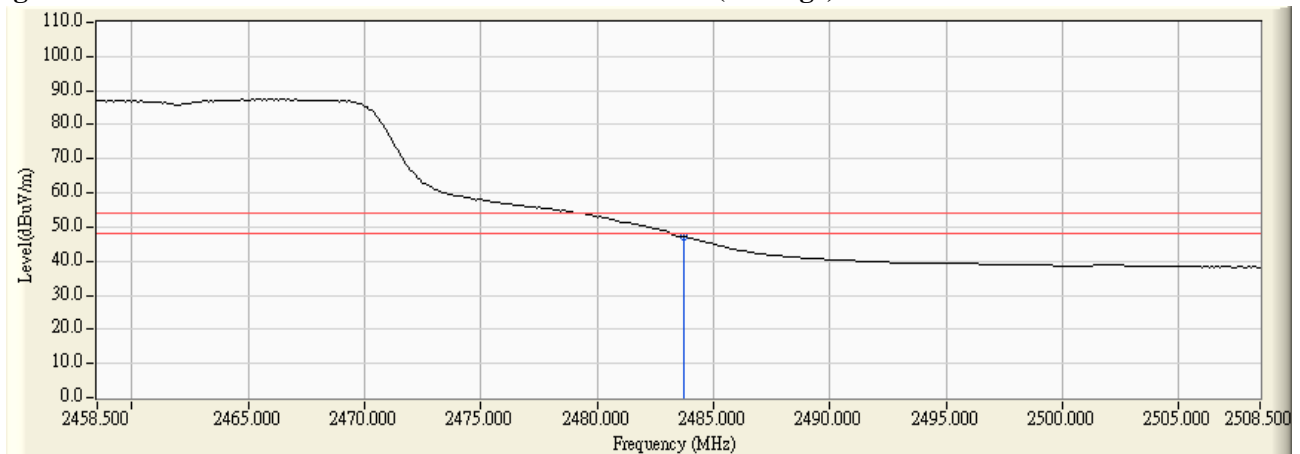
**RF Radiated Measurement (Vertical):**

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)	2483.700	-1.936	73.459	71.523	74.00	54.00	Pass
11(Average)	2483.700	-1.936	48.960	47.024	74.00	54.00	Pass

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



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



Note:

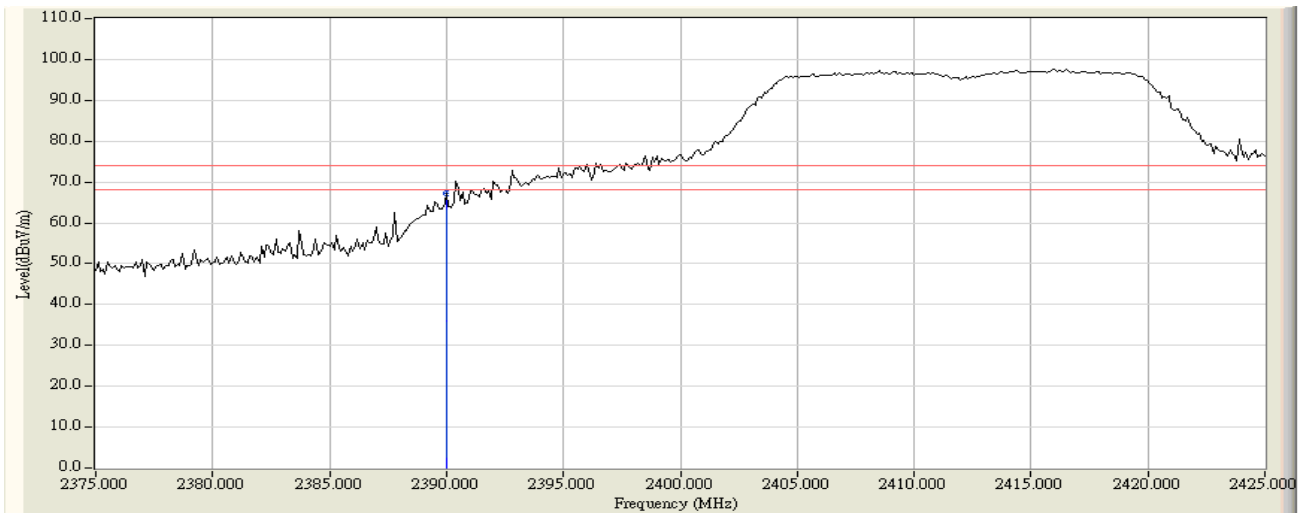
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

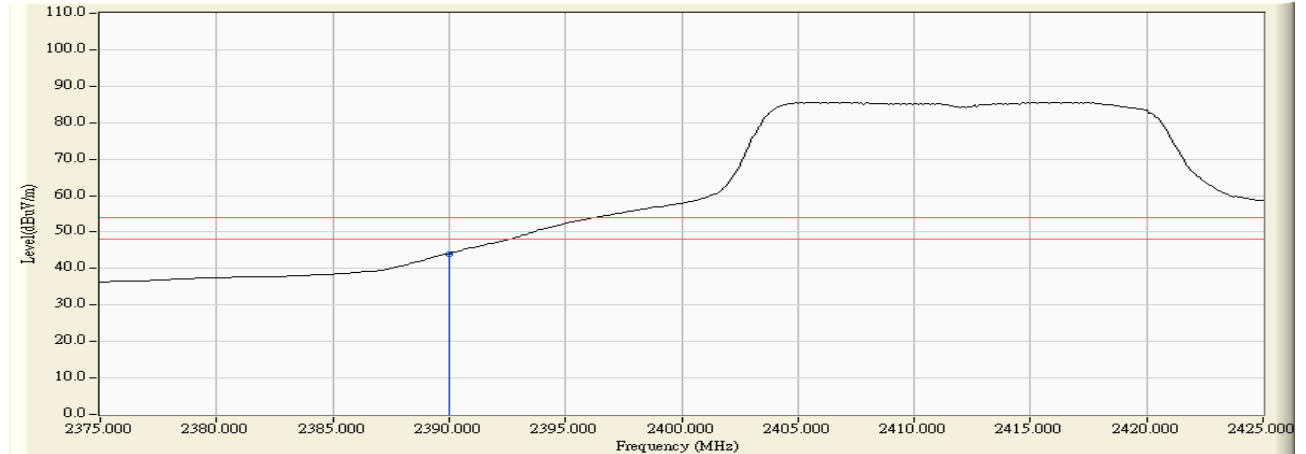
**RF Radiated Measurement (Horizontal):**

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)	2390.000	-2.378	69.578	67.200	74.00	54.00	Pass
01 (Average)	2390.000	-2.378	46.452	44.075	74.00	54.00	Pass

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



Note:

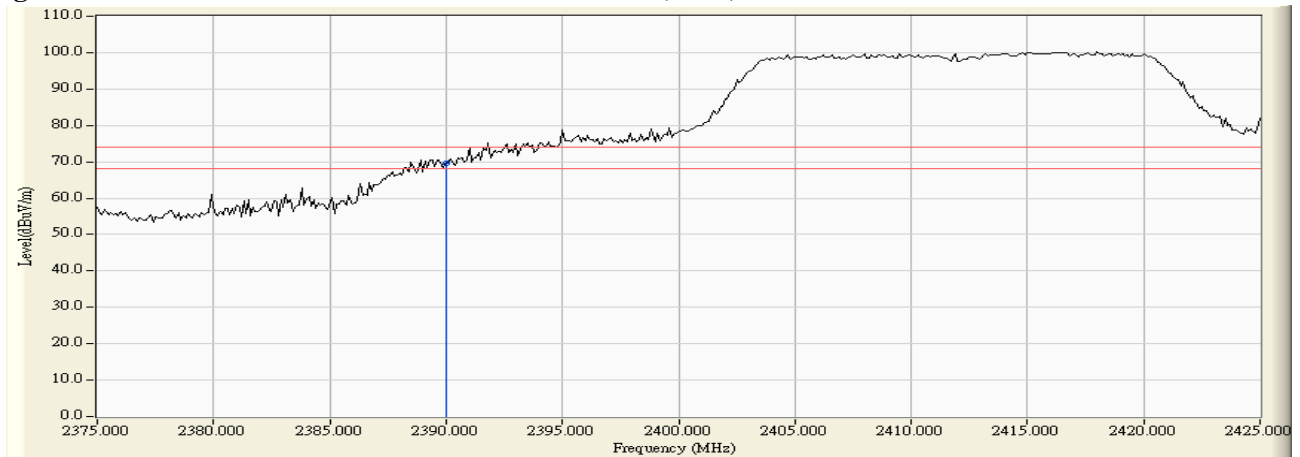
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

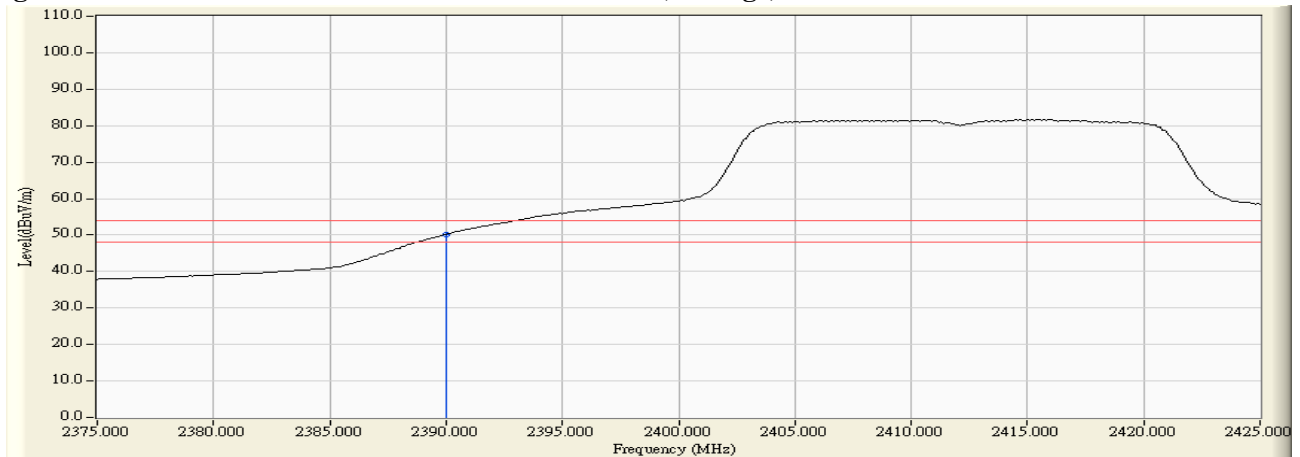
**RF Radiated Measurement (Vertical):**

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)	2390.000	-2.378	71.971	69.594	74.00	54.00	Pass
01 (Average)	2390.000	-2.378	52.441	50.064	74.00	54.00	Pass

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



**Note:**

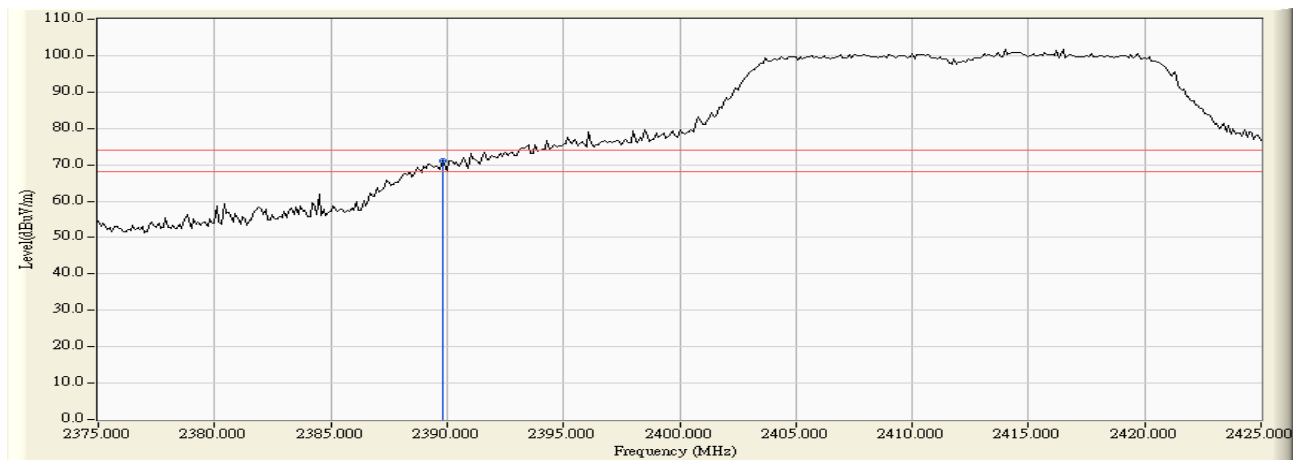
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

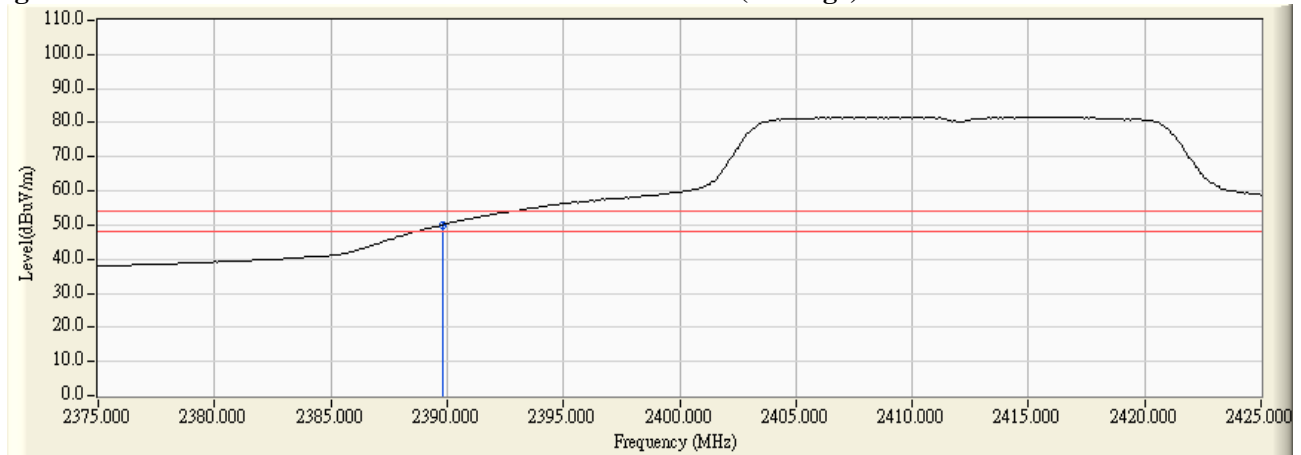
**RF Radiated Measurement (Horizontal):**

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)	2389.800	-2.378	73.379	71.001	74.00	54.00	Pass
11(Average)	2389.800	-2.378	52.375	49.997	74.00	54.00	Pass

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



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



**Note:**

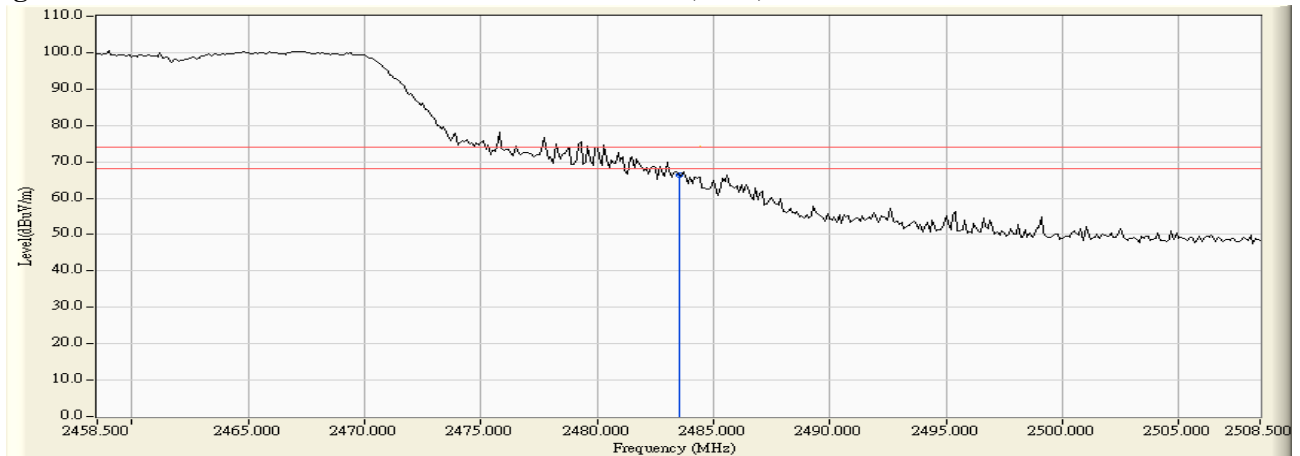
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : Tablet PC  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

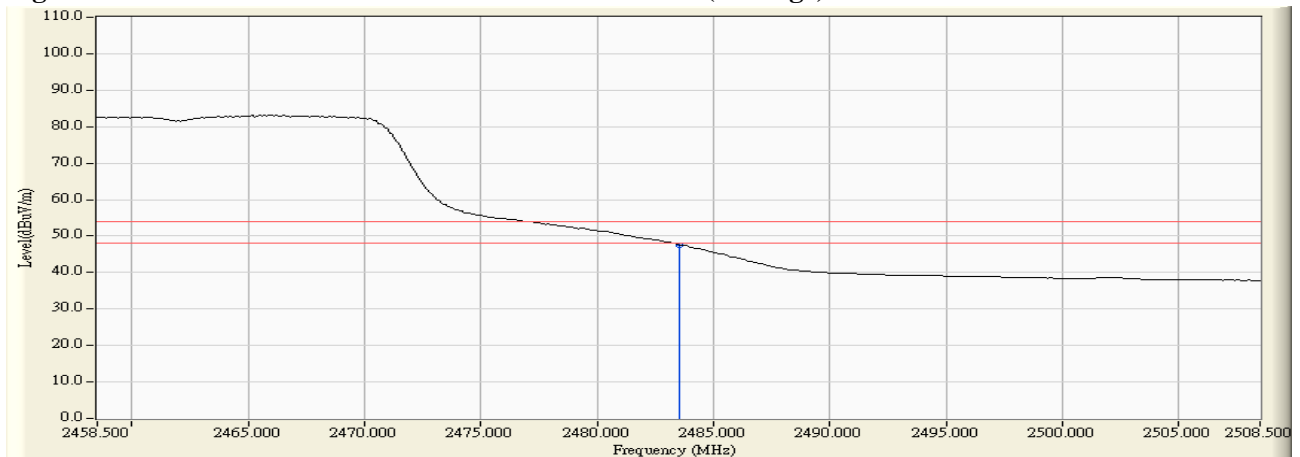
**RF Radiated Measurement (Vertical):**

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	68.160	66.223	74.00	54.00	Pass
11(Average)	2483.500	-1.937	49.535	47.598	74.00	54.00	Pass

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



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



**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

## 7. Occupied Bandwidth

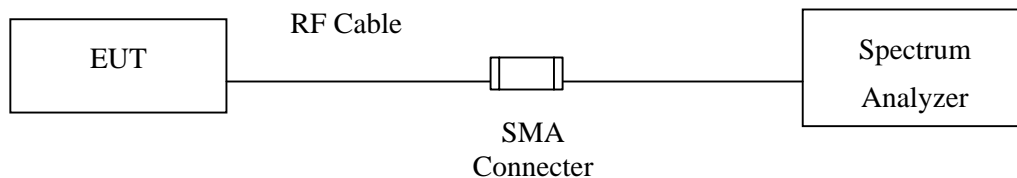
### 7.1. Test Equipment

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, 2008
	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2008

- Note:
1. All instruments 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 minimum bandwidth shall be at least 500 kHz.

### 7.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 100 kHz, Span greater than RBW.

### 7.5. Uncertainty

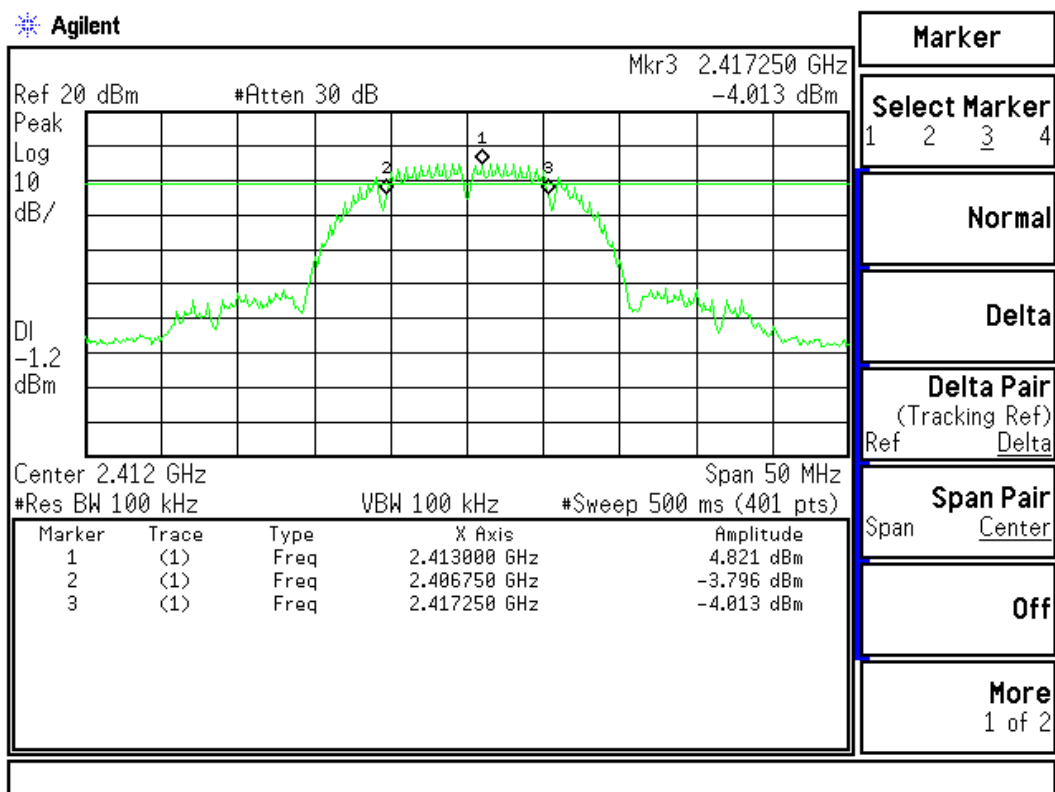
$\pm 150\text{Hz}$

## 7.6. Test Result of Occupied Bandwidth

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

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (1Mbps)	2412.00	10500	>500	Pass

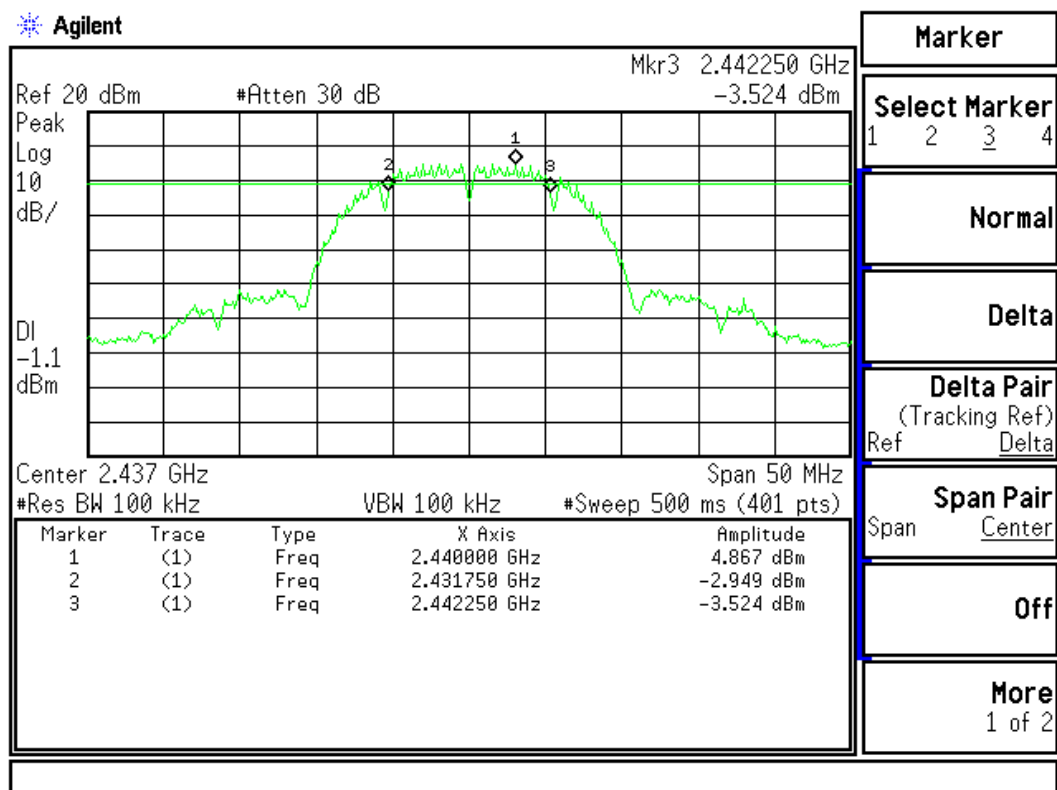
Figure Channel 1:



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

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (1Mbps)	2437.00	10500	>500	Pass

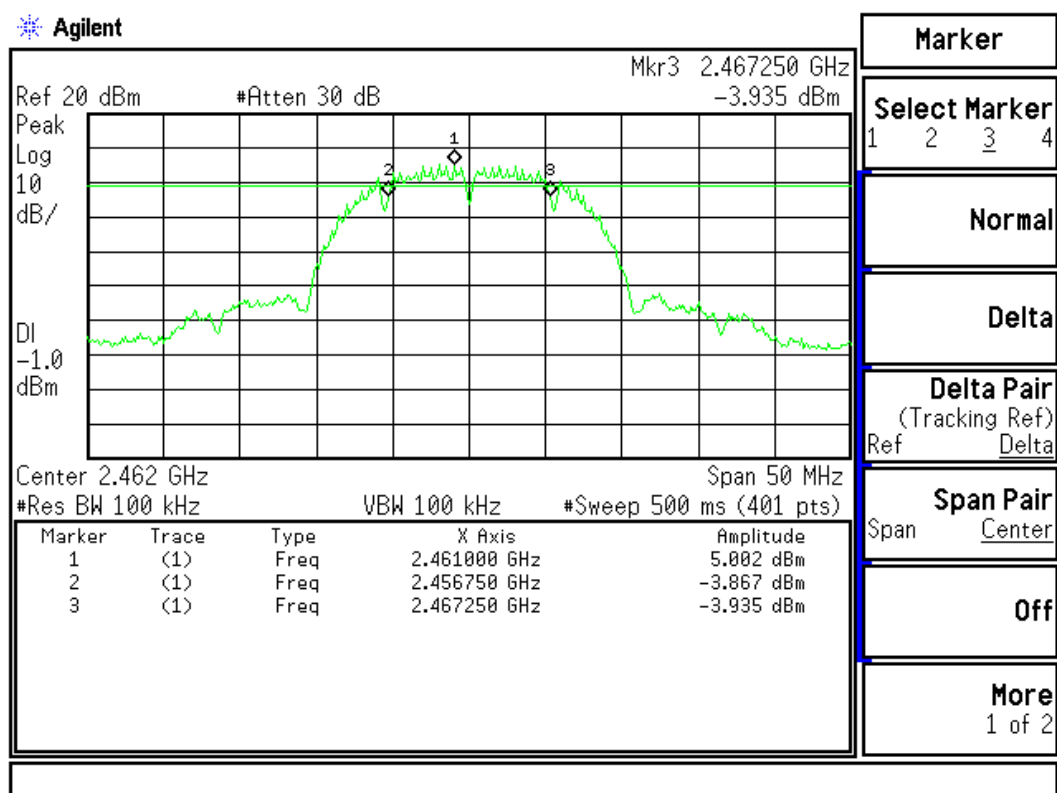
Figure Channel 6:



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

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (1Mbps)	2462.00	10500	>500	Pass

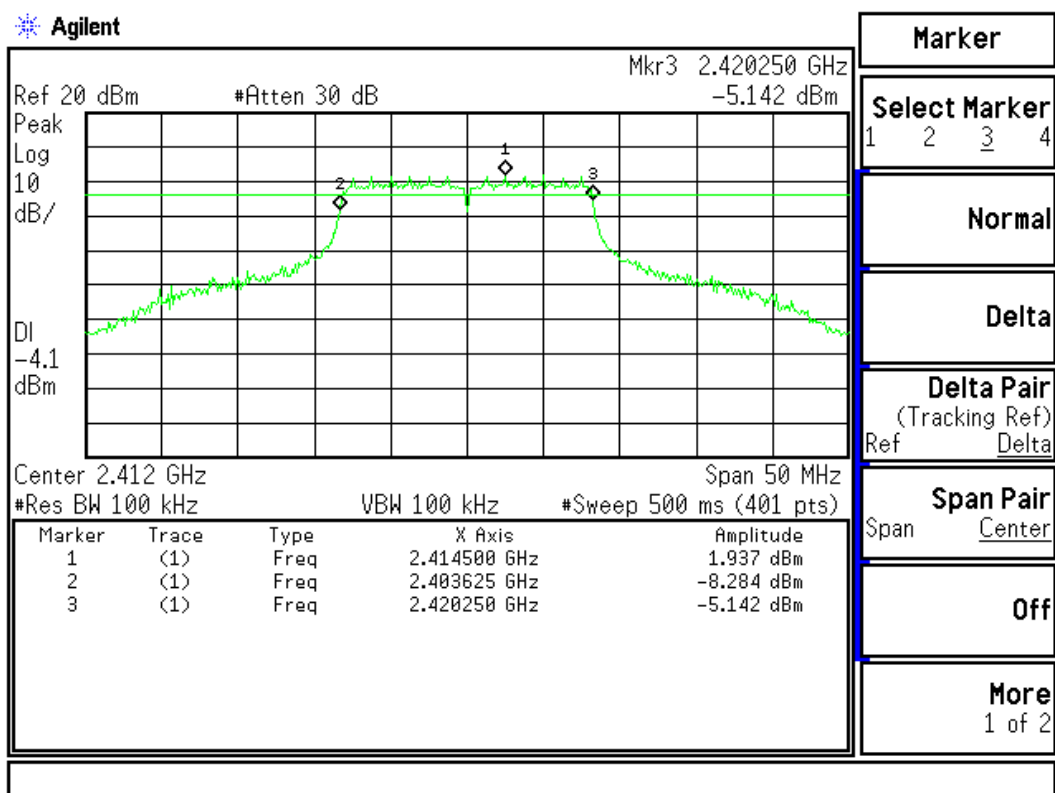
**Figure Channel 11:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (6Mbps)	2412.00	16625	>500	Pass

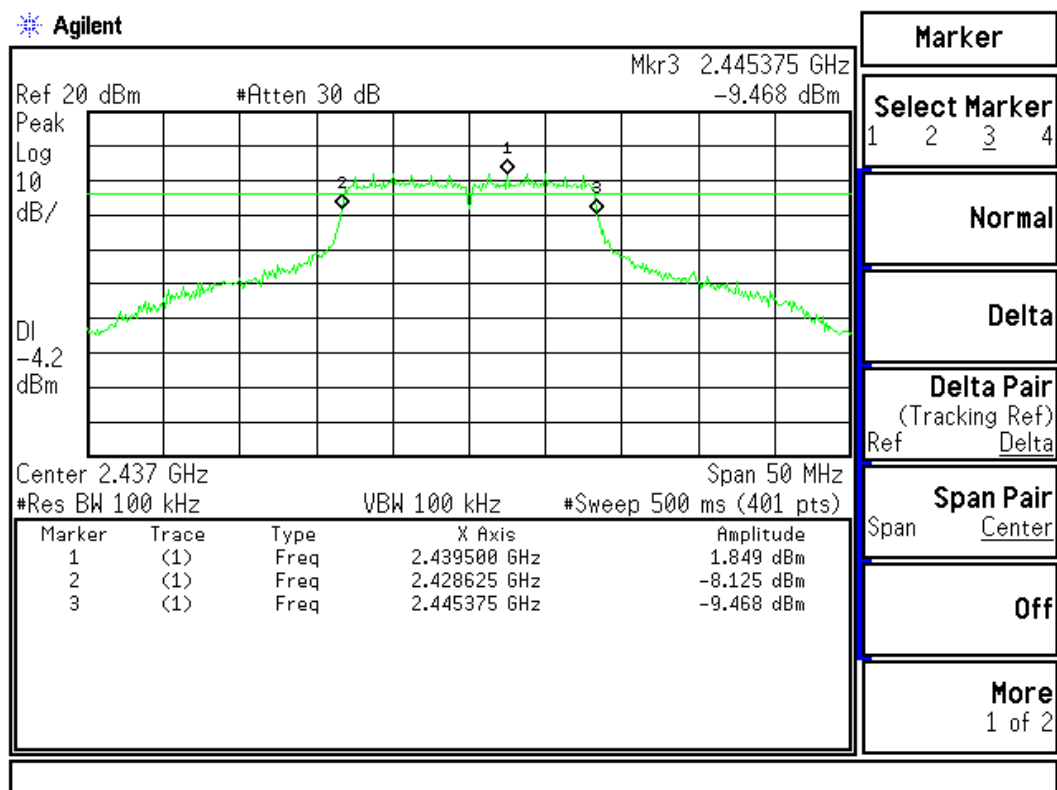
Figure Channel 1:



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (6Mbps)	2437.00	16750	>500	Pass

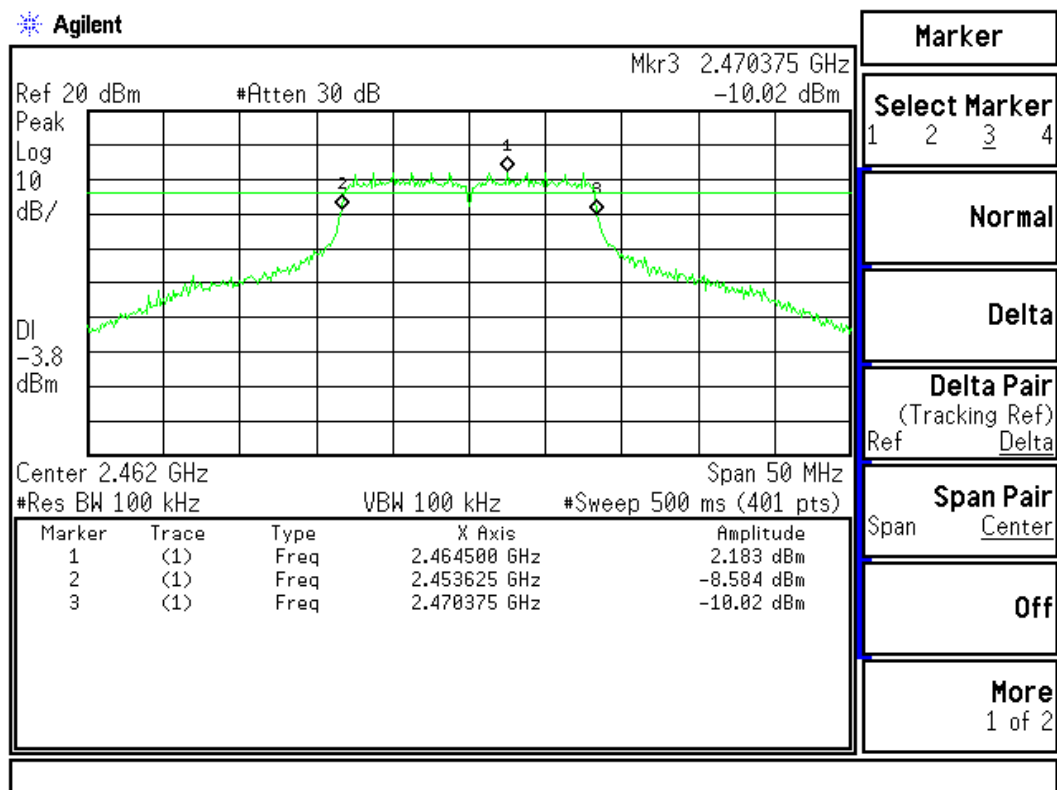
**Figure Channel 6:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (6Mbps)	2462.00	16750	>500	Pass

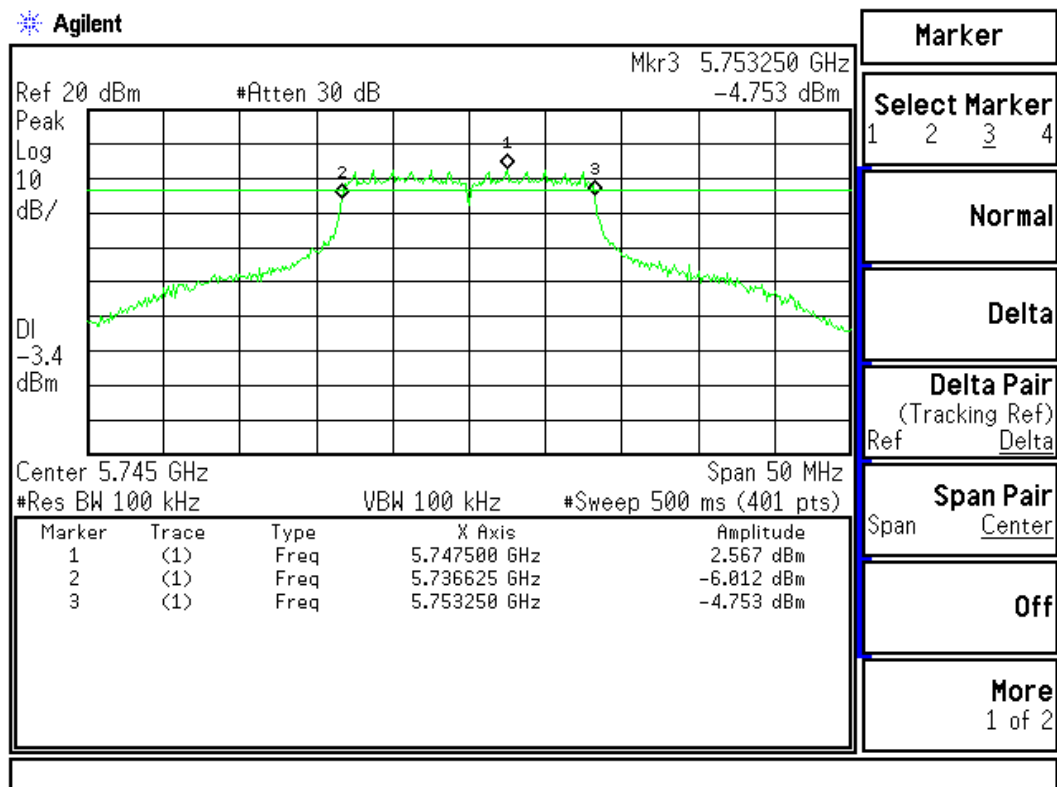
**Figure Channel 11:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (6Mbps)	5745.00	16625	>500	Pass

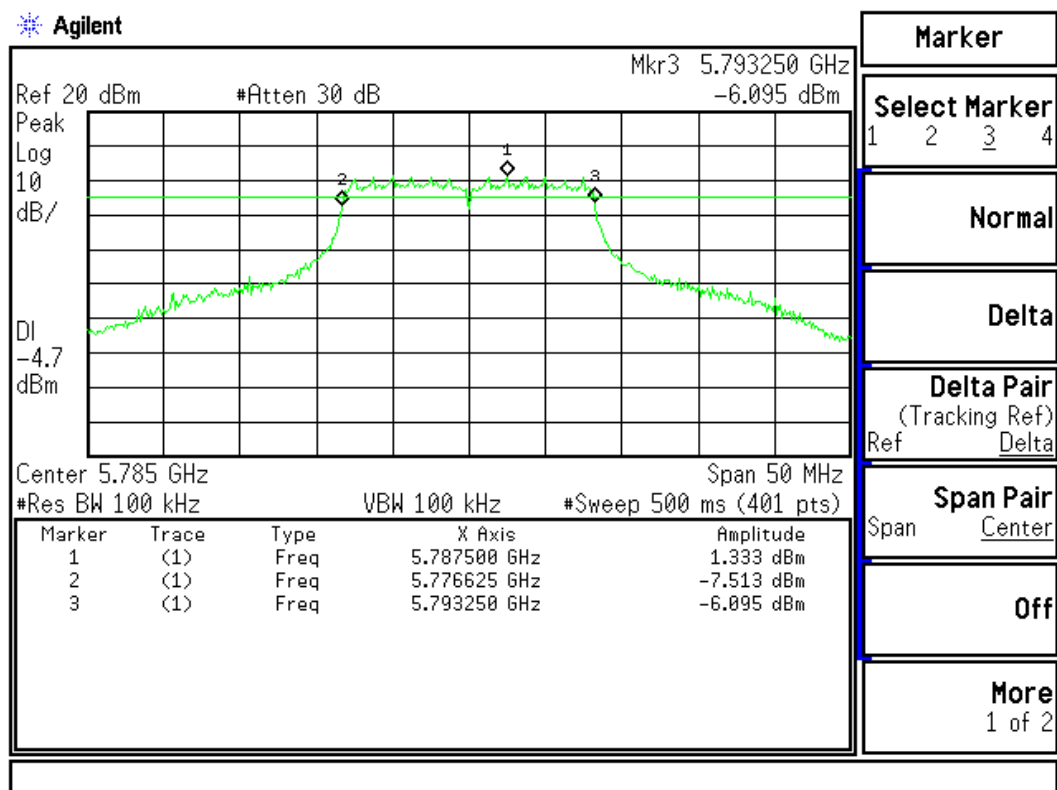
**Figure Channel 1:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3 (6Mbps)	5785.00	16625	>500	Pass

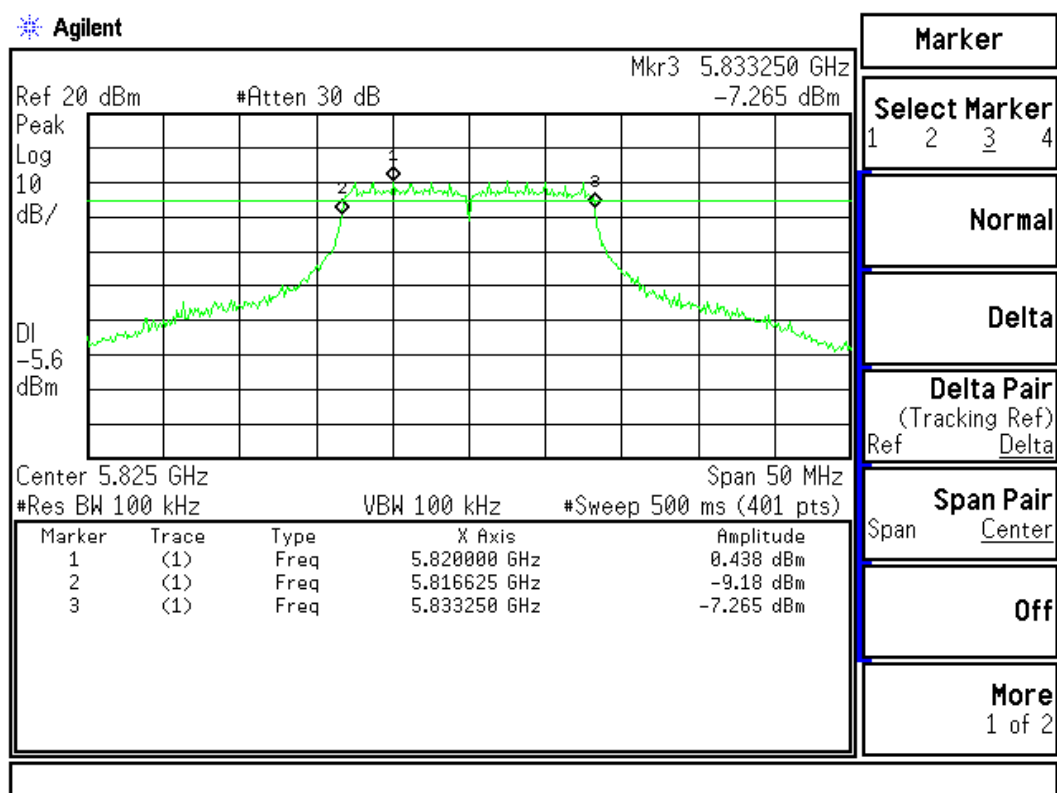
**Figure Channel 3:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
5 (6Mbps)	5825.00	16625	>500	Pass

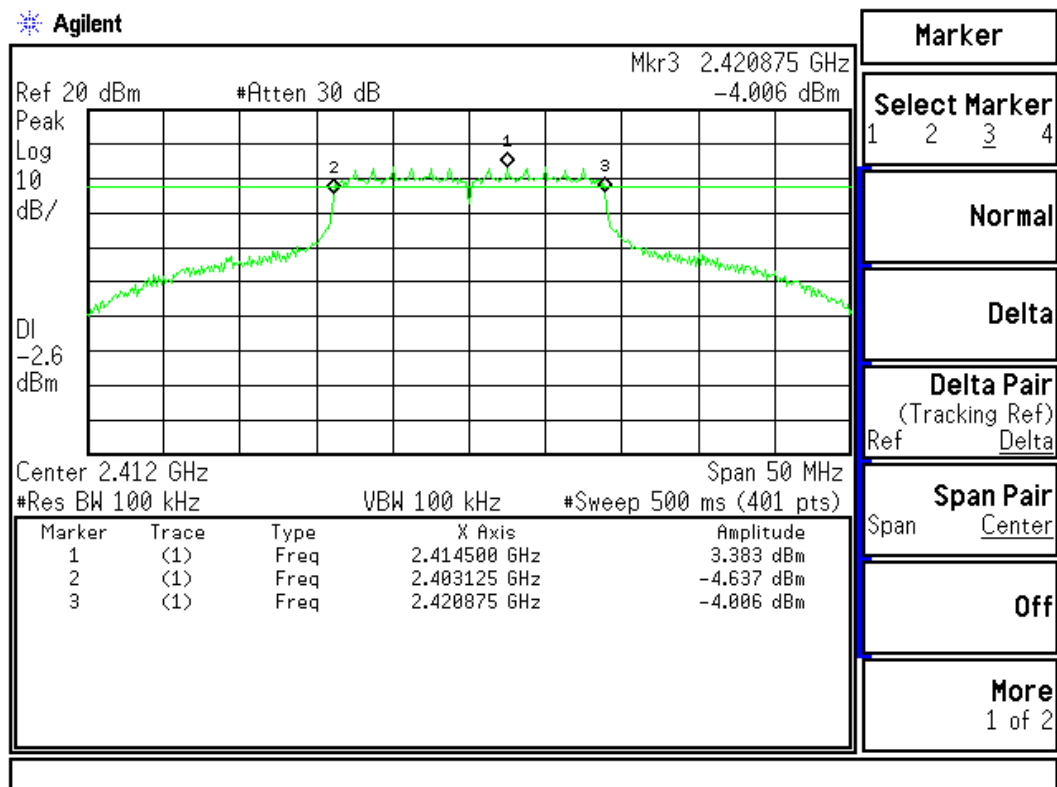
**Figure Channel 5:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (13.5Mbps)	2412.00	17750	>500	Pass

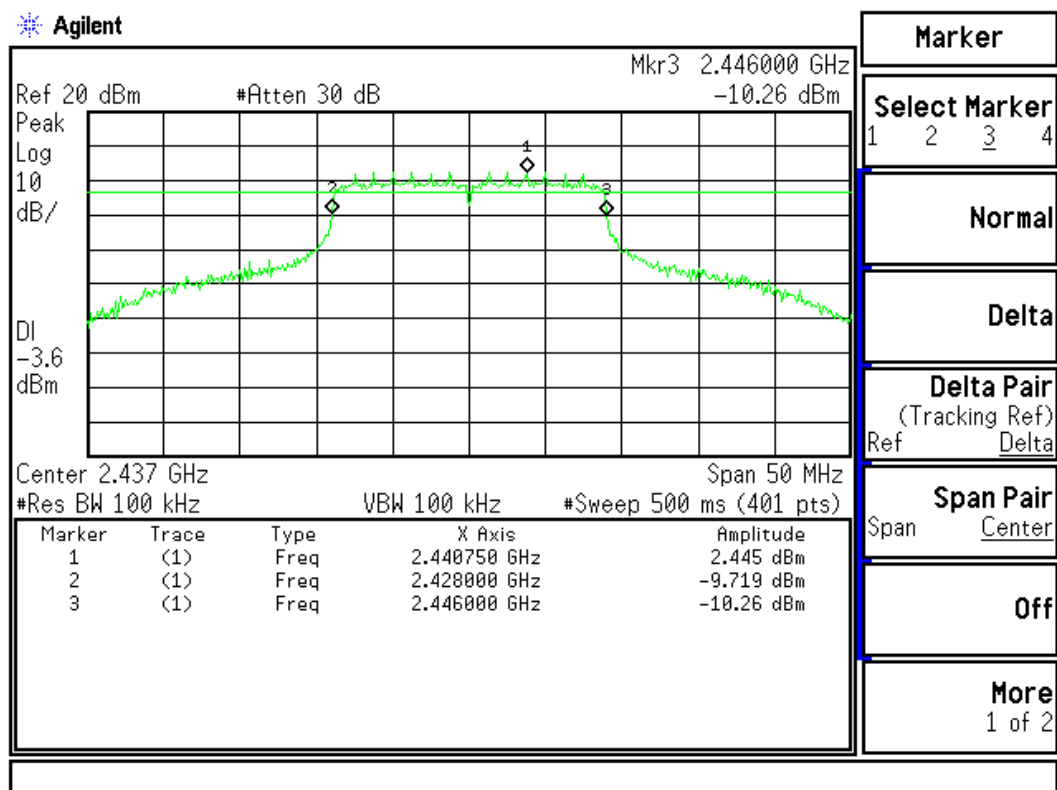
Figure Channel 1-Ant A:



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (13.5Mbps)	2437.00	18000	>500	Pass

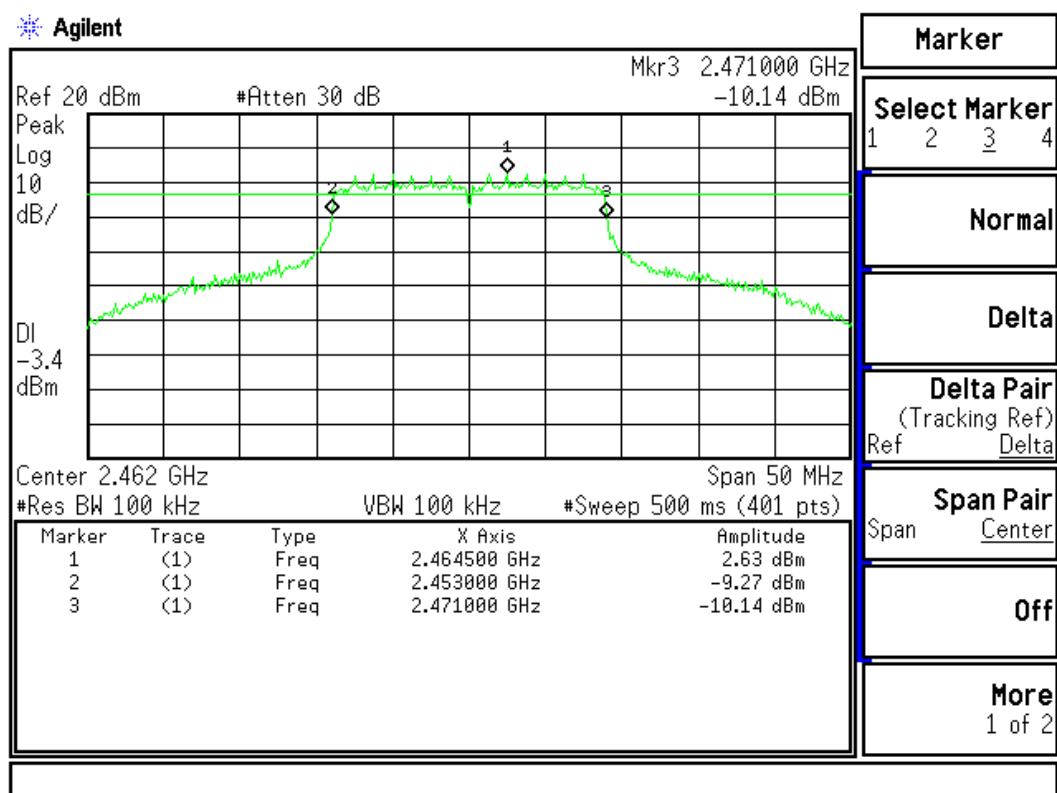
**Figure Channel 6-Ant A:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11(13.5Mbps)	2462.00	18000	>500	Pass

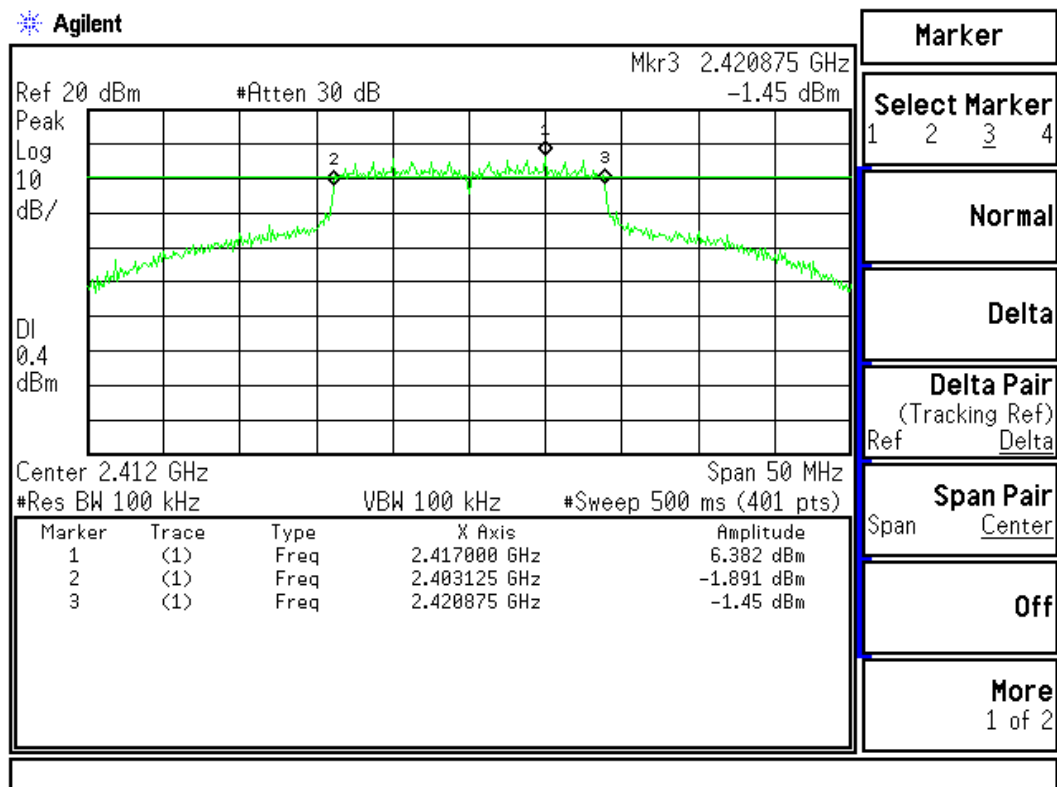
**Figure Channel 11-Ant A:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2412MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1(13.5Mbps)	2412.00	17750	>500	Pass

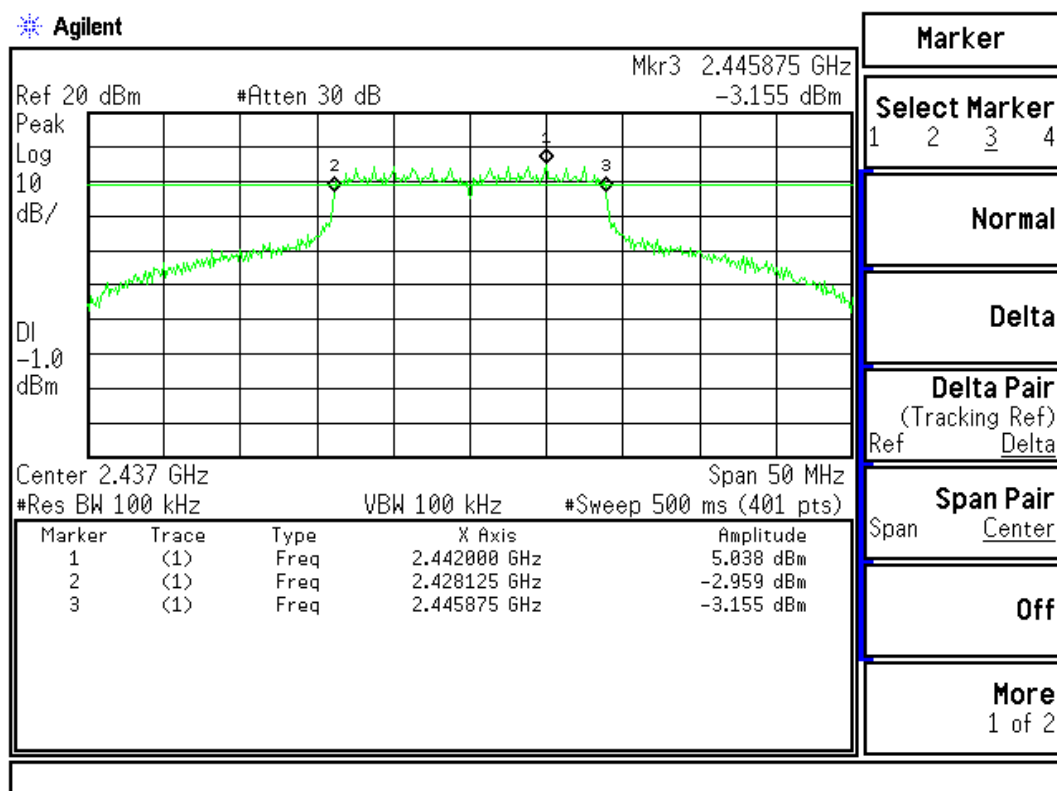
**Figure Channel 1-Ant B:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
6 (13.5Mbps)	2437.00	17750	>500	Pass

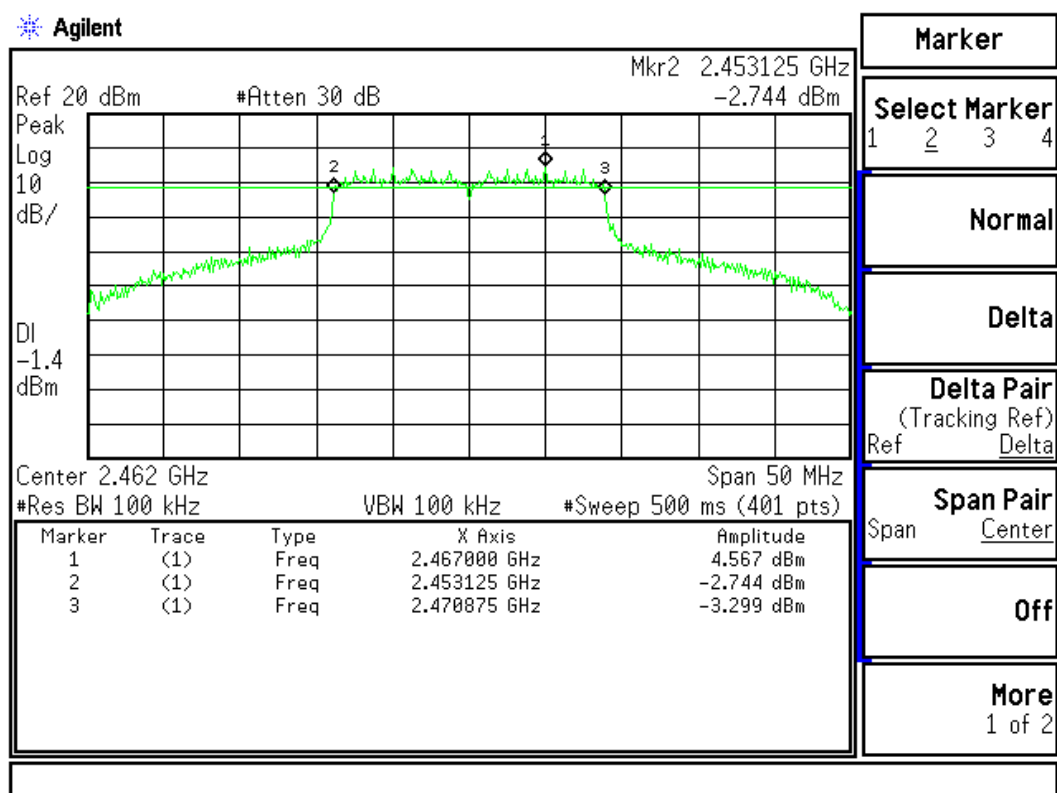
**Figure Channel 6-Ant B:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
11 (13.5Mbps)	2462.00	17750	>500	Pass

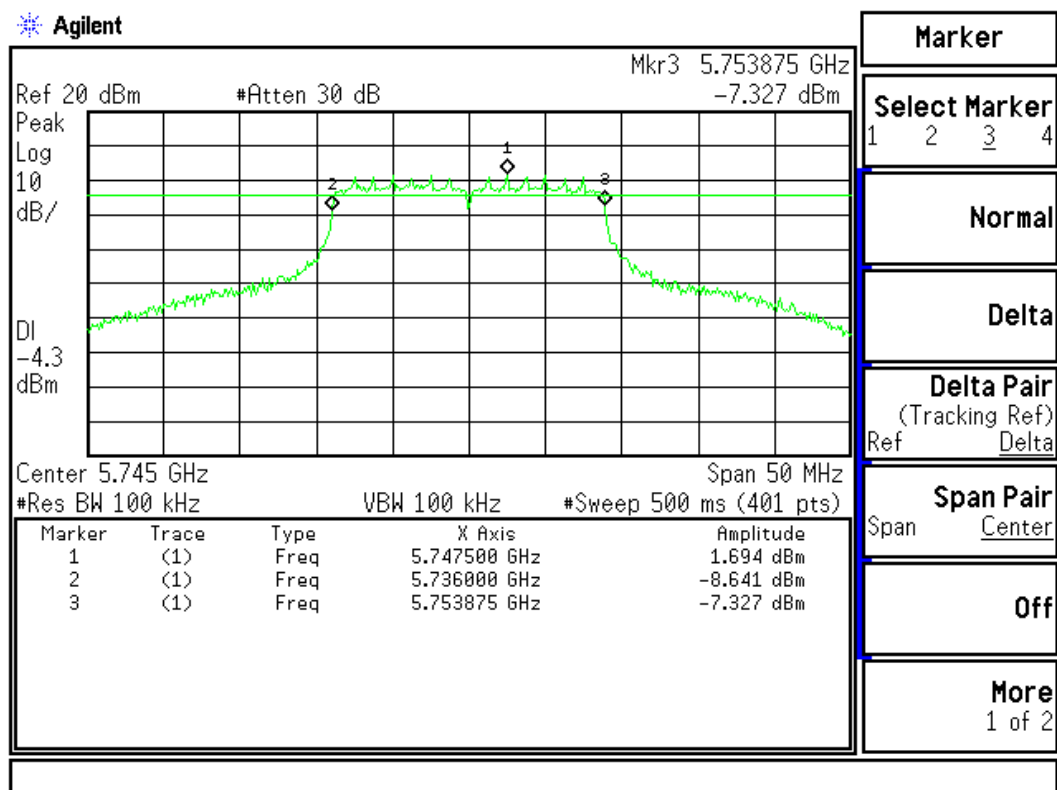
**Figure Channel 11-Ant B:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B  
 (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (13.5Mbps)	5745.00	17875	>500	Pass

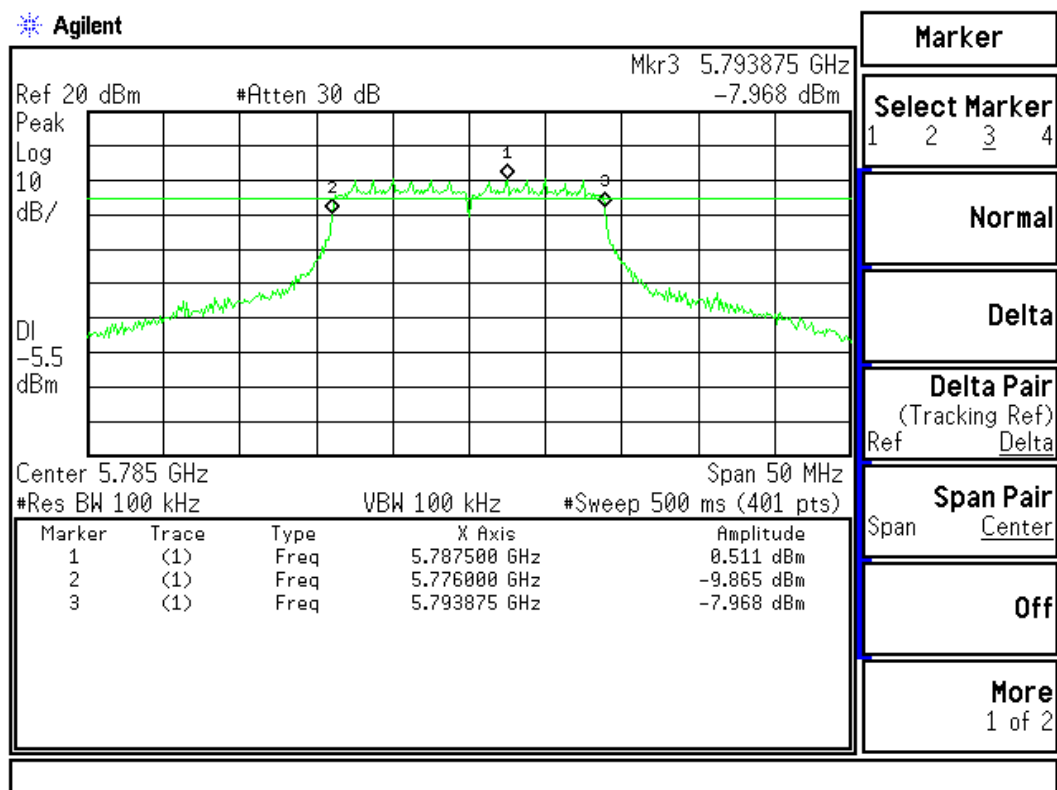
**Ant A-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3 (13.5Mbps)	5785.00	17875	>500	Pass

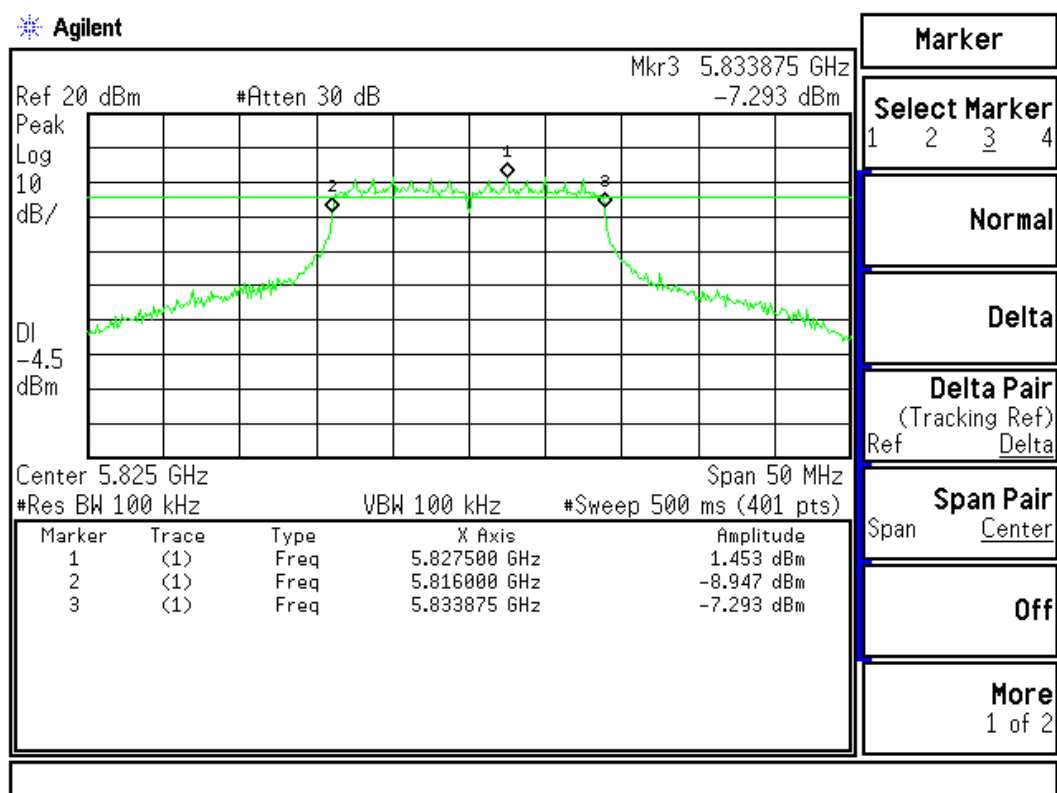
**Ant A-Figure Channel 3:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
5 (13.5Mbps)	5825.00	17875	>500	Pass

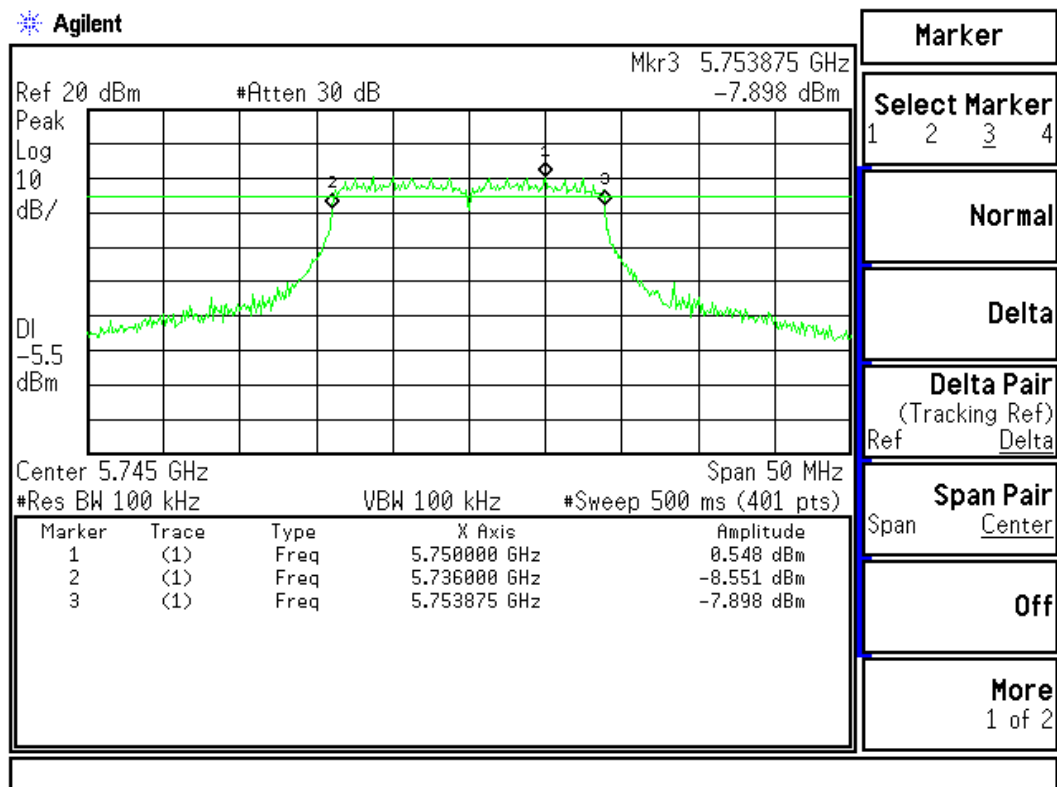
**Ant A-Figure Channel 5:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B  
 (5745MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (13.5Mbps)	5745.00	17875	>500	Pass

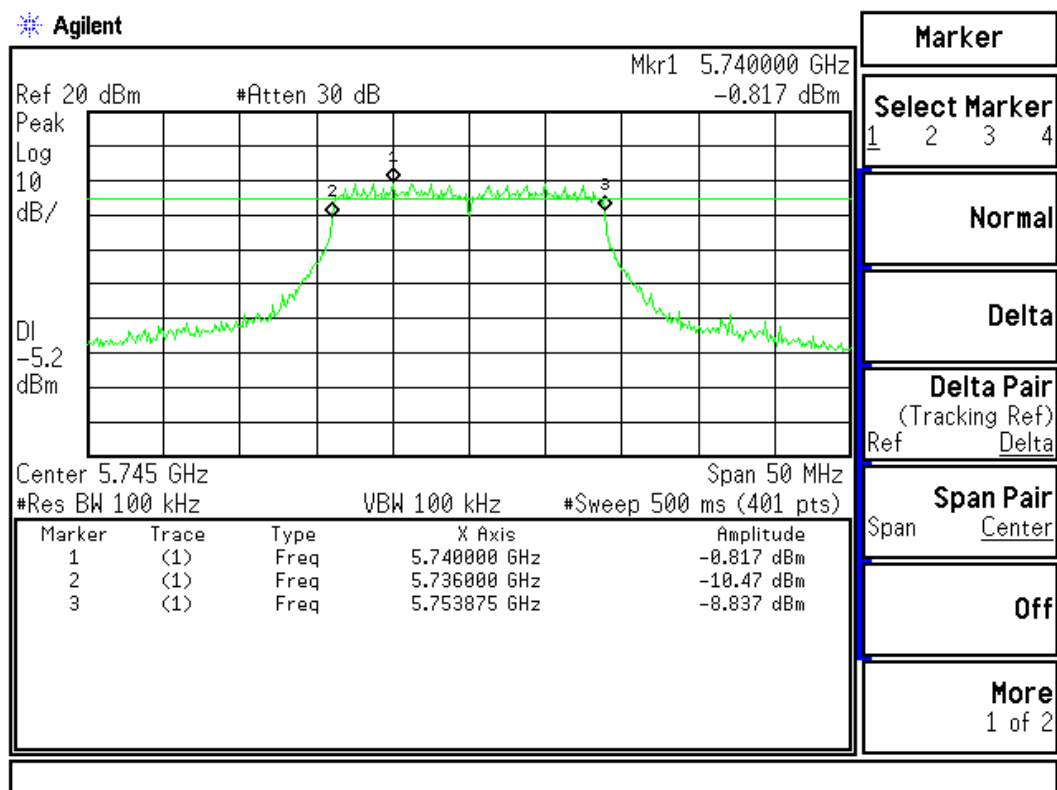
**Ant B-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
3 (13.5Mbps)	5785.00	17875	>500	Pass

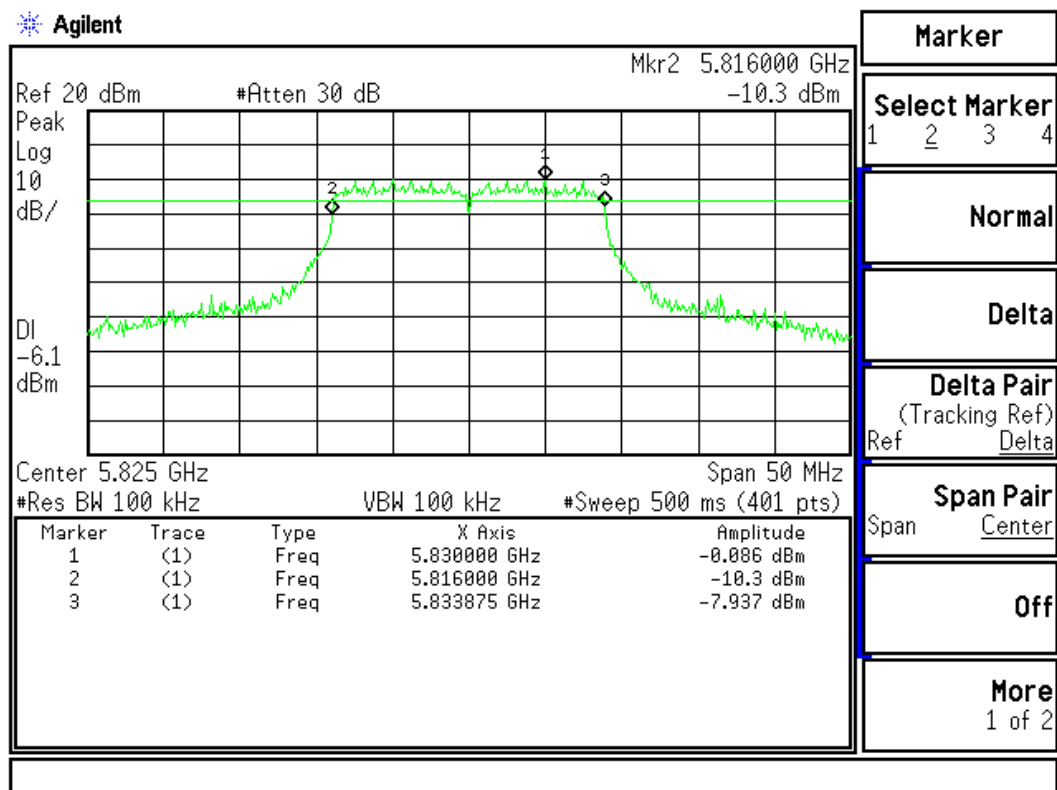
**Ant B-Figure Channel 3:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
5 (13.5Mbps)	5825.00	17875	>500	Pass

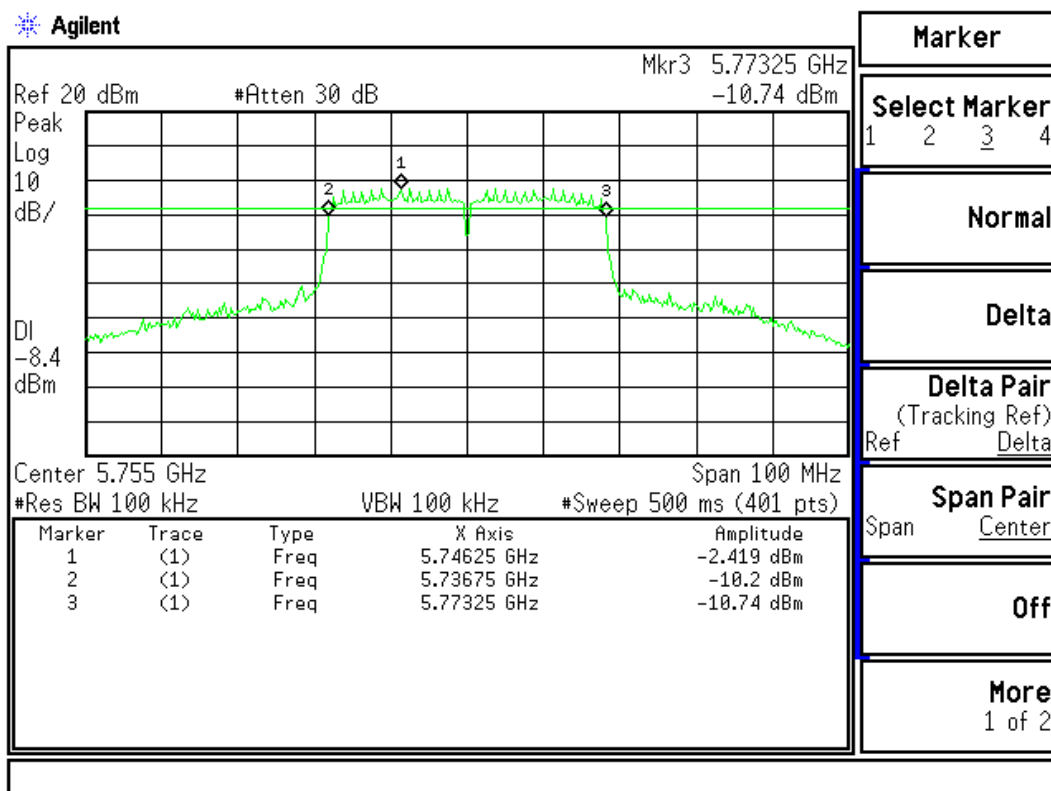
**Ant B-Figure Channel 5:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (27Mbps)	5755.00	36500	>500	Pass

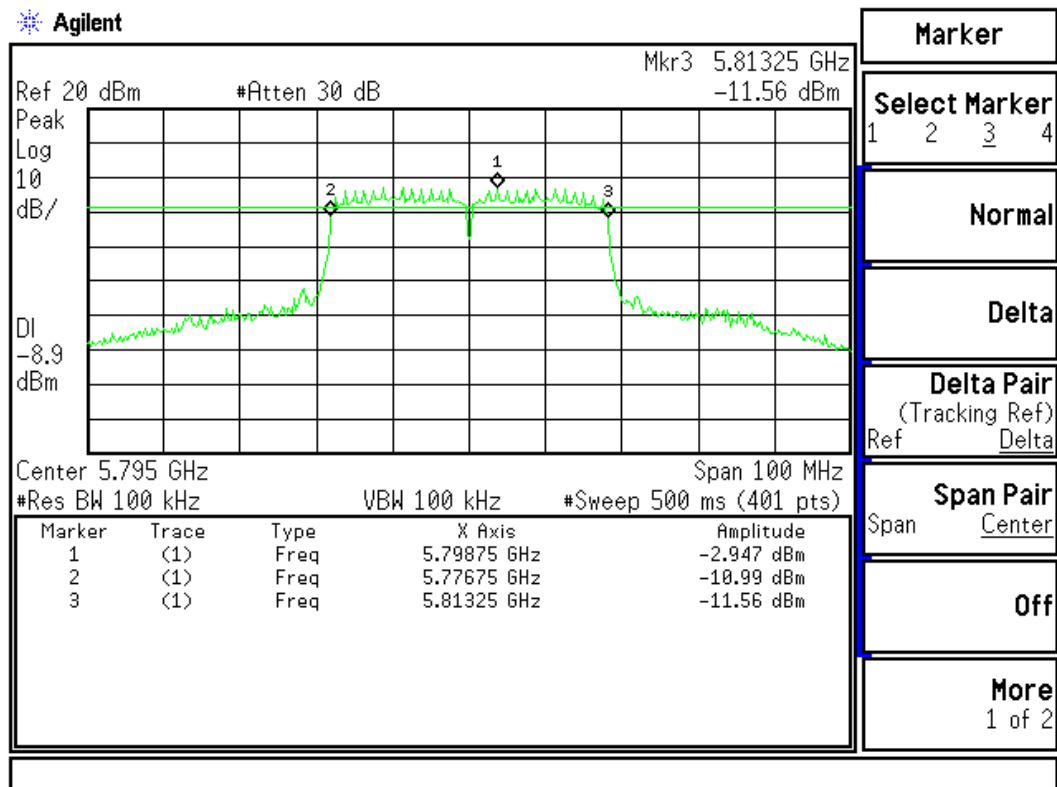
**Ant A-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
2 (27Mbps)	5795.00	36500	>500	Pass

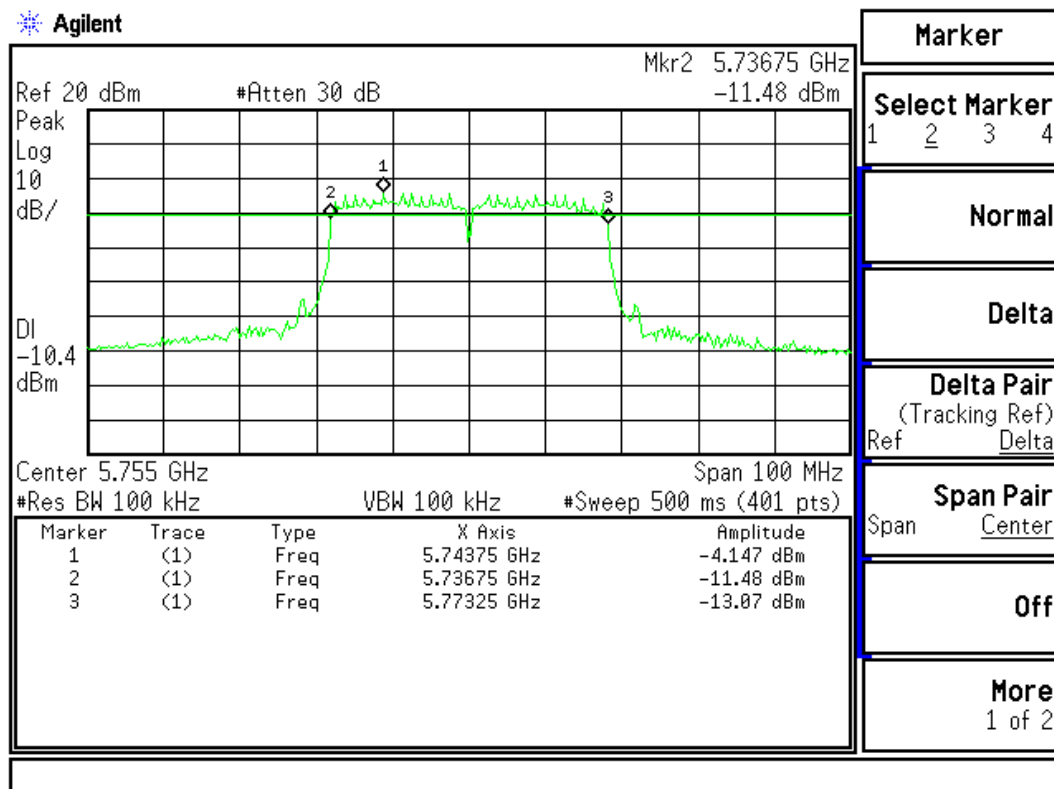
Ant A-Figure Channel 2:



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
1 (27Mbps)	5755.00	36500	>500	Pass

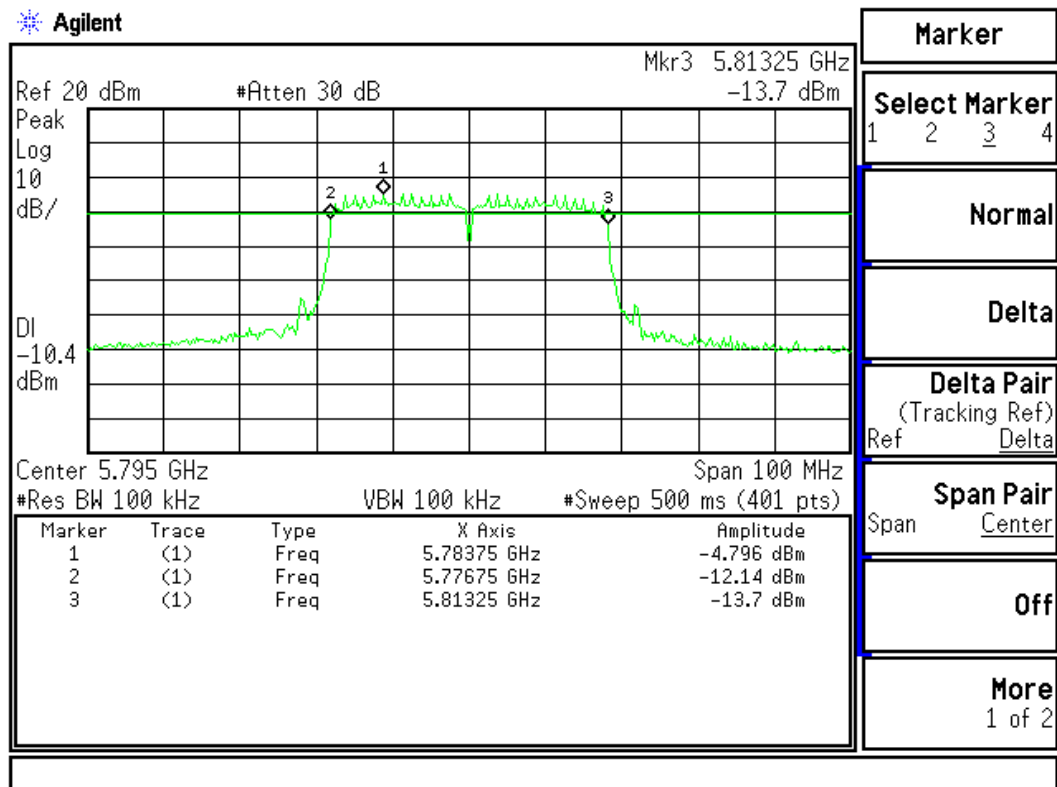
**Ant B-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795MHz)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
2 (27Mbps)	5795.00	36500	>500	Pass

Ant B-Figure Channel 2:



## 8. Power Density

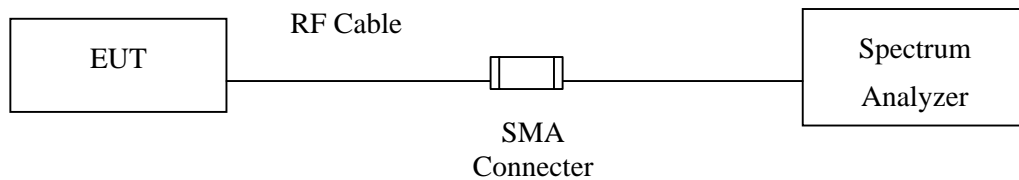
### 8.1. Test Equipment

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, 2008

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

### 8.2. Test Setup



### 8.3. Limits

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

### 8.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.  
Set RBW= 3 kHz, VBW=10KHz, Sweep time=(SPAN/3KHz), detector=Peak detector

### 8.5. Uncertainty

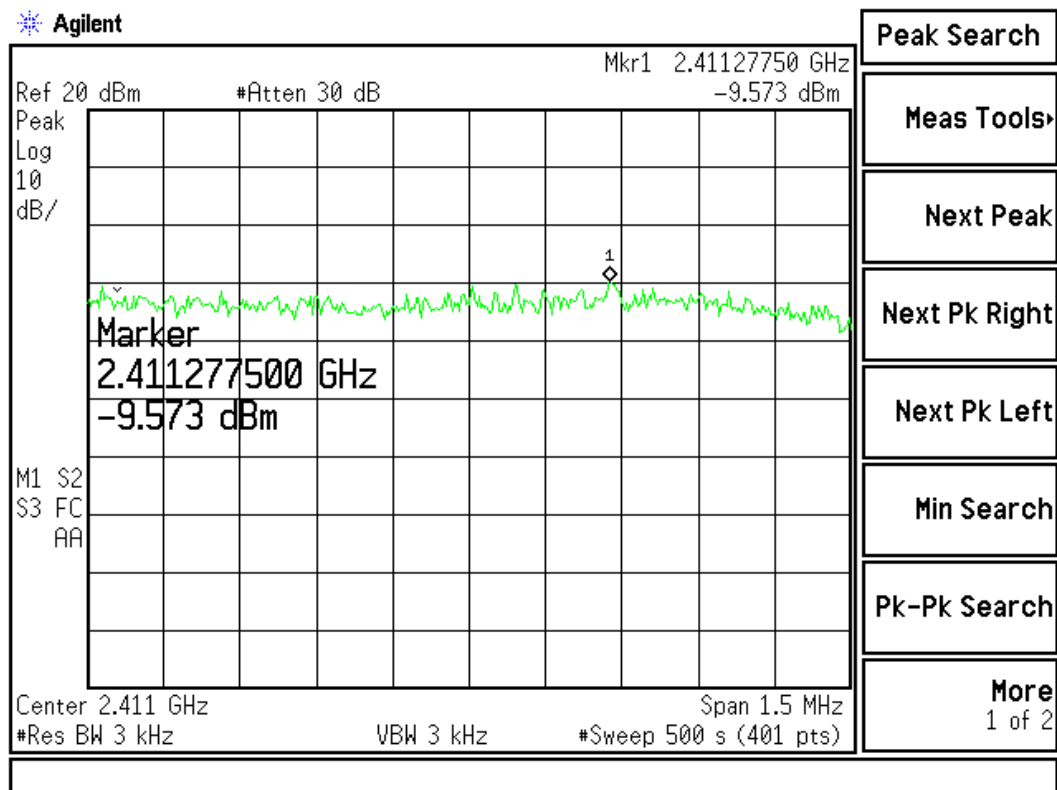
$\pm 1.27$  dB

## 8.6. Test Result of Power Density

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

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (1Mbps)	2412.00	-9.573	< 8dBm	Pass

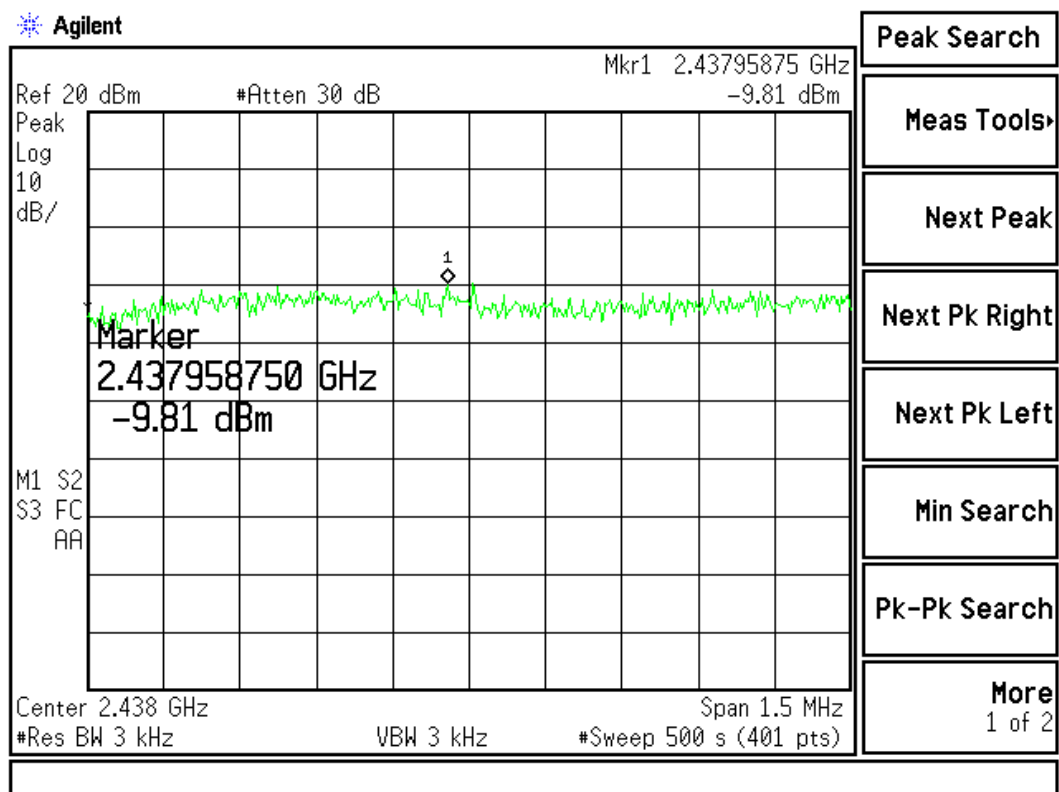
Figure Channel 1:



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

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (1Mbps)	2437.000	-9.81	< 8dBm	Pass

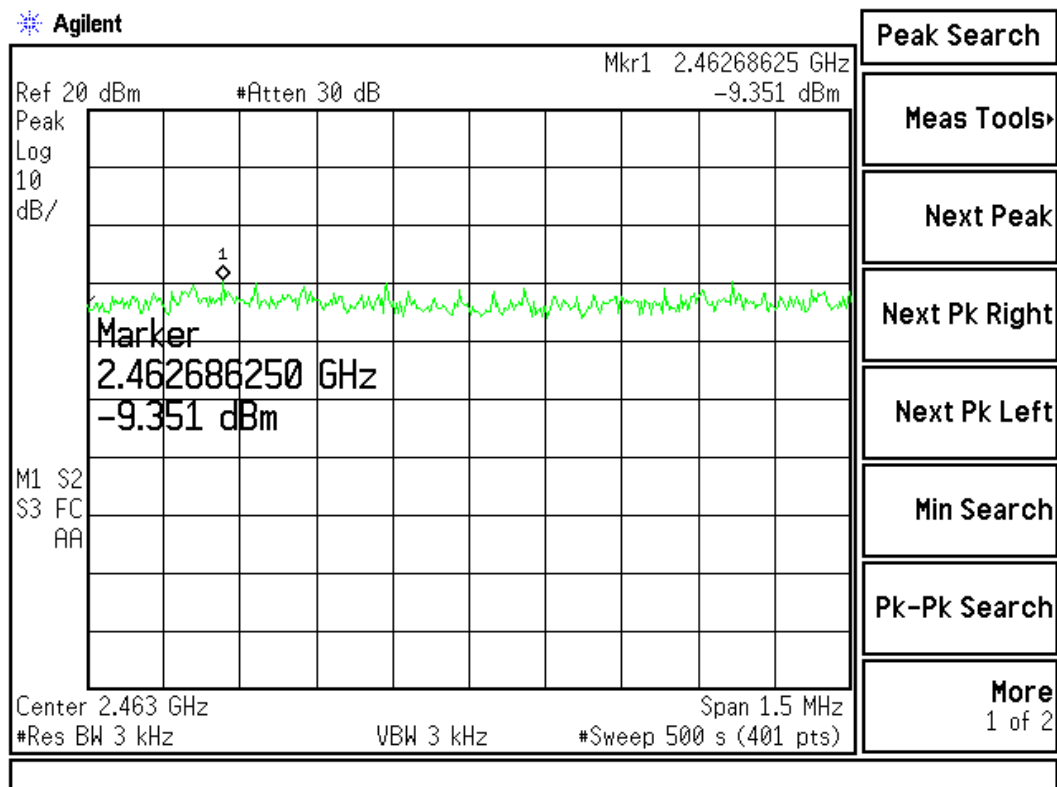
**Figure Channel 6:**



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

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (1Mbps)	2462.00	-9.351	< 8dBm	Pass

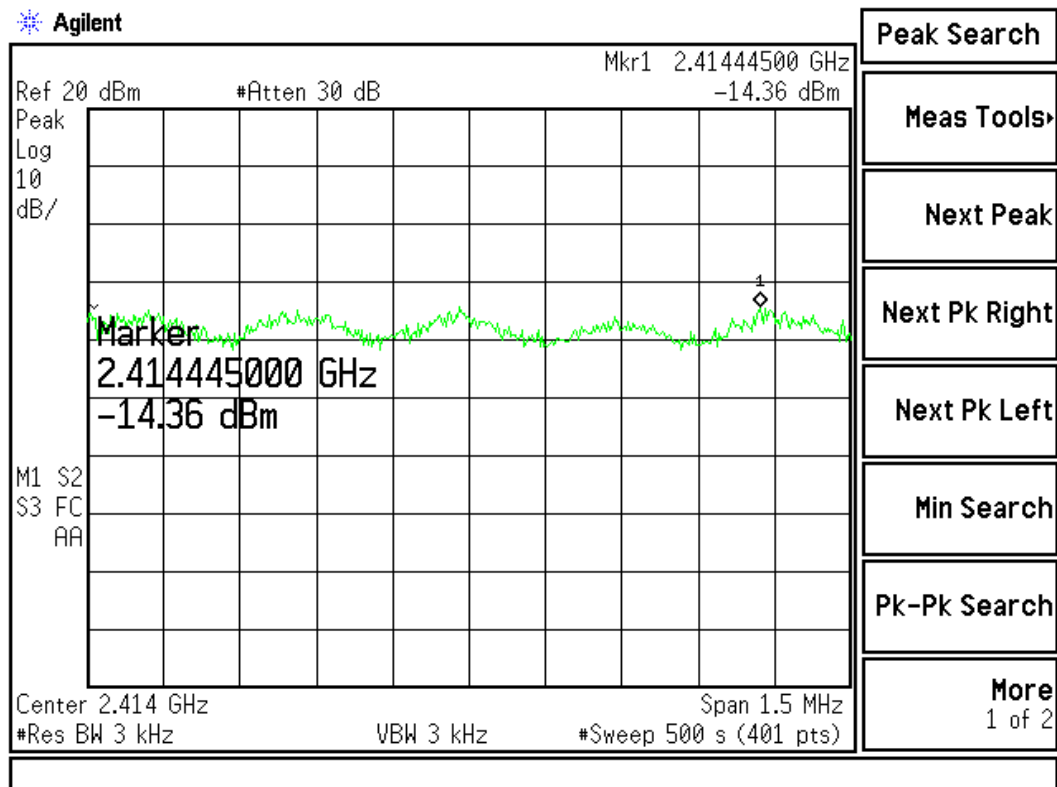
**Figure Channel 11:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (6Mbps)	2412.00	-14.36	< 8dBm	Pass

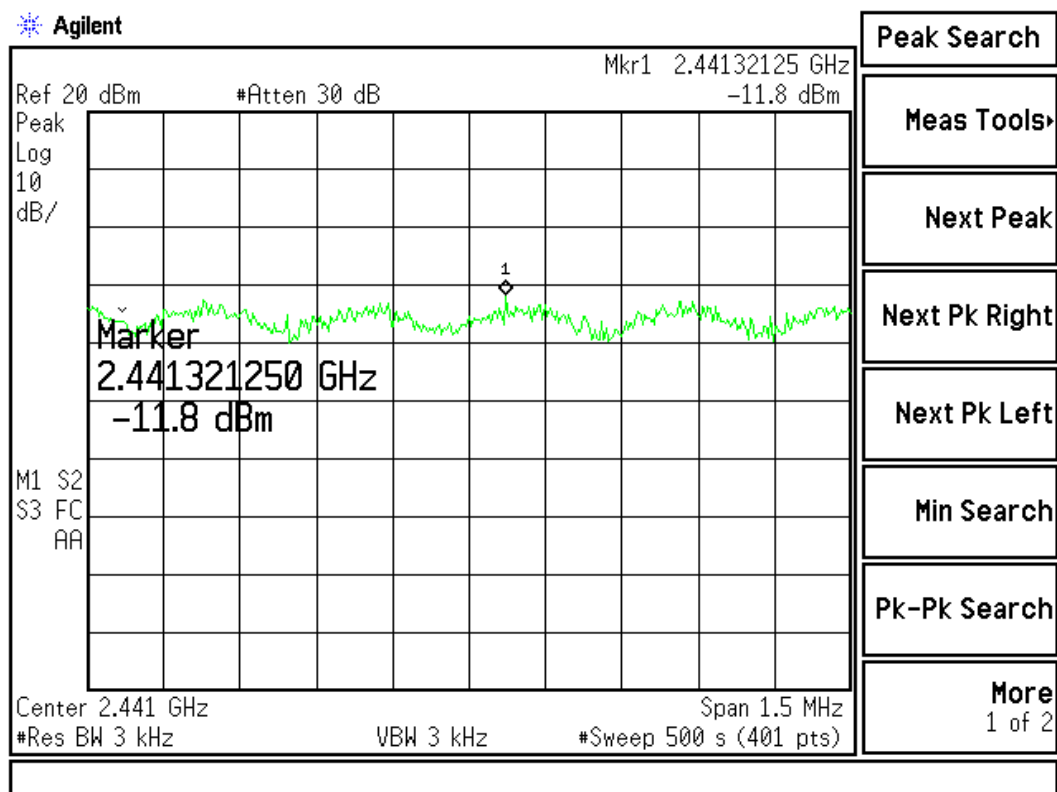
**Figure Channel 1:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (6Mbps)	2437.000	-11.8	< 8dBm	Pass

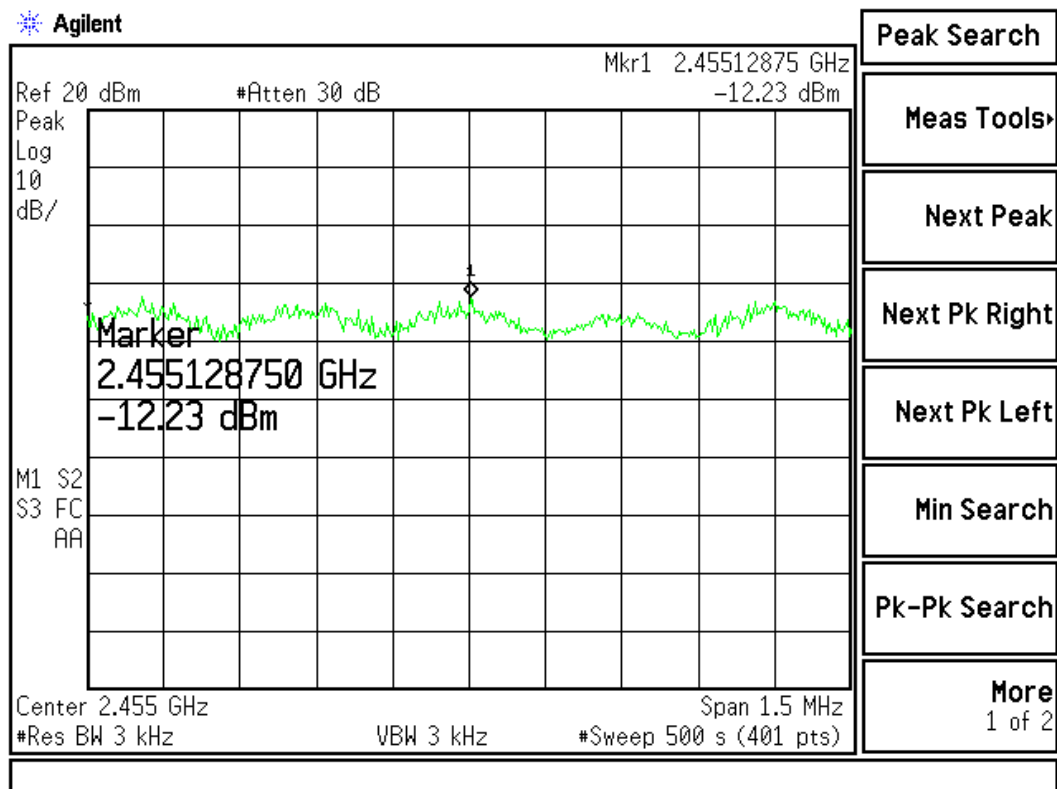
**Figure Channel 6:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmitter (802.11g 6Mbps) (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (6Mbps)	2462.00	-12.23	< 8dBm	Pass

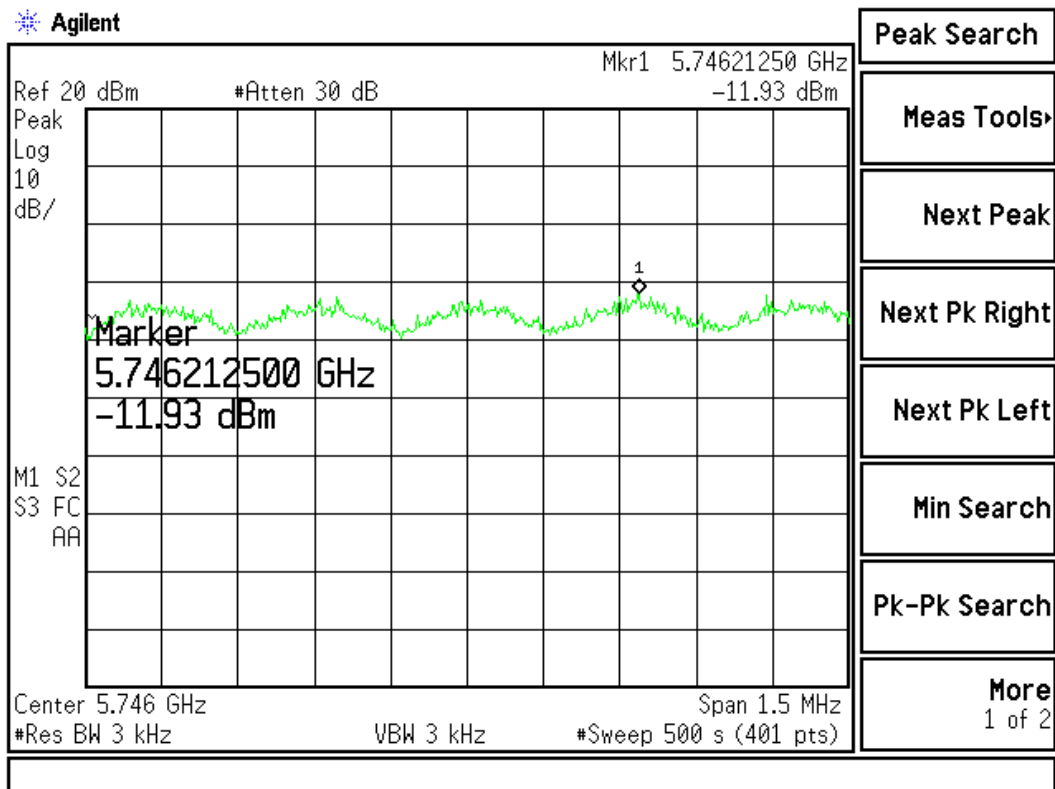
**Figure Channel 11:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5745MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (6Mbps)	5745.00	-11.93	< 8dBm	Pass

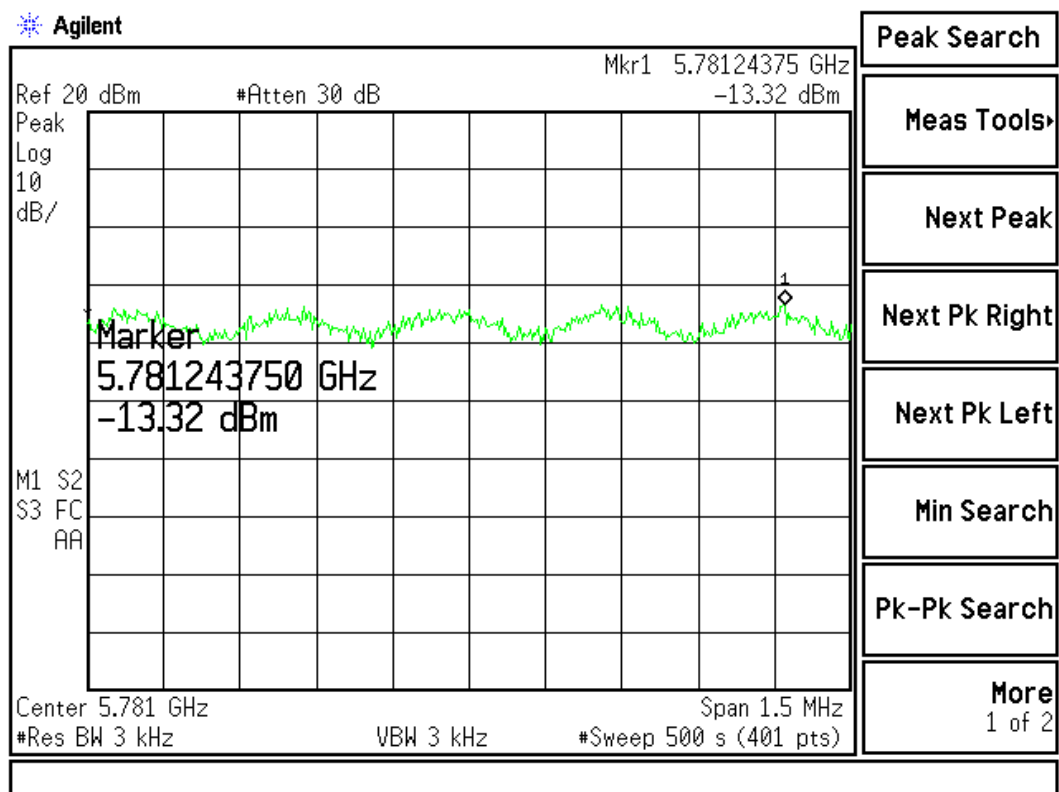
**Figure Channel 1:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (6Mbps)	5785.000	-13.32	< 8dBm	Pass

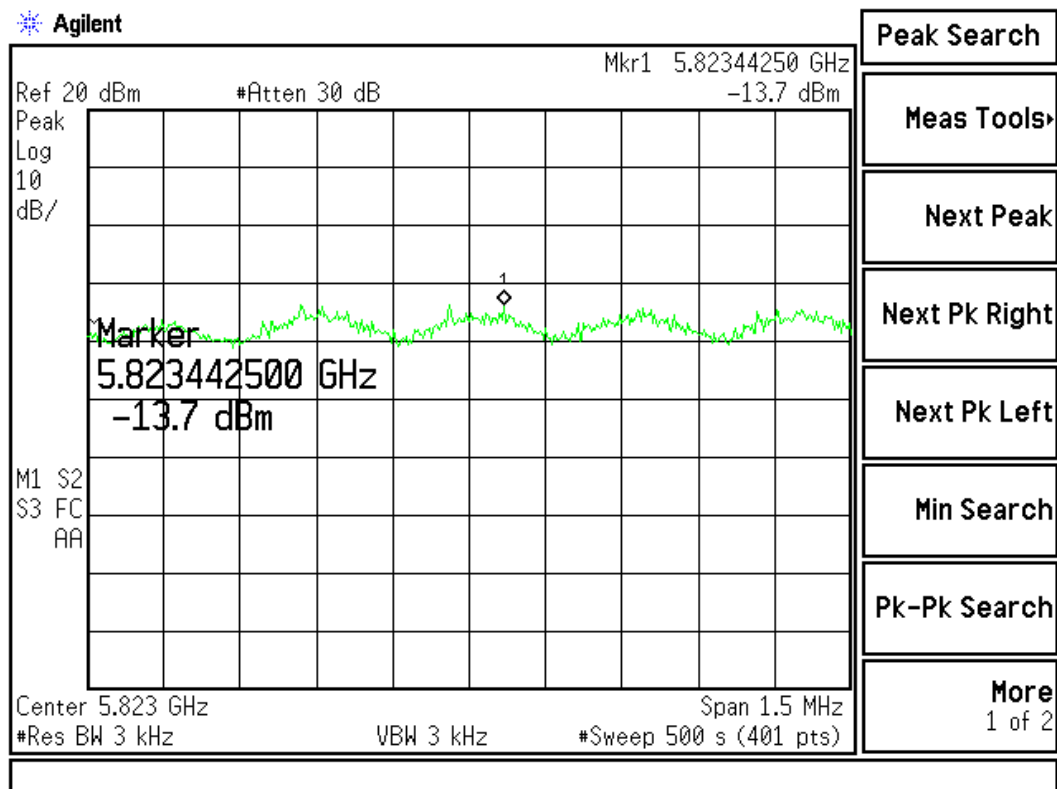
**Figure Channel 6:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmitter (802.11a 6Mbps) (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (6Mbps)	5825.00	-13.7	< 8dBm	Pass

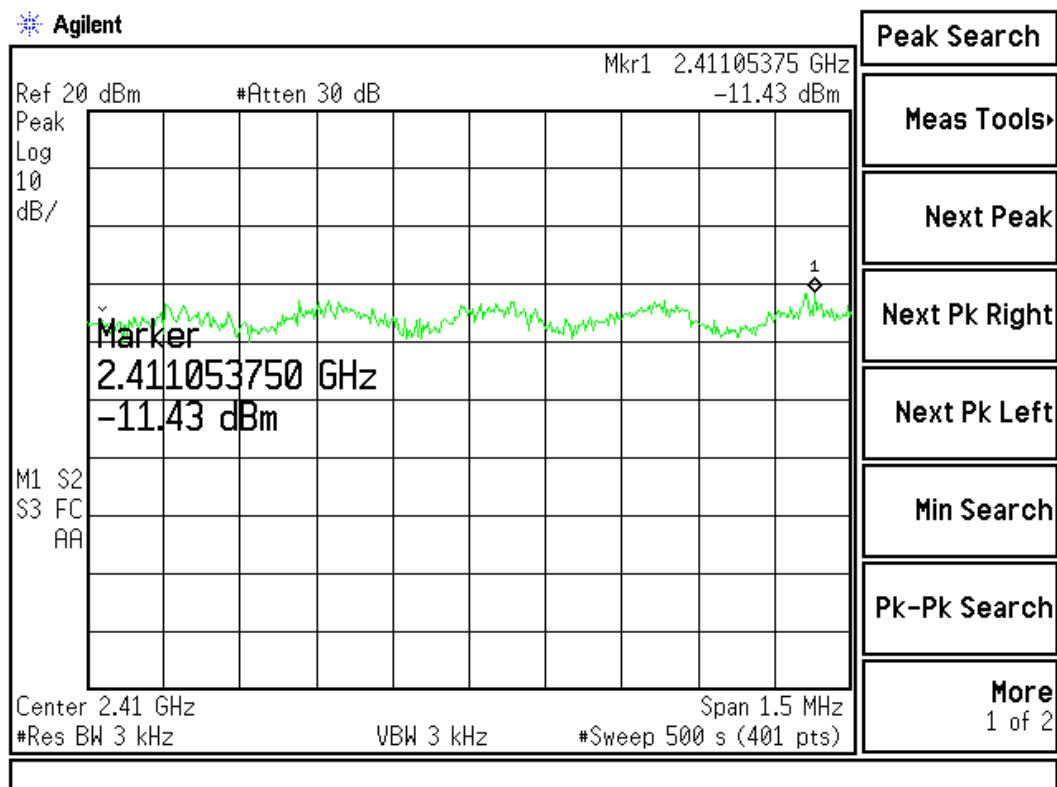
**Figure Channel 11:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (13.5Mbps)	2412.00	-11.43	< 8dBm	Pass

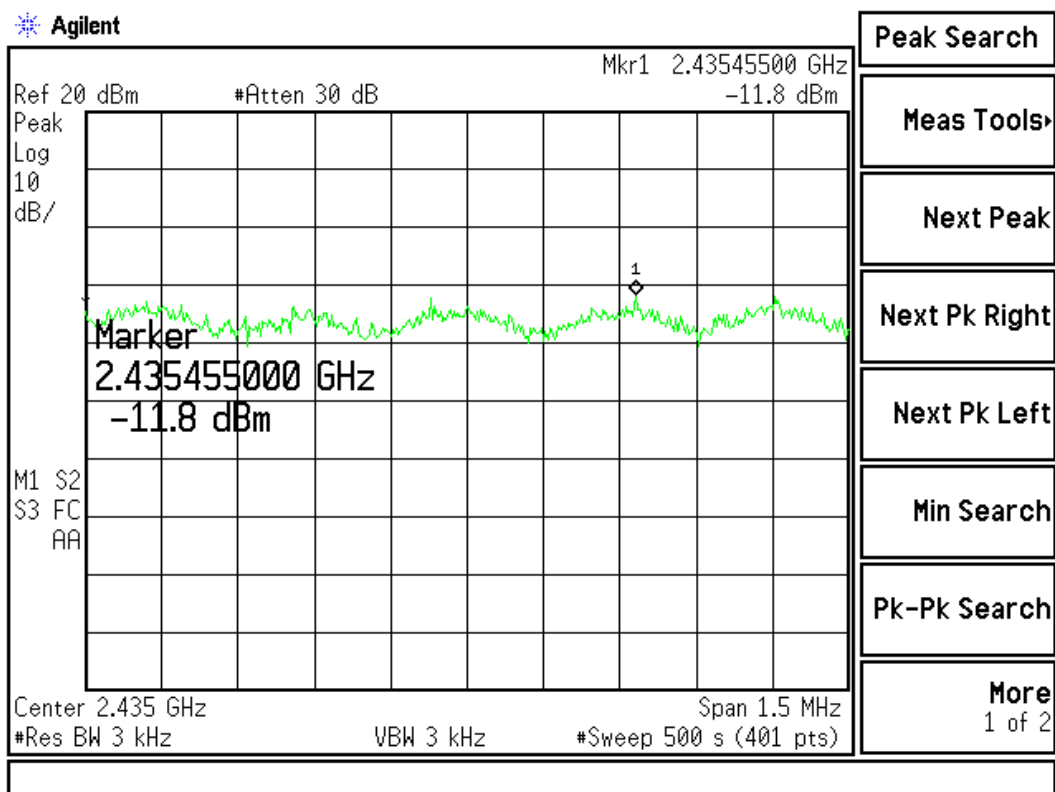
Ant A-Figure Channel 1:



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (13.5Mbps)	2437.000	-11.8	< 8dBm	Pass

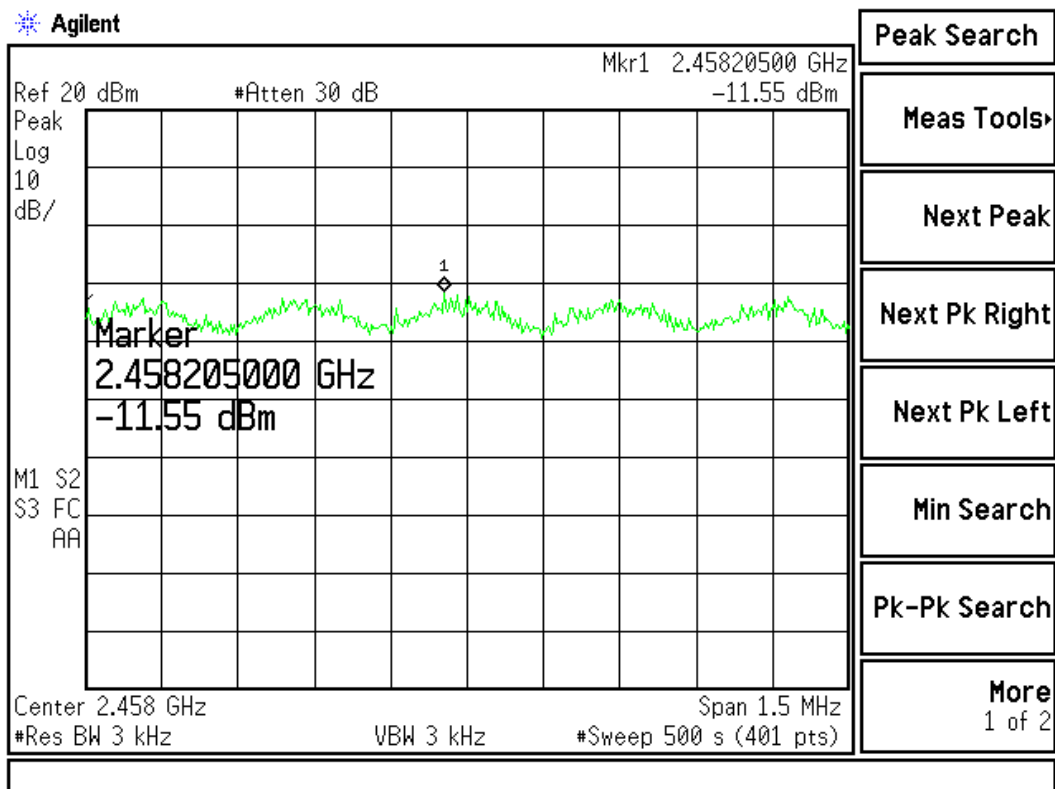
**Ant A-Figure Channel 6:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (13.5Mbps)	2462.00	-11.55	< 8dBm	Pass

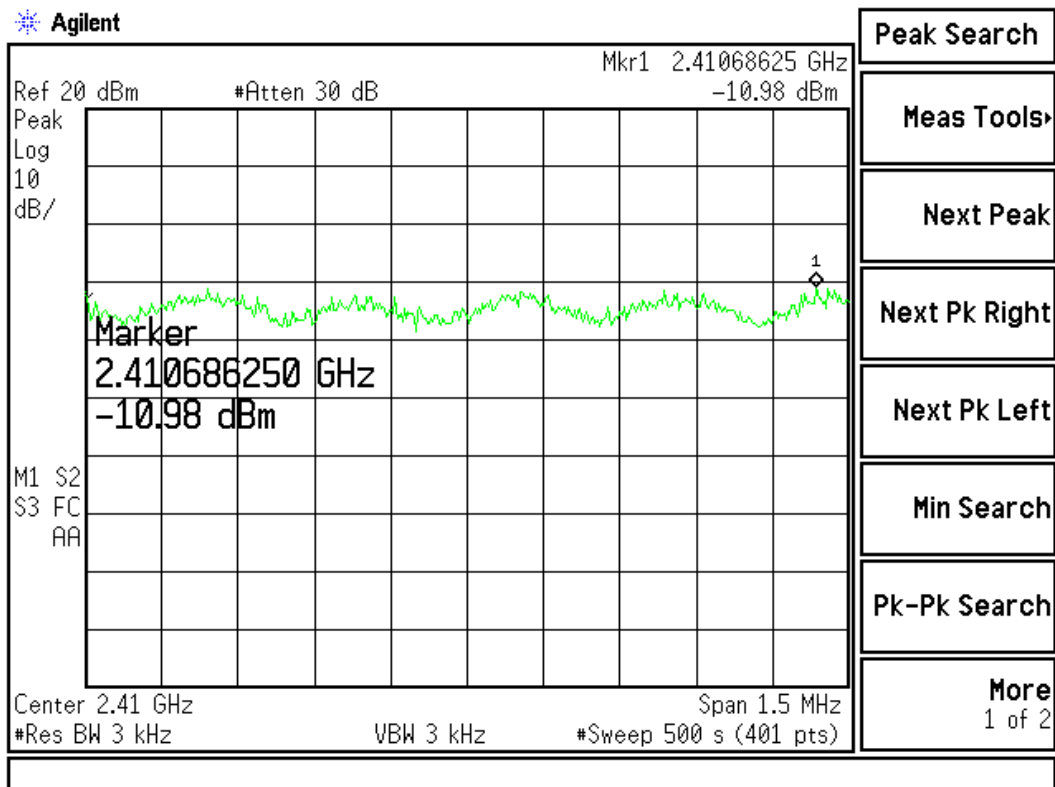
**Ant A-Figure Channel 11:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2412MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (13.5Mbps)	2412.00	-10.98	< 8dBm	Pass

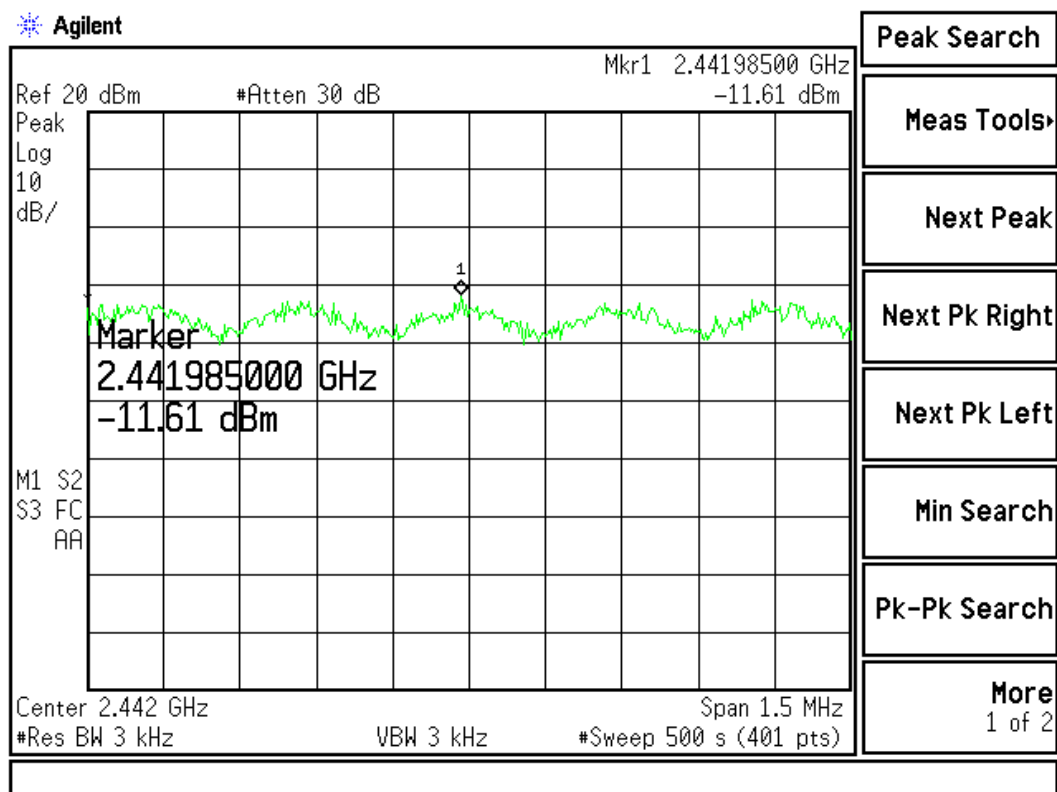
**Ant B-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
6 (13.5Mbps)	2437.000	-11.61	< 8dBm	Pass

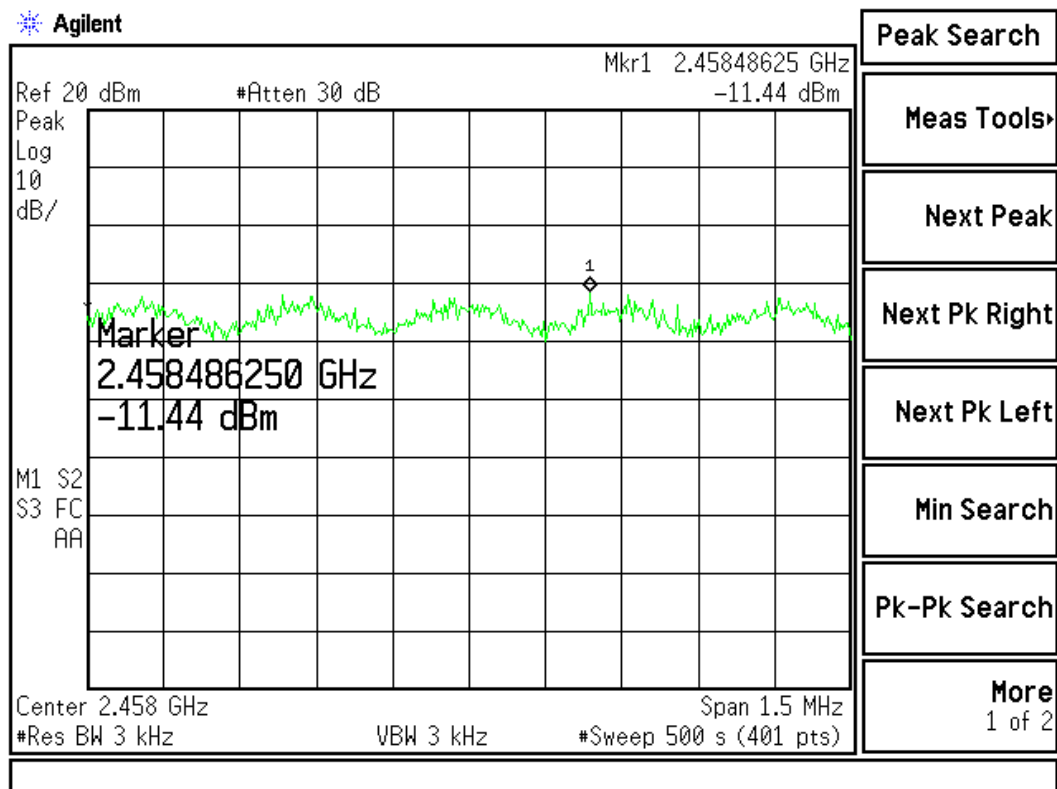
**Ant B-Figure Channel 6:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmitter (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2462MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
11 (13.5Mbps)	2462.00	-11.44	< 8dBm	Pass

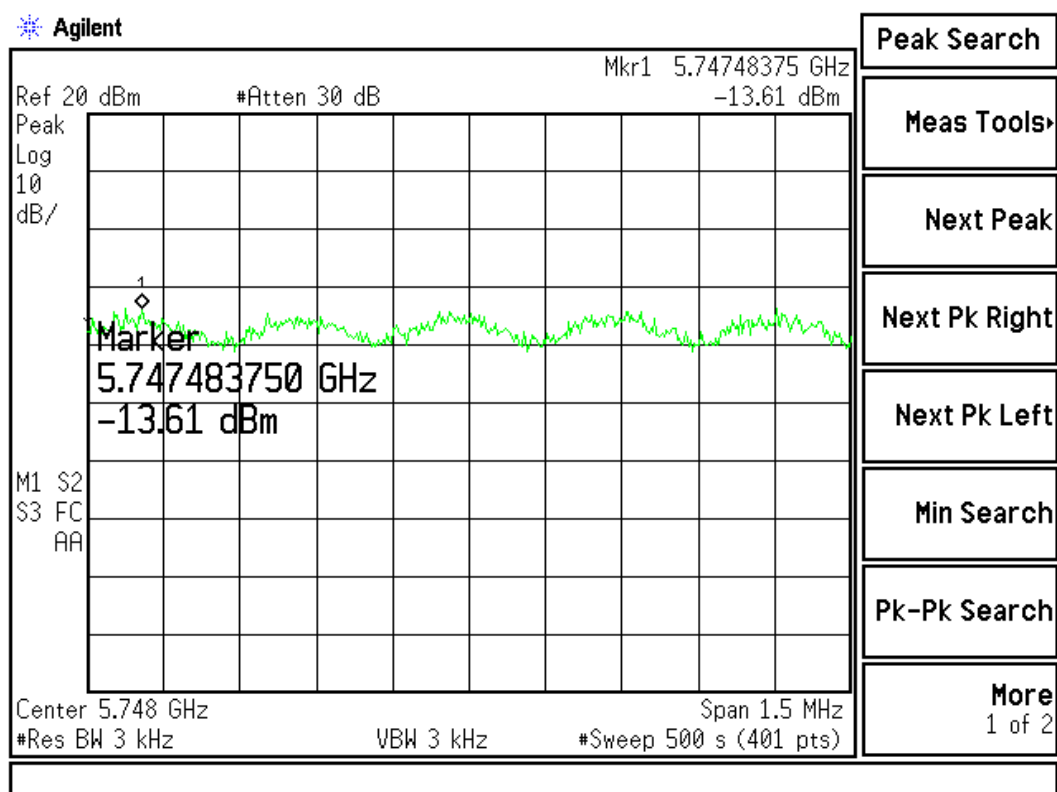
**Ant B-Figure Channel 11:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5745MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (13.5Mbps)	5745.00	-13.61	< 8dBm	Pass

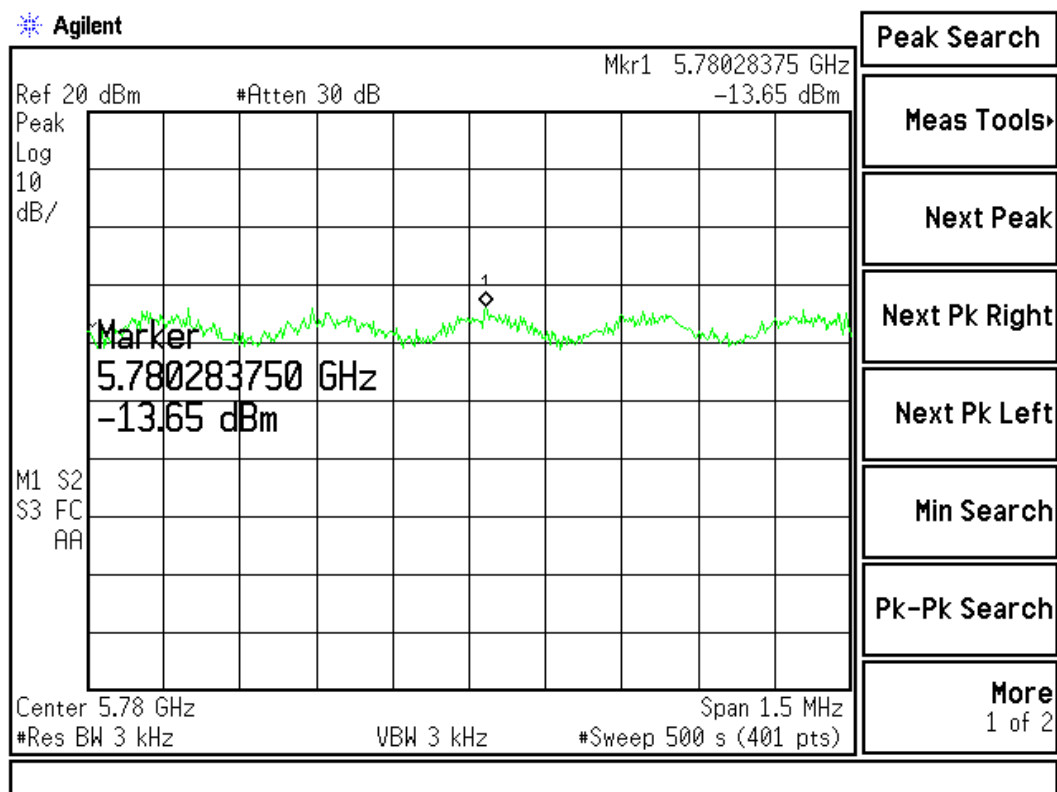
Ant A-Figure Channel 1:



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
3 (13.5Mbps)	5785.000	-13.65	< 8dBm	Pass

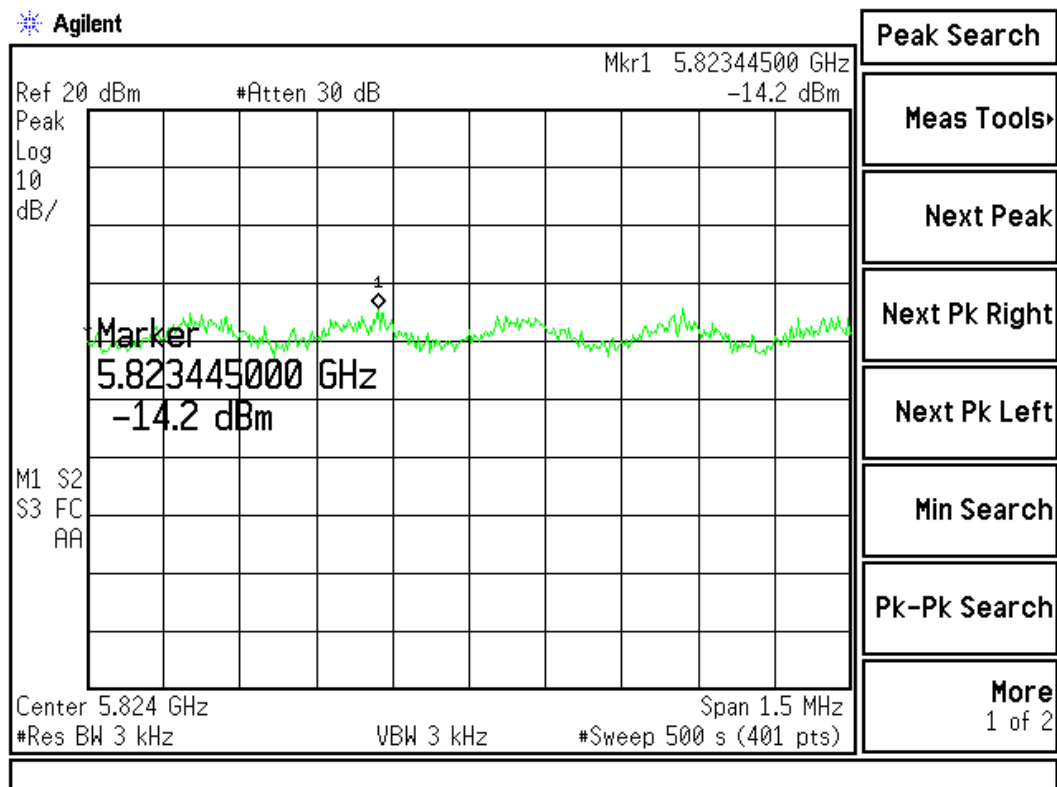
**Ant A-Figure Channel 3:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
5 (13.5Mbps)	5825.00	-14.2	< 8dBm	Pass

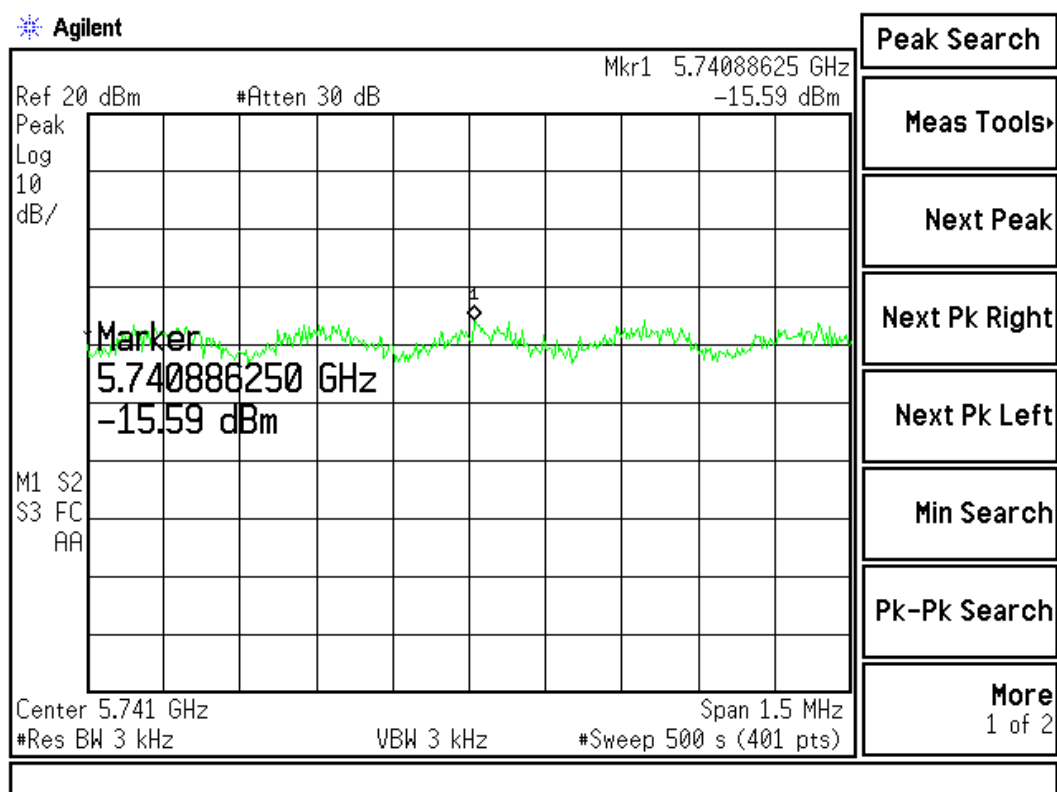
**Ant A-Figure Channel 5:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5745MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (13.5Mbps)	5745.00	-15.59	< 8dBm	Pass

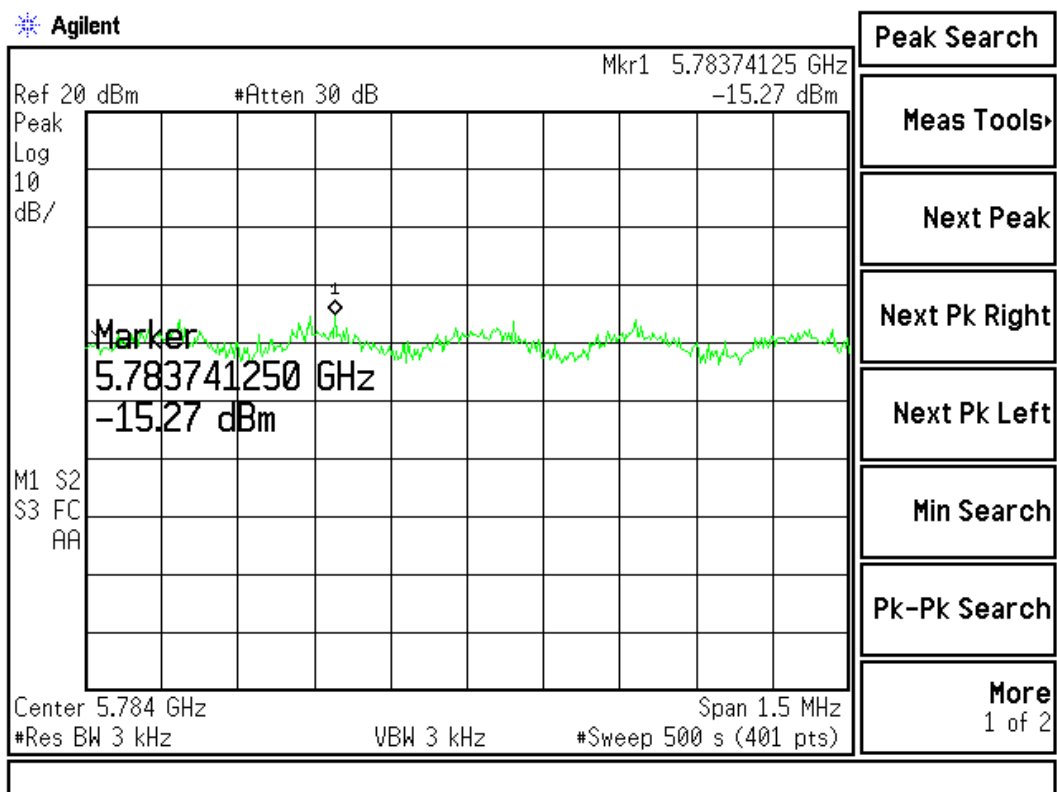
**Ant B-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
3 (13.5Mbps)	5785.000	-15.27	< 8dBm	Pass

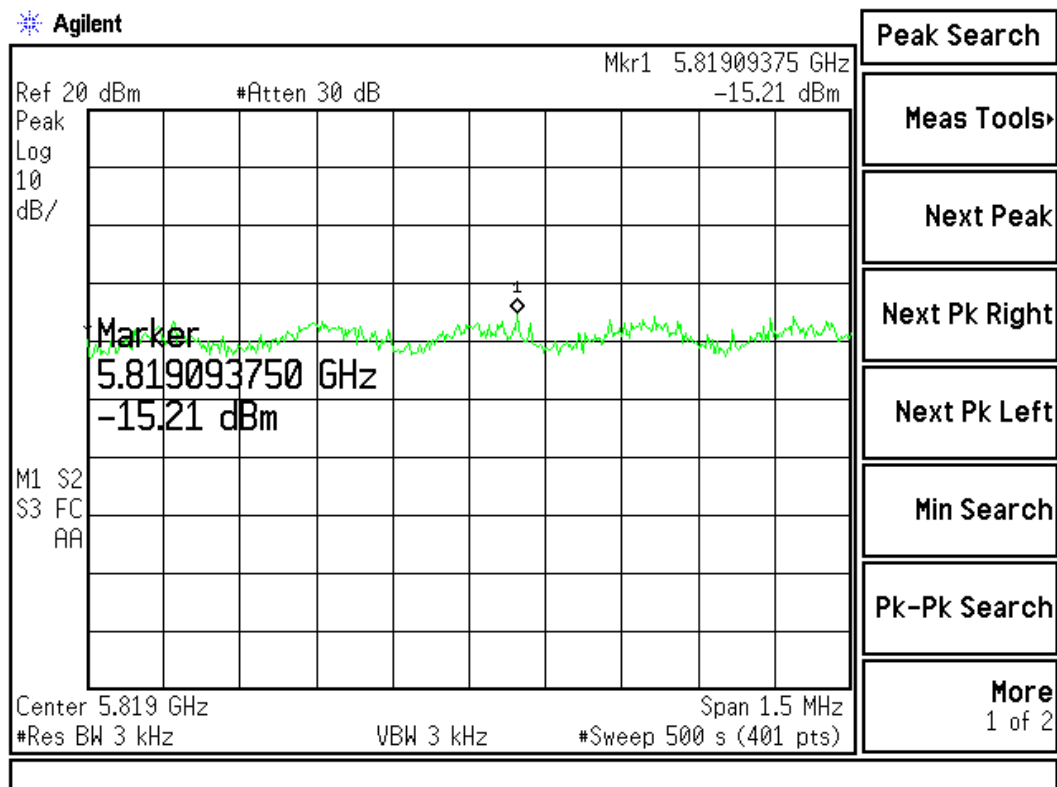
**Ant B-Figure Channel 3:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmitter (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5825MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
5 (13.5Mbps)	5825.00	-15.21	< 8dBm	Pass

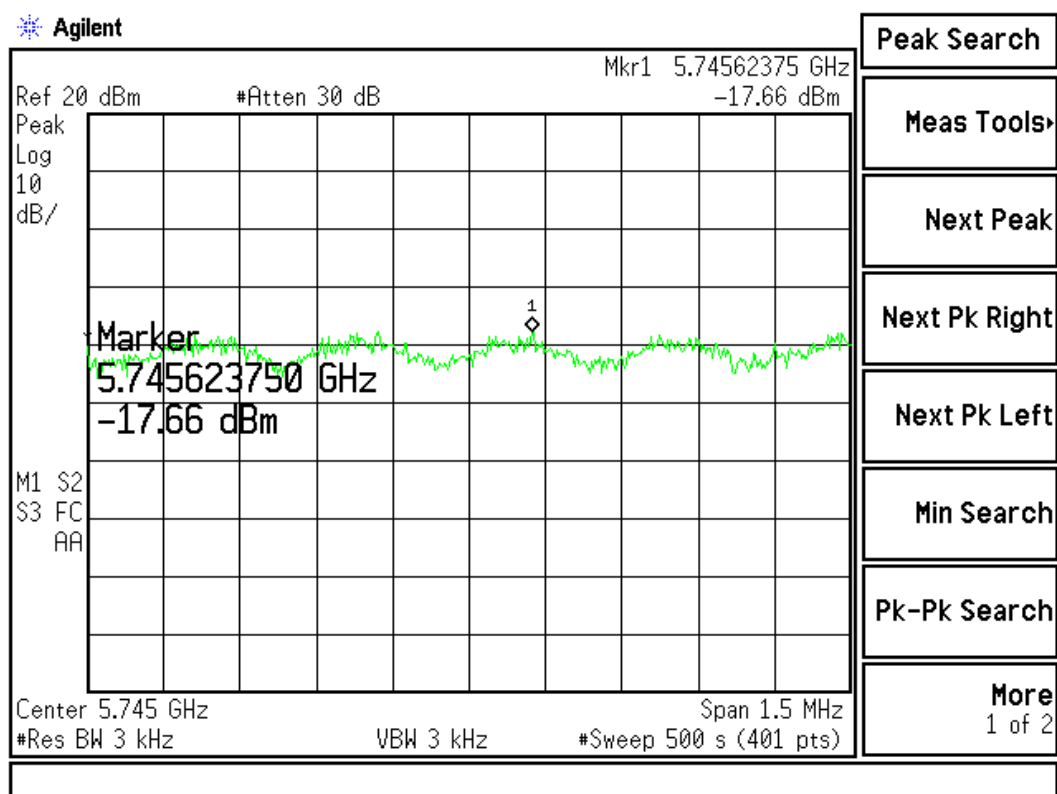
Ant B-Figure Channel 5:



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (27Mbps)	5755.00	-17.66	< 8dBm	Pass

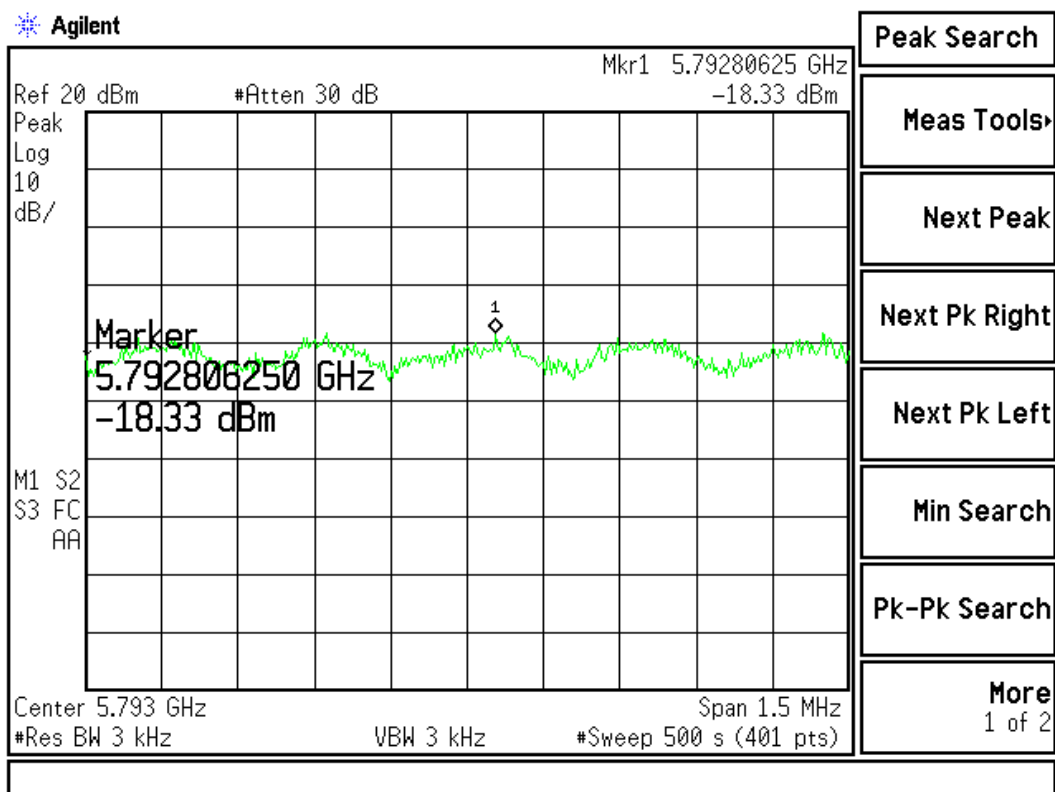
**Ant A-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
2 (27Mbps)	5795.000	-18.33	< 8dBm	Pass

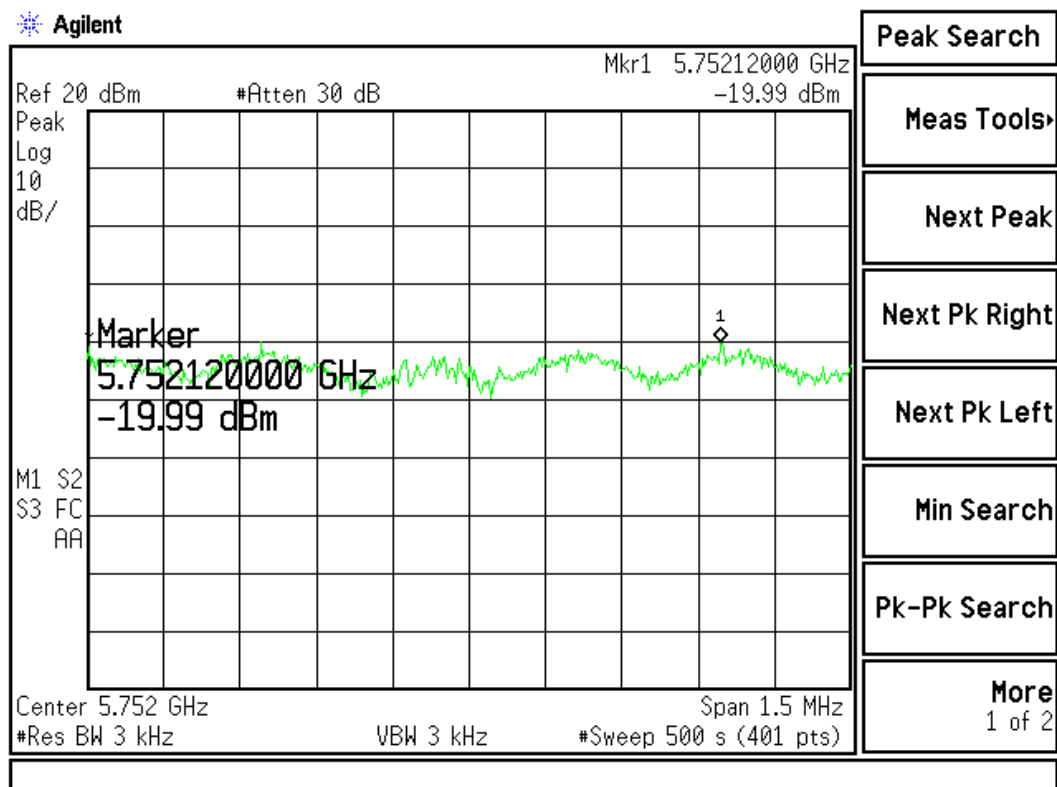
**Ant A-Figure Channel 2:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755MHz)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
1 (27Mbps)	5755.00	-19.99	< 8dBm	Pass

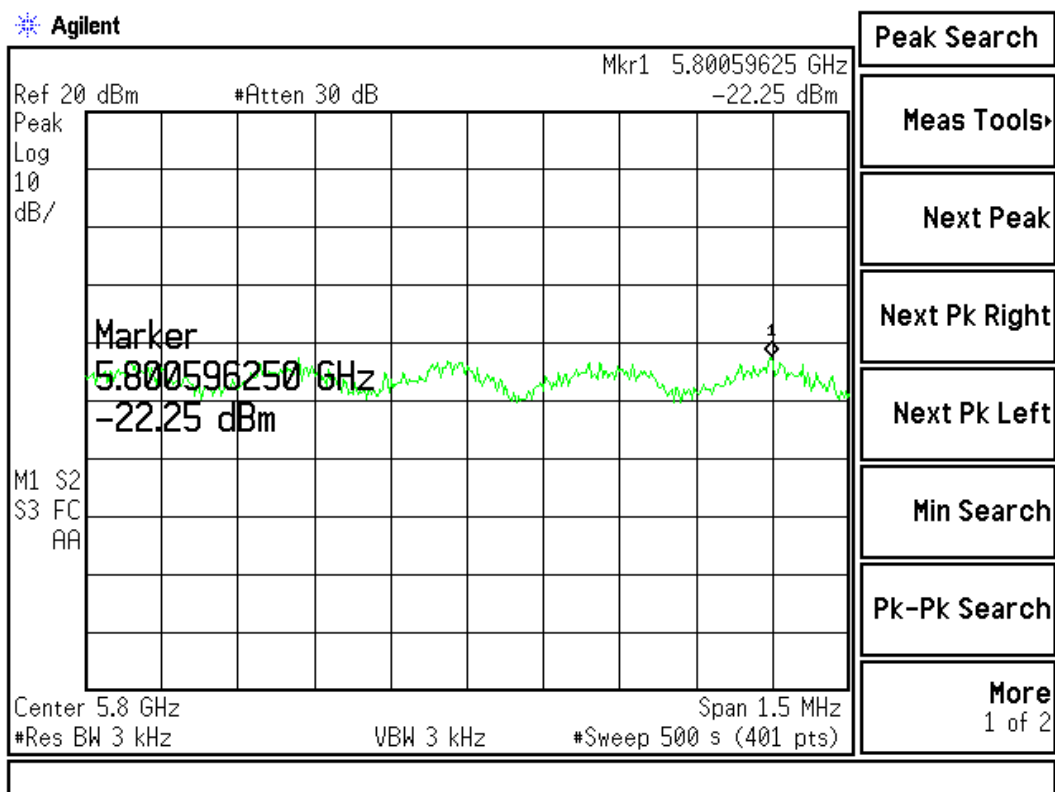
**Ant B-Figure Channel 1:**



Product : Tablet PC  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 6: Transmitter (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795MHz)

Channel No.	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
2 (27Mbps)	5795.000	-22.55	< 8dBm	Pass

**Ant B-Figure Channel 2:**



## **9. EMI Reduction Method During Compliance Testing**

No modification was made during testing.