



Test Report

Product Name	Tablet PC MC-C5 / MC-F5
Model No	CFT-001, CFT-002
FCC ID.	Q3QIHW4965AGN
Transmitter Module.	Intel / 4965AGN

Applicant	Motion Computing Incorporated
Address	8601 Ranch Road 2222, Building #2 Austin, Texas 78730 USA

Date of Receipt	Dec. 24, 2008
Issue Date	Feb. 10, 2009
Report No.	08C321R-RFUSP05V01
Version	V1.0

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of Quietek Corporation.

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

Test Report Certification

Issue Date: Feb. 10, 2009

Report No.: 08C321R-RFUSP05V01



Accredited by NIST (NVLAP)
NVLAP Lab Code: 200533-0

Product Name	Tablet PC MC-C5 / MC-F5
Applicant	Motion Computing Incorporated
Address	8601 Ranch Road 2222, Building #2 Austin, Texas 78730 USA
Manufacturer	Pegatron Corporation
Model No.	CFT-001, CFT-002
Rated Voltage	AC 120V/60Hz
Working Voltage	DC 3.3V
Trade Name	Motion Computing Incorporated
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2007 ANSI C63.4: 2003
Test Result	Complied



The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of Quietek Corporation.

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

Documented By : Rita Huang
(Engineering Adm. Specialist / Rita Huang)



Tested By : Dino Chen
(Engineer / Dino Chen)

Approved By : Vincent Lin
(Manager / Vincent Lin)



TABLE OF CONTENTS

Description	Page
1. GENERAL INFORMATION	5
1.1. EUT Description.....	5
1.2. Operational Description	7
1.3. Tested System Details.....	8
1.4. Configuration of Tested System	8
1.5. EUT Exercise Software	8
1.6. Test Facility	9
2. Conducted Emission.....	10
2.1. Test Equipment.....	10
2.2. Test Setup	10
2.3. Limits	11
2.4. Test Procedure	11
2.5. Uncertainty	11
2.6. Test Result of Conducted Emission.....	12
3. Peak Power Output	16
3.1. Test Equipment.....	16
3.2. Test Setup	16
3.3. Limits	16
3.4. Test Procedure	16
3.5. Uncertainty	16
3.6. Test Result of Peak Power Output.....	17
4. Radiated Emission.....	23
4.1. Test Equipment.....	23
4.2. Test Setup	24
4.3. Limits	25
4.4. Test Procedure	25
4.5. Uncertainty	26
4.6. Test Result of Radiated Emission.....	27
5. RF antenna conducted test.....	50
5.1. Test Equipment.....	50
5.2. Test Setup	50
5.3. Limits	50
5.4. Test Procedure	50
5.5. Uncertainty	51
5.6. Test Result of RF antenna conducted test.....	52
6. Band Edge	69
6.1. Test Equipment.....	69
6.2. Test Setup	69
6.3. Limits	70
6.4. Test Procedure	70
6.5. Uncertainty	70
6.6. Test Result of Band Edge	71

7.	Occupied Bandwidth	83
7.1.	Test Equipment.....	83
7.2.	Test Setup	83
7.3.	Limits	83
7.4.	Test Procedure	83
7.5.	Uncertainty	83
7.6.	Test Result of Occupied Bandwidth	84
8.	Power Density	109
8.1.	Test Equipment.....	109
8.2.	Test Setup	109
8.3.	Limits	109
8.4.	Test Procedure	109
8.5.	Uncertainty	109
8.6.	Test Result of Power Density	110
9.	EMI Reduction Method During Compliance Testing	135

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Tablet PC MC-C5 / MC-F5
Trade Name	Motion Computing Incorporated
Model No.	CFT-001, CFT-002
FCC ID.	Q3QIHWM4965AGN
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 Type	PIFA
Antenna Gain	Refer to the table "Antenna List"
Channel Control	Auto
Power Adapter	MFR: DELTA, M/N: ADP-50HH REV.B Input: 100-240V, 50-60Hz, 1.5A Output: 19V-2.64A Cable out: Non-Shielded, 1.75m with one ferrite core bonded. Power Cord: Non-Shielded, 0.75m

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Yageo	CAN4313 580 012501B (Main) CAN 4313 580 022501B (Aux) CAN4313 580 032501B (Mimo)	PIFA	0.67 dBi in 2.4 GHz 3.52 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 MC-C5 / MC-F5 with a built-in 2.4GHz & 5GHz WLAN transceiver.
2. The EUT is including two models for different marketing requirement.
3. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
4. 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
5. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

1.2. Operational Description

The EUT is a Tablet PC MC-C5 / MC-F5 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 IEEE 802.11n is Multiple In, Multiple Out” (MIMO) technology.

The device adapts direct sequence spread spectrum modulation. The antenna provides diversity function to improve the receiving function and the antennas to support 2(Transmit) × 3(Receive) MIMO technology.

This Tablet PC MC-C5 / MC-F5, 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 Direst Sequence Spread Spectrum (DSSS) radio transmission, the Tablet PC MC-C5 / MC-F5 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: Transmit (802.11b 1Mbps)
	Mode 2: Transmit (802.11g 6Mbps)
	Mode 3: Transmit (802.11a 6Mbps)
	Mode 4: Transmit (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B
	Mode 5: Transmit (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B
	Mode 6: Transmit (802.11n-5G Band 40BW 27Mbps)-Ant A+B

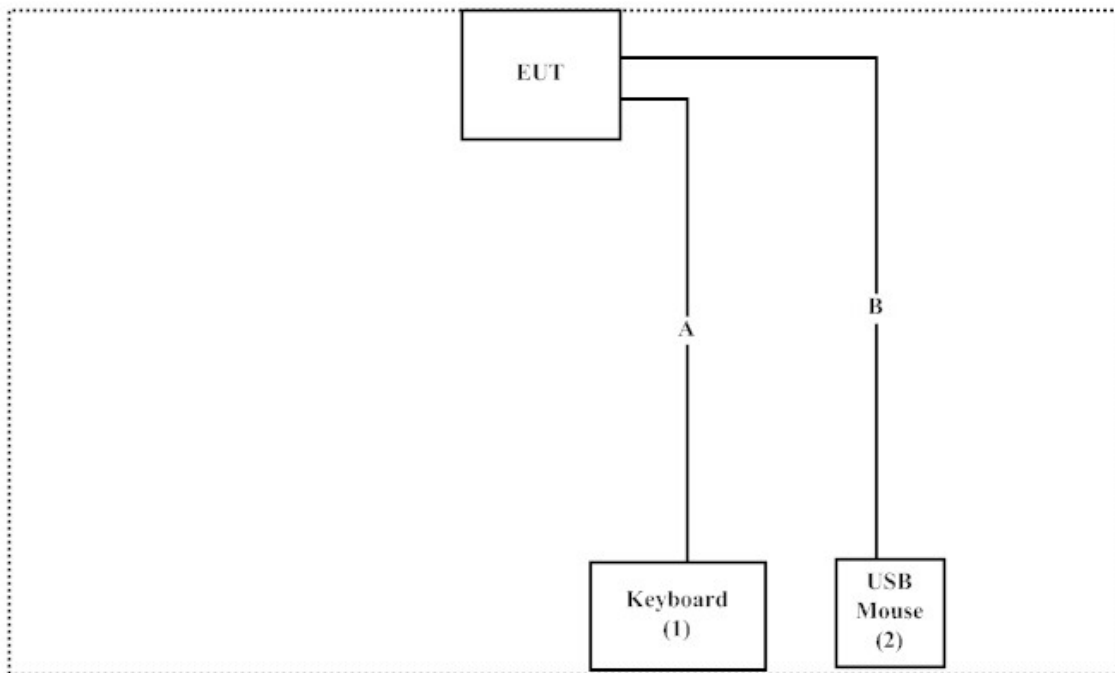
1.3. Tested System Details

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)	Keyboard	BTC	5200U	N/A	N/A
(2)	USB Mouse	Logitech	M-BE58	HCA30102934	N/A

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

1.4. Configuration of Tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute 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



Site Name: Quietek Corporation
 Site Address: No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen,
 Lin-Kou Shiang, Taipei,
 Taiwan, R.O.C.
 TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789
 E-Mail : service@quietek.com

FCC Accreditation Number: TW1014



2. Conducted Emission

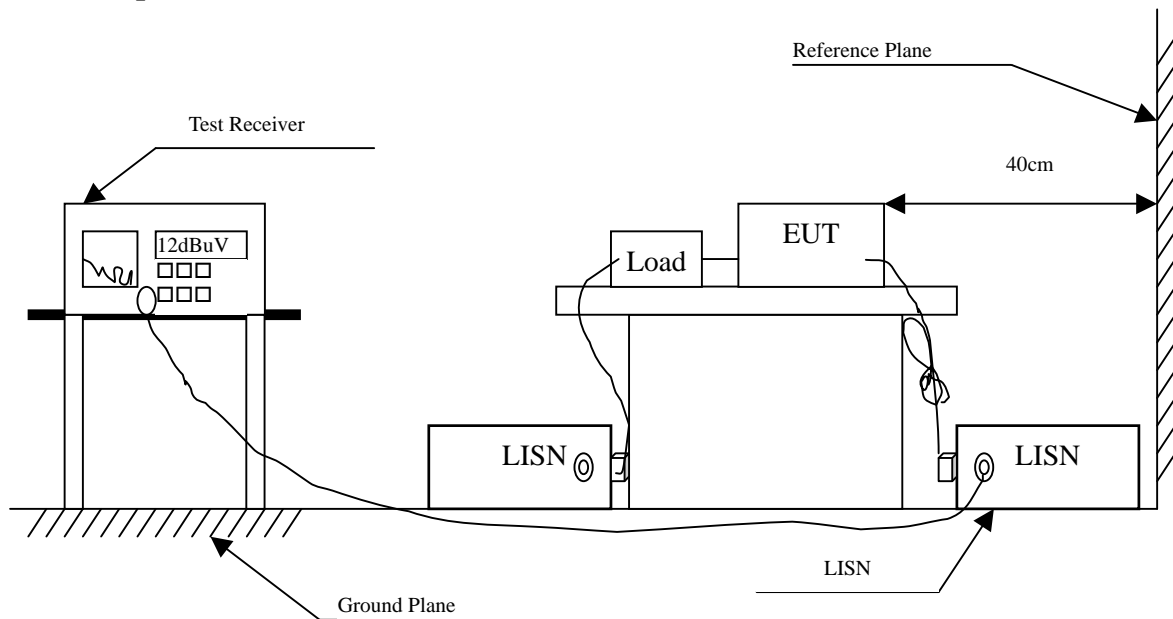
2.1. Test Equipment

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

± 2.26 dB

2.6. Test Result of Conducted Emission

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 4: Transmit (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
Line 1					
Quasi-Peak					
0.166	9.746	22.720	32.465	-33.078	65.543
0.181	9.724	31.540	41.264	-23.850	65.114
0.209	9.701	16.980	26.681	-37.633	64.314
0.341	9.650	24.010	33.660	-26.883	60.543
0.966	9.670	18.120	27.790	-28.210	56.000
7.845	9.780	13.870	23.650	-36.350	60.000
Average					
0.166	9.746	9.680	19.425	-36.118	55.543
0.181	9.724	14.880	24.604	-30.510	55.114
0.209	9.701	11.840	21.541	-32.773	54.314
0.341	9.650	16.920	26.570	-23.973	50.543
0.966	9.670	10.870	20.540	-25.460	46.000
7.845	9.780	5.530	15.310	-34.690	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 MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 4: Transmit (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
Line 2					
Quasi-Peak					
0.209	9.711	20.230	29.941	-34.373	64.314
0.279	9.667	20.860	30.527	-31.787	62.314
0.345	9.658	14.780	24.438	-35.991	60.429
0.482	9.640	30.040	39.680	-16.834	56.514
1.388	9.670	22.450	32.120	-23.880	56.000
5.904	9.720	21.220	30.940	-29.060	60.000
Average					
0.209	9.711	13.050	22.761	-31.553	54.314
0.279	9.667	13.910	23.577	-28.737	52.314
0.345	9.658	13.040	22.698	-27.731	50.429
0.482	9.640	14.360	24.000	-22.514	46.514
1.388	9.670	14.830	24.500	-21.500	46.000
5.904	9.720	8.490	18.210	-31.790	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 MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 6: Transmit (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 1					
Quasi-Peak					
0.162	9.750	36.500	46.250	-19.407	65.657
0.209	9.701	18.760	28.461	-35.853	64.314
0.283	9.656	35.450	45.106	-17.094	62.200
0.736	9.636	32.290	41.926	-14.074	56.000
0.974	9.670	27.930	37.600	-18.400	56.000
1.388	9.670	18.410	28.080	-27.920	56.000
Average					
0.162	9.750	26.240	35.990	-19.667	55.657
0.209	9.701	17.550	27.251	-27.063	54.314
0.283	9.656	17.000	26.656	-25.544	52.200
0.736	9.636	21.390	31.026	-14.974	46.000
0.974	9.670	22.540	32.210	-13.790	46.000
1.388	9.670	11.080	20.750	-25.250	46.000

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "■" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
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 MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 6: Transmit (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795Hz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 2					
Quasi-Peak					
0.185	9.727	20.550	30.278	-34.722	65.000
0.209	9.711	21.630	31.341	-32.973	64.314
0.279	9.667	25.700	35.367	-26.947	62.314
0.345	9.658	29.160	38.818	-21.611	60.429
0.486	9.640	23.760	33.400	-23.000	56.400
1.041	9.670	21.380	31.050	-24.950	56.000
Average					
0.185	9.727	13.820	23.548	-31.452	55.000
0.209	9.711	13.820	23.531	-30.783	54.314
0.279	9.667	10.410	20.077	-32.237	52.314
0.345	9.658	17.400	27.058	-23.371	50.429
0.486	9.640	15.290	24.930	-21.470	46.400
1.041	9.670	13.510	23.180	-22.820	46.000

Note:

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

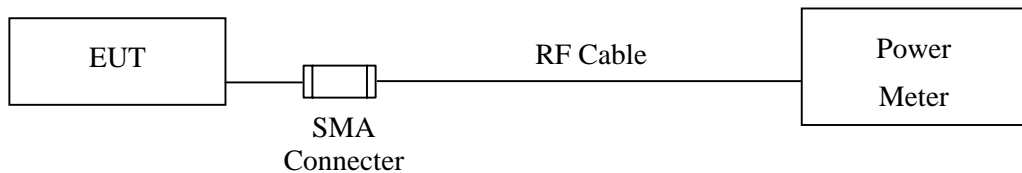
The following test equipments are used during the radiated emission tests:

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

± 1.27 dB

3.6. Test Result of Peak Power Output

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

Cable loss=0.5dB		Peak Power Output				Required Limit
Channel No.	Frequency (MHz)	Data Rate(Mbps)				
		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 MC-C5 / MC-F5
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (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 MC-C5 / MC-F5
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (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	19.11	18.78	18.21	17.85	17.32	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 MC-C5 / MC-F5
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

Ant- A

Cable loss=0.5dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		8	9	10	11	12	13	14	15	
1	2412.00	23.70	--	--	--	--	--	--	--	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								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		8	9	10	11	12	13	14	15	
1	2412.00	23.53	--	--	--	--	--	--	--	1Watt= 30 dBm
6	2437.00	23.60	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 MC-C5 / MC-F5
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11n-5G Band 20BW 13.5Mbps)-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	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								
Channel No.	Frequency (MHz)	Data Rate(MCS)								Required Limit
		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 MC-C5 / MC-F5
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n-5G Band 40BW 27Mbps)-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	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								Required Limit
Channel No.	Frequency (MHz)	Data Rate(MCS)								
		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								Required Limit
Channel No.	Frequency (MHz)	Data Rate(MCS)								
		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

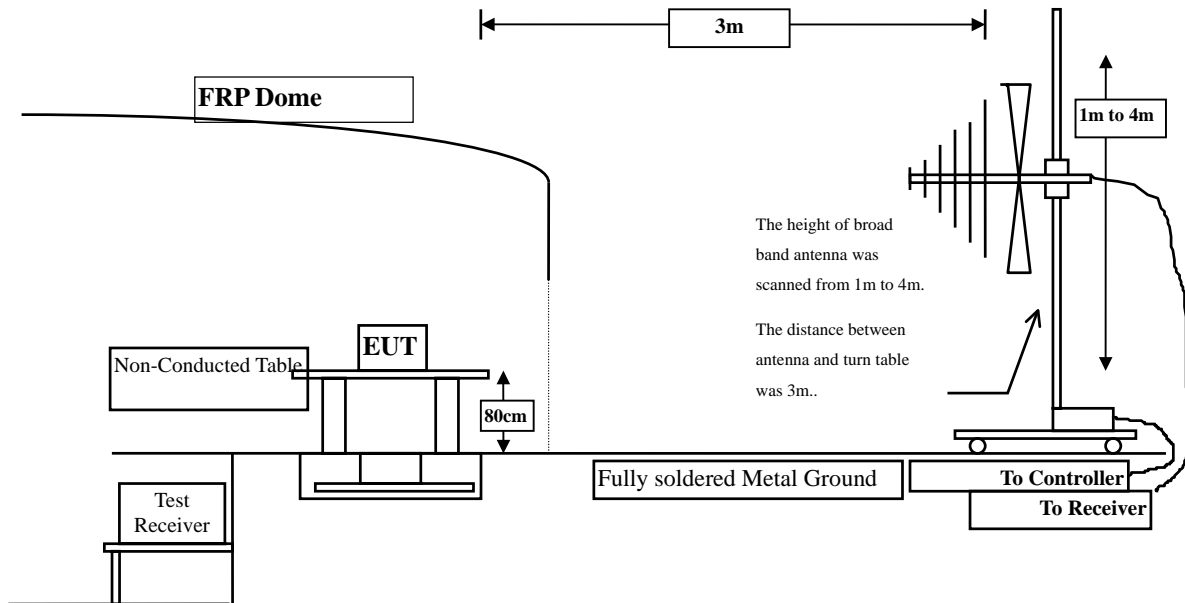
The following test equipment are used during the radiated emission test:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ Site # 3	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2008
	X	Pre-Amplifier	AGILENT	8447D/2944A09549	Sep., 2008
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2008
	X	Spectrum Analyzer	Advantest	R3162/91700283	Oct., 2008
	X	Coaxial Cable	Quietek	QTK-CABLE/ CAB5	Feb., 2009
	X	Controller	Quietek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

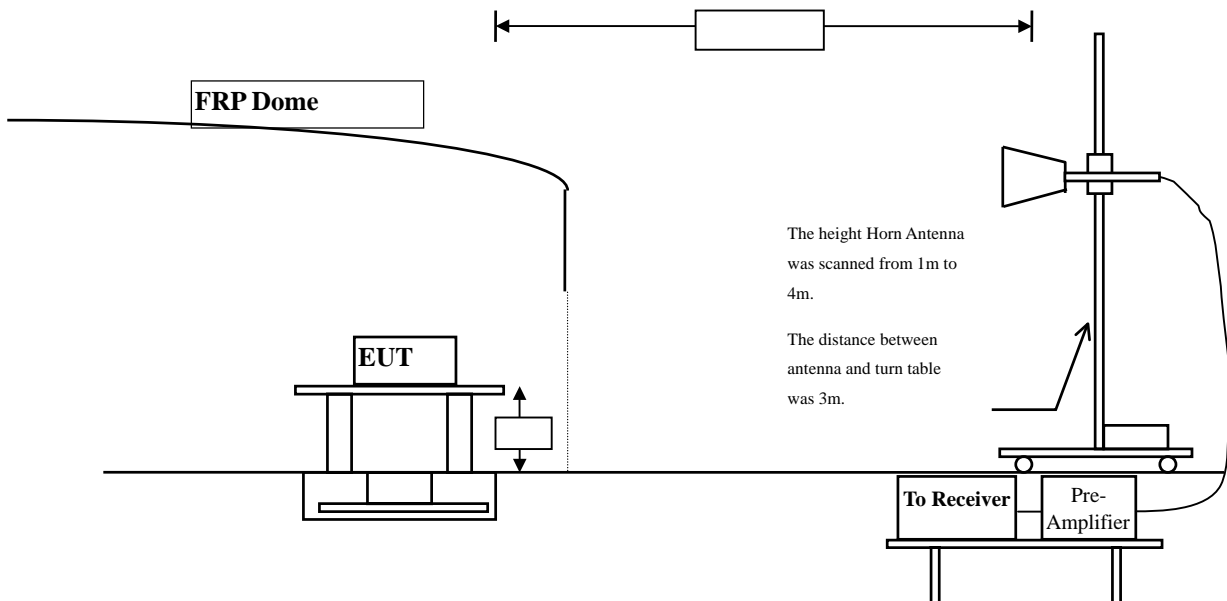
- Note:
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
 2. The test instruments marked with “X” are used to measure the final test results.

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.

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

Remarks: 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

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

4.6. Test Result of Radiated Emission

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.723	38.900	42.623	-31.377	74.000
7236.000	9.439	36.420	45.859	-28.141	74.000
9648.000	11.829	36.050	47.879	-26.121	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	3.723	39.980	43.703	-30.297	74.000
7236.000	9.439	36.160	45.599	-28.401	74.000
9648.000	11.829	35.690	47.519	-26.481	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.893	38.590	42.482	-31.518	74.000
7311.000	9.624	34.710	44.334	-29.666	74.000
9748.000	11.805	36.560	48.366	-25.634	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	3.893	38.790	42.682	-31.318	74.000
7311.000	9.624	35.570	45.194	-28.806	74.000
9748.000	11.805	36.090	47.896	-26.104	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	4.075	39.760	43.835	-30.165	74.000
7386.000	9.812	34.580	44.392	-29.608	74.000
9848.000	11.819	37.930	49.749	-24.251	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	4.075	40.540	44.615	-29.385	74.000
7386.000	9.812	34.900	44.712	-29.288	74.000
9848.000	11.819	37.010	48.829	-25.171	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.723	39.350	43.073	-30.927	74.000
7236.000	9.439	35.920	45.359	-28.641	74.000
9648.000	11.829	36.210	48.039	-25.961	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	3.723	41.050	44.773	-29.227	74.000
7236.000	9.439	35.720	45.159	-28.841	74.000
9648.000	11.829	35.160	46.989	-27.011	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.893	37.550	41.442	-32.558	74.000
7311.000	9.624	34.680	44.304	-29.696	74.000
9748.000	11.805	35.880	47.686	-26.314	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	3.893	37.640	41.532	-32.468	74.000
7311.000	9.624	35.190	44.814	-29.186	74.000
9748.000	11.805	36.620	48.426	-25.574	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	4.075	38.100	42.175	-31.825	74.000
7386.000	9.812	35.210	45.022	-28.978	74.000
9848.000	11.819	36.250	48.069	-25.931	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	4.075	38.290	42.365	-31.635	74.000
7386.000	9.812	34.780	44.592	-29.408	74.000
9848.000	11.819	36.440	48.259	-25.741	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	15.526	43.210	58.736	-15.264	74.000
Average Detector:					
11490.000	15.526	28.490	44.016	-9.984	54.000
Vertical					
Peak Detector:					
11490.000	15.526	40.830	56.356	-17.644	74.000
Average Detector:					
11490.000	15.526	26.070	41.596	-12.404	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11570.000	14.910	42.900	57.810	-16.190	74.000
Average Detector:					
11570.000	14.910	24.060	38.970	-15.030	54.000
Vertical					
Peak Detector:					
11570.000	14.910	41.750	56.660	-17.340	74.000
Average Detector:					
11570.000	14.910	26.890	41.800	-12.200	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5825MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11650.000	14.691	38.050	52.741	-21.259	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11650.000	14.691	38.820	53.511	-20.489	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.723	37.980	41.703	-32.297	74.000
7236.000	9.439	36.530	45.969	-28.031	74.000
9648.000	11.829	35.830	47.659	-26.341	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	3.723	38.300	42.023	-31.977	74.000
7236.000	9.439	35.750	45.189	-28.811	74.000
9648.000	11.829	35.860	47.689	-26.311	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.893	37.780	41.672	-32.328	74.000
7311.000	9.624	34.930	44.554	-29.446	74.000
9748.000	11.805	35.960	47.766	-26.234	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	3.893	37.540	41.432	-32.568	74.000
7311.000	9.624	36.370	45.994	-28.006	74.000
9748.000	11.805	36.300	48.106	-25.894	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2462MHz)

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

Horizontal

Peak Detector:

4924.000	4.075	37.910	41.985	-32.015	74.000
7386.000	9.812	35.050	44.862	-29.138	74.000
9848.000	11.819	36.290	48.109	-25.891	74.000

Average Detector:

--

Vertical

Peak Detector:

4924.000	4.075	37.460	41.535	-32.465	74.000
7386.000	9.812	35.080	44.892	-29.108	74.000
9848.000	11.819	36.850	48.669	-25.331	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	15.526	42.840	58.366	-15.634	74.000
Average Detector:					
11490.000	15.526	26.960	42.486	-11.514	54.000
Vertical					
Peak Detector:					
11490.000	15.526	40.340	55.866	-18.134	74.000
Average Detector:					
11490.000	15.526	26.010	41.536	-12.464	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11570.000	14.910	42.950	57.860	-16.140	74.000
Average Detector:					
11570.000	14.910	28.020	42.930	-11.070	54.000
Vertical					
Peak Detector:					
11570.000	14.910	41.340	56.250	-17.750	74.000
Average Detector:					
11570.000	14.910	26.830	41.740	-12.260	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5825MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11650.000	14.691	39.970	54.661	-19.339	74.000
Average Detector:					
11650.000	14.691	25.300	39.991	-14.009	54.000
Vertical					
Peak Detector:					
11650.000	14.691	38.890	53.581	-20.419	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11510.000	15.370	41.100	56.469	-17.531	74.000
Average Detector:					
11510.000	15.370	25.090	40.459	-13.541	54.000
Vertical					
Peak Detector:					
11510.000	15.370	39.270	54.639	-19.361	74.000
Average Detector:					
11510.000	15.370	24.160	39.529	-14.471	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 MC-C5 / MC-F5
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5795MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11590.000	14.768	40.940	55.708	-18.292	74.000
Average Detector:					
11590.000	14.768	24.580	39.348	-14.652	54.000
Vertical					
Peak Detector:					
11590.000	14.768	38.700	53.468	-20.532	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 MC-C5 / MC-F5
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
227.880	-9.339	38.702	29.363	-16.637	46.000
365.620	-1.817	32.740	30.923	-15.077	46.000
456.800	-0.521	34.541	34.020	-11.980	46.000
553.800	1.997	31.847	33.843	-12.157	46.000
802.120	4.729	24.574	29.303	-16.697	46.000
912.700	5.660	29.201	34.861	-11.139	46.000
Vertical					
239.520	-8.949	46.512	37.564	-8.436	46.000
336.520	-4.879	37.054	32.175	-13.825	46.000
499.480	-1.342	33.431	32.088	-13.912	46.000
528.580	-0.986	37.554	36.568	-9.432	46.000
846.740	2.210	29.168	31.378	-14.622	46.000
945.680	6.083	26.485	32.568	-13.432	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 MC-C5 / MC-F5
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
227.880	-9.339	39.105	29.766	-16.234	46.000
365.620	-1.817	33.105	31.288	-14.712	46.000
431.580	-2.561	33.581	31.020	-14.980	46.000
553.800	1.997	28.745	30.741	-15.259	46.000
652.740	1.666	23.936	25.602	-20.398	46.000
782.720	3.906	24.640	28.547	-17.453	46.000
Vertical					
239.520	-8.949	46.776	37.828	-8.172	46.000
336.520	-4.879	37.517	32.638	-13.362	46.000
528.580	-0.986	36.846	35.860	-10.140	46.000
749.740	1.998	26.268	28.266	-17.734	46.000
879.720	1.916	26.463	28.379	-17.621	46.000
945.680	6.083	25.217	31.300	-14.700	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 MC-C5 / MC-F5
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
365.620	-1.817	33.901	32.084	-13.916	46.000
431.580	-2.561	34.462	31.901	-14.099	46.000
553.800	1.997	27.975	29.971	-16.029	46.000
802.120	4.729	23.232	27.961	-18.039	46.000
912.700	5.660	25.114	30.774	-15.226	46.000
961.200	5.914	23.664	29.578	-24.422	54.000
Vertical					
239.520	-8.949	45.677	36.729	-9.271	46.000
336.520	-4.879	36.815	31.936	-14.064	46.000
528.580	-0.986	37.354	36.368	-9.632	46.000
683.780	1.529	26.613	28.143	-17.857	46.000
749.740	1.998	25.841	27.839	-18.161	46.000
945.680	6.083	24.831	30.914	-15.086	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 MC-C5 / MC-F5
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
365.620	-1.817	33.435	31.618	-14.382	46.000
456.800	-0.521	31.435	30.914	-15.086	46.000
553.800	1.997	28.239	30.235	-15.765	46.000
652.740	1.666	25.583	27.249	-18.751	46.000
802.120	4.729	24.082	28.811	-17.189	46.000
912.700	5.660	25.352	31.012	-14.988	46.000
Vertical					
239.520	-8.949	45.603	36.655	-9.345	46.000
336.520	-4.879	37.209	32.330	-13.670	46.000
528.580	-0.986	37.718	36.732	-9.268	46.000
683.780	1.529	26.575	28.105	-17.895	46.000
802.120	2.799	28.512	31.311	-14.689	46.000
945.680	6.083	25.107	31.190	-14.810	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 MC-C5 / MC-F5
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B (5785MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
227.880	-9.339	37.733	28.394	-17.606	46.000
324.880	-4.771	34.097	29.326	-16.674	46.000
431.580	-2.561	33.595	31.034	-14.966	46.000
520.820	1.249	33.621	34.870	-11.130	46.000
650.800	1.672	27.626	29.298	-16.702	46.000
912.700	5.660	27.737	33.397	-12.603	46.000
Vertical					
239.520	-8.949	46.532	37.584	-8.416	46.000
336.520	-4.879	36.816	31.937	-14.063	46.000
431.580	-9.971	38.136	28.165	-17.835	46.000
528.580	-0.986	36.806	35.820	-10.180	46.000
749.740	1.998	27.377	29.375	-16.625	46.000
945.680	6.083	26.261	32.344	-13.656	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 MC-C5 / MC-F5
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11n-5G Band 40BW 27Mbps)-Ant A+B (5755 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
227.880	-9.339	38.685	29.346	-16.654	46.000
365.620	-1.817	32.643	30.826	-15.174	46.000
431.580	-2.561	33.562	31.001	-14.999	46.000
553.800	1.997	28.315	30.311	-15.689	46.000
848.680	5.384	23.788	29.172	-16.828	46.000
912.700	5.660	23.751	29.411	-16.589	46.000
Vertical					
239.520	-8.949	46.143	37.195	-8.805	46.000
336.520	-4.879	36.864	31.985	-14.015	46.000
528.580	-0.986	36.990	36.004	-9.996	46.000
683.780	1.529	26.630	28.160	-17.840	46.000
815.700	2.925	25.907	28.832	-17.168	46.000
967.020	7.541	23.860	31.401	-22.599	54.000

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

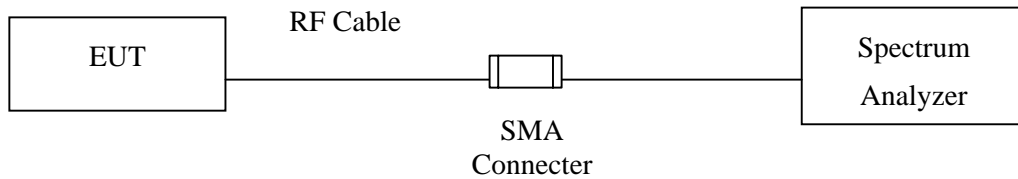
The following test equipments are used during the radiated emission tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2008
X	Spectrum Analyzer	R & S	FSP40 / 100339	Apr, 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

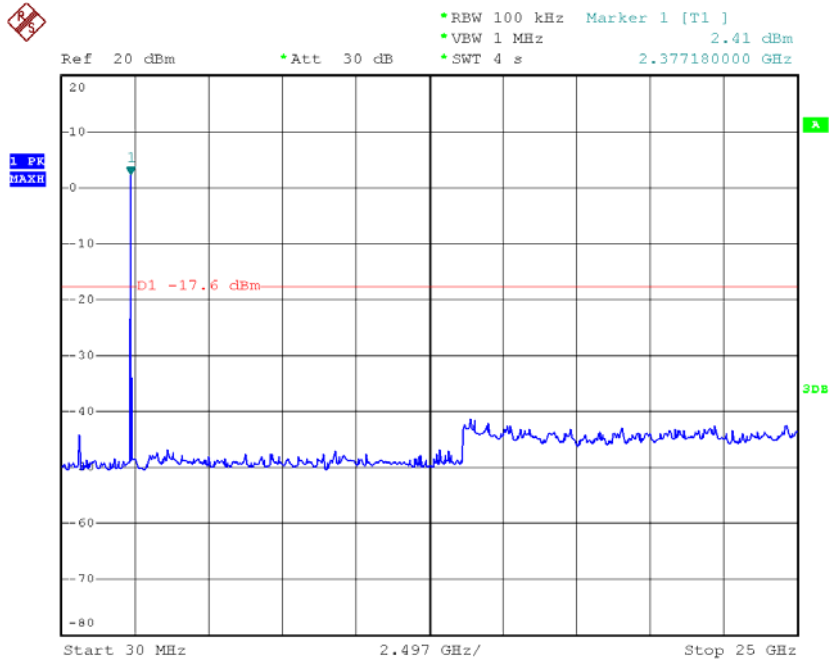
The measurement uncertainty

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

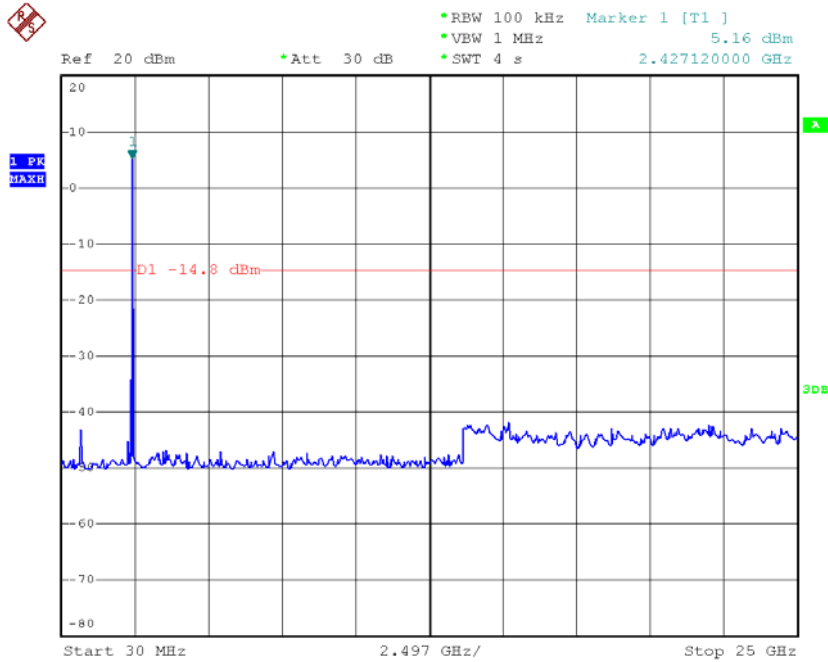
5.6. Test Result of RF antenna conducted test

Product : Tablet PC MC-C5 / MC-F5
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11b 1Mbps)

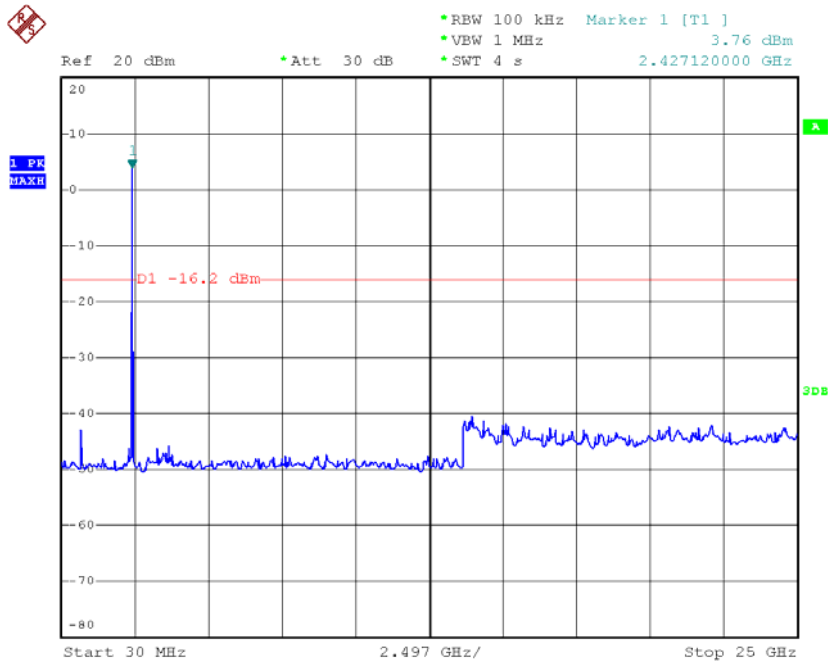
Channel 01 (2412MHz) 30 MHz -25GHz



Channel 06 (2437MHz) 30 MHz -25GHz

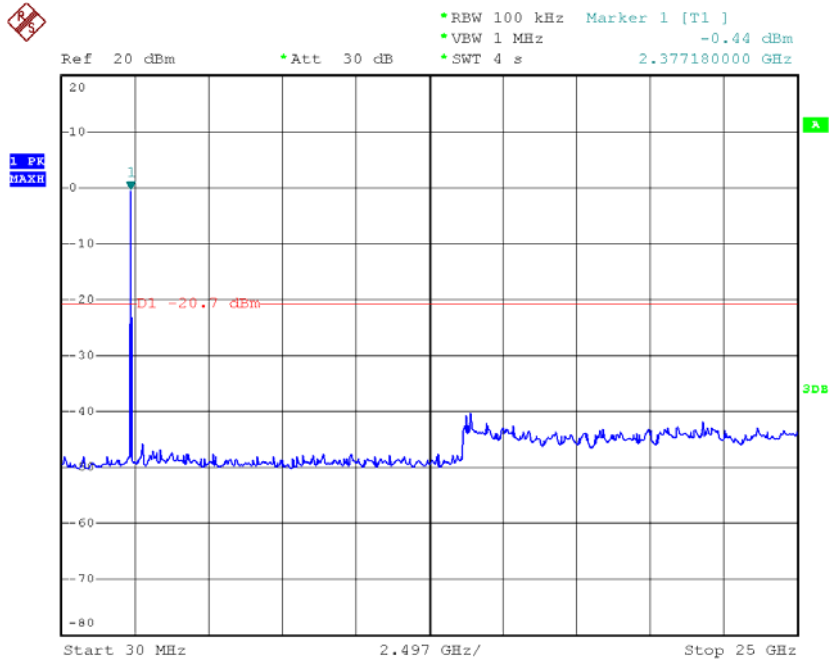


Channel 11 (2462MHz) 30 MHz -25GHz

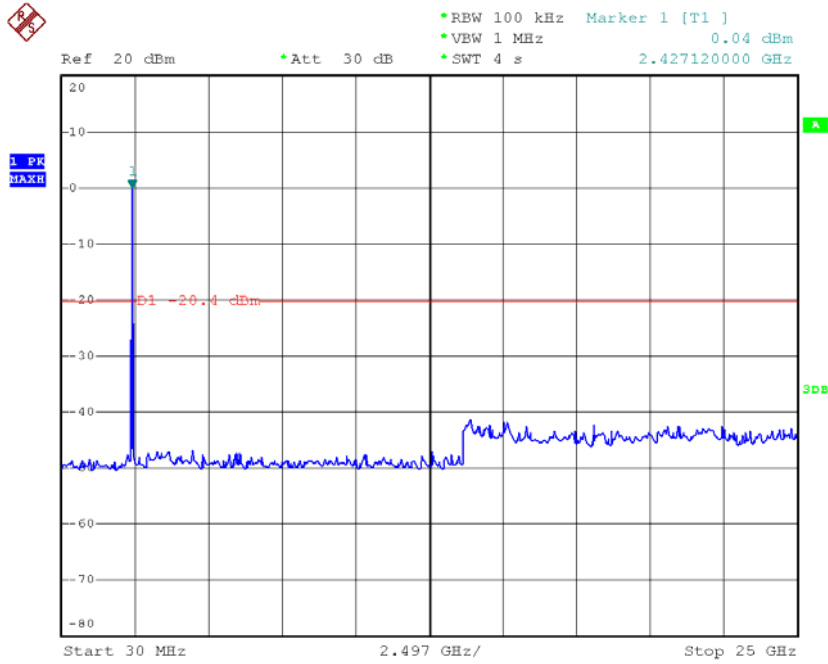


Product : Tablet PC MC-C5 / MC-F5
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11g 6Mbps)

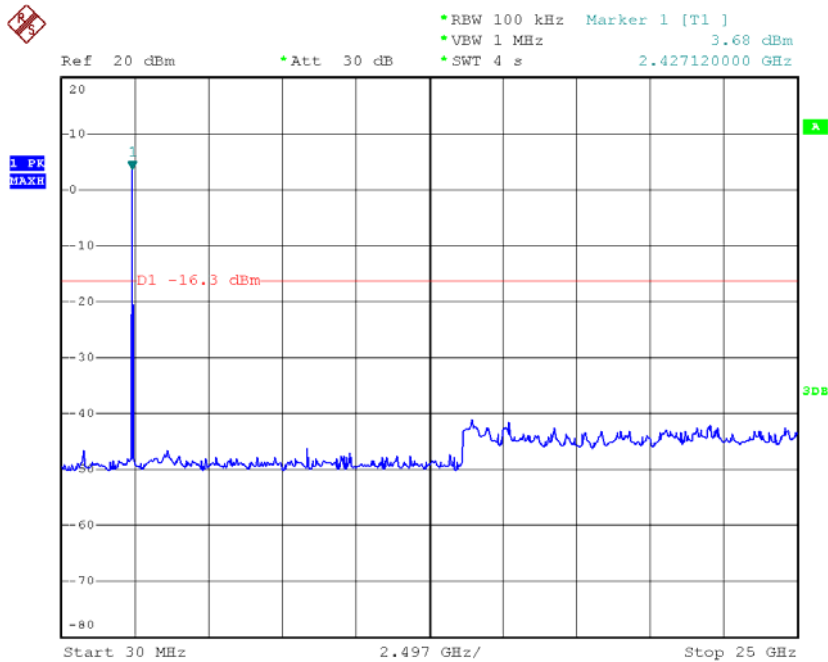
Channel 01 (2412MHz) 30 MHz -25GHz



Channel 06 (2437MHz) 30 MHz -25GHz

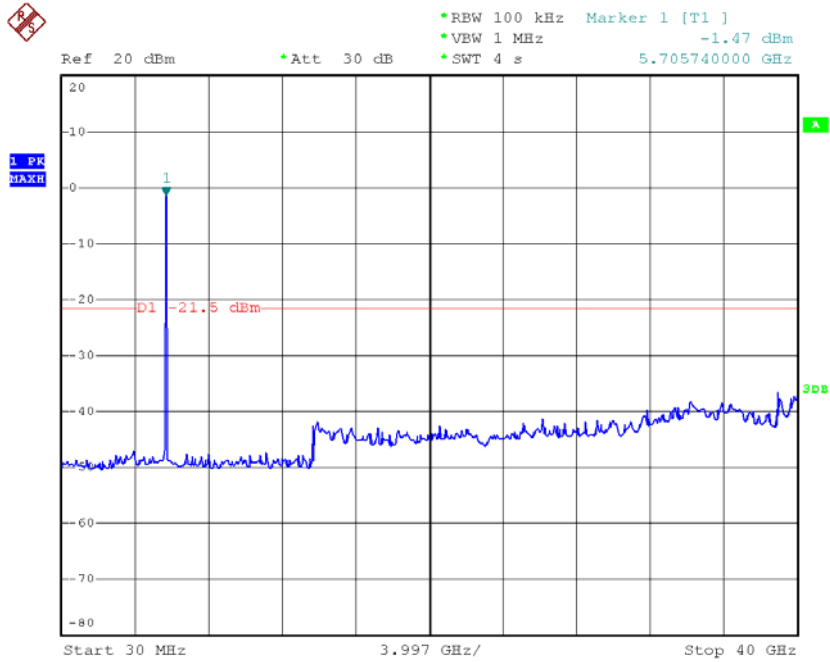


Channel 11 (2462MHz) 30 MHz -25GHz

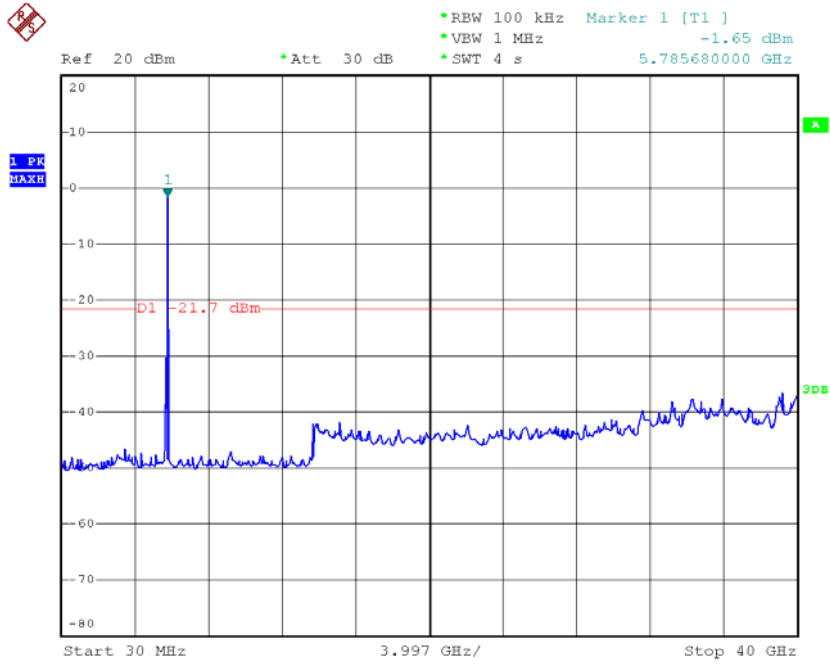


Product : Tablet PC MC-C5 / MC-F5
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11a 6Mbps)

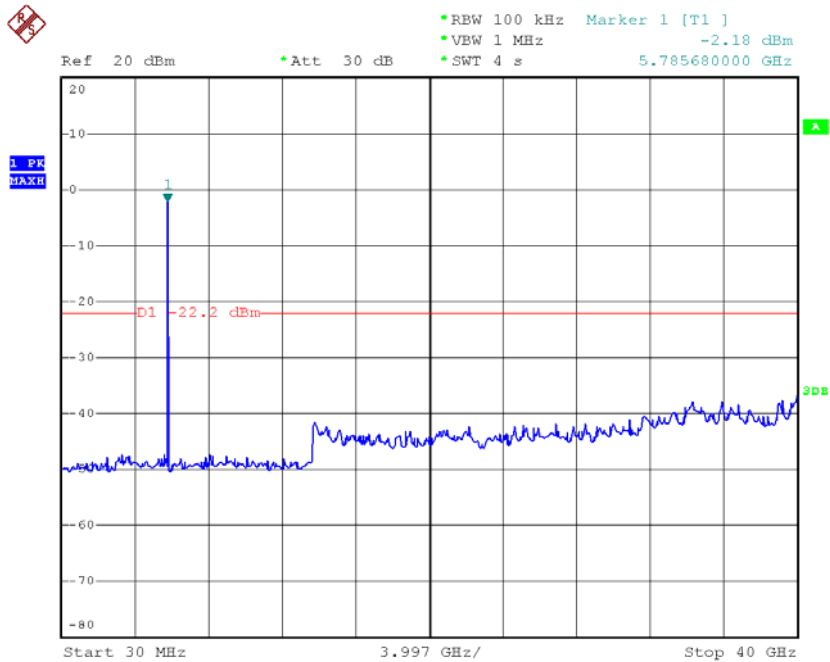
Channel 01 (5745MHz) 30 MHz -40GHz



Channel 03 (5785MHz) 30 MHz -40GHz

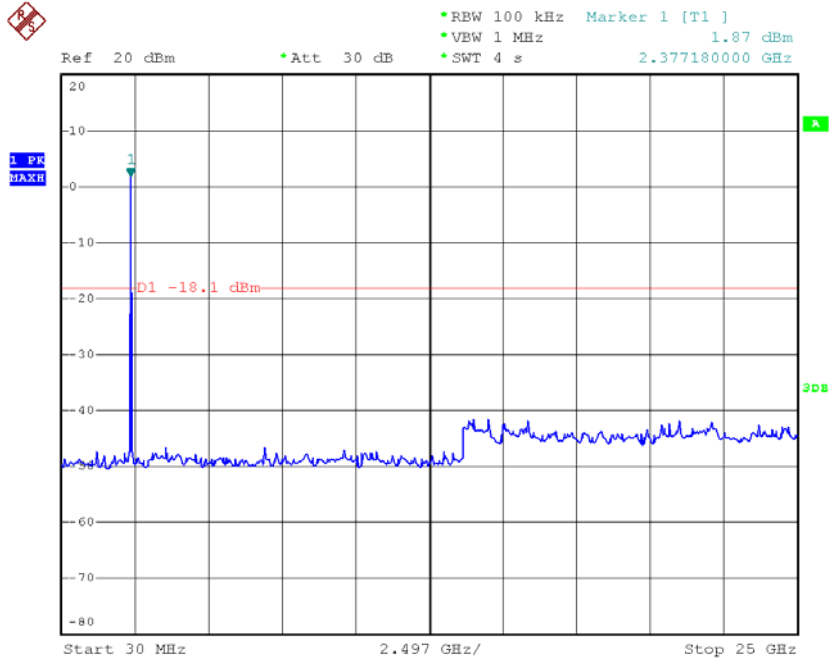


Channel 05 (5825MHz) 30 MHz -40GHz

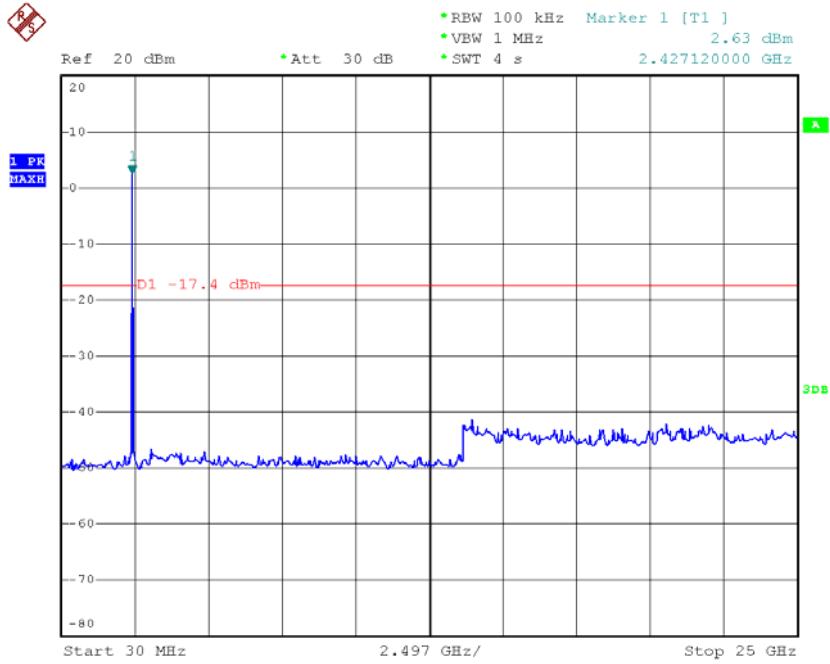


Product : Tablet PC MC-C5 / MC-F5
Test Item : RF Antenna Conducted Spurious
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11n-2.4G Band 20BW 13.5Mbps)-Ant A+B

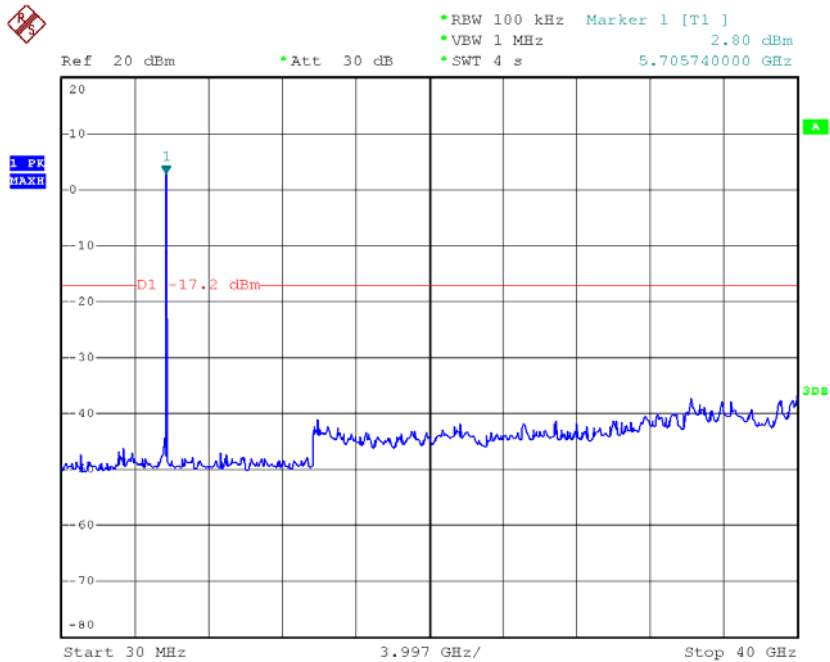
Ant A -Channel 01 (2412MHz) 30 MHz -25GHz



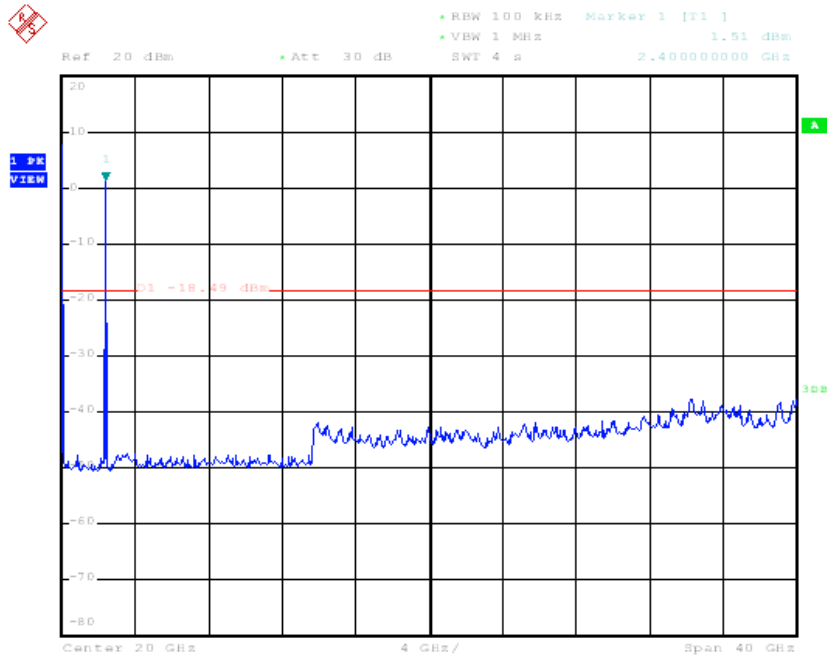
Ant A -Channel 06 (2437MHz) 30 MHz -25GHz



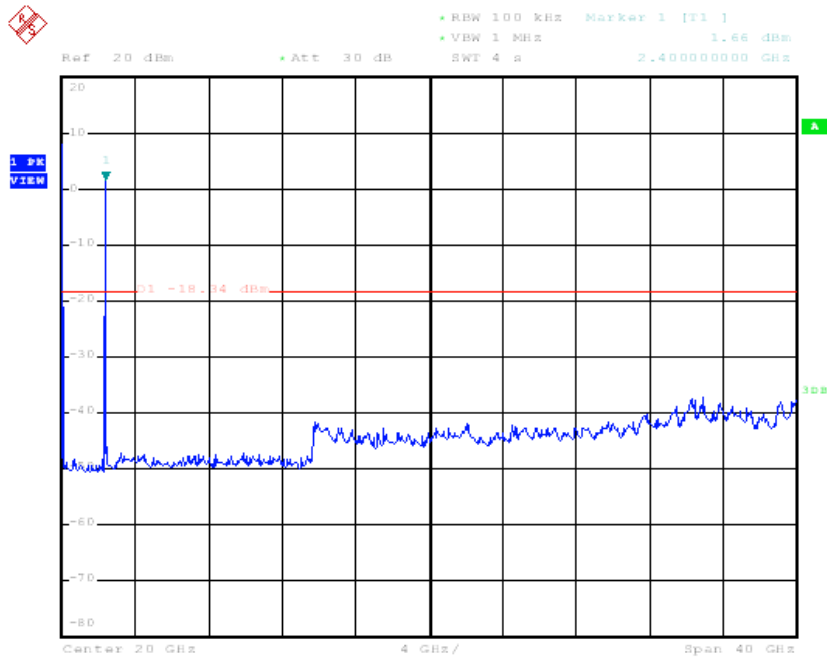
Ant A -Channel 11 (2462MHz) 30 MHz -25GHz



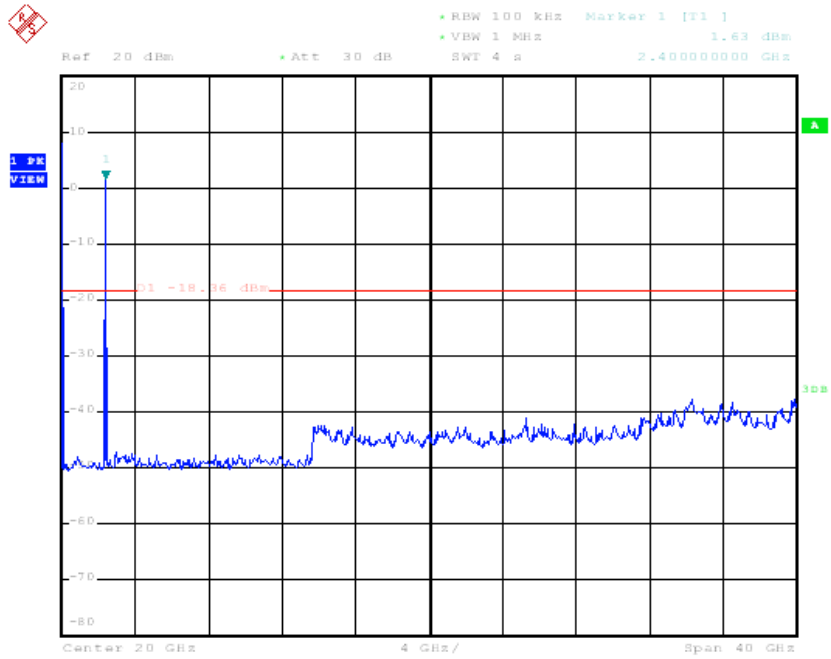
Ant B -Channel 01 (2412MHz) 30 MHz -25GHz



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

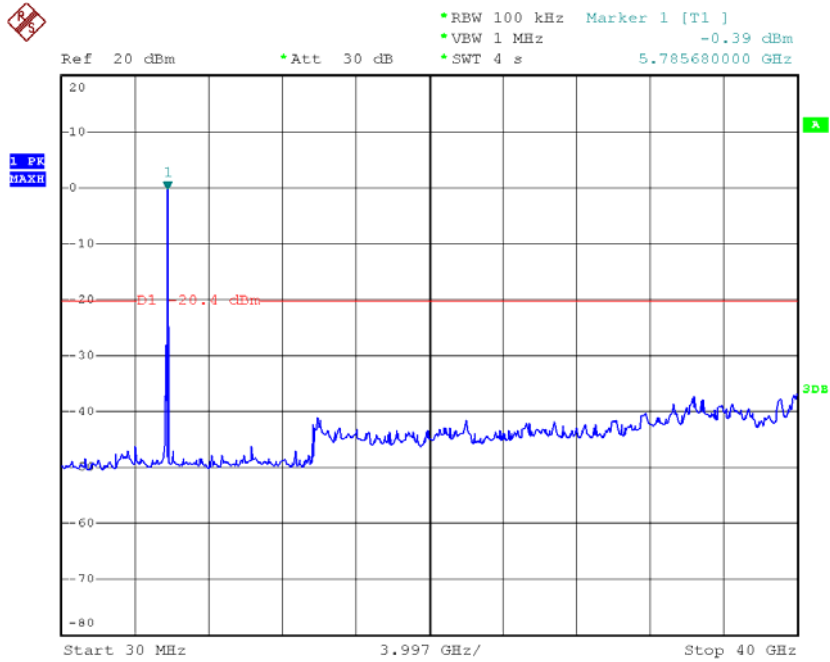


Ant B -Channel 11 (2462MHz) 30 MHz -25GHz

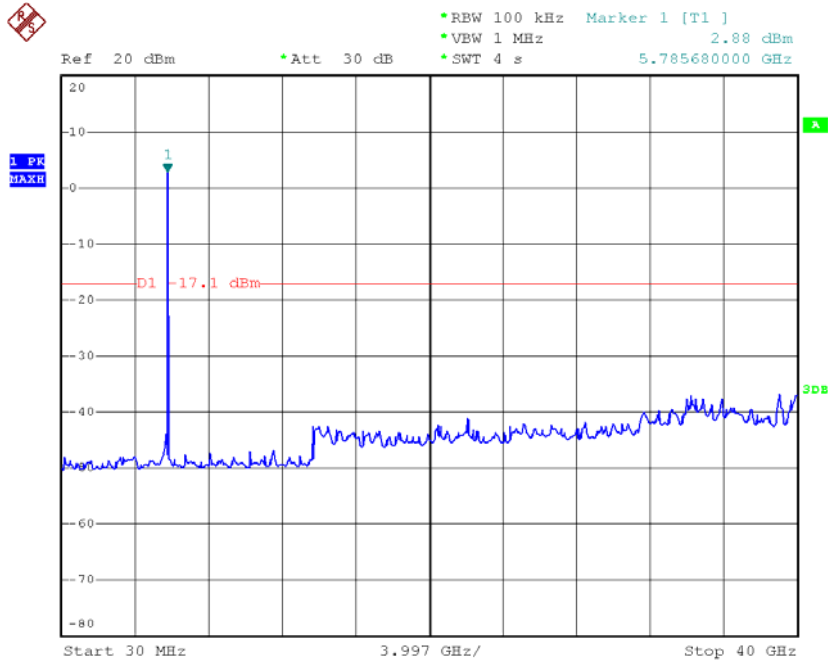


Product : Tablet PC MC-C5 / MC-F5
Test Item : RF antenna conducted test
Test Site : No.3 OATS
Test Mode : Mode 5: Transmit (802.11n-5G Band 20BW 13.5Mbps)-Ant A+B

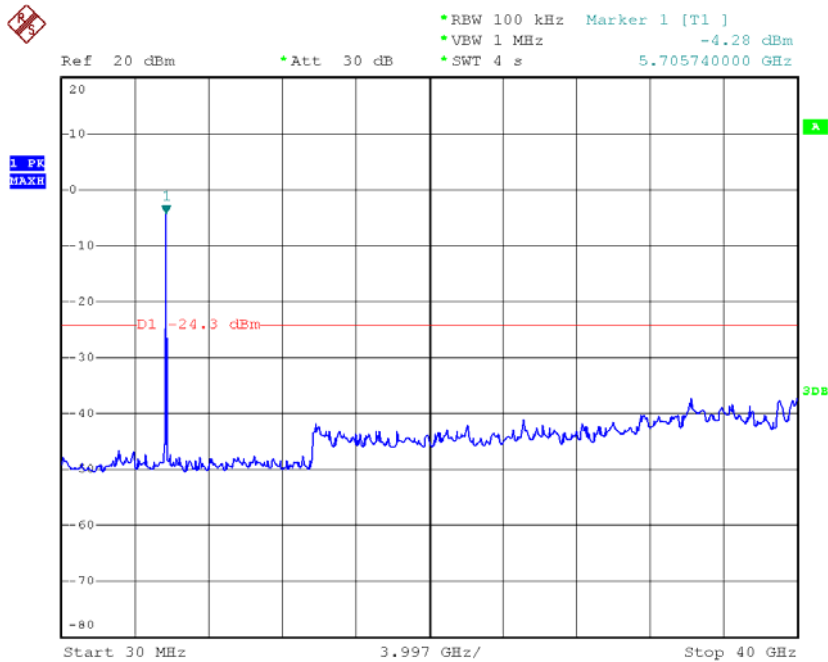
Ant A Channel 01 (5745MHz) 30 MHz -40GHz



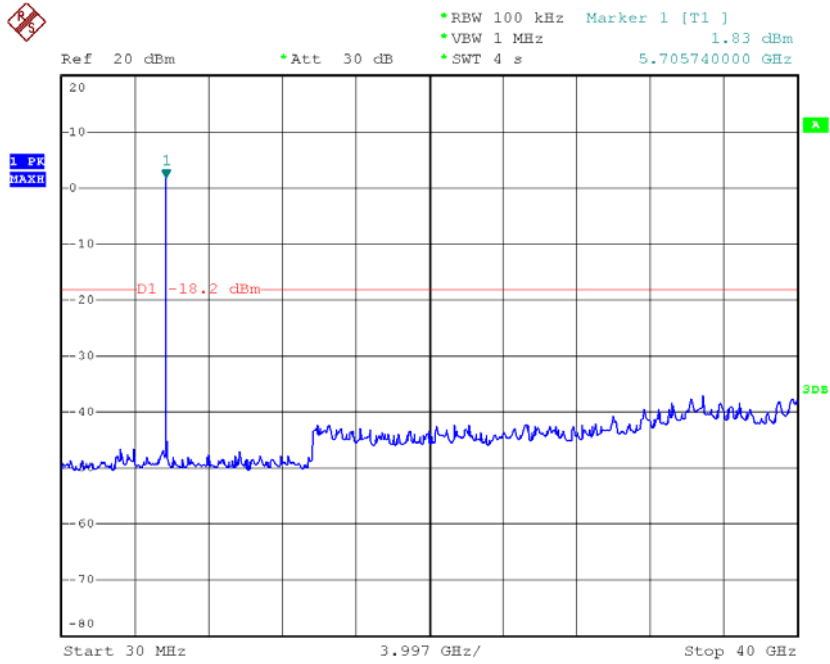
Ant A -Channel 03 (5785MHz) 30 MHz -40GHz



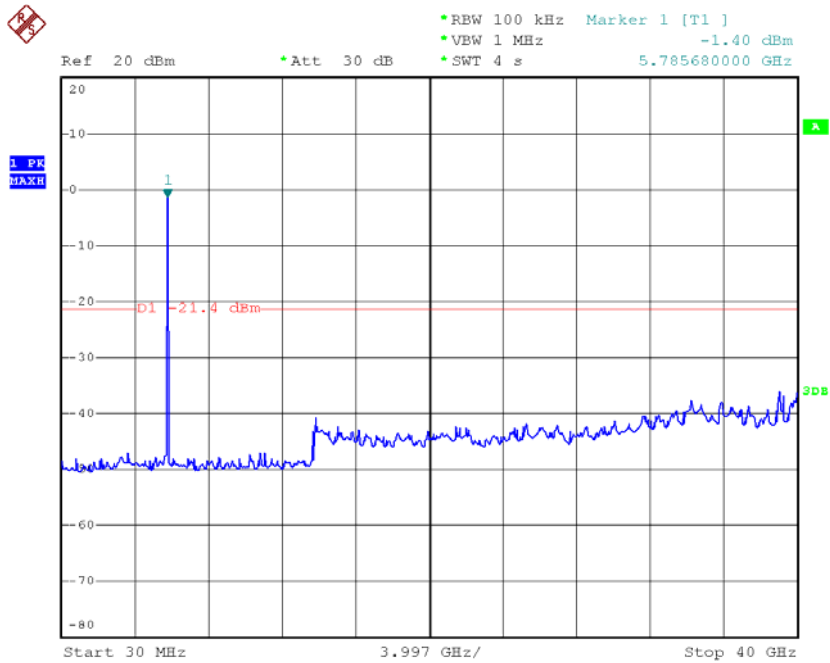
Ant A -Channel 05 (5825MHz) 30 MHz -40GHz



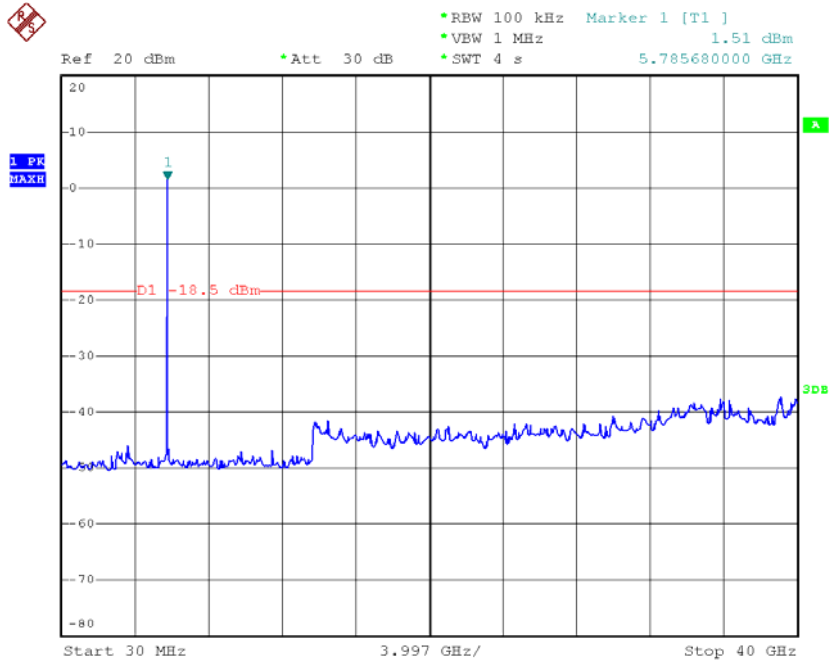
Ant B Channel 01 (5745MHz) 30 MHz -40GHz



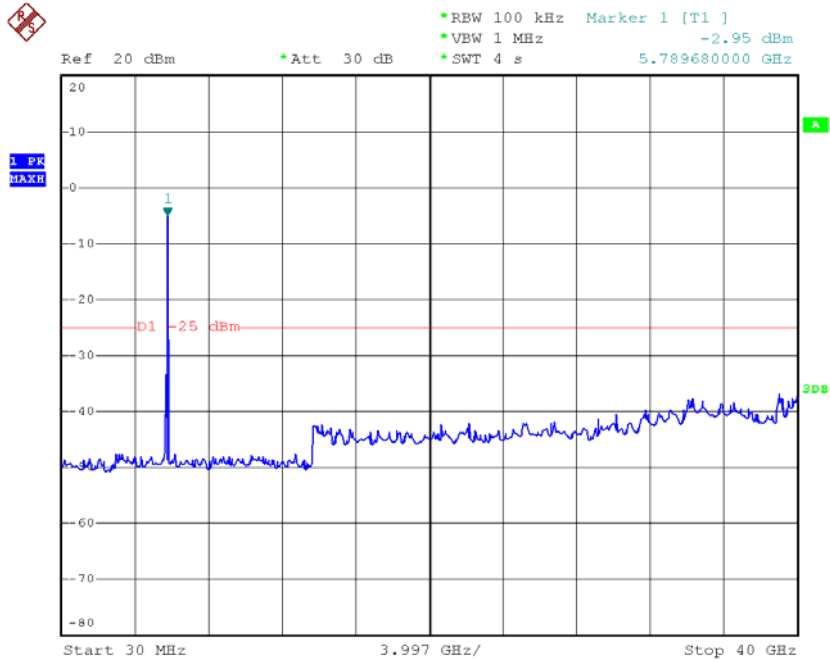
Ant B -Channel 03 (5785MHz) 30 MHz -40GHz



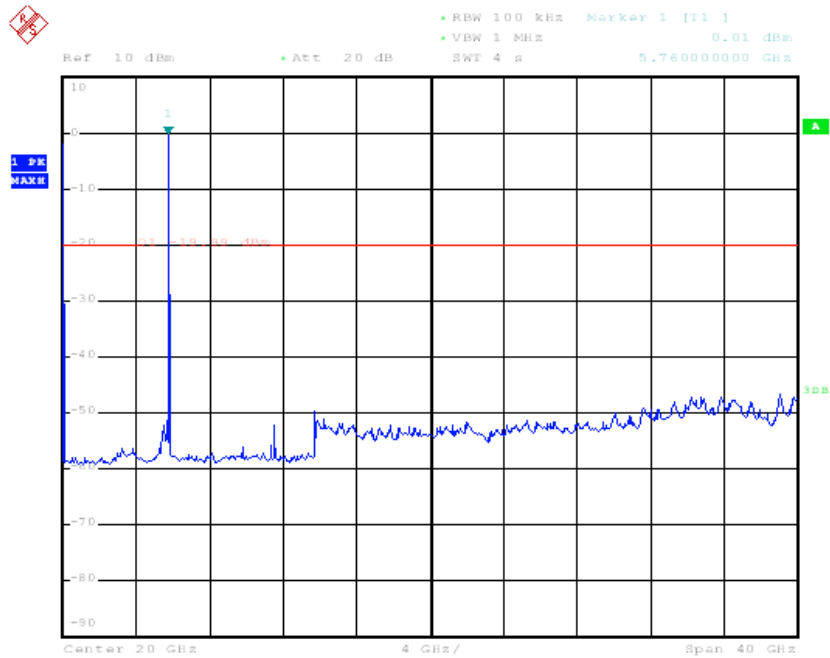
Ant B -Channel 05 (5825MHz) 30 MHz -40GHz



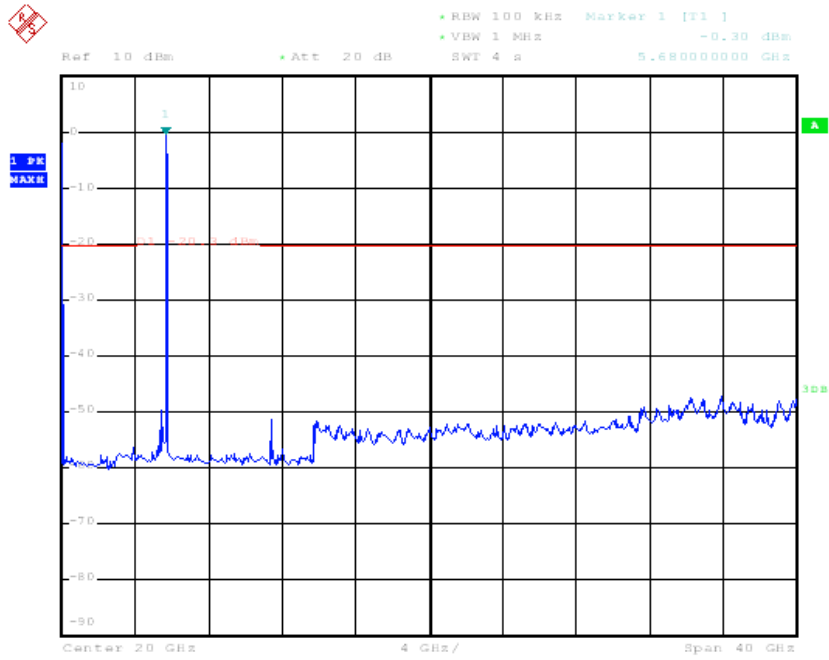
Ant A-Channel 02 (5795MHz) 30 MHz -40GHz



Ant B-Channel 02 (5755MHz) 30 MHz -40GHz



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



6. Band Edge

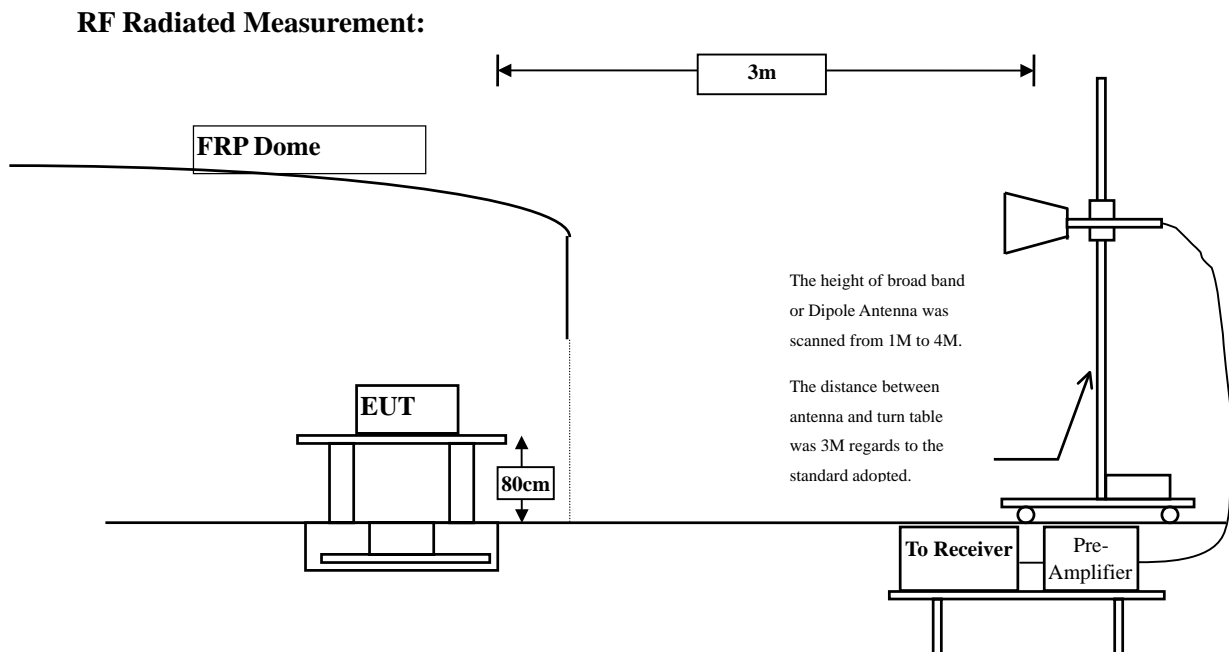
6.1. Test Equipment

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., 2008
	X	Pre-Amplifier	AGILENT	8447D/2944A09549	Sep., 2008
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2008
	X	Spectrum Analyzer	Advantest	R3162/91700283	Oct., 2008
	X	Coaxial Cable	Quietek	QTK-CABLE/ CAB5	Feb., 2009
	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



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

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

6.6. Test Result of Band Edge

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (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)	2386.100	-2.419	62.219	59.800	74.00	54.00	Pass
01 (Average)	2386.100	-2.419	50.599	48.180	74.00	54.00	Pass

Figure Channel 01: Horizontal (Peak)

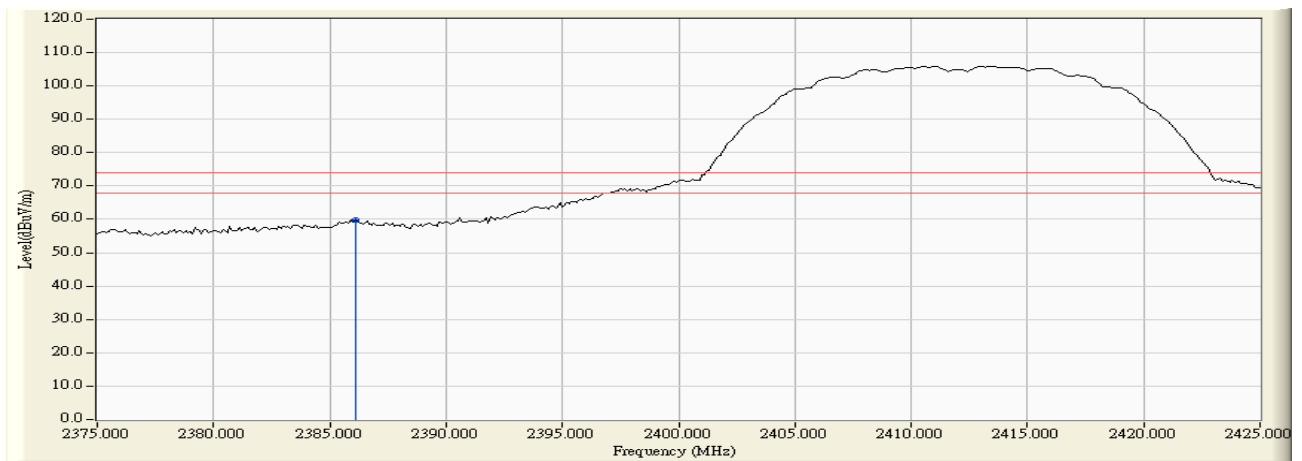
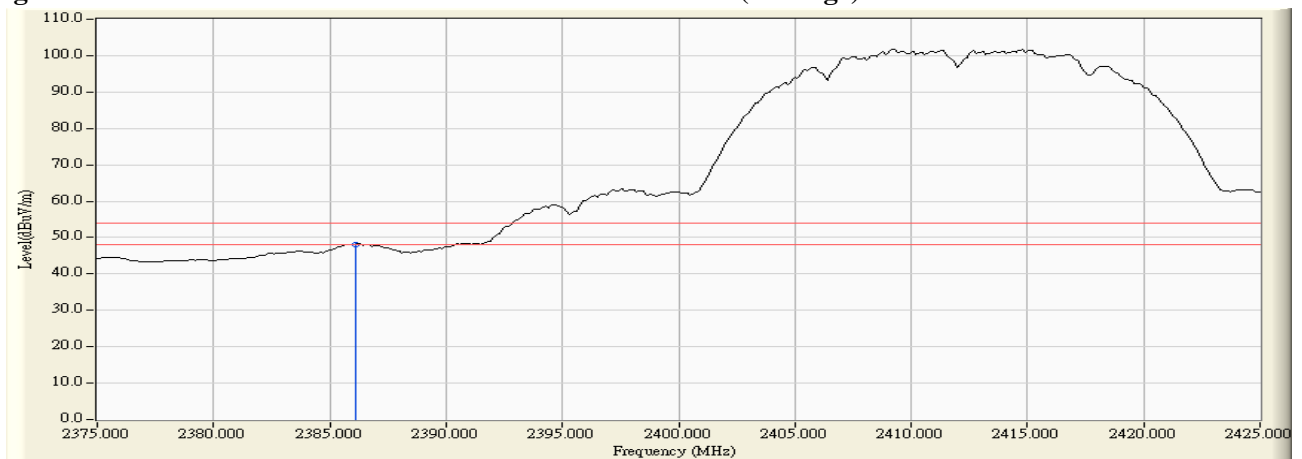


Figure Channel 01: Horizontal (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (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)	2386.000	-2.419	57.191	54.772	74.00	54.00	Pass
01 (Average)	2386.000	-2.419	44.140	41.721	74.00	54.00	Pass

Figure Channel 01: Vertical (Peak)

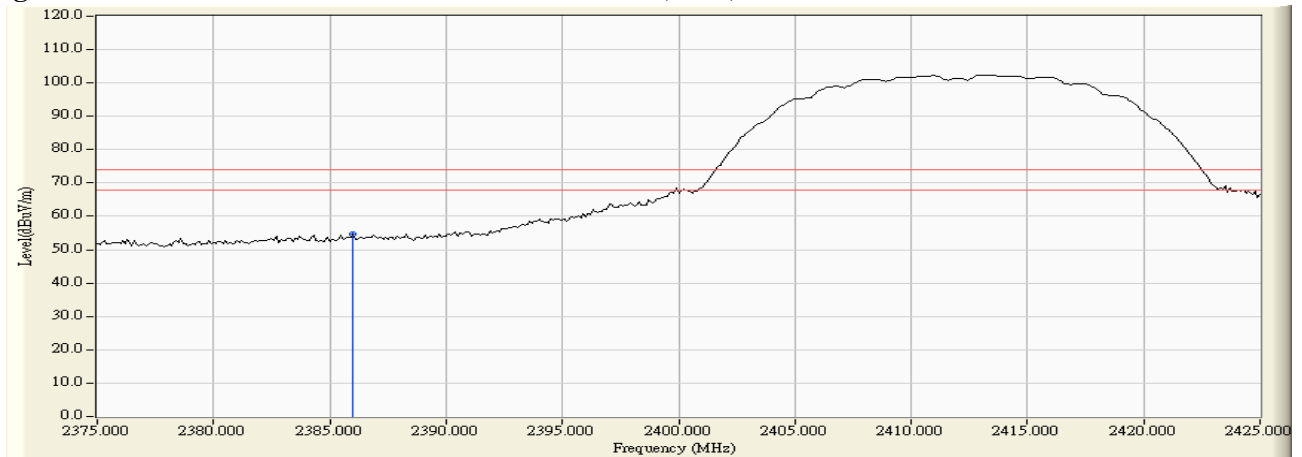
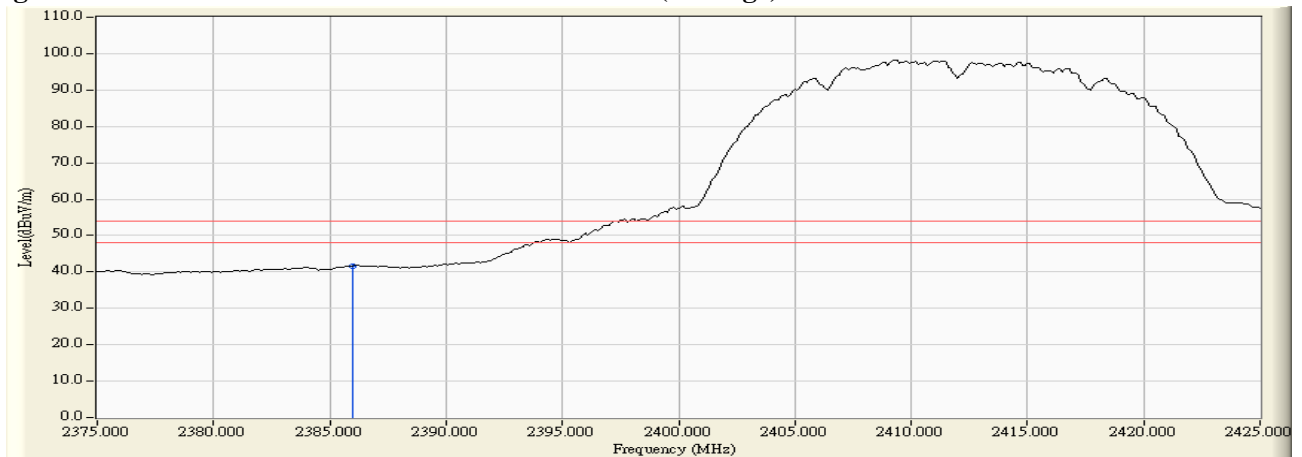


Figure Channel 01: Vertical (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (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)	2487.400	-1.977	60.958	58.982	74.00	54.00	Pass
11(Average)	2487.400	-1.977	48.341	46.365	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

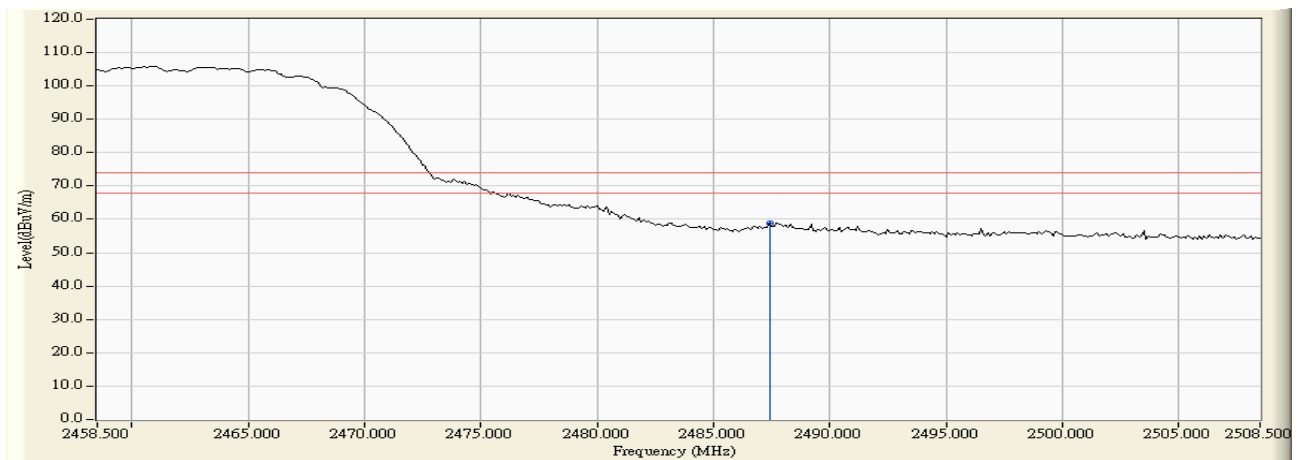
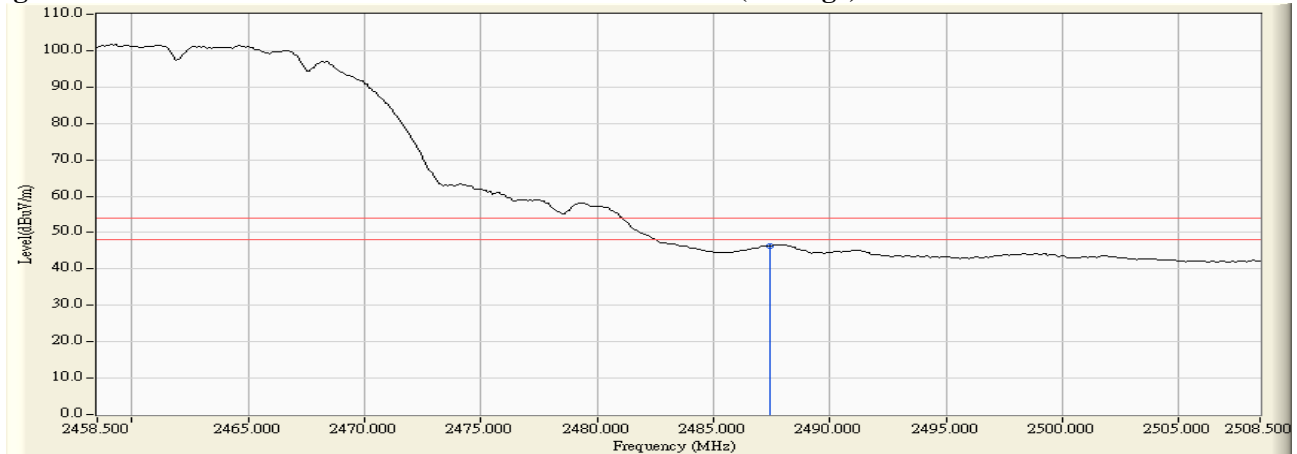


Figure Channel 11: Horizontal (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (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	-1.987	57.002	55.015	74.00	54.00	Pass
11(Average)	2483.500	-1.987	44.077	42.090	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

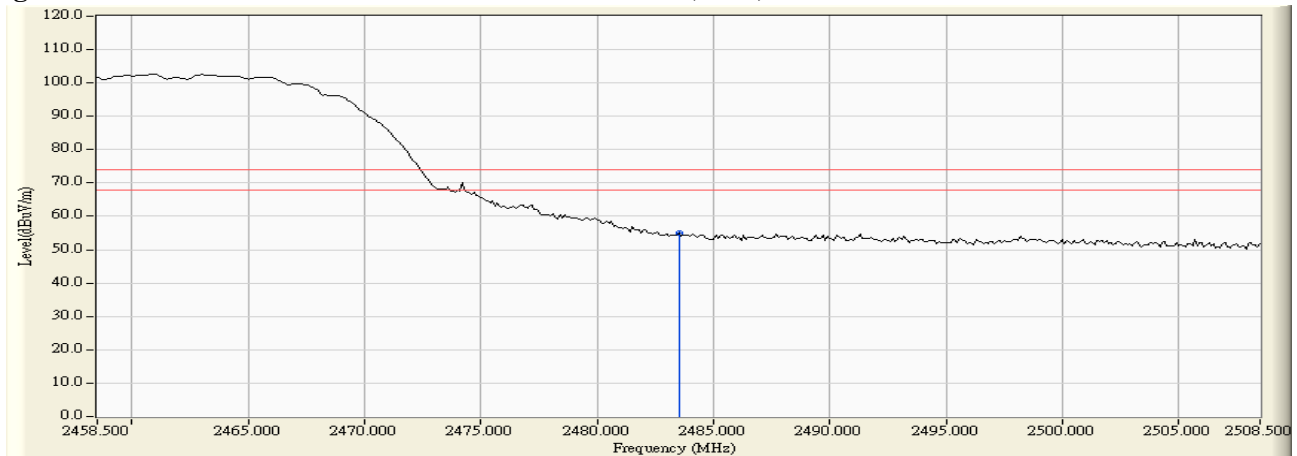
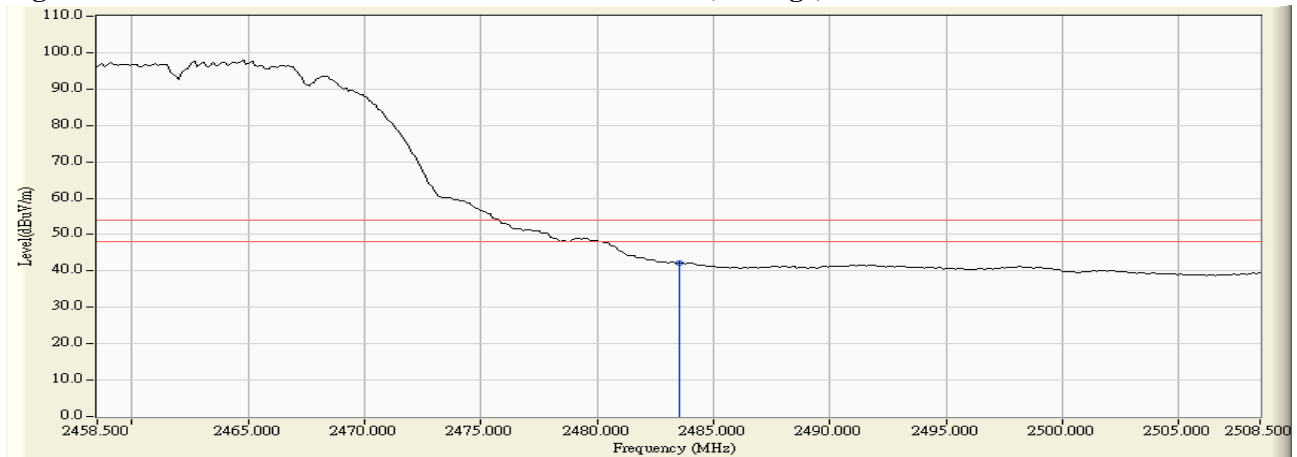


Figure Channel 11: Vertical (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (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)	2389.600	-2.406	69.902	67.496	74.00	54.00	Pass
01 (Average)	2389.600	-2.406	46.998	44.592	74.00	54.00	Pass

Figure Channel 01: Horizontal (Peak)

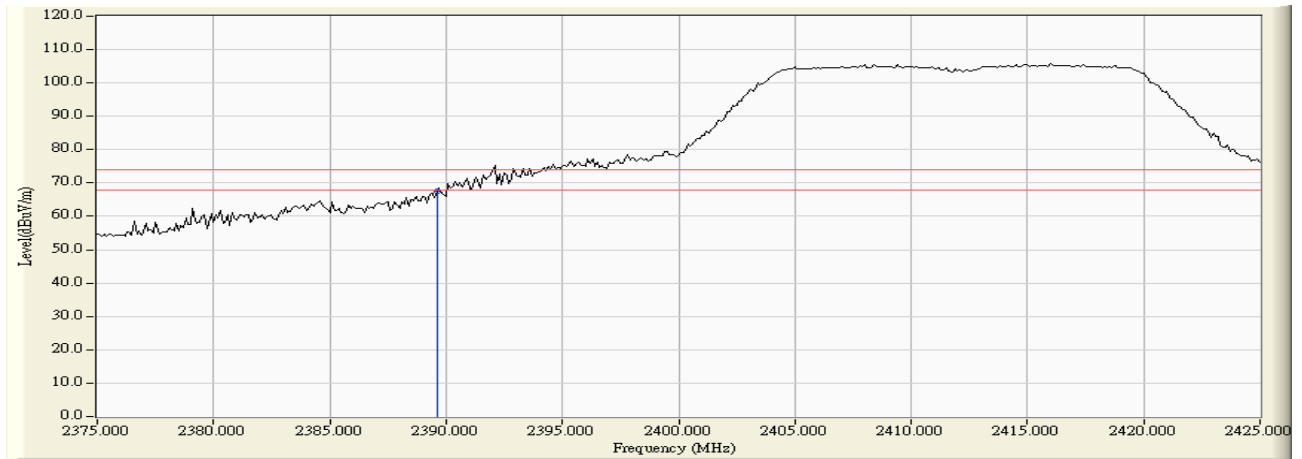
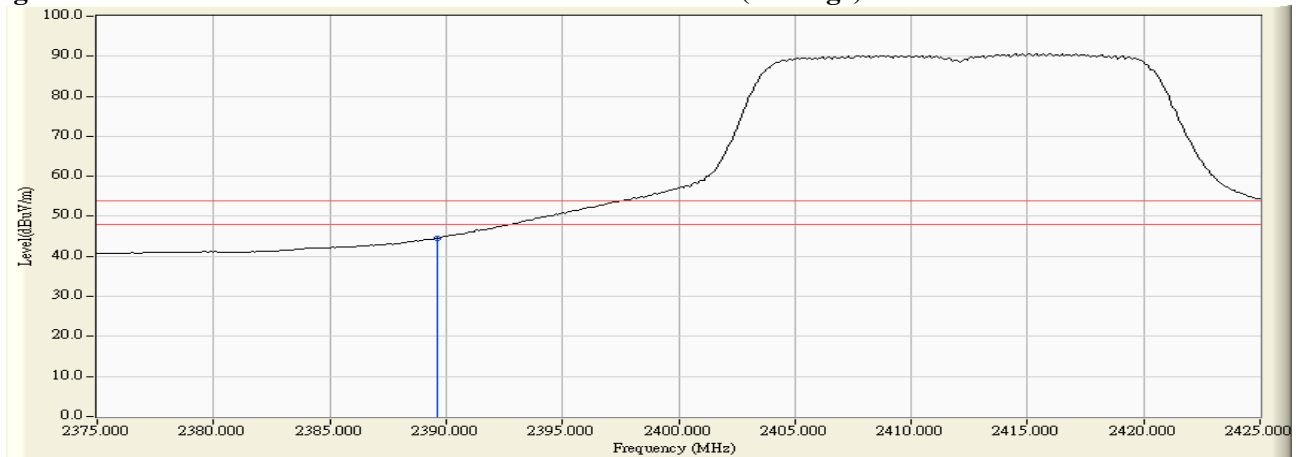


Figure Channel 01: Horizontal (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (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)	2389.900	-2.405	66.576	64.171	74.00	54.00	Pass
01 (Average)	2389.900	-2.405	43.406	41.001	74.00	54.00	Pass

Figure Channel 01: Vertical (Peak)

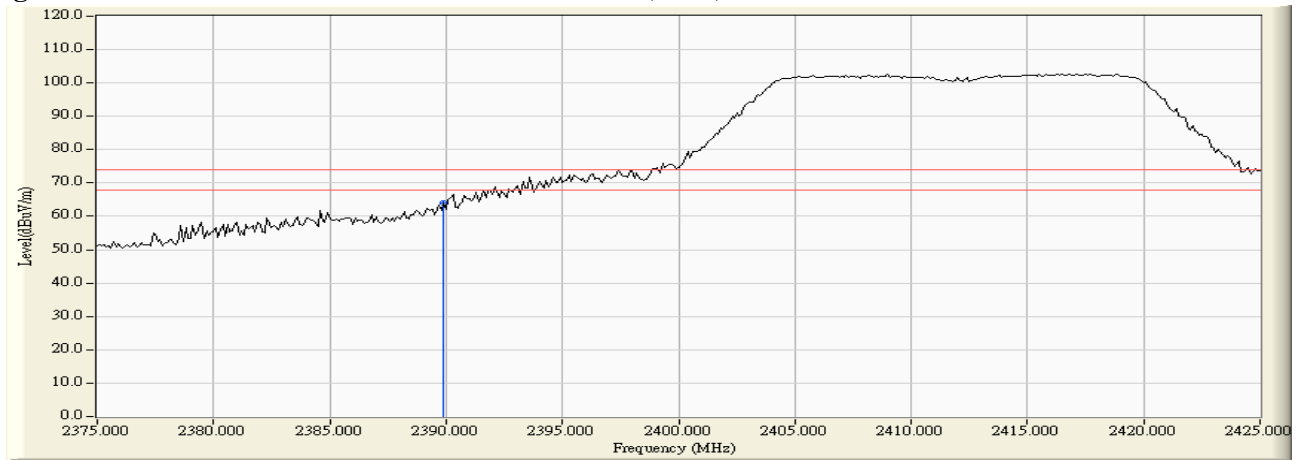
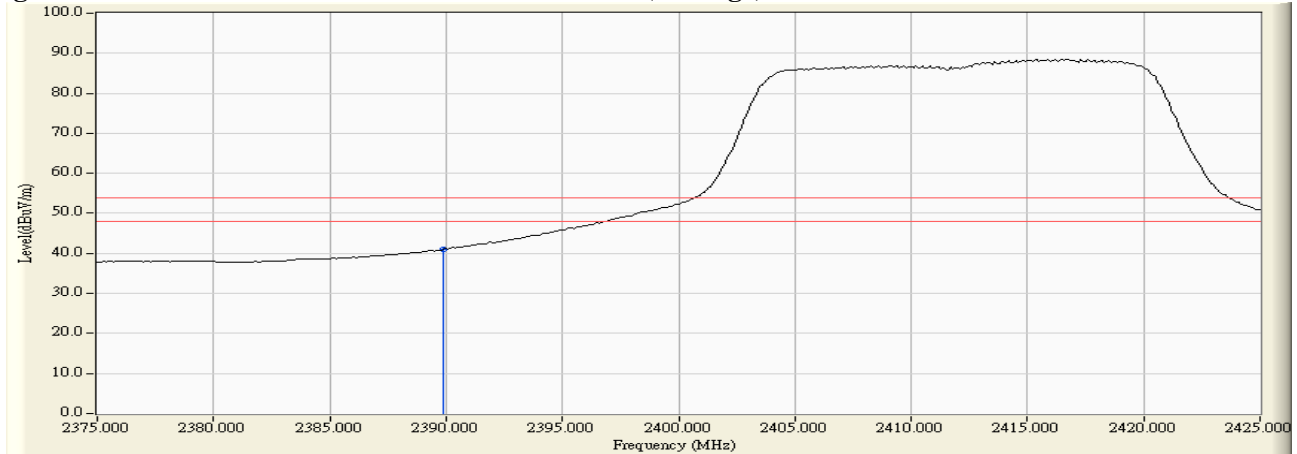


Figure Channel 01: Vertical (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (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)	2483.600	-1.986	71.910	69.924	74.00	54.00	Pass
11 (Average)	2483.600	-1.986	47.083	45.097	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

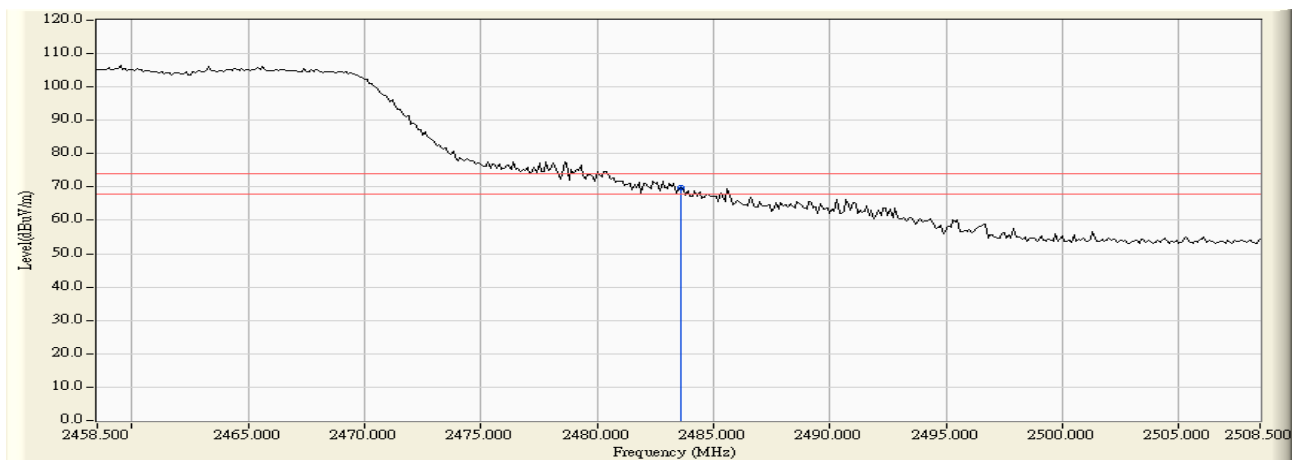
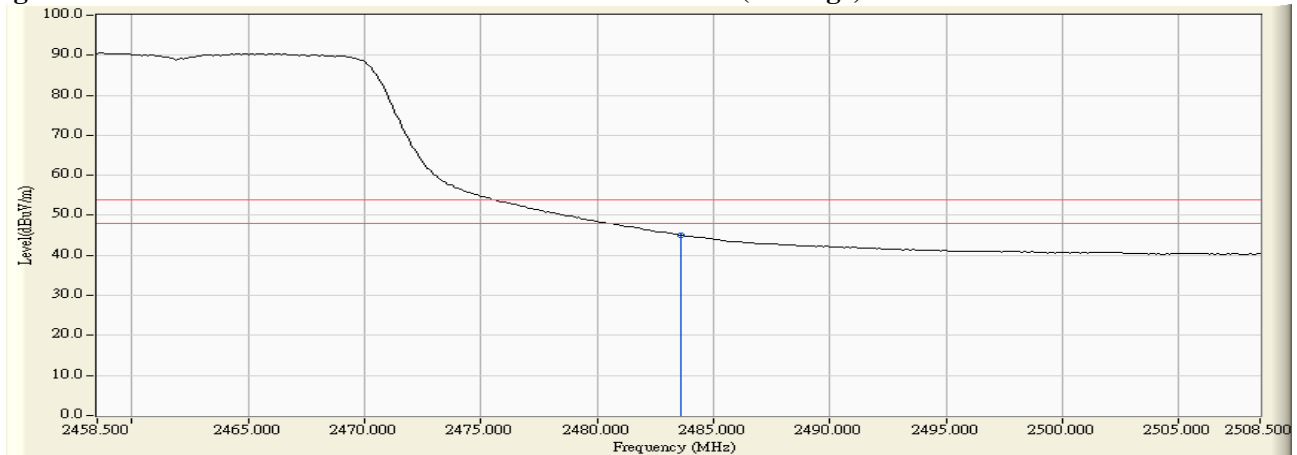


Figure Channel 11: Horizontal (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (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)	2484.100	-1.985	70.377	68.392	74.00	54.00	Pass
11 (Average)	2484.100	-1.985	44.712	42.727	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

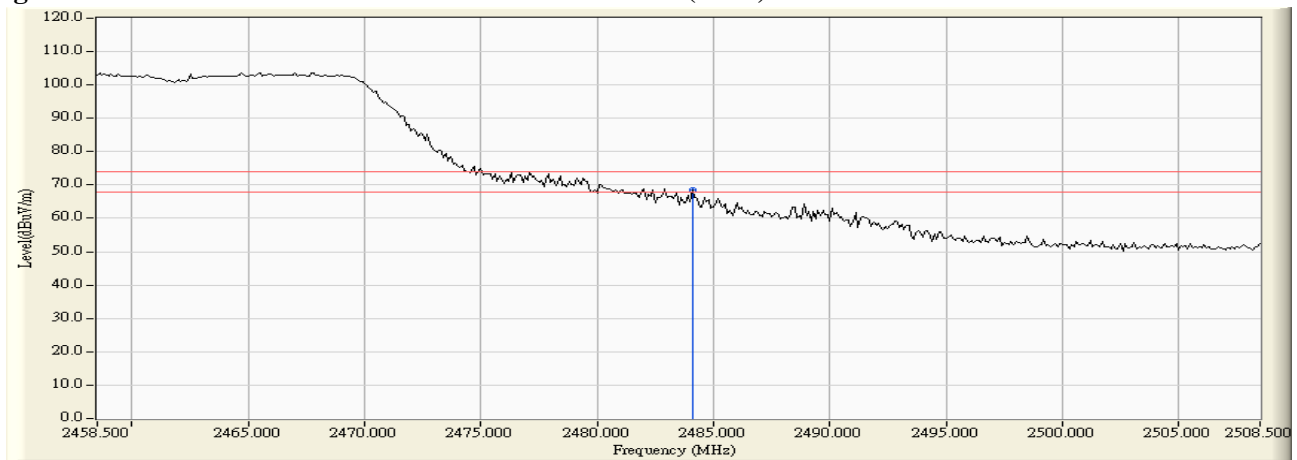
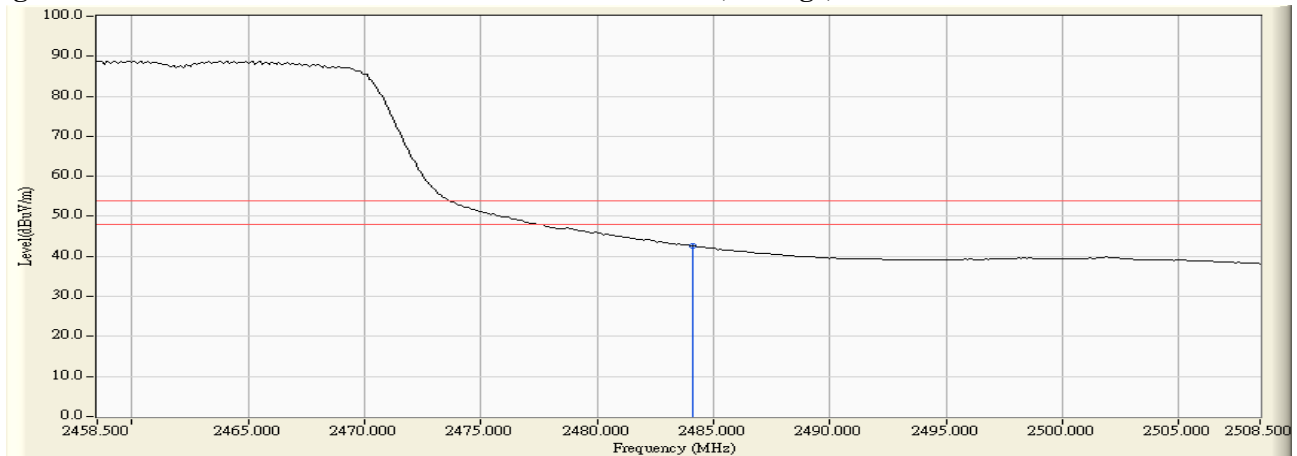


Figure Channel 11: Vertical (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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)	2389.500	-2.406	69.197	66.791	74.00	54.00	Pass
01 (Average)	2389.500	-2.406	47.278	44.872	74.00	54.00	Pass

Figure Channel 01: Horizontal (Peak)

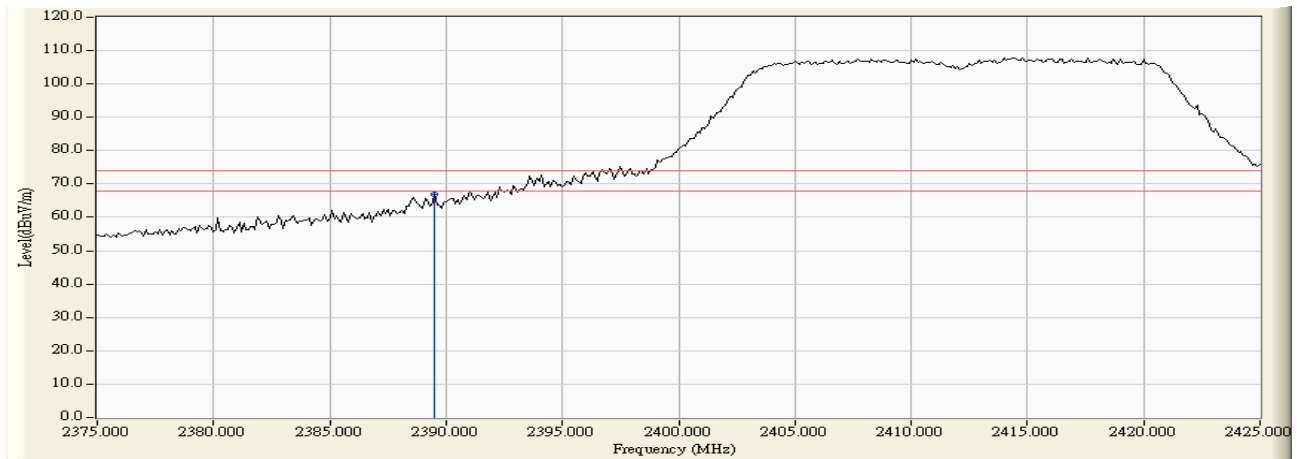
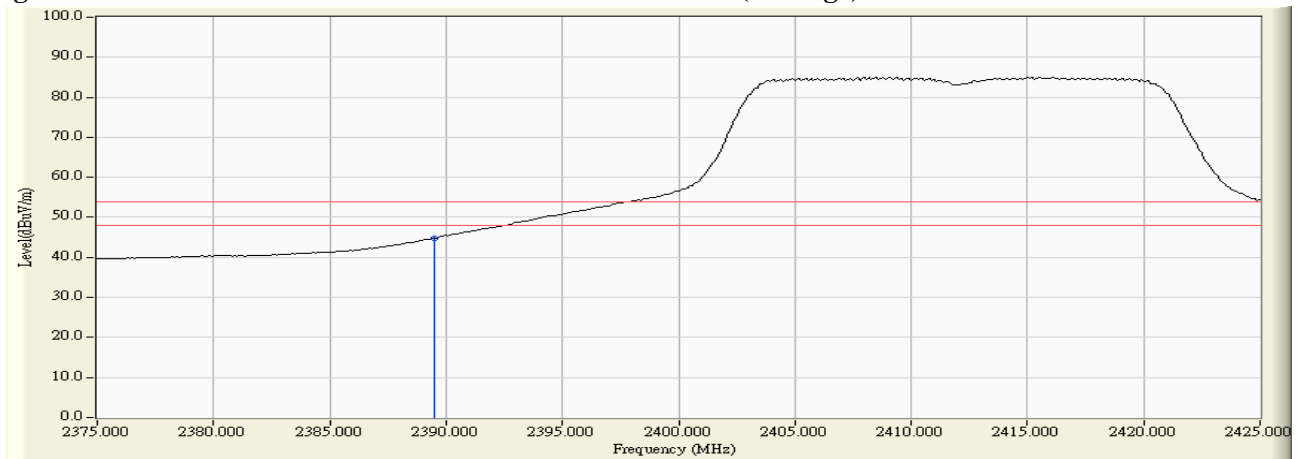


Figure Channel 01: Horizontal (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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)	2389.200	-2.407	62.788	60.381	74.00	54.00	Pass
01 (Average)	2389.200	-2.407	42.798	40.391	74.00	54.00	Pass

Figure Channel 01: Vertical (Peak)

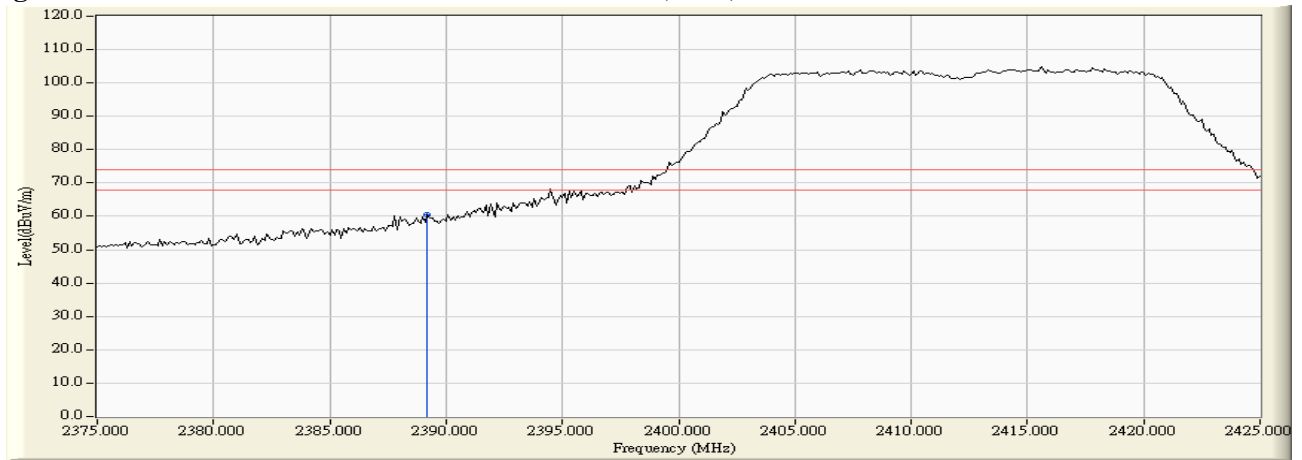
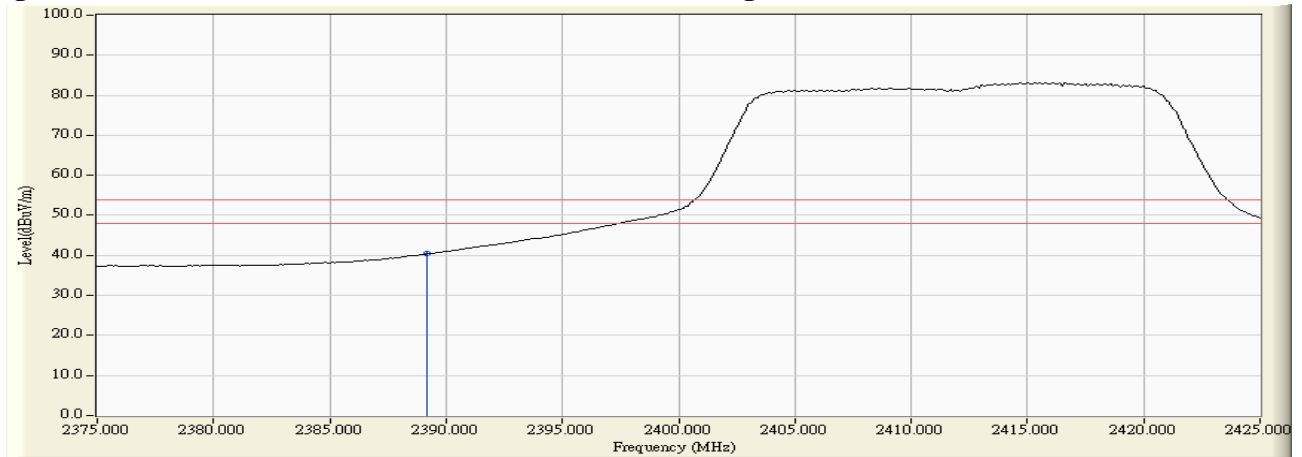


Figure Channel 01: Vertical (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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)	2483.600	-1.986	71.218	69.232	74.00	54.00	Pass
11(Average)	2483.600	-1.986	48.940	46.954	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

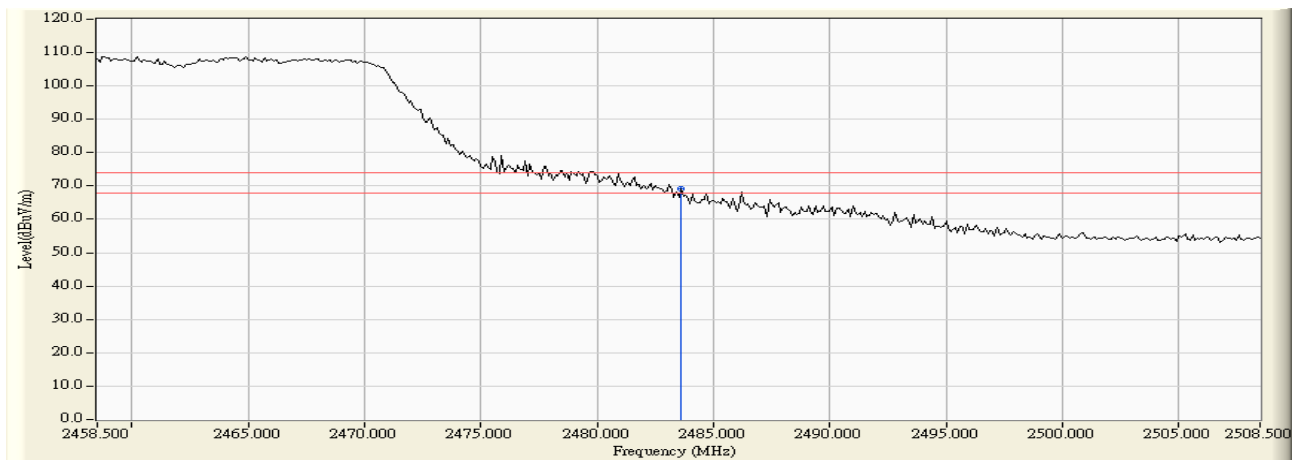
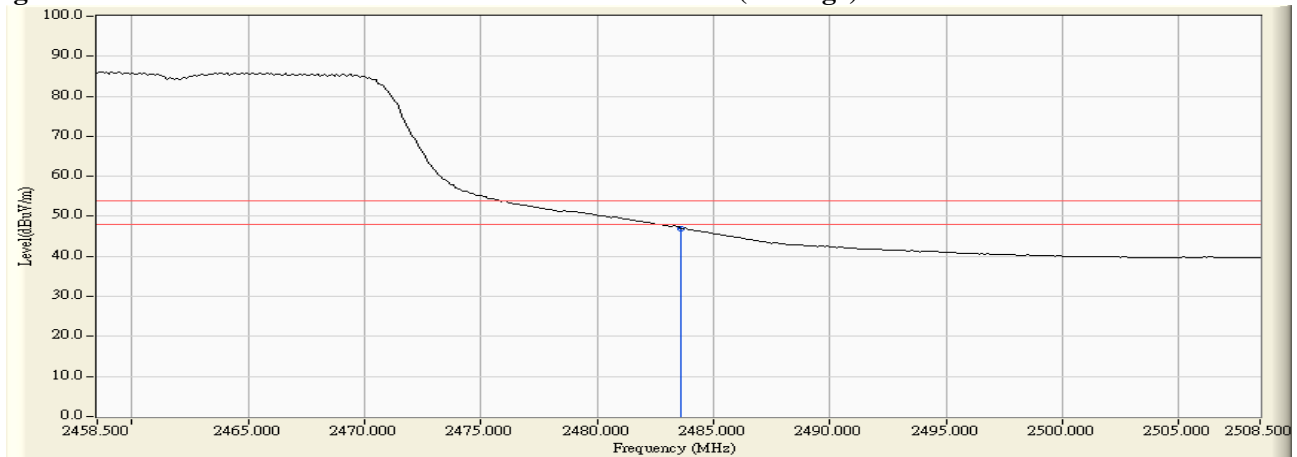


Figure Channel 11: Horizontal (Average)



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 MC-C5 / MC-F5
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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)	2484.000	-1.985	67.450	65.465	74.00	54.00	Pass
11(Average)	2484.000	-1.985	43.909	41.924	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

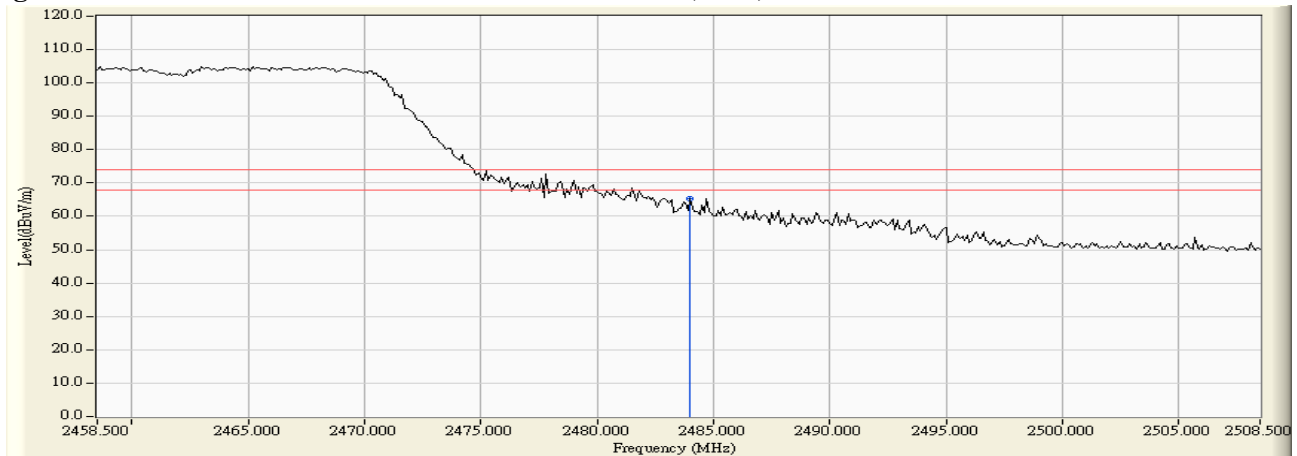
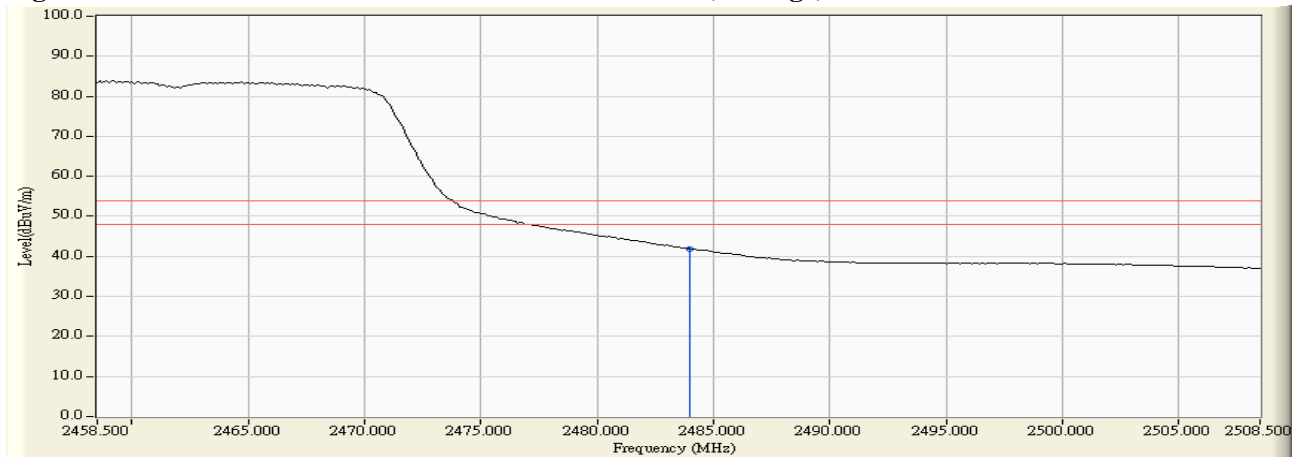


Figure Channel 11: Vertical (Average)



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

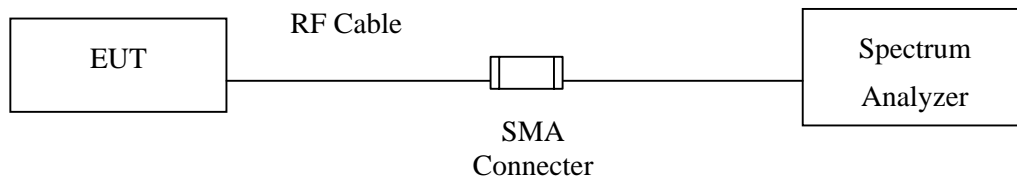
7.1. Test Equipment

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

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Test Receiver	R & S	ESI 26 / 838786 / 004	May, 2008
	Spectrum Analyzer	R & S	FSP40 / 100339	Apr, 2008
X	Spectrum Analyzer	Agilent	E4407B / US39440758	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.

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

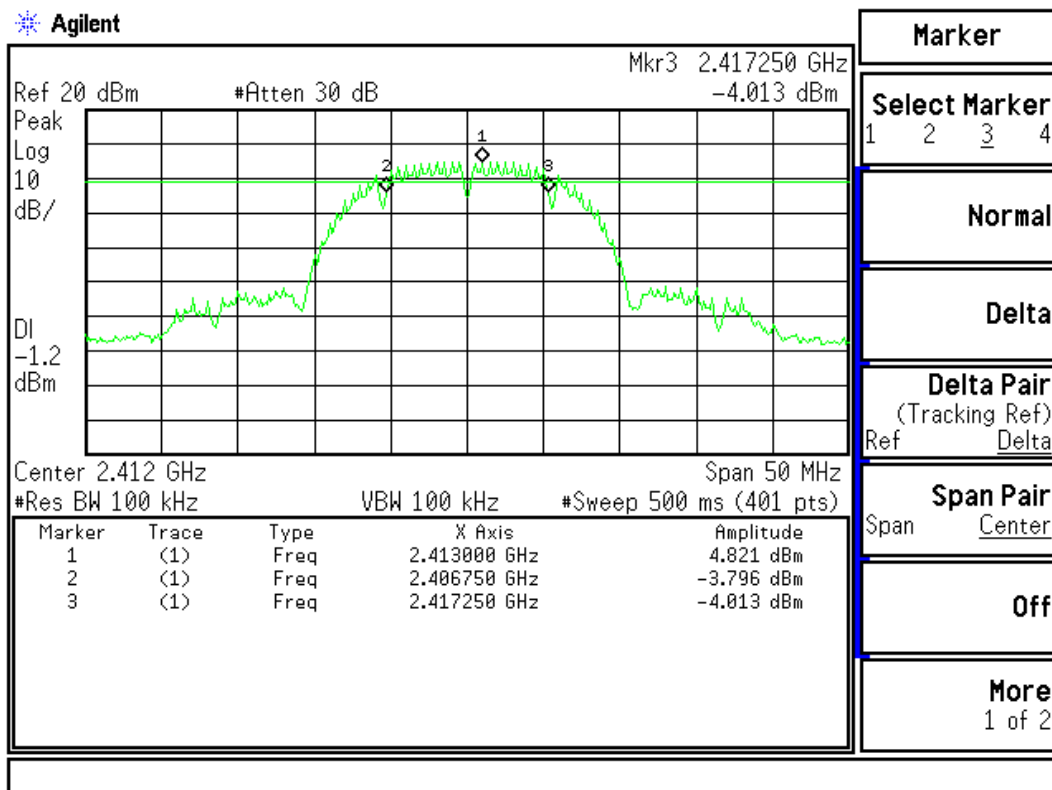
± 150Hz

7.6. Test Result of Occupied Bandwidth

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

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

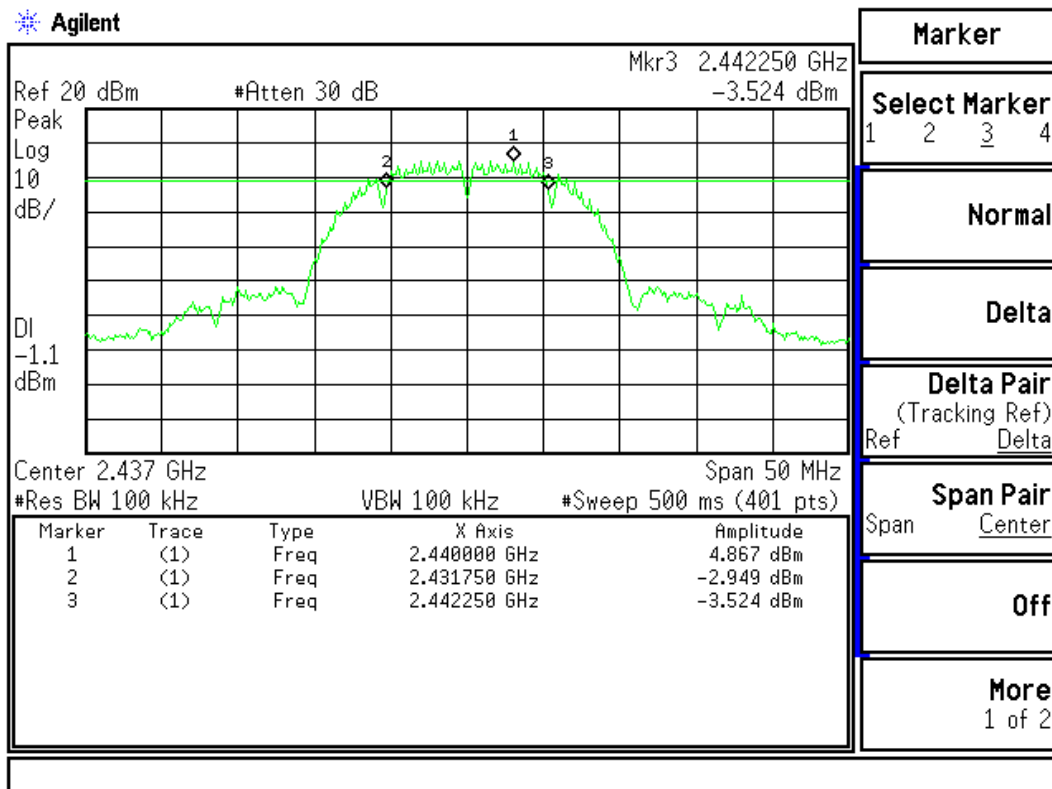
Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

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

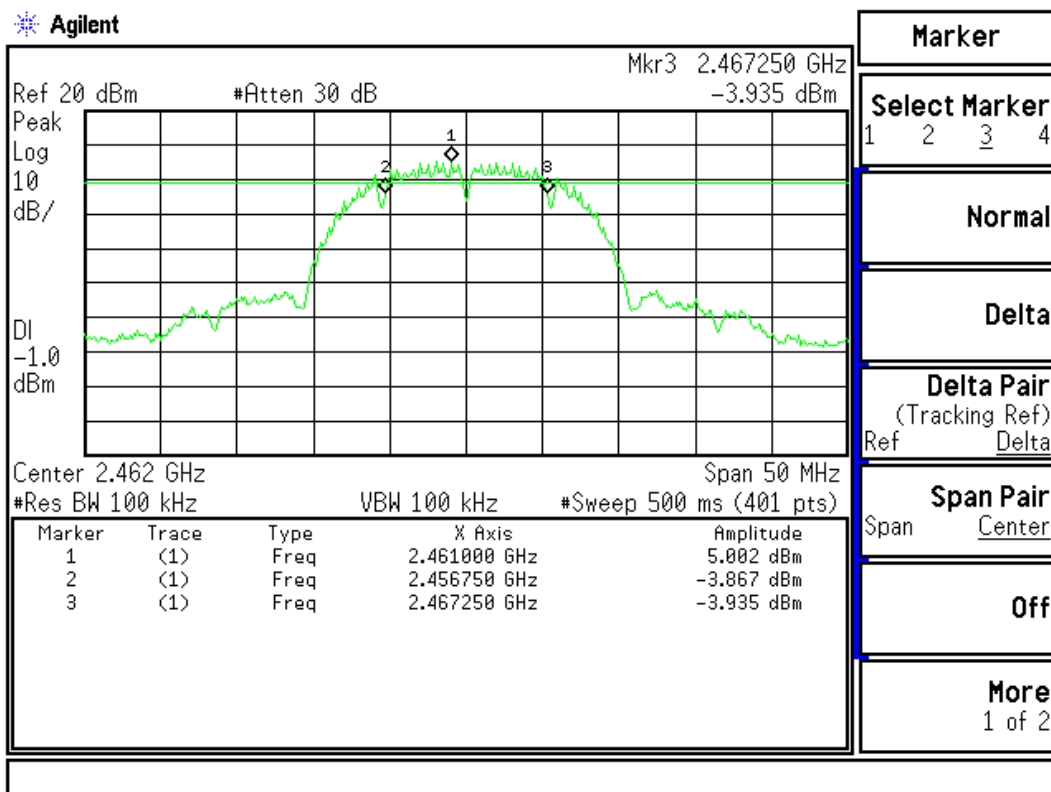
Figure Channel 6:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

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

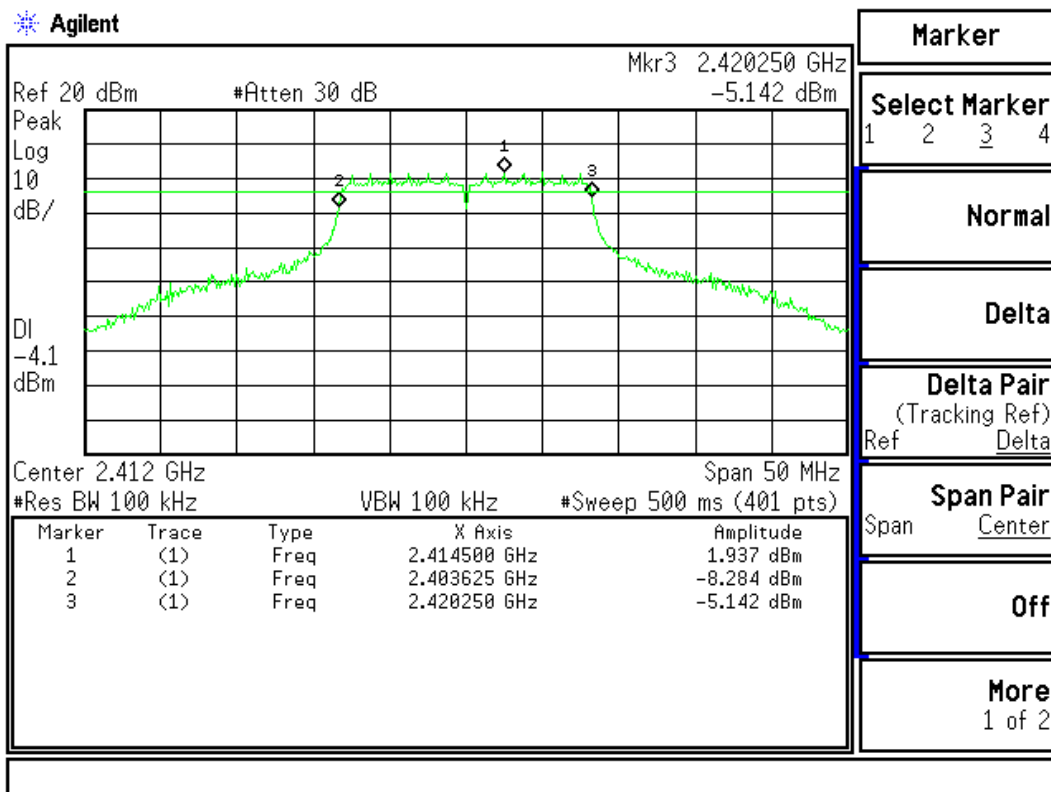
Figure Channel 11:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

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

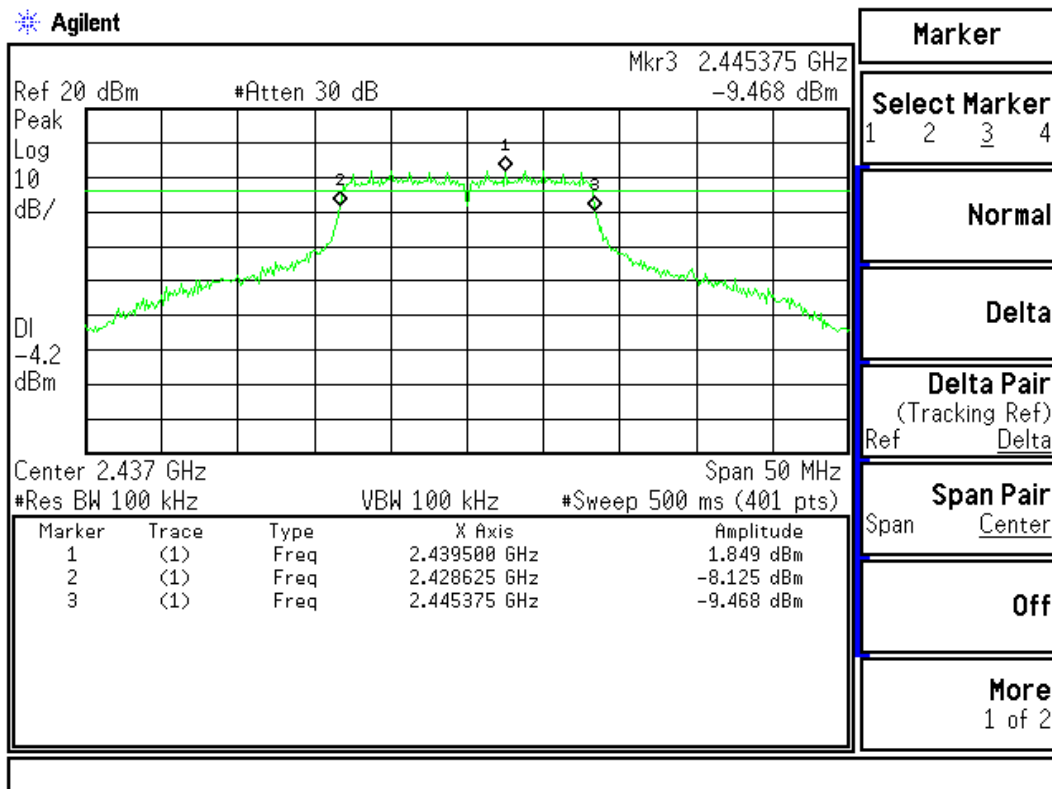
Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

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

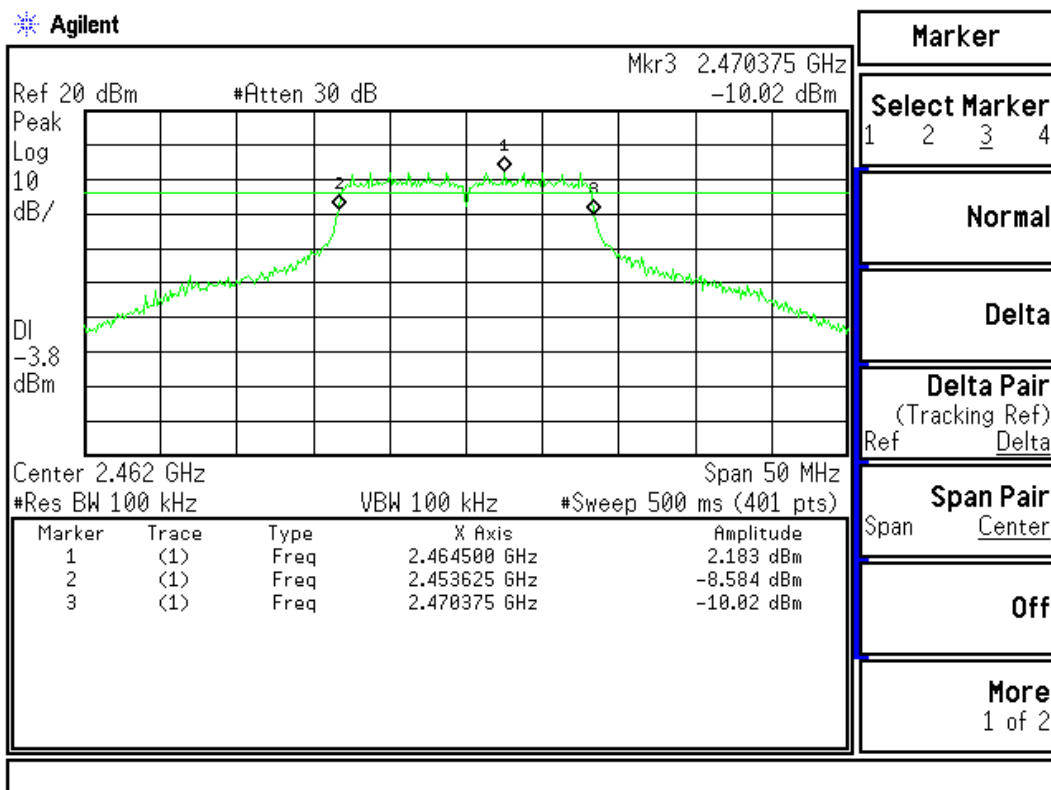
Figure Channel 6:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

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

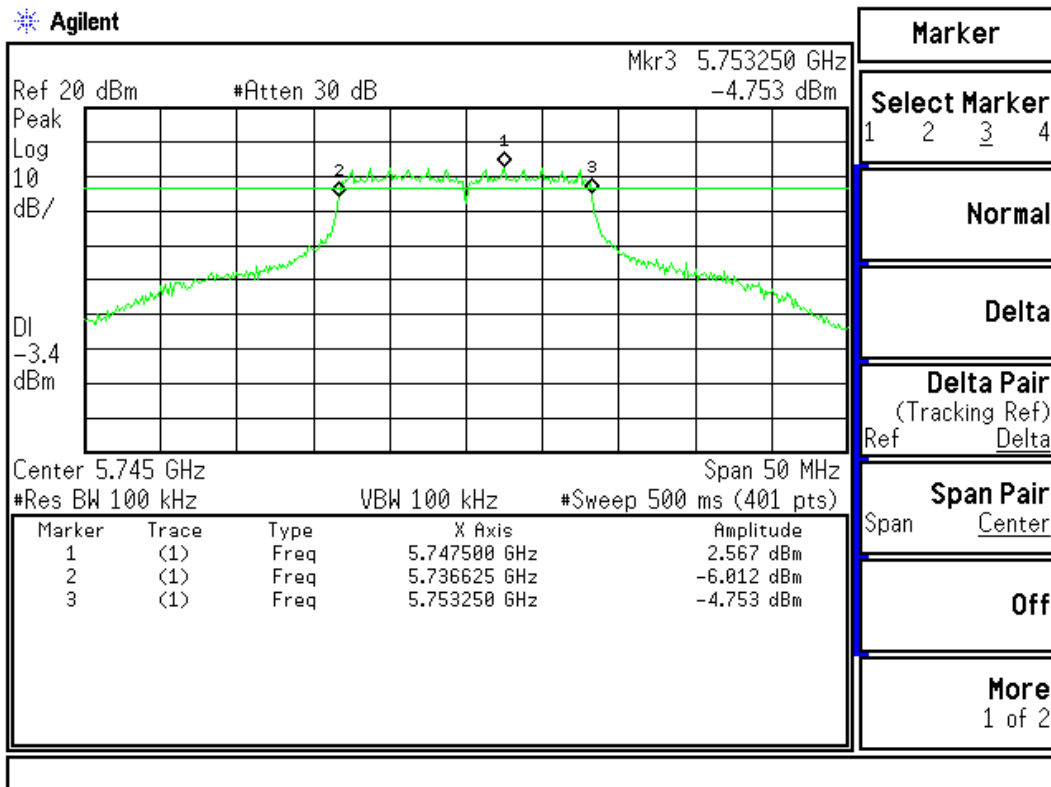
Figure Channel 11:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5745MHz)

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

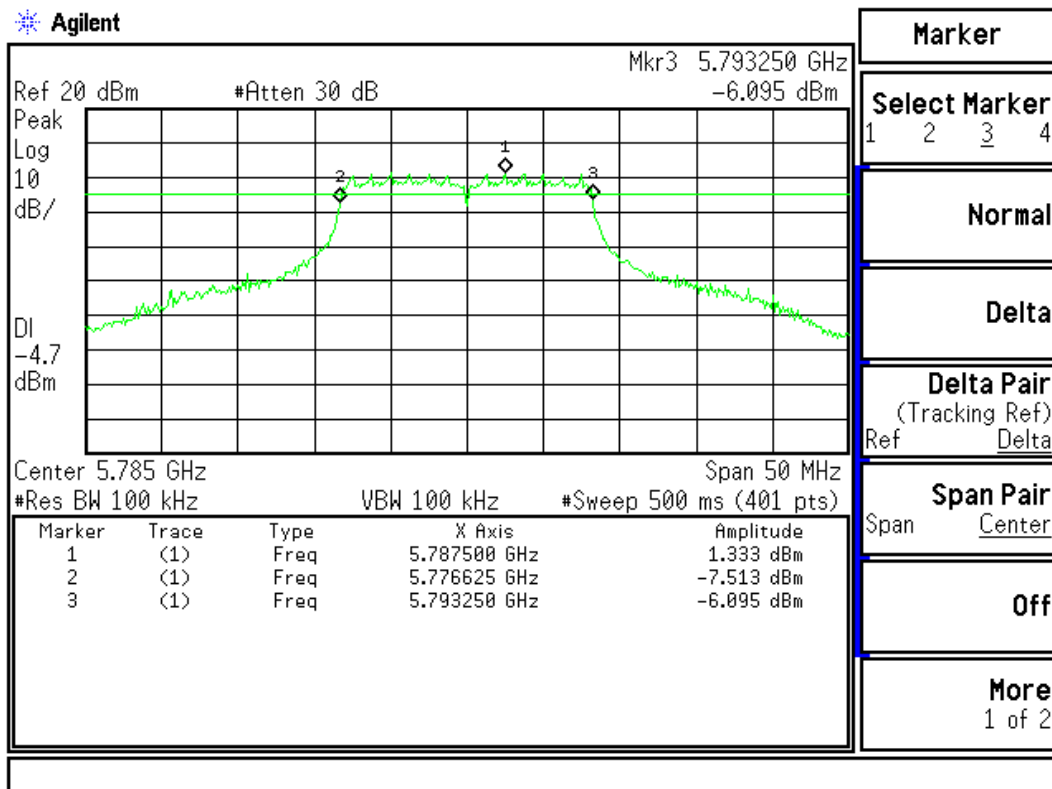
Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5785MHz)

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

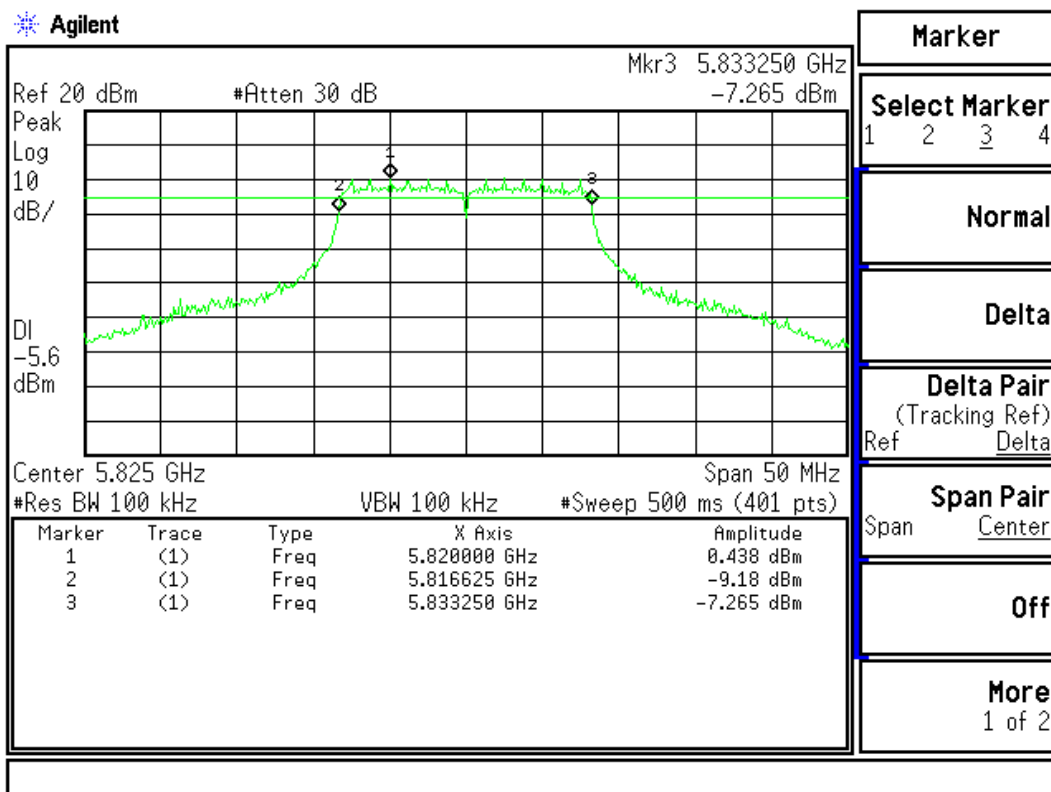
Figure Channel 3:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5825MHz)

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

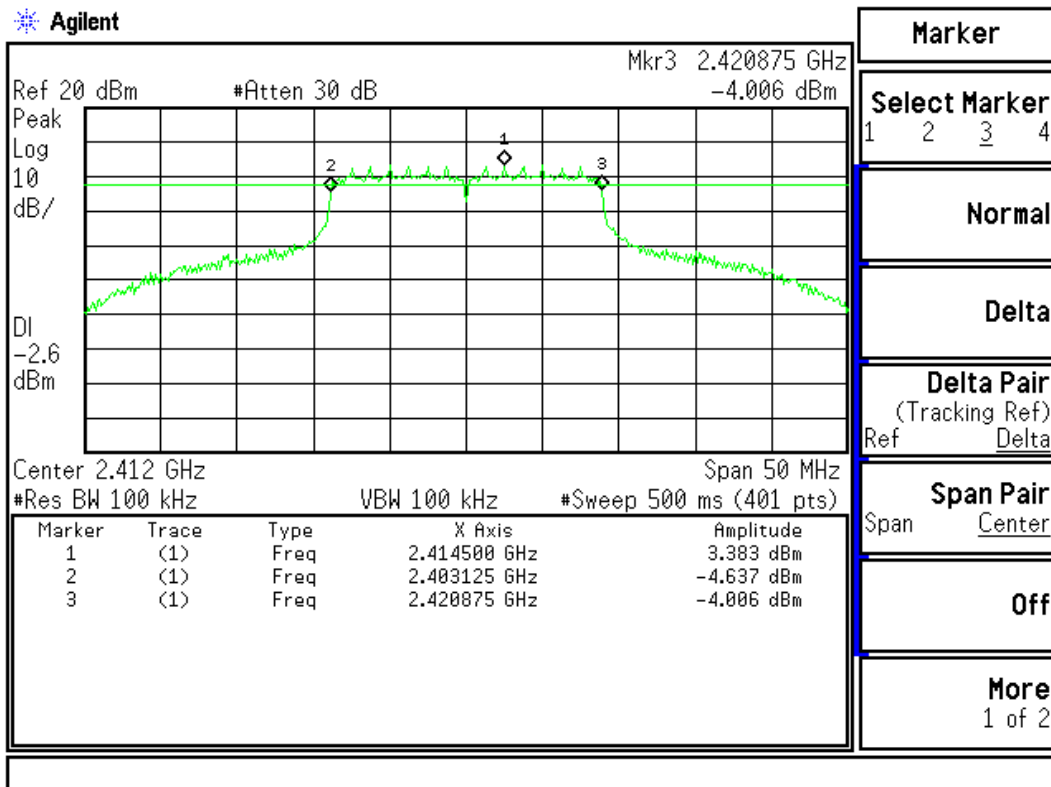
Figure Channel 5:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

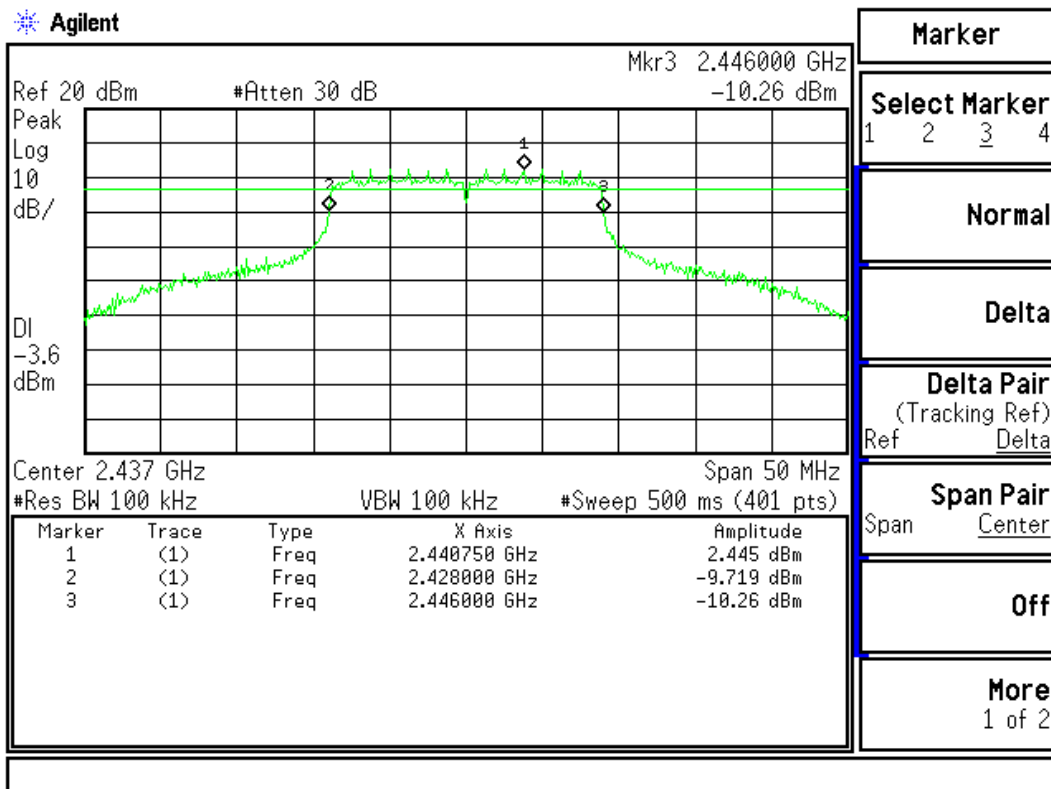
Figure Channel 1-Ant A:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

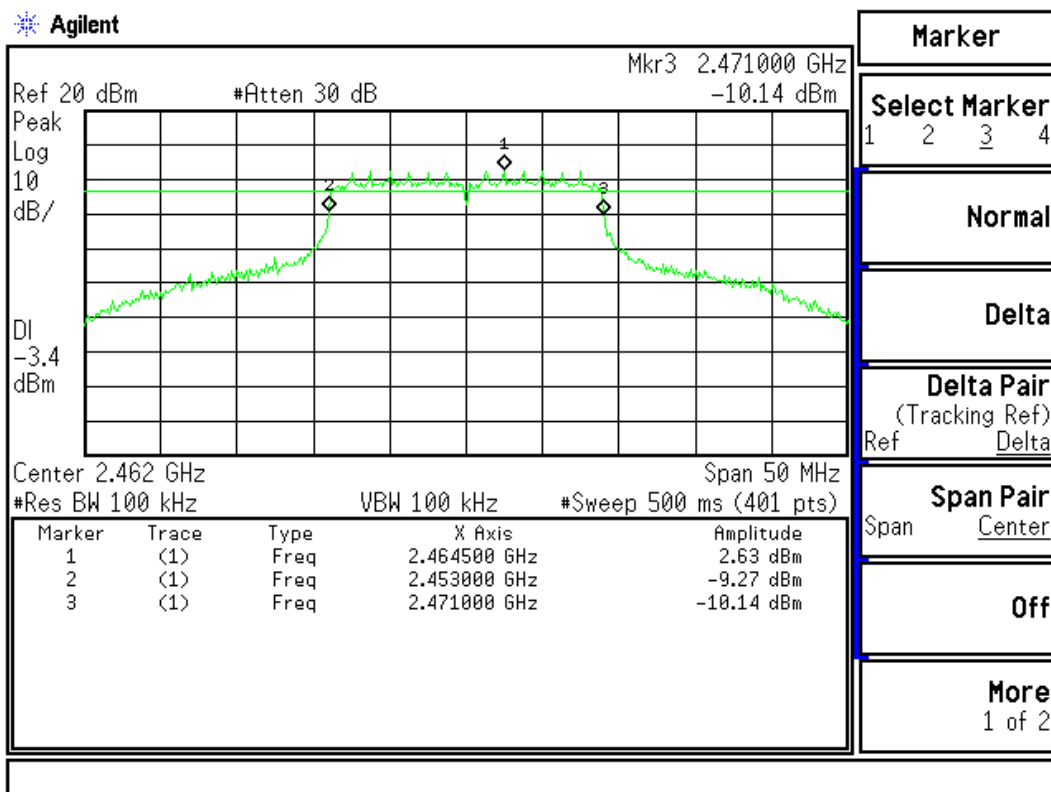
Figure Channel 6-Ant A:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

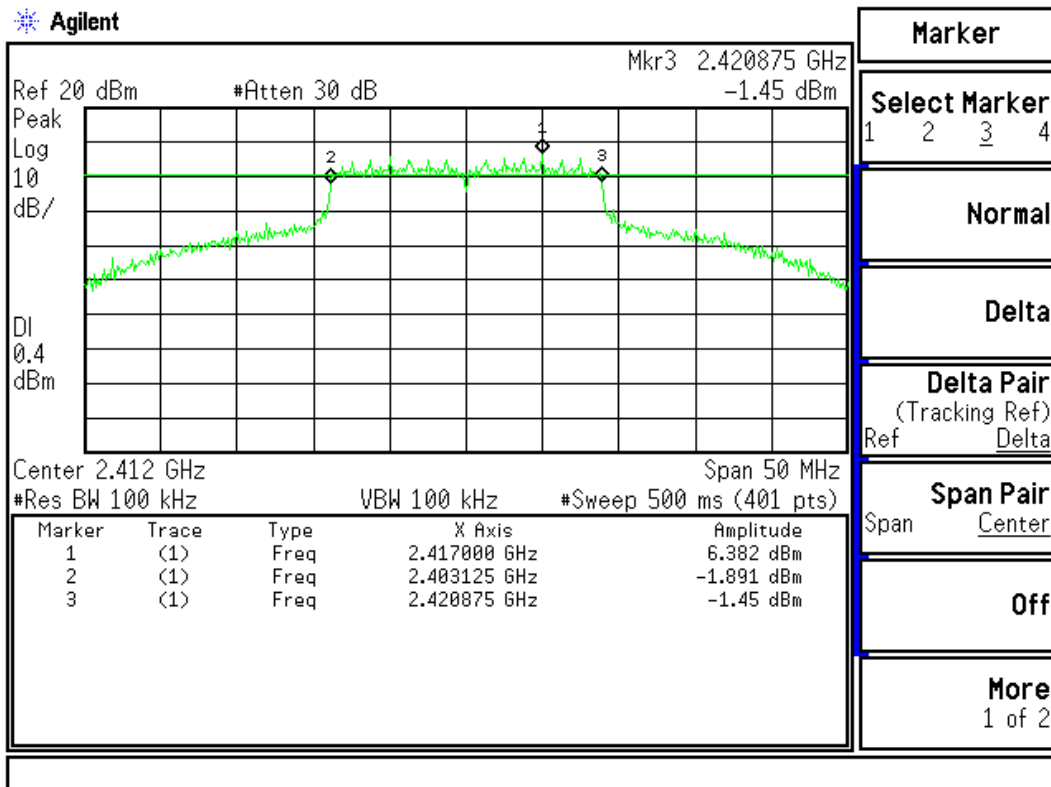
Figure Channel 11-Ant A:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

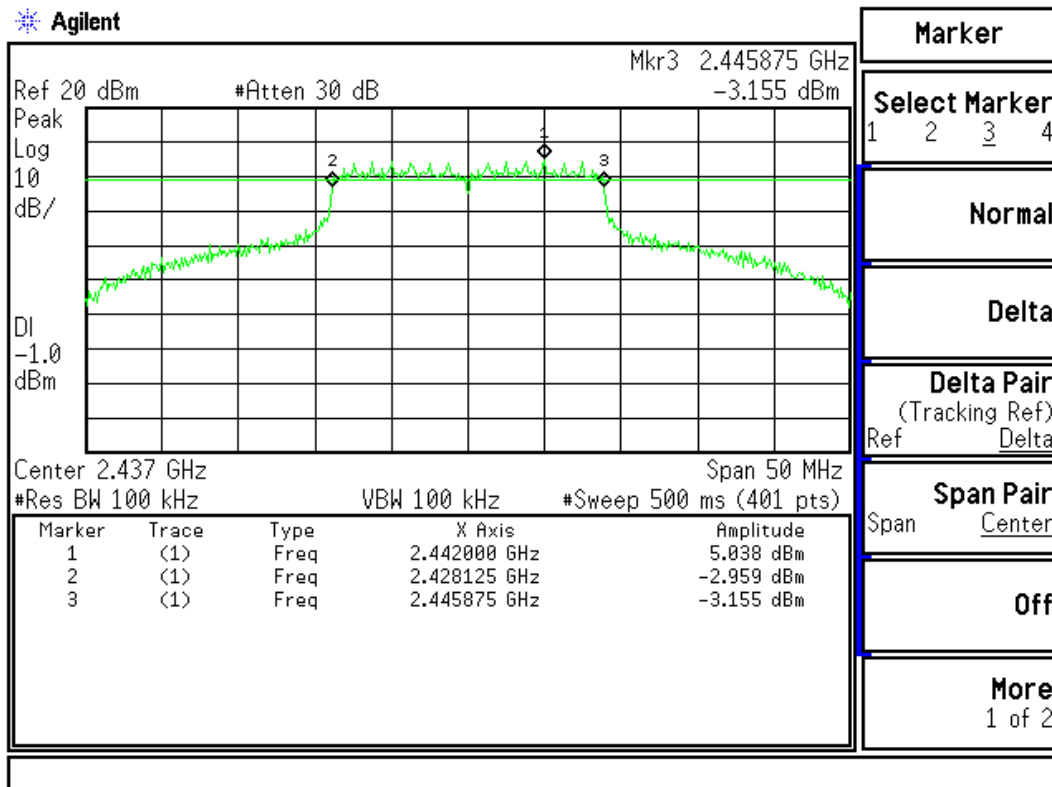
Figure Channel 1-Ant B:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

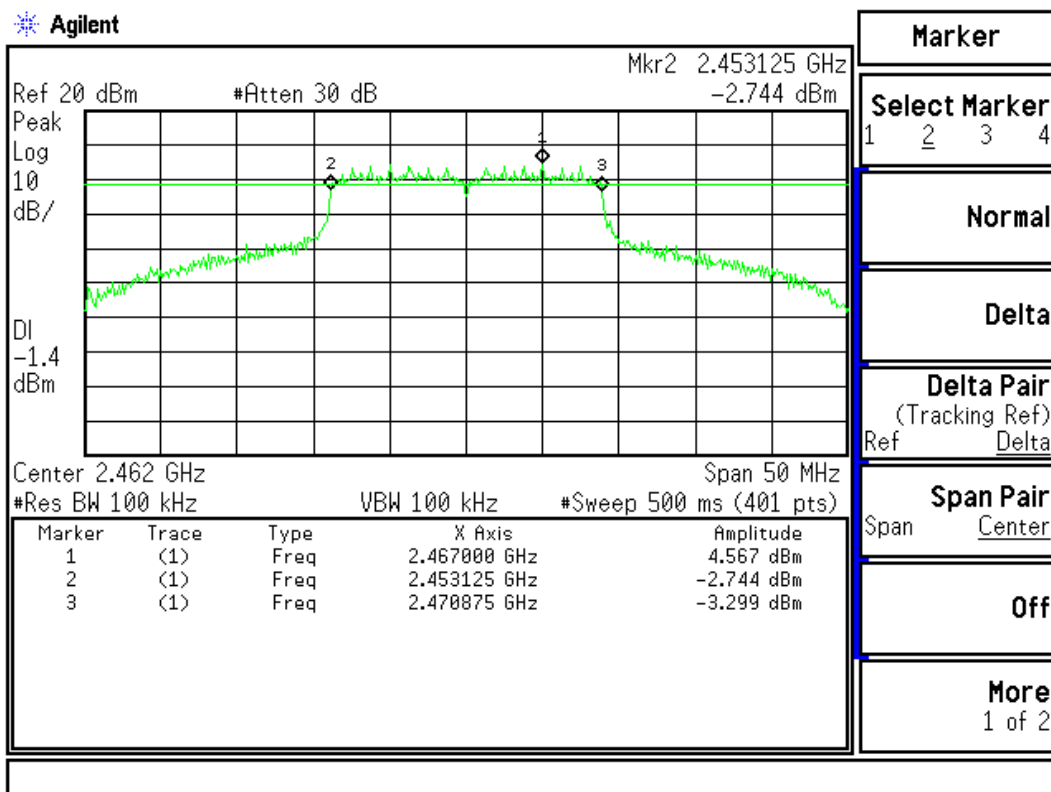
Figure Channel 6-Ant B:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

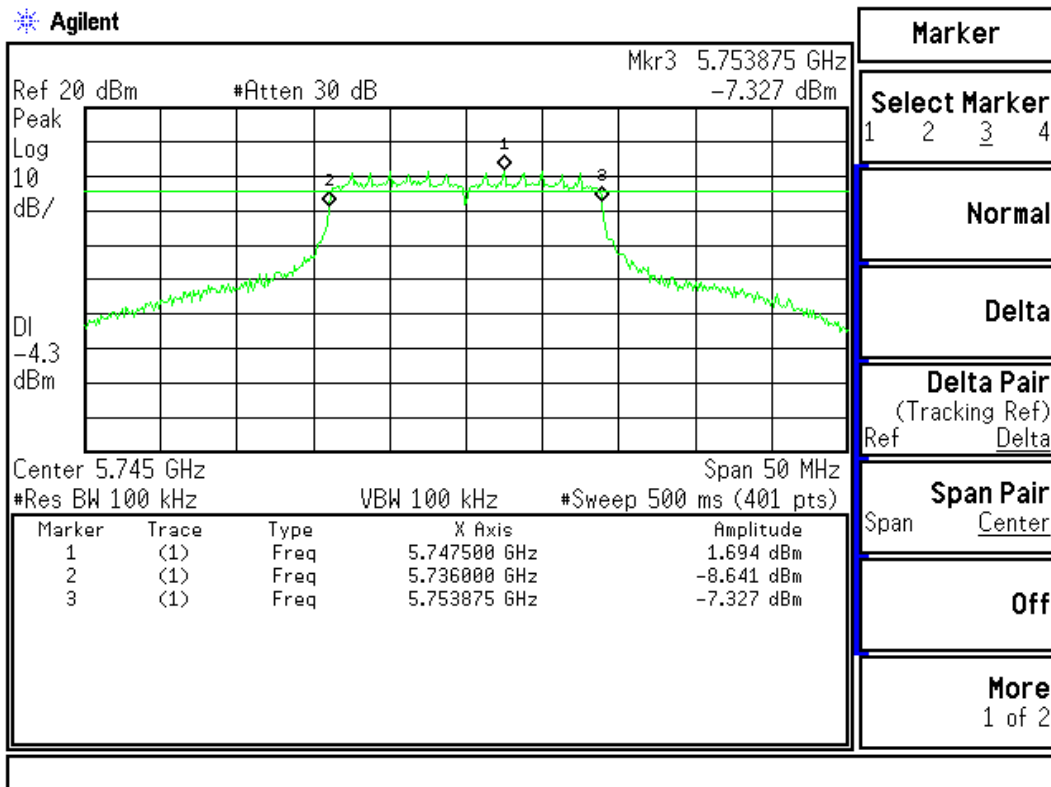
Figure Channel 11-Ant B:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

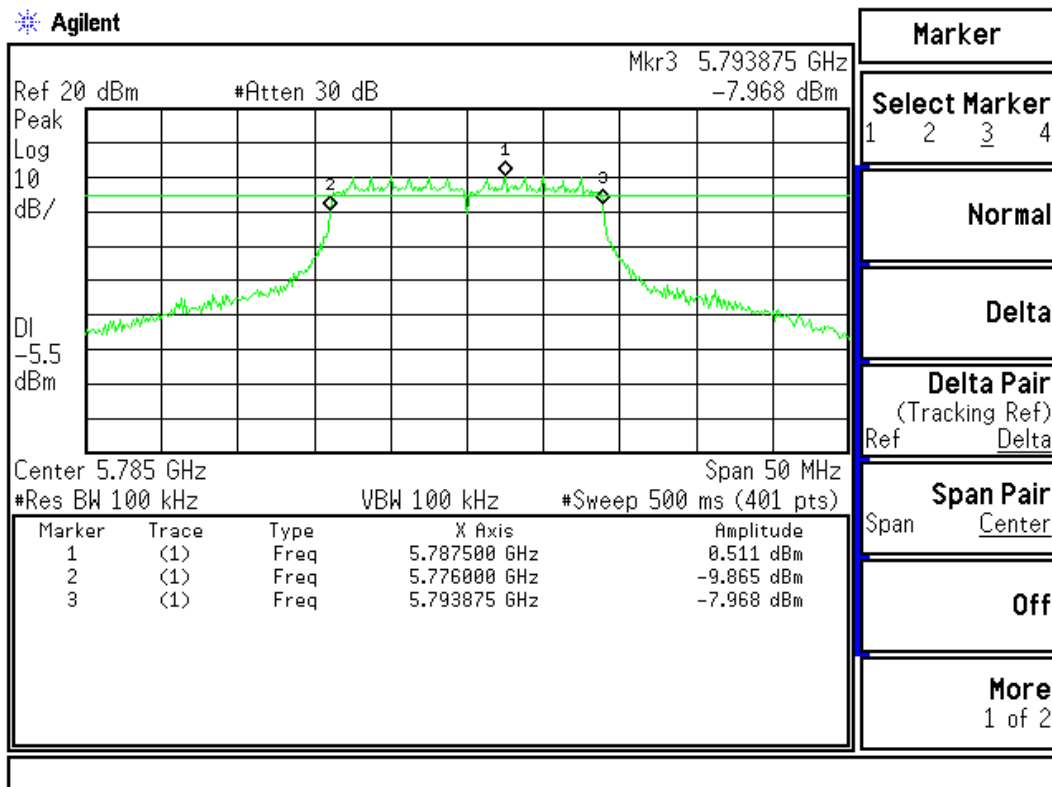
Ant A-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

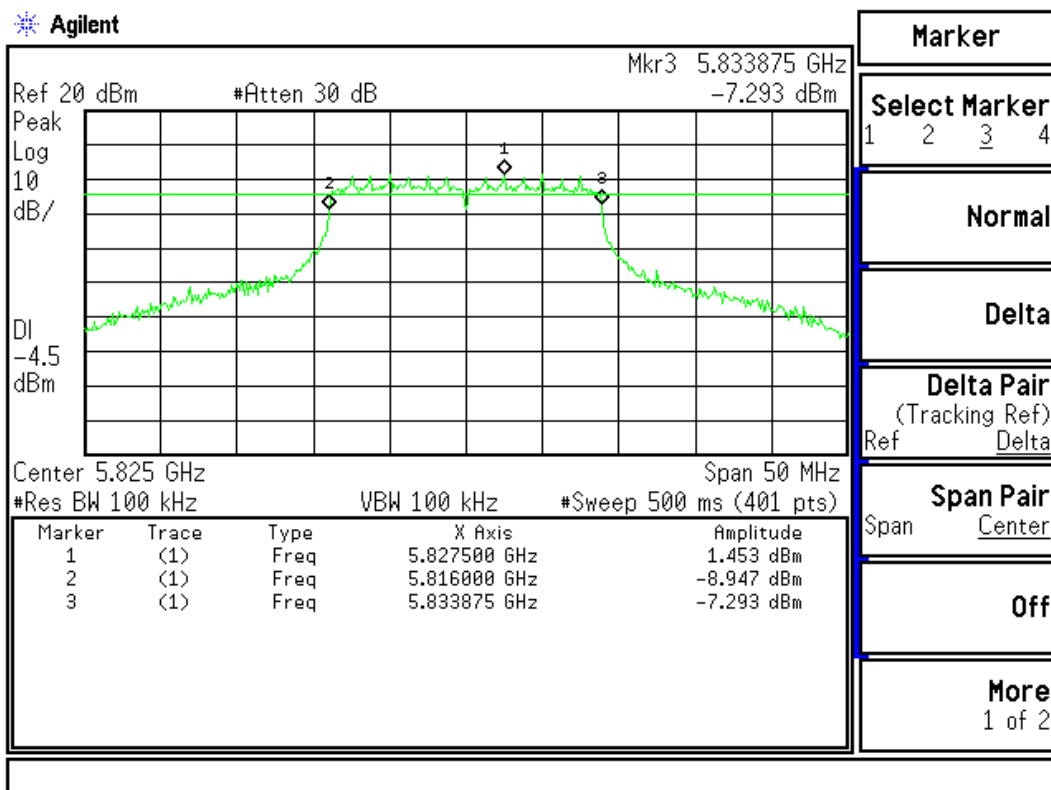
Ant A-Figure Channel 3:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

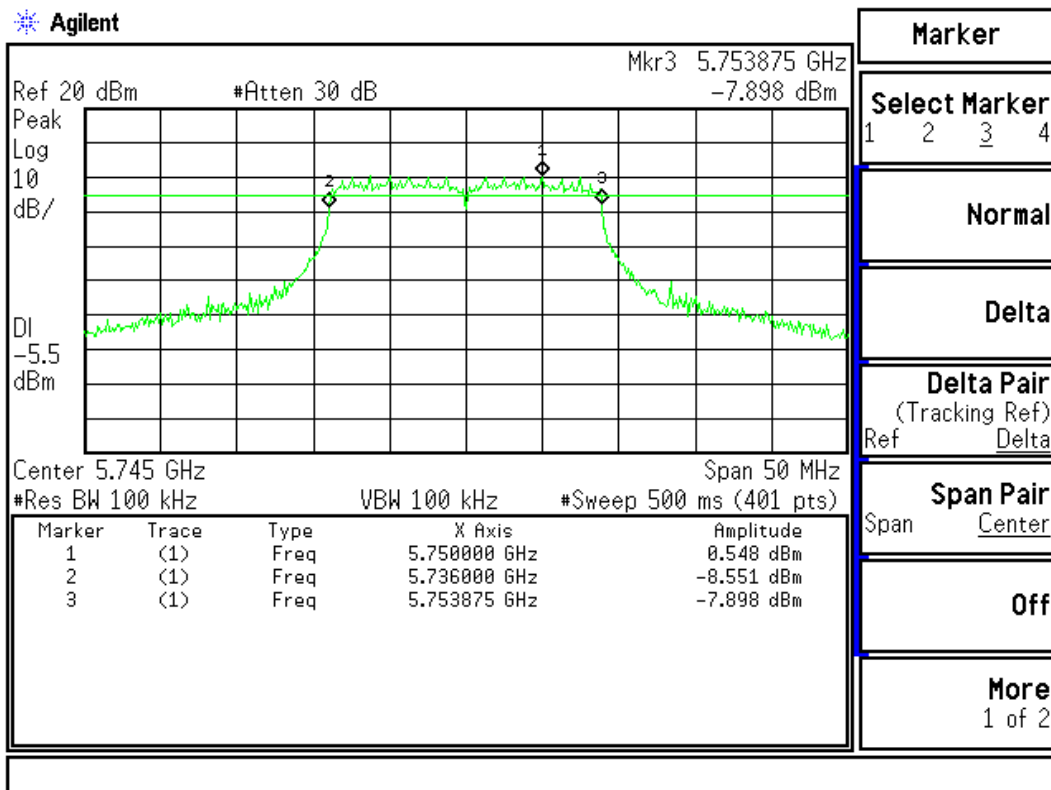
Ant A-Figure Channel 5:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

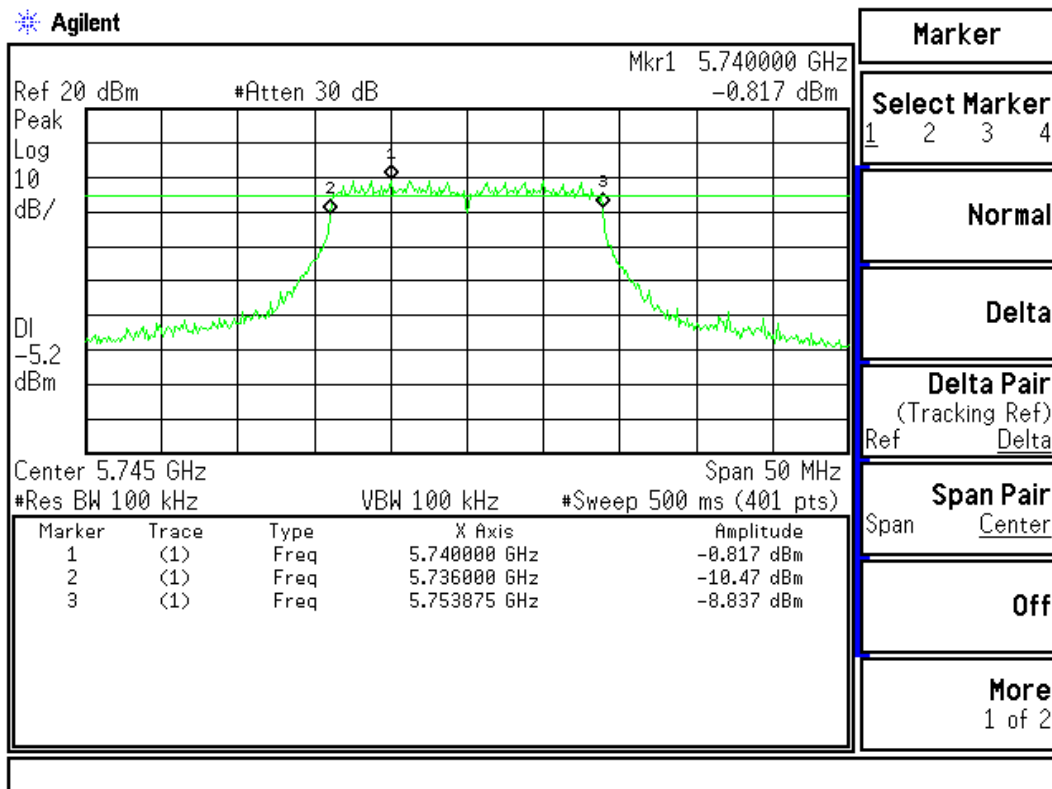
Ant B-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

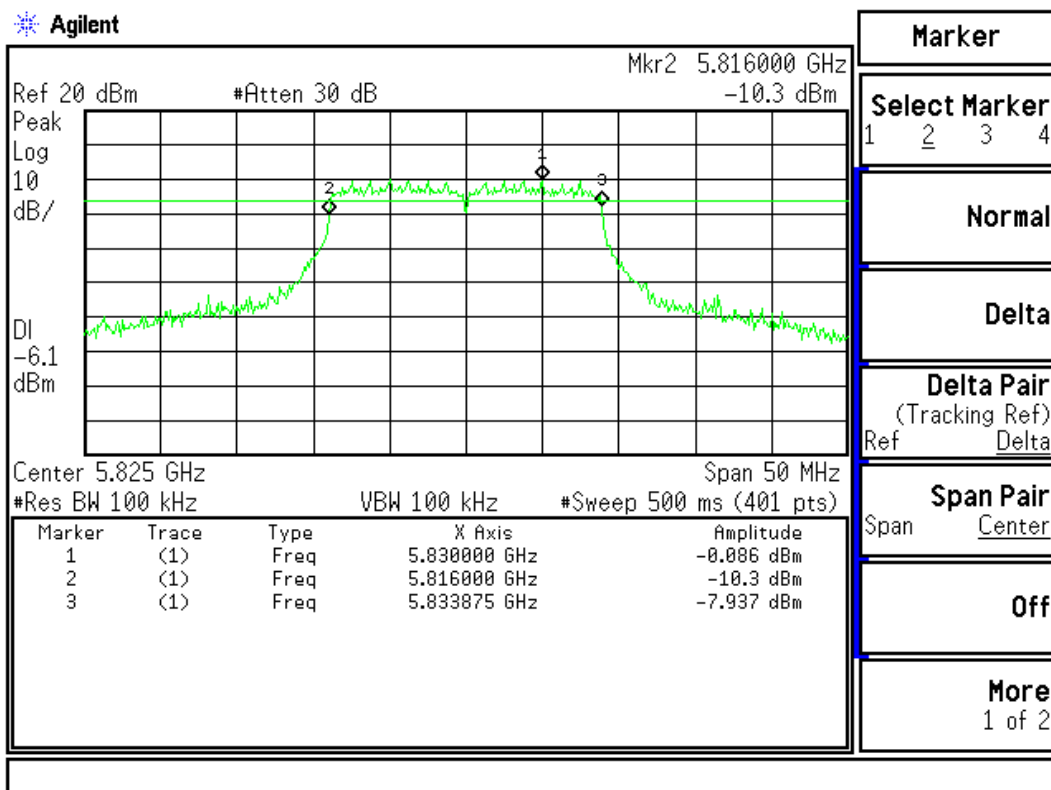
Ant B-Figure Channel 3:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

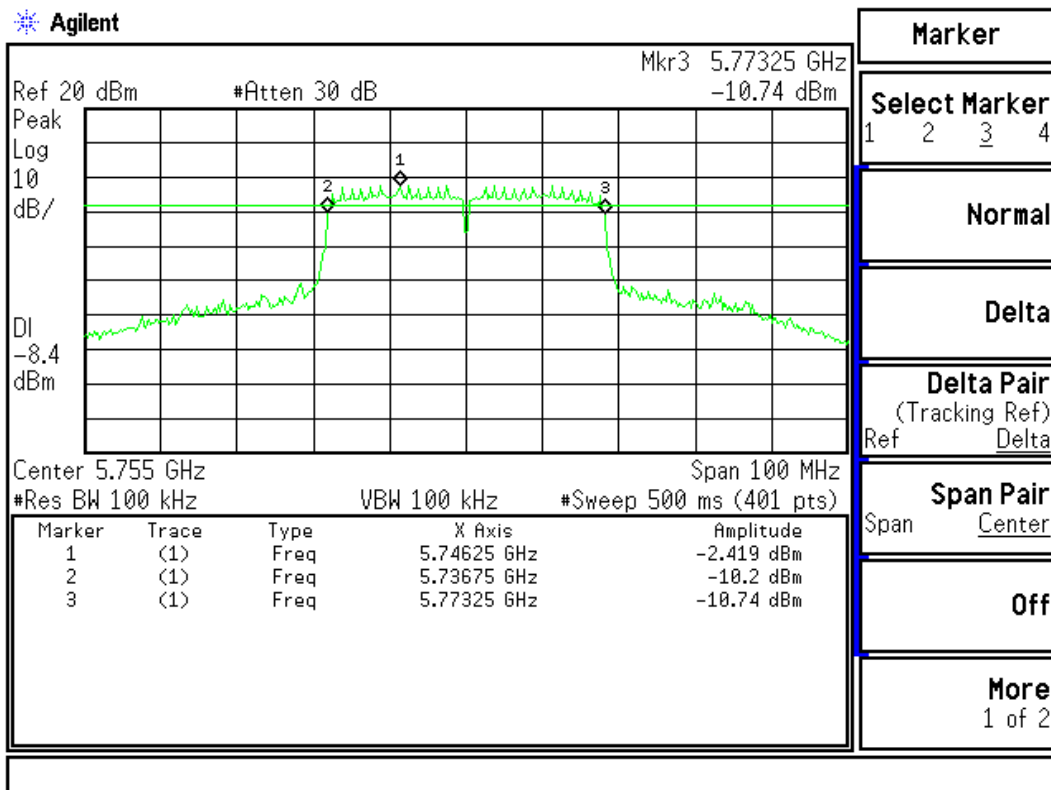
Ant B-Figure Channel 5:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (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

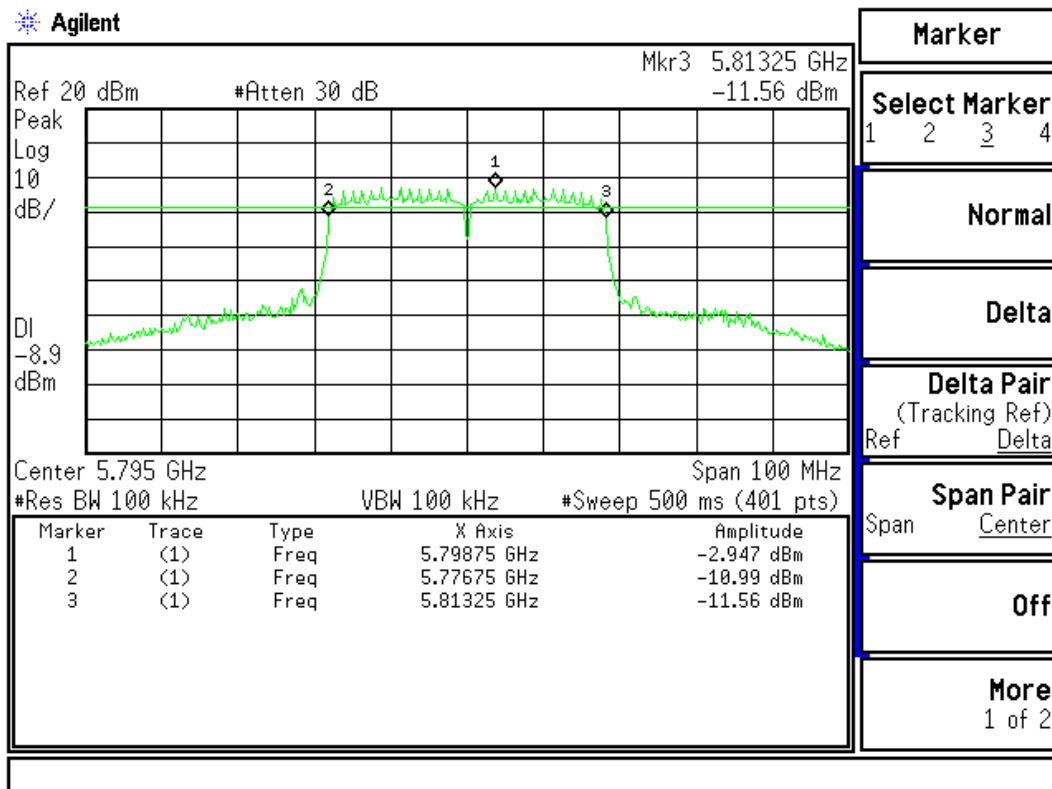
Ant A-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (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

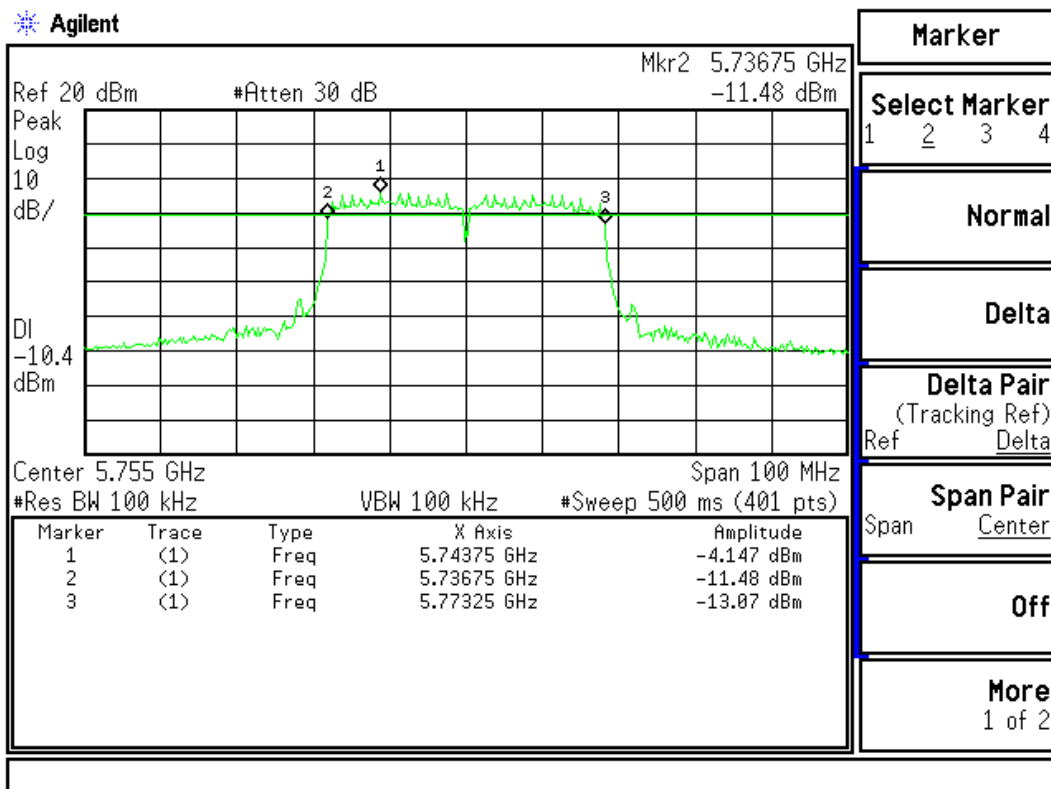
Ant A-Figure Channel 2:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (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

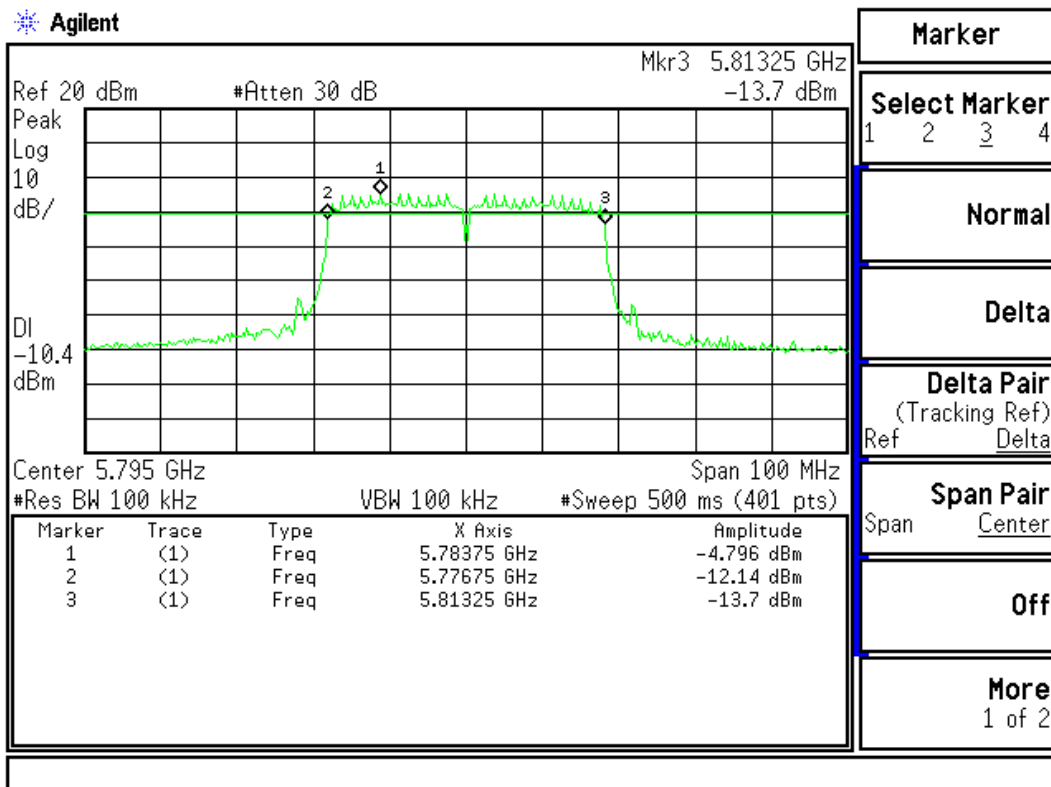
Ant B-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (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

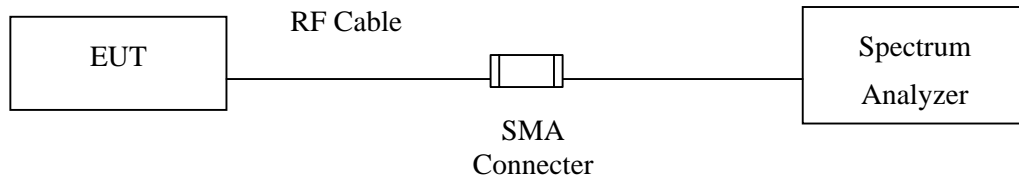
8.1. Test Equipment

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

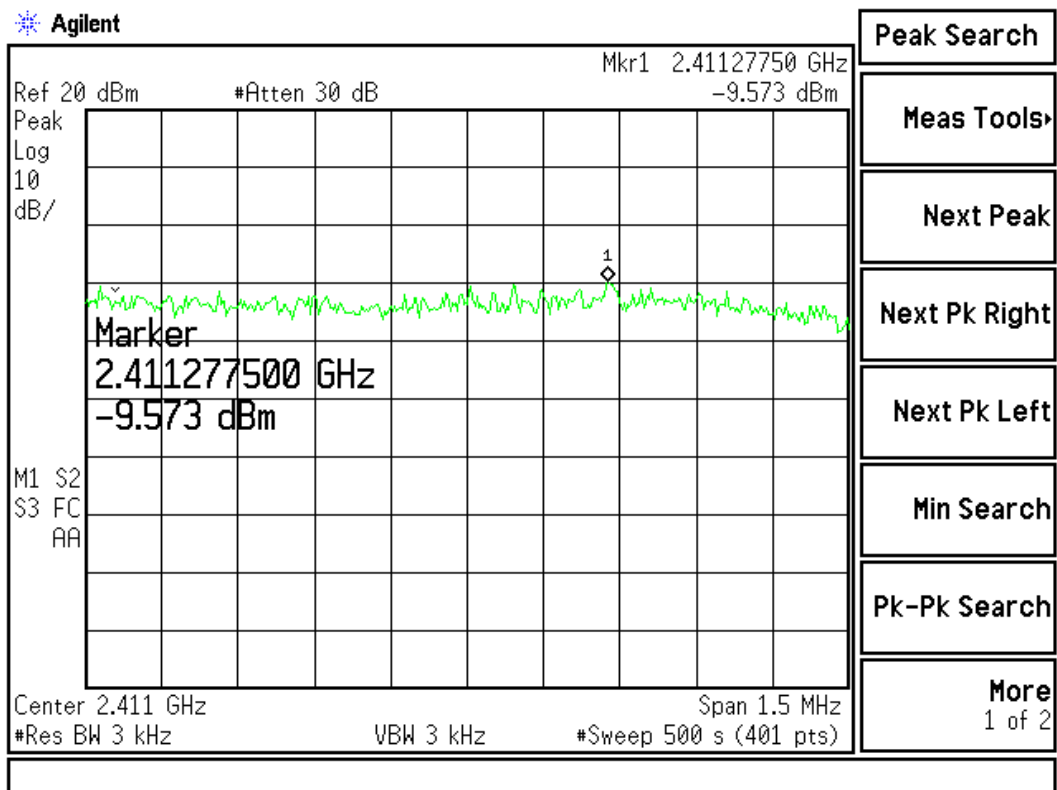
± 1.27 dB

8.6. Test Result of Power Density

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

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

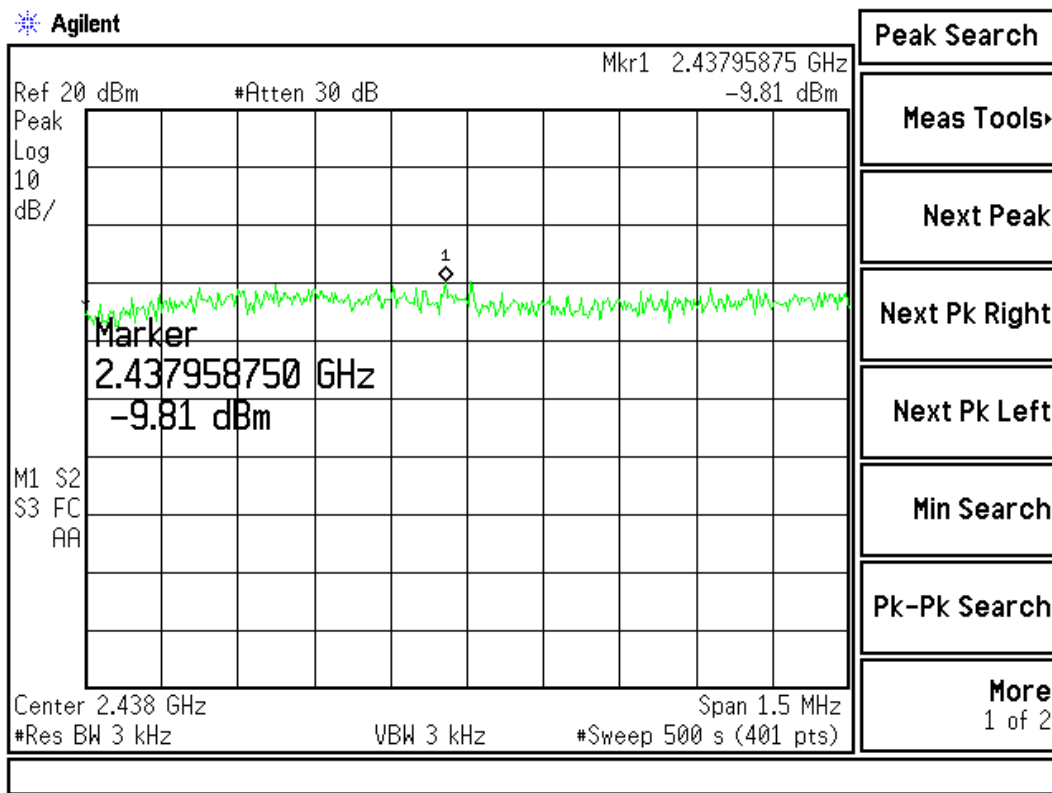
Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

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

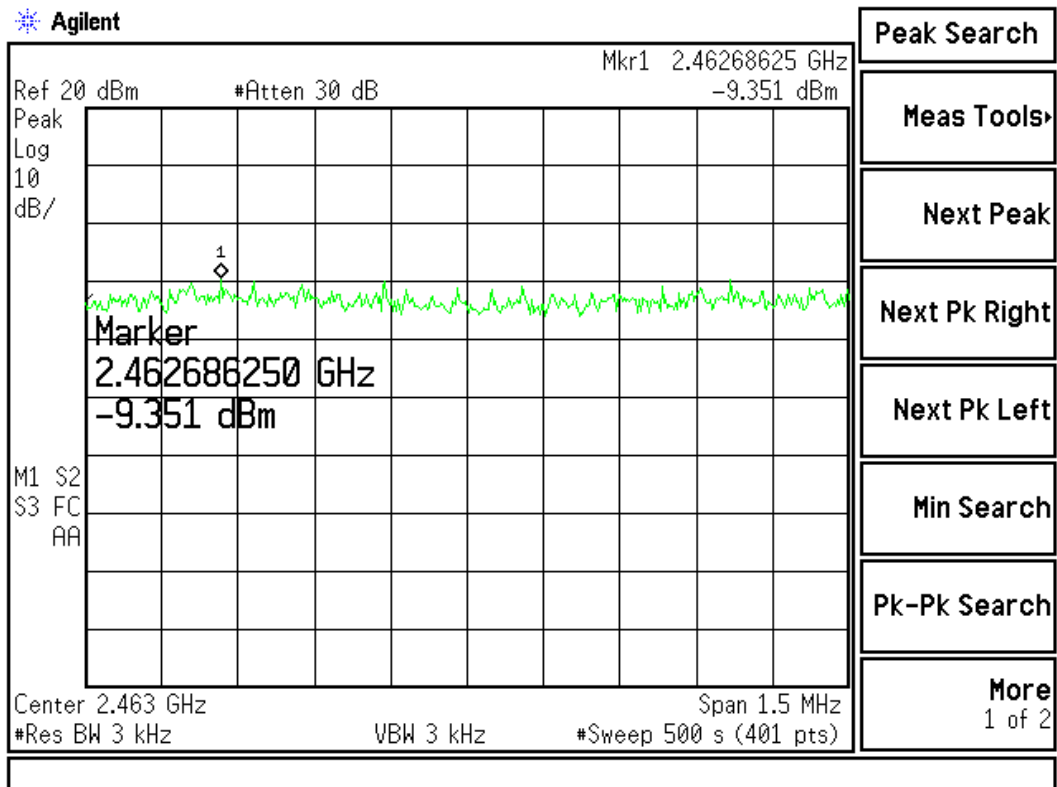
Figure Channel 6:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

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

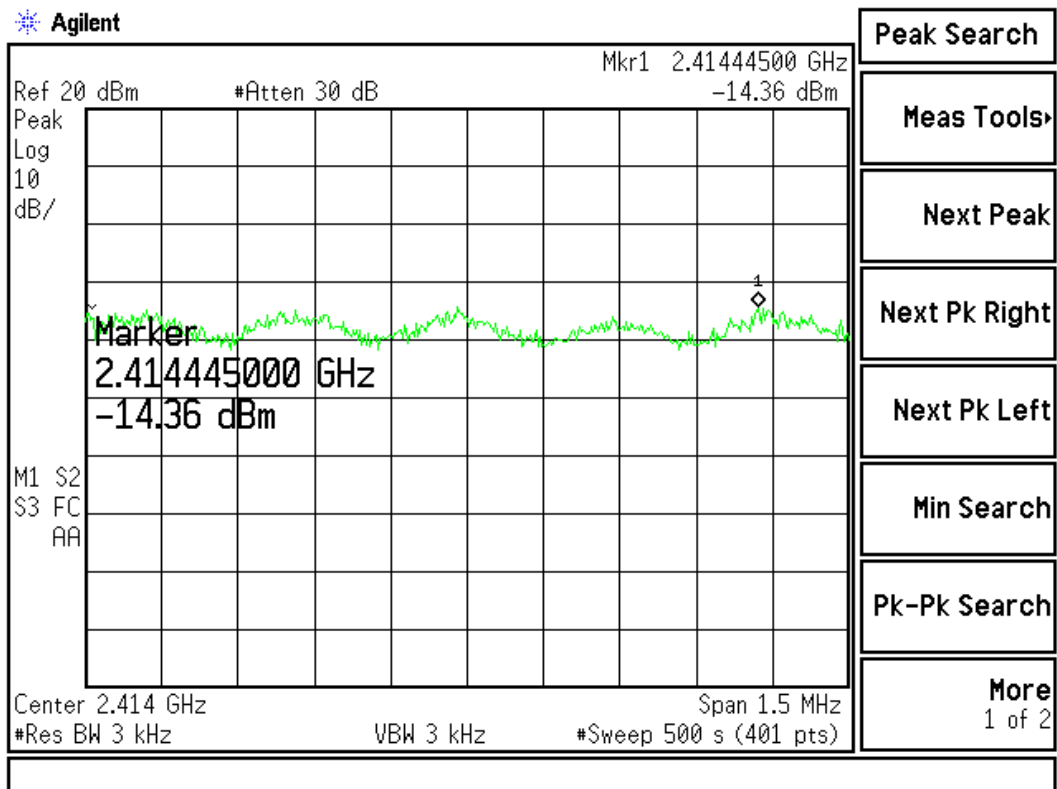
Figure Channel 11:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

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

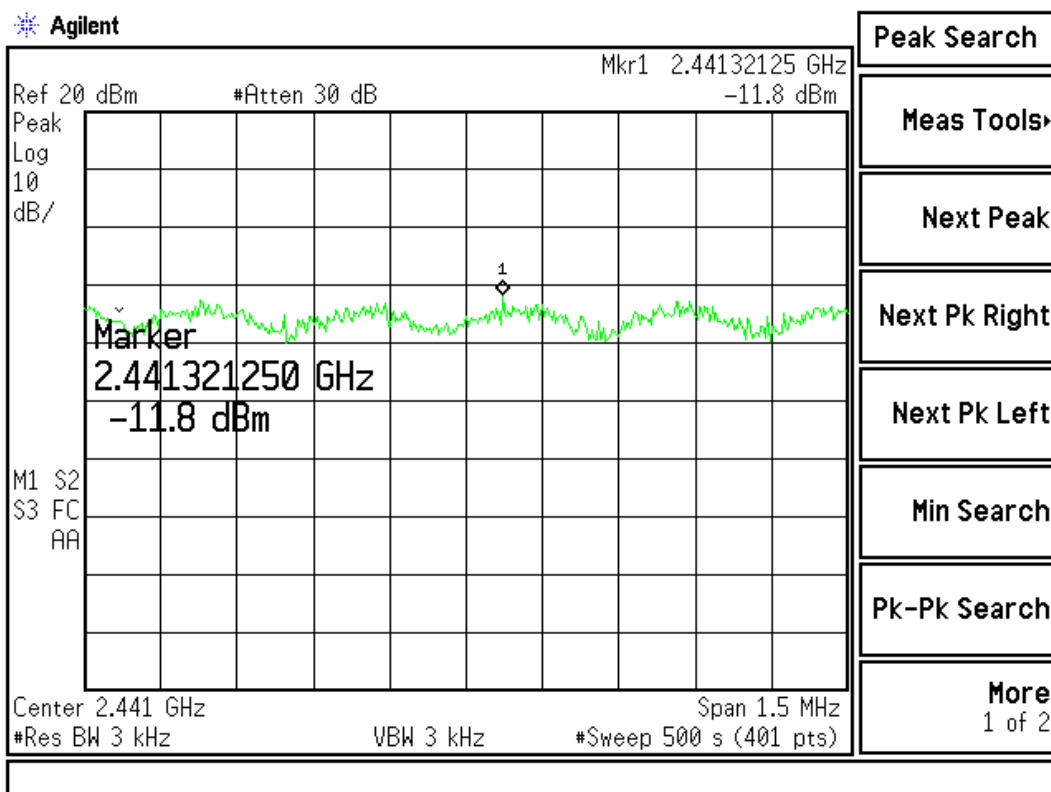
Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

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

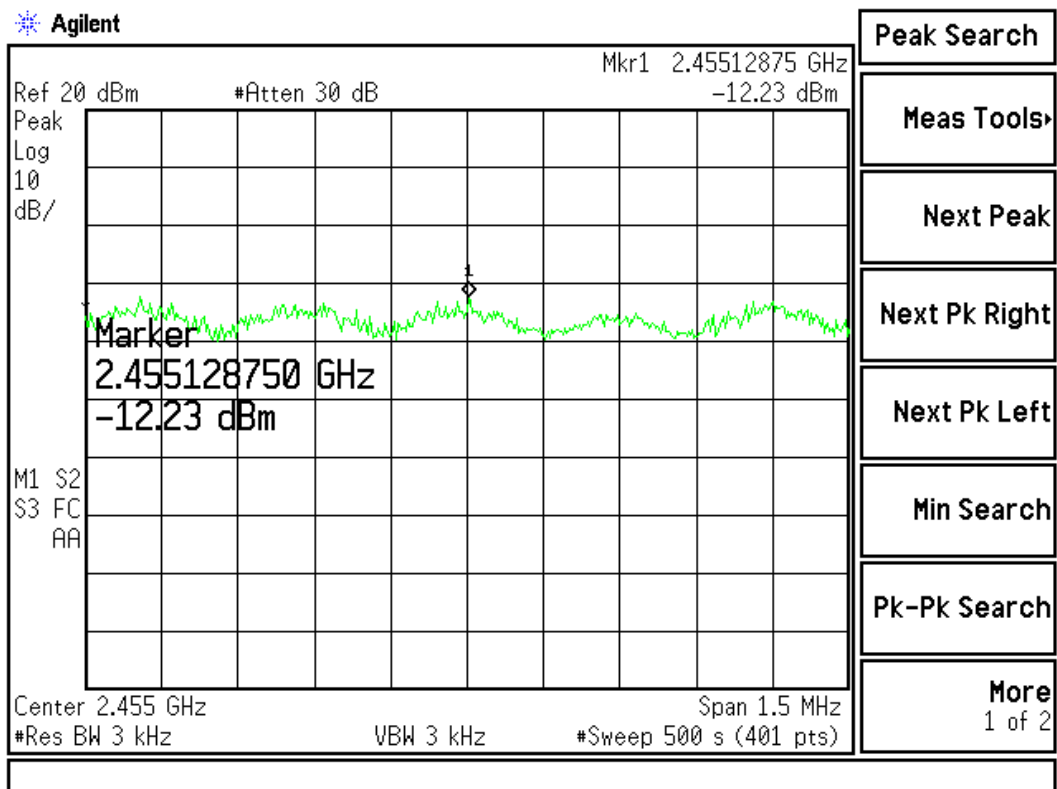
Figure Channel 6:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

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

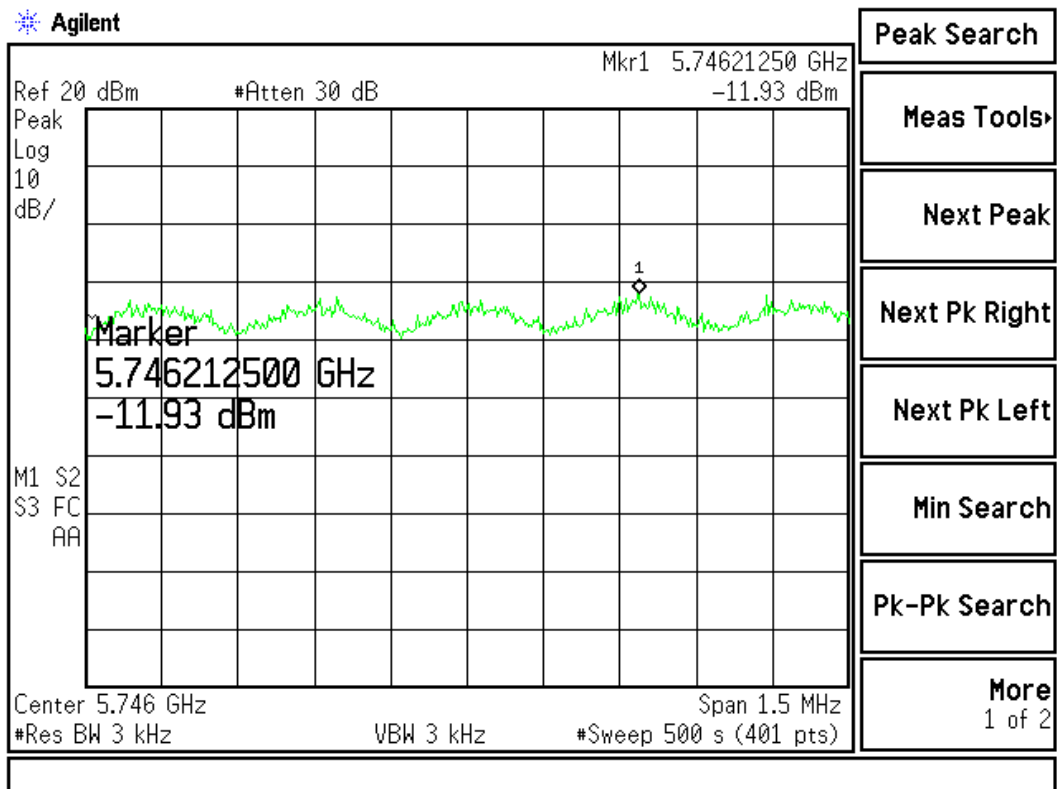
Figure Channel 11:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5745MHz)

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

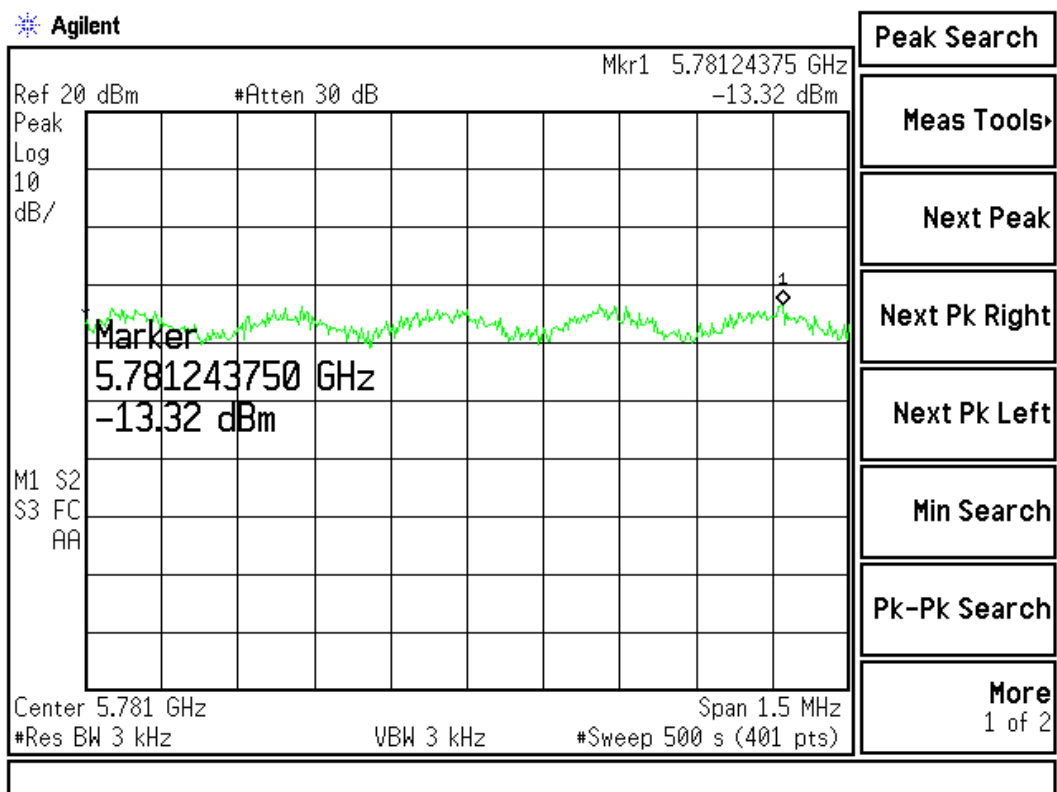
Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5785MHz)

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

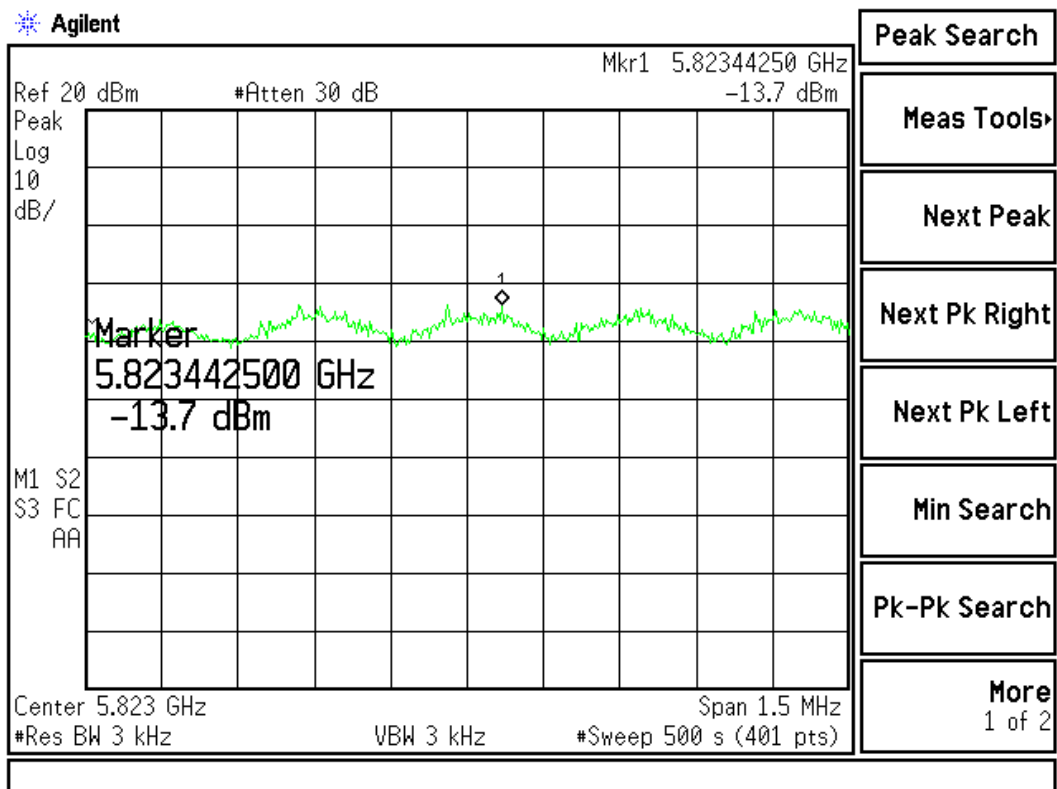
Figure Channel 6:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11a 6Mbps) (5825MHz)

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

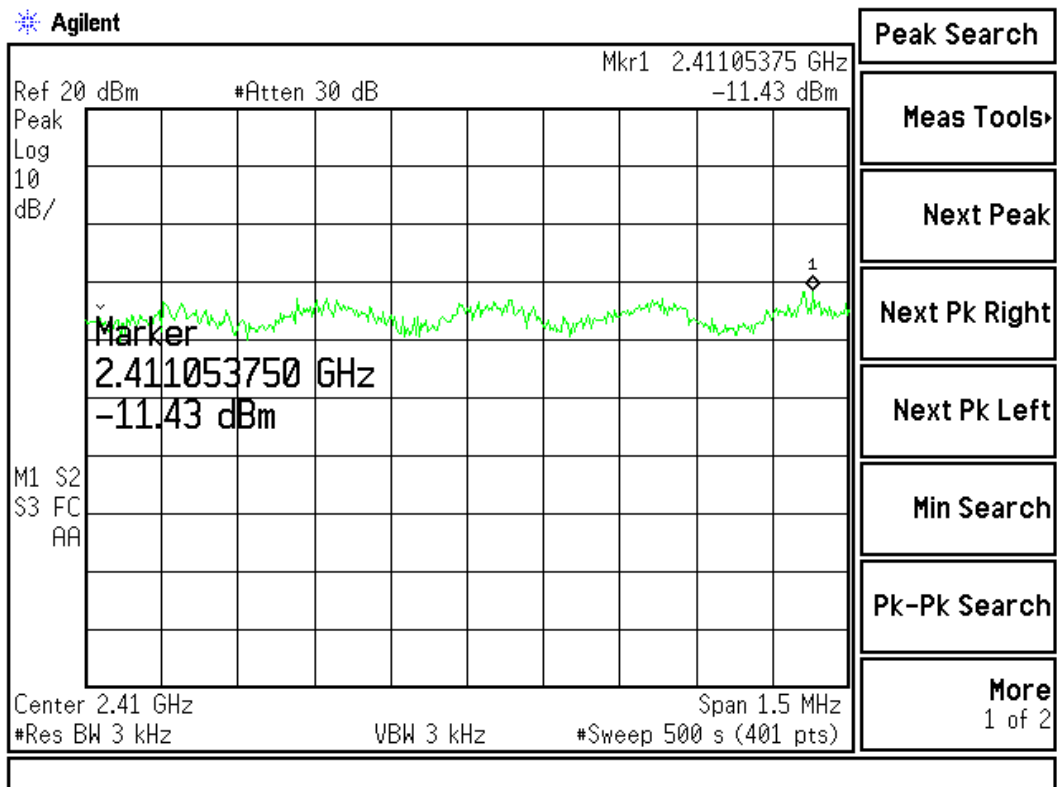
Figure Channel 11:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

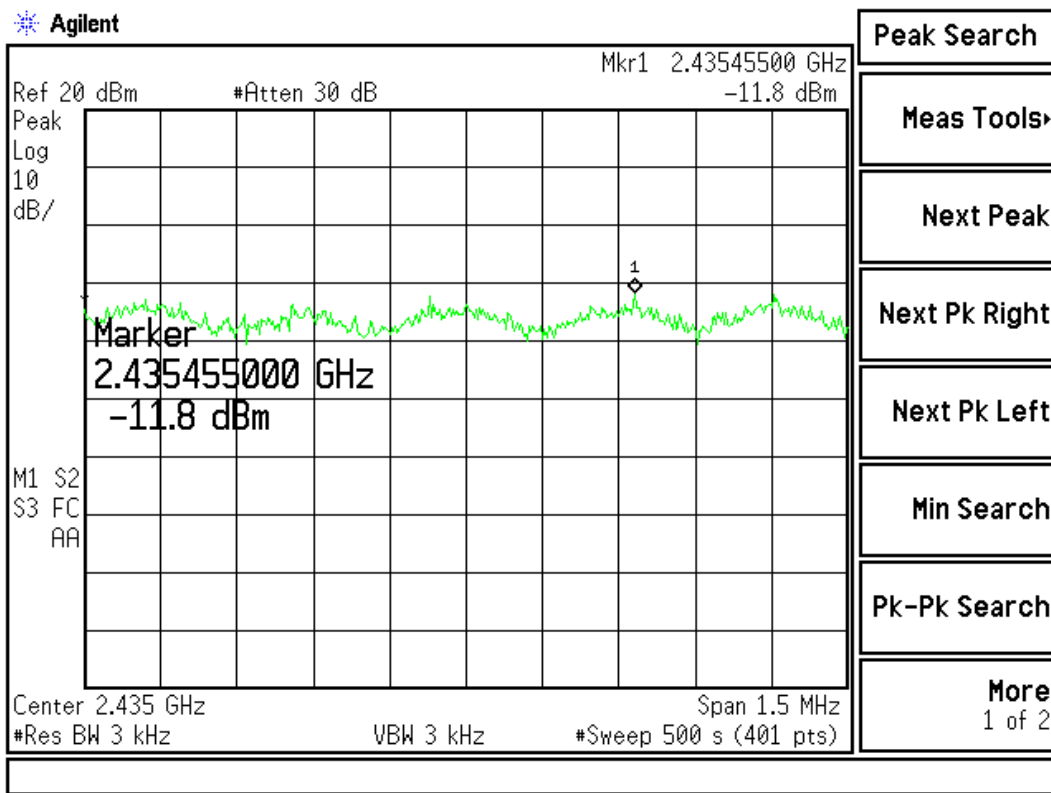
Ant A-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 4: Transmit (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

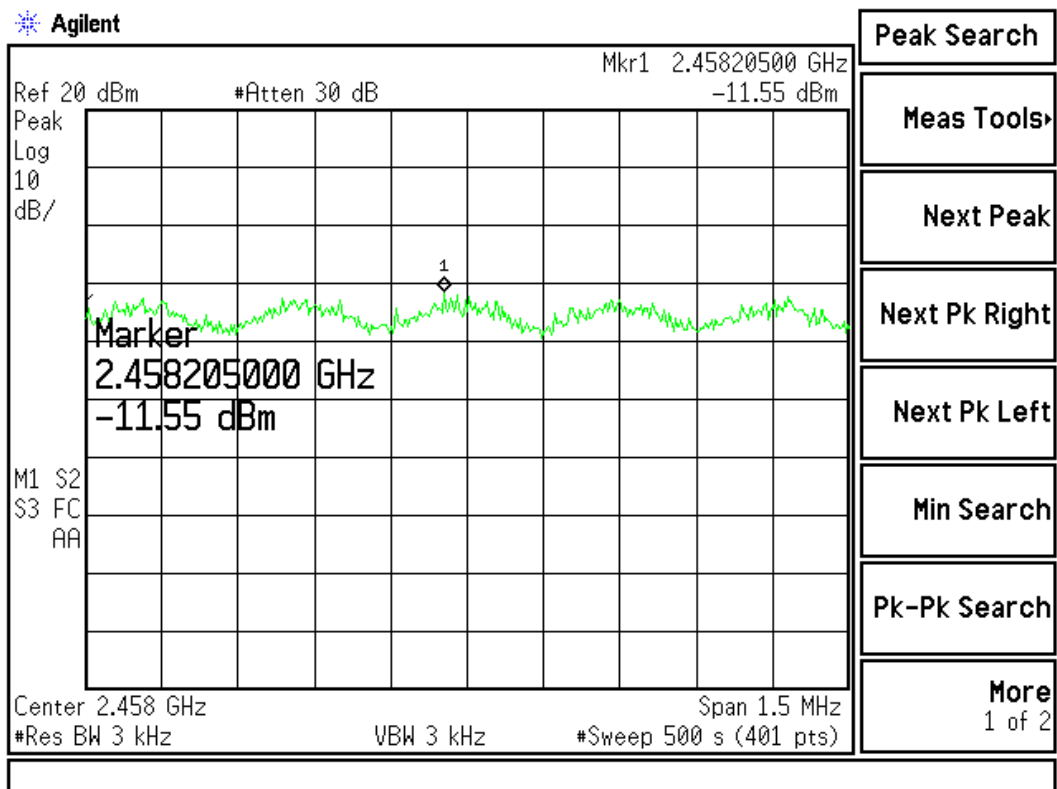
Ant A-Figure Channel 6:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

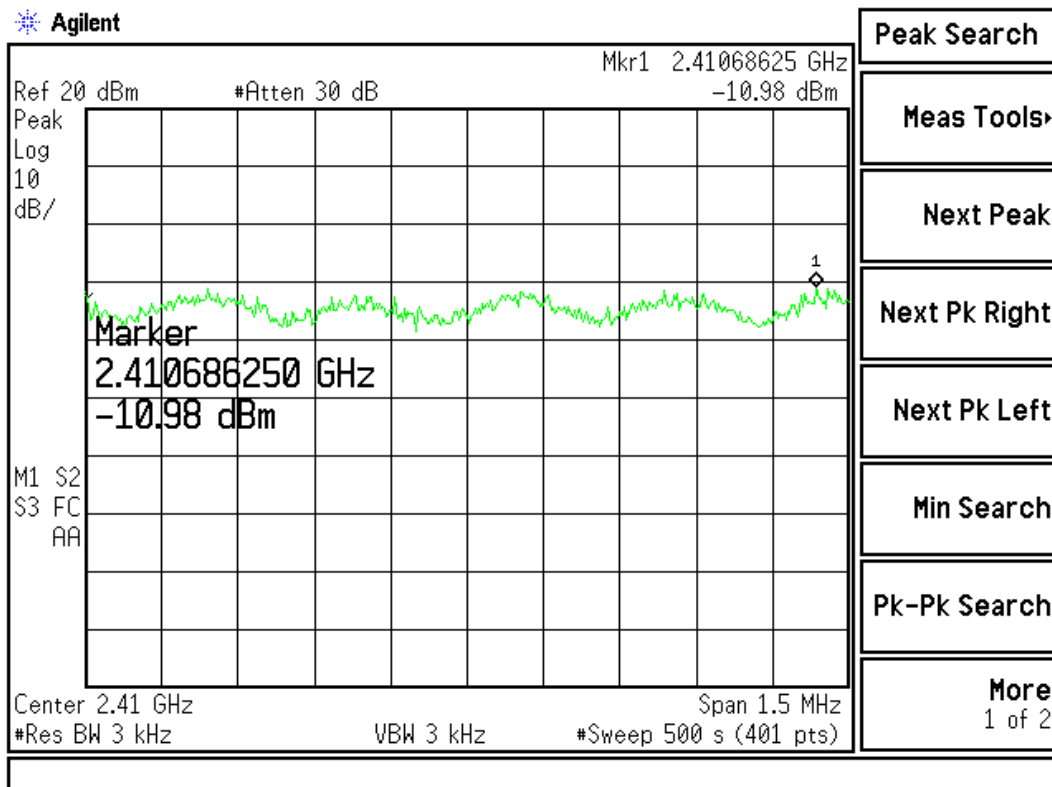
Ant A-Figure Channel 11:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

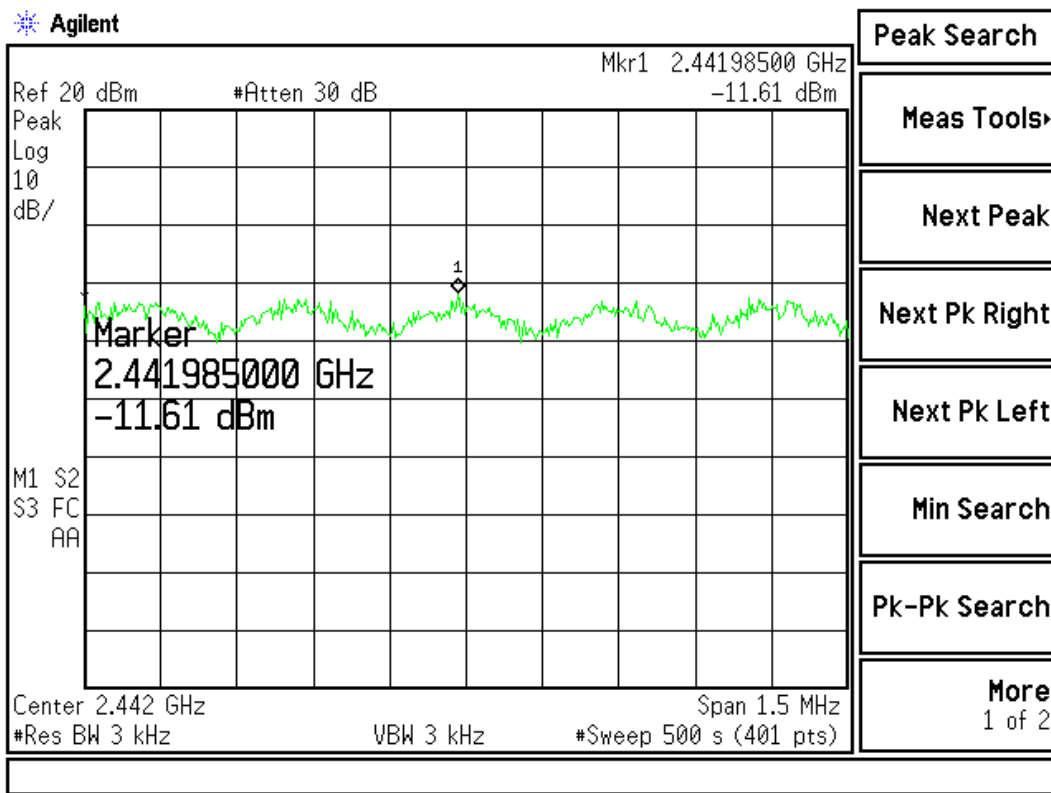
Ant B-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 4: Transmit (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

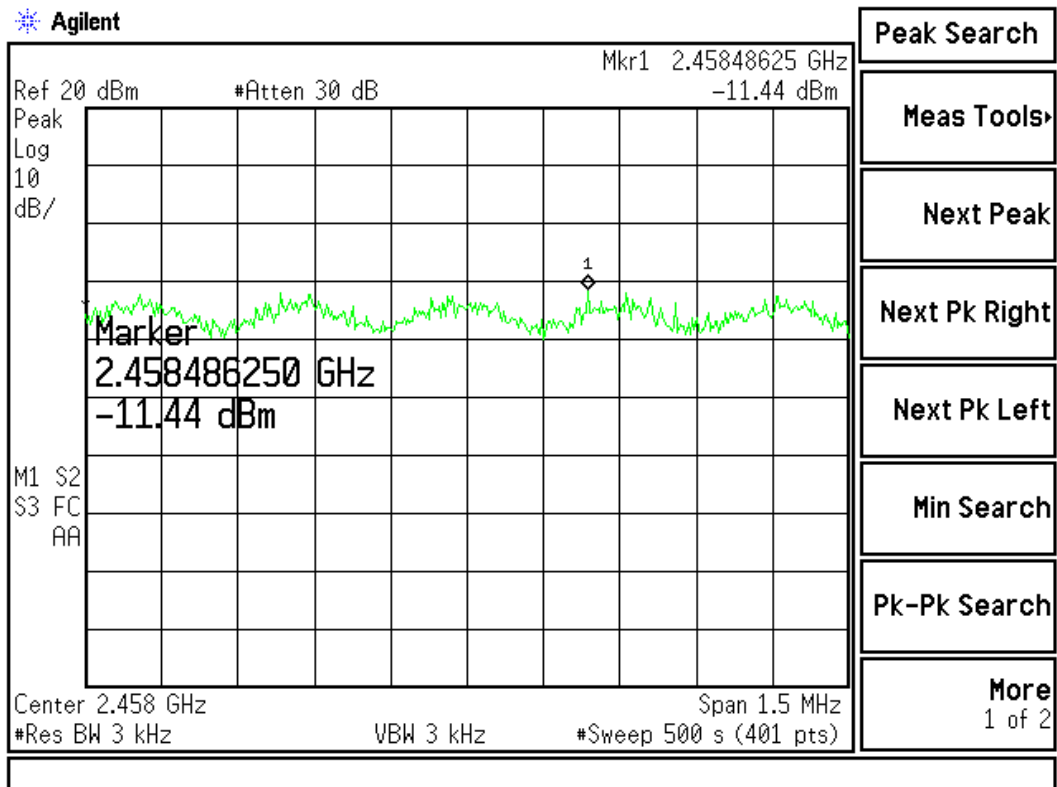
Ant B-Figure Channel 6:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (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

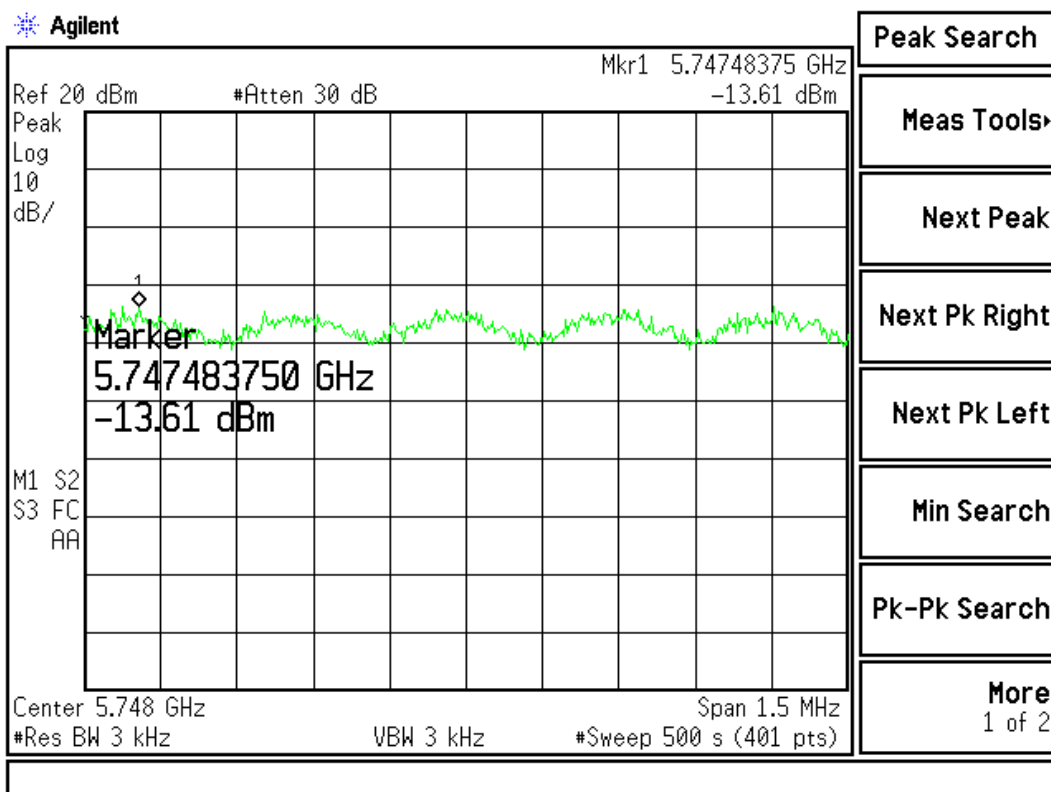
Ant B-Figure Channel 11:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

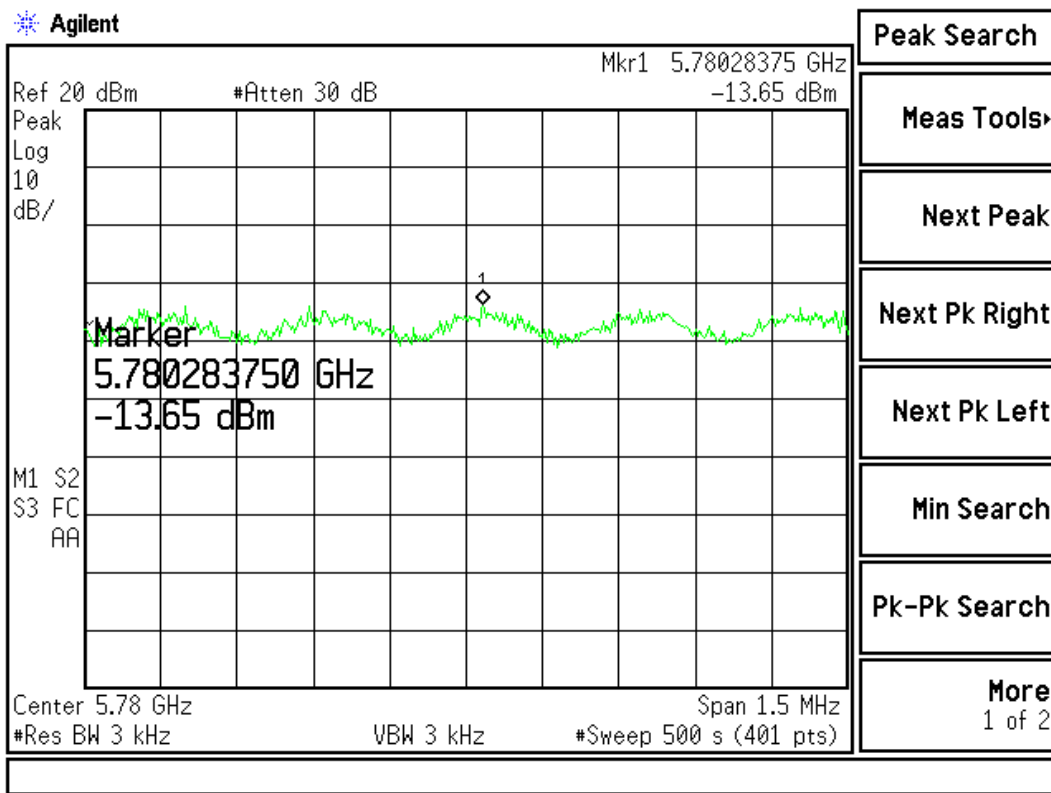
Ant A-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 5: Transmit (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

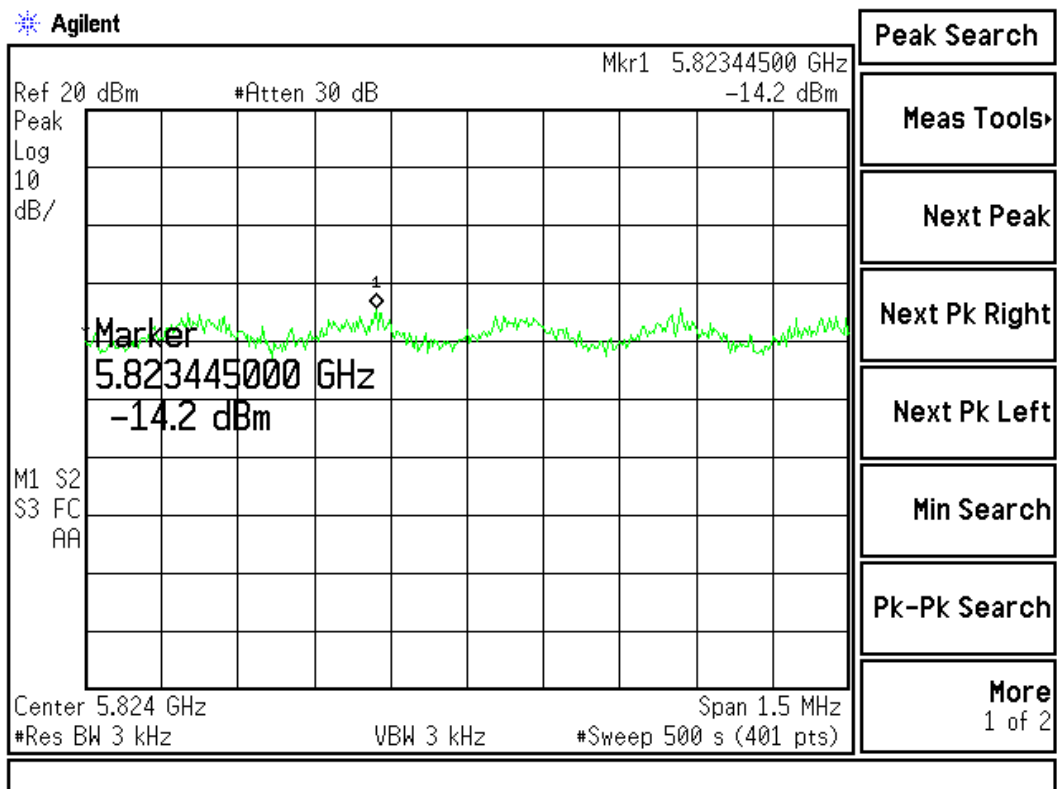
Ant A-Figure Channel 3:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

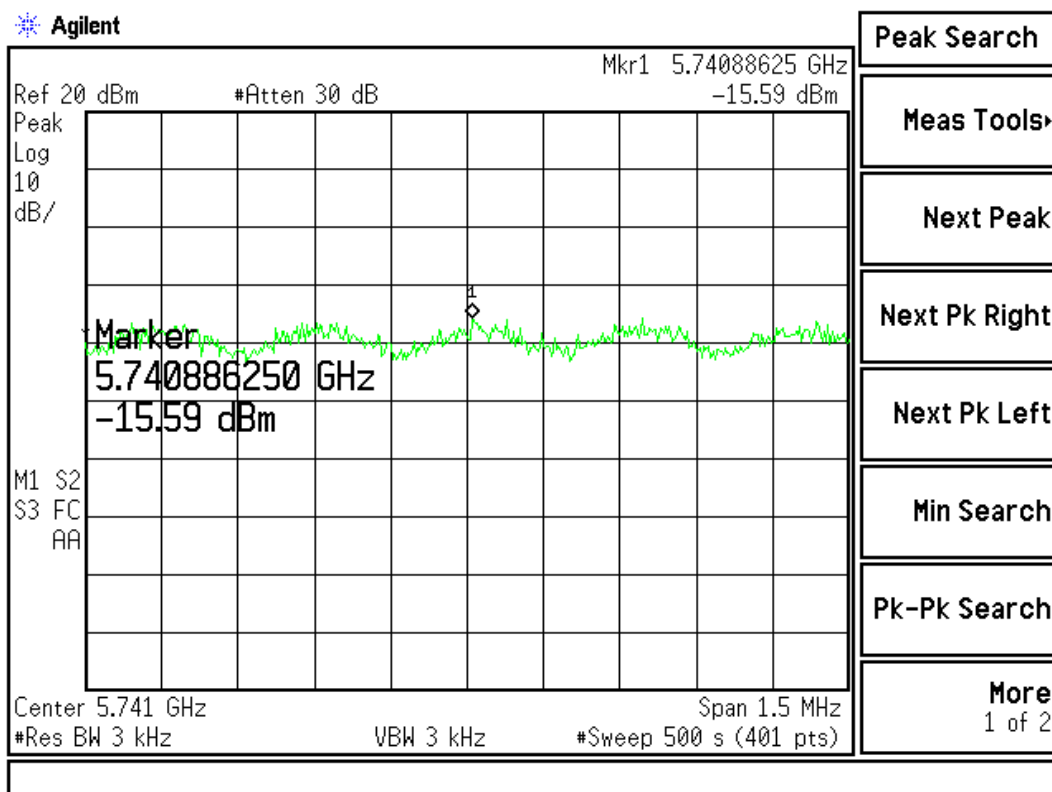
Ant A-Figure Channel 5:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

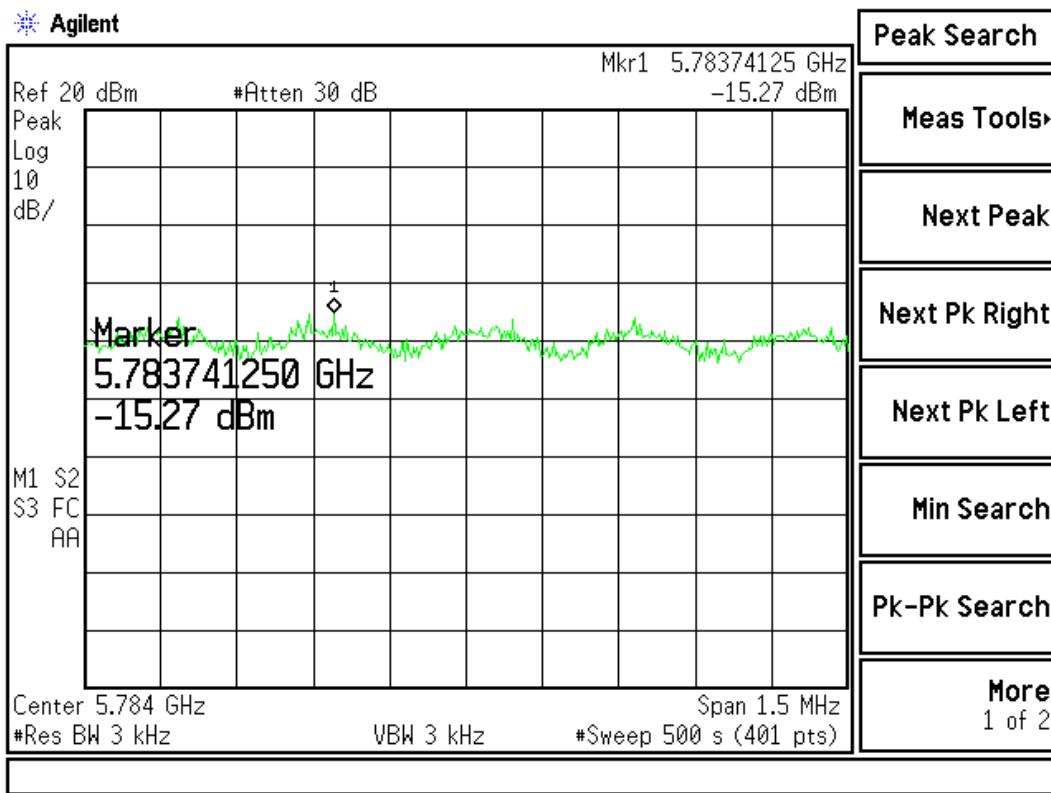
Ant B-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 5: Transmit (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

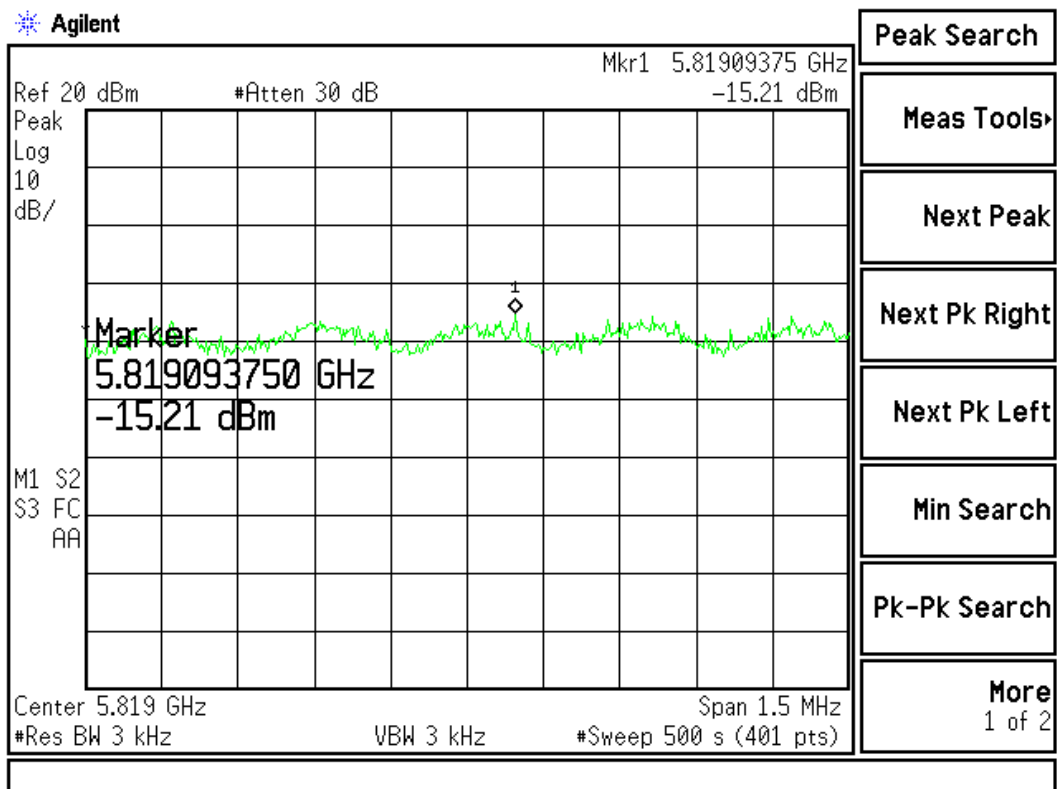
Ant B-Figure Channel 3:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (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

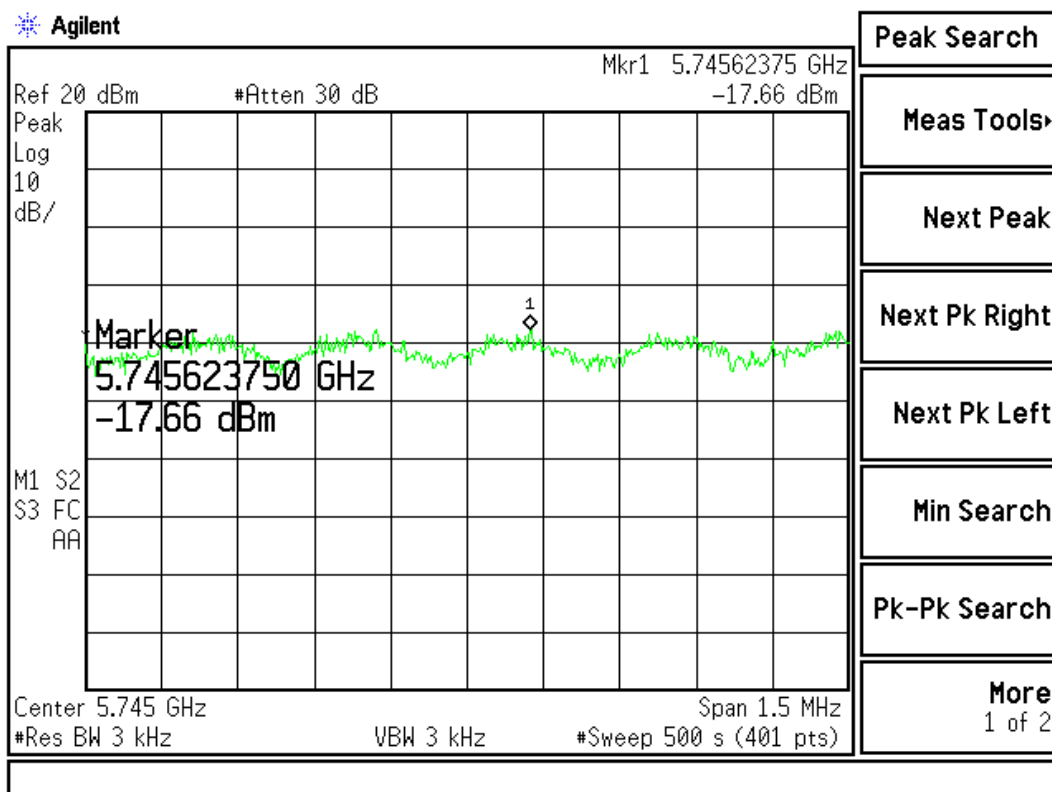
Ant B-Figure Channel 5:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (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

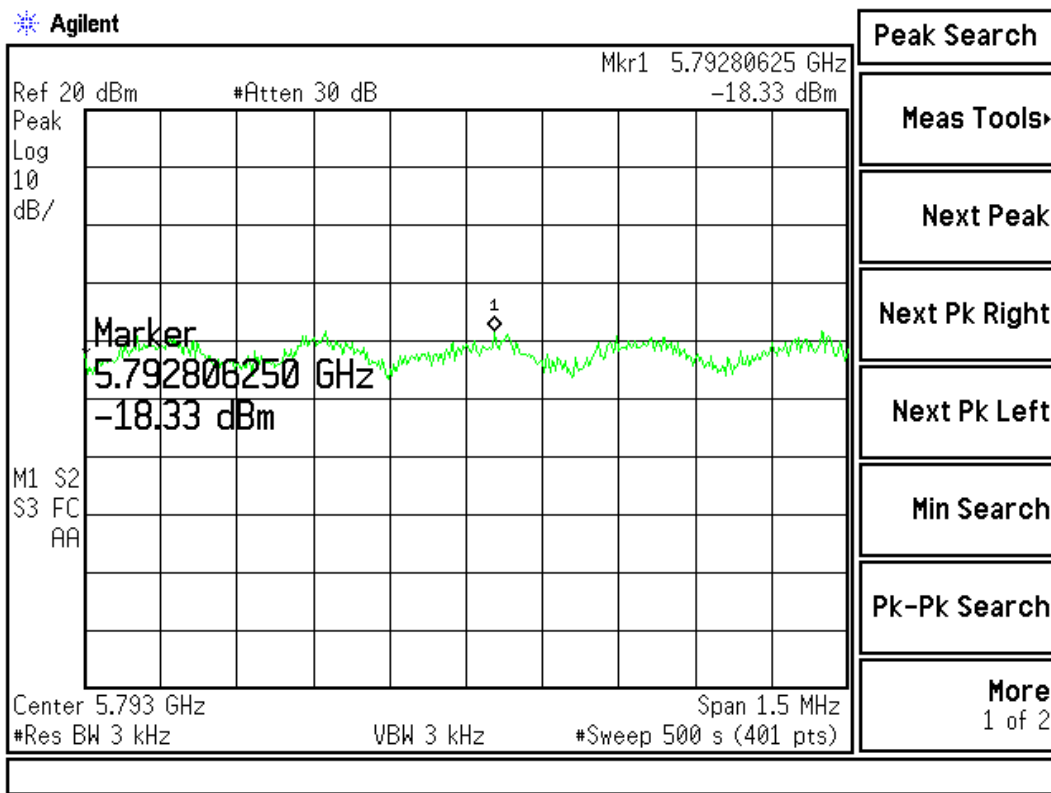
Ant A-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 6: Transmit (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

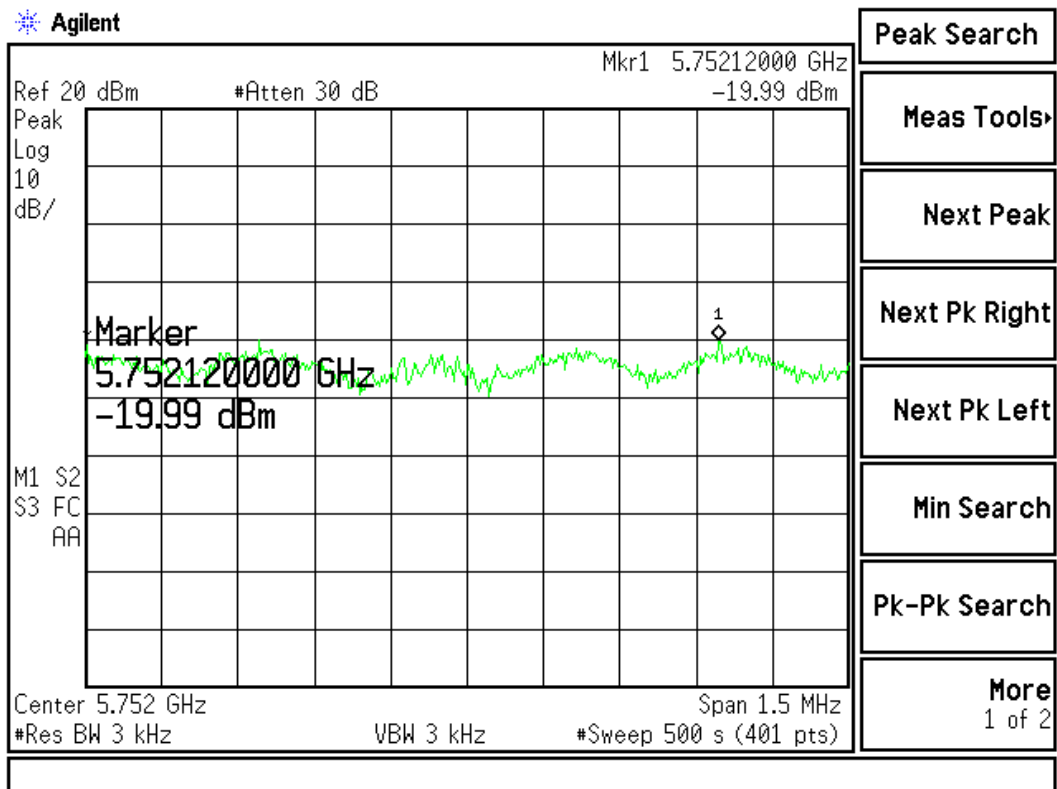
Ant A-Figure Channel 2:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (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

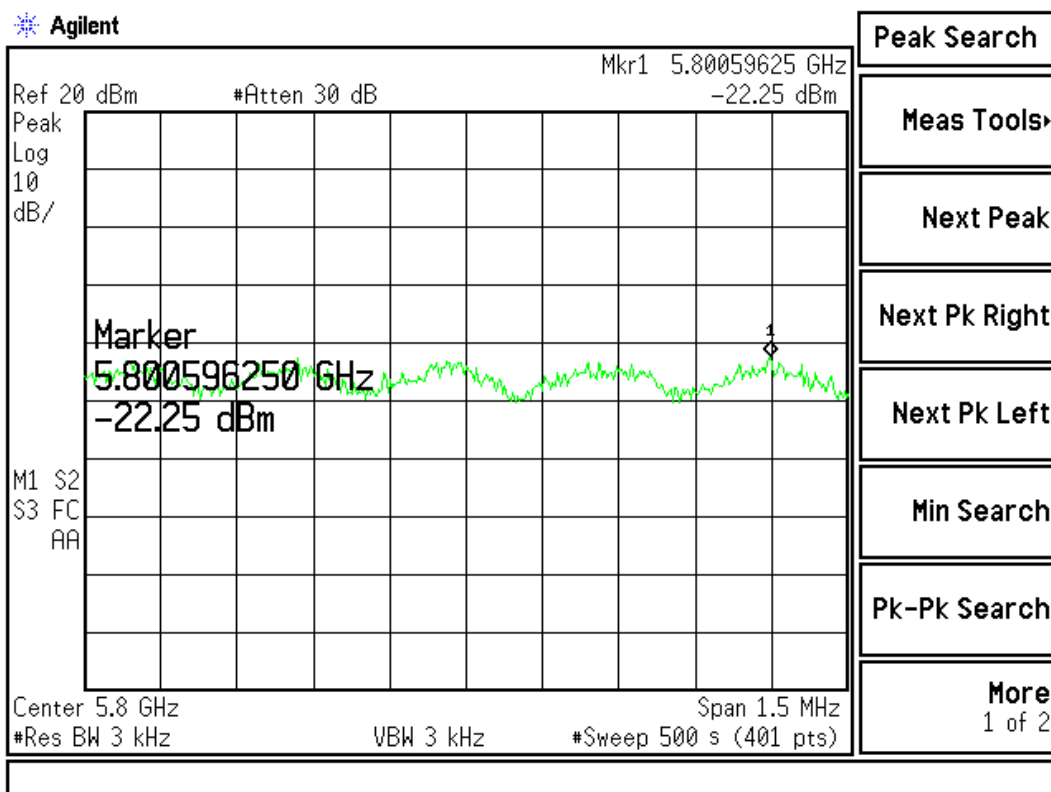
Ant B-Figure Channel 1:



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 6: Transmit (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.