



Test Report

Product Name	Tablet PC MC-C5 / MC-F5
Model No	CFT-003
FCC ID	Q3QIHW622ANH
Transmitter Module	Intel / 622ANHMW

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

Date of Receipt	Jan. 20, 2010
Issued Date	July 17, 2009
Report No.	101358R-RFUSP46V01
Report Version	V1.0

The test results relate only to the samples tested.


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

Test Report Certification

Issued Date: July 17, 2009

Report No.: 101358R-RFUSP46V01



Product Name	Tablet PC MC-C5 / MC-F5	
Applicant	Motion Computing Incorporated.	
Address	8601 Ranch Road 2222; Building #2 Austin, Texas 78730 USA	
Manufacturer	Motion Computing Incorporated.	
Model No.	CFT-003	
FCC ID.	Q3QIHW622ANH	
EUT Rated Voltage	AC 100-240V, 50-60Hz	
EUT Test Voltage	AC 120V/60Hz	
Trade Name	Motion Computing Incorporated.	
Applicable Standard	FCC CFR Title 47 Part 15 Subpart E: 2009 ANSI C63.4: 2003	 NVLAP Lab Code: 200533-0
Test Result	Complied	

The Test Results relate only to the samples tested.

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Approved By : Vincent Lin
(Manager / Vincent Lin)



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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.
FCC ID.	Q3QIHW622ANH
Model No.	CFT-003
Frequency Range	5180-5320MHz, 5500-5700MHz
Number of Channels	802.11a/n-20MHz: 19; 802.11n-40MHz: 9
Data Rate	802.11a: 6 - 54Mbps 802.11n: 6.5-300Mbps
Channel Control	Auto
Type of Modulation	802.11a/n:OFDM, BPSK, QPSK, 16QAM, 64QAM
Antenna type	PIFA
Antenna Gain	Refer to the table "Antenna List"
Power Adapter	MFR: DELTA, M/N: SADP-65NB BB Input: AC 100-240V, 50-60Hz, 1.5A Output: DC 19V, 3.42A Cable out: Shielded, 1.8m, with one ferrite core bonded. Power Cord: Non-Shielded, 1.5m

Antenna List

No.	Manufacturer	Part No.	Peak Gain
1	YAEGO	CAN43130WWPE01441	-0.07dBi in 2.4GHz 1.85dBi in 5GHz

Note: The antenna of EUT is conform to FCC 15.203

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 36:	5180 MHz	Channel 40:	5200 MHz	Channel 44:	5220 MHz	Channel 48:	5240 MHz
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 120:	5600 MHz	Channel 124:	5620 MHz	Channel 128:	5640 MHz
Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz		

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 38:	5190 MHz	Channel 46:	5230 MHz	Channel 54:	5270 MHz	Channel 62:	5310 MHz
Channel 102:	5510 MHz	Channel 110:	5550 MHz	Channel 118:	5590 MHz	Channel 126:	5630 MHz
Channel 134:	5670 MHz						

Note:

1. This device is a Tablet PC MC-C5 / MC-F5 with a built-in WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11a is 6Mbps, 802.11n-20BW is 13Mbps and 802.11n-40BW are 27Mbps)
3. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.
4. The device has included RFID module card and Bluetooth module. The module placement and antenna placement please review internal photo of this report. The Bluetooth antenna is separation > 5cm to RFID antenna and WLAN antenna. The RFID antenna distance to WLAN antenna is 12cm and no co-location requirement.

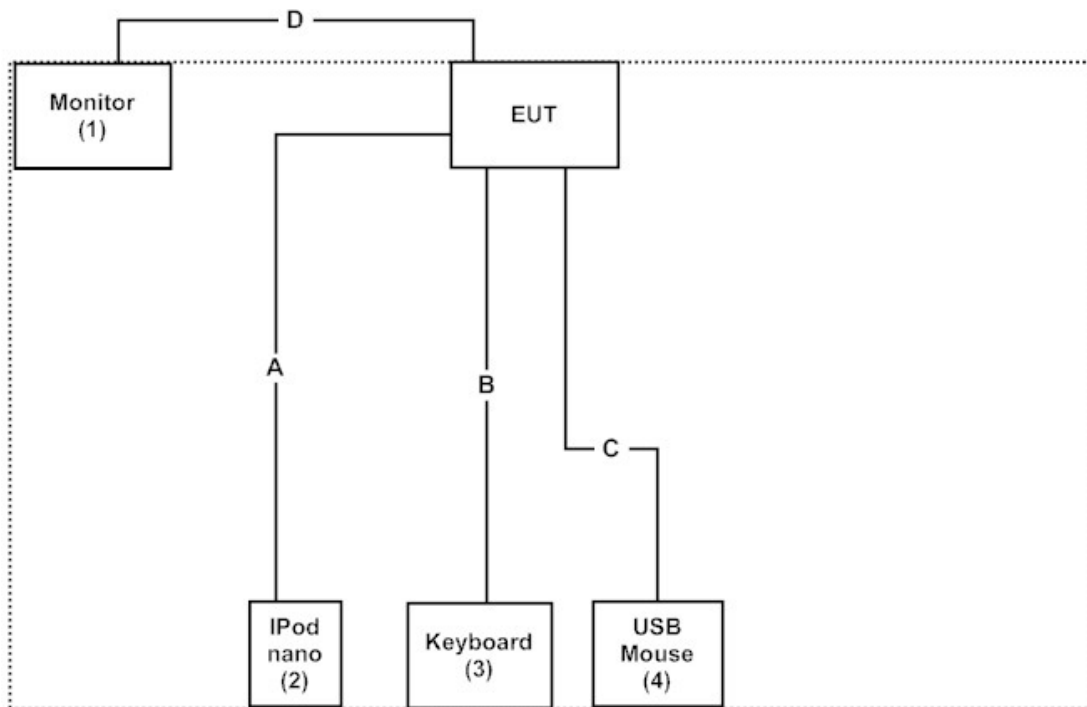
1.3. Tested System Details

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)	Monitor	Dell	2407WFPb	CN-0FC255-46633-638-1MDS	Non-Shielded, 1.8m
(2)	iPod nano	Apple	A1199	5U72894NVQ5	N/A
(3)	Keyboard	DELL	SK-8115	MY-0DJ325-71619-6A3-1914	N/A
(4)	USB Mouse	DELL	M056U0A	FOY01YEG	N/A

Signal Cable Type	Signal cable Description
A	USB Cable Shielded, 1.2m
B	USB Cable Shielded, 1.2m
C	USB Cable Shielded, 1.8m
D	VGA Cable Shielded, 1.8m, with two ferrite cores bonded.

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/tw/emc/accreditations/accreditations.htm>
 The address and introduction of Quietek Corporation's laboratories can be founded in our Web site : <http://www.quietek.com/>

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



Accreditation on NVLAP
 NVLAP Lab Code: 200533-0



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FCC Accreditation Number: TW1014



2. Conducted Emission

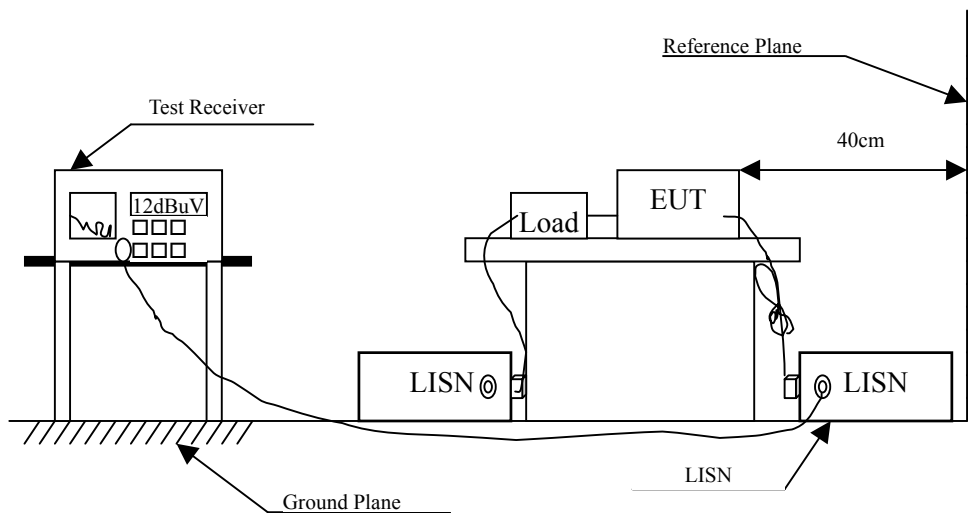
2.1. Test Equipment

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

Item	Instrument	Manufacturer	Type No./Serial No	Last Cal.	Remark
1	Test Receiver	R & S	ESCS 30/825442/17	May, 2009	
2	L.I.S.N.	R & S	ESH3-Z5/825016/6	May, 2009	EUT
3	L.I.S.N.	Kyoritsu	KNW-407/8-1420-3	May, 2009	Peripherals
4	Pulse Limiter	R & S	ESH3-Z2	May, 2009	
5	No.1 Shielded Room			N/A	

Note: All equipments are calibrated every one year.

2.2. Test Setup



2.3. Limits

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

Remarks : In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

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

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

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

The EUT was setup to ANSI C63.4, 2003; tested to DTS test procedure of Aug 2002 DA 02-2138 for compliance to FCC 47CFR Subpart E requirements.

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 3: Transmitter (802.11n-40BW 27Mbps) (5190MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 1					
Quasi-Peak					
0.166	9.790	25.550	35.340	-30.203	65.543
0.185	9.790	35.650	45.440	-19.560	65.000
0.201	9.790	35.670	45.460	-19.083	64.543
2.365	9.810	28.970	38.780	-17.220	56.000
7.845	9.860	21.070	30.930	-29.070	60.000
25.068	10.140	29.690	39.830	-20.170	60.000
Average					
0.166	9.790	-2.200	7.590	-47.953	55.543
0.185	9.790	7.280	17.070	-37.930	55.000
0.201	9.790	7.580	17.370	-37.173	54.543
2.365	9.810	18.880	28.690	-17.310	46.000
7.845	9.860	14.700	24.560	-25.440	50.000
25.068	10.140	24.240	34.380	-15.620	50.000

Note:

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

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmitter (802.11n-40BW 27Mbps) (5190MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 2					
Quasi-Peak					
0.193	9.780	36.330	46.110	-18.661	64.771
0.209	9.780	25.530	35.310	-29.004	64.314
0.248	9.780	26.430	36.210	-26.990	63.200
2.630	9.810	28.070	37.880	-18.120	56.000
9.033	9.890	20.410	30.300	-29.700	60.000
25.037	10.290	29.590	39.880	-20.120	60.000
Average					
0.193	9.780	30.120	39.900	-14.871	54.771
0.209	9.780	11.480	21.260	-33.054	54.314
0.248	9.780	10.610	20.390	-32.810	53.200
2.630	9.810	18.690	28.500	-17.500	46.000
9.033	9.890	13.170	23.060	-26.940	50.000
25.037	10.290	25.210	35.500	-14.500	50.000

Note:

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

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 3: Transmitter (802.11n-40BW 27Mbps) (5270MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 1					
Quasi-Peak					
0.185	9.790	35.730	45.520	-19.480	65.000
0.201	9.790	35.690	45.480	-19.063	64.543
0.259	9.790	26.450	36.240	-26.646	62.886
2.826	9.810	28.030	37.840	-18.160	56.000
8.412	9.860	21.190	31.050	-28.950	60.000
25.404	10.140	29.350	39.490	-20.510	60.000
Average					
0.185	9.790	4.340	14.130	-40.870	55.000
0.201	9.790	7.150	16.940	-37.603	54.543
0.259	9.790	5.750	15.540	-37.346	52.886
2.826	9.810	19.190	29.000	-17.000	46.000
8.412	9.860	14.900	24.760	-25.240	50.000
25.404	10.140	23.810	33.950	-16.050	50.000

Note:

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

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmitter (802.11n-40BW 27Mbps) (5270MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 2					
Quasi-Peak					
0.162	9.780	36.570	46.350	-19.307	65.657
0.177	9.780	35.450	45.230	-19.999	65.229
0.197	9.780	34.830	44.610	-20.047	64.657
2.806	9.810	25.690	35.500	-20.500	56.000
7.705	9.870	19.830	29.700	-30.300	60.000
25.459	10.290	27.810	38.100	-21.900	60.000
Average					
0.162	9.780	2.010	11.790	-43.867	55.657
0.177	9.780	3.540	13.320	-41.909	55.229
0.197	9.780	4.080	13.860	-40.797	54.657
2.806	9.810	18.690	28.500	-17.500	46.000
7.705	9.870	13.710	23.580	-26.420	50.000
25.459	10.290	22.400	32.690	-17.310	50.000

Note:

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

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 3: Transmitter (802.11n-40BW 27Mbps) (5590MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 1					
Quasi-Peak					
0.166	9.790	35.550	45.340	-20.203	65.543
0.181	9.790	36.010	45.800	-19.314	65.114
0.216	9.790	27.710	37.500	-26.614	64.114
2.502	9.810	27.070	36.880	-19.120	56.000
8.677	9.870	20.390	30.260	-29.740	60.000
26.072	10.140	25.830	35.970	-24.030	60.000
Average					
0.166	9.790	3.540	13.330	-42.213	55.543
0.181	9.790	10.100	19.890	-35.224	55.114
0.216	9.790	2.230	12.020	-42.094	54.114
2.502	9.810	19.730	29.540	-16.460	46.000
8.677	9.870	15.100	24.970	-25.030	50.000
26.072	10.140	20.920	31.060	-18.940	50.000

Note:

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

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 3: Transmitter (802.11n-40BW 27Mbps) (5590MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
LINE 2					
Quasi-Peak					
0.154	9.782	36.450	46.232	-19.654	65.886
0.173	9.780	34.110	43.890	-21.453	65.343
0.189	9.780	34.650	44.430	-20.456	64.886
0.244	9.780	25.910	35.690	-27.624	63.314
2.529	9.810	25.870	35.680	-20.320	56.000
25.099	10.290	28.350	38.640	-21.360	60.000
Average					
0.154	9.782	26.530	36.312	-19.574	55.886
0.173	9.780	21.120	30.900	-24.443	55.343
0.189	9.780	27.810	37.590	-17.296	54.886
0.244	9.780	15.990	25.770	-27.544	53.314
2.529	9.810	18.820	28.630	-17.370	46.000
25.099	10.290	22.650	32.940	-17.060	50.000

Note:

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

3. Peak Transmit Power

3.1. Test Equipment

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

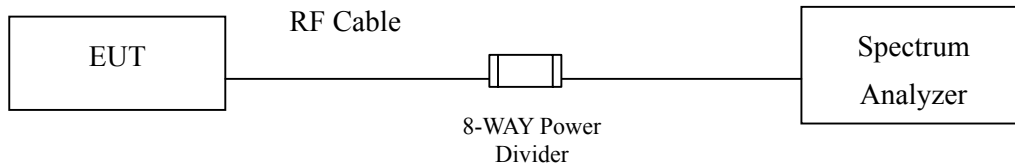
	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2009
X	Power Sensor	Anritsu	MA2411B/0738448	Jun, 2009
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2010
X	8-WAY Power Divider	JFW	50PD-647 / 526770 0916	Apr., 2010

Note:

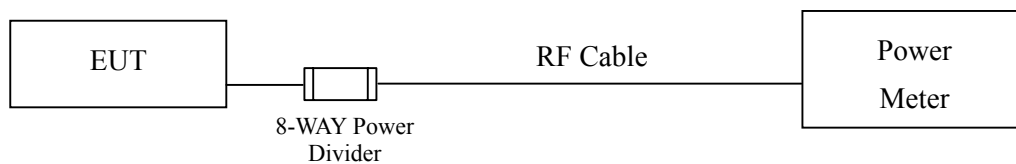
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

3.2. Test Setup

26dBc Occupied Bandwidth



Conduction Power Measurement



3.3. Limits

- (1) For the band 5.15-5.25 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 50 mW or $4 \text{ dBm} + 10\log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (2) For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10\log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (3) For the band 5.725-5.825 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W or $17 \text{ dBm} + 10\log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

3.4. Test Procedur

As an alternative to DA 02-2138, the EUT peak power was measured with a peak power meter employing a video bandwidth greater than 6dB BW of the emission under test. Peak output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of DA 02-2138, and provides more accurate measurements.

3.5. Uncertainty

$\pm 1.27 \text{ dB}$

3.6. Test Result of Peak Transmit Power

Product : Tablet PC MC-C5 / MC-F5
 Test Item : Peak Transmit Power
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmitter (802.11a-6Mbps)

Cable loss=1dB		Peak Power Output									Required Limit
Channel No.	Frequency (MHz)	Data Rate (Mbps)									
		6	9	12	18	24	36	48	54		
		Measurement Level (dBm)									
36	5180	15.68	--	--	--	--	--	--	--	--	<17dBm
44	5220	15.9	--	--	--	--	--	--	--	--	<17dBm
48	5240	15.79	--	--	--	--	--	--	--	--	<17dBm
52	5260	15.79	--	--	--	--	--	--	--	--	<24dBm
60	5300	16.49	16.33	16.2	16.21	16.15	16.33	15.85	16.27		<24dBm
64	5320	16.24	--	--	--	--	--	--	--	--	<24dBm
100	5500	16.33	--	--	--	--	--	--	--	--	<24dBm
120	5600	16.45	16.3	16.4	16.22	16.29	16.37	16.15	16.02		<24dBm
140	5700	16.21	--	--	--	--	--	--	--	--	<24dBm

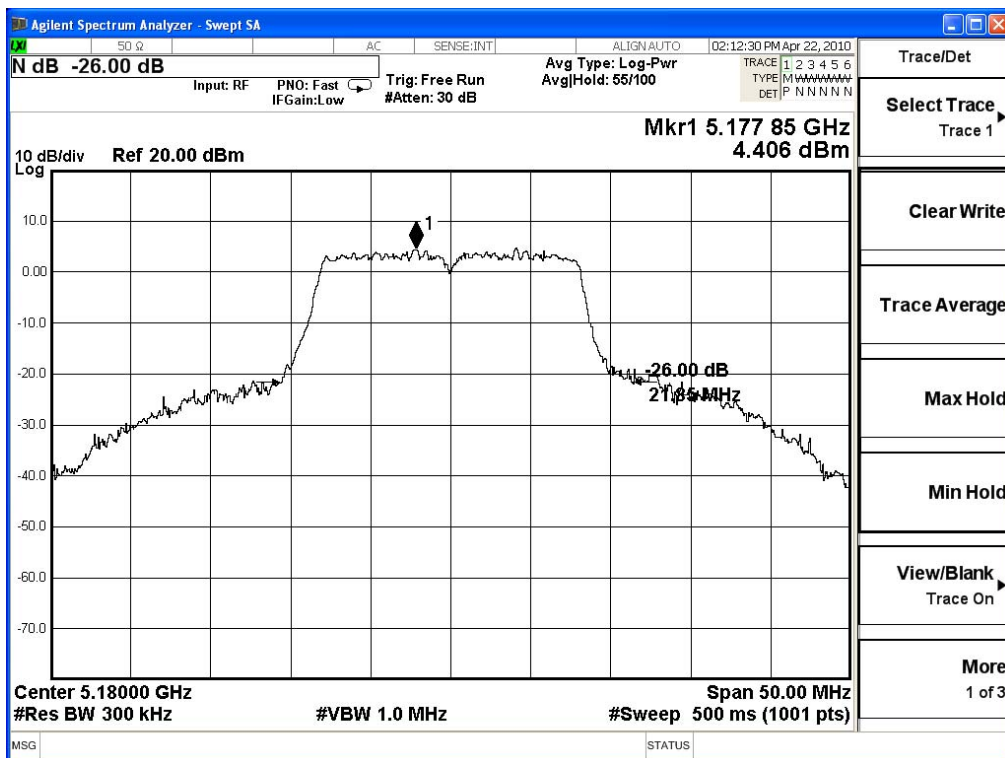
Note: Peak Power Output Value = Reading value on peak power meter + cable loss

Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	21.85	15.68	17	17.39	Pass

26dBc Occupied Bandwidth:

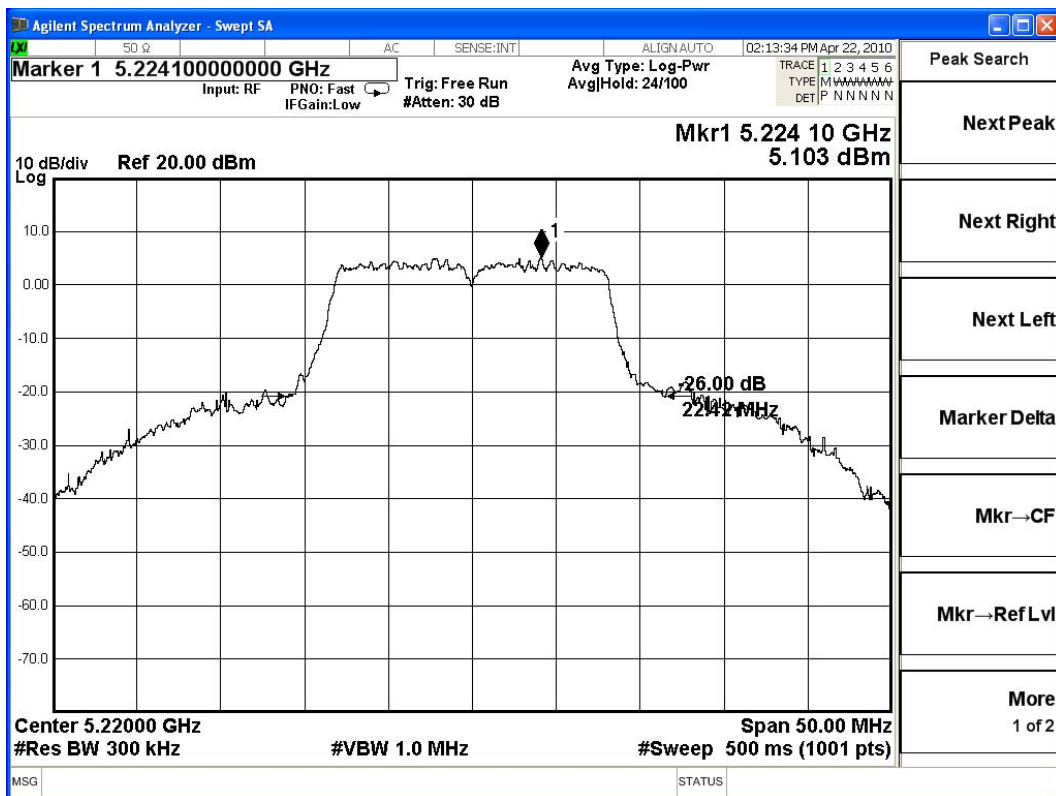
Channel 36



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
44	5220	22.42	15.9	17	17.51	Pass

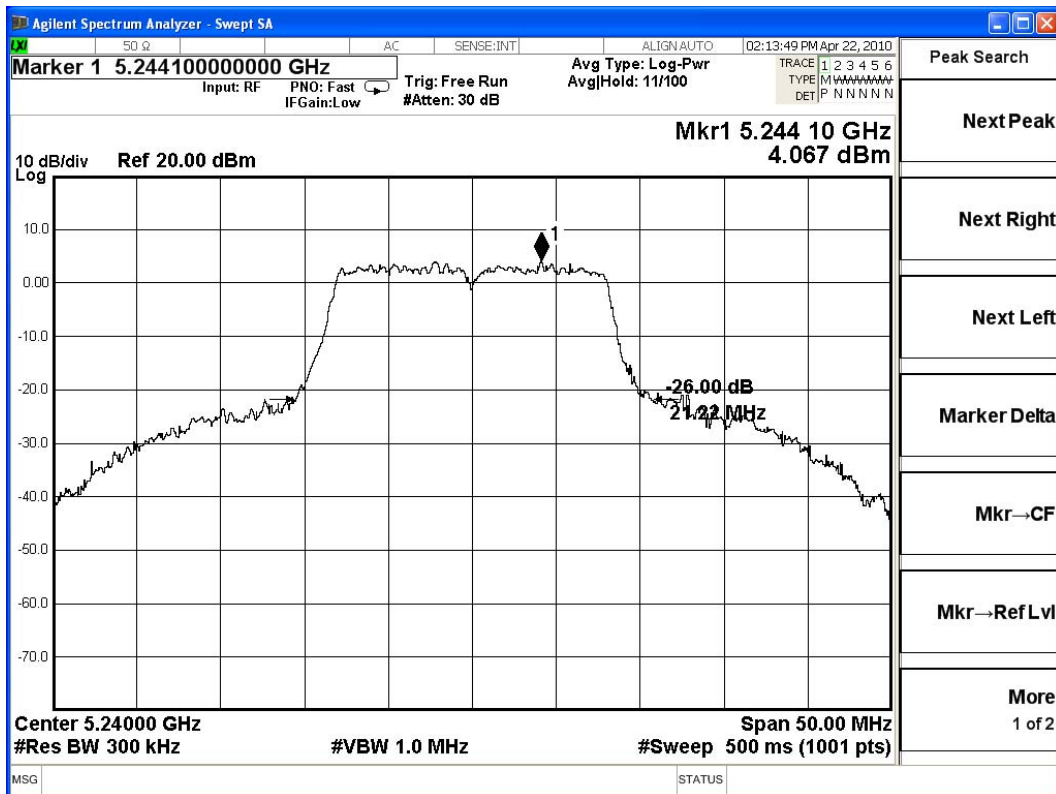
**26dBc Occupied Bandwidth:
Channel 40**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
48	5240	21.22	15.79	17	17.27	Pass

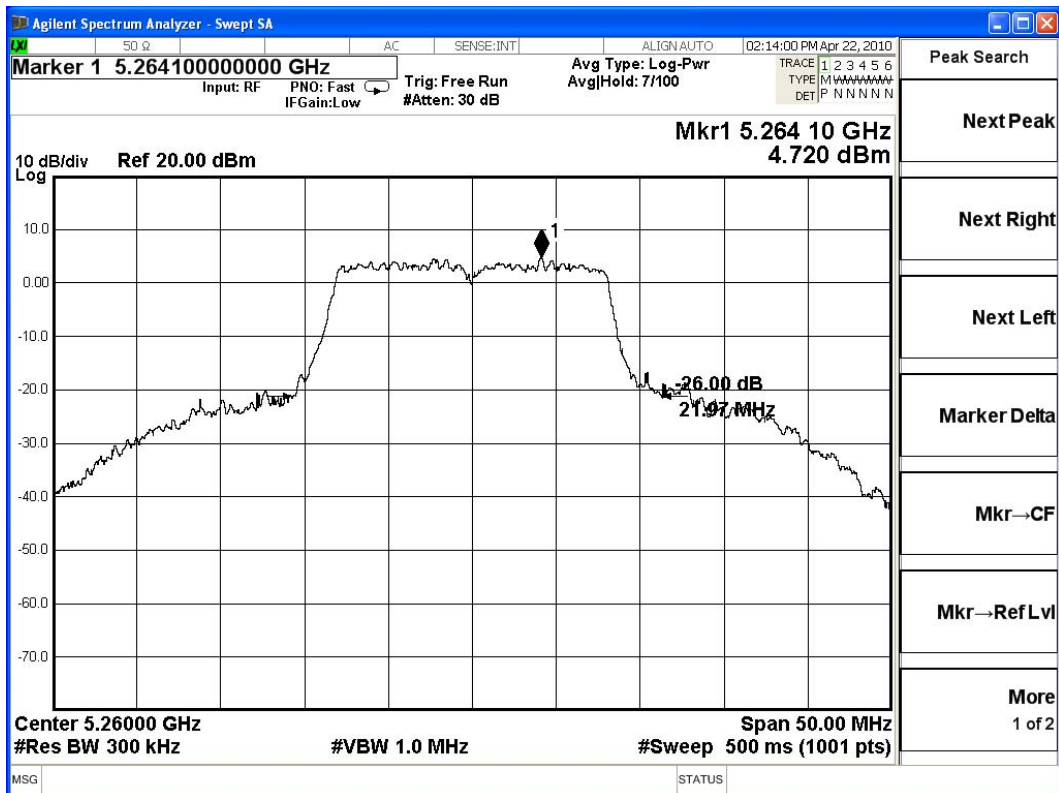
**26dBc Occupied Bandwidth:
Channel 48**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
52	5260	21.97	15.79	24	24.42	Pass

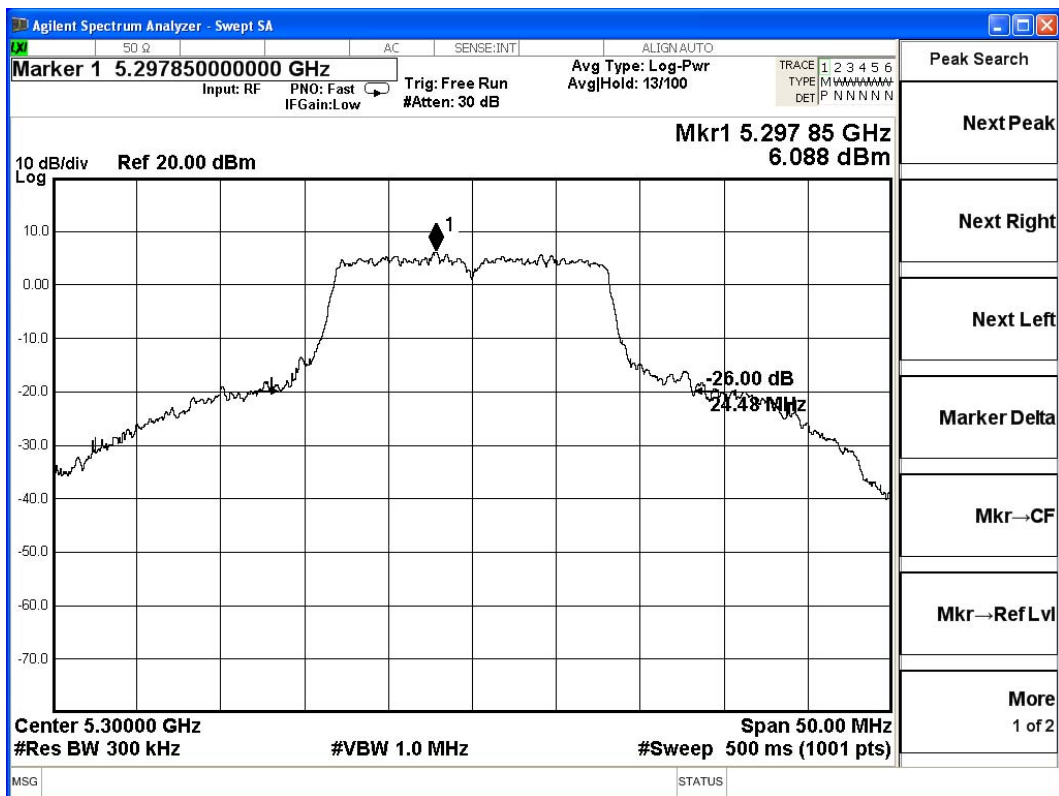
**26dBc Occupied Bandwidth:
Channel 52**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
60	5300	24.48	16.49	24	24.89	Pass

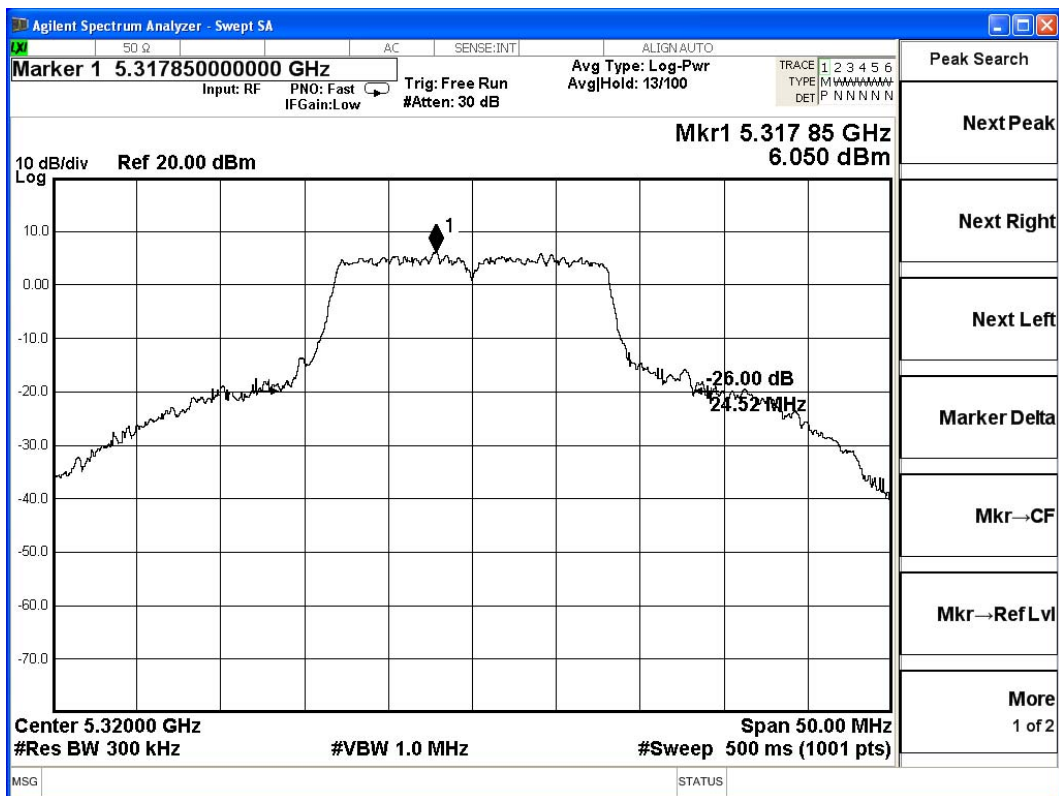
**26dBc Occupied Bandwidth:
Channel 60**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
64	5320	16.24	24	24.90	24.52	Pass

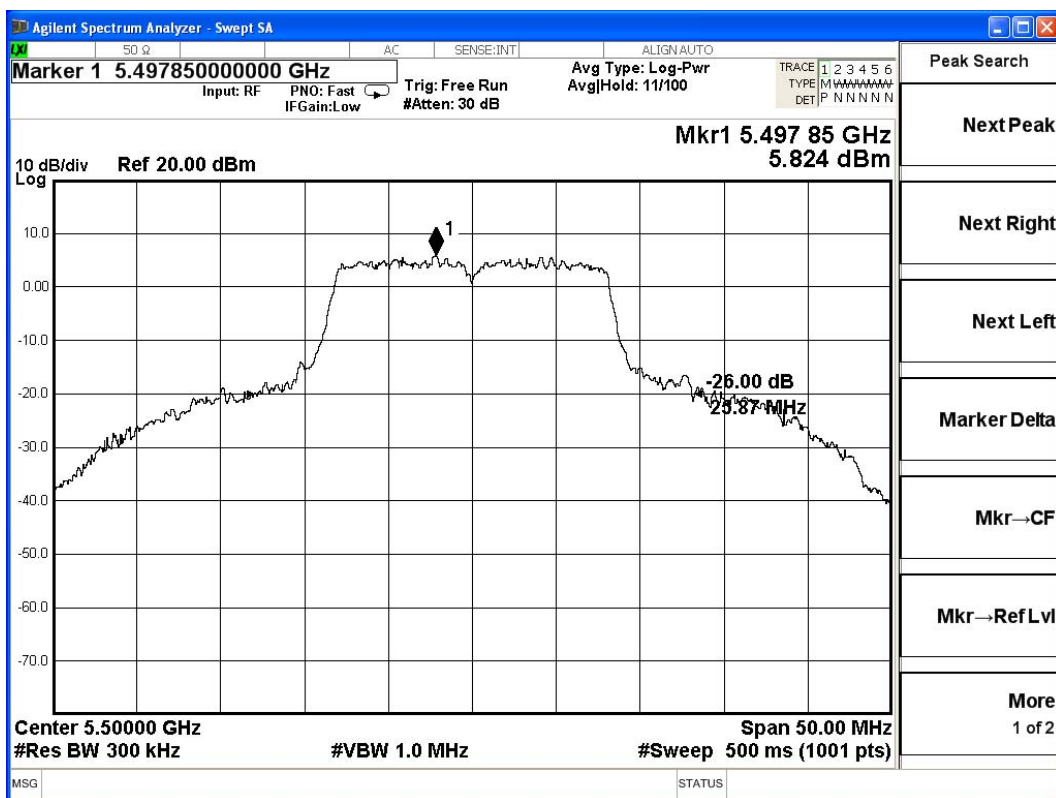
**26dBc Occupied Bandwidth:
Channel 64**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
100	5500	25.87	16.33	24	25.13	Pass

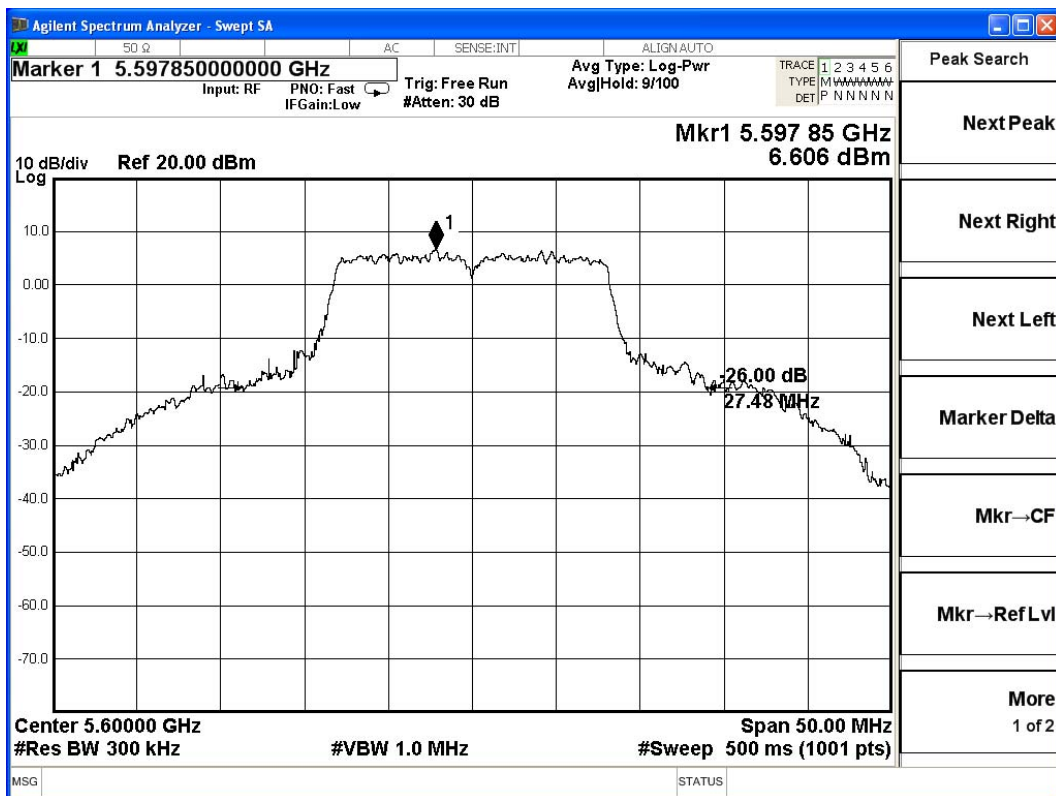
**26dBc Occupied Bandwidth:
Channel 100**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
120	5600	27.48	16.45	24	25.39	Pass

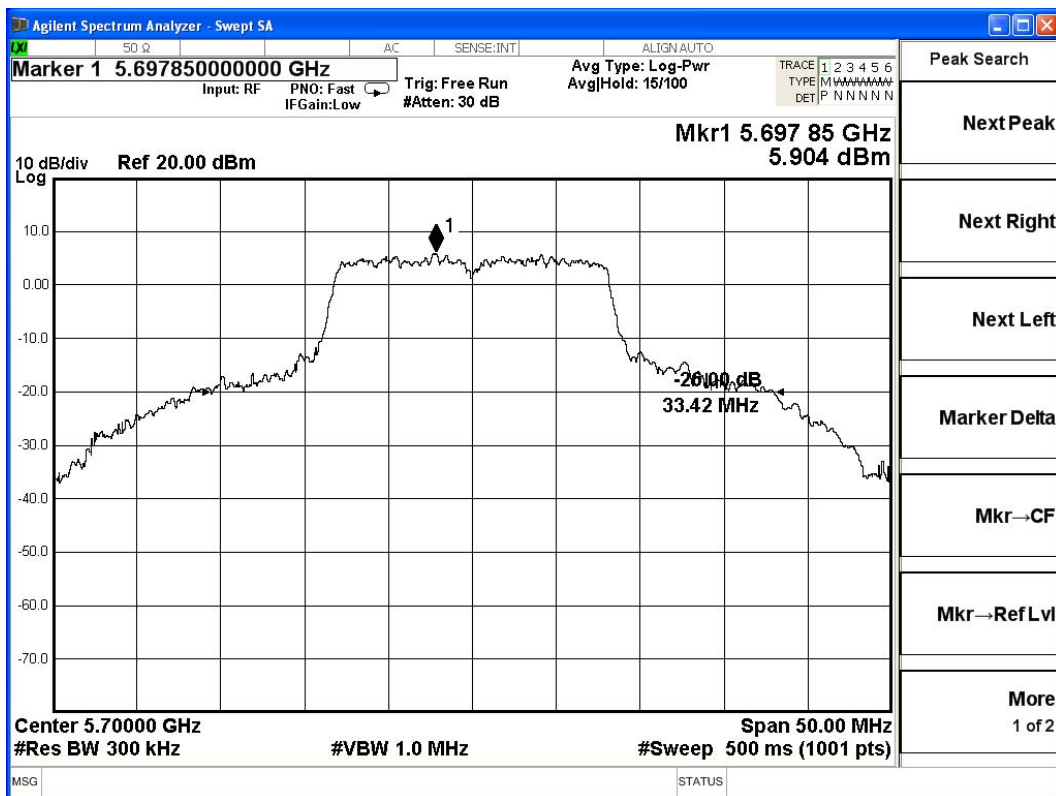
**26dBc Occupied Bandwidth:
Channel 120**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
140	5700	33.42	16.21	24	26.24	Pass

**26dBc Occupied Bandwidth:
Channel 140**



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Peak Transmit Power
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmitter (802.11n-20BW 13Mbps)

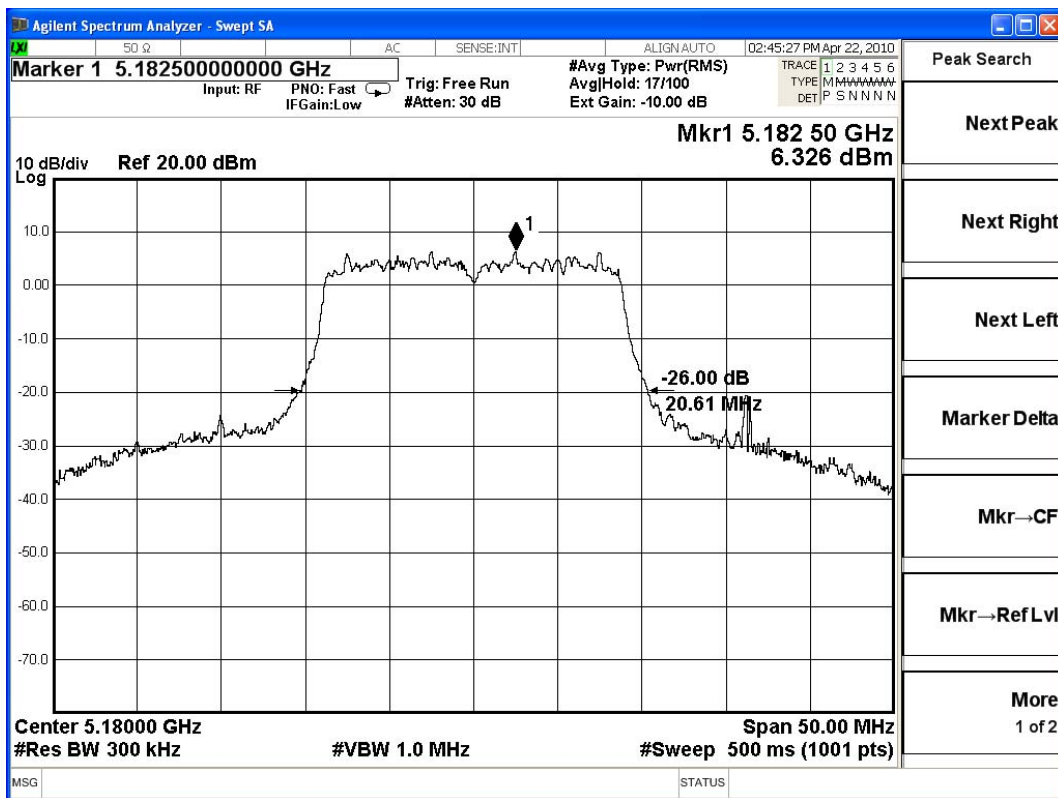
Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		13	26	39	52	78	104	117	130	
		Measurement Level (dBm)								
36	5180	15.79	--	--	--	--	--	--	--	<17dBm
44	5220	15.81	--	--	--	--	--	--	--	<17dBm
48	5240	15.91	--	--	--	--	--	--	--	<17dBm
52	5260	15.95	--	--	--	--	--	--	--	<24dBm
60	5300	16.44	16.32	16.15	16.05	16.11	16	16.07	16.22	<24dBm
64	5320	15.99	--	--	--	--	--	--	--	<24dBm
100	5500	16.39	--	--	--	--	--	--	--	<24dBm
120	5600	16.45	16.3	16.12	16.05	16.22	16.34	16.24	16.39	<24dBm
140	5700	16.19	--	--	--	--	--	--	--	<24dBm

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

Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
36	5180	20.61	15.79	17	17.14	Pass

**26dBc Occupied Bandwidth:
Channel 36**

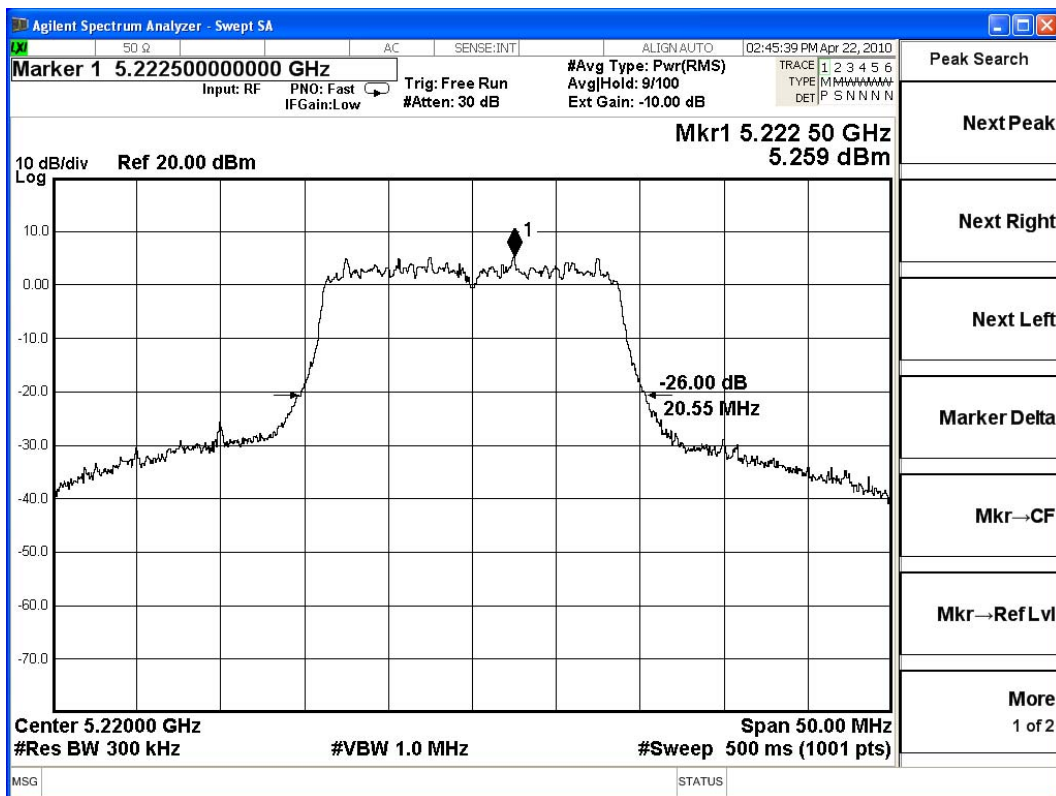


Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
44	5220	20.55	15.81	17	17.13	Pass

26dBc Occupied Bandwidth:

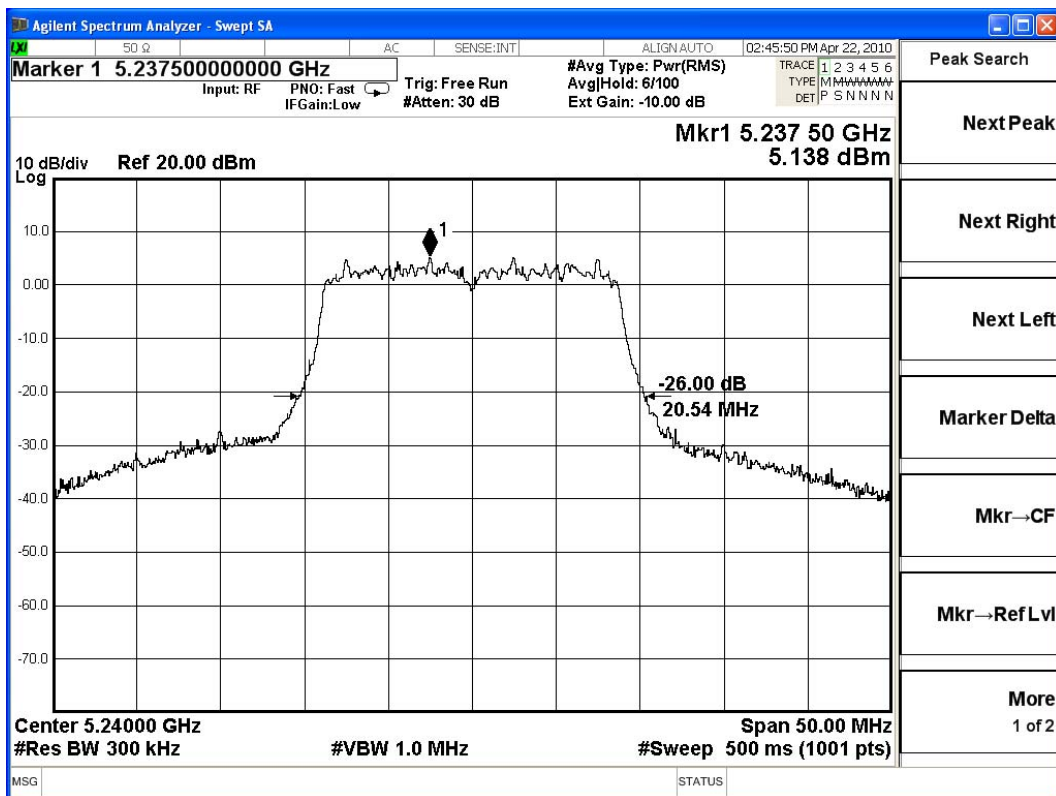
Channel 44



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
48	5240	20.54	15.91	17	17.13	Pass

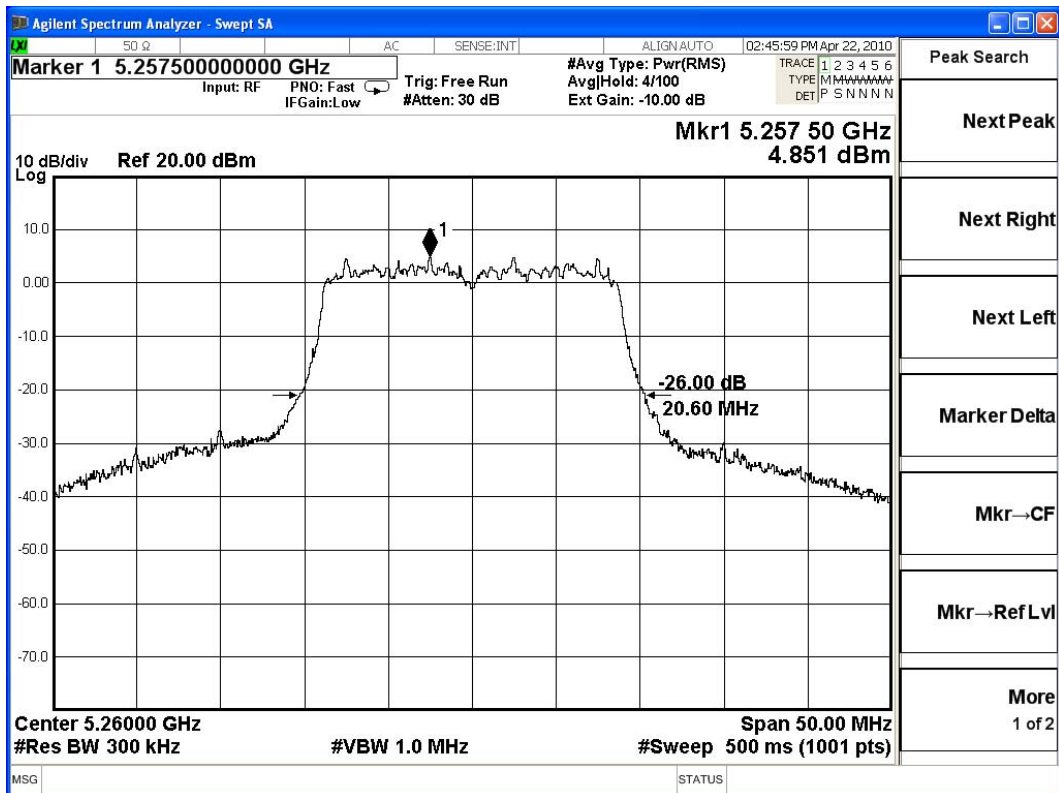
**26dBc Occupied Bandwidth:
Channel 48**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
52	5260	20.6	15.95	24	24.14	Pass

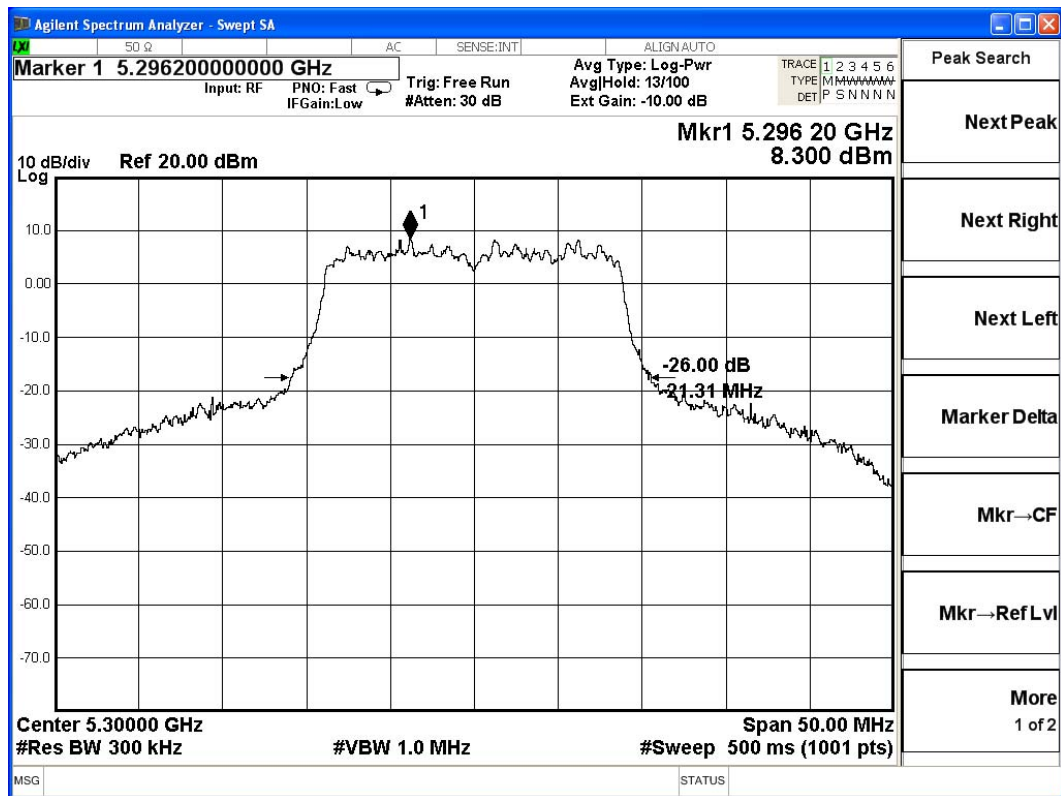
**26dBc Occupied Bandwidth:
Channel 52**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
60	5300	21.31	16.44	24	24.27	Pass

**26dBc Occupied Bandwidth:
Channel 60**

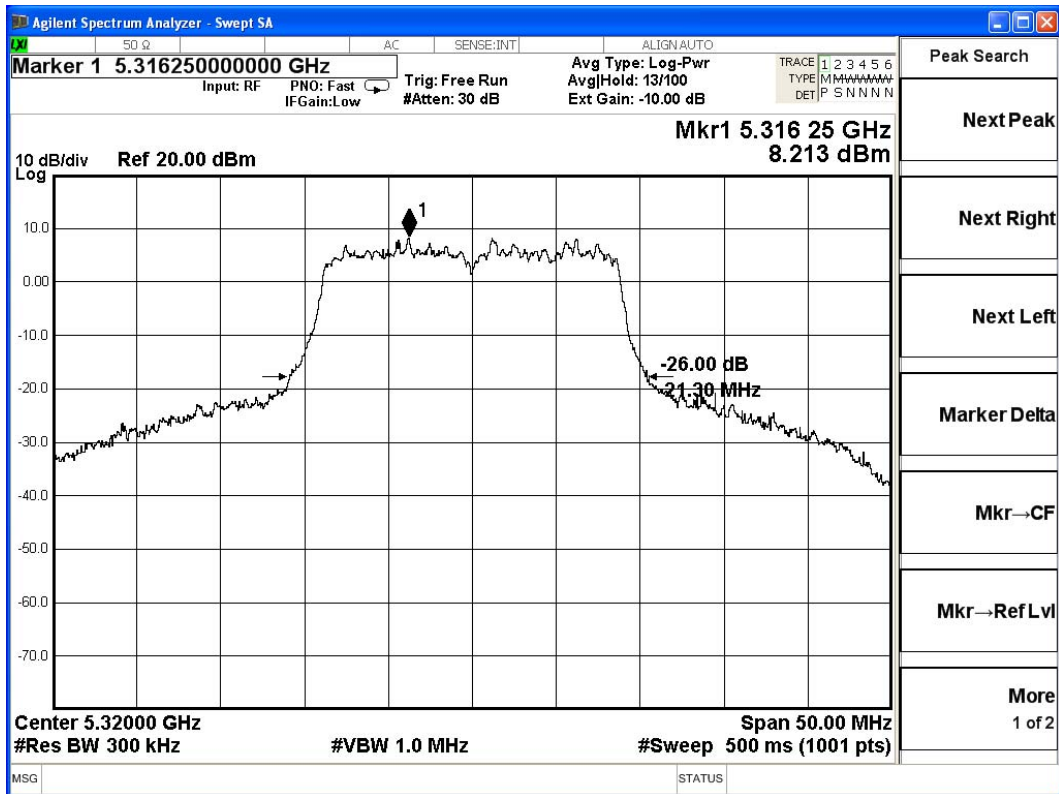


Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
64	5320	21.3	15.99	24	24.28	Pass

26dBc Occupied Bandwidth:

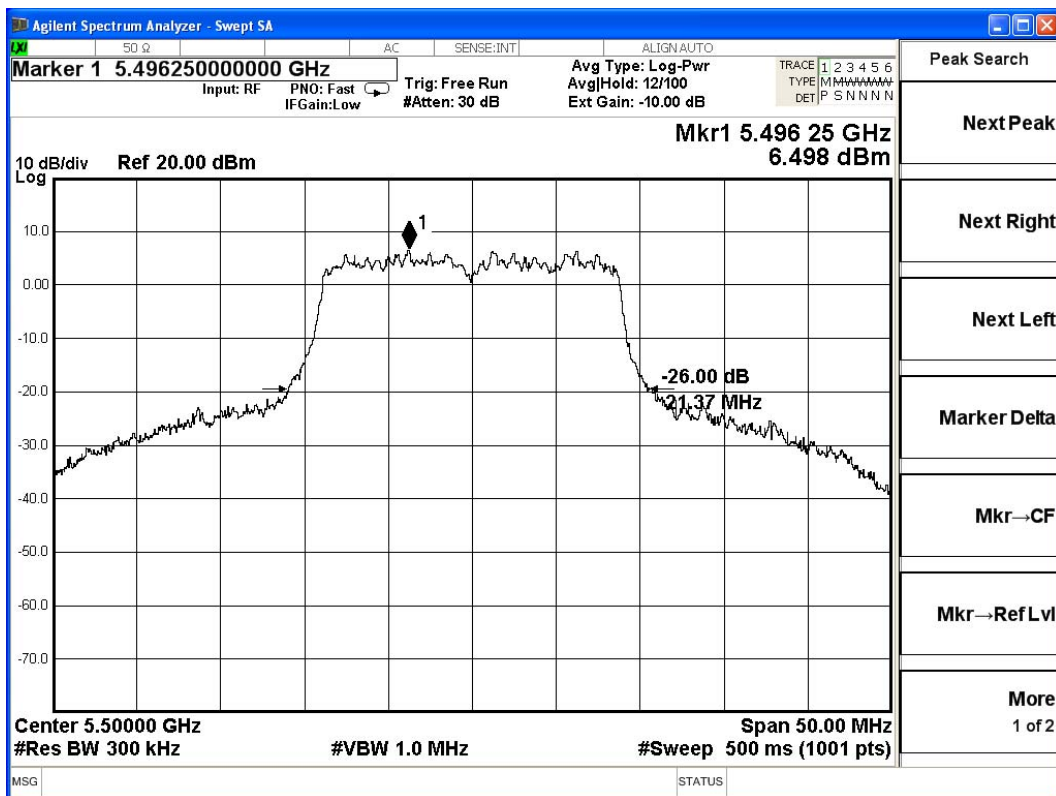
Channel 64



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
100	5500	21.37	16.39	24	24.29	Pass

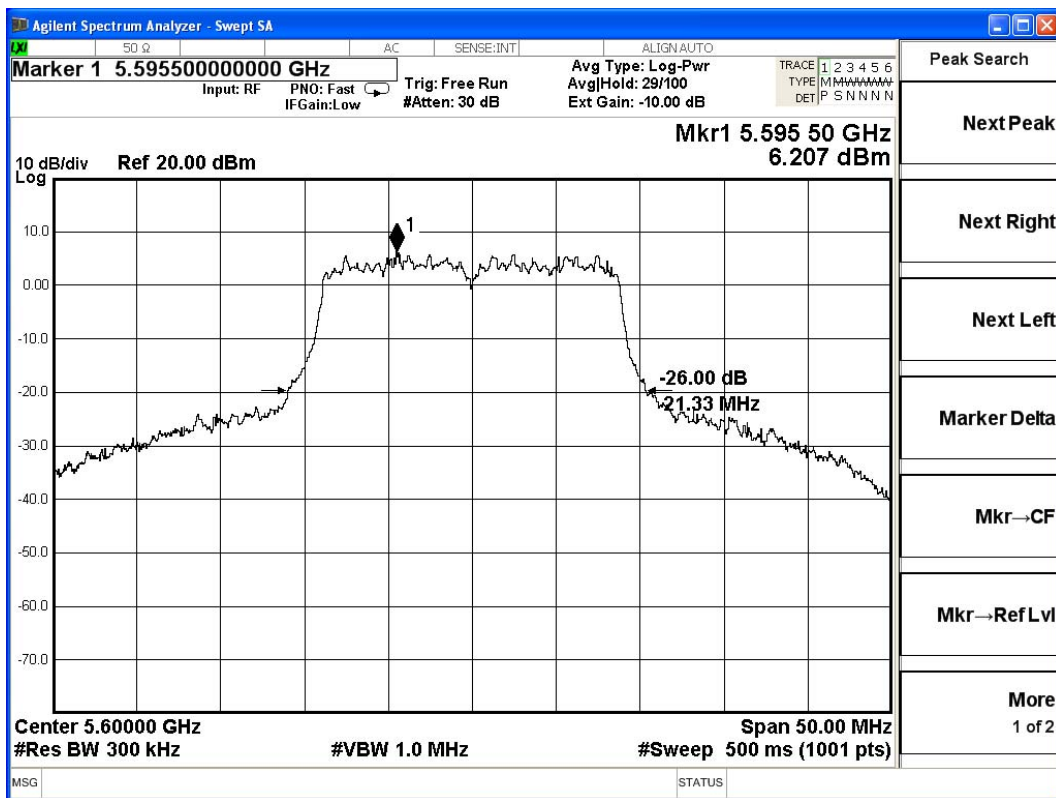
**26dBc Occupied Bandwidth:
Channel 100**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
120	5600	21.33	16.45	24	24.29	Pass

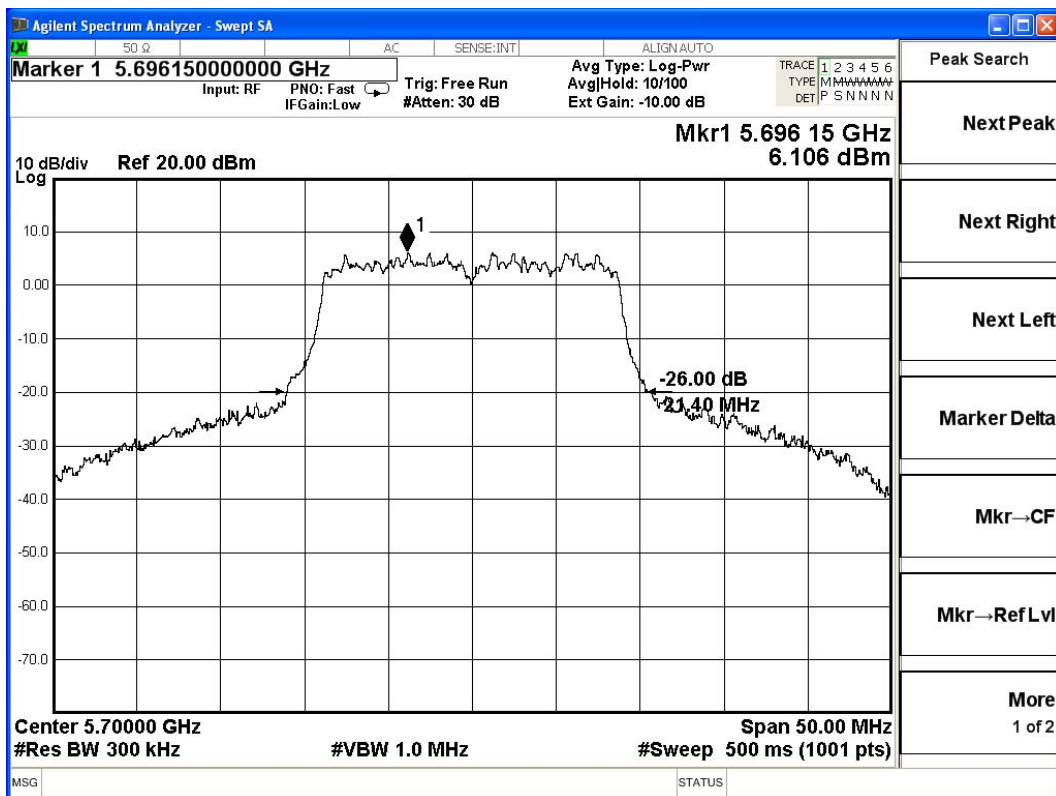
**26dBc Occupied Bandwidth:
Channel 120**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
140	5700	21.4	16.19	24	24.30	Pass

**26dBc Occupied Bandwidth:
Channel 140**



Product : Tablet PC MC-C5 / MC-F5
 Test Item : Peak Transmit Power
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmitter (802.11n-40BW 27Mbps)

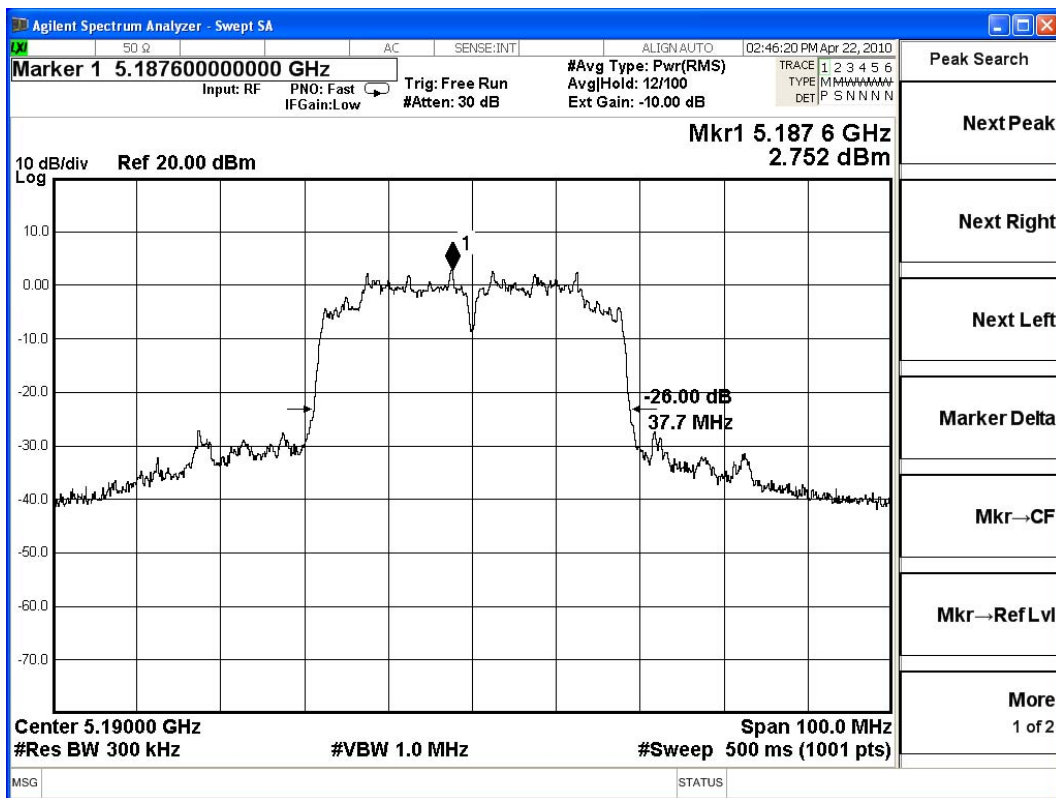
Cable loss=1dB		Peak Power Output								
Channel No.	Frequency (MHz)	Data Rate (Mbps)								Required Limit
		27	54	81	108	162	216	243	270	
		Measurement Level (dBm)								
38	5190	14.38	--	--	--	--	--	--	--	<17dBm
46	5230	15.82	--	--	--	--	--	--	--	<17dBm
54	5270	15.42	--	--	--	--	--	--	--	<24dBm
62	5310	15.58	15.25	14.98	15.25	14.59	14.75	15.05	15.05	<24dBm
102	5510	14.53	--	--	--	--	--	--	--	<24dBm
118	5590	15.78	15.55	15.32	15.3	15.22	15.18	15.35	15.1	<24dBm
134	5670	15.01	--	--	--	--	--	--	--	<24dBm

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

Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
38	5190	37.7	14.38	17	19.76	Pass

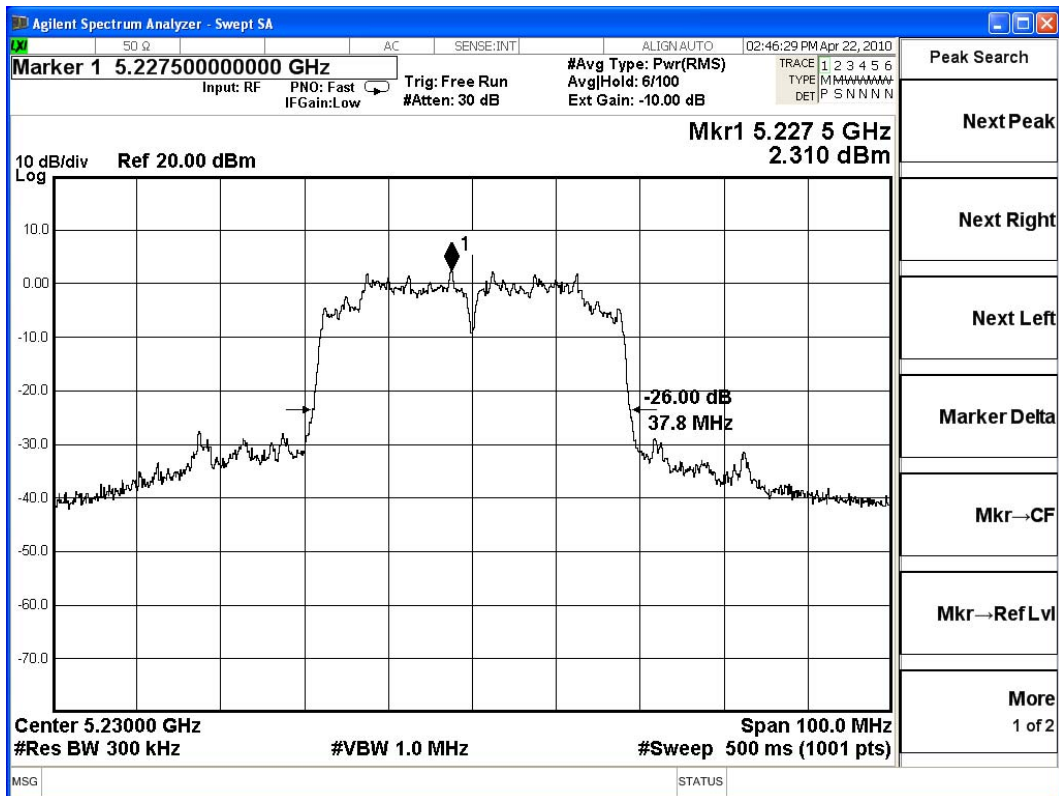
**26dBc Occupied Bandwidth:
Channel 38**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
46	5230	37.8	15.82	17	19.77	Pass

**26dBc Occupied Bandwidth:
Channel 46**

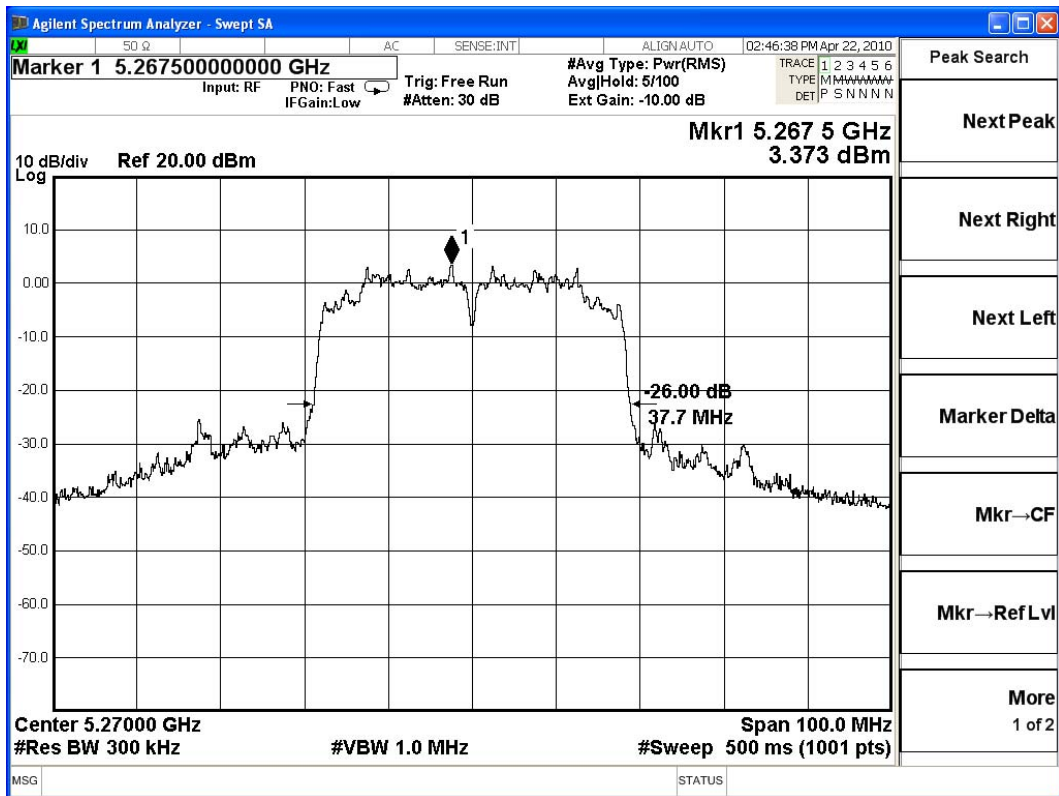


Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
54	5270	37.7	15.42	24	26.76	Pass

26dBc Occupied Bandwidth:

Channel 54

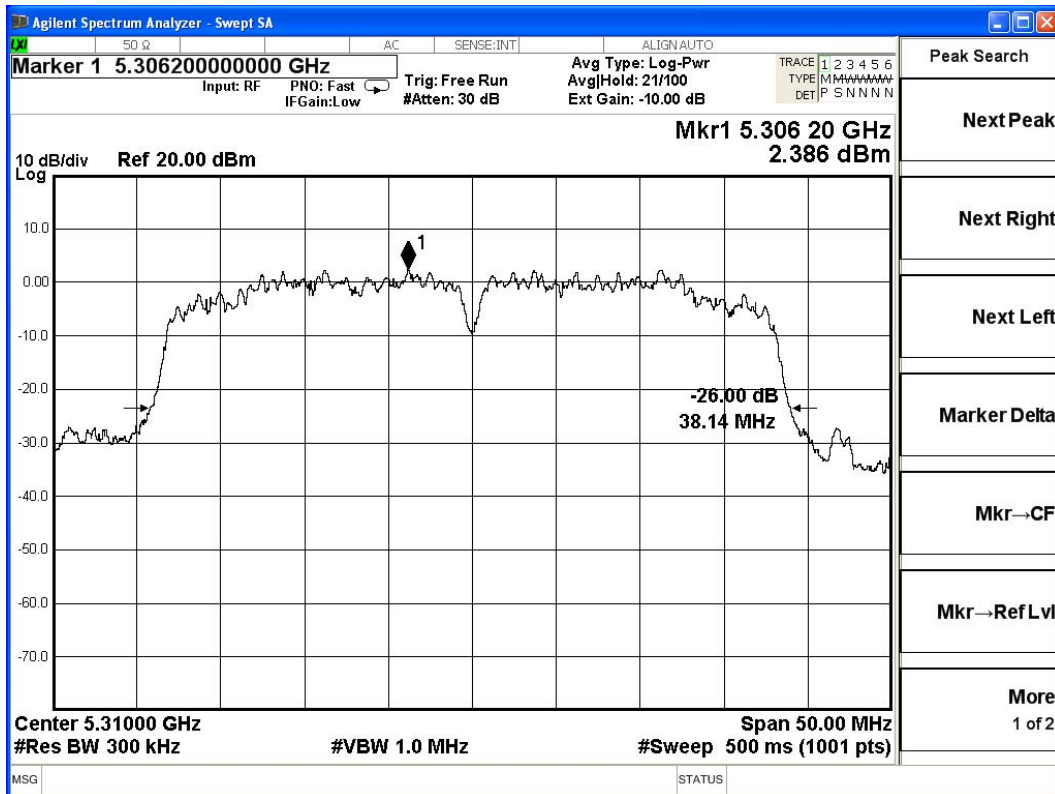


Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
62	5310	38.14	15.58	24	26.81	Pass

26dBc Occupied Bandwidth:

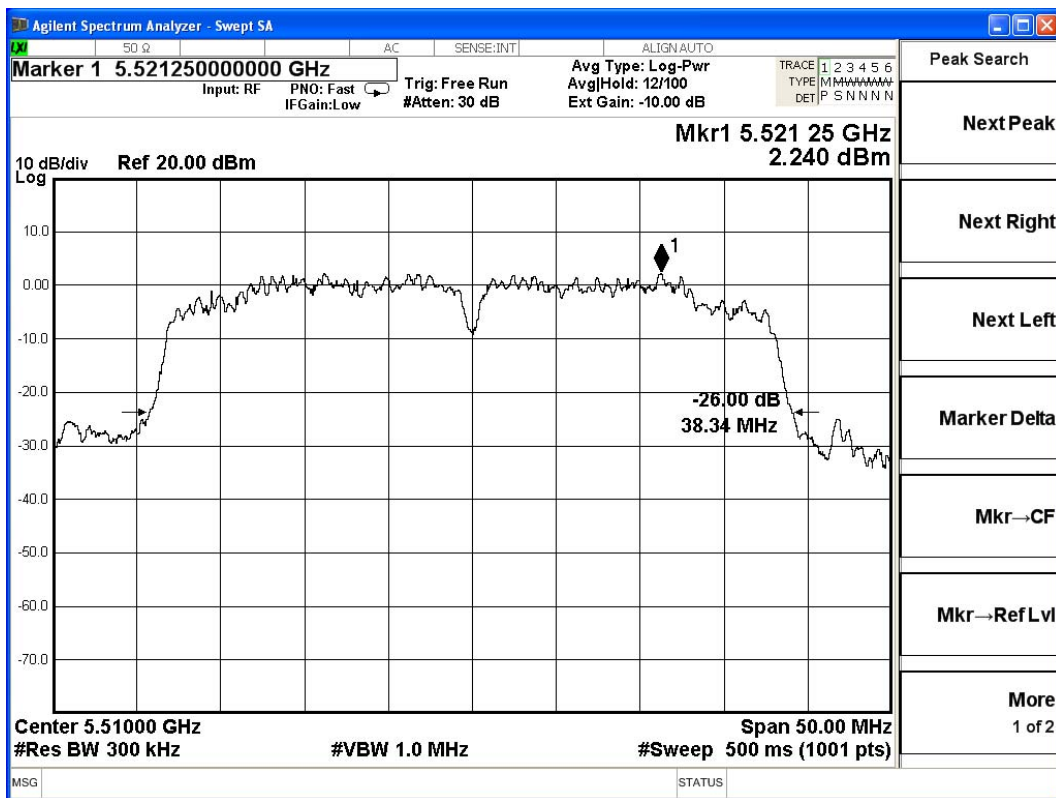
Channel 62



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
102	5510	38.34	14.53	24	26.77	Pass

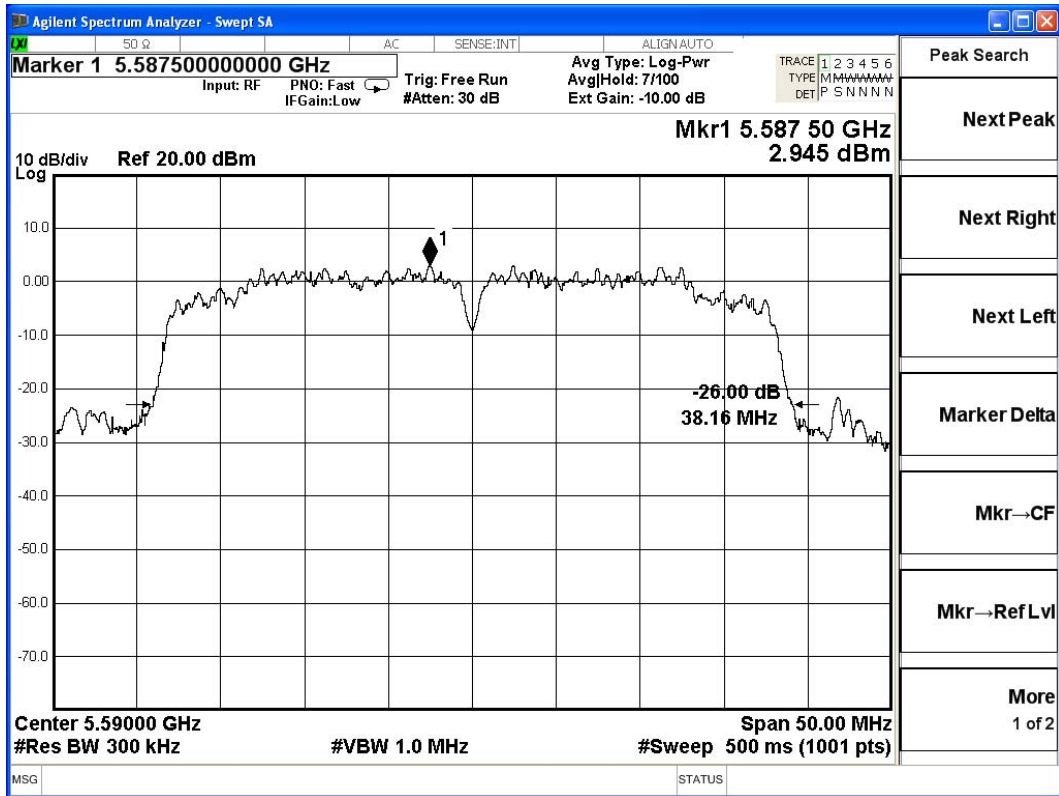
**26dBc Occupied Bandwidth:
Channel 102**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
118	5590	38.16	15.78	24	26.84	Pass

**26dBc Occupied Bandwidth:
Channel 118**



Peak Transmit Power Measurement:

Channel No	Frequency Range (MHz)	26dB Bandwidth (MHz)	Output Power (dBm)	Output Power Limit		Result
				(dBm)	dBm+10log(BW)	
134	5670	38.05	15.01	24	26.82	Pass

**26dBc Occupied Bandwidth:
Channel 134**

