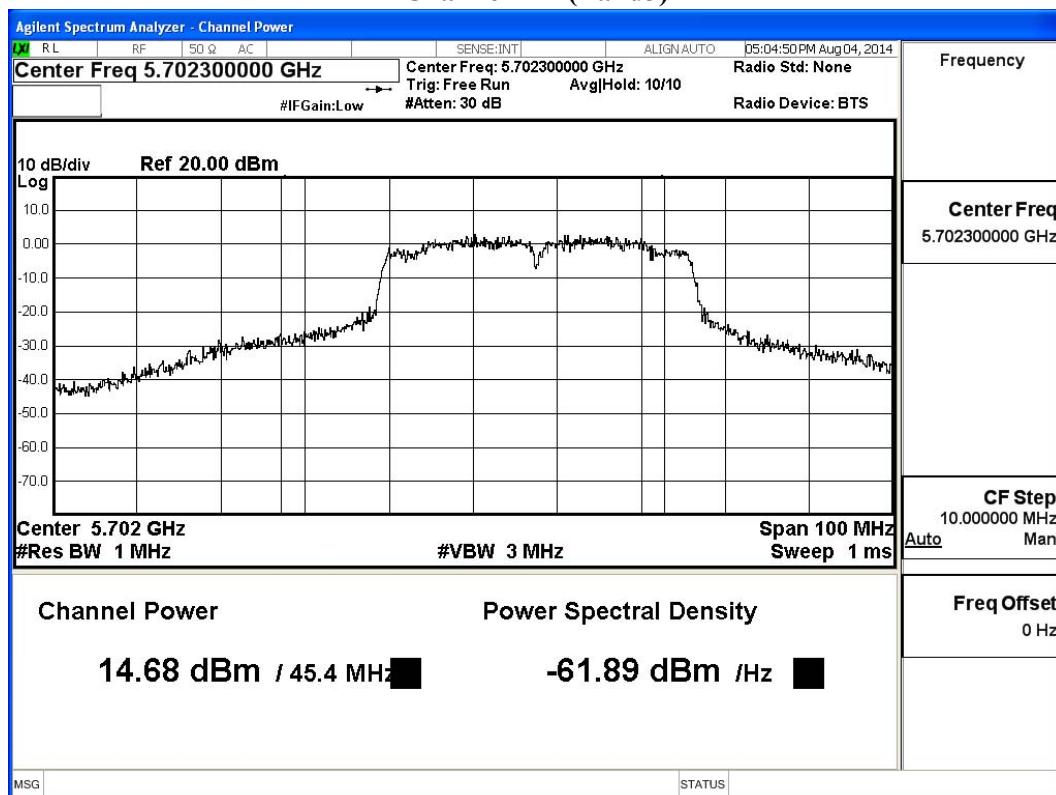
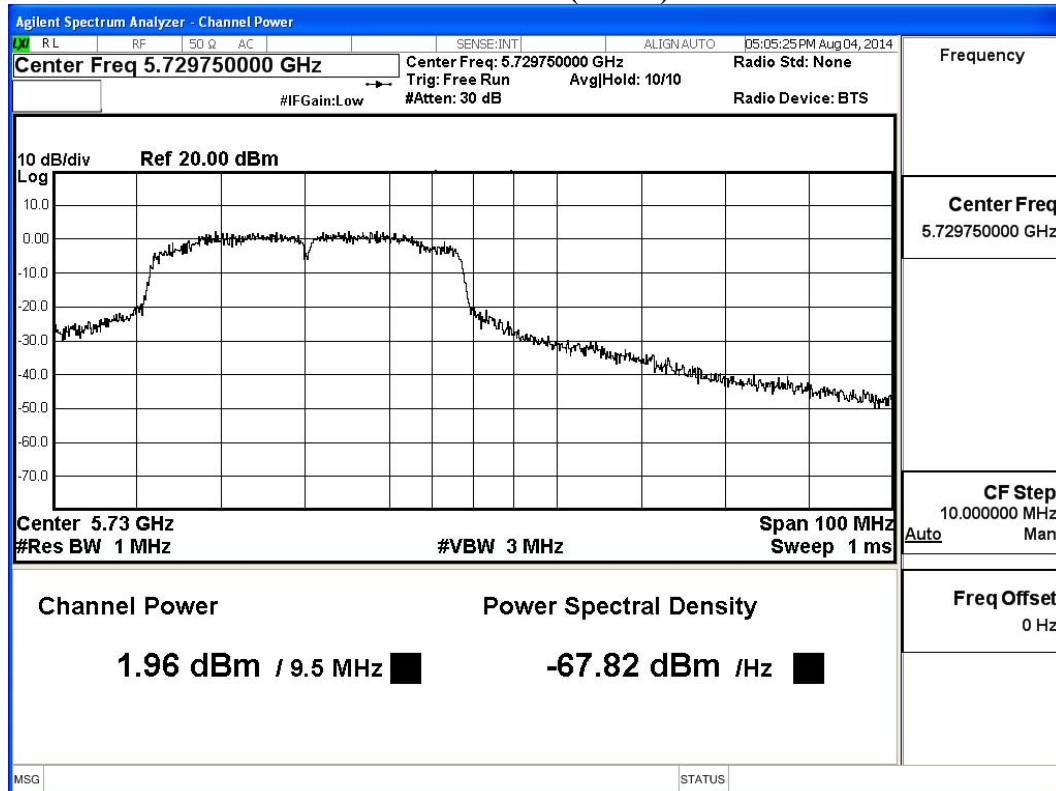


Maximum conducted output power:
Channel 142 (Band3)

Channel 142 (Band4)


Product : TABLET PC
 Test Item : Maximum conducted output power
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit (802.11ac-80BW-32.5Mbps)

Cable loss=1dB		Maximum conducted output power									
Channel No	Frequency (MHz)	Data Rate (Mbps)									
		VTH0	VTH1	VTH2	VTH3	VTH4	VTH5	VTH6	VTH7	VTH8	VTH9
42	5210	8.82	8.77	8.75	8.67	8.61	8.55	8.42	8.47	8.37	8.32
58	5290	10.86	10.81	10.76	10.69	10.62	10.58	10.56	10.51	10.46	10.35
106	5530	9.17	9.11	8.97	8.89	8.81	8.79	8.74	8.82	8.78	8.71
138(Band3)	5690	12.59	12.43	12.39	12.32	12.26	12.11	12.04	11.95	11.87	11.81
138(Band4)	5690	-4.31	-4.39	-4.47	-4.58	-4.63	-4.71	-4.79	-4.81	-4.83	-4.86
155	5775	14.36	14.14	14.03	13.91	13.89	13.84	13.81	13.77	13.81	13.78

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

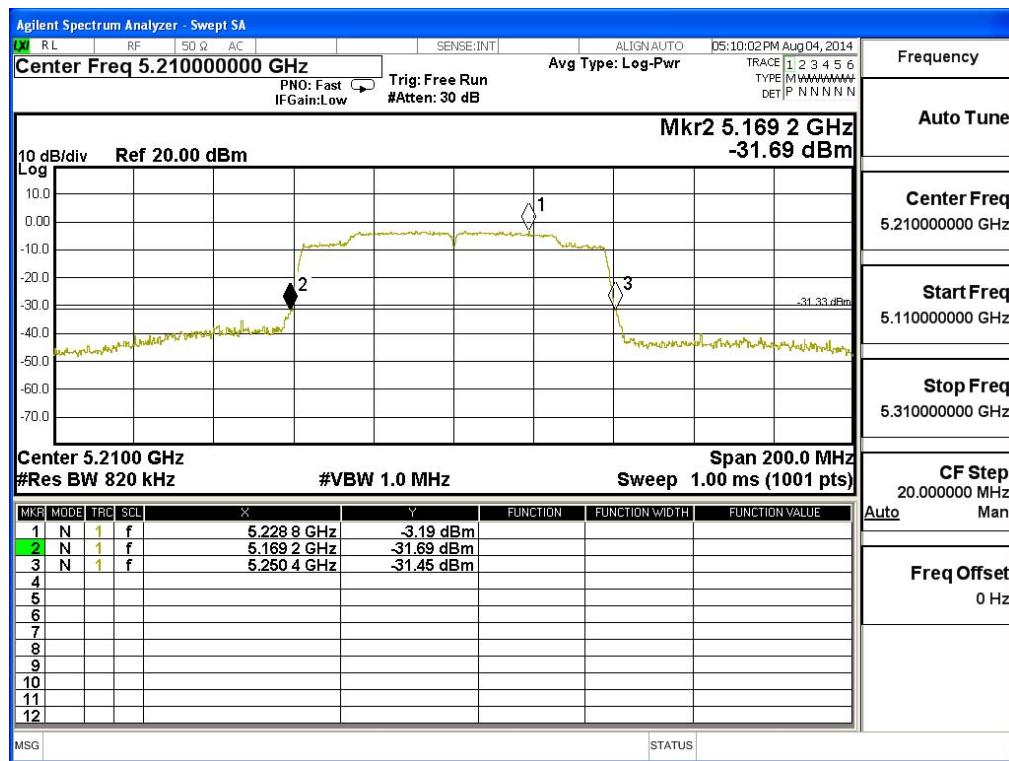
Maximum conducted output power Measurement:

Channel Number	Frequency (MHz)	26dB Bandwidth (MHz)	Chain A Power (dBm)	Output Power (dBm)	Output Power Limit	
					(dBm)	(dBm+10log(BW))
42	5210	81.200	8.82	8.82	17	30.10
58	5290	82.000	10.86	10.86	17	30.14
106	5530	81.200	9.17	9.17	24	30.10
138(Band3)	5690	97.400	12.59	12.59	24	30.89
138(Band4)	5690	10.600	-4.31	-4.31	30	27.25
155	5775	132.200	14.36	14.36	30	38.21

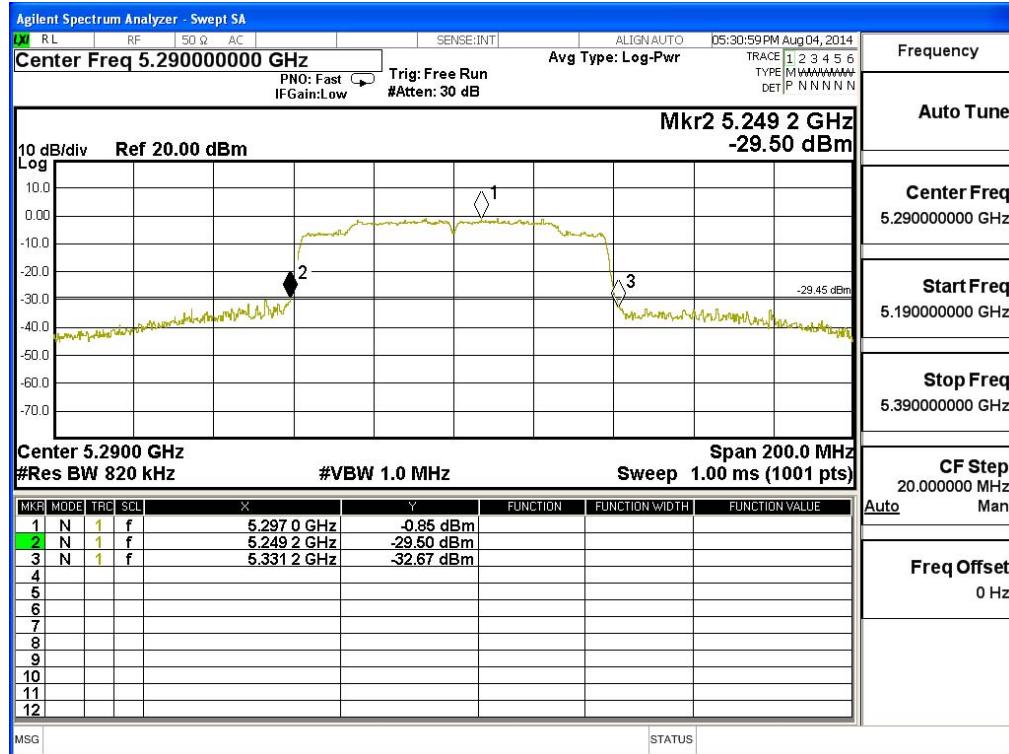
Note: Power Output Value =Reading value on average power meter + cable loss

26dBc Occupied Bandwidth:

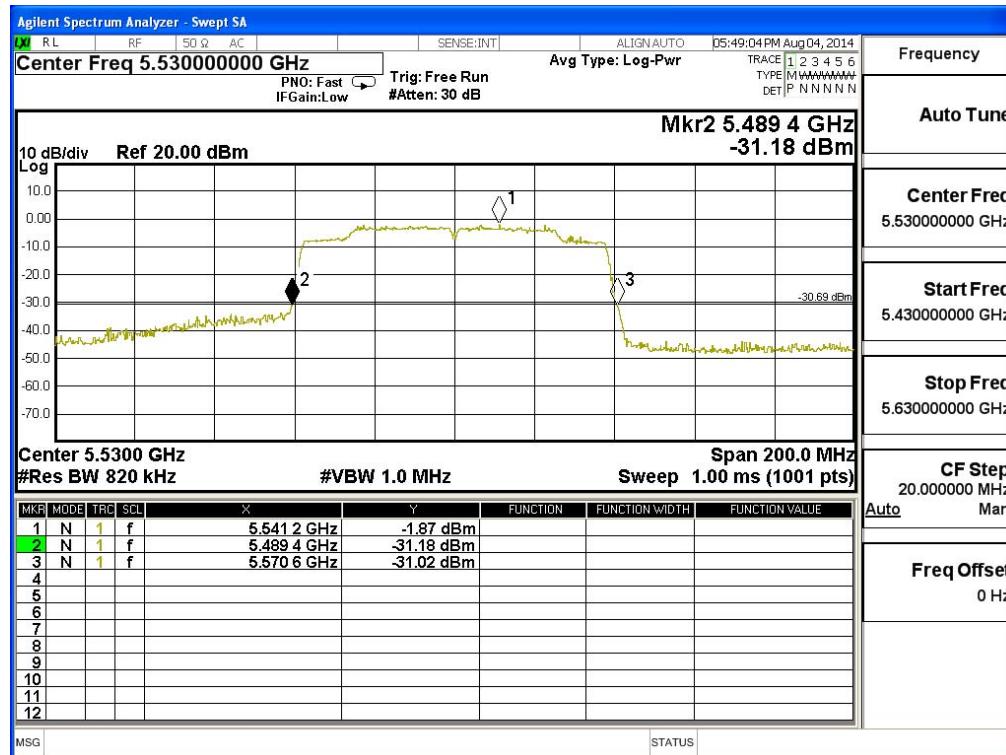
Channel 42



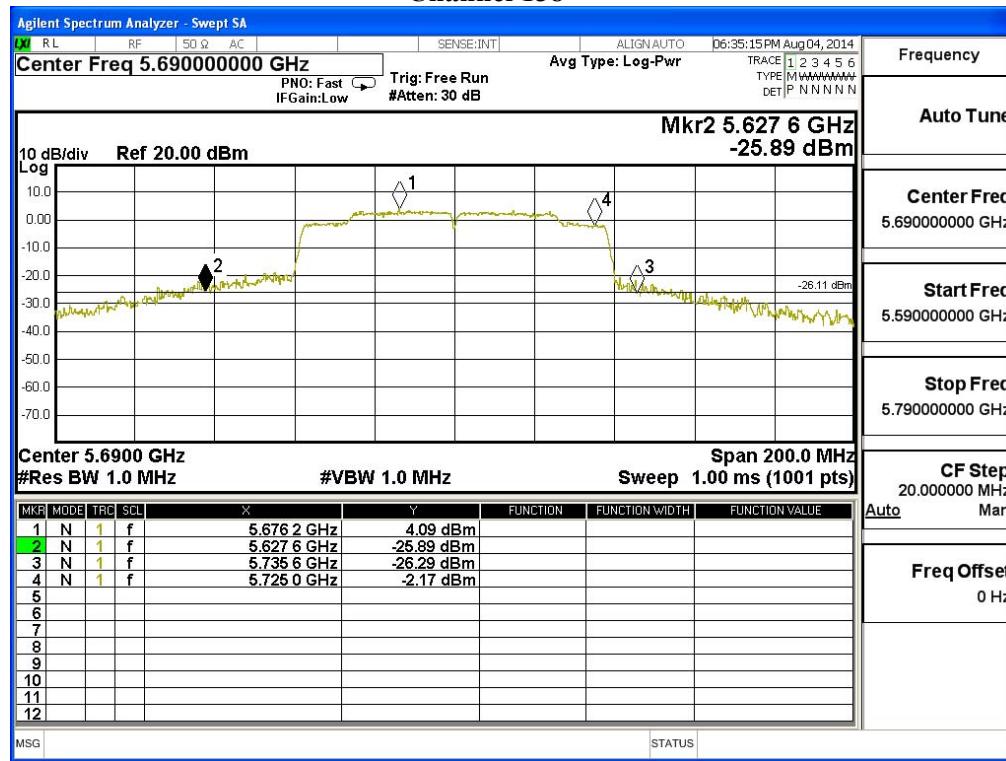
Channel 58



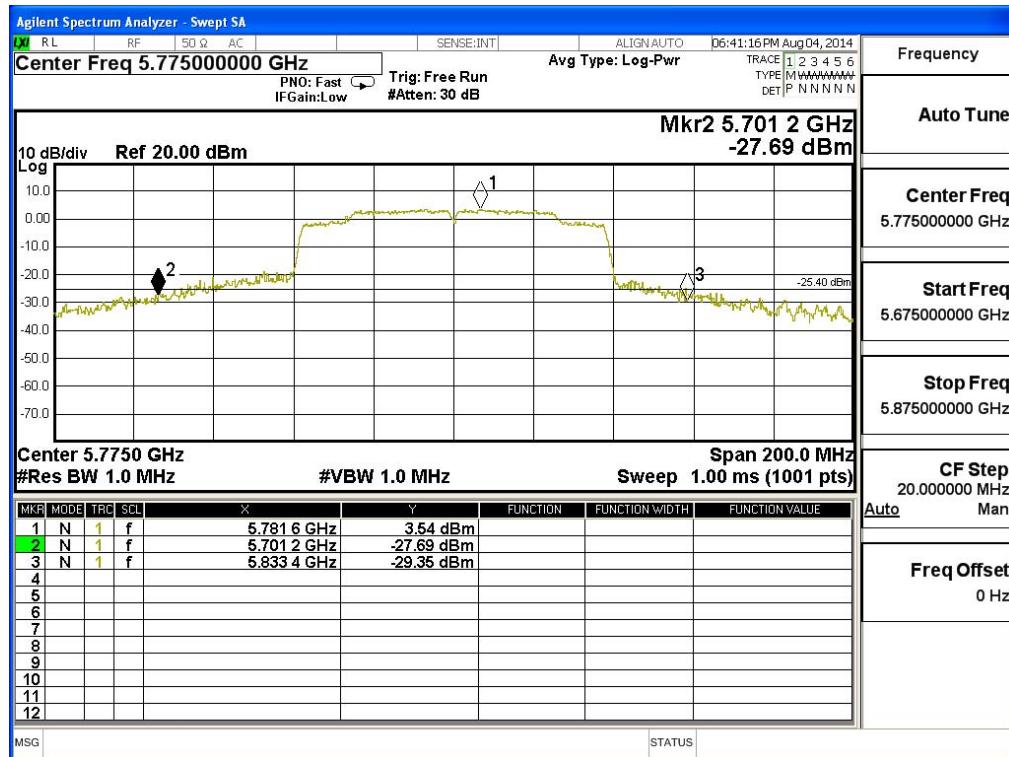
Channel 106



Channel 138

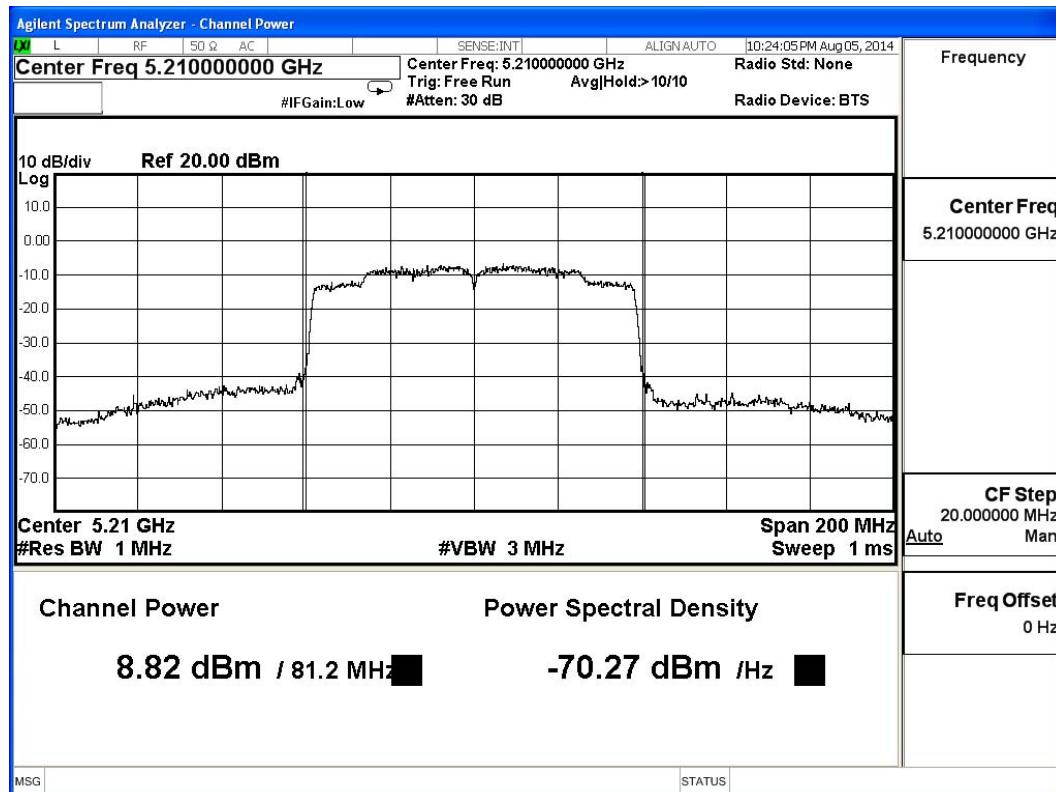


Channel 155



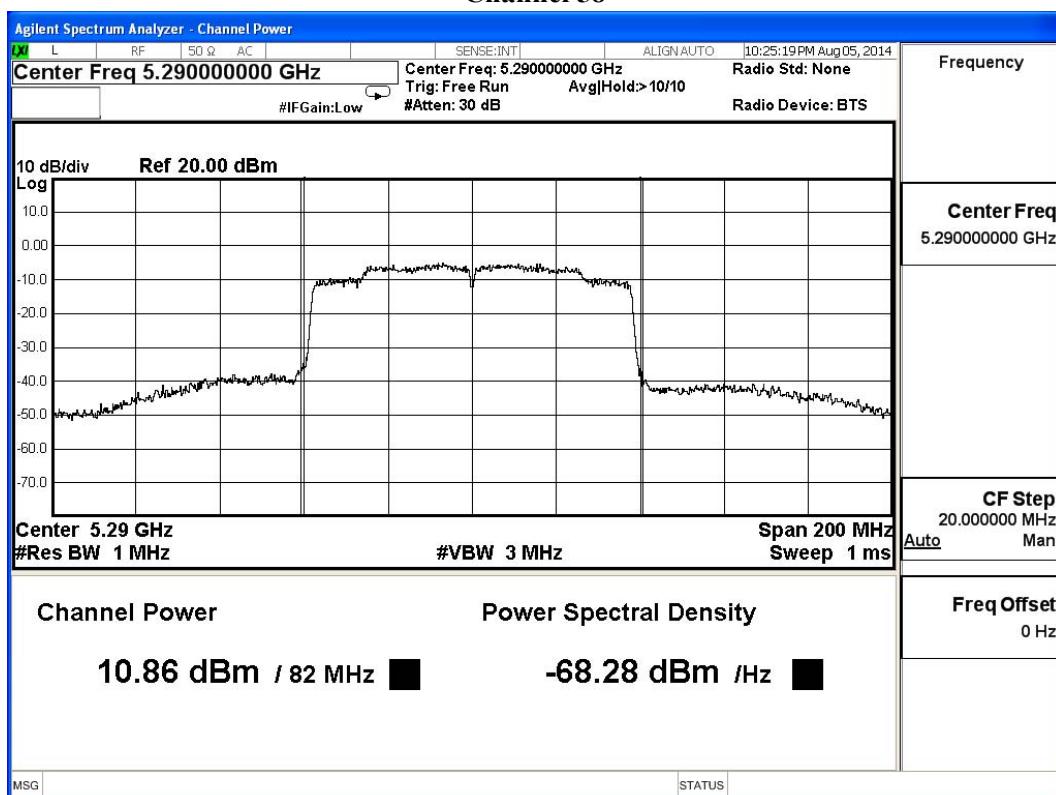
Maximum conducted output power:

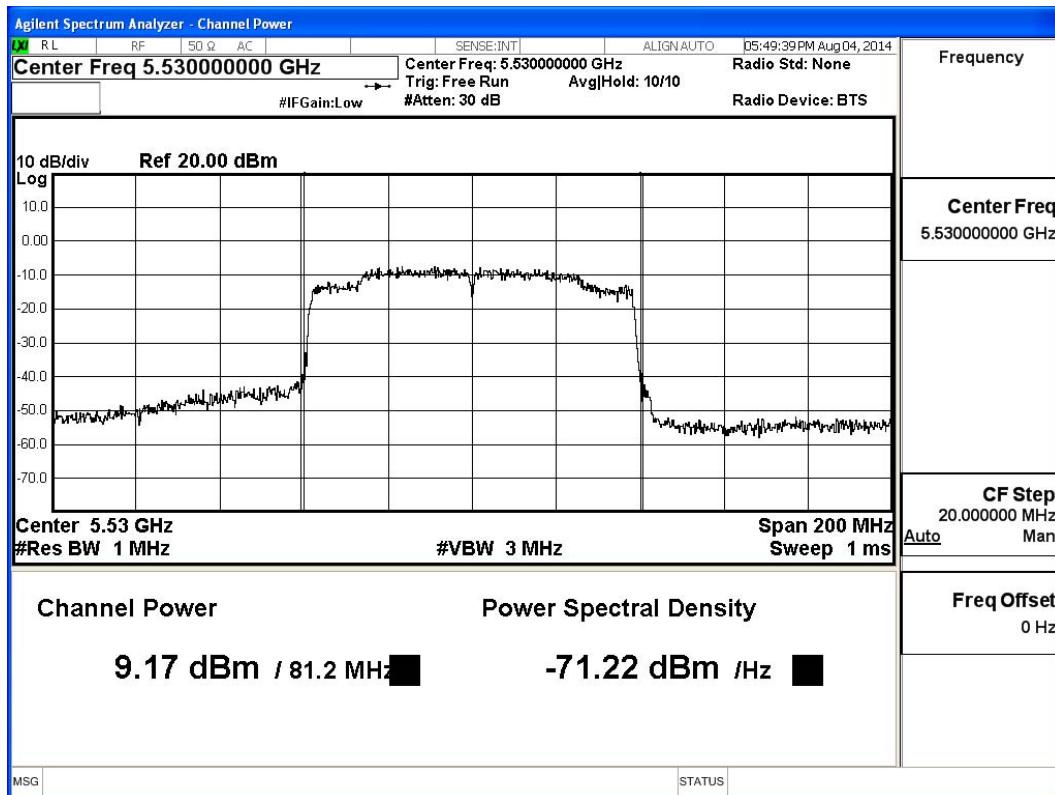
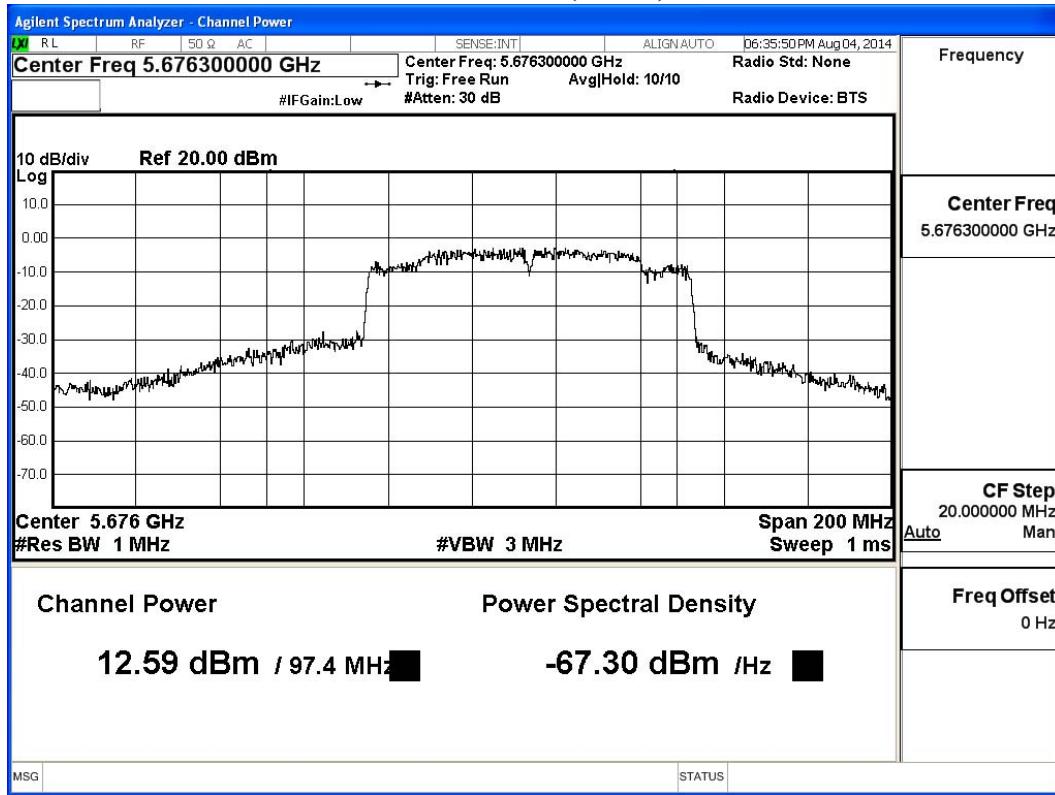
Channel 42

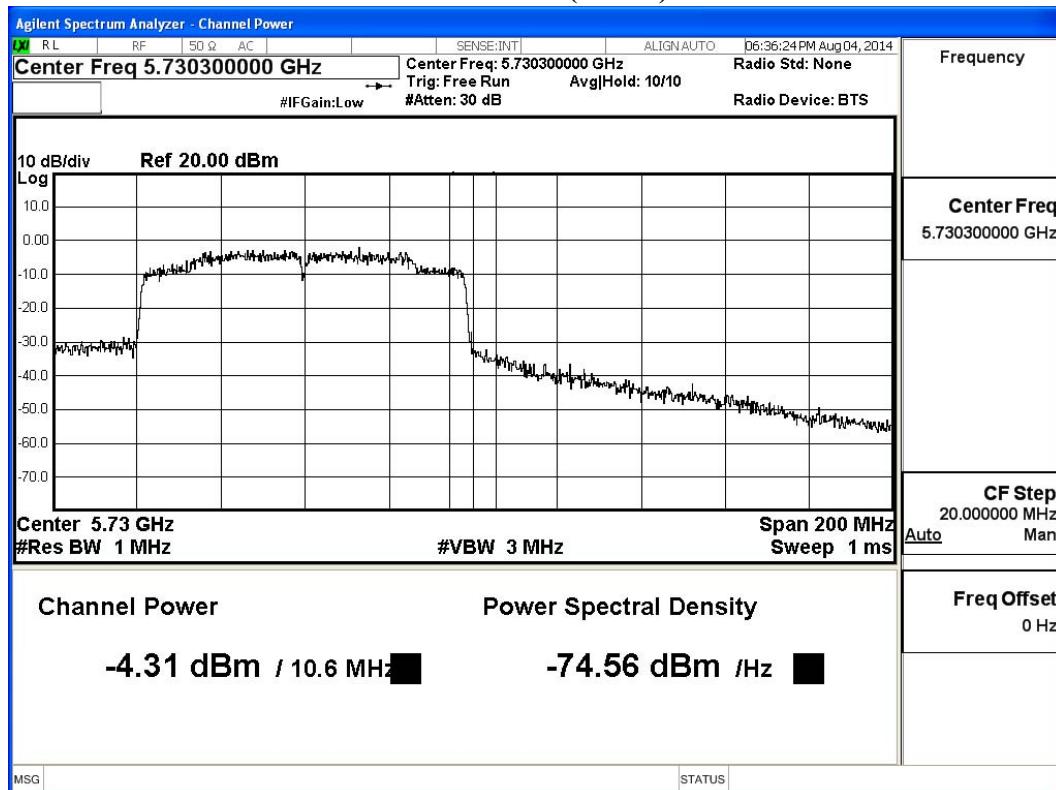
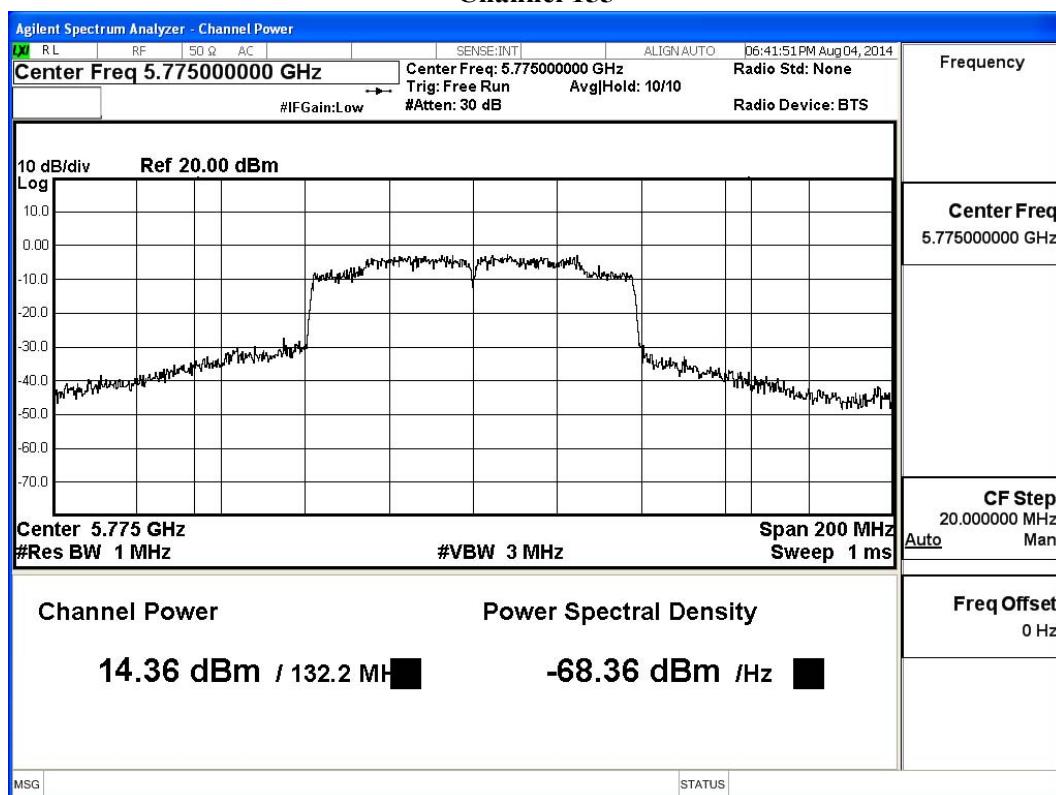


Maximum conducted output power:

Channel 58



Maximum conducted output power:
Channel 106

Maximum conducted output power:
Channel 138 (Band3)


Maximum conducted output power:
Channel 138 (Band4)

Maximum conducted output power:
Channel 155


4. Peak Power Spectral Density

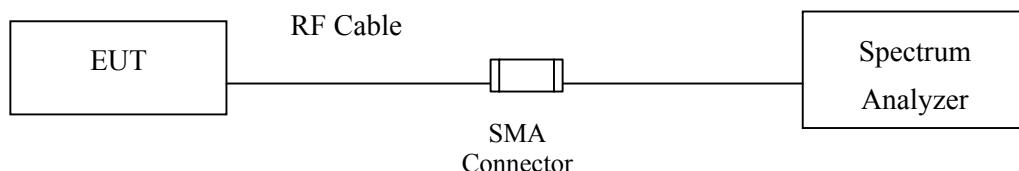
4.1. Test Equipment

Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2014
Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2014
X Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr, 2014

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



4.3. Limits

- (4) For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 4 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (5) For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
- (6) For the band 5.725-5.825 GHz, the peak power spectral density shall not exceed 17 dBm in any 1-MHz band. If transmitting antenna of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

4.4. Test Procedure

The EUT was setup to ANSI C63.10, 2009; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

The Peak Power Spectral Density using KDB 789033 section F) procedure, Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer.

SA-1 method is selected to run the test.

4.5. Uncertainty

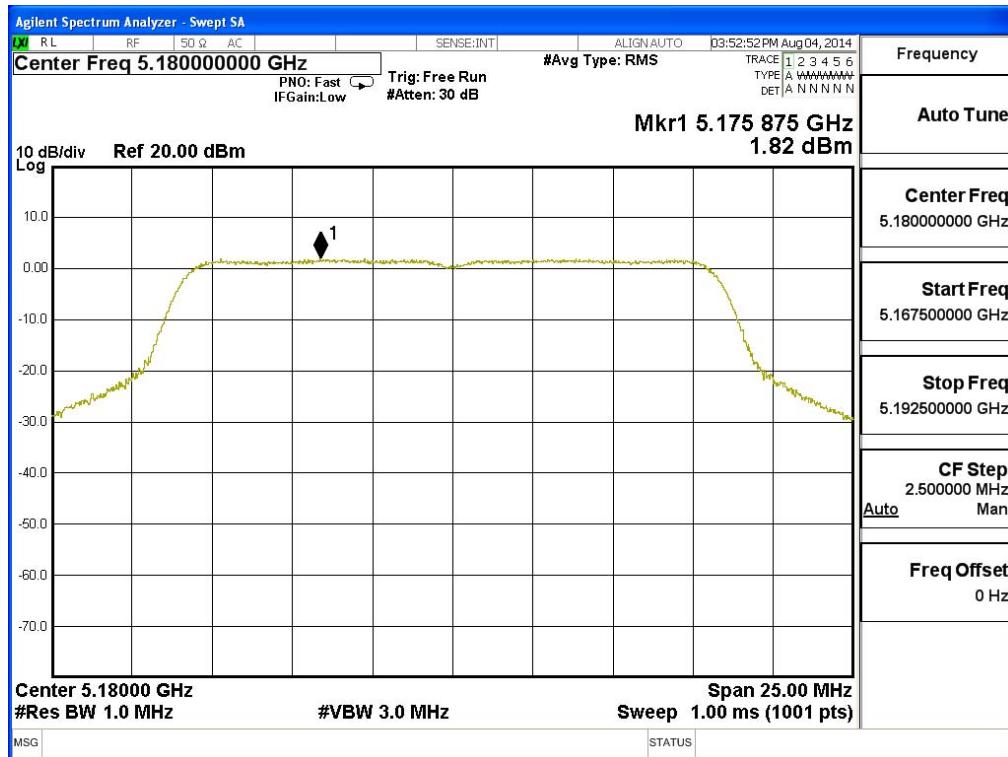
± 1.27 dB

4.6. Test Result of Peak Power Spectral Density

Product : TABLET PC
 Test Item : Peak Power Spectral Density
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)

Channel Number	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	1.820	<4	Pass
44	5220	4.200	<4	Pass
48	5240	3.060	<4	Pass
52	5260	4.310	<11	Pass
60	5300	4.210	<11	Pass
64	5320	2.070	<11	Pass
100	5500	2.230	<11	Pass
116	5580	4.200	<11	Pass
140	5700	1.150	<11	Pass

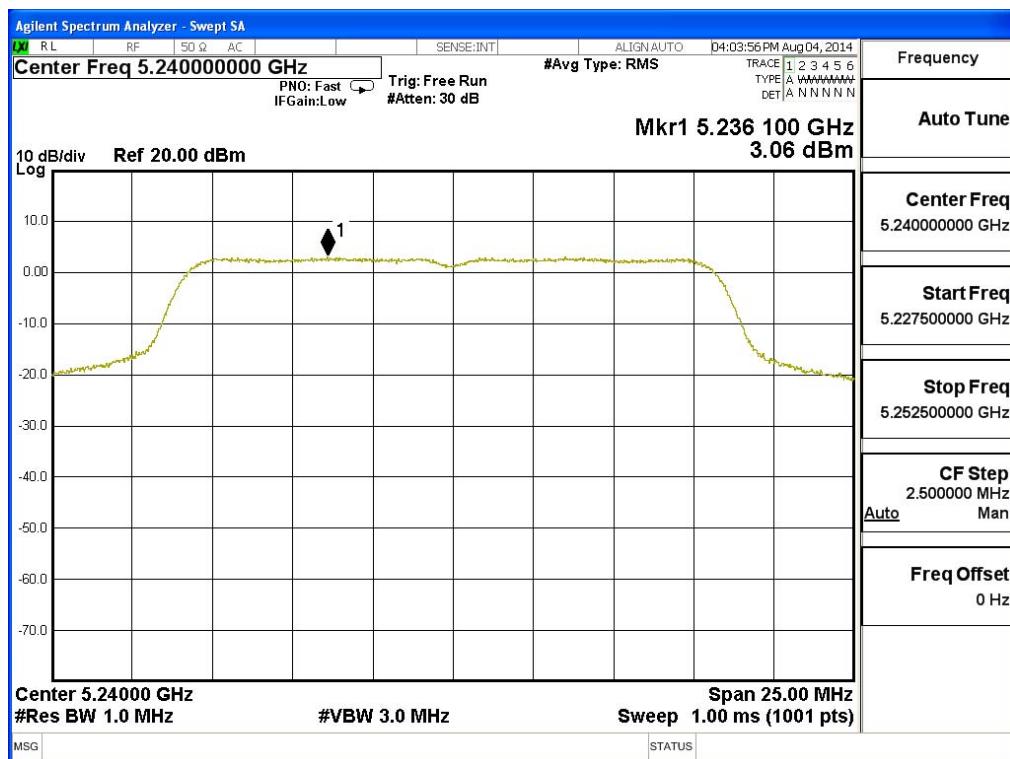
Channel 36:



Channel 44:



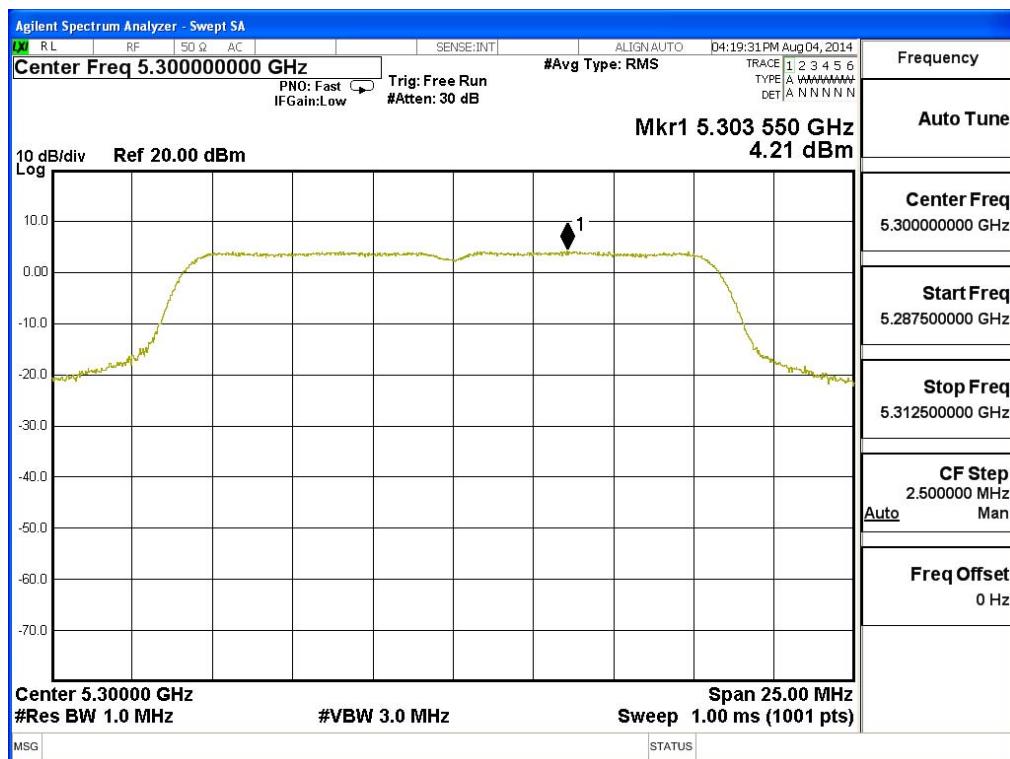
Channel 48:



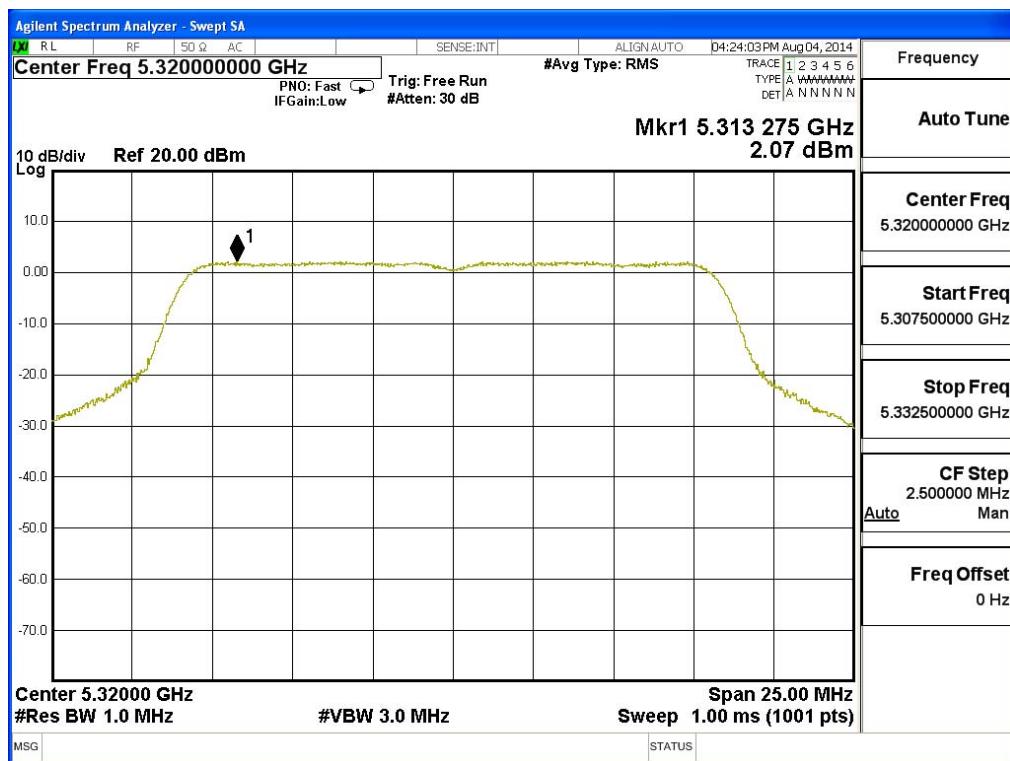
Channel 52:



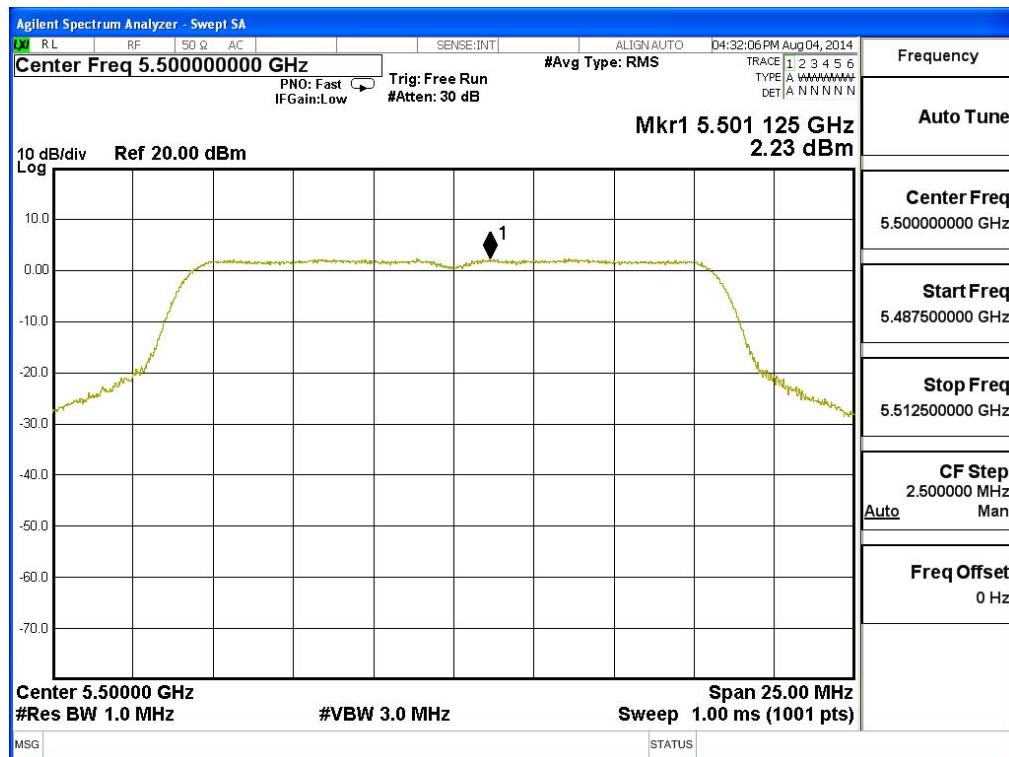
Channel 60:



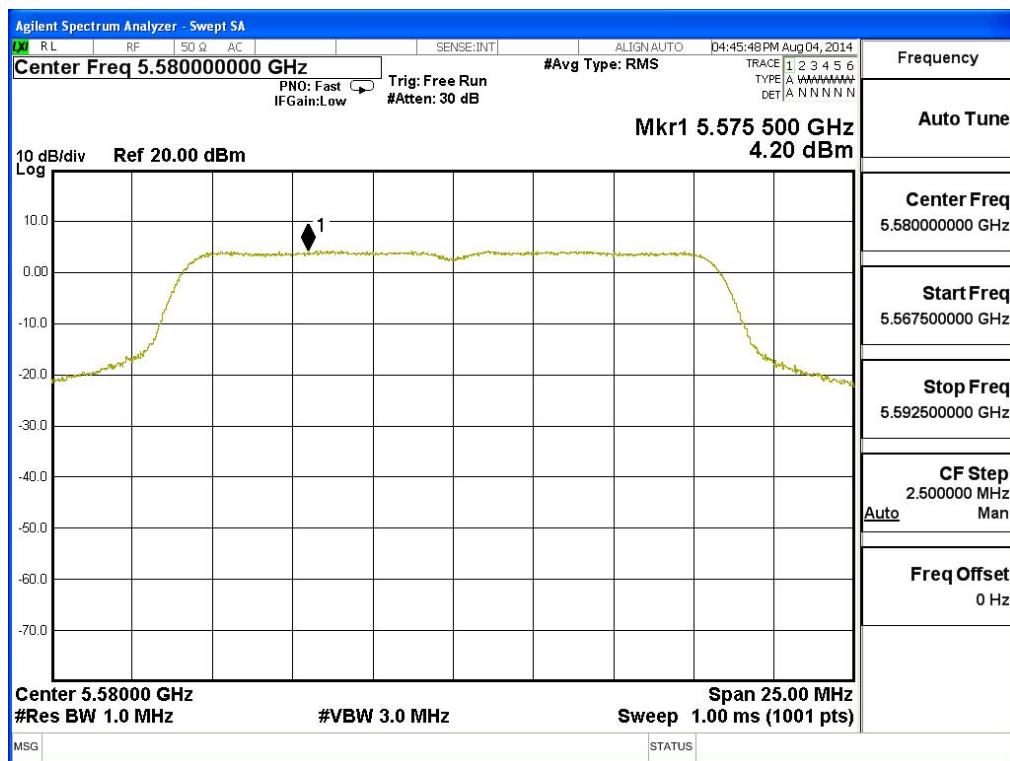
Channel 64:



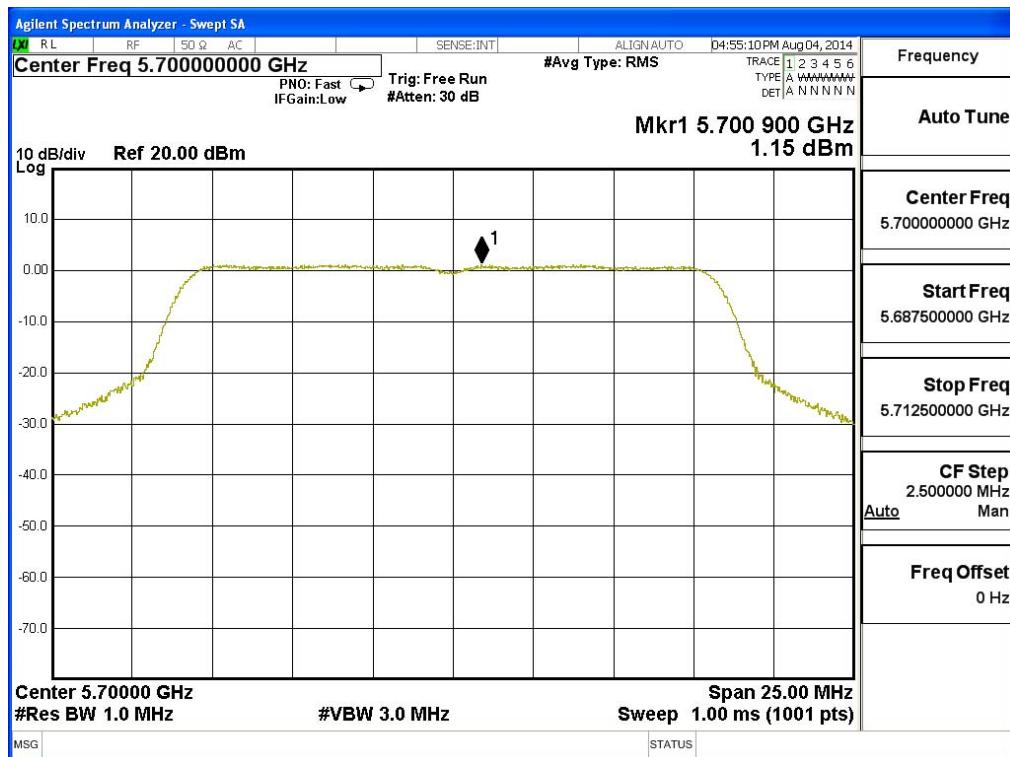
Channel 100:



Channel 116:



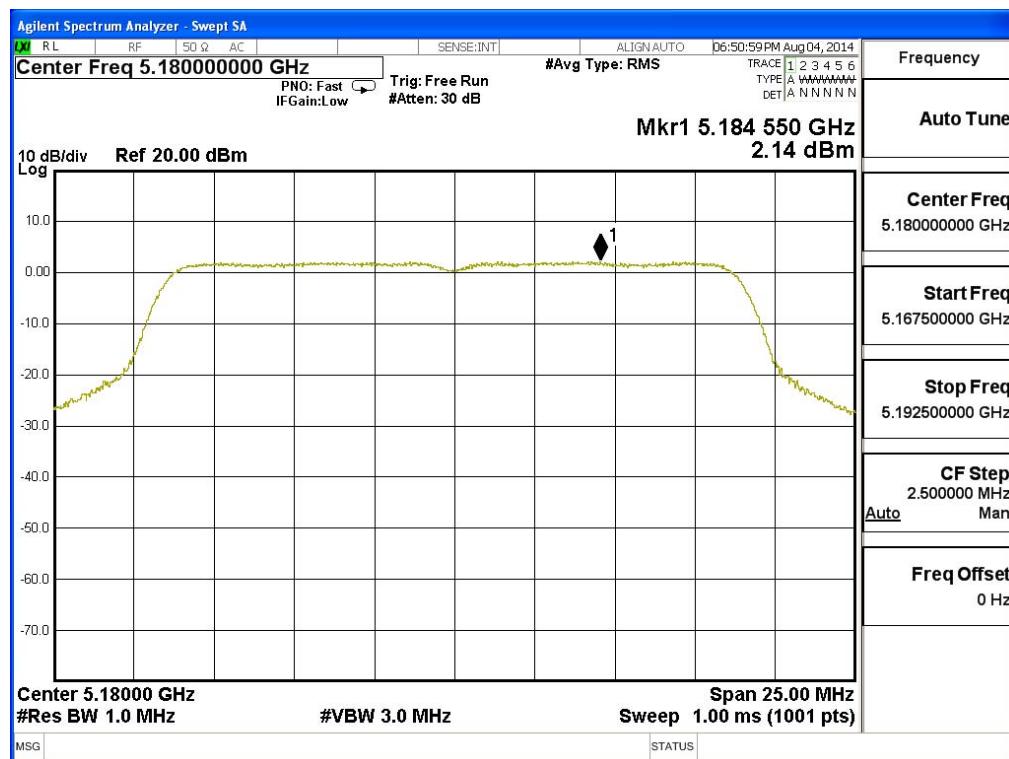
Channel 140:



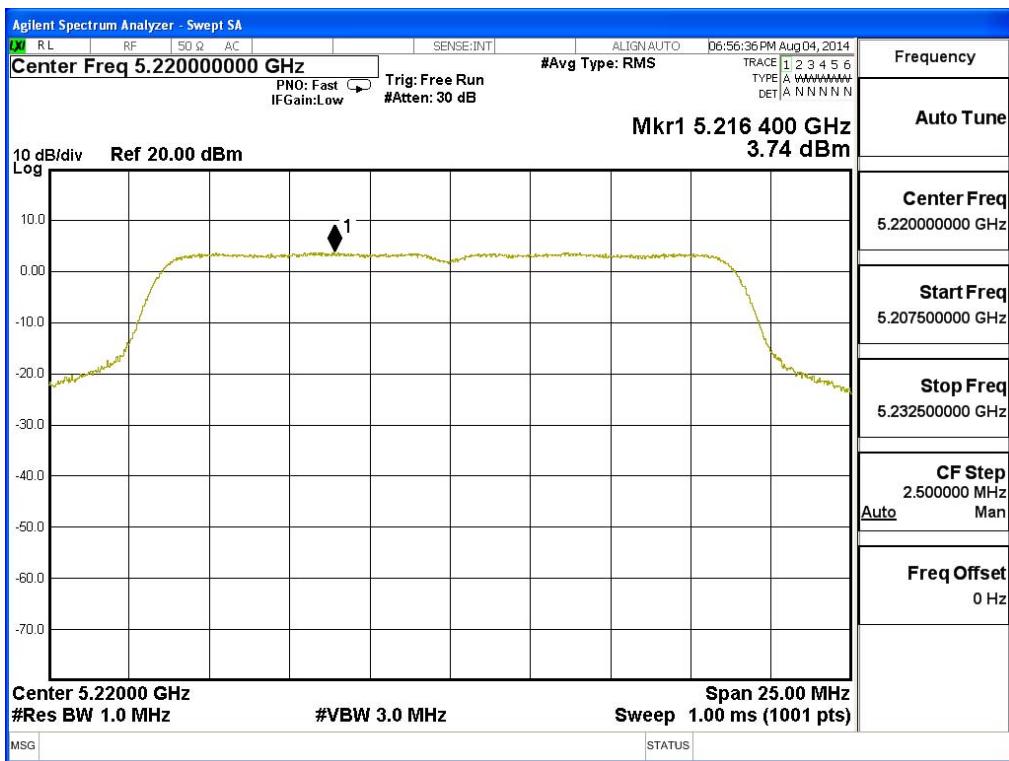
Product : TABLET PC
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 7.2Mbps)

Channel Number	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
36	5180	2.140	<4	Pass
44	5220	3.740	<4	Pass
48	5240	2.480	<4	Pass
52	5260	4.010	<11	Pass
60	5300	3.710	<11	Pass
64	5320	1.780	<11	Pass
100	5500	1.850	<11	Pass
116	5580	3.940	<11	Pass
140	5700	2.110	<11	Pass

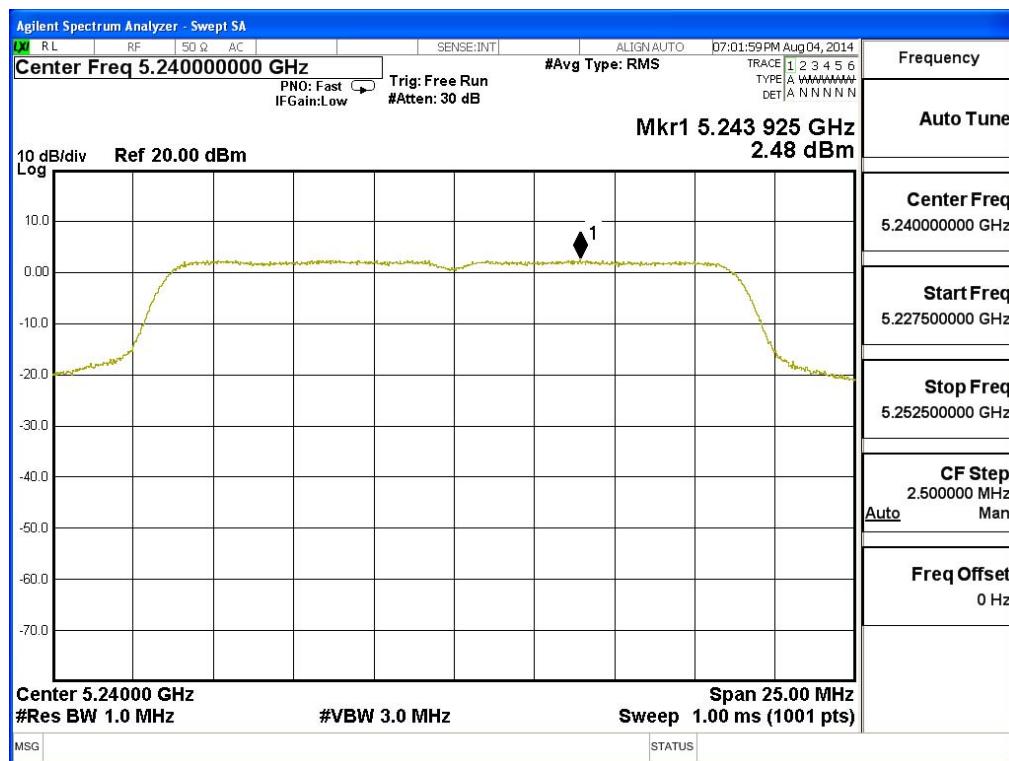
Channel 36



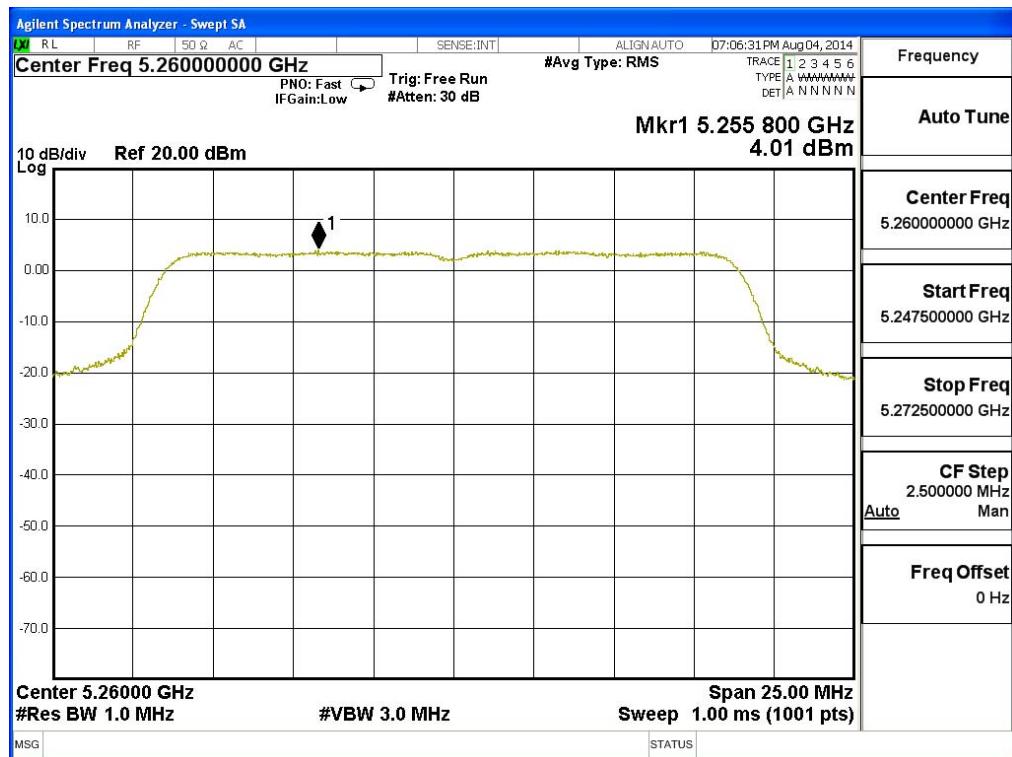
Channel 44



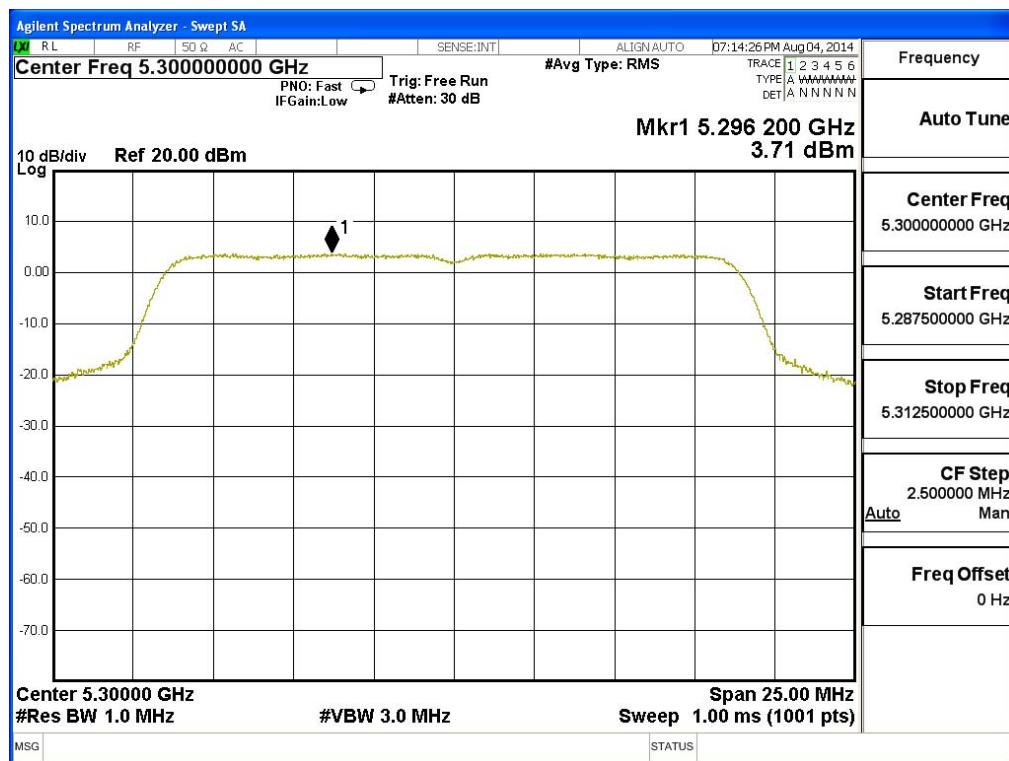
Channel 48



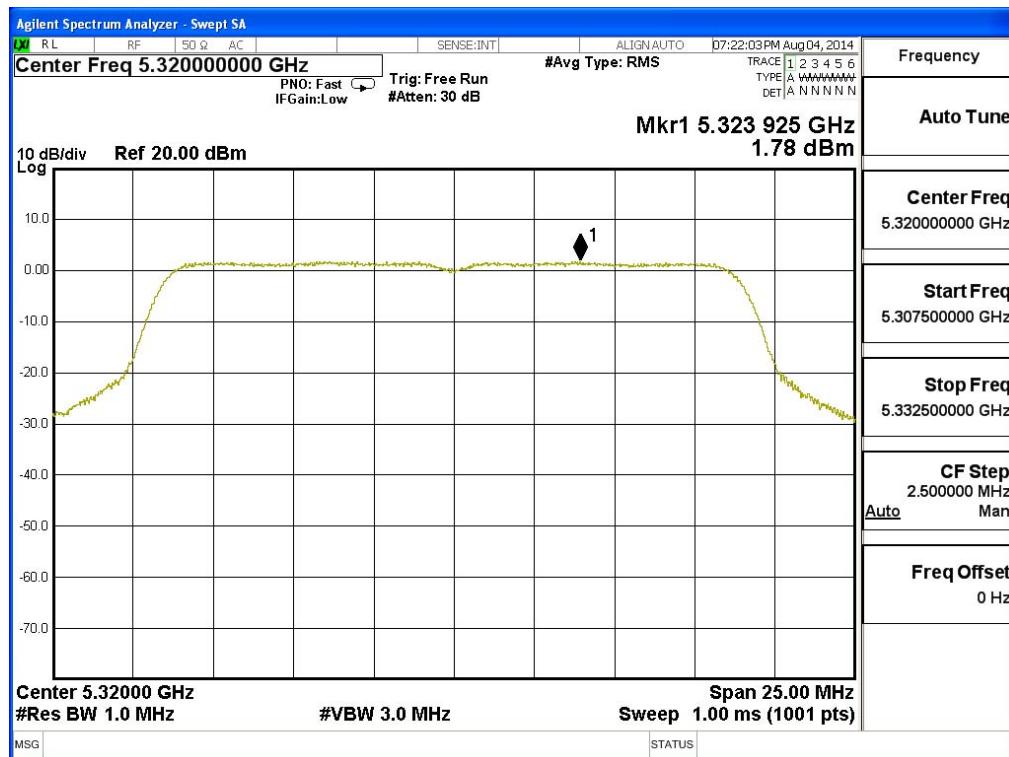
Channel 52



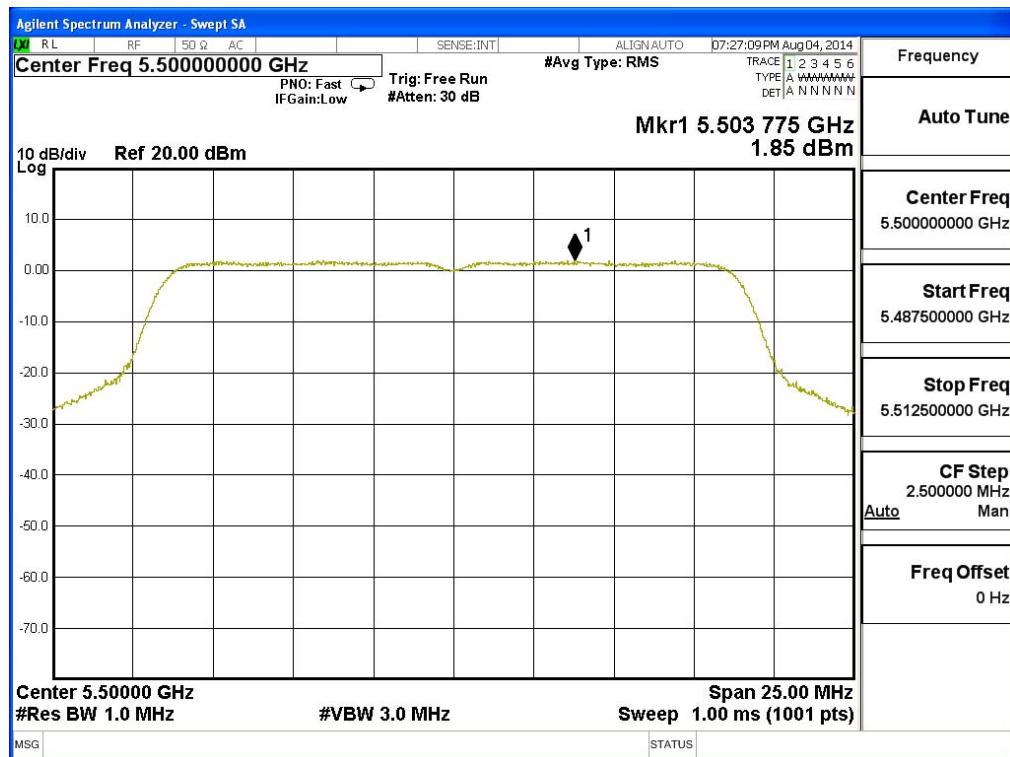
Channel 60



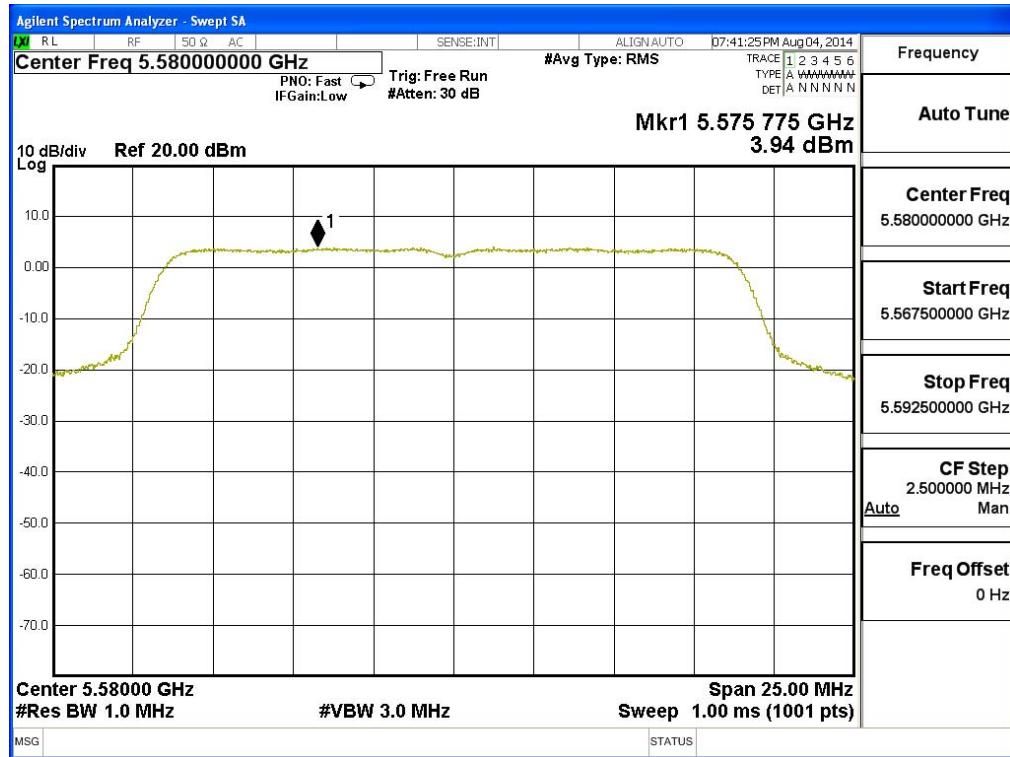
Channel 64



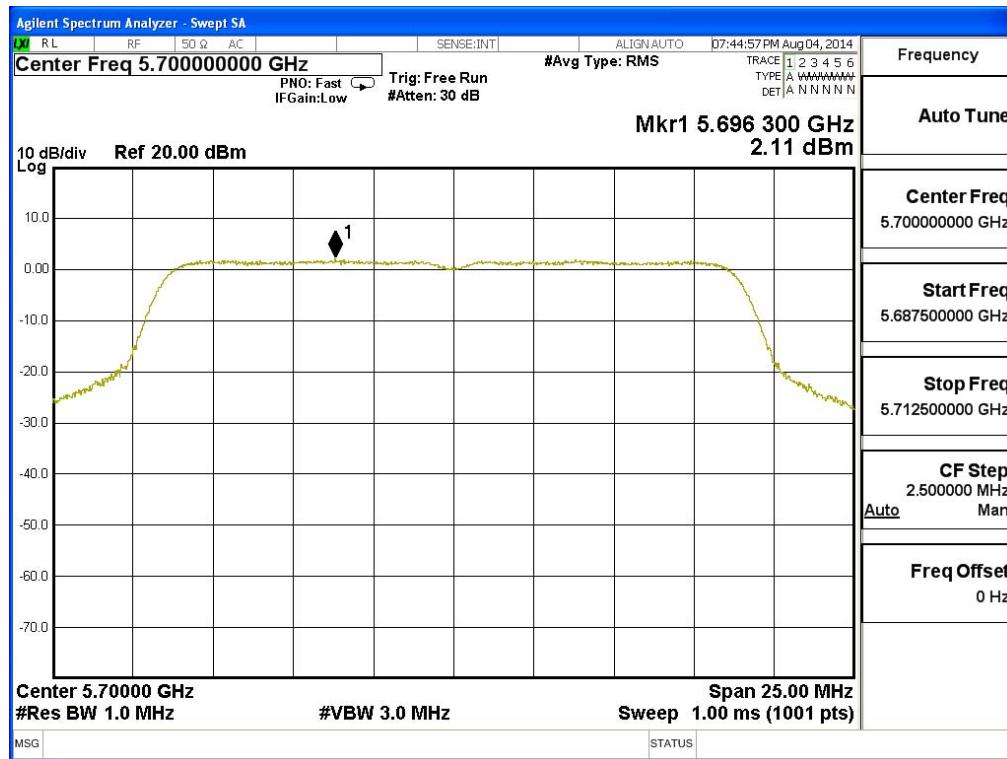
Channel 100



Channel 116



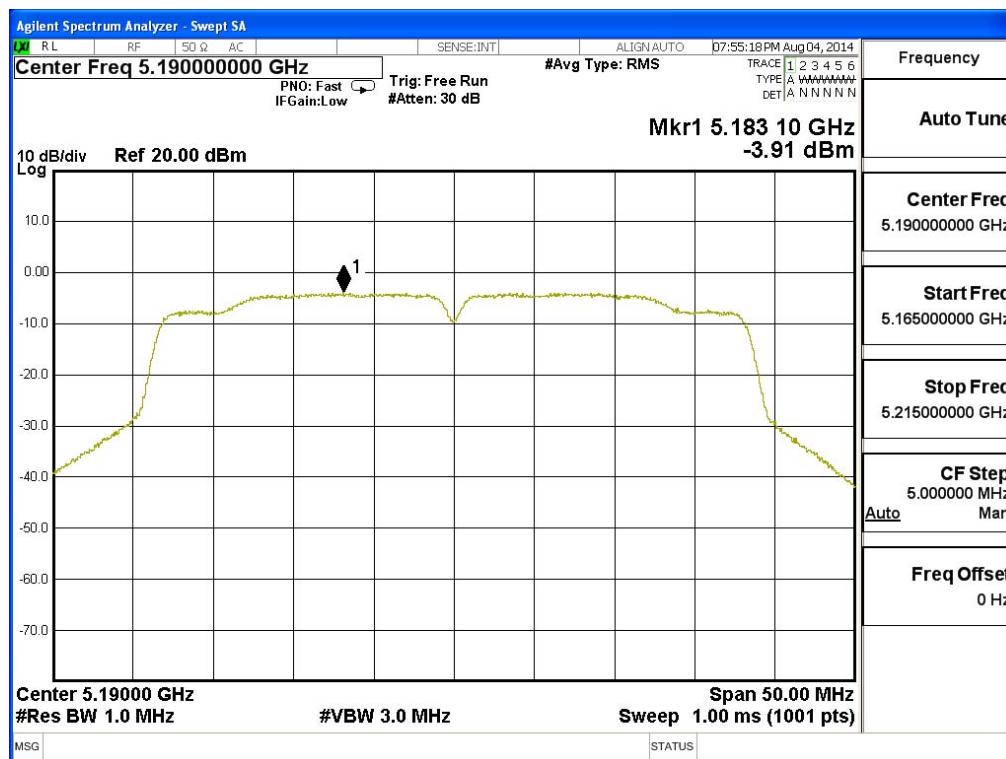
Channel 140



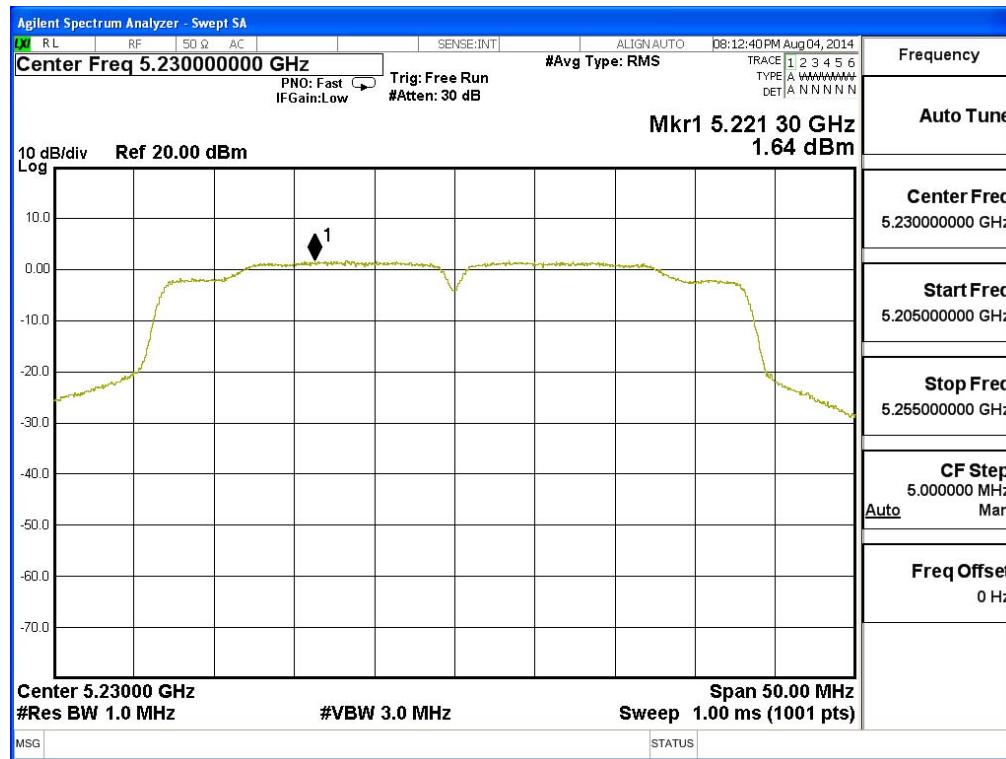
Product : TABLET PC
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 15Mbps)

Channel Number	Frequency (MHz)	Measurement Level (dBm)	Required Limit (dBm)	Result
38	5190	-3.910	<4	Pass
46	5230	1.640	<4	Pass
54	5270	-4.760	<11	Pass
62	5310	-3.170	<11	Pass
102	5510	-2.750	<11	Pass
110	5550	1.470	<11	Pass
134	5670	2.040	<11	Pass

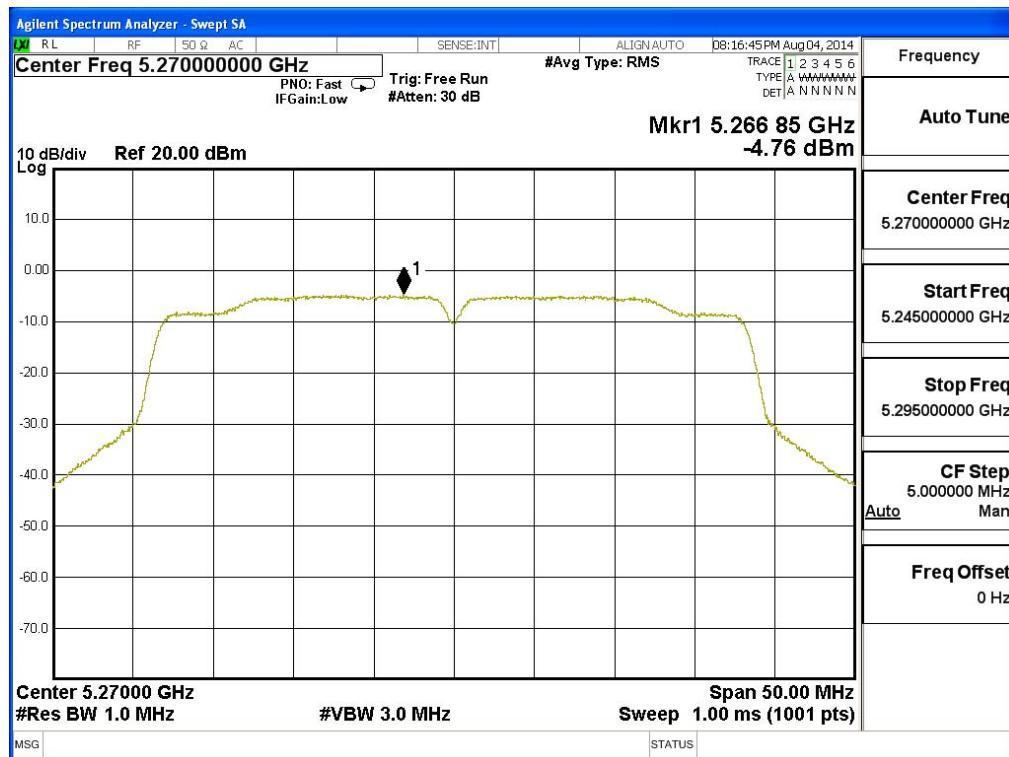
Channel 38



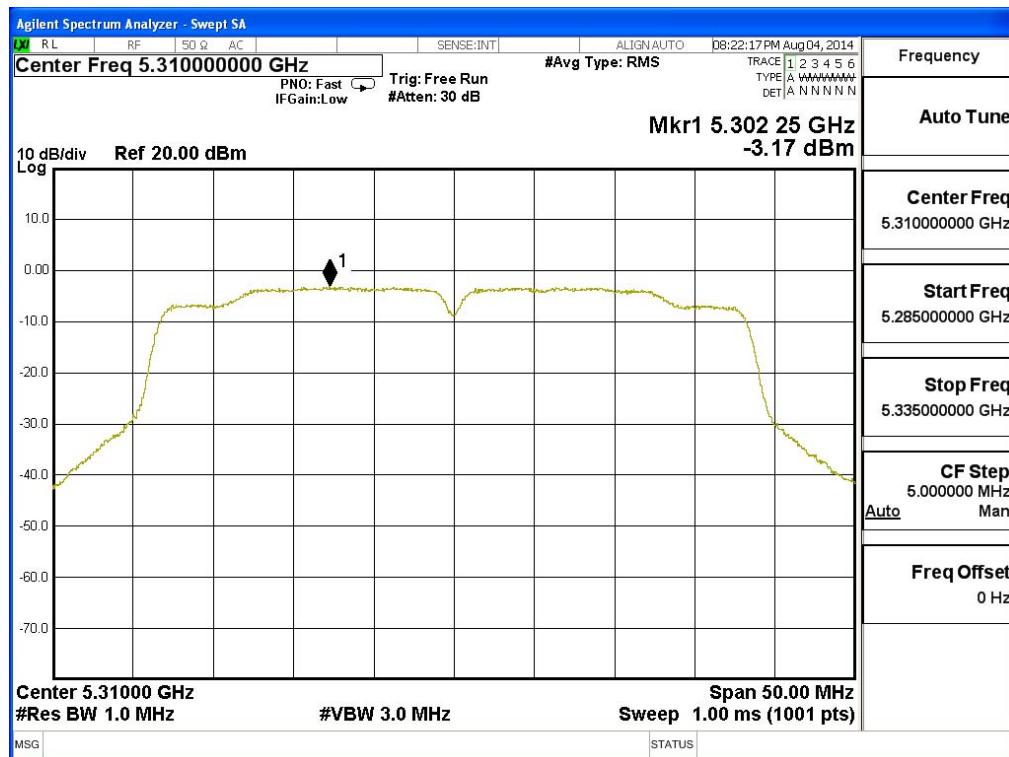
Channel 4



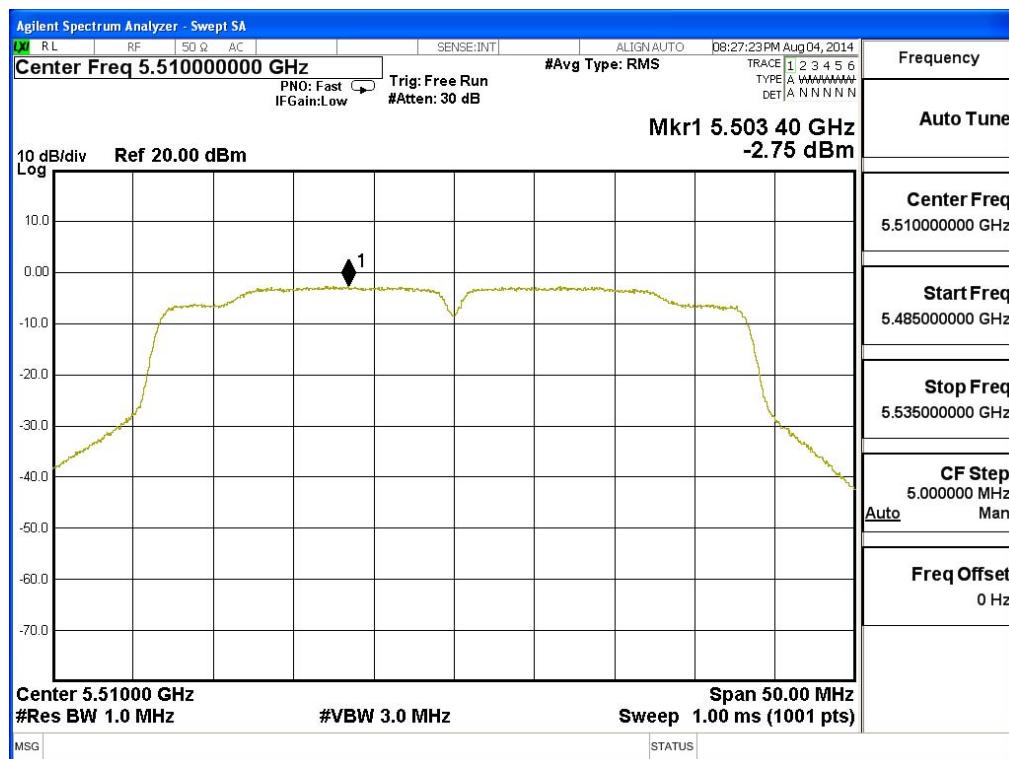
Channel 54



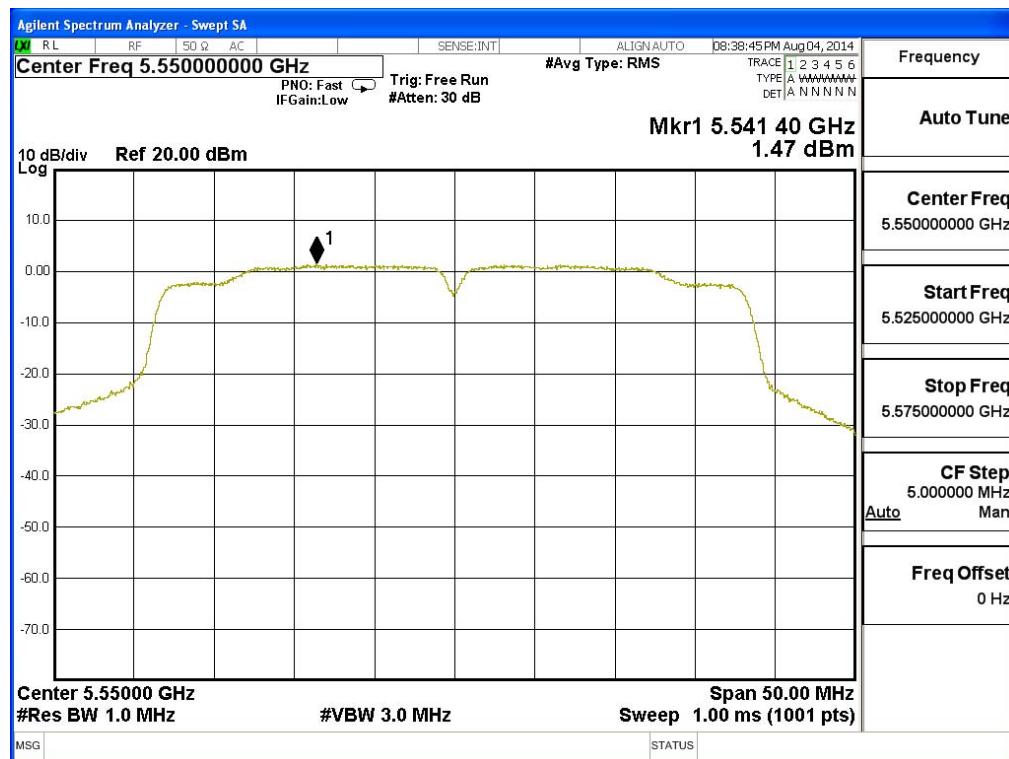
Channel 62



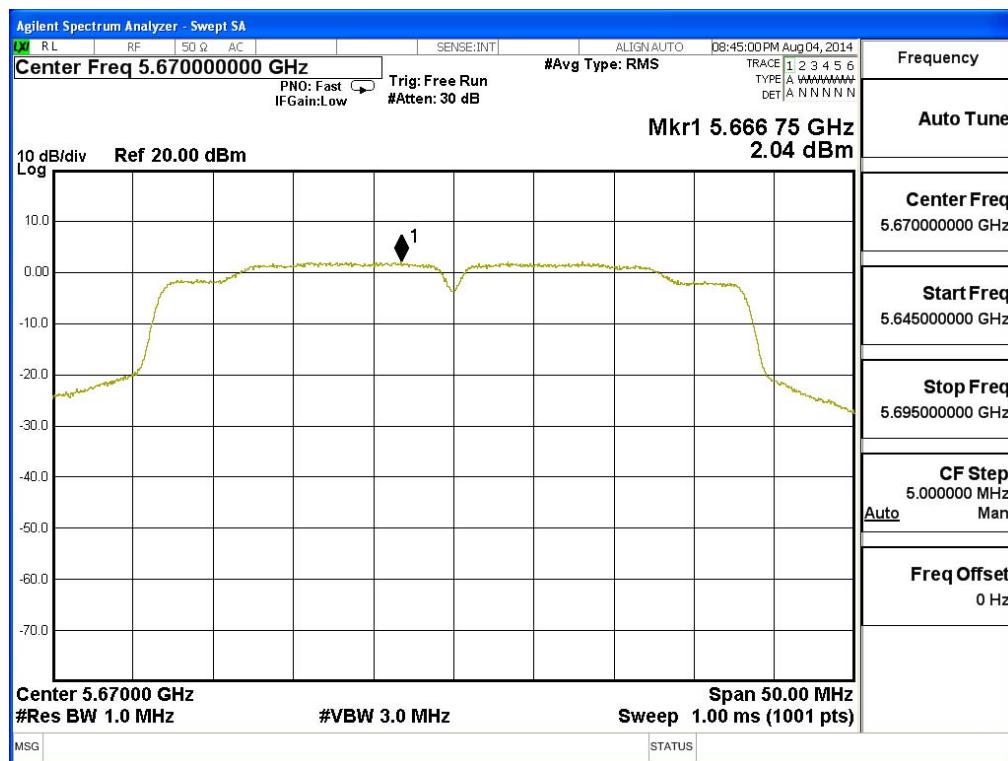
Channel 102



Channel 110



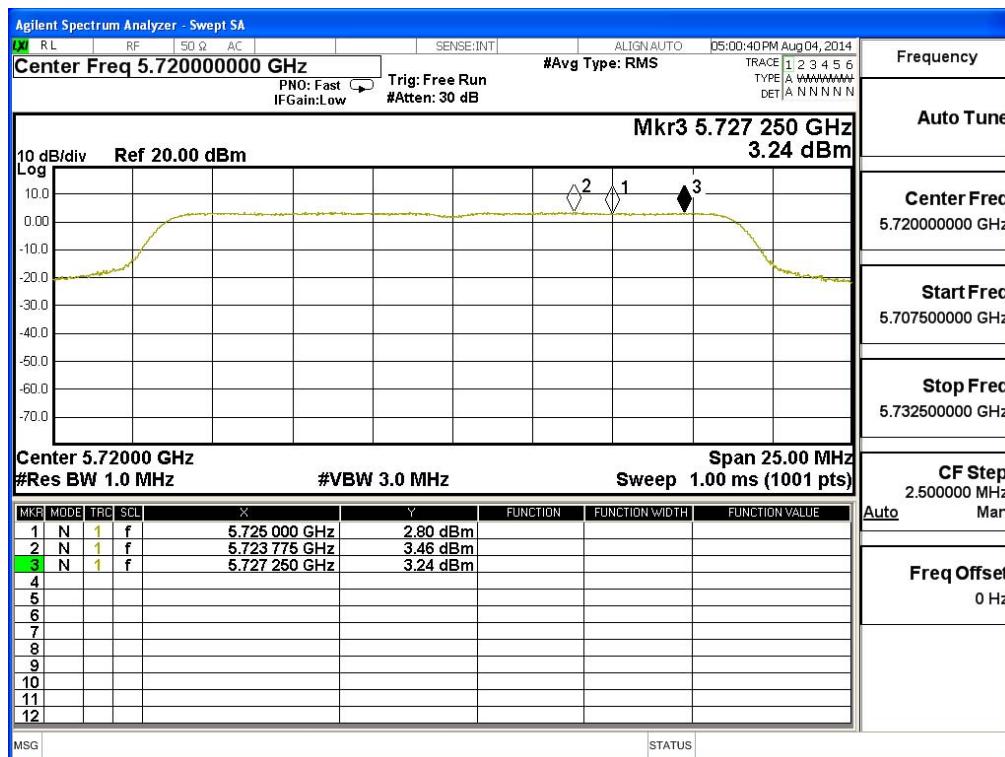
Channel 134



Product : TABLET PC
 Test Item : Peak Power Spectral Density
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit (802.11ac-20BW-7.2Mbps)

Channel Number	Frequency (MHz)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm) ₁	Required Limit (dBm)	Result
144	5720(Band3)	3.460	3.460	<11	Pass
	5720(Band4)	3.240	3.240	<11	Pass

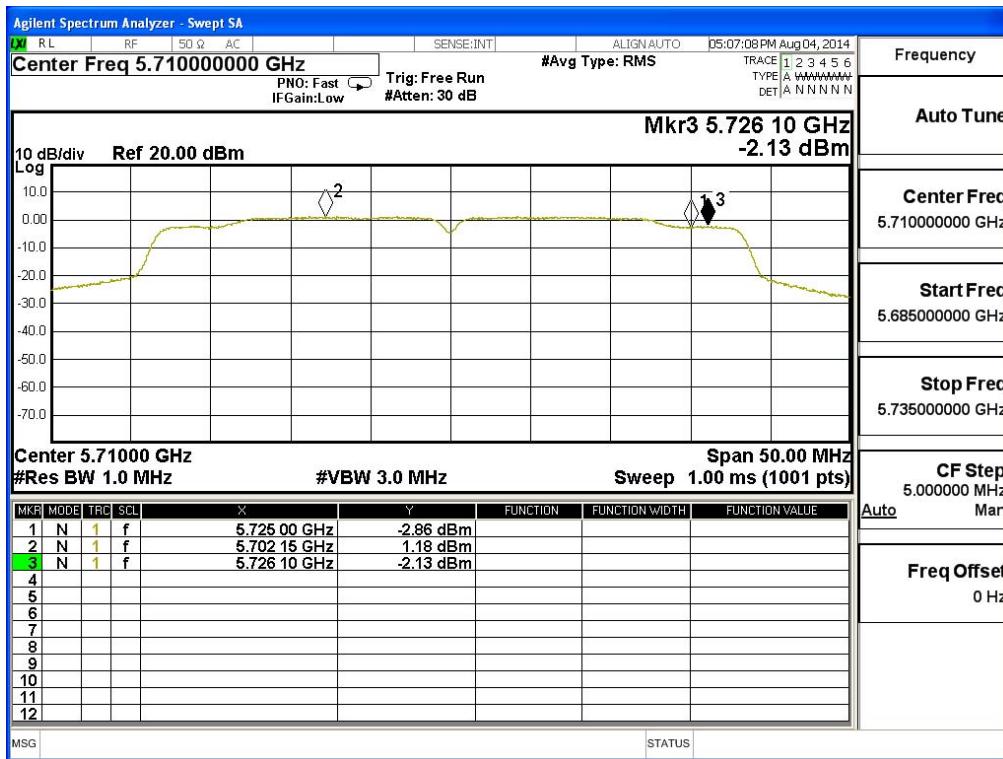
Channel 144



Product : TABLET PC
 Test Item : Peak Power Spectral Density
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps)

Channel Number	Frequency (MHz)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm) ₁	Required Limit (dBm)	Result
142	5710(Band3)	1.180	1.180	<11	Pass
	5710(Band4)	-2.130	-2.130	<11	Pass

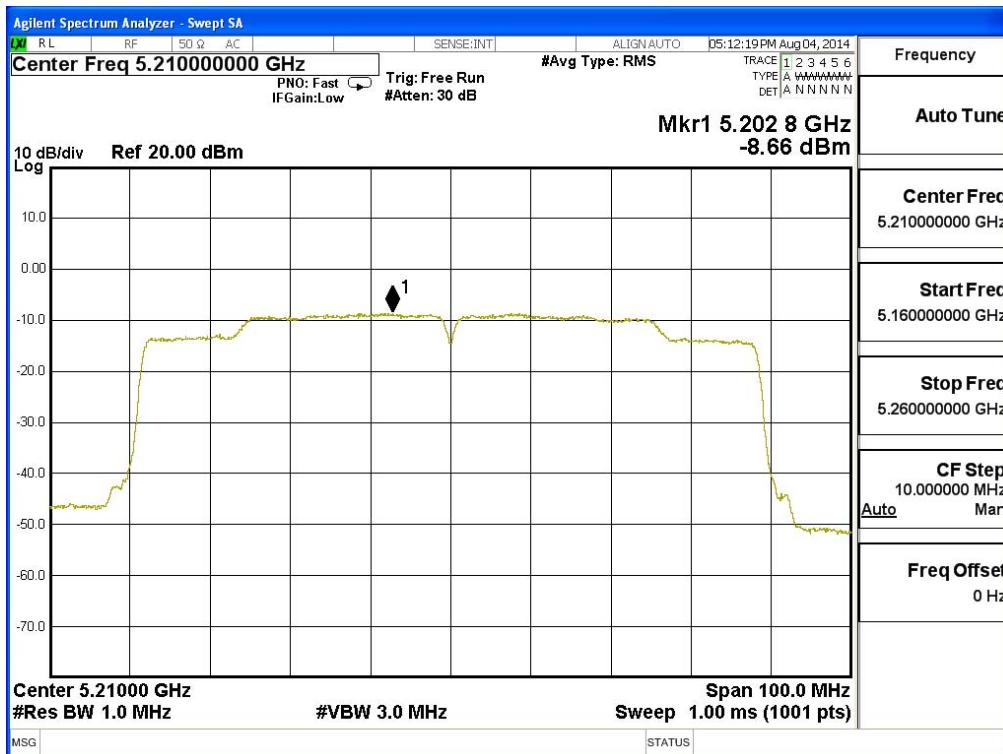
Channel 142



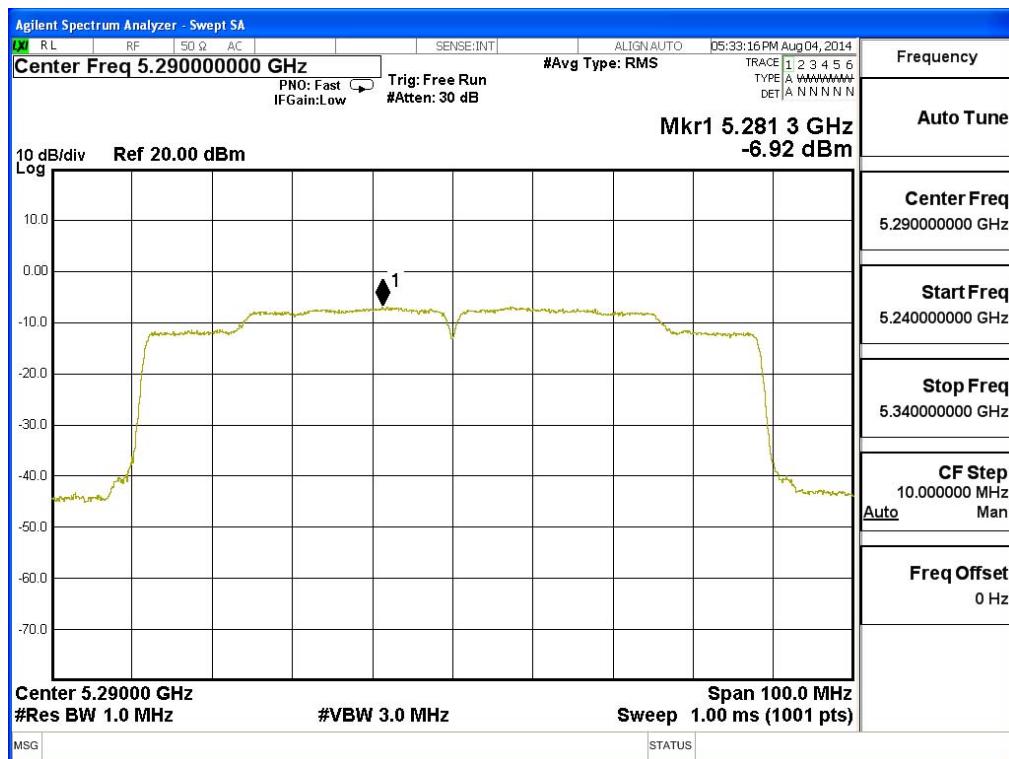
Product : TABLET PC
 Test Item : Peak Power Spectral Density
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit (802.11ac-40BW-15Mbps)

Channel Number	Frequency (MHz)	PPSD/MHz (dBm)	Total PPSD/MHz (dBm) _i	Required Limit (dBm)	Result
42	5210	-8.660	-8.660	<11	Pass
58	5290	-6.920	-6.920	<11	Pass
106	5530	-7.890	-7.890	<11	Pass
138	5690 (Band3)	-3.190	-3.190	<11	Pass
138	5690 (Band4)	-8.110	-8.110	<11	Pass
155	5775	-2.860	-2.860	<11	Pass

Channel 42



Channel 58



Channel 106

