

Agilent Spectrum Analyzer - Channel Power				
02 RL RF 50 Ω AC Center Freq 5.795000000 GHz	SENSE:INT Center Freq: 5.795000000 GHz	ALIGN AUTO	11:52:30 AM Apr 05, 2012 Radio Std: None	Frequency
+→- #IFGain:Low	Trig: Free Run Avg Hold #Atten: 20 dB	1: 10/10	Radio Device: BTS	
10 dB/div Ref 30.00 dBm				
				Center Freq 5.795000000 GHz
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-20.0 -30.0 -40.0		n Viterrijertige	hat the installing the hold in the second second	
-50.0				CE Sten
Center 5.795 GHz #Res BW 1 MHz	#VBW 3 MHz		Span 100 MHz Sweep 1 ms	10.000000 MHz <u>Auto</u> Man
Channel Power	Freq Offset 0 Hz			
17.34 dBm / 35.9 MHz				
MSG		STATUS		

Figure Channel 159: (Chain 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	Х	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2011
	Х	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2011
	Х	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2011
	Х	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2011
	Х	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2011
	Х	Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2012
	Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2011
	Х	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2011
	Х	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2012
	Х	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	Χ	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 Jan. 2012 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 bandwidth of the antenna. The worst radiated emission is measured in the Open Area Test Site on the Final Measurement. The measurement frequency range form 30MHz - 10th Harmonic of fundamental was investigated.

4.5. Uncertainty

- ± 3.9 dB above 1GHz
- ± 3.8 dB below 1GHz

4.6. Test Result of Radiated Emission

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

Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level		
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	39.850	43.111	-30.889	74.000
7236.000	10.650	36.260	46.910	-27.090	74.000
9648.000	13.337	36.640	49.976	-24.024	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
4824.000	6.421	39.780	46.201	-27.799	74.000
7236.000	11.495	36.730	48.225	-25.775	74.000
9648.000	13.807	36.710	50.516	-23.484	74.000
Average					
Detector:					

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC					
Test Item	: Harmonic Radiated Emission Data					
Test Site	: No.3 OATS					
Test Mode	: Mode 1:	Transmit - 802.1	1b 1Mbps (2437 MHz	z)		
Frequency	Correct	Reading	Measurement	Margin	Limit	
	Factor	Level	Level			
MHz	dB	dBuV	dBuV/m	dB	dBuV/m	
Horizontal						
Peak Detector:						
4874.000	3.038	39.730	42.767	-31.233	74.000	
7311.000	11.795	36.510	48.304	-25.696	74.000	
9748.000	12.635	37.080	49.715	-24.285	74.000	
Average						
Detector:						
Vertical						
Peak Detector:						
4874.000	5.812	41.320	47.131	-26.869	74.000	
7311.000	12.630	36.400	49.029	-24.971	74.000	
9748.000	13.126	36.550	49.676	-24.324	74.000	
Average						
Detector:						

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC					
Test Item	: Harmonic Radiated Emission Data					
Test Site	: No.3 OATS					
Test Mode	: Mode 1	: Transmit - 802.1	1b 1Mbps (2462 MH	z)		
Frequency	Correct	Reading	Measurement	Margin	Limit	
	Factor	Level	Level			
MHz	dB	dBuV	dBuV/m	dB	dBuV/m	
Horizontal						
Peak Detector:						
4924.000	2.858	40.180	43.037	-30.963	74.000	
7386.000	12.127	36.050	48.178	-25.822	74.000	
9848.000	12.852	37.560	50.413	-23.587	74.000	
Average						
Detector:						
Vertical						
Peak Detector:						
4924.000	5.521	40.480	46.000	-28.000	74.000	
7386.000	13.254	36.650	49.904	-24.096	74.000	
9848.000	13.367	37.110	50.477	-23.523	74.000	
Average						
Detector:						

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC					
Test Item	: Harmonic Radiated Emission Data					
Test Site	: No.3 OATS					
Test Mode	: Mode 2:	Transmit - 802.1	1g 6Mbps (2412MHz			
Frequency	Correct	Reading	Measurement	Margin	Limit	
	Factor	Level	Level			
MHz	dB	dBuV	dBuV/m	dB	dBuV/m	
Horizontal						
Peak Detector:						
4824.000	3.261	37.960	41.221	-32.779	74.000	
7236.000	10.650	36.460	47.110	-26.890	74.000	
9648.000	13.337	36.990	50.326	-23.674	74.000	
Average						
Detector:						
Vertical						
Peak Detector:						
4824.000	6.421	38.030	44.451	-29.549	74.000	
7236.000	11.495	36.850	48.345	-25.655	74.000	
9648.000	13.807	36.910	50.716	-23.284	74.000	
Average						
Detector:						

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC					
Test Item	: Harmonic Radiated Emission Data					
Test Site	: No.3 OATS					
Test Mode	: Mode 2:	Transmit - 802.1	1g 6Mbps (2437 MHz	z)		
Frequency	Correct	Reading	Measurement	Margin	Limit	
	Factor	Level	Level			
MHz	dB	dBuV	dBuV/m	dB	dBuV/m	
Horizontal						
Peak Detector:						
4874.000	3.038	39.410	42.447	-31.553	74.000	
7311.000	11.795	36.460	48.254	-25.746	74.000	
9748.000	12.635	36.860	49.495	-24.505	74.000	
Average						
Detector:						
Vertical						
Peak Detector:						
4874.000	5.812	41.980	47.791	-26.209	74.000	
7311.000	12.630	36.520	49.149	-24.851	74.000	
9748.000	13.126	37.020	50.146	-23.854	74.000	
Average						
Detector:						

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OA	: No.3 OATS					
Test Mode	: Mode 2:	Transmit - 802.1	1g 6Mbps (2462 MHz	z)			
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4924.000	2.858	38.560	41.417	-32.583	74.000		
7386.000	12.127	36.470	48.598	-25.402	74.000		
9848.000	12.852	36.300	49.153	-24.847	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
4924.000	5.521	37.880	43.400	-30.600	74.000		
7386.000	13.254	36.450	49.704	-24.296	74.000		
9848.000	13.367	37.000	50.367	-23.633	74.000		
Average							
Detector:							

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet P	С				
Test Item	: Harmonic Radiated Emission Data					
Test Site	: No.3 OATS					
Test Mode	: Mode 3: Transmit - 802.11a 6Mbps (5745 MHz)					
		D I'			.	
Frequency	Correct	Reading	Measurement	Margin	Limit	
	Factor	Level	Level			
MHz	dB	dBuV	dBuV/m	dB	dBuV/m	
Horizontal						
Peak Detector:						
11490.000	17.106	35.210	52.317	-21.683	74.000	
Average						
Detector:						
Vertical						
Peak Detector:						
11490.000	18.034	35.440	53.475	-20.525	74.000	

Detector:

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet P	C			
Test Item	: Harmonic Radiated Emission Data				
Test Site	: No.3 OATS				
Test Mode	: Mode 3	Transmit - 802.1	1a 6Mbps (5785 MHz	z)	
Frequency	Correct	Reading	Measurement	Margin	Limit
	Factor	Level	Level	-	
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal					
Peak Detector:					
11570.000	16.809	35.590	52.399	-21.601	74.000
Average					
Detector:					
Vertical					
Peak Detector:					
11570.000	17.698	35.740	53.438	-20.562	74.000

Detector:

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet P	С					
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 3:	Transmit - 802.1	1a 6Mbps (5825 MHz	z)			
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
11650.000	16.158	35.510	51.668	-22.332	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11650.000	17.274	35.890	53.165	-20.835	74.000		

Detector:

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

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Product	: Tablet PC	2					
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 4:	Transmit - 802.1	1n-20BW_14.4Mbps	(2.4G Band) (241	2MHz)		
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4824.000	3.261	38.340	41.601	-32.399	74.000		
7236.000	10.650	36.170	46.820	-27.180	74.000		
9648.000	13.337	36.680	50.016	-23.984	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
4824.000	6.421	42.580	49.001	-24.999	74.000		
7236.000	11.495	36.870	48.365	-25.635	74.000		
9648.000	13.807	37.320	51.126	-22.874	74.000		
Average							
Detector:							

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2437 MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4874.000	3.038	37.910	40.947	-33.053	74.000		
7311.000	11.795	36.040	47.834	-26.166	74.000		
9748.000	12.635	36.280	48.915	-25.085	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
4874.000	5.812	41.690	47.501	-26.499	74.000		
7311.000	12.630	36.610	49.239	-24.761	74.000		
9748.000	13.126	36.470	49.596	-24.404	74.000		
Average							
Detector:							

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2462 MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4924.000	2.858	37.520	40.377	-33.623	74.000		
7386.000	12.127	35.800	47.928	-26.072	74.000		
9848.000	12.852	36.570	49.423	-24.577	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
4924.000	5.521	39.320	44.840	-29.160	74.000		
7386.000	13.254	36.250	49.504	-24.496	74.000		
9848.000	13.367	36.440	49.807	-24.193	74.000		
Average							
Detector:							

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

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Product	: Tablet PC							
Test Item	: Harmonic Radiated Emission Data							
Test Site	: No.3 OATS							
Test Mode	: Mode 5:	: Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2422MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	dB	dBuV	dBuV/m	dB	dBuV/m			
Horizontal								
Peak Detector:								
4844.000	3.171	37.430	40.601	-33.399	74.000			
7266.000	11.162	35.620	46.782	-27.218	74.000			
9688.000	12.964	36.100	49.065	-24.935	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
4844.000	6.178	40.580	46.758	-27.242	74.000			
7266.000	11.982	36.210	48.192	-25.808	74.000			
9688.000	13.507	36.240	49.748	-24.252	74.000			
Average								
Detector:								

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC	2					
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2437 MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4874.000	3.038	37.410	40.447	-33.553	74.000		
7311.000	11.795	35.490	47.284	-26.716	74.000		
9748.000	12.635	37.410	50.045	-23.955	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
4874.000	5.812	40.160	45.971	-28.029	74.000		
7311.000	12.630	35.350	47.979	-26.021	74.000		
9748.000	13.126	36.050	49.176	-24.824	74.000		
Average							
Detector:							

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC						
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2452 MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
4904.000	2.914	37.500	40.415	-33.585	74.000		
7356.000	11.995	35.480	47.474	-26.526	74.000		
9808.000	12.475	36.040	48.515	-25.485	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
4904.000	5.530	38.360	43.891	-30.109	74.000		
7356.000	13.005	35.730	48.734	-25.266	74.000		
9808.000	12.901	36.230	49.131	-24.869	74.000		
Average							
Detector:							

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet P	С					
Test Item	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS						
Test Mode	: Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5745MHz)						
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
11490.000	17.106	35.740	52.847	-21.153	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11490.000	18.034	35.300	53.335	-20.665	74.000		

Detector:

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PO	C						
Test Item	: Harmoni	: Harmonic Radiated Emission Data						
Test Site	: No.3 OATS							
Test Mode	: Mode 6:	Transmit - 802.1	1n-20BW_14.4Mbps((5G Band) (5785	MHz)			
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	dB	dBuV	dBuV/m	dB	dBuV/m			
Horizontal								
Peak Detector:								
11570.000	16.809	35.660	52.469	-21.531	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
11570.000	17.698	35.150	52.848	-21.152	74.000			

Detector:

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet P	С					
Test Item	: Harmonic Radiated Emission Data						
Test Site	 No.3 OATS Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5825 MHz) 						
Test Mode							
Frequency	Correct	Reading	Measurement	Margin	Limit		
	Factor	Level	Level				
MHz	dB	dBuV	dBuV/m	dB	dBuV/m		
Horizontal							
Peak Detector:							
11650.000	16.158	35.010	51.168	-22.832	74.000		
Average							
Detector:							
Vertical							
Peak Detector:							
11650.000	17.274	35.420	52.695	-21.305	74.000		
Average							

Average Detector:

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Test Item Test Site Test Mode	 Tablet PC Harmonic Radiated Emission Data No.3 OATS Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band) (5755MHz) 					
Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m	
Horizontal						
Peak Detector:						
11510.000	17.124	35.630	52.754	-21.246	74.000	
Average Detector: 						
Vertical						
Peak Detector:						
11510.000	18.081	35.880	53.961	-20.039	74.000	

Detector:

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet P	С						
Test Item	: Harmon	: Harmonic Radiated Emission Data						
Test Site	: No.3 OA	ATS						
Test Mode	: Mode 7:	Transmit - 802.1	1n-40BW_30Mbps(5	G Band) (5795 M	lHz)			
Frequency	Correct	Reading	Measurement	Margin	Limit			
	Factor	Level	Level					
MHz	dB	dBuV	dBuV/m	dB	dBuV/m			
Horizontal								
Peak Detector:								
11590.000	16.701	35.500	52.200	-21.800	74.000			
Average								
Detector:								
Vertical								
Peak Detector:								
11590.000	17.567	35.940	53.506	-20.494	74.000			

Detector:

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC								
Test Item	: General	Radiated Emissio	on Data						
Test Site	: No.3 UA	AIS	1h 1Mhng (2427 MII	-)					
Test Widde	Juc : Mode 1. Hanshift - 302.110 Holps (2457 MHz)								
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal									
313.240	-4.111	40.394	36.283	-9.717	46.000				
359.800	-1.680	35.669	33.989	-12.011	46.000				
454.860	-0.779	35.636	34.856	-11.144	46.000				
596.480	4.017	39.652	43.669	-2.331	46.000				
722.580	3.496	33.847	37.343	-8.657	46.000				
854.500	6.626	33.446	40.072	-5.928	46.000				
Vertical									
212.360	-7.981	39.933	31.952	-11.548	43.500				
336.520	-4.630	37.963	33.333	-12.667	46.000				
530.520	-0.517	38.131	37.614	-8.386	46.000				
674.080	-0.501	38.962	38.461	-7.539	46.000				
817.640	3.272	36.823	40.095	-5.905	46.000				
916.580	1.524	37.862	39.386	-6.614	46.000				

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product Test Item	: Tablet PC General Radiated Emission Data								
Test Rem Test Site	· No 3 O	ATS	ni Data						
Test Mode	: Mode 2: Transmit - 802.11g 6Mbps (2437 MHz)								
			- 8	-)					
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB dBuV		dBuV/m	dB	dBuV/m				
Horizontal									
175.500	-10.017	46.628	36.610	-6.890	43.500				
311.300	-4.026	40.304	36.278	-9.722	46.000				
361.740	-1.549	38.803	37.254	-8.746	46.000				
470.380	1.226	35.517	36.743	-9.257	46.000				
596.480	4.017	38.567	42.584	-3.416	46.000				
817.640	5.532	33.263	38.795	-7.205	46.000				
Vertical									
171.620	-8.752	47.502	38.750	-4.750	43.500				
363.680	-2.393	38.651	36.258	-9.742	46.000				
596.480	-3.113	44.945	41.832	-4.168	46.000				
674.080	-0.501	38.458	37.957	-8.043	46.000				
771.080	3.115	39.586	42.701	-3.299	46.000				
912.700	1.762	37.514	39.276	-6.724	46.000				

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC								
Test Item	: General Radiated Emission Data								
Test Site	: No.3 O	ATS							
Test Mode	: Mode 3: Transmit - 802.11a 6Mbps (5785MHz)								
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal									
315.180	-4.186	39.603	35.417	-10.583	46.000				
398.600	-2.268	39.145	36.877	-9.123	46.000				
458.740	0.833	37.229	38.062	-7.938	46.000				
577.080	3.169	37.383	40.552	-5.448	46.000				
716.760	3.537	34.141	37.678	-8.322	46.000				
930.160	7.187	32.676	39.863	-6.137	46.000				
Vertical									
212.360	-7.981	42.124	34.143	-9.357	43.500				
398.600	-4.678	38.664	33.986	-12.014	46.000				
547.980	-2.088	41.939	39.851	-6.149	46.000				
625.580	-2.600	37.137	34.537	-11.463	46.000				
769.140	2.923	36.394	39.317	-6.683	46.000				
968.960	8.191	32.486	40.677	-13.323	54.000				

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC								
Test Item	: General	Radiated Emissic	on Data						
Test Site	: No.3 OA	ATS							
Test Mode	: Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2437 MHz)								
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal									
305.480	-2.929	37.619	34.690	-11.310	46.000				
400.540	-2.276	39.499	37.223	-8.777	46.000				
454.860	-0.779	39.622	38.842	-7.158	46.000				
579.020	3.414	37.748	41.162	-4.838	46.000				
697.360	3.171	35.545	38.716	-7.284	46.000				
930.160	7.187	32.342	39.529	-6.471	46.000				
Vertical									
206.540	-7.705	42.300	34.595	-8.905	43.500				
398.600	-4.678	37.173	32.495	-13.505	46.000				
549.920	-2.877	39.734	36.857	-9.143	46.000				
625.580	-2.600	38.068	35.468	-10.532	46.000				
767.200	2.575	36.281	38.856	-7.144	46.000				
965.080	7.932	31.917	39.849	-14.151	54.000				

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC								
Test Item	: General Radiated Emission Data								
Test Site	: No.3 OA	ATS							
Test Mode	: Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2437 MHz)								
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal									
187.140	-11.377	45.038	33.661	-9.839	43.500				
398.600	-2.268	40.570	38.302	-7.698	46.000				
441.280	-2.294	40.182	37.888	-8.112	46.000				
577.080	3.169	37.717	40.886	-5.114	46.000				
674.080	2.799	34.711	37.510	-8.490	46.000				
937.920	6.406	32.828	39.234	-6.766	46.000				
Vertical									
212.360	-7.981	43.044	35.063	-8.437	43.500				
336.520	-4.630	36.564	31.934	-14.066	46.000				
530.520	-0.517	36.485	35.968	-10.032	46.000				
625.580	-2.600	36.900	34.300	-11.700	46.000				
722.580	-0.114	38.953	38.839	-7.161	46.000				
864.200	0.661	35.146	35.807	-10.193	46.000				

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC								
Test Item	: General Radiated Emission Data								
Test Site	: No.3 O	ATS							
Test Mode	: Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5785 MHz)								
			_ 1		,				
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal									
231.760	-8.338	41.169	32.831	-13.169	46.000				
315.180	-4.186	39.245	35.059	-10.941	46.000				
398.600	-2.268	38.182	35.914	-10.086	46.000				
577.080	3.169	39.180	42.349	-3.651	46.000				
854.500	6.626	33.055	39.681	-6.319	46.000				
918.520	6.396	33.374	39.770	-6.230	46.000				
Vertical									
210.420	-7.882	42.952	35.071	-8.429	43.500				
336.520	-4.630	37.740	33.110	-12.890	46.000				
398.600	-4.678	38.003	33.325	-12.675	46.000				
547.980	-2.088	39.202	37.114	-8.886	46.000				
771.080	3.115	38.410	41.525	-4.475	46.000				
967.020	8.071	32.653	40.724	-13.276	54.000				

- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: Tablet PC								
Test Item	: General Radiated Emission Data								
Test Site	: No.3 OA	ATS							
Test Mode	: Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band) (5755MHz)								
					,				
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal									
229.820	-8.162	41.663	33.501	-12.499	46.000				
315.180	-4.186 39.901		35.715	-10.285	46.000				
437.400	-1.960	37.199	35.239	-10.761	46.000				
577.080	3.169	39.342	42.511	-3.489	46.000				
672.140	2.291	35.136	37.427	-8.573	46.000				
930.160	7.187	32.746	39.933	-6.067	46.000				
Vertical									
214.300	-8.101	42.122	34.021	-9.479	43.500				
398.600	-4.678	39.859	35.181	-10.819	46.000				
544.100	-0.688	35.200	34.512	-11.488	46.000				
625.580	-2.600	35.807	33.207	-12.793	46.000				
771.080	3.115	36.232	39.347	-6.653	46.000				
967.020	8.071	32.193	40.264	-13.736	54.000				

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- 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. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

5. **RF** antenna conducted test

5.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Х	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

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 Jan. 2012 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 ± 1.27 dB

5.6. Test Result of RF antenna conducted test

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

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

D0 RL RF Center Freq S 10 Block Ref 10.0 0.00 0.00 -10.0	20.00 dBm	IZ NO: Fast Trig Gain: Low Att	(SENSE:INT) ; Free Run en: 30 dB	Avg Type	ALIGNAUTO : Log-Pwr Mkr	04:03:49 P 7940 194 1908.6 -54.3	MF60 29,2012 E1 2 3 4 5 6 EMWANNAN TP NNNNN 26 MHz 38 dBm	Frequency Auto Tune Center Freq
10.dB/div Ref 2 10.0 0.00 -10.0 -20.0 -30.0	20.00 dBm	NO: Fast C ¹¹ 's Gain:Low Atto	n: 30 dB		Mkr	1 908.6 -54.:	26 MHz 38 dBm	Auto Tune Center Frea
10.0 0.00 -10.0 -30.0								Center Freq
-10.0 -10.0 -20.0		1 1						515.DDDDDD MHz
-20.0								Start Freq 30.000000 MHz
100							-17:54 den	Stop Freg 1.00000000 GHz
-40.0							1	CF Step 97.000000 MHz <u>Auto</u> Man
-60.0 <mark>Martin (2.1</mark> 1			ter ble ou	er for en en else			akata min	Freq Offset 0 Hz
Start 30.0 MHz #Res BW 100 ki		#VBW 1.0	MHz		Sweep 9	Stop 1.0 3.0 ms (1	000 GHz 0001 pts)	

Agilant Spects	um Annlyzur - Sv	mpt Sit								
Center F	req 6.5000)))))))))))))) ())) ()) ())) ())) ())) ())) ()) ()) ())) ()))) ()) ()) ())) ())) ())) ())) ()) ()) ()) ())) ())) ()) ()) ())) ())) ()) ()))) ()))) ()))) ()))) ()))) ()))) ()))) ()))) ()))) ()))) ())))) ()))) ())))))	Hz	SE	NSE:INT	Avg Type	ALIGNAUTO E: Log-Pwr	04:03:13 P TRA: TV	MFeb 29, 2012 E 1 2 3 4 5 6	Frequency
10 dB/div	Ref 20.00	dBm	NU: Fast LyJ Sain:Luw	Atten: 33	46		Mk	ہ 11 2.41 r1 2.	0 2 GHz 46 dBm	Auto Tune
10.0										Center Freq 6.50000000 GHz
-10.0										Start Fred 1.00000000 GH:
-20.0									-17.54 dBn	Stop Freq 12.00000000 GHz
-10.0				a habin and see						CF Step 1.10000000 GH: <u>Auto</u> Mar
-au u <mark>terti sit</mark> i	ant and						an disartat	an beddin Argentau		Freq Offset 0 Hz
Start 1.00 #Res BW	0 GHz 100 kHz		#VBW	1.0 MHz			Sweep	Stop 12 1.02 s (1	.000 GHz 0001 pts)	
MSG 🔱 Poin	s changed; all	traces clear	red				STATUS	4		

Agiler	nt Spectrum A	nalyzer - Swa	ept SA								
1,00 A	L j N	F [50.9	AL.		j 38	®e:NNį́	1	ALIGNAUTO	04:04:251	Mitelo 29, 2012	Erequency
Cen	ater Freq	18.500	000000	GHz	Trig Free	Run	Avg Type	: Log-Pwr	RAS TY	E 1 2 3 4 5 6	requeries
			1E	الے با RU:Fast Gain:Low	Atten: 30	dВ			8	_{EZ} P'NNNNN	1
								Mkr	1 23 62	3 3 GH7	Auto Tune
		£ 00 00 -							_40	20 dBm	{
Log	BIOIN KE	a 20.00 C	16111	,			,	,	-+v.		
-			}							1	Center Fred
10.0			{					{	}	l 1	Genterried
10.0											18.50000000 GHz
	1		1							1	
0.08			1								01-15-11
			}							1	StartFreq
-10.0									-	- 1	12.000000000 GHz
										47:34 dBm	
-20.0											
			1							1	Stop+req
-30.0											25.000000000 GHz
	1 1		Į	[]				1		1. 1	
										Y 1	CESten
-40.0											1.30000000 CHz
			į .		and a state	le cer den	ALL Balleton	المتعققة العما	a state of the second		Auto Man
-58.8		al Path	line de la contra				A CONTRACTOR OF STATE		1		
	a sharks a	and the second								1	
-60.0	19	100	-						-	- 1	Freq Offset
			}							} }	0 Hz
-70.0			<u> </u>	1							
										1	
			1								
Star	t 12.000 (GHZ							Stop 25	.000 GHz	
#Re	s BW 100	KHZ		#VB₩	1.0 MHz			Sweep	1.20 s (1	0001 pts)	
MSG 🔍	Alignmen	t Complete	əd					STATUS			

Agilent Spectrum Analyzer - Swept	SA					
0/ RL RF 50Ω /	AC I	SENSE:IN	ត] <u>រ</u>	ALIGN AUTO	04:10:55 PMFeb 29, 2012	Frequency
Center Freq 515.0000	OU MHZ PNO: Fast G IFGain:Low	Trig: Free Run Atten: 30 dB	Avg Type:	Mkr	1 913.573 MHz	Auto Tune
						Center Freq 515.000000 MHz
-10.0					-10.49±20	Start Free 30.000000 MH:
-20.0						Stop Free 1.000000000 GH
-40.0					1	CF Ster 97.000000 MH Auto Mar
-60.0	E energia en electro de Est	erigid gestered gestere in in internet			i an an deili in air	Freq Offse 0 H
70.0 Start 30.0 MHz					Stop 1.0000 GHz	
#Res BW 100 kHz MSG () File <lmage.png> save</lmage.png>	# VBW	1.0 MHz	S	weep 90 STATUS	.0 ms (10001 pts)	

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

Agilent Spectrum Analyzer - Swe	ept SA				
© RL №F 50 Ω Center Freq 6.50001	AC DOODO GHZ	SENSE:INT Avg Ty Free Run	ALIGNAUTO pe: Log-Pwr	04:10:19 PMFeb 29,2012 TRACE 1 2 3 4 5 6 TVFC ACMMMMMM	Frequency
10 dB/dly Ref 20.00 d	IFGain:Low Atte	n: 30 dB	Mk	r1 2.438 8 GHz 3.51 dBm	Auto Tune
10.0					Center Freq 6.500000000 GHz
-10.0					Start Freq 1:00000000 GHz
-20.0				18.49/dbm	Stop Freq 12.00000000 GHz
-40.0					CF Step 1.100000000 GHz <u>Auto</u> Man
-50.0					Freq Offset 0 Hz
Start 1.000 GHz #Res BW 100 kHz	#VBW 1.0 M	4Hz	Sweep	Stop 12.000 GHz 1.02 s (10001 pts)	



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

Agile	nt Spectre	um Analyzer - S	wept SA										
Cer	nter Fr	⊪⊧ ∣so req 515.0	00000 MI	Hz	SB	NSE:INT	Avg Typ	ALIGNAUT e: Log-Pw	0 04:19:01 F 7 TRA 70	MFeb 29, 2012 CE 1 2 3 4 5 6	Frequency		
10 d	10 dB/dlv Ref 20.00 dBm -53.85 dB -53.85 dB												
10.0											Center Freq 515.000000 MHz		
0.06 -10.0										-15.40 dBm	Start Freq 30.000000 MiHz		
-20.0 -30.0	i										Stop Freq 1.000000000 GHz		
-40.0 -50.0										1	CF Step 97.000000 MHz <u>Auto</u> Man		
-00.0	nistaint.			and a tota	e de sér e insel	erteertiis.	din state	an infe	t i ménadoji		Freq Offset 8 Hz		
Star #Re	rt 30.0 s BW	MHz 100 kHz		#VBW	1.0 MHz			Sweep	Stop 1. 90.0 ms (1	0000 GHz 10001 pts)			



Agiler	nt Spectru	m Anaiya	ter - Swi	ept 5A								
Cen	ter Fr	⊮⊧ eq 6.	0000 5000	AL 00000 (Hz	%# 	NSEONI (Ávg Type	ELIGNAUIU	04:18:25 F	Miteb 29, 2012	Frequency
10 dB/div Ref 20.00 dBm 3.60 dB Cerl® NNNNN Log												
10.0		•	,1—									Center Freq 6.500000000 GHz
0.00 -10.0											-15 40 dBr	Start Freq 1.000000000 GHz
-20.0 -30.0												Stop Freq 12.00000000 GHz
-40.0 -58.0					had	antine su						CF Step 1.10000000 GHz Auto Man
-60.0	اليوليو. •	للجلي										Freq Offset 0 Hz
-7010 Star #Re	t 1.000 s BW 1	GHz	z		#vBw	1.0 MHz			Sweep	Stop 12 1.02 s (1	.000 GHz 0001 pts)	
MSG	Points	s chang	ed; all i	traces clei	ared				STATUS	4		



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

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







Agilen	t Spectru	m Analyzer - S	wept 54									
Cen	ter Fr	⊪ ∣∞ eq 18.50	0000000	GHz	j se Trier From	NSEONTÍ	Ávg Type	ELIGNADIO	04:36:27 F	MHeb 29, 2012 2012 3 4 5 6	Frequency	
IFGain:Low Atten: 30 dB certP NNNN 10 dB/div Ref 20.00 dBm -41.20 dBm												
10.0											Center Freq 18.500000000 GHz	
0.88 -10.0											Start Freq 12.00000000 GHz	
-20.0 -30.0										-22.35 (897	Stop Freq 25.00000000 GHz	
-40:0 -58:8			nelt Marte							1	CF Step 1.30000000 GHz Auto Man	
-60.0											Freq Offset 0 Hz	
-70.D	t 12.00	IO GHZ		+11/23/10/	4 0 88Um			Quinan	Stop 25	.000 GHz		
MSG	File <	mage.png>	saved	#VDVV				STATUS	1.20 5 (1	uuu i pisj		

Agilen	it Spectrum i	Analyzer - Sv	wept S&								
DU RI	tor Eron	RF 50 9	Q AC	<u>الا</u> م	SB]	NSE:INT)	Ava Tasa	ALIGN AUTO	04:43:00 F	MFeb 29, 2012	Frequency
10 di	Bidiv R	ef 20.00	dBm	eraz PNO:Fast 🖵 IFGain:Low	^j Trig: Free Atten: 30	⊧dB dB		Mi	(r1 832.3 -53.	884 MHz 62 dBm	Auto Tune
10.0											Center Freq 515.000000 MHz
0.08											Start Free 30.000000 MH:
-2010										-17.94 dBm	Stop Free 1.00000000 GH
-40.0											CF Ster 97.000000 MH Auto Mar
-50.0 -60.0	So SS ST	s plains	د اندوس ان	kin or elser	nan juj kradi Mangan katad		and the second				FreqOffse
70.D											
Star #Re:	t 30.0 Mi s BW 10	Hz D kHz	1	#VBW	1.0 MHz	1	, ,	Sweep	Stop 1.0 90.0 ms (1	0000 GHz 0001 pts)	
MSG 🔍	€File <lm< td=""><td>age.pag> :</td><td>saved</td><td></td><td></td><td></td><td></td><td>STAT</td><td>JS</td><td></td><td>.</td></lm<>	age.pag> :	saved					STAT	JS		.

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

Agilent Sp	pectrum An	alyzer - Swi	ept S&								
Conto	RF	50.9	AC DODDO C	11-	SB	NSE:INT]	Sun Tune	ALIGNAUTO	04:42:24 P	MFeb 29, 2012	Frequency
Cente	rreq	0.3000	00000 G	⊓Z N0:Fast ⊊	¹ Trig: Free	Run	013 Ma	. Log-i wi	719	C MWWWW	
			íF	Gain:Low	Atten: 30	68		8.91.			Αυτο Τυπε
			1 1 2-00					INIK	ri 2.43 2	44 GHZ 96 dBm	
	w Re	20.00 0				í	1				
											Center Freq
10.0		1		$\left \right $		[- 1	6.500000000 GHz
		† '				{					-
0.00		+	1								01-15-11
			}			}]]	Start Freq
-10.0			1								1.00000000 GHz
		-	-							-17.94 dBm	
-20.0			1								Stop Freq
30.0			1								12.000000000 GHz
-30.0											
-40.0		_	1								CF Step
			1			1				1	1.10000000 GHz
-50.0		_		1	a sa ta						Auto Man
	- La statella	المسابقة أرا	a start and a start of the	a distant	- and a starter		A Dependence	a to discourse	approximation.	المرجع والأواد	
-60.0	-		Contract of	14.0			1000	fores and the state	As a second second	Internet 1	Freq Offset
						{					0 Hz
-701D			-								
			1	1		ĺ				1	
Start 1	.000 GI	z	2	5 5			1		Stop 12	.000 GHz	
#Res E	3W 100	kHz		#VB₩	1.0 MHz			Sweep	1.02 s (1	0001 pts)	
мэд 鎮 F	Points cha	inged; all	traces clea	red				STATUS			





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

Agila	at Spectru	m Analyzar - S	wapt Sit								
Cer	nter Fr	eq 515.0	o ac 00000 MH	łz	SB	NSE:INT)	Avg Ty	ALIGNAUTO pe: Log-Pwr	04:51:11 P	4Feb 29, 2012 E 1 2 3 4 5 6	Frequency
10 d	B/div	Ref 20.00	ہ dBm	WO:Fast 🦕 Gain:Low	Atten: 33	46		Mk	r1 928.0 -54.	26 MHz 14 dBm	Auto Tune
10.0											Center Freq 515.000000 MHz
0.00 -10.0											Start Freq 30.000000 MHz
-20.0 -30.0										-22:23:487	Stop Freq 1.00000000 GHz
-46.0 -56.0										1	CF Step 97:00000 MHz <u>Auto</u> Man
-ຍນ.ນ	posid	dat na statio	ilaise läise i			let fer lega e	ie mineria fan				Freq Offset 0 Hz
-/00 Star #Re	rt 30.0 s BW 1	MHz 100 kHz	saved	#VBW	1.0 MHz			Sweep s	Stop 1.0 90.0 ms (1	000 GHz 0001 pts)	



Agiler	nt Spectru	m Anaiyz	er - Swe	ept 54								
Cen	ter Fr	⊮- eq 6.	<u> 50 9</u> 50001	AL 00000 G	iHz	%# 	NSE:INT[Аха Тура	ALIGNAUIU E: Log-Pwr	04:30:34 H TRAI	Miteb 29, 2012	Frequency
IFGain:Low Atten: 30 dB cert/FINININ 10 dB/div Ref 20.00 dBm -2.09 dBm												
10.0			4									Center Freq 6.500000000 GHz
0.08 -10.0		-	·									Start Freq 1.000000000 GHz
-20.0 -30.0											-22.08.08m	Stop Freq 12.00000000 GHz
-40:0 -58:0												CF Step 1.10000000 GHz Auto Man
-60.0	الحاري	النيلي							a falada da an			Freq Offset 0 Hz
-70.0 Star #Re	t 1.000	GHz	7		#VBW	1.0 64Hz			Sween	Stop 12	.000 GHz	
MSG	Points	s chang	ed; all t	traces clea	red				STATUS			1



Product	:	Tablet PC
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	No.3 OATS
Test Mode	:	Mode 3: Transmit - 802.11a 6Mbps

Channel 149 (5745MHz) 30MHz -40GHz-Chain A

Agilent Spect	rum Analyzer - Swept SA								
Center F	RF [503 AC] reg 515.000000	MHz	j 58	456:091 (Ávg Type	ALIGNACIO E Log-Pwr) (11:08:13) TRA	Mreb 29,2002	Frequency
10 dB/div	Ref 20.00 dBm	PNO: Fast 🦕 IFGain:Low	' Trig: Free Atten: 30	eRun dB		Mł	(r1 926.4 -53.	74 MHz 79 dBm	Auto Tune
10.0									Center Free 515.000000 MHz
0.08									Start Free 30.000000 MH:
-20.0								-18.15 dBm	Stop Free 1.000000000 GH
-4U:U -50:0								▲ 1	CF Ster 97.000000 MH Auto Mar
-60.0 Mala i		lin o to colle			a lana di sa	i na seletit d	hild to sold	<u>ni ann</u>	Freq Offse 0 H
-70.0) MHz						Stop 1.	3000 GHz	
#Res BW	100 KHz	#VBW	1.0 MHz		:	Sweep	90.0 ms (1	0001 pts)	
мsg 🤍 File	<lmage.png> saved</lmage.png>					STAT	us		

Agilent Spectrum Analyzer - Swej	pt SA							
04 RL №F 50 Ω Center Freq 6.50000	AC DOOO GHz	SENS	SE:INT]	Avg Type	LIGNAUTO	11:07:38 Pl TRAC	4Feb 29, 2012 E 1 2 3 4 5 6	Frequency
10 dB/div Ref 20.00 di	PNO: Fast C IFGain:Low BM	Atten: 30 d	6		Mk	r1 5.746 1.1	5 5 GHz 55 dBm	Auto Tune
10.0		♦ ¹						Center Freq 6.500000000 GHz
-10.0								Start Freq 1.00000000 GHz
-20.0							-18.15 dBm	Stop Freq 12.000000000 GHz
-40.0			1					CF Step 1.100000000 GHz <u>Auto</u> Man
-50.0	and the second s				ana dini seladi Sara seri seladi			Freq Offset 0 Hz
Start 1.000 GHz #Res BW 100 kHz	#vBw	1.0 MHz			Sweep	Stop 12. 1.02 s (1	.000 GHz 0001 pts)	
мза 🧼 Alignment Completed	3				STATUS		••	







5190B-2 Date: 3.APR.2012 09:18:02

Agilent Spect	rum Analyzer - Swi	ept 54								
Center F	8⊩ (309 Fred 515.00	AL 0000 ME	17	j 98	45E:DVI j	Ανα Τνρε	ALIGNADIO	[11:24:21 P 7840	MHeb 29, 2002	Frequency
10 dB/div	Ref 20.00 (iBm	≪∟ WO:Fast ⊊ Gain:Low	^J Trig:Free Atten:30	Run dB		M	kr1 971. -53.4	87 MHz 47 dBm	Auto Tune
10.8										Center Freq 515.000000 MHz
-10.0										Start Freq 30.000000 MHz
-20.0									-23.63.4Em	Stop Freq 1.000000000 GHz
-40:0									•1	CF Step 97.000000 MHz Auto Man
-60.0	an indian an a	internations	والمعادية والمعادية	na shike ka sa	et Norse Roads	a talifa, ditalipintan	الله فيوعدوان المواجع	erriscontititi	altheater	Freq Offset 0 Hz
Start 30.0	0 MHz 100 kHz		#vBW	1.0 MHz			Sweep	Stop 1.0 89.5 ms (1000 GHz 1001 pts)	
мsg 🤳 File	<lmage.png> sa</lmage.png>	aved					STATUS	///- (1

Channel 157 (5785MHz) 30MHz -40GHz-Chain A

Agilant Spectrum	n Analyzar - Swapt Sil								
(XIRI)	RF 50Ω AC) SE	NSE:INT]	Sun Tune	ALIGNAUTO	11:23:44 8	MFeb 29, 2012	Frequency
10 dB/div	Ref 20.00 dBm	PNO: Fast PNO: Fast If Gain:Low	Trig: Free Atten: St	eRun ⊧dS	Org 1994	M	تر 1 kr1 5.7 -0.	74 GHz 83 dBm	Auto Tune
10.0			1						Center Freq 6.50000000 GHz
-10.0			•						Start Freq 1.00000000 GHz
-20.0								-20:05:dBm	Stop Freq 12.00000000 GHz
-10.0									CF Step 1.10000000 GHz Auto Man
-вили <mark>(рабыла</mark> на)	and an and a start of the start	and the second		and a secon	hard a gala de la	radio islame	www.glaina.wiwy	i Antoni Pari	Freq Offset 0 Hz
-700 Start 1.000 #Res BW 1	GHz 00 kHz	#VBW	1.0 MHz			Sweep	Stop 12	.000 GHz 1001 pts)	
MSG						STATUS		,	8



DA SUC HE NE	1 1	AND REPORT OFFICE									
Center Freq 18.50000000	0 GHz	jenocumij Jeno Rum	i ALIGNADIO Nyg Type: Log-Pwr	11/24/JU PM1+60 29, 2012 TRACE 1 2 3 4 5 6 TV/F MULLIAU	Frequency						
10 dB/div Ref 20.00 dBm	IFGain:Low Atten: 30 dB certPNNNN 10 dB/div Ref 20.00 dBm -40.62 dBm										
10.0					Center Freq 18.50000000 GHz						
-10.0					Start Freq 12.00000000 GHz						
-20.0				-20.00 dBr	Stop Freq 25.00000000 GHz						
-400	the state of the s		والمساعية المسعم مريج وسل	and the second	CF Step 1.30000000 GHz <u>Auto</u> Man						
-60.0					Freq Offset 0 Hz						
700 Start 12.000 GHz #Res BW 100 kHz	#VBW 1.0 M	Hz	Sweet	Stop 25.000 GHz 1.20 s (1001 pts)							



5190B-2 Date: 3.APR.2012 09:21:39

Agilent Spectru	m Analyzer - Swe	pt SA								
Center Fre	eq 515.00	0000 MH	z	Sel	vseann)	Ахд Туре	Eligi Pwr	0 (11:37:30) 1840 194	M1+6529,2002 123456 FM00000000	Frequency
10 dB/div	Ref 20.00 d	Pi IFG	io:Fast (ain:Low	Atten: 30	dB		Mł	(r1 972.0 -53.1	64 MHz 06 dBm	Auto Tune
10.0										Center Freq 515.000000 MHz
-10.0										Start Freq 30.000000 MHz
-20.0									-13.70 dBm	Stop Freq 1.00000000 GHz
-40:0									1	CF Step 97.000000 MHz Auto Man
-a.o		a da din tan		s en skrift	to in an de	del por teles	, ili, i) și și fanati Anna fantă anti-	الدادية وأولأ	<u>in an an an</u>	Freq Offset 0 Hz
-70.0										
start 30.0 #Res BW 1	MHZ 100 KHZ		#VBW	1.0 MHz		:	Sweep	Stop 1.0 90.0 ms (1	0000 GHz 0001 pts)	
мsg 🤍 File <	lmage.png> sa	ved					STATI	us		

Channel 165 (5825MHz) 30MHz -40GHz-Chain A

Agilent Spectrum	n Analyzer - Sw	rept SA		ee.	5.92(2)-15.17		AL ROSS AS (TAT)	In the second	555-6-30-30-3	
Center Fre	q 6.5000	00000 G	Hz ND: ⊦ast ⊊	Trig: Free	e Run	Avg Type	: Log-Pwr	11:30:344 78A0 717	E 1 2 3 4 5 6	Frequency
10 dB/dlv	Ref 20.00	uF4 dBm	Sain:Low	Atten: 30	46		Mk	r1 5.82 1.	9 0 GHz 21 dBm	Auto Tune
										Center Freq
10.0				♦ ¹						6.500000000 GHz
0.00										Start Freq
-10.0									-18.79 dBm	1.00000000 GHz
-20.0										Stop Freq 12.000000000 GHz
-30.0										
-40.0				ĺ						CF Step 1.100000000 GHz Auto Man
-accordente		horas	a second			New York		ي و الأراد العالي معاومه دارور	يند الدين مدان. معاني	Eren Offent
-00.0										0 Hz
-70.D										
Start 1.000 #Res BW 1	GHz 00 kHz	č	#VBW	1.0 MHz	t	ε	Sweep	Stop 12	.000 GHz 0001 pts)	
мэд 🤨 Points	changed; all	traces clear	ed				STATUS		• •	1

DB

Stop 40 GHz





1.5 GHz/

5190B-2 Date: 3.APR.2012 09:23:53

--60 --70 --80 --90 -100 Start 25 GHz

Product	:	Tablet PC
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	No.3 OATS
Test Mode	:	Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

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







U RL NF SUS AL SENSEDNÍ RUBNADIO (DUDUSU PMF60/29,2022)	-
Center Freq 18.50000000 GHZ	ucy
PN0: Fast Ing. Free Nun Atten: 30 dB Mkr1 23.663 6 GHz Auto 10 dB/div Ref 20.00 dBm -41.37 dBm -41.37 dBm	ο Γυπε
10.0 Center 10.0 18.5000000	e r Freq)00 GHz
0.00 Sta 10.0 Sta	rtFreq)00 GHz
20.0	i p Freq)00 GHz
40.0 1 1.300000 50.0 1 1.001552 1.101 1.001512 1.001512 1.001512 1.001512 1.001512 1.001512 1.001512 1.001512 1.001512 1.00151	F Step 300 GHz Man
60.0 Freq	Offset 0 Hz
70.0 Start 12.000 GHz Stop 25.000 GHz	
#Res BW 100 KHz #VBW 1.0 MHz Sweep 1.20 s (10001 pts)	

Agilent Spe	ectrum Anal	yzer - Swep	t S&								
EXXI RE	RF	50 2	AC		SB	NSE:INT)		ALIGN AUT	05:07:03 P	MFeb 29, 2012	Frequency
Center	Freq 5	15.000	N 000	HZ PNO: East C] Trig: Free	Run	Ауд туре	n rog-hwi	- 1140. FY	≈ 1 2 3 4 5 5 E M₩₩₩₩₩	
			1	FGain:Low	Atten: 30	dВ		M	kr1 902.9	03 MHz	Auto Tune
10 dBidir	v Ref:	20.00 dE	3m						-04.1	23 aBM	
10.0											Center Freq 515.000000 MHz
0.00						}					Start Freq
-10.0										71.77.00	30.000000 MHz
-20:0											Stop Freq 1.000000000 GHz
-46.0										1	CF Step 97.000000 MHz Auto Man
-50.0	in an ai	lan ang tang	140 year		ta jandata	ana tanàna Taona amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny f	and an instal				Freq Offset
701D											0 H2
Start 30 #Res B	0.0 MHz W 100 k	Hz		#VBW	1.0 MHz		•	Sweep	Stop 1.0 90.0 ms (1	0000 GHz 0001 pts)	
MSG 🤍 Fi	ile <lmage< td=""><td>pag> sav</td><td>ed</td><td></td><td></td><td></td><td></td><td>STAT</td><td>us</td><td></td><td></td></lmage<>	pag> sav	ed					STAT	us		

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

Agiler	nt Spectrum Ar	talyzer - Swep	t Sá								
Cen	∟ ⊫ nter Freq	50 Q 6.50000	AC 0000 GH	łz	j se	NSE:INT)	Avg Type	ALIGNAUTO : Log-Pwr	05:06:27 P	MFeb 29, 2012 1 2 3 4 5 6	Frequency
10 di Log	Bidiv Re	f 20.00 de	PA IFG 3 m	0:∔ast ⊊ ain:Low	Atten: 38	i Kun dB		Mk	r1 2.44 -0.	2 1 GHz 71 dBm	Auto Tune
10.0		ئە									Center Freq 6.50000000 GHz
0.00 -10.0		•									StartFreq 1.000000006 GHz
-20.0 -30.0										-20.71 dBm	Stop Freq 12.000000000 GHz
-46.0 -58.8					- Abber of 1986						CF Step 1.100000000 GHz Auto Man
-60.0		al line and a second		<u></u>							Freq Offset 0 Hz
-700 Star #Re	t 1.000 GI s BW 100	Hz kHz		#vBW	1.0 MHz			Sweep	Stop 12 1.02 s (1	.000 GHz 0001 pts)	
M9G	Points chi	anged; all tra	aces cleare	ed				STATUS			





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

dgilar	it Spectru	m Analyzar - Sv	mpt Sit								
Cen	ter Fr	eq 515.00	2 AC 100000 MF	łz	SB	NSE:INT]	Avg Typ	ALIGNAUTO	05:15:06 P TRAC	MFeb 29, 2012 E 1 2 3 4 5 6	Frequency
10 di	Bidiv	Ref 20.00	₽ ₩	WO:Fast 🦕 Gain:Luw	Atten: 33	iα B		Mk	r1 928.9 -53.1	96 MHz 87 dBm	Auto Tune
10.0											Center Freq 515.000000 MHz
0.00 -10.0											Start Freq 30.000000 MHz
-20.0 -36.6										21.06.d8m	Stop Freq 1.000000000 GHz
-46.0 -56.0										1	CF Step 97.000000 MHz Auto Man
-ຍນ.ນ	altin	a de ser a des	in in in a		l	di la ford da se da Alemantes (se d	e soor ter plat				Freq Offset © Hz
-700 Star #Re	t 30.0 s BW 1	MHz 100 kHz		#vbw	1.0 MHz			Sweep 9	Stop 1.0 10.0 ms (1	1000 GHz 0001 pts)	
MSG 🔍	₽File <	Image.png> s	aved					STATUS	5		



Agiler	Agjient Spectrum Analyzer - Swept SA											
Cer	ter Fr	⊮⊧ eq 6.5	10000 00000	AL 00000 G	Hz	%e	NSE:001	Ахд Туре	ALIGNAUIU E Log-Pwr	05:14:30 F TRA:	Mreb 29, 2012 28 1 2 3 4 5 6	Frequency
10 d	Bidiv	Ref 20	.00 d	ہ ۱۴ Bm	₩0: Fast G Gain:Low	Atten: 30	⊧dB		Mk	r1 2.45 -1.	6 4 GHz 06 dBm	Auto Tune
10.0			1									Center Freq 6.50000000 GHz
0.00 -10.0		-										Start Freq 1.000000000 GHz
-20.0 -30.0											-21.06.4Bm	Stop Freq 12.00000000 GHz
-40.0 -58.0												CF Step 1.100000000 GHz Auto Man
-60.0			Materio Materio							l data de la		Freq Offset 0 Hz
-70.0 Star	t 1.000	GHZ			#\\8\\	1.0 6647			Sween	Stop 12	.000 GHz	
MSG	Points	s change	d; all t	races clea	red .	1.0 191712			STATUS	1,92 5 (1	ooor pisj	



Agilent Spectrum Analyze	er - Swept SA					
Center Freq 51	5.000000 MHz	Trin Emel	⊨∷N1) (Avg Type	ALIGNADIO (05/24:4 : Log-Pwr 17	3 PM Feb 29, 2012 ACE 1 2 3 4 5 6	Frequency
10 dB/div Ref 20	PNO: I IFGain 1.00 dBm	last C, Ing,rreek Low Atten:30 di	B	Mkr1 853. -54	821 MHz 1.00 dBm	Auto Tune
10.0						Center Freq 515.000000 MHz
-10.0						Start Freq 30.000000 MHz
-20.0					-2315 dBm	Stop Freq 1.00000000 GHz
-40.0				1		CF Step 97,000000 MHz <u>Auto</u> Man
-50.0 <mark>de de la dela dela dela dela dela dela d</mark>	adaa aantii ka to	ant the second second	bledalaan eenterikaan histori	anta di di minakat	a de la desta d	Freq Offset 0 Hz
Start 30.0 MHz #Res BW 100 kHz	2	#VBW 1.0 MHz		Stop 1 Sweep 90.0 ms	.0000 GHz (10001 pts)	
мsg 🜙 File <lmage.pi< td=""><td>ng> saved</td><td></td><td></td><td>STATUS</td><td> ,</td><td></td></lmage.pi<>	ng> saved			STATUS	,	

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

Agilent Spectrum Analyzer - Swe	ept S&				
(X) RL RF 50 Q	AC AC	SENSE:INT	ALIGNAUTO	05/24:12 PMFeb 29, 2012	Frequency
10 dB/div Ref 20.00 d	PNO: Fast IFGain:Low	^j Trig: Free Run Atten: 30 dB	Mk	r1 2.411 3 GHz -3.05 dBm	Auto Tune
10.0					Center Freq 6.50000000 GHz
-10.0					Start Free 1.00000000 GHz
-2000				-25U5 dBm	Stop Freq 12.000000000 GHz
-40.0					CF Step 1.100000000 GHz <u>Auto</u> Man
-60.0					Freq Offset 0 Hz
Start 1.000 GHz #Res BW 100 kHz	#VBW	1.0 MHz	Sweep	Stop 12.000 GHz 1.02 s (10001 pts)	





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

dgilan	it Spectru	m Analyzar - Sv	oupt Sit								
Cen	iter Fr	eq 515.01	2 AC	lz	SB	NSE:INT)	Avg Type	LIGNAUTO	05/31/32 PI TRAC	4Feb 29, 2012 E 1 2 3 4 5 6	Frequency
10 di	Bildiv	Ref 20.00	åBm	WU:Fast ∟ Gain:Luw	Atten: 33	45		Mki	1 913.7 -53.1	67 MHz 89 dBm	Auto Tune
10.0											Center Freq 515.000000 MHz
0.08 -10.0											Start Freq 30.000000 MHz
-20.0 -30.0										-20.48 dBn	Stop Freq 1.00000000 GHz
-40.0 -56.0										▲ 1	CF Step 97.000000 MHz <u>Auto</u> Man
-ຍນ.ນ	Sister P		langin kini	lter dan	dan series		atti diga ma		a parlagar	i in Sea	Freq Offset 0 Hz
-700 Star #Re:	t 30.0 s BW 1	MHz 00 kHz		#vBW	1.0 MHz			Sweep 9	Stop 1.0 0.0 ms (1	000 GHz 0001 pts)	
MSG 🔍	💭 File <	mage.png>:	saved					STATUS			



Agiler	it Spectru	m Analyz	ar - Swe	pt SA								
Cen	ter Fr	⊮ eq 6.∜	1009 50000	AL 20000 G	Hz	%# 	NSEINI	Ахд Туре	ALIGNAUIU E: Log-Pwr	00030000 P TRAC	Miteb 29,2012	Frequency
10 di	Bidiv	Ref 20).00 đ	ہ ۱۴ Bm	₩0: Fast ⊊ Gain:Low	Atten: 30	dB		Mk	r1 2.44 -0.	1 0 GHz 49 dBm	Auto Tune
10.0			1									Center Freq 6.500000000 GHz
0.08 -10.0												Start Freq 1.00000000 GHz
-20.0 -30.0											-20.48 dBn	Stop Freq 12.00000000 GHz
-40.0 -58.0												CF Step 1.100000000 GHz <u>Auto</u> Man
-80.0	a anti-	التقلي										Freq Offset 0 Hz
-700 Star #Re	t 1.000 s BW 1	GHz	z		#vBW	1.0 MHz			Sweep	Stop 12 1.02 s (1	.000 GHz 0001 pts)	
MSG	Points	s change	ed; all t	races clea	red				STATUS			



Agilent Spectr	um Analyzer - Swi	ept 54								
Center F	req 515.00	AL 0000 MH	z _	j Sel Trier From	NSE:3N1	Ávg Type	ALIGNAON : Log-Pw	U (05:39:54) 7 TRA 7 TV	Miteb 29,2012 2012 3 4 5 6	Frequency
10 dB/div	Ref 20.00 d	p) IFC iBm	ł0: Fast ⊊ jain:Low	Atten: 30	dB		М	ت kr1 828.9 -54.	89 MHz 17 dBm	Αυτο Τυπε
10.0										Center Freq 515.000000 MHz
0.08										Start Freq 30.000000 MHz
-20.0									-2255-800	Stop Freq 1.000000000 GHz
-4U.U -50.0								1		CF Step 97,000000 MHz Auto Man
-60.0		il antaria		n del	Dell'Esteration Mail anna 18	www.enderst		din tana)		Freq Offset 0 Hz
Start 30.0	MHz 100 KHz		#VBW	1.0 MHz			Sweep	Stop 1. 90.0 ms (1	0000 GHz	
мsg 🜙 Align	ment Complete	ed					STAT	rus		

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

Agilent Spectrum Analyzer	- Swept S&								
CORL RF	SD Q AC	<u> </u>	58 7	(SE:INT)	dun Tona	ALIGN AUTO	05:39:18 P	MFeb 29, 2012	Frequency
Center Freq 6.50	00 dBm	¶Ζ Ю:Fast ♀ ain:Low	j Trig: Free Atten: 30	Run dB	org 1994	Mk	r1 2.46	7 4 GHz 55 dBm	Auto Tune
10.0									Center Freq 6.500000000 GHz
0.00 ·10.0									Start Freq 1.00000000 GHz
-20.0								-22.55 dBm	Stop Freq 12.000000000 GHz
-40.0				lest to a second	C.				CF Step 1.100000000 GHz <u>Auto</u> Man
-60.0		-				alexistics.	al littà altr	(101)	Freq Offset 0 Hz
Start 1.000 GHz #Res BW 100 kHz		#VBW	1.0 MHz			Sweep	Stop 12 1.02 s (1	.000 GHz 0001 pts)	
MSG DPoints changed	all traces clean	#VDVV	1.0 191712			STATUS	1.92 5 (1	ooor pisj	



Agiler	nt Spectre	m Ansiyzer -	Swept 54								
Cer	∟ i ater Fr	eq 18.5	000000000	GHz	j Se Teier Free	NSEONTÍ	Avg Type	LIGNADIO	05:40:30 F TRAC TV	Miteb 29, 2012	Frequency
10 d	Bidiv	Ref 20.0	0 dBm	980: Fast (🖵 'Gain:Low	Atten: 30	i dB		Mkr	1 23.49 -41.	2 0 GHz 17 dBm	Auto Tune
10.0											Center Freq 18.50000000 GHz
0.08 -10.0											Start Freq 12.00000000 GHz
-20.0 -30.0										-2255-dbm	Stop Freq 25.00000000 GHz
-40.0 -58.0				ter an a star faire t		Landa, Joh	فللسعد	- helenner			CF Step 1.30000000 GHz Auto Man
-60.0											Freq Offset 0 Hz
-70.D	t 12.00	30 GHz						_	Stop 25	.000 GHz	
#Re MSG	s BW 1 DFile <	IVO KHZ Image.png	> saved	#VBW	1.0 MHz			Sweep	1.20 s (1	uuui pts)	

Product	:	Tablet PC
Test Item	:	RF Antenna Conducted Spurious
Test Site	:	No.3 OATS
Test Mode	:	Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

Channel 03 (2422MHz) 30MHz -25GHz-Chain A

ågilent	Spectr	um Analyzer - S	wept SA								
Cent	ter Fi	req 515.0	Q AC 00000 MI	ŧz	SE Trice For	INSE:INT]	Амд Турн	ALIGNAUTO :: Log-Pwr	05:48:06 F	MFeb 29, 2012	Frequency
10 dB	Vdiv	Ref 20.00	i if dBm	WO: Fast (, Gain:Low	ng:rre Atten:3α	e Kun }dB		Mkr	1 984.1 -53.	89 MHz 63 dBm	Auto Tune
10.0											Center Freq 515.000000 MHz
0.00 -10.0											Start Freq 30.000000 MHz
-20.0 -30.0										-28.21 dBm	Stop Freq 1.000000000 GHz
-40.0 -58.0											CF Step 97.000000 MHz <u>Auto</u> Man
-60.0		and stabula		ay as depe		losiendes a	de la al de la	il en la ser	diplice e colti		Freq Offset 0 Hz
-70.D	20.0	MUT							Stop 1		
#Res	:30.0 8₩	100 kHz		#VBW	/ 1.0 MHz	:		Sweep 9	acop 1. 0.0 ms (1	0001 pts)	
MSG 🤰	File	<lmage.png></lmage.png>	saved					STATUS	-		r





Agiler	nt Spectru	ım Analyzer - S	wept 54								
Cen	ter Fr	⊮ (∞ eq 18.50	9000000	GHz	[38]	NSEONI (Avg Type	ALIGNAUTO	000:46:42 H TRAI	Mreb 29, 2012 28 1 2 3 4 5 6	Frequency
10 d	Bldiv	Ref 20.00	IF IF	WO: Fast 🧔 Gain:Low	Atten: 30	dB		Mkr	1 23.65 -41.	8 4 GHz 36 dBm	Auto Tune
10.0											Center Freq 18.500000000 GHz
0.08 -10.0											Start Freq 12.00000000 GHz
-20.0 -30.0										-28-25 dBm	Stop Freq 25.00000000 GHz
-40.0 -58.0							an a			1	CF Step 1.30000000 GHz <u>Auto</u> Man
-80.0	n an lan b										Freq Offset 0 Hz
-7010 Star	t 12.0	00 GHz							Stop 25	.000 GHz	
#Re	s BW '	100 kHz		#VBW	1.0 MHz			Sweep	1.20 s (1	0001 pts)	
MSG 🔍	File <	lmage.png>	saved					STATUS	ł		

Agilent Sp	ectrum An	alyzer - Si	wept S&								
LXVI RL	RF	50	AC AC		, SB	NSE:INT)		ALIGN AUTO	05:55:18 P	MFeb 29, 2012	Frequency
Center	Freq	515.0	100001	AHZ PNO: Fast 😱 IFGain:Low	Trig: Free Atten: 30	eRun dB	хид түре	:: Log-PWF	977 977 30	ENWWWW	Auto Tune
10 dBidi Log	v Rei	f 20.00	dBm					Wik.	-54.3	21 dBm	
										1	Center Freq
10.0											515.000000 MiHa
0.00											Start Free
-10.0											30.000000 MHz
-20:0										-22.43 dBm	Stop Fred
-30.0											1.000000000 GH
-46.0			-								CF Ster
-58.0						}				1	Auto Mar
-a. 1	e a stati de s	n sina nash	t starp		اليوليون ويوني منطق ويونيون	analis daara	- Second Rock-	lasias bianas Alexandra	مراز (در از مانور از مرد مرد تر اسرای	an an train a stat	Freq Offse
70.0											0H
/0.0											
Start 3	0.0 MH: W 100	z kHz	1	#VBW	1.0 MHz	1	, ,	sweep s	Stop 1.0	000 GHz	
MSG 🕕 F	ile <lmag< td=""><td>e.pag>:</td><td>saved</td><td></td><td></td><td></td><td></td><td>STATU</td><td>s</td><td></td><td>1</td></lmag<>	e.pag>:	saved					STATU	s		1

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

Agilent Spectrum	1 Analyzer - Swep	1 54						
Center Fre	RF 50Ω q 6.50000	AC DOOD GHz	SENSE:	Avg Type	ALIGNAUTO e: Log-Pwr	05:54:42 PMFeb 2 TRACE 1 2 TVFC ACH	29,2012 3 4 5 6	Frequency
10 dB/div	Ref 20.00 dE	iFGain:Low	Atten: 30 dB		Mk	r1 2.439 9 -2.49 ∢	GHz dBm	Auto Tune
10.0								Center Freq 6.500000000 GHz
-10.0	1							Start Freq 1.00000000 GHz
-20.0							2.431dBm	Stop Freq 12.000000000 GHz
-40.0 -50.0								CF Step 1.10000000 GHz <u>Auto</u> Man
-60.0								Freq Offset 0 Hz
Start 1.000 #Res BW 10	GHz 00 kHz	#VBW	1.0 MHz		Sweep	Stop 12.000 1.02 s (1000	GHz 1 pts)	





Channel 09 (2452MHz) 30MHz -25GHz-Chain A

Agilant Sportrum Analyzar - Swept SA											
Center Freq 515.000000 MHz							Avg Typ	alagnauto e: Log-Pwr	06:03:07 P	MFeb 29, 2012	Frequency
۲۹۵۵: East من البعة المعالية المعالي معالية معالية المعالية معالية معالية معالية معالية معالية معالية معالية معالية معاليمعاليمانيي معالية معاليمعالية معالي معاليمعالية معالية معالية								84 MHz 40 dBm	Auto Tune		
10.0											Center Freq 515.000000 MHz
0.00 -10.0											Start Freq 30.000000 MHz
-20.0 -30.0										-23.55 dBm	Stop Freq 1.00000000 GHz
-46.0 -56.0									1		CF Step 97.000000 MHz <u>Auto</u> Man
-ຍນ.ນ		d sealed an		den ser en	and set for	la lega est	a sidedatara				Freq Offset 0 Hz
-700 Star #Re	t 30.0 s BW 1	MHz 100 kHz	saved	#VBW	1.0 MHz			Sweep 9	Stop 1.0 0.0 ms (1	0000 GHz 0001 pts)	