



Test Report

Product Name	ASUS Tablet
Model No	P1801-T
FCC ID.	MSQP1801AH691

Applicant	ASUSTeK COMPUTER INC.
Address	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt	Sep. 18, 2012
Issue Date	Dec. 06, 2012
Report No.	129357R-RFUSP42V01
Report Version	V3Ø



The test results relate only to the samples tested.
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Test Report Certification

Issue Date: Dec. 06, 2012

Report No.: 129357R-RFUSP42V01


Accredited by NIST (NVLAP)

NVLAP Lab Code: 200533-0

Product Name	ASUS Tablet
Applicant	ASUSTeK COMPUTER INC.
Address	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	(1) Protek (Shanghai) Limited. (2) PEGATRON CORPORATION Taoyuan Mfg
Model No.	P1801-T
FCC ID.	MSQP1801AH691
EUT Rated Voltage	DC 19V, 1.75A
EUT Test Voltage	AC 120V/60Hz
Trade Name	ASUS
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2010 ANSI C63.4: 2003, ANSI C63.10: 2009
Test Result	Complied

The test results relate only to the samples tested.

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(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	ASUS Tablet
Trade Name	ASUS
Model No.	P1801-T
FCC ID.	MSQP1801AH691
Frequency Range	802.11b/g/n-20MHz:2412-2462MHz,802.11n-40MHz:2422-2452MHz 802.11a/n-20MHz:5745-5825MHz ,802.11n-40MHz:5755-5795MHz
Number of Channels	802.11b/g/n-20MHz: 11, n-40MHz: 7 802.11a/n-20MHz: 5, n-40MHz: 2
Data Speed	802.11b: 1-11Mbps, 802.11a/g: 6-54Mbps, 802.11n: up to 300Mbps
Channel separation	802.11b/g/n-20MHz: 5 MHz, 802.11a/n-20MHz: 20MHz 802.11n-40MHz: 40MHz
Type of Modulation	802.11b:DSSS, DBPSK, DQPSK, CCK 802.11a/g/n: OFDM, BPSK, QPSK, 16QAM, 64QAM
Antenna Type	PIFA Antenna
Antenna Gain	Refer to the table “Antenna List”
Channel Control	Auto
Power Adapter	MFR: PI Electronics, M/N: AD890326 Input: AC 100-240V, 50-60Hz, 0.8A Output: DC 19V, 1.75A Cable out: Shielded, 1.8m
Contain Module	AzureWave/AW-AH691

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	INPAQ	WA-P-LB-02-043 (Main)	PIFA	1.65dBi For 2.4GHz
		WA-P-LB-01-017 (Aux)		2.19dBi For 5GHz
2	ACON	APP6P-700733 (Main)	PIFA	0.78dBi For 2.4GHz
		APP6P-700734 (Aux)		0.74dBi For 5GHz

Note: The antenna of EUT is conform to FCC 15.203

802.11b/g/n-20MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz		

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

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 149:	5745 MHz	Channel 153:	5765 MHz	Channel 157:	5785 MHz	Channel 161:	5805 MHz
Channel 165:	5825 MHz						

802.11n-40MHz (2.4G Band) Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 3:	2422 MHz	Channel 4:	2427 MHz	Channel 5:	2432 MHz	Channel 6:	2437 MHz
Channel 7:	2442 MHz	Channel 8:	2447 MHz	Channel 9:	2452 MHz		

802.11n-40MHz (5G Band) Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency
Channel 151:	5755 MHz	Channel 159:	5795 MHz

Note:

1. This device is a ASUS Tablet, Contains functions and so on WiFi 、Bluetooth , This report for WiFi.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report. (802.11b is 1Mbps, 802.11g is 6Mbps, 802.11n(20M-BW) is 14.4Mbps and 802.11n(40M-BW) is 30Mbps).
4. At result of pretests, module supports dual-channel transmission, only the worst case is shown in the report. (802.11b is chain B 、802.11g is chain B 、802.11a is chain B)
5. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11a/b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.

Test Mode:	Mode 1: Transmit - 802.11b 1Mbps
	Mode 2: Transmit - 802.11g 6Mbps
	Mode 3: Transmit - 802.11a 6Mbps
	Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)
	Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)
	Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)
	Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

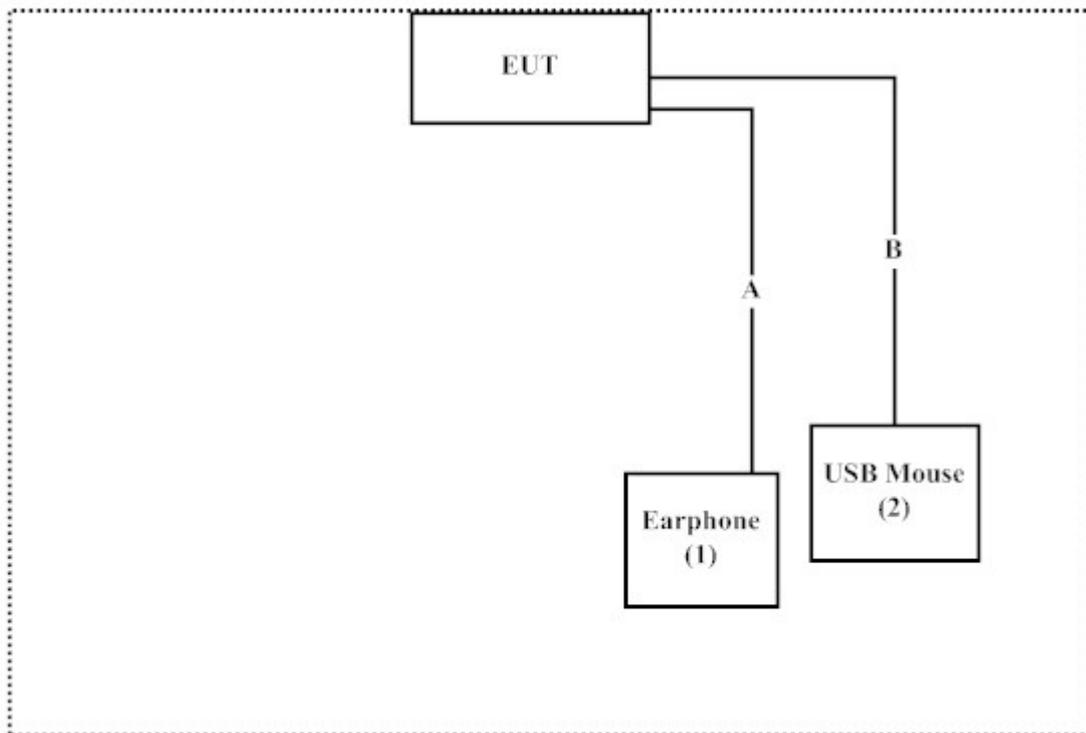
1.3. Tested System Details

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) Earphone	PCHOME	N/A	N/A	N/A
(2) USB Mouse	DELL	MO56UOA	G0Y02ES8	N/A

Signal Cable Type	Signal cable Description
A Earphone Cable	Non-Shielded, 1.2m
B Mouse Cable	Non-Shielded, 1.8m

1.4. Configuration of Tested System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in Section 1.4
- (2) Execute program on the EUT.
- (3) Configure the test mode, the test channel, and the data rate.
- (4) Press “OK” to start the continuous Transmit.
- (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://www.quietek.com/tw/ctg/cts/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

Site Name: Quietek Corporation
 Site Address: No.5-22, Ruishukeng Linkou Dist., New Taipei City
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 E-Mail : service@quietek.com

FCC Accreditation Number: TW1014

2. Conducted Emission

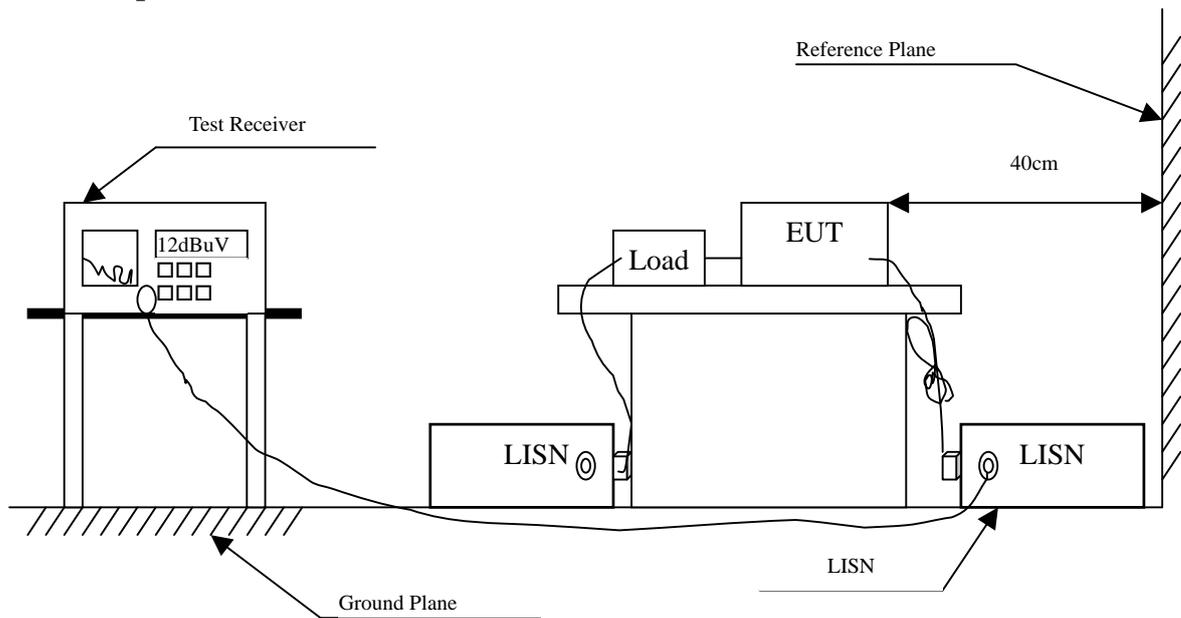
2.1. Test Equipment

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

	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.	Remark
X	Test Receiver	R & S	ESCS 30 / 825442/018	Sep., 2012	
X	Artificial Mains Network	R & S	ENV4200 / 848411/10	Feb., 2012	Peripherals
X	LISN	R & S	ESH3-Z5 / 825562/002	Feb., 2012	EUT
	DC LISN	Schwarzbeck	8226 / 176	Mar, 2012	EUT
X	Pulse Limiter	R & S	ESH3-Z2 / 357.8810.52	Feb., 2012	
	No.1 Shielded Room				

Note: All instruments are calibrated every one year.

2.2. Test Setup



2.3. Limits

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

2.4. Test Procedure

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

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

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

2.5. Uncertainty

± 2.26 dB

2.6. Test Result of Conducted Emission

Product : ASUS Tablet
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 1					
Quasi-Peak					
0.181	9.830	33.090	42.920	-22.194	65.114
0.220	9.830	25.590	35.420	-28.580	64.000
0.267	9.830	22.990	32.820	-29.837	62.657
0.494	9.830	29.970	39.800	-16.371	56.171
0.619	9.830	20.760	30.590	-25.410	56.000
12.224	10.042	24.860	34.902	-25.098	60.000
Average					
0.181	9.830	24.800	34.630	-20.484	55.114
0.220	9.830	16.250	26.080	-27.920	54.000
0.267	9.830	15.010	24.840	-27.817	52.657
0.494	9.830	21.240	31.070	-15.101	46.171
0.619	9.830	10.970	20.800	-25.200	46.000
12.224	10.042	19.460	29.502	-20.498	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 : ASUS Tablet
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2437MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 2					
Quasi-Peak					
0.173	9.836	35.550	45.386	-19.957	65.343
0.224	9.830	28.040	37.870	-26.016	63.886
0.373	9.840	25.870	35.710	-23.919	59.629
0.505	9.840	30.490	40.330	-15.670	56.000
0.771	9.850	25.280	35.130	-20.870	56.000
13.943	10.183	27.060	37.243	-22.757	60.000
Average					
0.173	9.836	24.260	34.096	-21.247	55.343
0.224	9.830	18.250	28.080	-25.806	53.886
0.373	9.840	18.470	28.310	-21.319	49.629
0.505	9.840	23.060	32.900	-13.100	46.000
0.771	9.850	17.940	27.790	-18.210	46.000
13.943	10.183	22.240	32.423	-17.577	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 : ASUS Tablet
 Test Item : Conducted Emission Test
 Power Line : Line 1
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 1					
Quasi-Peak					
0.168	9.830	34.510	44.340	-21.146	65.486
0.193	9.830	29.520	39.350	-25.421	64.771
0.464	9.830	27.650	37.480	-19.549	57.029
0.745	9.830	19.180	29.010	-26.990	56.000
0.956	9.830	16.980	26.810	-29.190	56.000
14.013	10.075	23.360	33.435	-26.565	60.000
Average					
0.168	9.830	27.600	37.430	-18.056	55.486
0.193	9.830	18.630	28.460	-26.311	54.771
0.464	9.830	23.020	32.850	-14.179	47.029
0.745	9.830	14.180	24.010	-21.990	46.000
0.956	9.830	13.290	23.120	-22.880	46.000
14.013	10.075	19.010	29.085	-20.915	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 : ASUS Tablet
 Test Item : Conducted Emission Test
 Power Line : Line 2
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band) (5755MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV	Margin dB	Limit dBuV
Line 2					
Quasi-Peak					
0.188	9.831	32.480	42.311	-22.603	64.914
0.217	9.830	27.780	37.610	-26.476	64.086
0.287	9.832	18.710	28.542	-33.544	62.086
0.490	9.840	26.190	36.030	-20.256	56.286
0.787	9.850	13.420	23.270	-32.730	56.000
13.229	10.160	21.030	31.190	-28.810	60.000
Average					
0.188	9.831	21.900	31.731	-23.183	54.914
0.217	9.830	15.980	25.810	-28.276	54.086
0.287	9.832	8.260	18.092	-33.994	52.086
0.490	9.840	17.640	27.480	-18.806	46.286
0.787	9.850	6.850	16.700	-29.300	46.000
13.229	10.160	15.330	25.490	-24.510	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 Power Output

3.1. Test Equipment

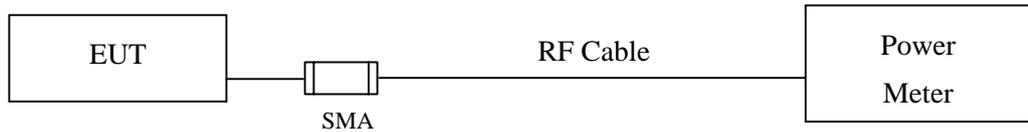
	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Power Meter	Anritsu	ML2495A/6K00003357	May, 2012
X	Power Sensor	Anritsu	MA2411B/0738448	Jun, 2012
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note:

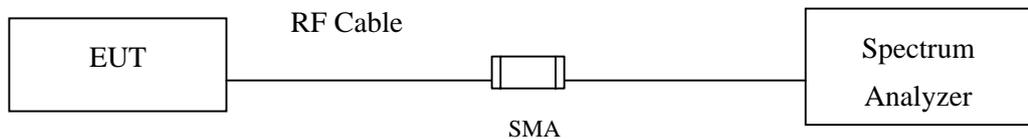
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

3.2. Test Setup

Average Power For different Data Rate (Mbps)



Peak Power Measurement



3.3. Limits

The maximum peak power shall be less 1 Watt.

3.4. Test Procedure

The EUT was tested according to DTS test procedure of ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

3.5. Uncertainty

± 1.27 dB

3.6. Test Result of Peak Power Output

Product : ASUS Tablet
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit - 802.11b 1Mbps

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power 1	Required Limit	Result
		1	2	5.5	11			
		Measurement Level (dBm)						
01	2412	14.55	--	--	--	18.6	<30dBm	Pass
06	2437	14.27	14.24	14.18	14.11	18.51	<30dBm	Pass
11	2462	14.13	--	--	--	18.11	<30dBm	Pass

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

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power 1	Required Limit	Result
		1	2	5.5	11			
		Measurement Level (dBm)						
01	2412	14.61	--	--	--	18.75	<30dBm	Pass
06	2437	14.94	14.88	14.84	14.7	18.76	<30dBm	Pass
11	2462	14.92	--	--	--	18.71	<30dBm	Pass

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

Product : ASUS Tablet
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11g 6Mbps

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	10.72	--	--	--	--	--	--	--	20.47	<30dBm	Pass
06	2437	10.82	10.75	10.71	10.69	10.55	10.51	10.46	10.11	20.21	<30dBm	Pass
11	2462	10.78	--	--	--	--	--	--	--	20.42	<30dBm	Pass

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

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	11.09	--	--	--	--	--	--	--	20.61	<30dBm	Pass
06	2437	11.06	10.98	10.84	10.66	10.52	10.44	10.38	10.29	20.67	<30dBm	Pass
11	2462	11.14	--	--	--	--	--	--	--	20.63	<30dBm	Pass

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

Product : ASUS Tablet
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
149	5745	10.15	--	--	--	--	--	--	--	19.41	<30dBm	Pass
157	5785	9.99	9.73	9.69	9.54	9.43	9.23	9.14	9.08	19.39	<30dBm	Pass
165	5825	9.83	--	--	--	--	--	--	--	19.12	<30dBm	Pass

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

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
149	5745	10.59	--	--	--	--	--	--	--	19.52	<30dBm	Pass
157	5785	10.11	10.05	10.01	9.88	9.74	9.65	9.54	9.41	19.41	<30dBm	Pass
165	5825	10.07	--	--	--	--	--	--	--	19.22	<30dBm	Pass

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

Product : ASUS Tablet
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	14.4
Measurement Level (dBm)										
01	2412	11.09	--	--	--	--	--	--	--	20.53
06	2437	10.95	10.91	10.88	10.73	10.71	10.69	10.66	10.64	20.37
11	2462	10.53	--	--	--	--	--	--	--	19.98

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

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	14.4
Measurement Level (dBm)										
01	2412	11.11	--	--	--	--	--	--	--	20.87
06	2437	11.24	11.21	11.18	11.17	11.16	11.14	11.12	11.11	20.98
11	2462	11.14	--	--	--	--	--	--	--	20.88

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

CHAIN A+B

Channel	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
1	2412	14.4	20.53	20.87	23.71	<30dBm	Pass
6	2437	14.4	20.37	20.98	23.70	<30dBm	Pass
11	2462	14.4	19.98	20.88	23.46	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW))

Product : ASUS Tablet
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
3	2422	9.54	--	--	--	--	--	--	--	19.37
6	2437	9.42	9.4	9.38	9.37	9.35	9.34	9.32	9.28	19.26
9	2452	9.31	--	--	--	--	--	--	--	19.07

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

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
3	2422	9.55	--	--	--	--	--	--	--	19.77
6	2437	9.61	9.6	9.57	9.55	9.54	9.51	9.48	9.44	19.81
9	2452	9.69	--	--	--	--	--	--	--	19.34

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

CHAIN A+B

Channel	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
3	2422	30	19.37	19.77	22.58	<30dBm	Pass
6	2437	30	19.26	19.81	22.55	<30dBm	Pass
9	2452	30	19.07	19.34	22.22	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW))

Product : ASUS Tablet
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)

CHAIN A

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
Measurement Level (dBm)										
149	5745	8.31	--	--	--	--	--	--	--	18.32
157	5785	8.01	7.74	7.72	7.53	7.21	7.11	6.89	6.66	17.74
165	5825	8.2	--	--	--	--	--	--	--	17.76

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

CHAIN B

Channel No	Frequency (MHz)	Average Power								Peak Power
		For different Data Rate (Mbps)								
		14.4	28.9	43.3	57.8	86.7	115.6	130	144.4	
Measurement Level (dBm)										
149	5745	8.71	--	--	--	--	--	--	--	18.22
157	5785	8.48	8.33	8.12	7.93	7.78	7.65	7.22	7.04	18.49
165	5825	8.1	--	--	--	--	--	--	--	18.13

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

CHAIN A+B

Channel	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
149	5745	14.4	18.32	18.22	21.28	<30dBm	Pass
157	5785	14.4	17.74	18.49	21.14	<30dBm	Pass
165	5825	14.4	17.76	18.13	20.96	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW))

Product : ASUS Tablet
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

CHAIN A

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
151	5755	7.83	--	--	--	--	--	--	--	15.76
159	5795	8.26	7.9	7.77	7.25	6.89	6.76	6.43	6.03	14.95

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

CHAIN B

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power
		30	60	90	120	180	240	270	300	
		Measurement Level (dBm)								
151	5755	7.92	--	--	--	--	--	--	--	15.04
159	5795	7.74	7.69	7.53	7.21	7.11	6.88	6.53	6.22	14.84

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

CHAIN A+B

Channel	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain A+B Power (dBm)	Limit (dBm)	Result
151	5755	30	15.76	15.04	18.43	<30dBm	Pass
159	5795	30	14.95	14.84	17.91	<30dBm	Pass

Note: Peak Power Output Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW))

4. Radiated Emission

4.1. Test Equipment

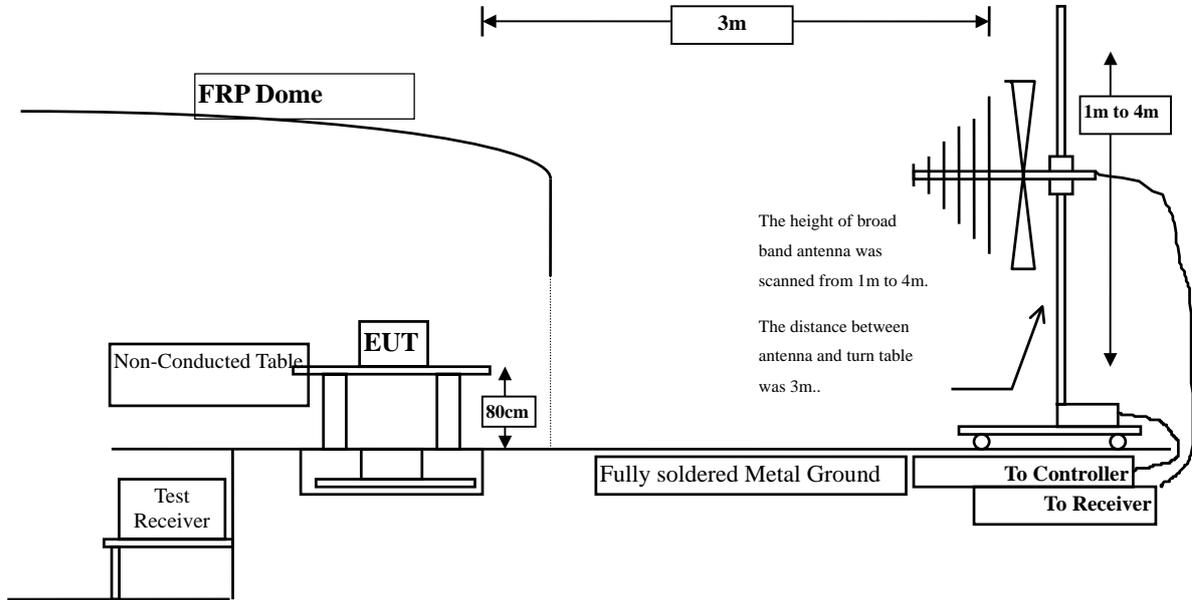
The following test equipment are used during the radiated emission test:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ Site # 3	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2012
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2012
	X	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2012
	X	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2012
	X	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2012
	X	Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2012
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2012
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2012
	X	Coaxial Cable	Quietek	QTK-CABLE/ CAB5	Feb., 2012
	X	Controller	Quietek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

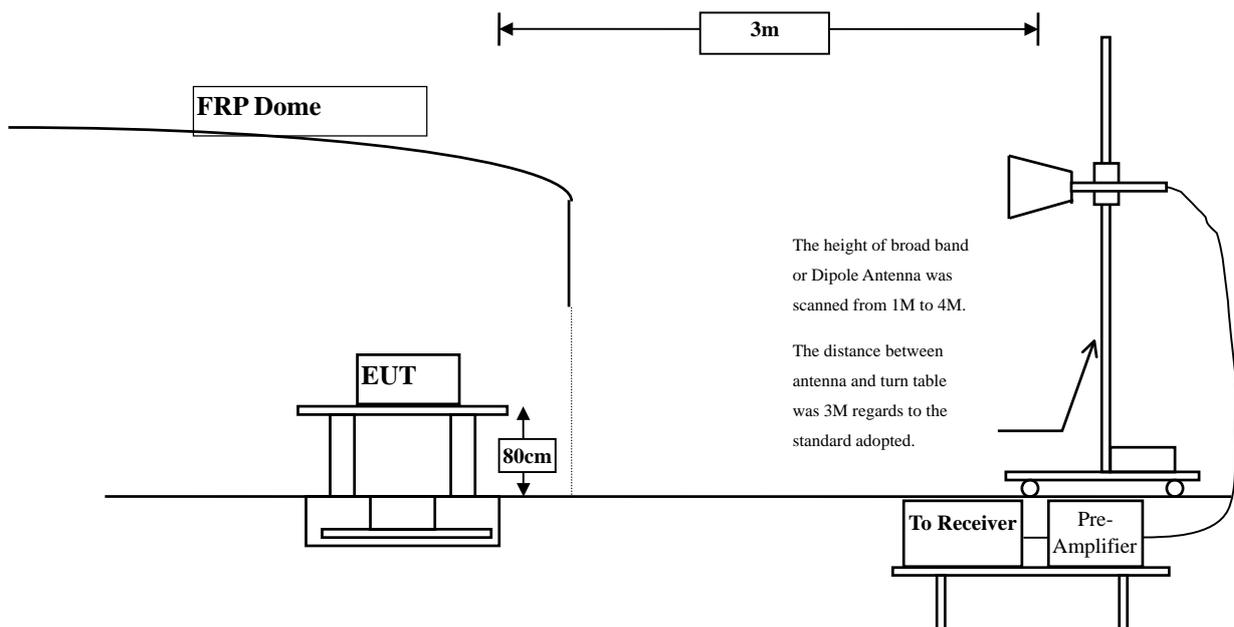
- Note:
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
 2. The test instruments marked with "X" are used to measure the final test results.

4.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



4.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

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

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

4.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of ANSI C63.10: 2009 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit - 802.11b 1Mbps (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	44.450	47.711	-26.289	74.000
7236.000	10.650	36.360	47.010	-26.990	74.000
9648.000	13.337	35.970	49.306	-24.694	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	6.421	44.500	50.921	-23.079	74.000
7236.000	11.495	36.200	47.695	-26.305	74.000
9648.000	13.807	36.510	50.316	-23.684	74.000
Average Detector:					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit - 802.11b 1Mbps (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	45.400	48.437	-25.563	74.000
7311.000	11.795	35.240	47.034	-26.966	74.000
9748.000	12.635	37.630	50.265	-23.735	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	5.812	43.040	48.851	-25.149	74.000
7311.000	12.630	35.660	48.289	-25.711	74.000
9748.000	13.126	36.940	50.066	-23.934	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit - 802.11b 1Mbps (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	43.430	46.287	-27.713	74.000
7386.000	12.127	34.960	47.088	-26.912	74.000
9848.000	12.852	37.110	49.963	-24.037	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	40.890	46.410	-27.590	74.000
7386.000	13.254	35.040	48.294	-25.706	74.000
9848.000	13.367	37.010	50.377	-23.623	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11g 6Mbps (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	43.370	46.631	-27.369	74.000
7236.000	10.650	36.300	46.950	-27.050	74.000
9648.000	13.337	36.510	49.846	-24.154	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	6.421	39.340	45.761	-28.239	74.000
7236.000	11.495	36.960	48.455	-25.545	74.000
9648.000	13.807	36.050	49.856	-24.144	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11g 6Mbps (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	40.200	43.237	-30.763	74.000
7311.000	11.795	35.890	47.684	-26.316	74.000
9748.000	12.635	36.820	49.455	-24.545	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	5.812	37.170	42.981	-31.019	74.000
7311.000	12.630	35.570	48.199	-25.801	74.000
9748.000	13.126	36.790	49.916	-24.084	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11g 6Mbps (2462 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	38.600	41.457	-32.543	74.000
7386.000	12.127	35.200	47.328	-26.672	74.000
9848.000	12.852	37.080	49.933	-24.067	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	37.670	43.190	-30.810	74.000
7386.000	13.254	35.440	48.694	-25.306	74.000
9848.000	13.367	36.640	50.007	-23.993	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps (5745 MHz)

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

Horizontal

Peak Detector:

11490.000	17.106	35.380	52.487	-21.513	74.000
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**Average
Detector:**

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Vertical

Peak Detector:

11490.000	18.034	35.670	53.705	-20.295	74.000
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**Average
Detector:**

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Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11570.000	16.809	35.170	51.979	-22.021	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11570.000	17.698	35.360	53.058	-20.942	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps (5825 MHz)

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

Horizontal

Peak Detector:

11650.000	16.158	35.520	51.678	-22.322	74.000
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Average

Detector:

--

Vertical

Peak Detector:

11650.000	17.274	35.410	52.685	-21.315	74.000
-----------	--------	--------	--------	---------	--------

Average

Detector:

--

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4824.000	3.261	47.880	51.141	-22.859	74.000
7236.000	10.650	36.900	47.550	-26.450	74.000
9648.000	13.337	36.400	49.736	-24.264	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	6.421	46.210	52.631	-21.369	74.000
7236.000	11.495	36.760	48.255	-25.745	74.000
9648.000	13.807	36.400	50.206	-23.794	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	46.010	49.047	-24.953	74.000
7311.000	11.795	35.400	47.194	-26.806	74.000
9748.000	12.635	37.230	49.865	-24.135	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	5.812	42.310	48.121	-25.879	74.000
7311.000	12.630	35.570	48.199	-25.801	74.000
9748.000	13.126	37.050	50.176	-23.824	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4924.000	2.858	44.390	47.247	-26.753	74.000
7386.000	12.127	34.930	47.058	-26.942	74.000
9848.000	12.852	36.720	49.573	-24.427	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4924.000	5.521	40.720	46.240	-27.760	74.000
7386.000	13.254	35.100	48.354	-25.646	74.000
9848.000	13.367	36.840	50.207	-23.793	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2422MHz)

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

Horizontal

Peak Detector:

4844.000	3.171	43.130	46.301	-27.699	74.000
7266.000	11.162	35.630	46.792	-27.208	74.000
9688.000	12.964	36.450	49.415	-24.585	74.000

Average

Detector:

--

Vertical

Peak Detector:

4844.000	6.178	40.150	46.328	-27.672	74.000
7266.000	11.982	35.900	47.882	-26.118	74.000
9688.000	13.507	37.630	51.138	-22.862	74.000

Average

Detector:

--

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4874.000	3.038	42.200	45.237	-28.763	74.000
7311.000	11.795	35.520	47.314	-26.686	74.000
9748.000	12.635	37.060	49.695	-24.305	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	5.812	39.740	45.551	-28.449	74.000
7311.000	12.630	35.570	48.199	-25.801	74.000
9748.000	13.126	37.100	50.226	-23.774	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4904.000	2.914	42.120	45.035	-28.965	74.000
7356.000	11.995	35.120	47.114	-26.886	74.000
9808.000	12.475	37.040	49.515	-24.485	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4904.000	5.530	39.510	45.041	-28.959	74.000
7356.000	13.005	36.150	49.154	-24.846	74.000
9808.000	12.901	38.330	51.231	-22.769	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 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 MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11490.000	17.106	35.820	52.927	-21.073	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11490.000	18.034	36.990	55.025	-18.975	74.000
Average Detector:					
11490.000	18.034	25.88	43.914	-10.086	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11570.000	16.809	35.410	52.219	-21.781	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11570.000	17.698	36.140	53.838	-20.162	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5825 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11650.000	16.158	35.230	51.388	-22.612	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11650.000	17.274	35.440	52.715	-21.285	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : 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	35.450	52.574	-21.426	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11510.000	18.081	35.790	53.871	-20.129	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band) (5795 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
11590.000	16.701	35.400	52.100	-21.900	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
11590.000	17.567	35.560	53.126	-20.874	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit - 802.11b 1Mbps (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
117.300	-9.196	31.285	22.089	-21.411	43.500
191.020	-10.040	34.215	24.175	-19.325	43.500
359.800	-1.680	30.996	29.316	-16.684	46.000
594.540	3.927	32.150	36.077	-9.923	46.000
743.920	3.326	34.111	37.437	-8.563	46.000
891.360	5.888	35.384	41.272	-4.728	46.000
Vertical					
119.240	-3.541	34.101	30.560	-12.940	43.500
357.860	-3.734	32.607	28.873	-17.127	46.000
594.540	-3.773	33.049	29.276	-16.724	46.000
743.920	1.246	35.086	36.332	-9.668	46.000
802.120	3.161	26.111	29.272	-16.728	46.000
891.360	2.218	35.395	37.613	-8.387	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11g 6Mbps (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
117.300	-9.196	29.261	20.065	-23.435	43.500
191.020	-10.040	32.488	22.448	-21.052	43.500
371.440	-1.097	29.152	28.055	-17.945	46.000
594.540	3.927	27.503	31.430	-14.570	46.000
743.920	3.326	37.100	40.426	-5.574	46.000
891.360	5.888	30.672	36.560	-9.440	46.000
Vertical					
101.780	-0.021	25.253	25.231	-18.269	43.500
371.440	-2.737	28.077	25.340	-20.660	46.000
594.540	-3.773	29.414	25.641	-20.359	46.000
743.920	1.246	34.909	36.155	-9.845	46.000
891.360	2.218	31.382	33.600	-12.400	46.000
968.960	8.191	22.584	30.775	-23.225	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps (5745MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
113.420	-8.339	30.709	22.370	-21.130	43.500
239.520	-6.851	31.118	24.268	-21.732	46.000
365.620	-1.329	28.601	27.272	-18.728	46.000
594.540	3.927	31.011	34.938	-11.062	46.000
730.340	3.395	29.542	32.937	-13.063	46.000
891.360	5.888	30.434	36.322	-9.678	46.000
Vertical					
101.780	-0.021	24.274	24.252	-19.248	43.500
344.280	-3.171	30.349	27.179	-18.821	46.000
501.420	-0.795	25.299	24.504	-21.496	46.000
606.180	-1.594	25.237	23.643	-22.357	46.000
755.560	3.281	29.561	32.842	-13.158	46.000
970.900	7.302	23.854	31.156	-22.844	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
191.020	-10.040	32.387	22.347	-21.153	43.500
355.920	-2.528	30.255	27.727	-18.273	46.000
594.540	3.927	33.277	37.204	-8.796	46.000
743.920	3.326	37.957	41.283	-4.717	46.000
891.360	5.888	27.533	33.421	-12.579	46.000
965.080	6.852	24.129	30.981	-23.019	54.000
Vertical					
117.300	-3.106	27.672	24.566	-18.934	43.500
594.540	-3.773	31.584	27.811	-18.189	46.000
743.920	1.246	37.415	38.661	-7.339	46.000
802.120	3.161	26.448	29.609	-16.391	46.000
891.360	2.218	34.493	36.711	-9.289	46.000
968.960	8.191	22.168	30.359	-23.641	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
117.300	-9.196	31.313	22.117	-21.383	43.500
191.020	-10.040	32.228	22.188	-21.312	43.500
371.440	-1.097	28.813	27.716	-18.284	46.000
594.540	3.927	33.192	37.119	-8.881	46.000
743.920	3.326	38.035	41.361	-4.639	46.000
891.360	5.888	34.134	40.022	-5.978	46.000
Vertical					
101.780	-0.021	25.265	25.243	-18.257	43.500
450.980	-7.106	30.853	23.748	-22.252	46.000
606.180	-1.594	31.995	30.401	-15.599	46.000
743.920	1.246	37.477	38.723	-7.277	46.000
891.360	2.218	29.613	31.831	-14.169	46.000
968.960	8.191	24.369	32.560	-21.440	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band) (5785 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
191.020	-10.040	29.287	19.247	-24.253	43.500
301.600	-3.375	30.228	26.854	-19.146	46.000
458.740	0.833	24.580	25.413	-20.587	46.000
602.300	4.287	24.444	28.731	-17.269	46.000
757.500	4.361	29.340	33.701	-12.299	46.000
842.860	5.384	28.223	33.607	-12.393	46.000
Vertical					
39.700	-1.056	28.706	27.650	-12.350	40.000
99.840	-0.021	24.541	24.520	-18.980	43.500
379.200	-1.505	27.140	25.634	-20.366	46.000
524.700	-0.379	25.008	24.629	-21.371	46.000
743.920	1.246	32.117	33.363	-12.637	46.000
891.360	2.218	31.775	33.993	-12.007	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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 : ASUS Tablet
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : 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					
113.420	-8.339	29.782	21.443	-22.057	43.500
239.520	-6.851	30.381	23.531	-22.469	46.000
373.380	-1.163	28.049	26.886	-19.114	46.000
594.540	3.927	26.191	30.118	-15.882	46.000
728.400	3.452	28.501	31.953	-14.047	46.000
842.860	5.384	28.016	33.400	-12.600	46.000
Vertical					
99.840	-0.021	24.759	24.738	-18.762	43.500
344.280	-3.171	30.063	26.893	-19.107	46.000
544.100	-0.688	25.587	24.899	-21.101	46.000
743.920	1.246	34.171	35.417	-10.583	46.000
875.840	1.621	29.872	31.493	-14.507	46.000
970.900	7.302	23.284	30.586	-23.414	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. 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

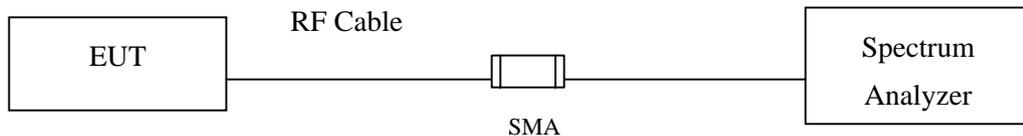
5.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
X	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 ANSI C63.10: 2009 for compliance to FCC 47CFR 15.247 requirements.

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

5.5. Uncertainty

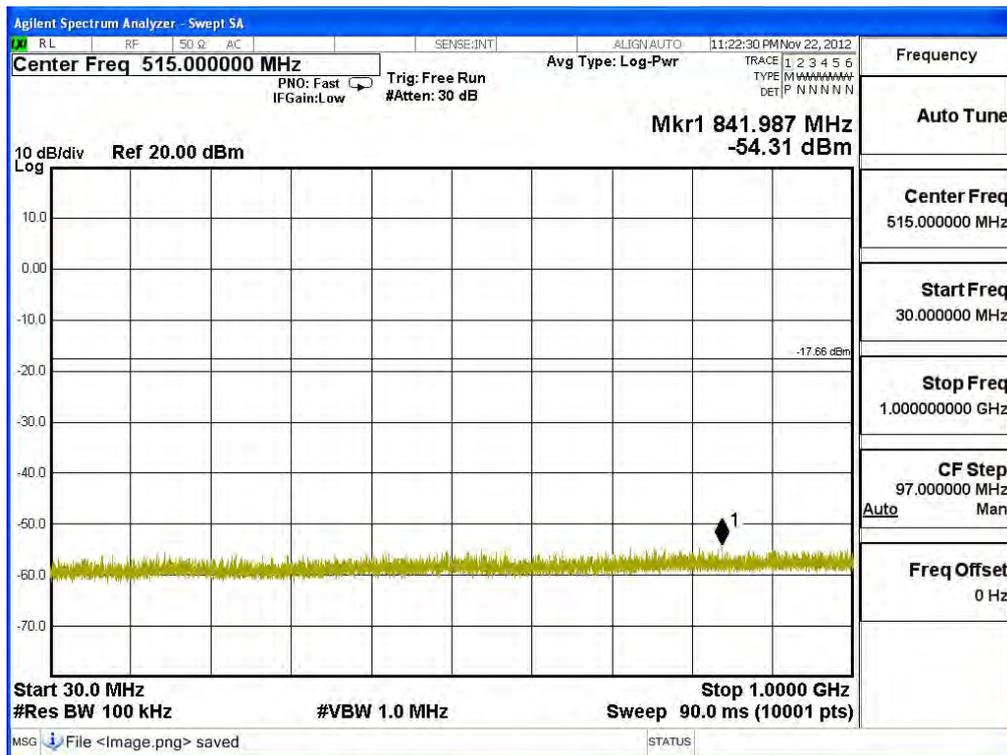
The measurement uncertainty

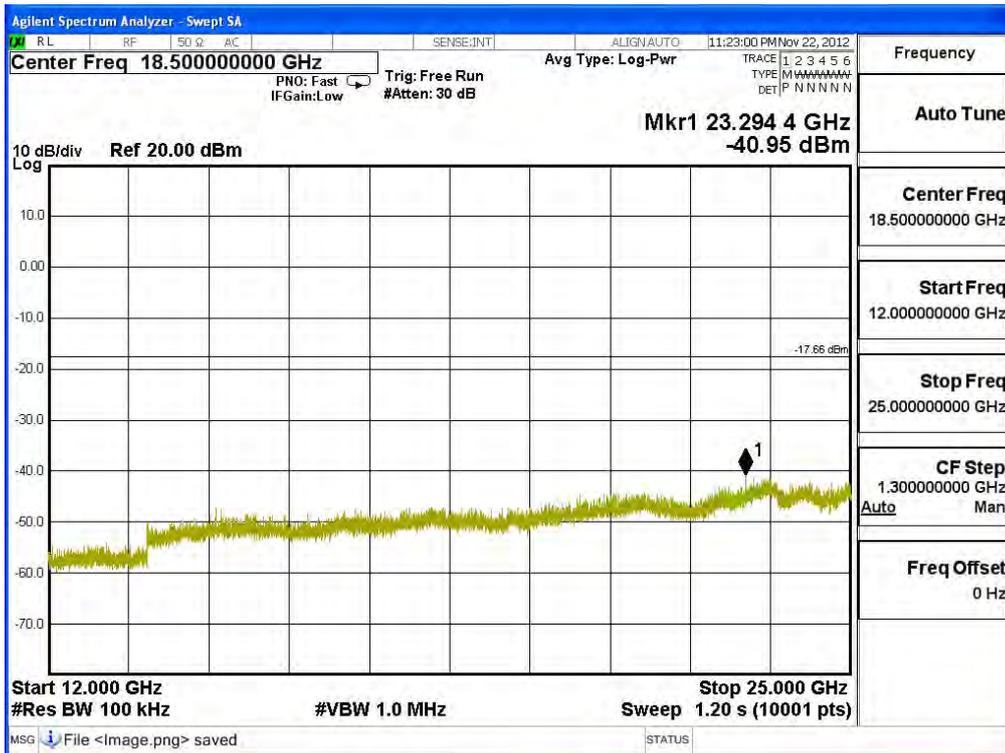
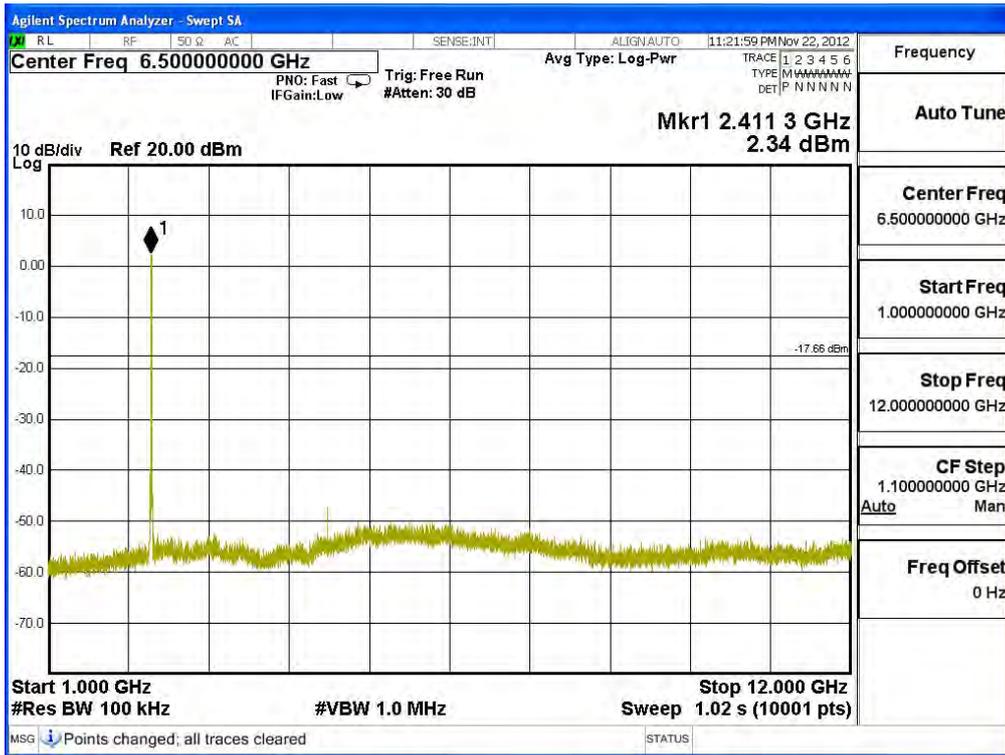
Conducted is defined as $\pm 1.27\text{dB}$

5.6. Test Result of RF antenna conducted test

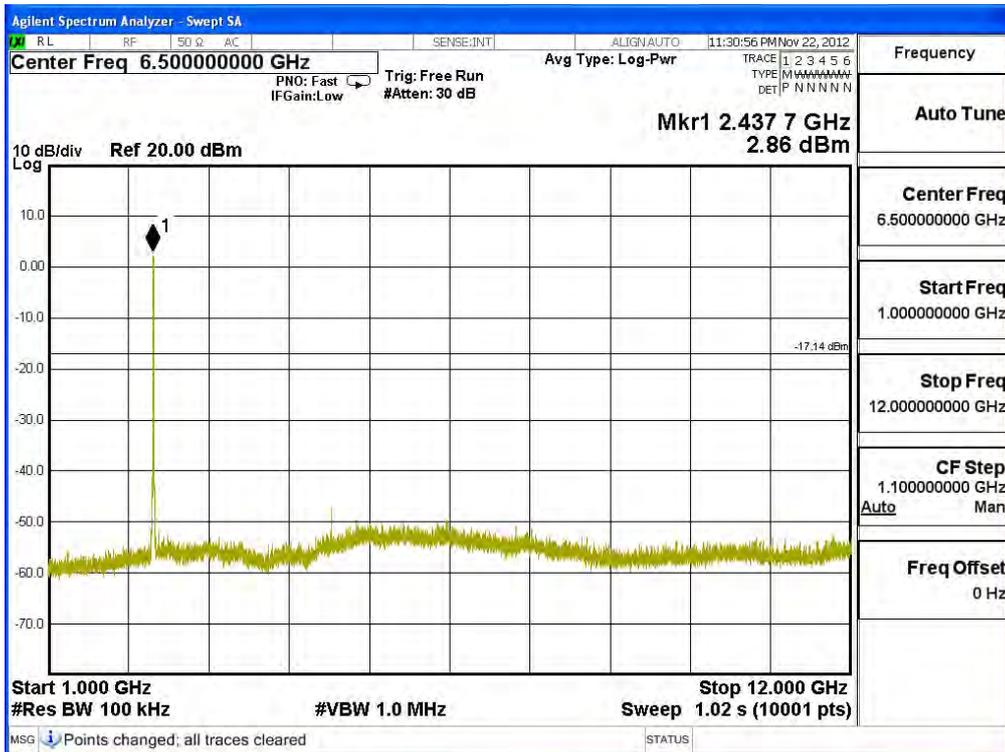
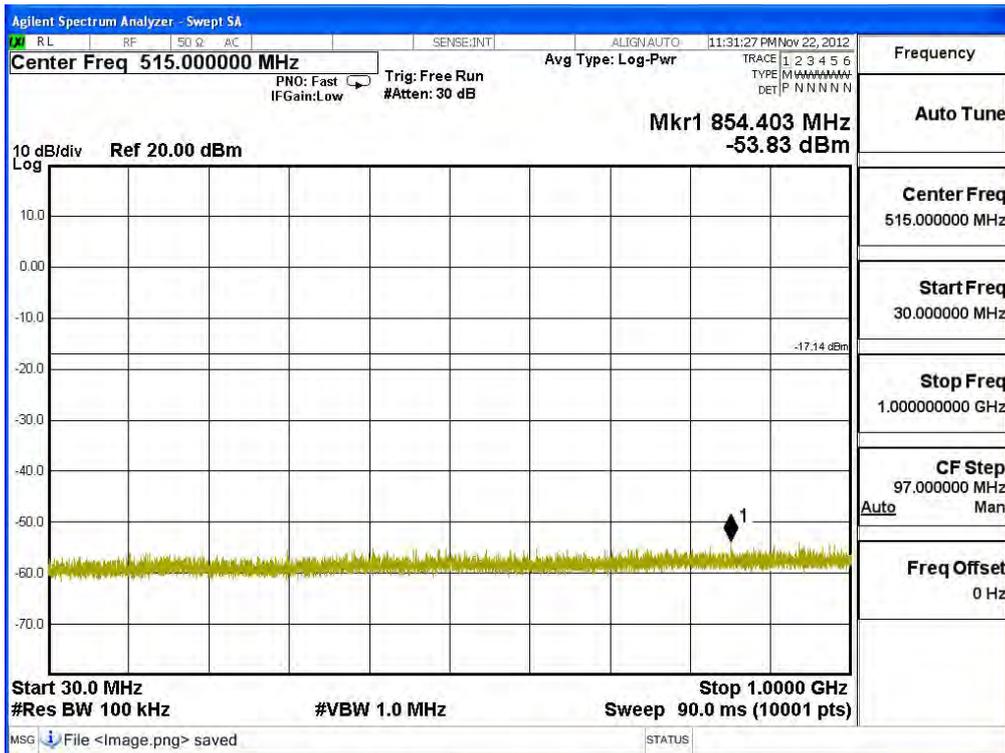
Product : ASUS Tablet
 Test Item : RF antenna conducted test
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit - 802.11b 1Mbps

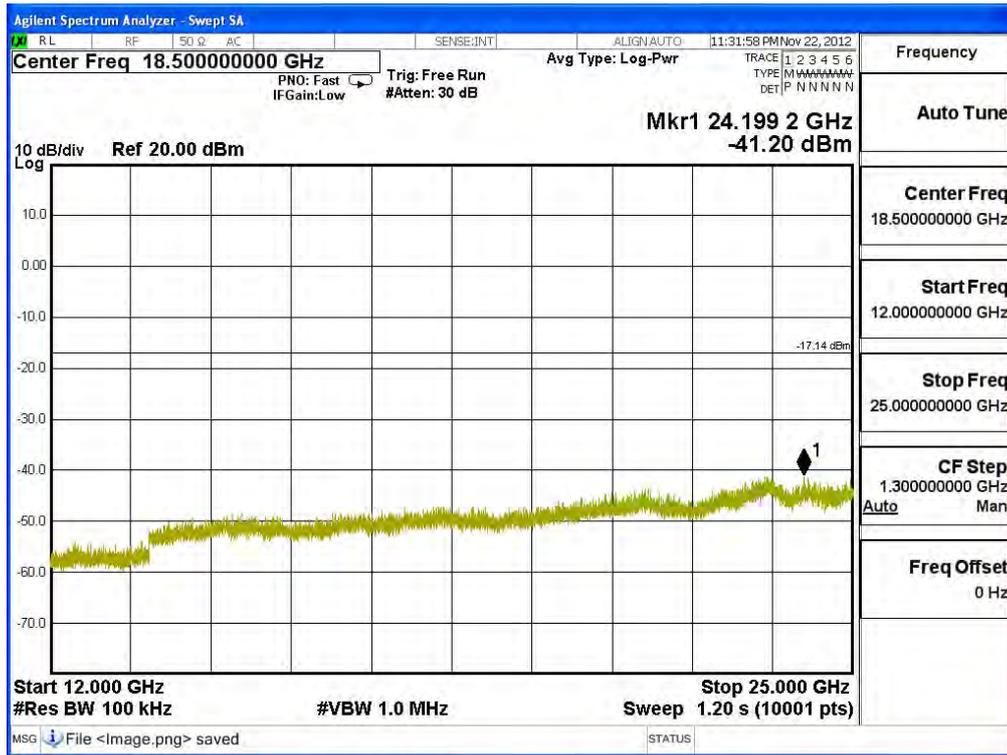
Channel 01 (2412MHz) 30MHz-25GHz



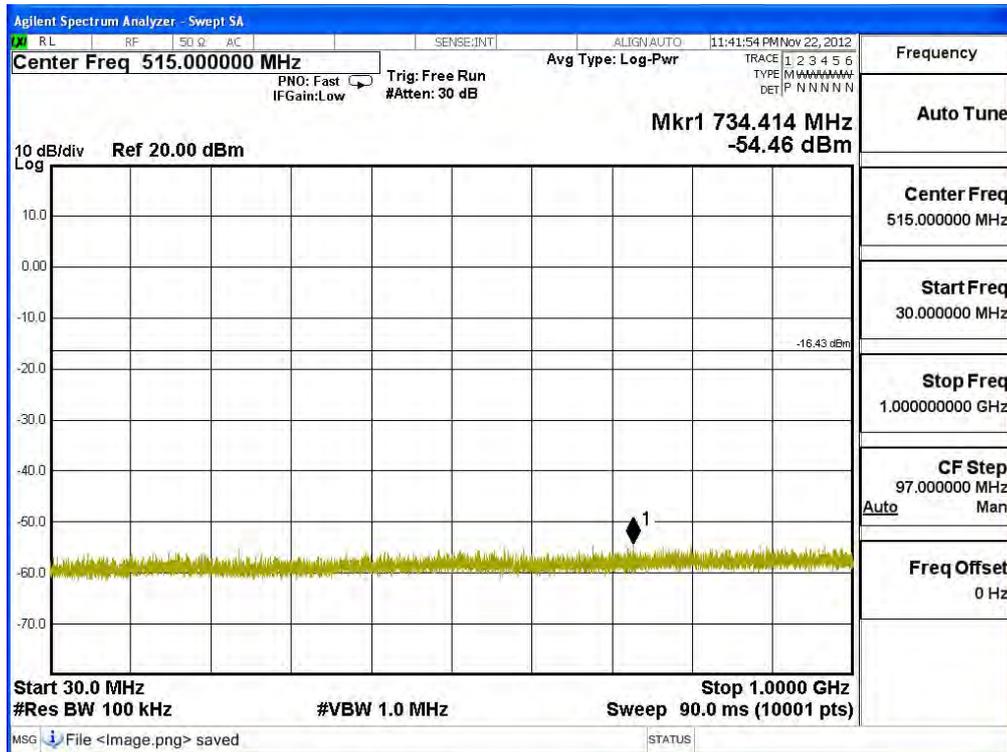


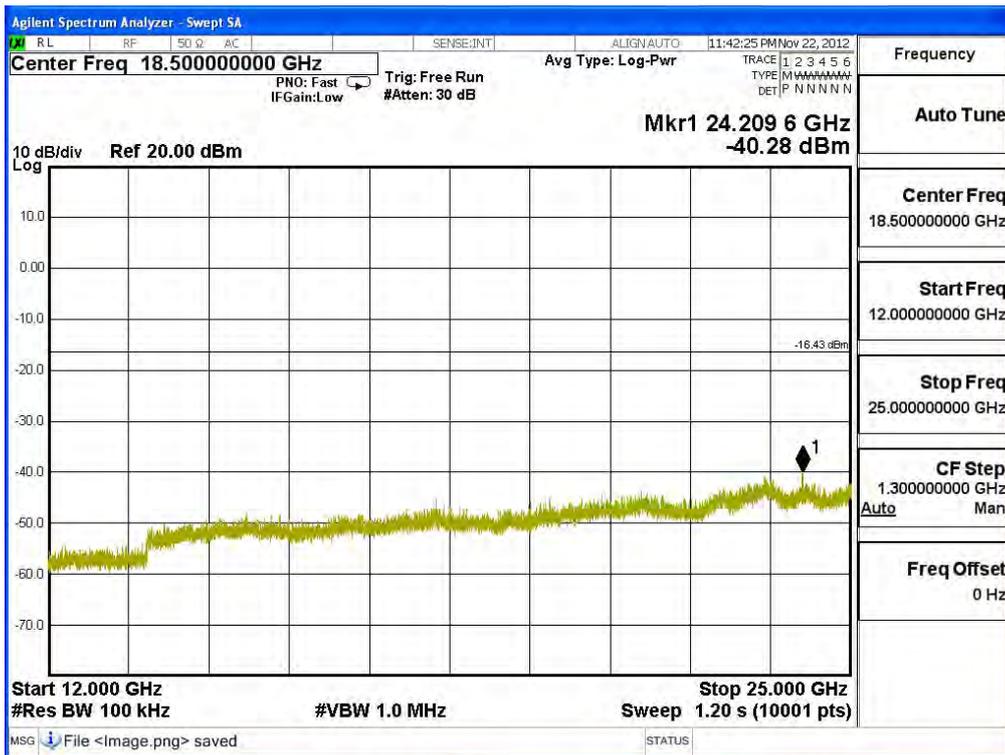
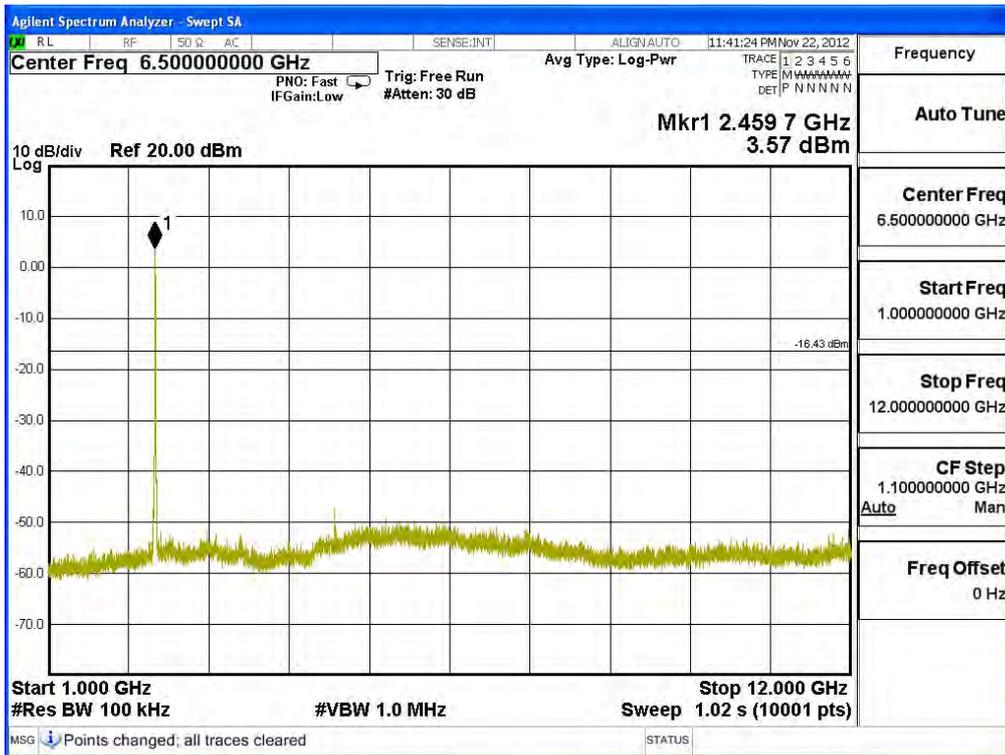
Channel 06 (2437MHz) 30MHz -25GHz





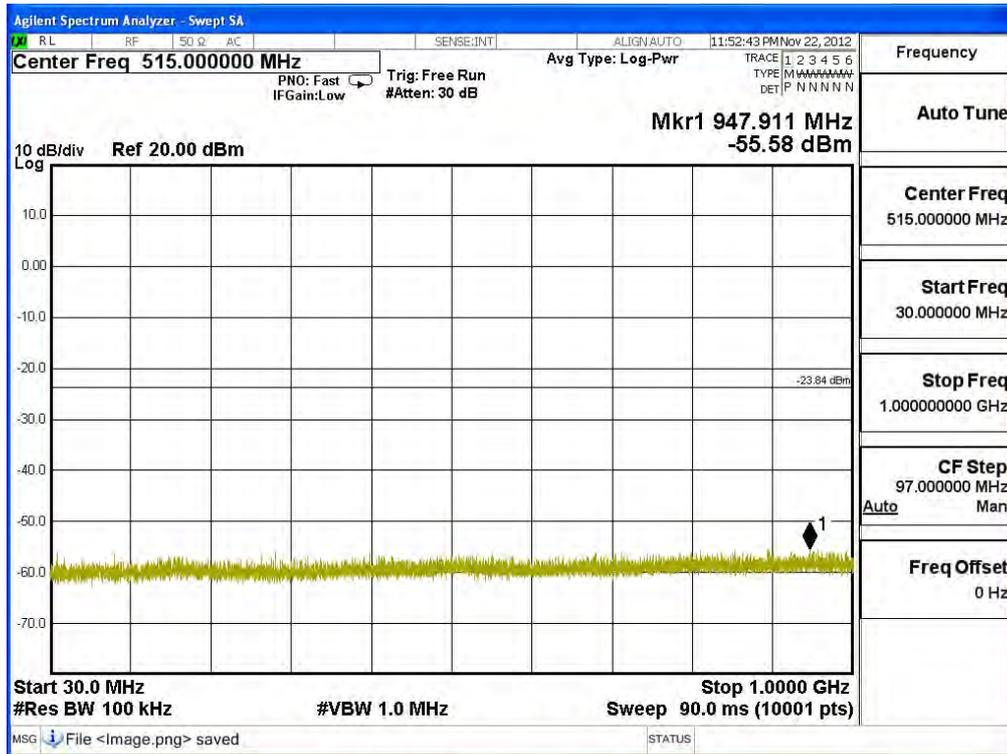
Channel 11 (2462MHz) 30MHz -25GHz

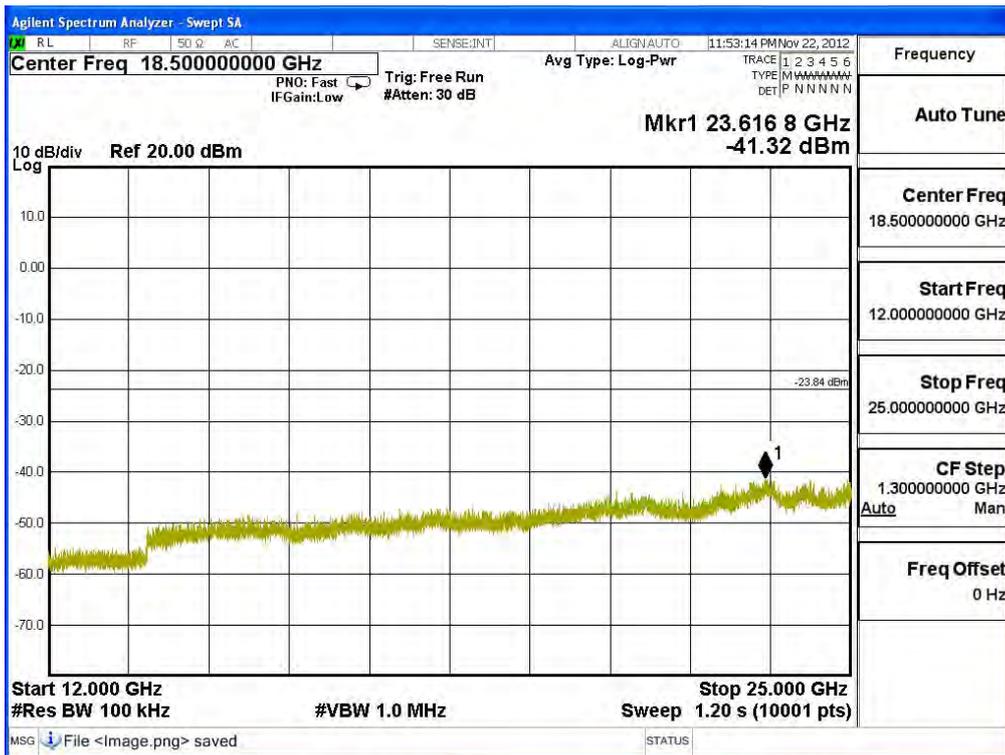
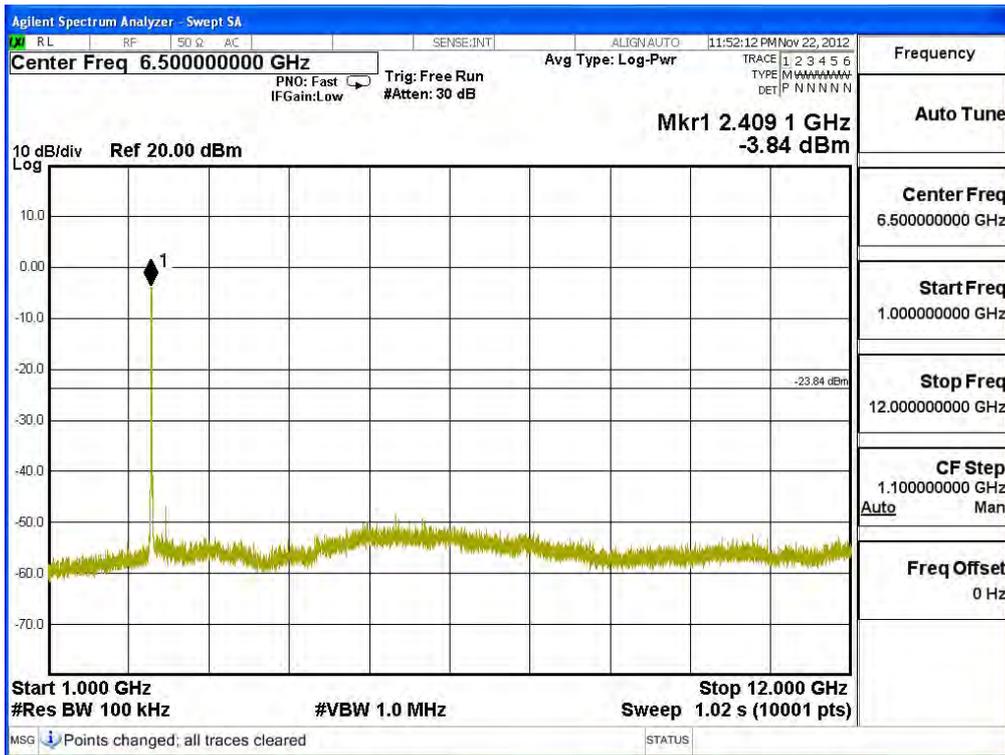




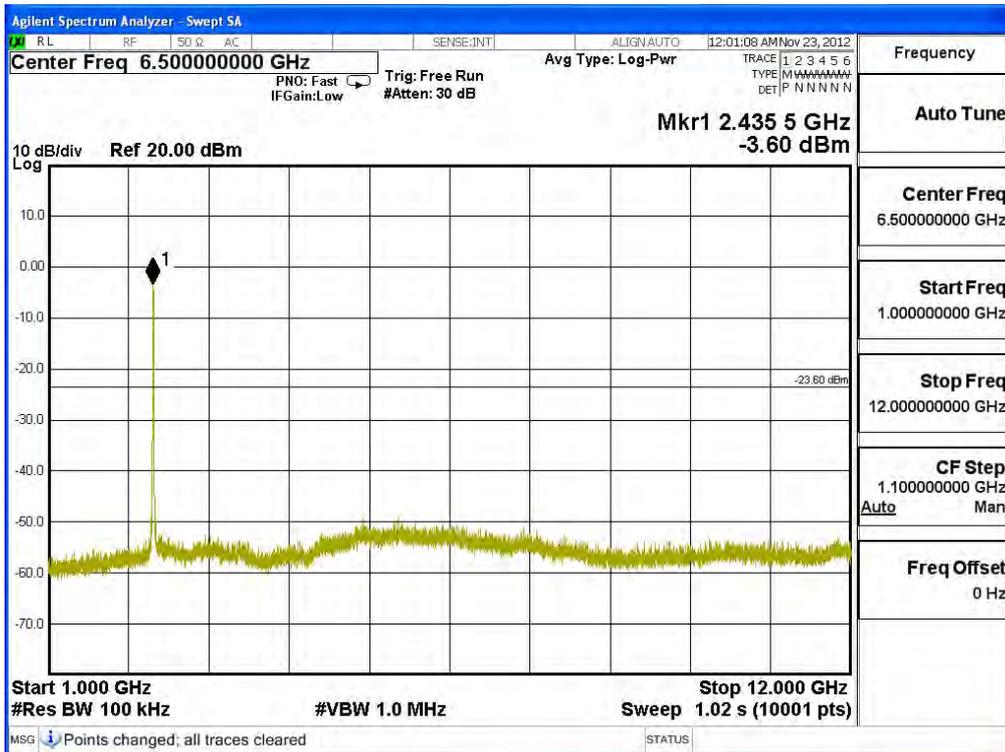
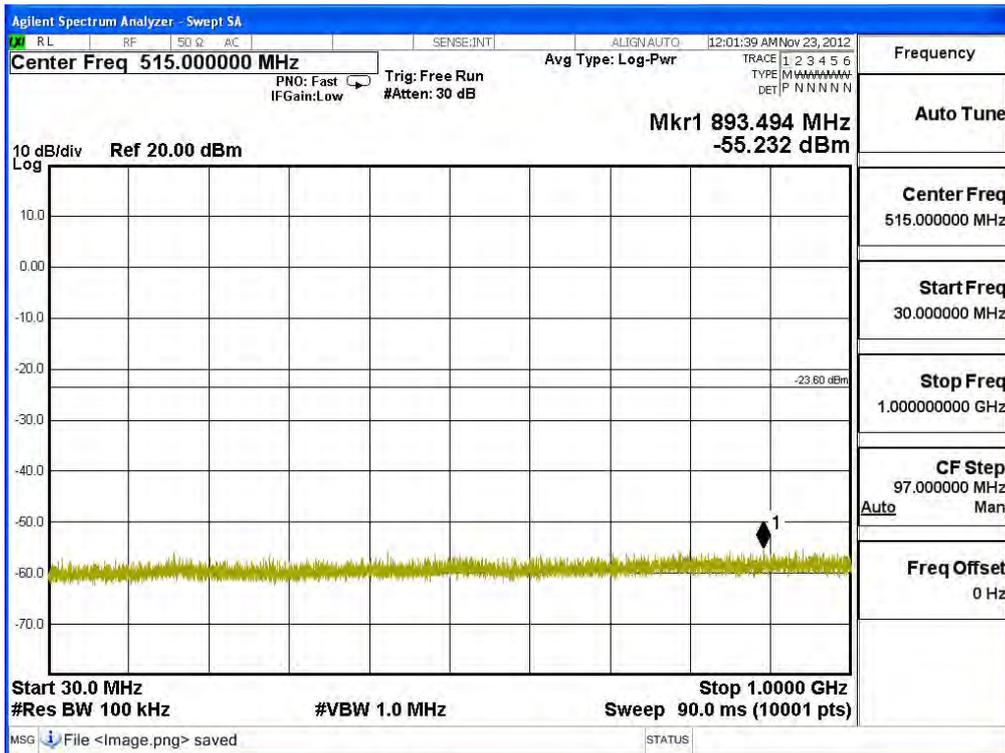
Product : ASUS Tablet
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit - 802.11g 6Mbps

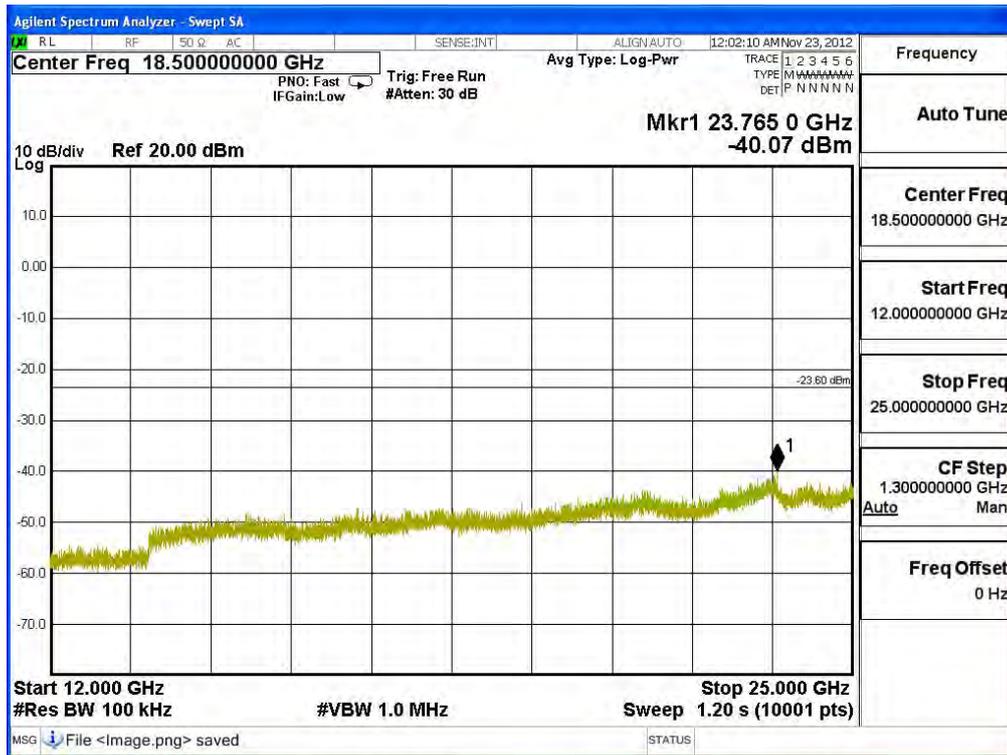
Channel 01 (2412MHz) 30MHz -25GHz



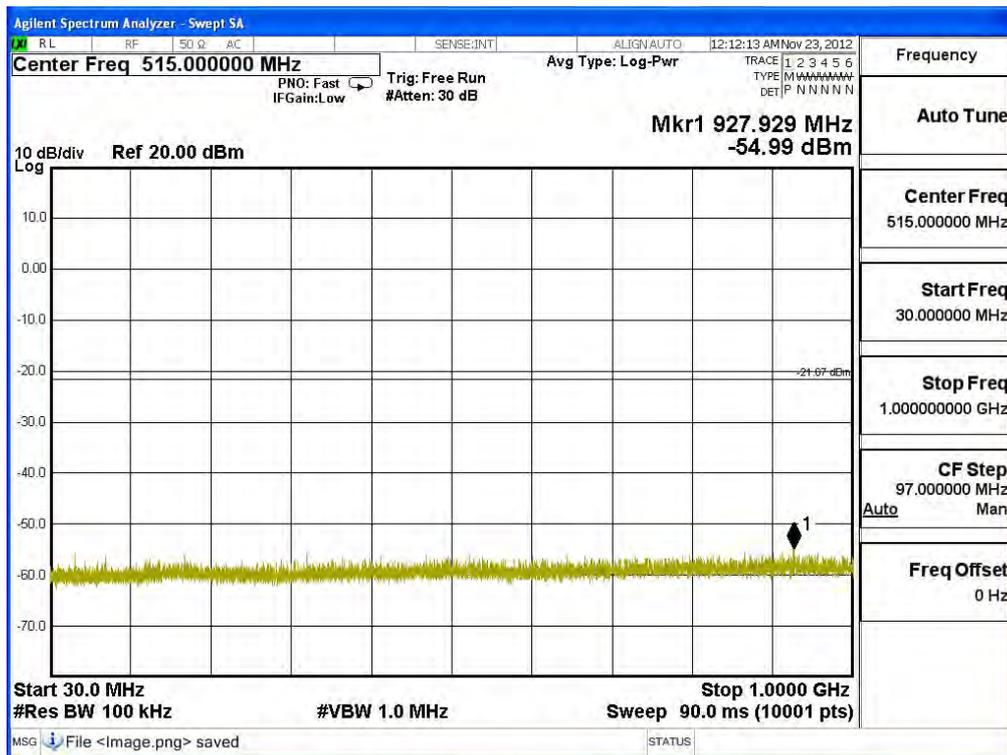


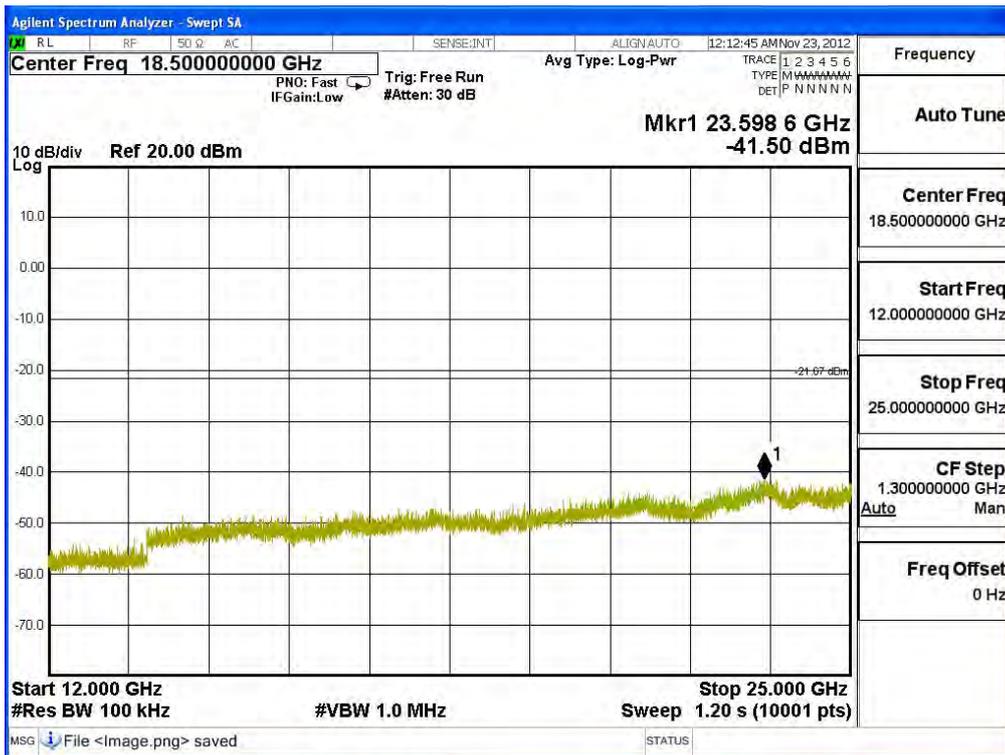
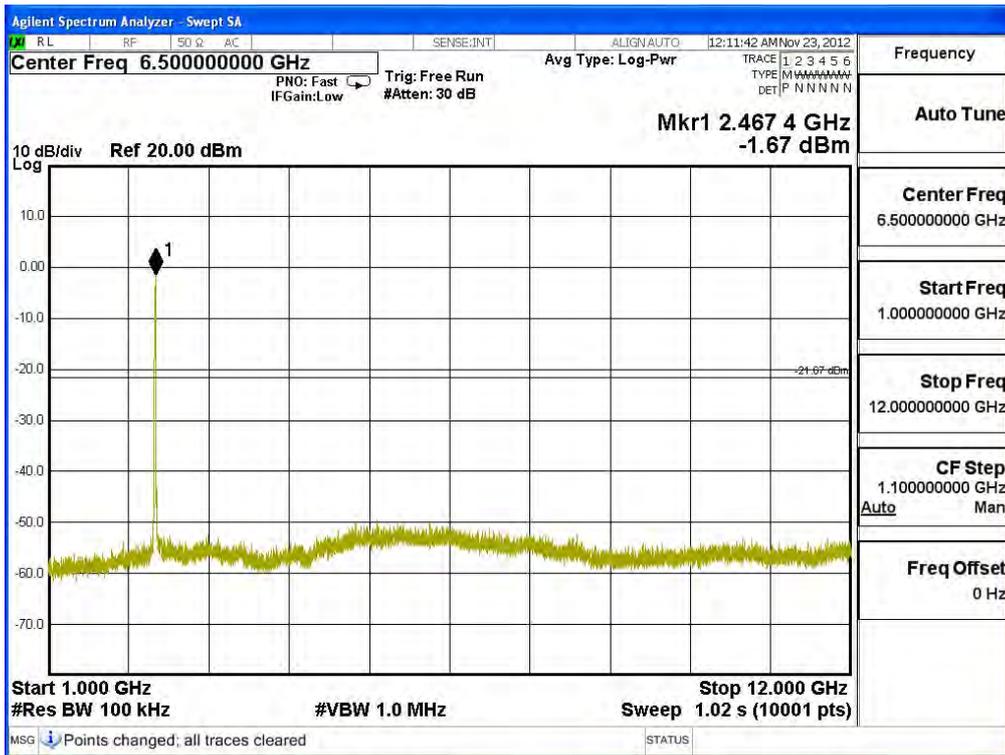
Channel 06 (2437MHz) 30MHz -25GHz





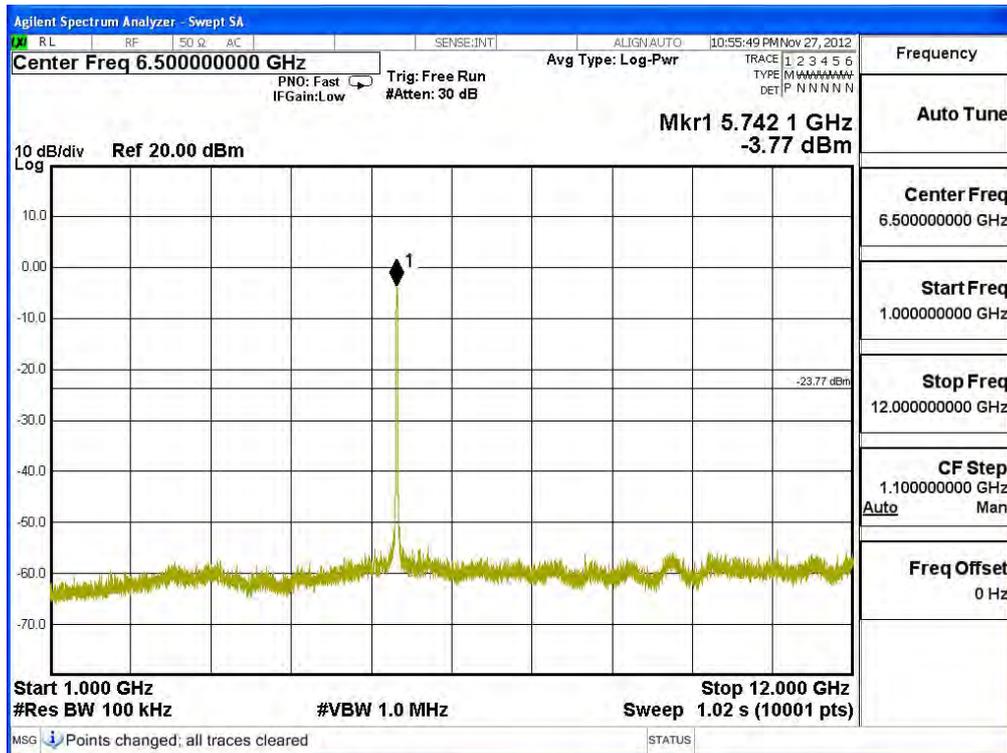
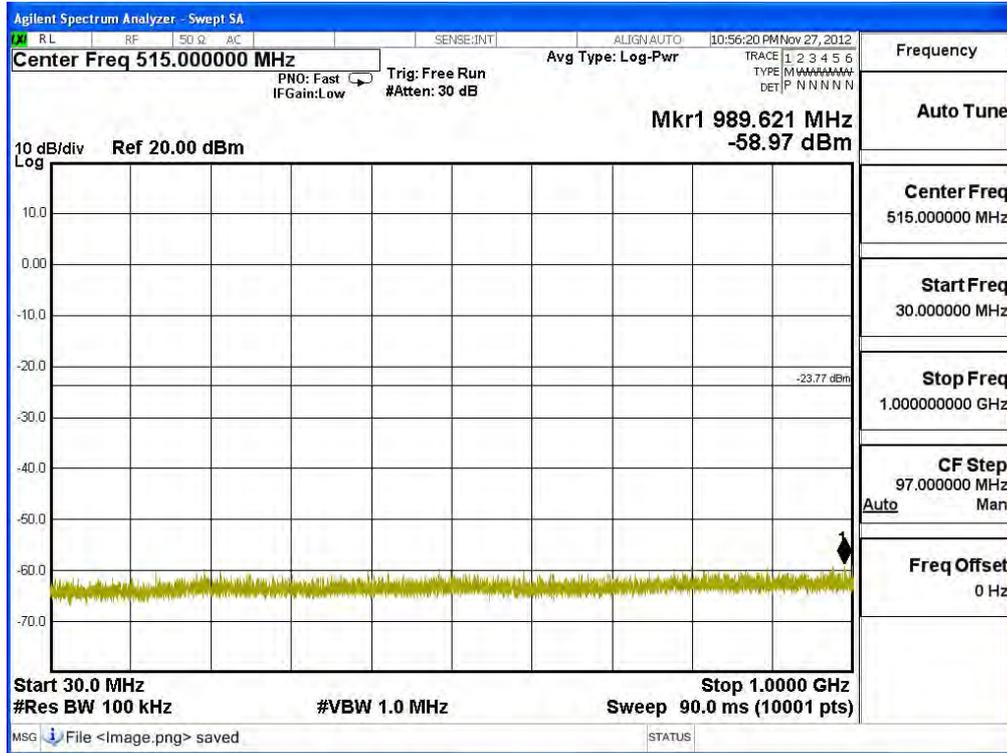
Channel 11 (2462MHz) 30MHz -25GHz

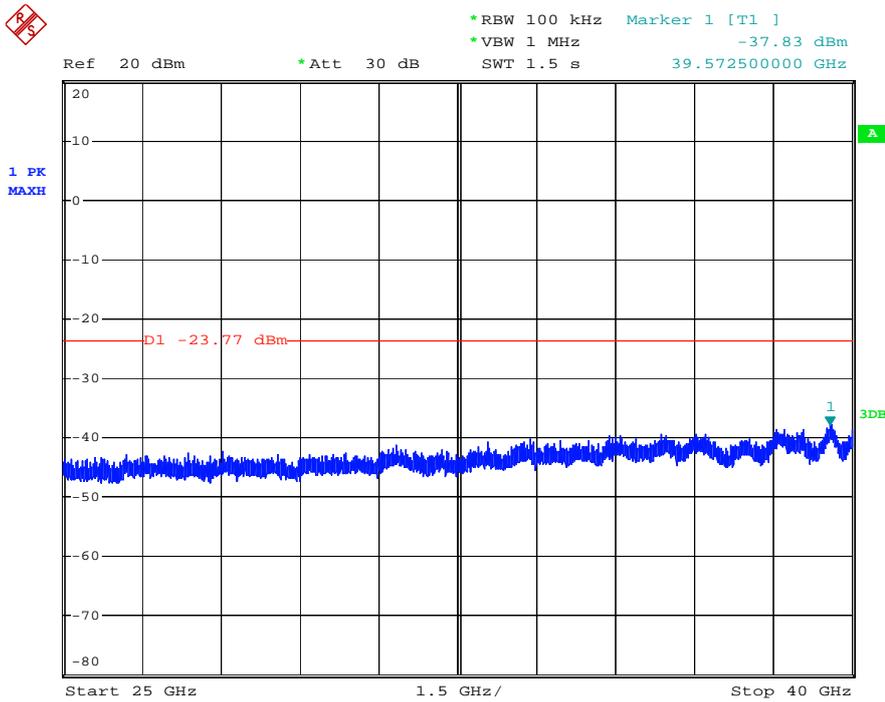
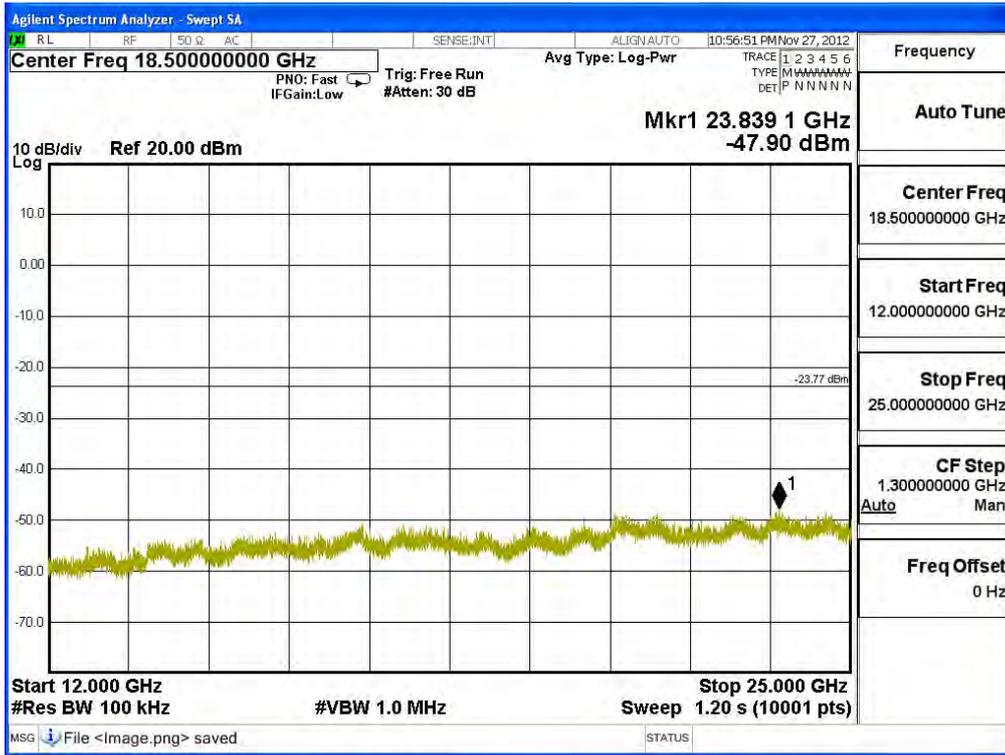




Product : ASUS Tablet
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps

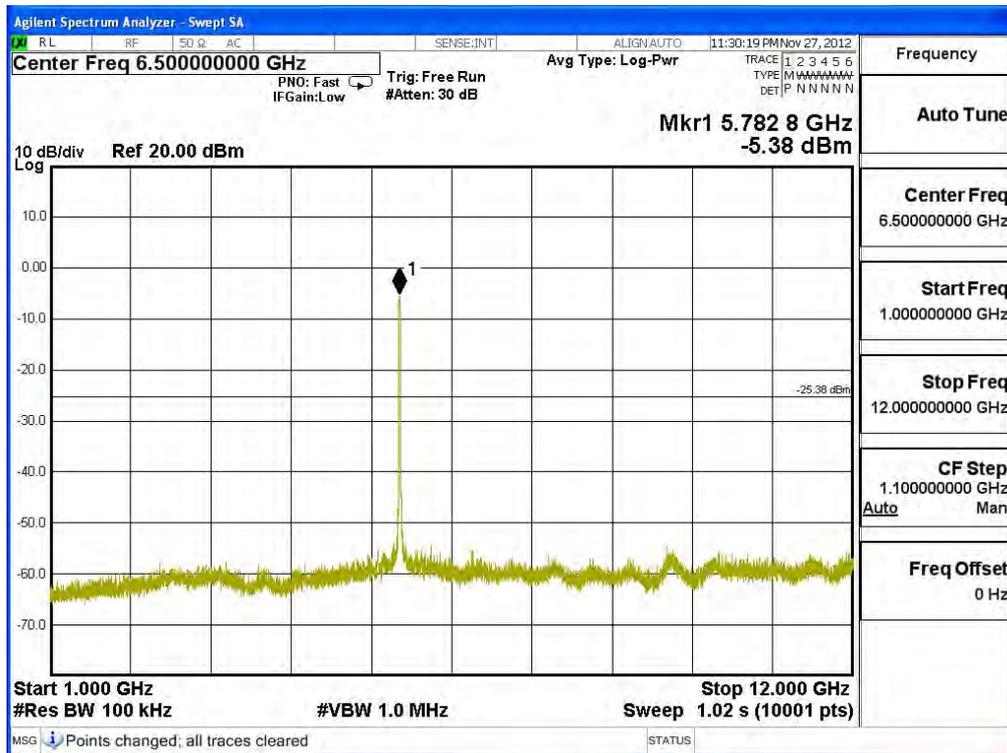
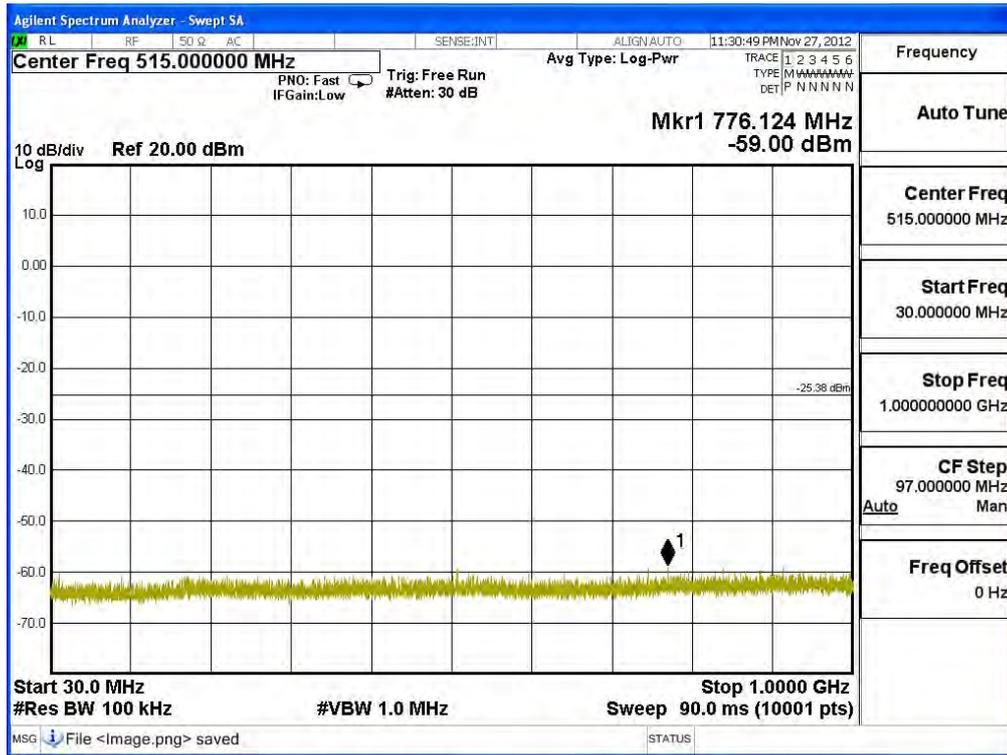
Channel 149 (5745MHz) 30MHz -40GHz

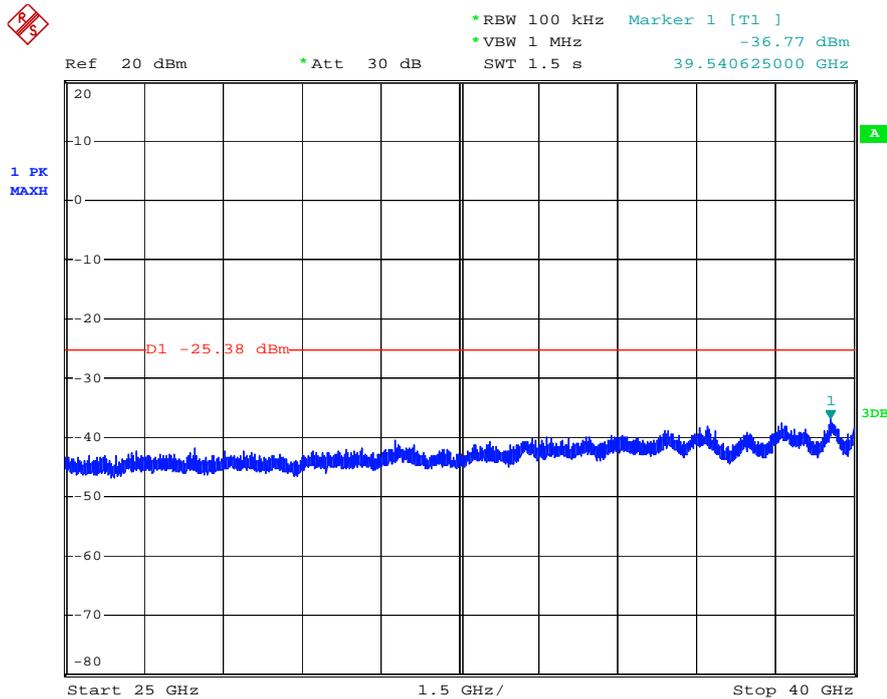
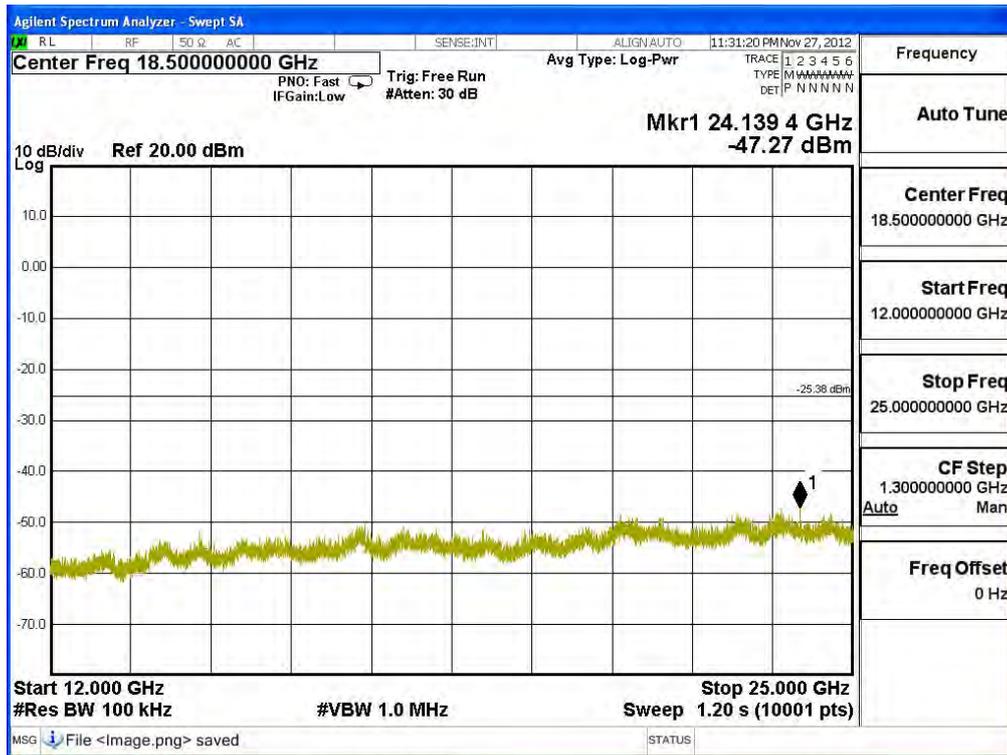




Date: 30.NOV.2012 16:26:47

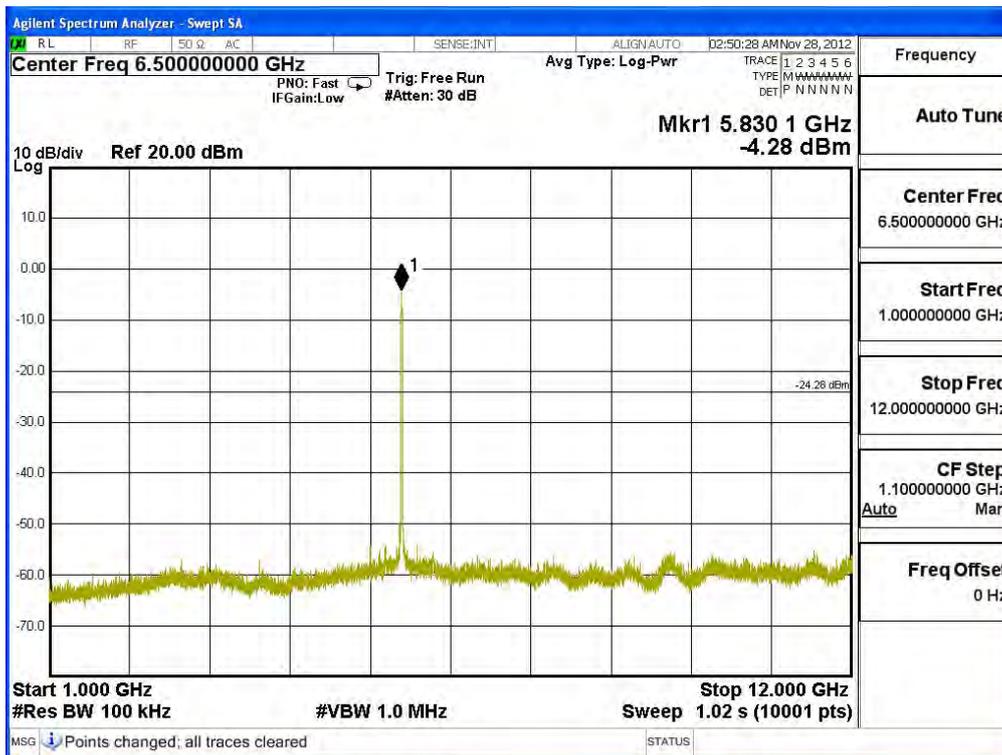
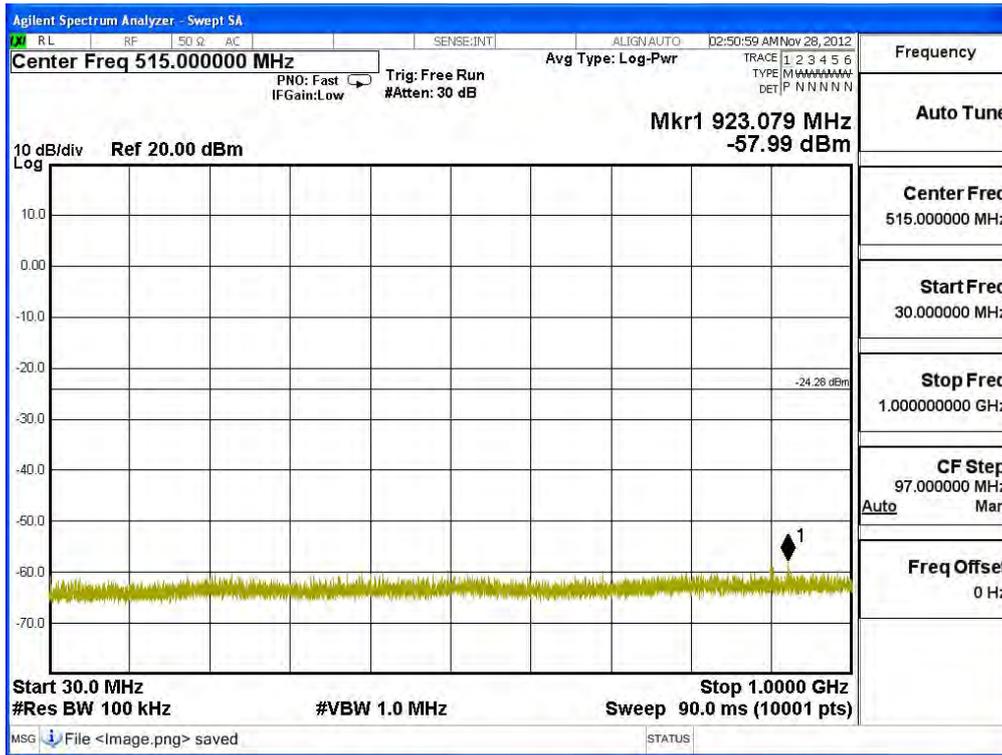
Channel 157 (5785MHz) 30MHz -40GHz

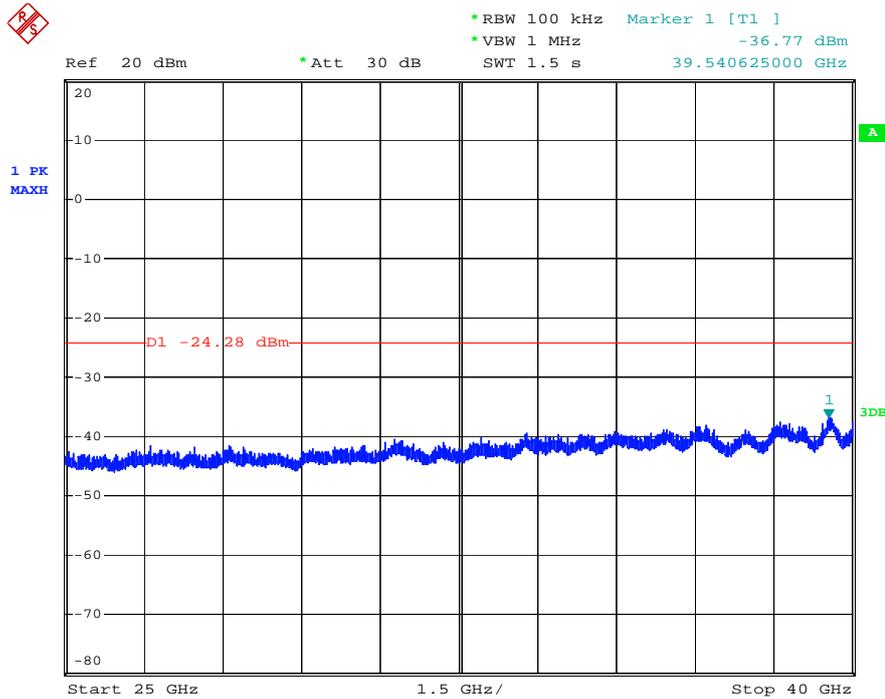
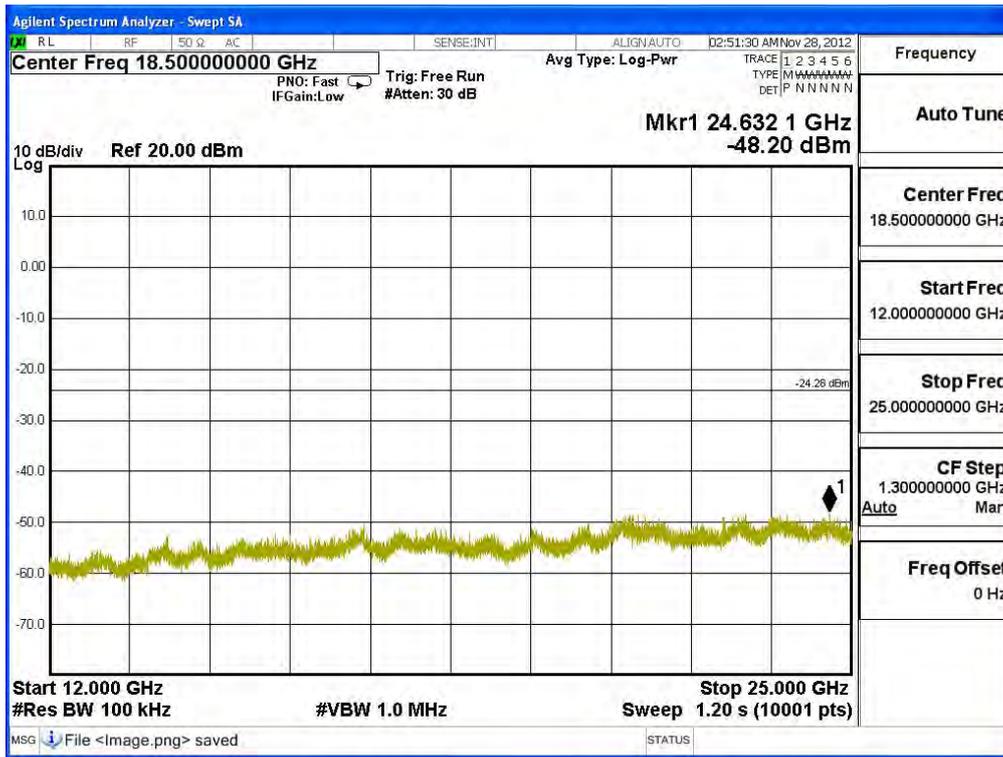




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Channel 165 (5825MHz) 30MHz -40GHz

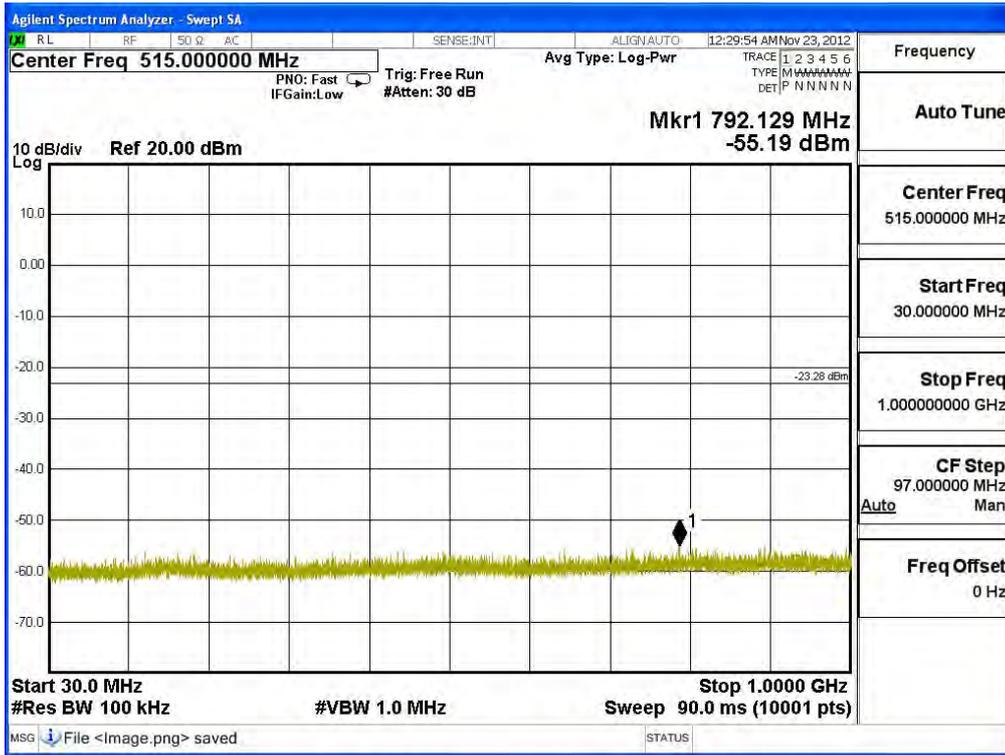


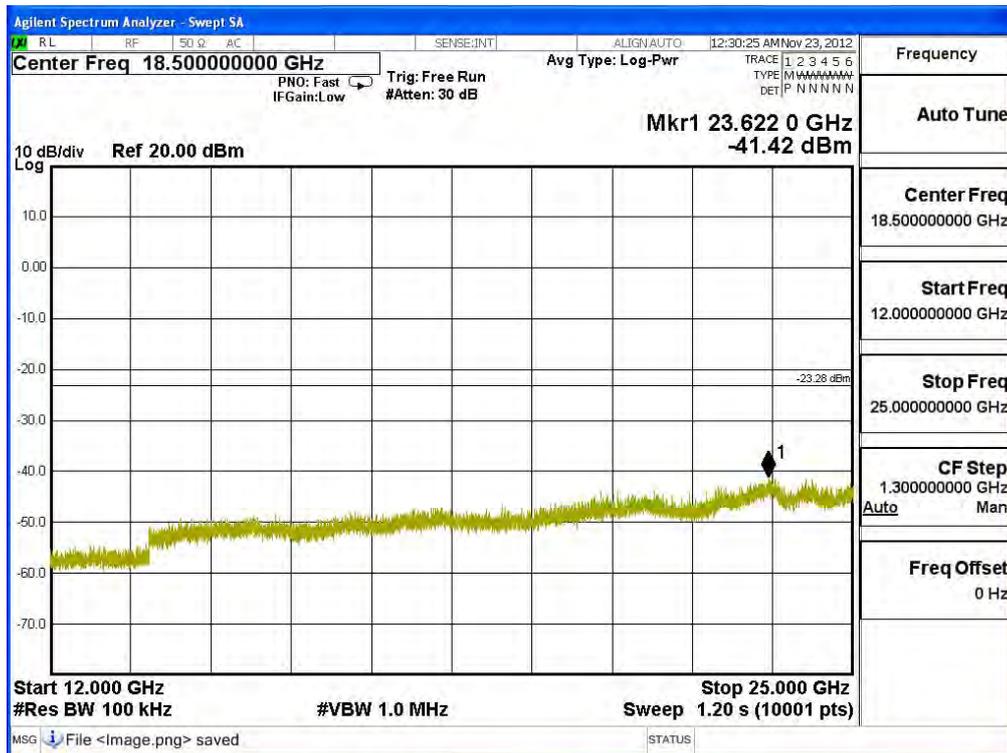
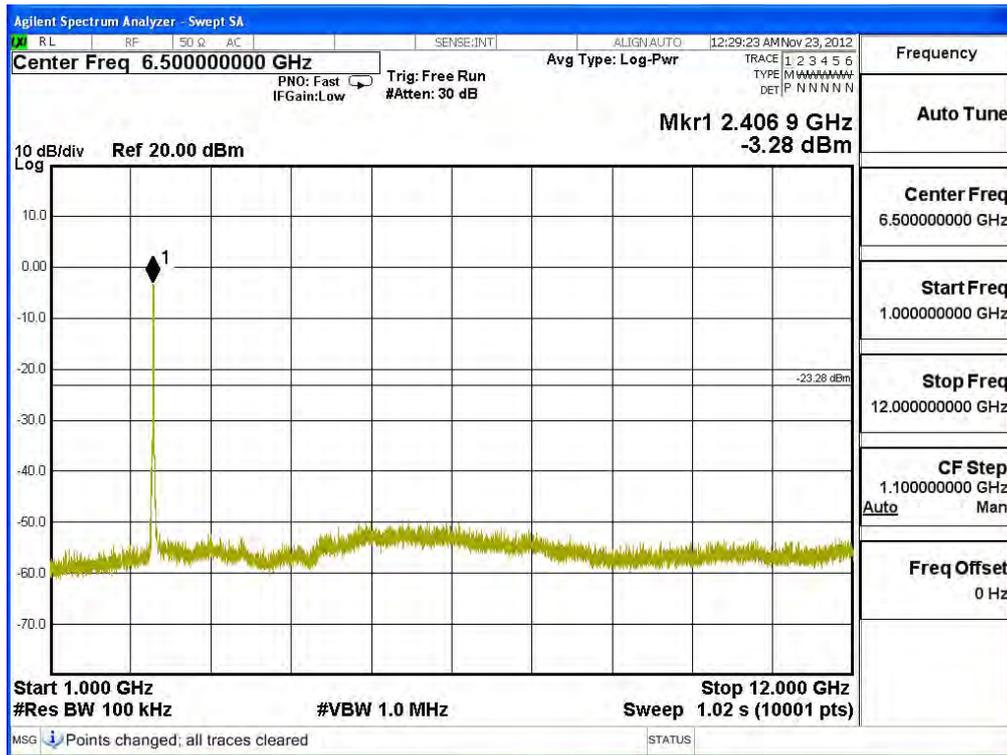


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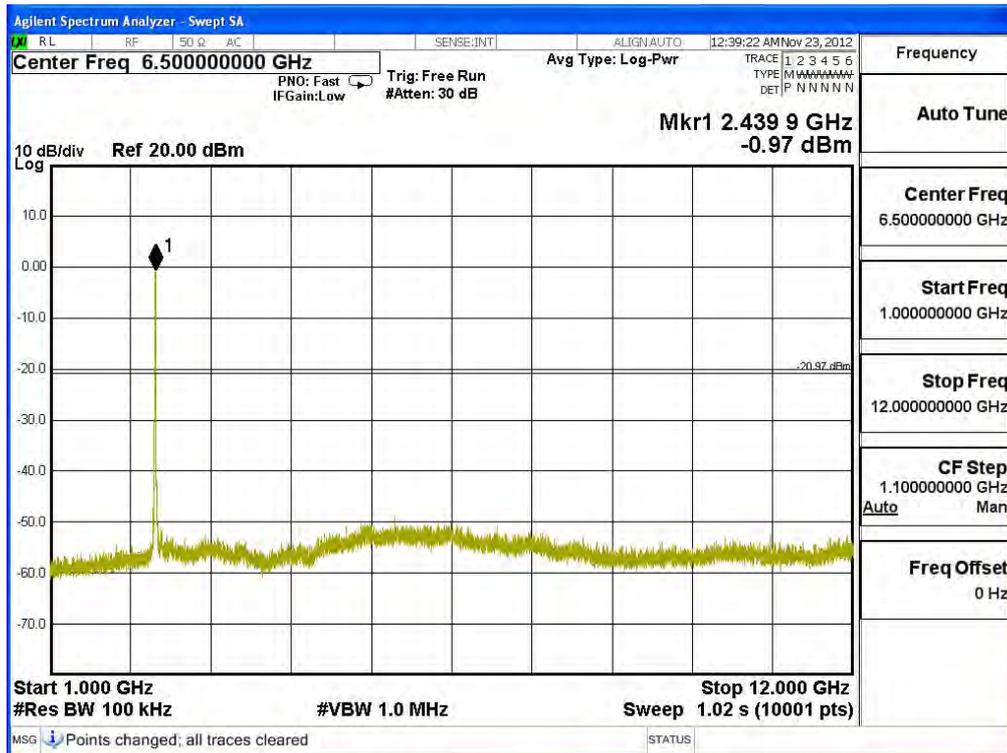
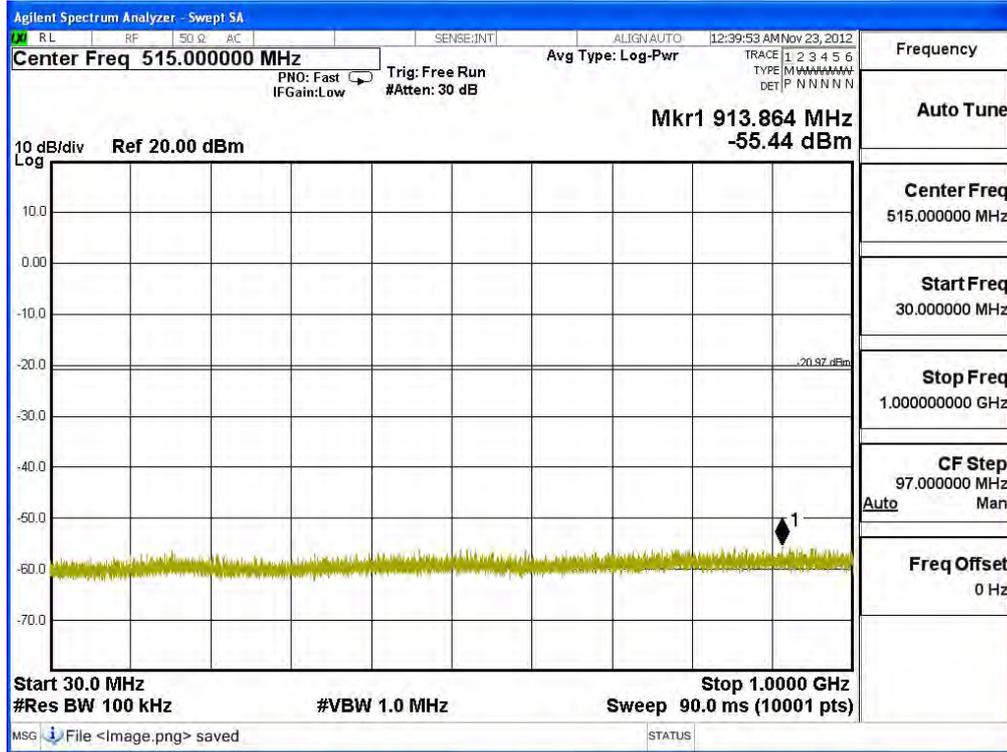
Product : ASUS Tablet
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 4: Transmit - 802.11n-20BW_14.4Mbps(2.4G Band)

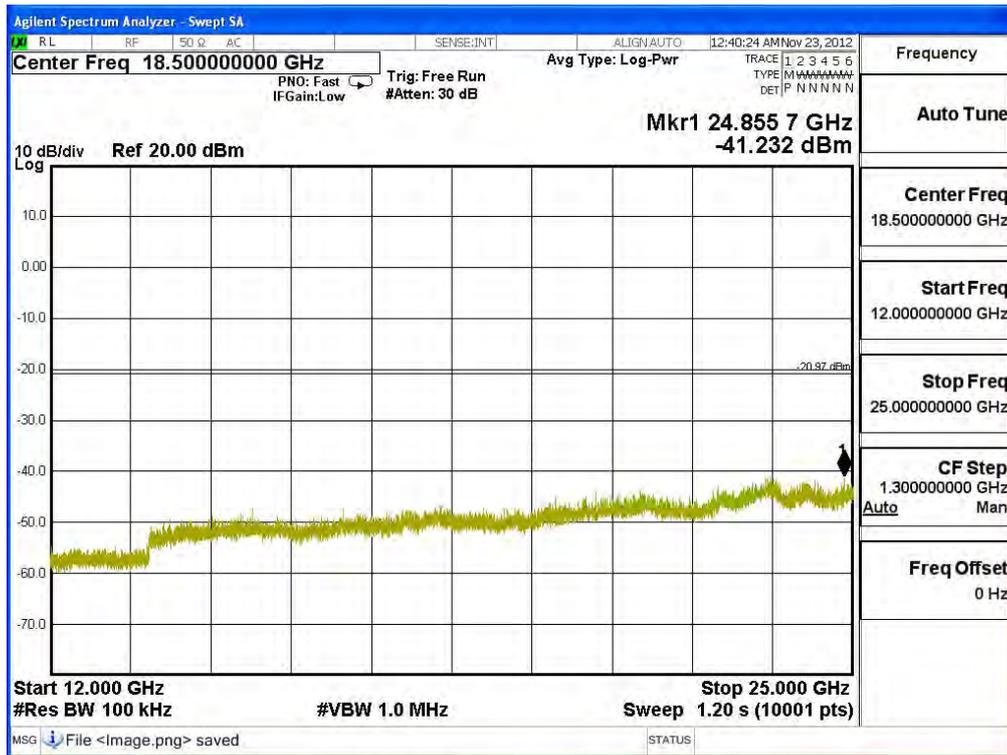
Channel 01 (2412MHz) 30MHz -25GHz-Chain A



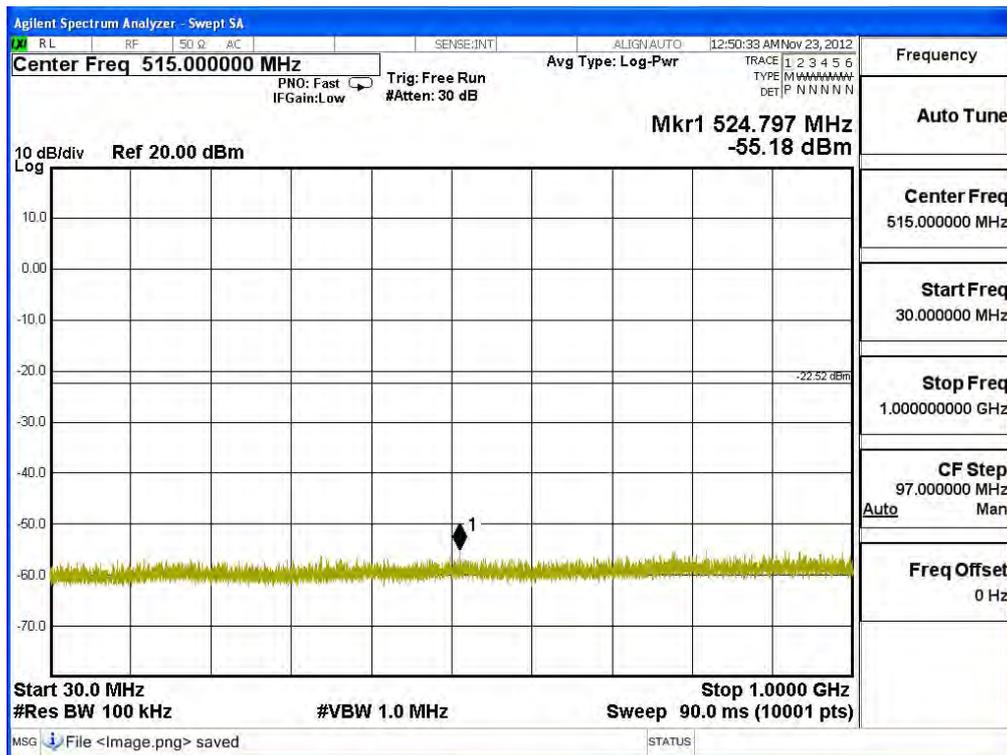


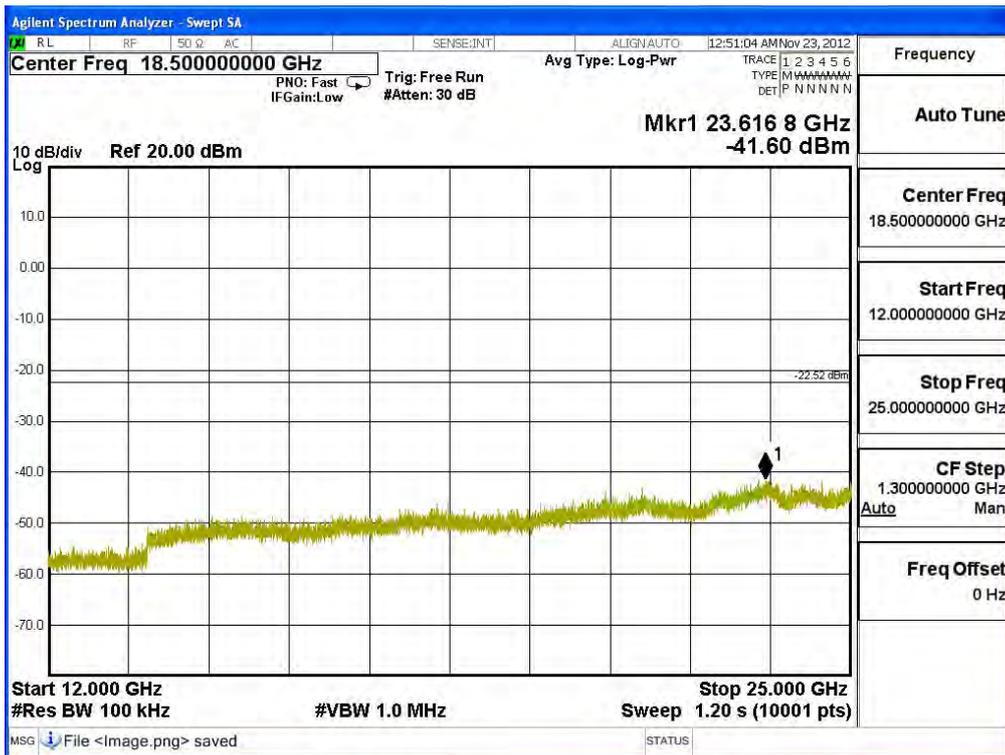
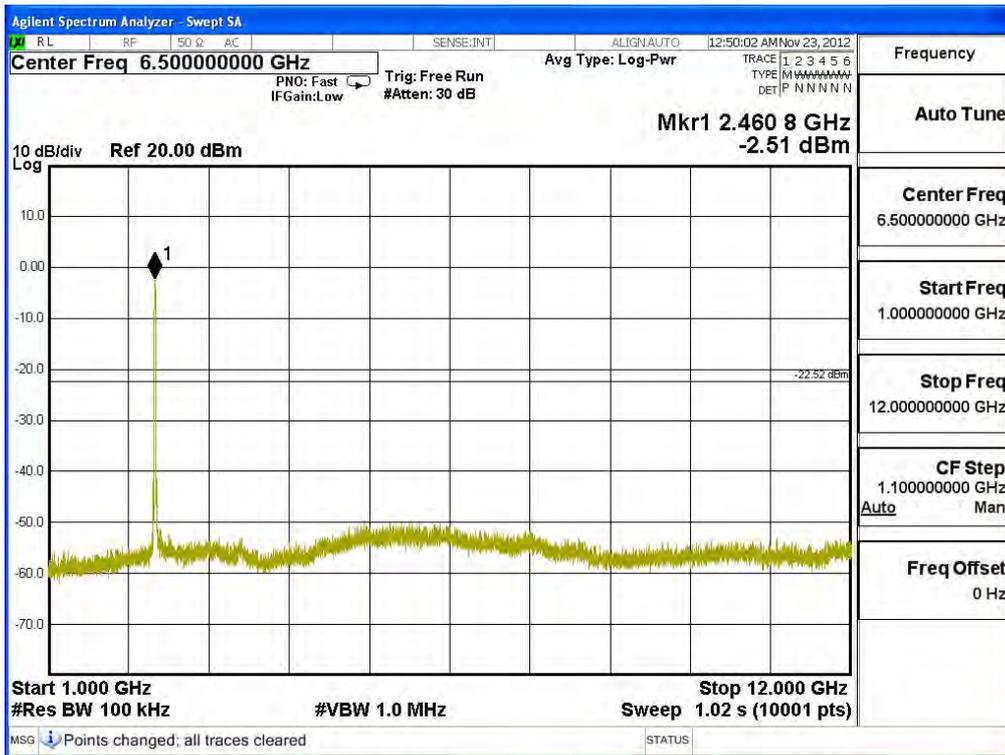
Channel 06 (2437MHz) 30MHz -25GHz-Chain A



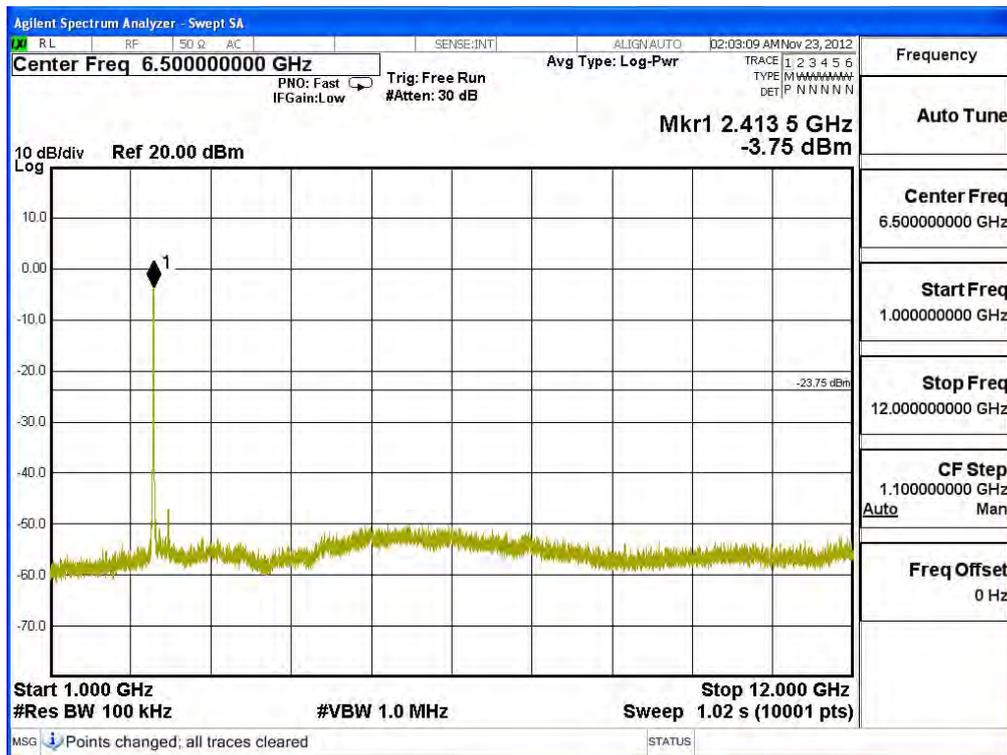
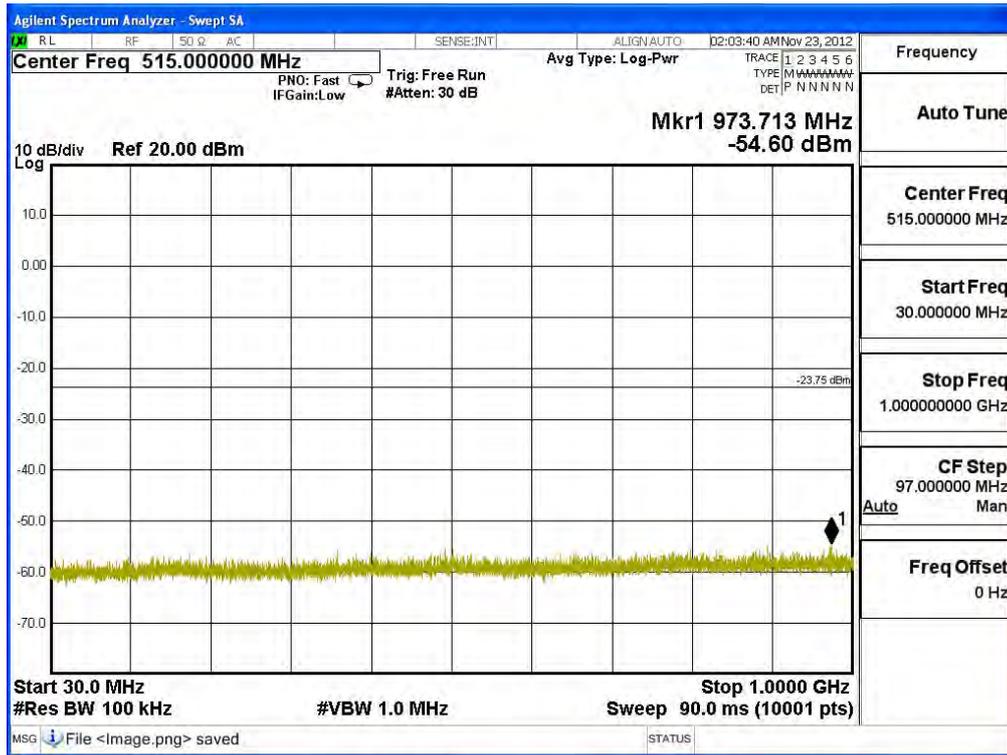


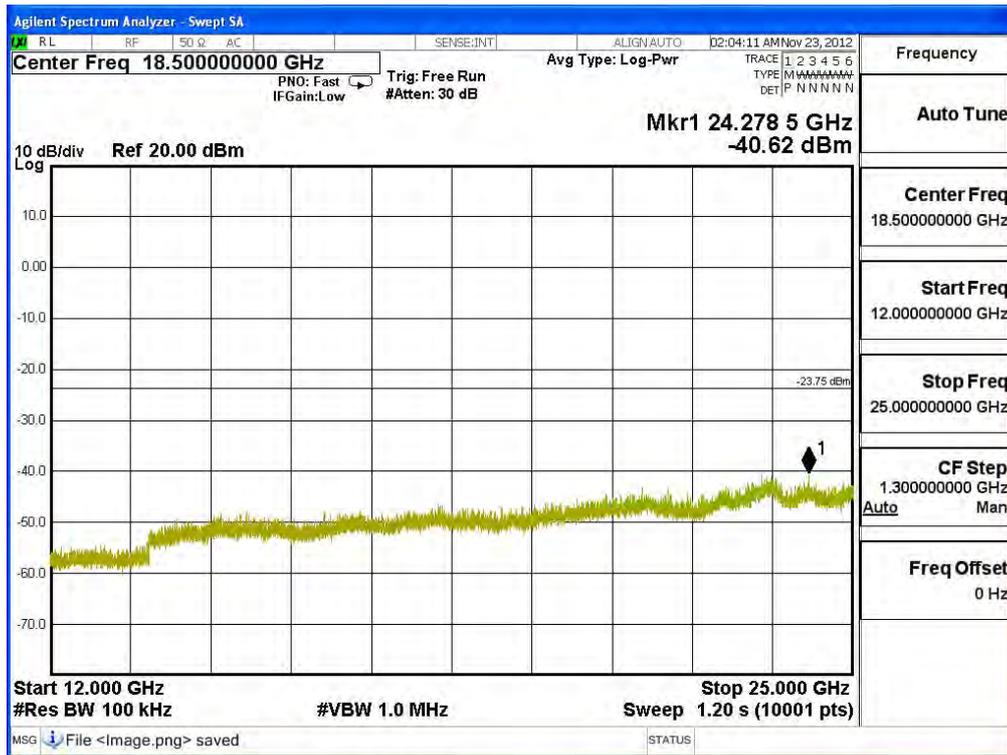
Channel 11 (2462MHz) 30MHz -25GHz-Chain A



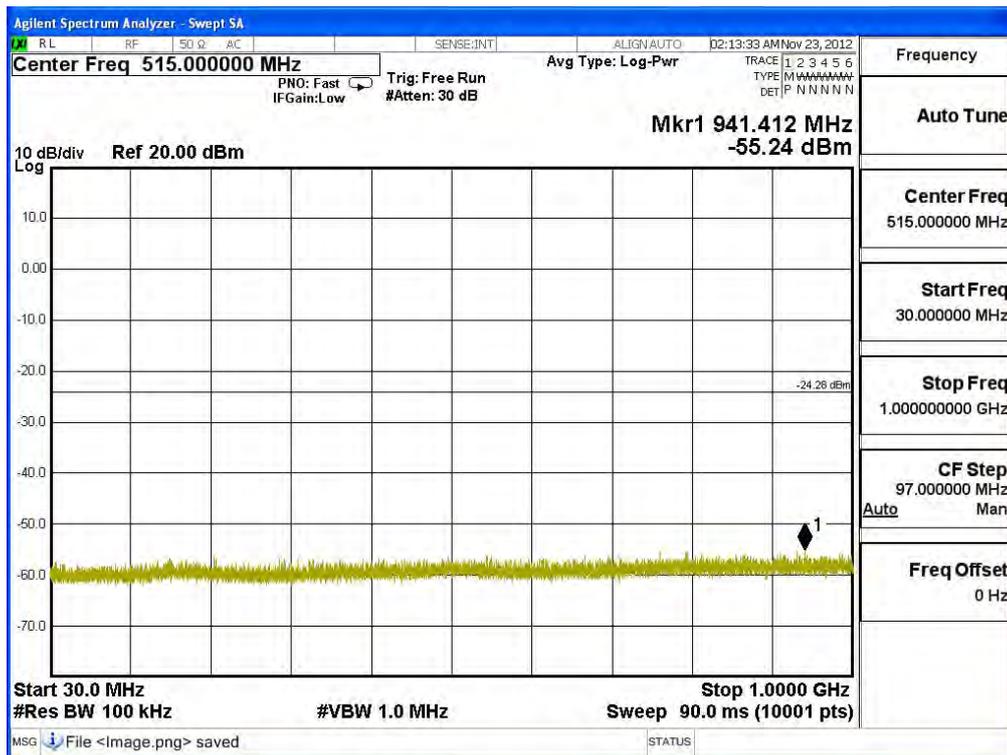


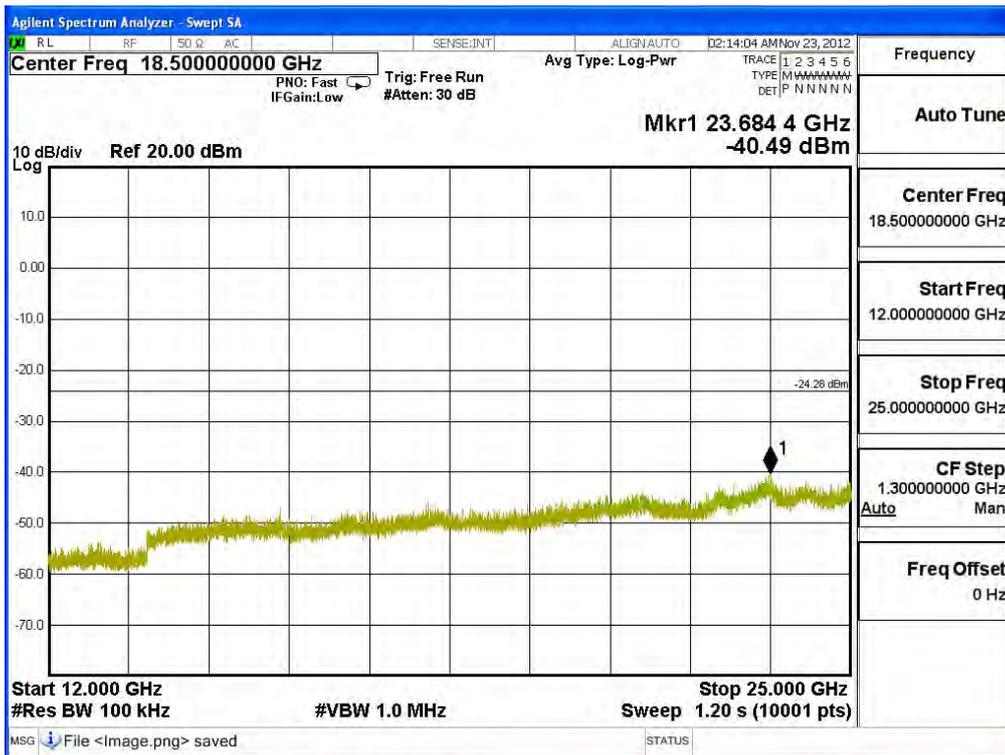
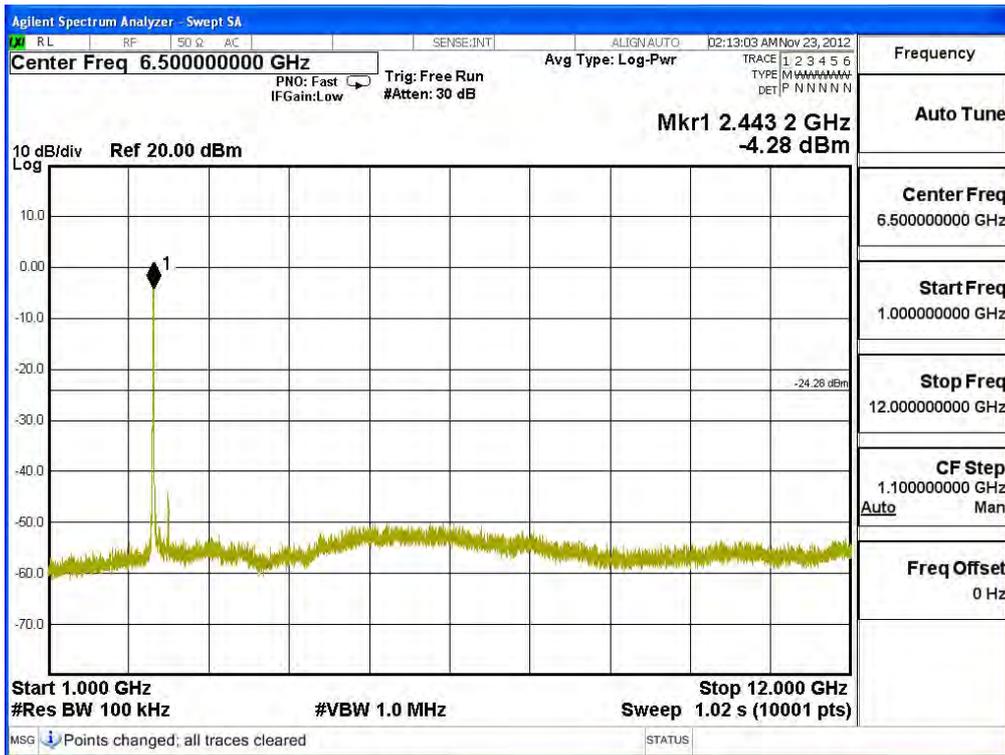
Channel 01 (2412MHz) 30MHz -25GHz-Chain B



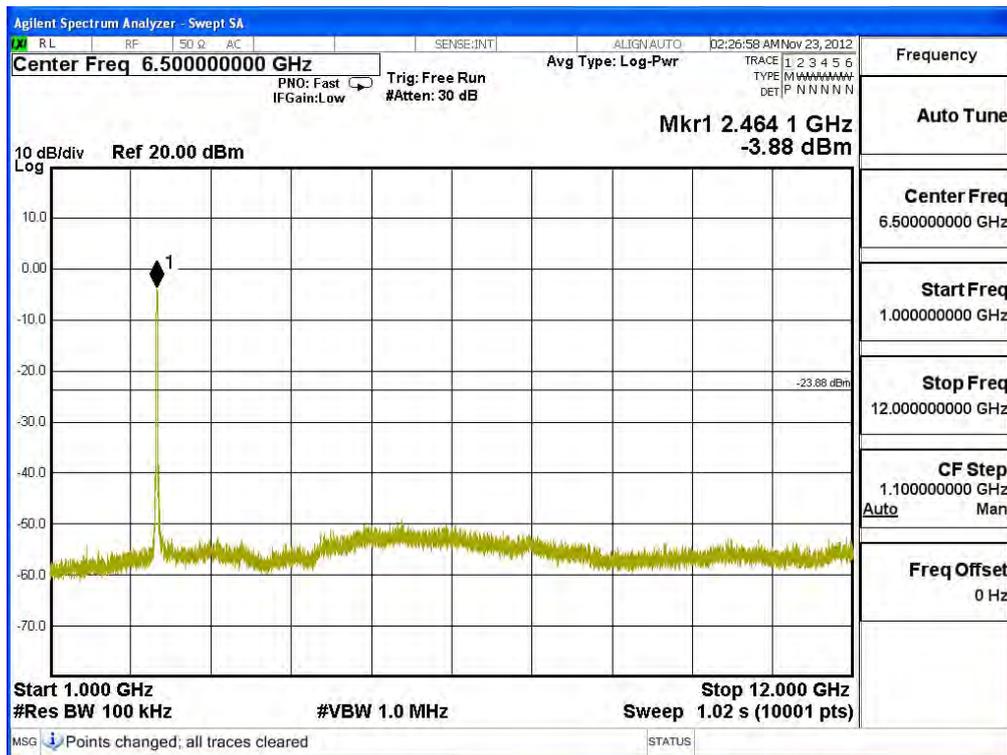
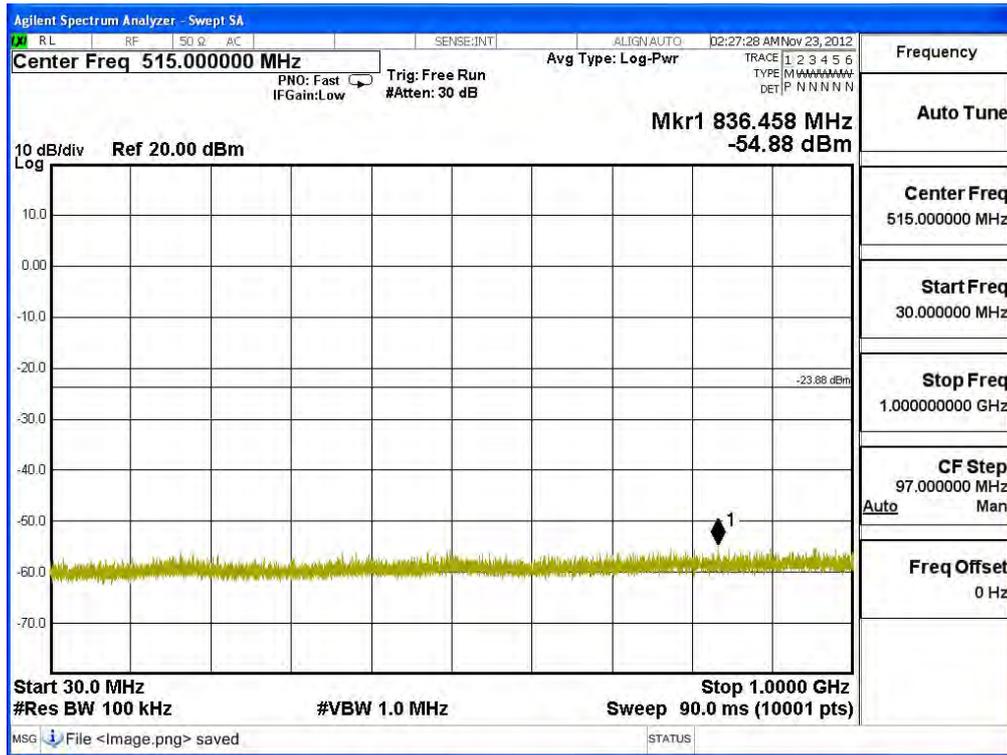


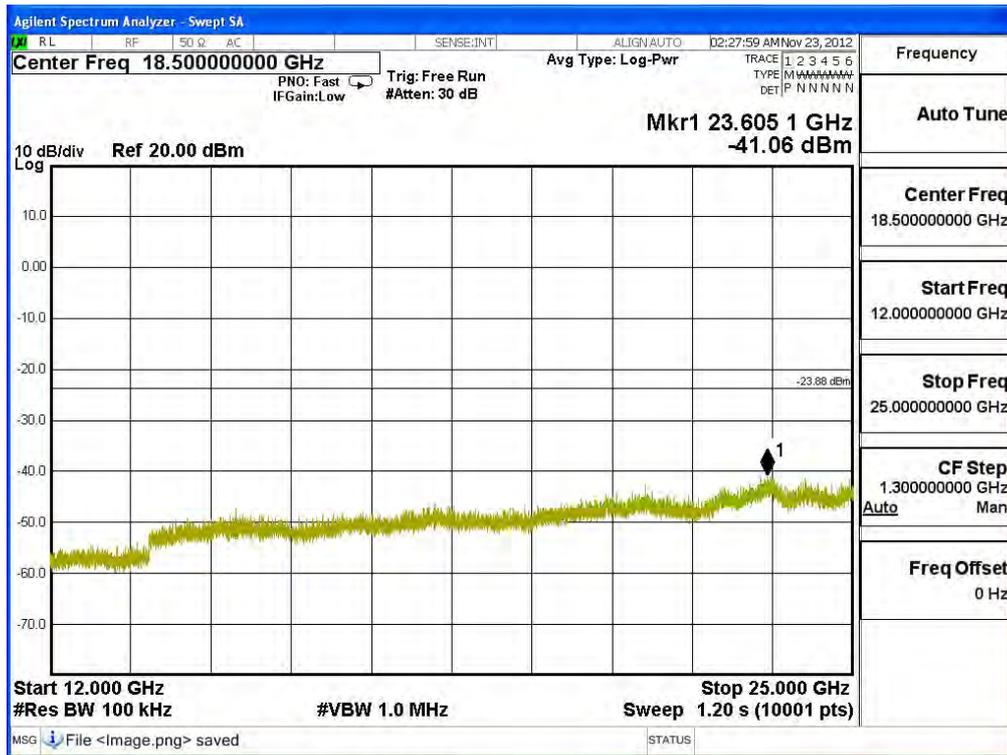
Channel 06 (2437MHz) 30MHz -25GHz-Chain B





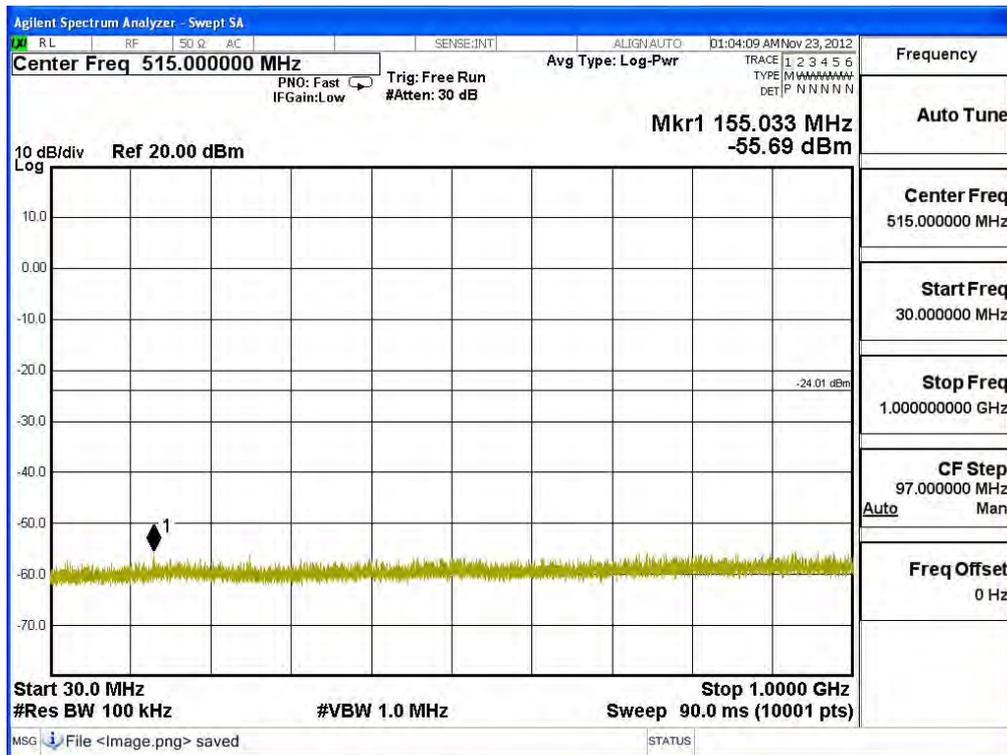
Channel 11 (2462MHz) 30MHz -25GHz-Chain B

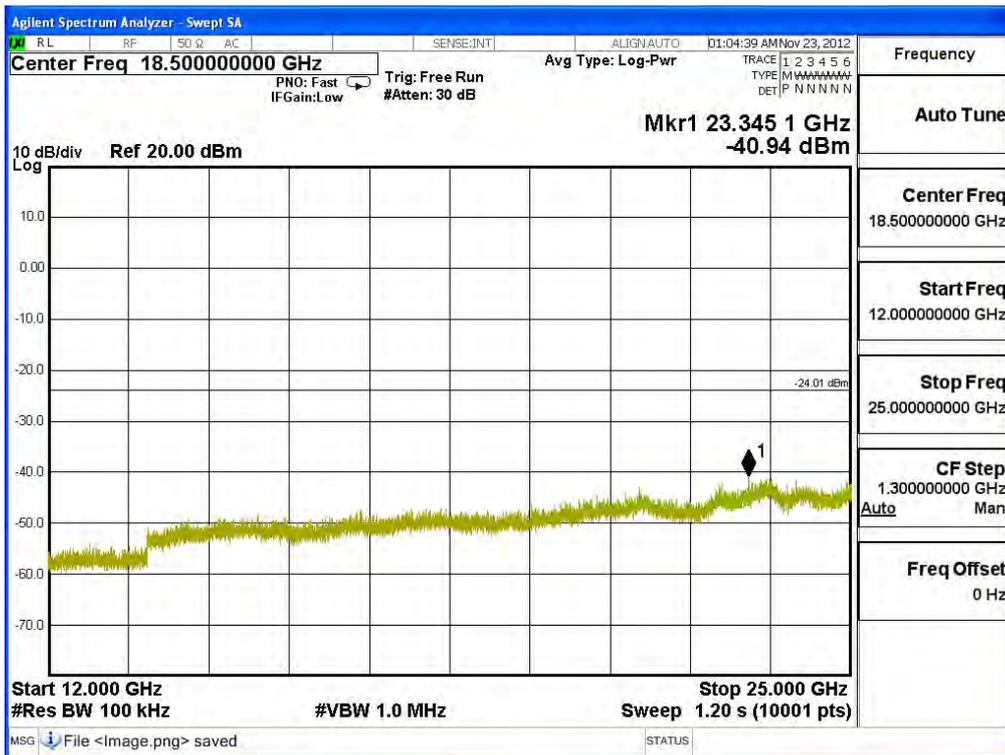
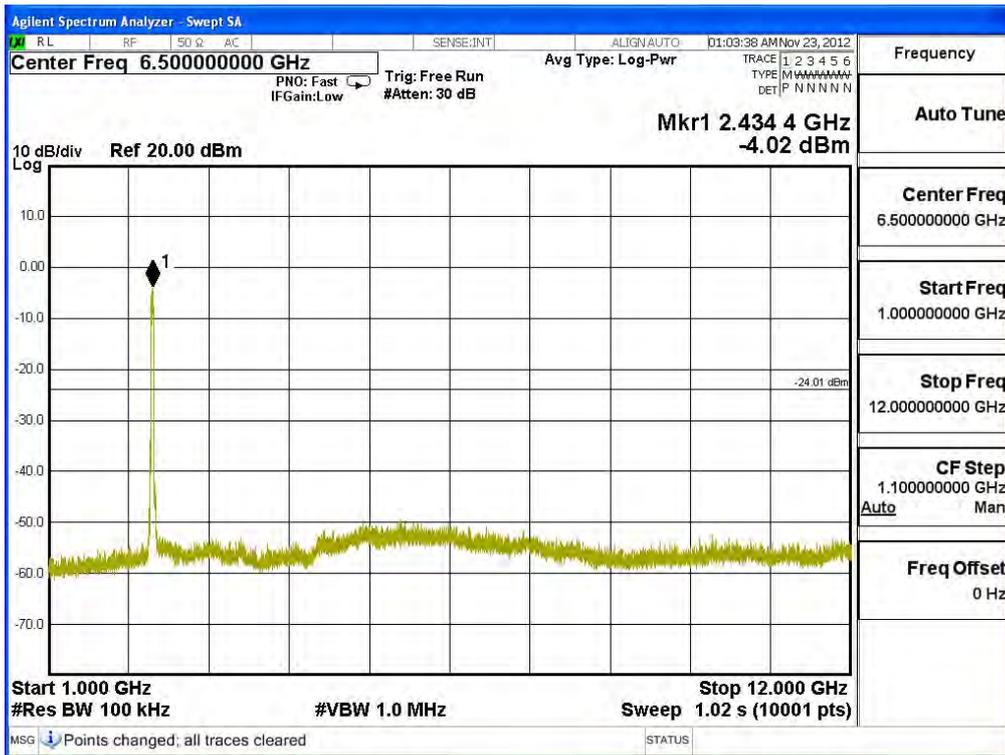




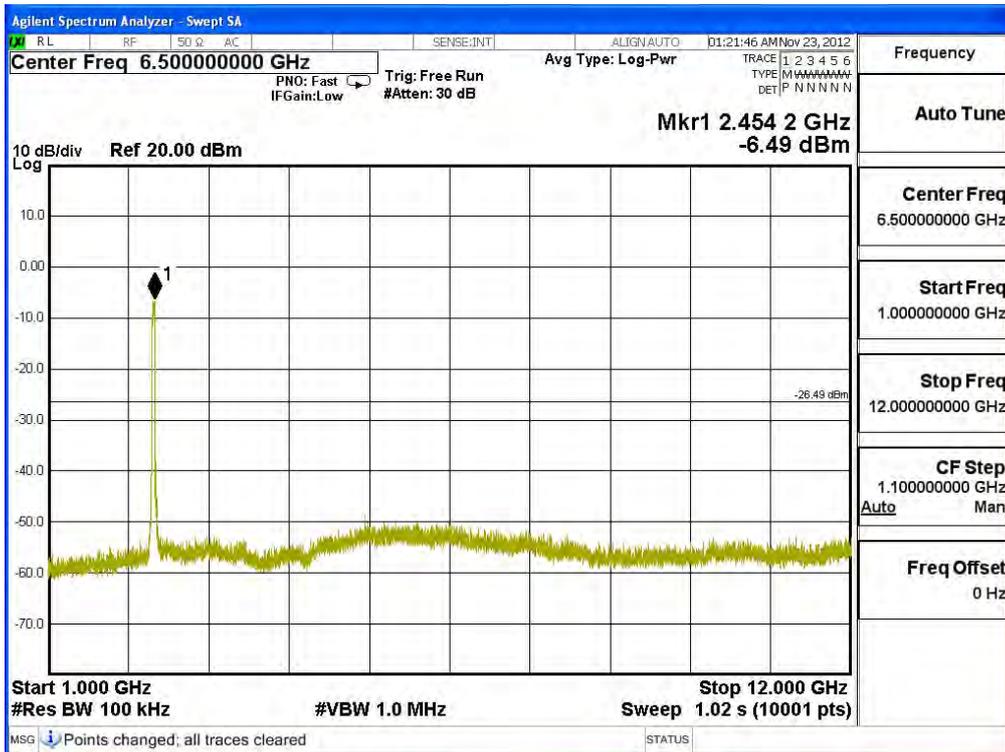
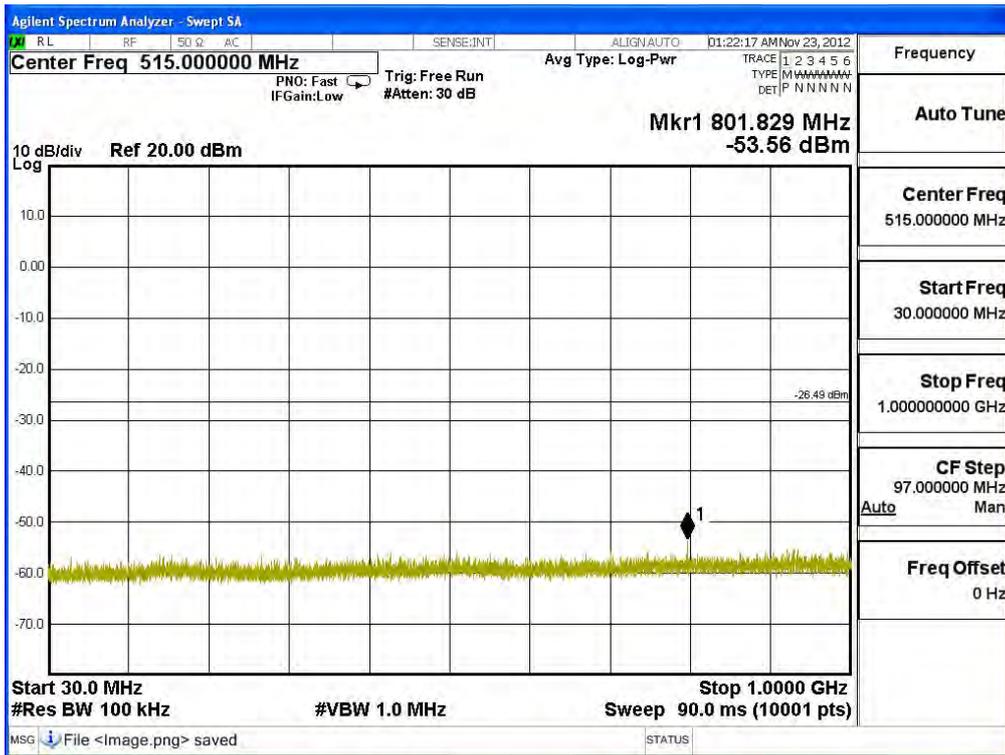
Product : ASUS Tablet
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 5: Transmit - 802.11n-40BW_30Mbps(2.4G Band)

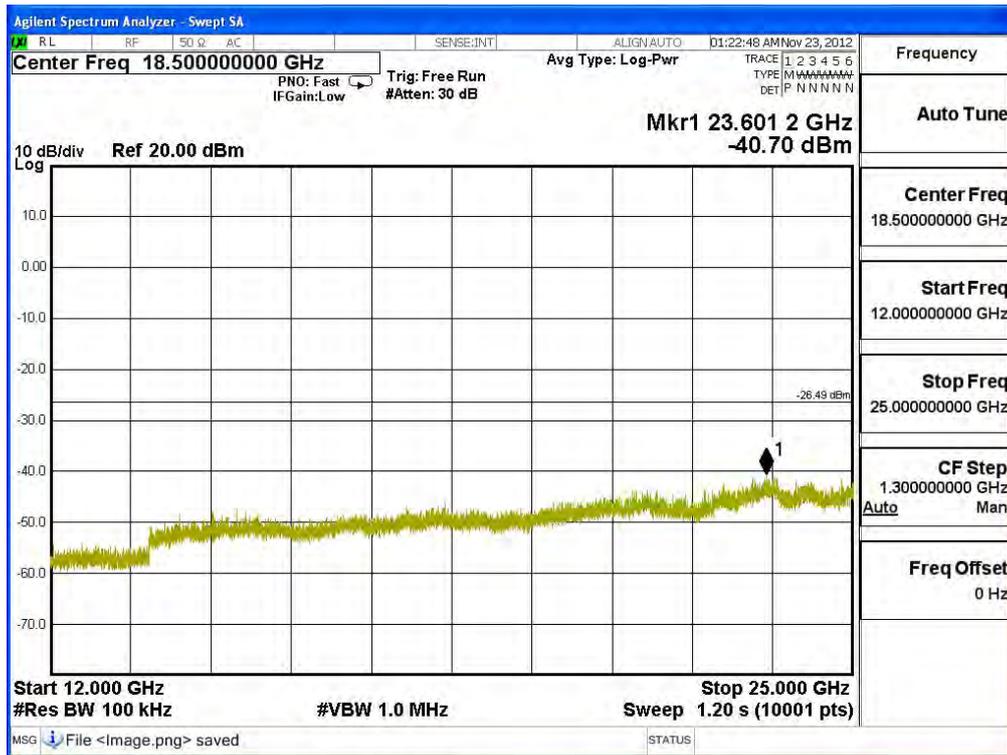
Channel 03 (2422MHz) 30MHz -25GHz-Chain A



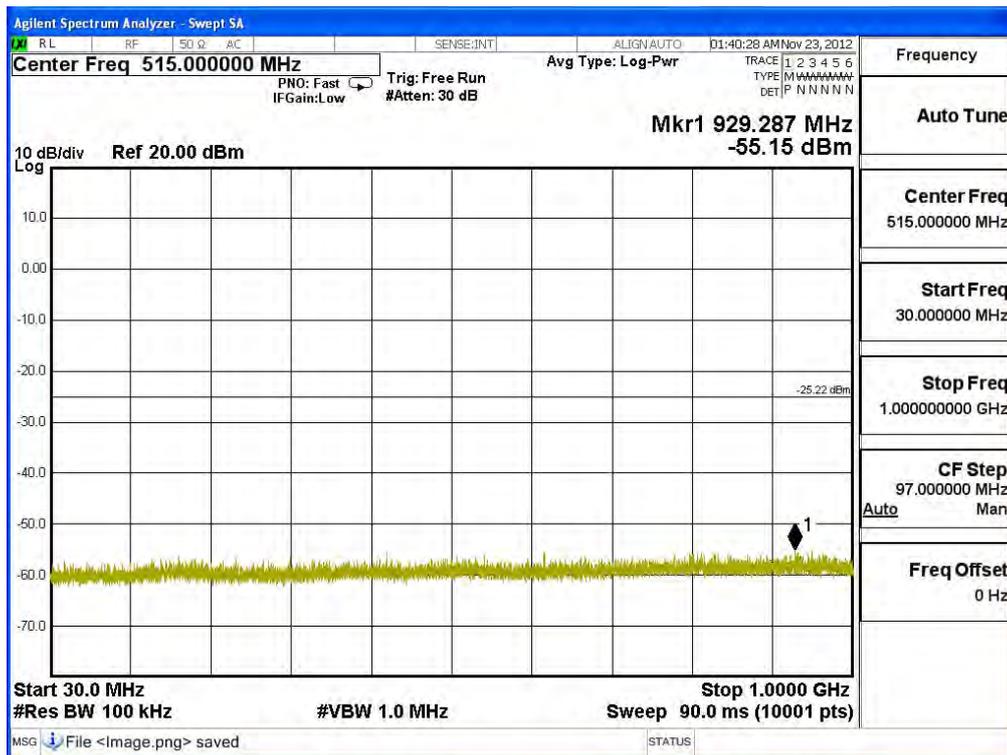


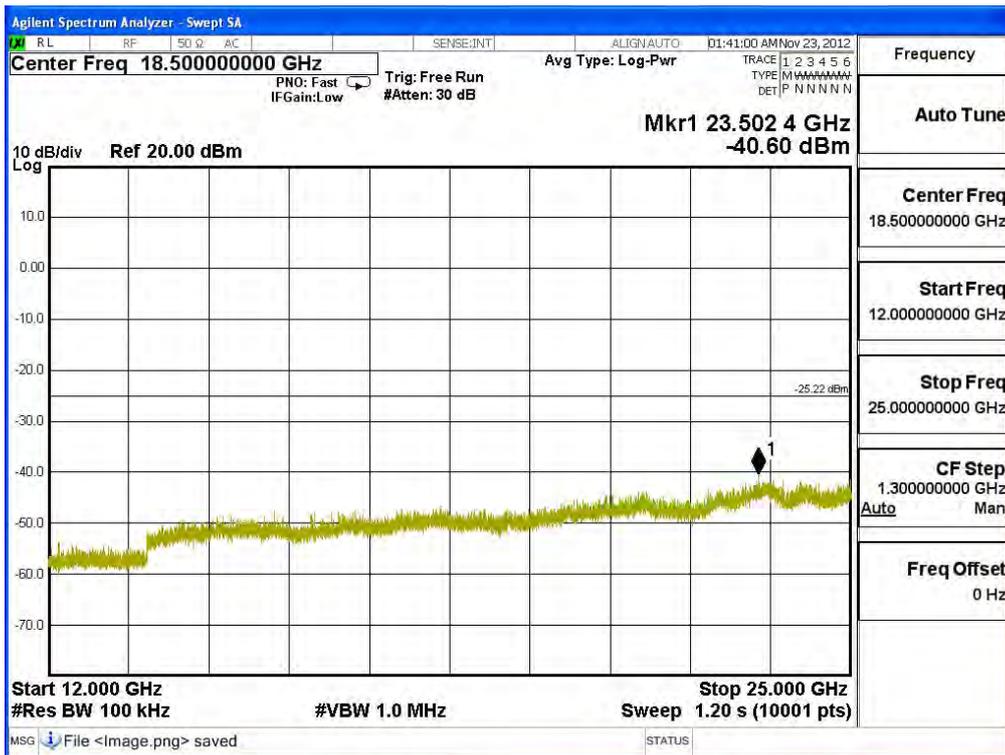
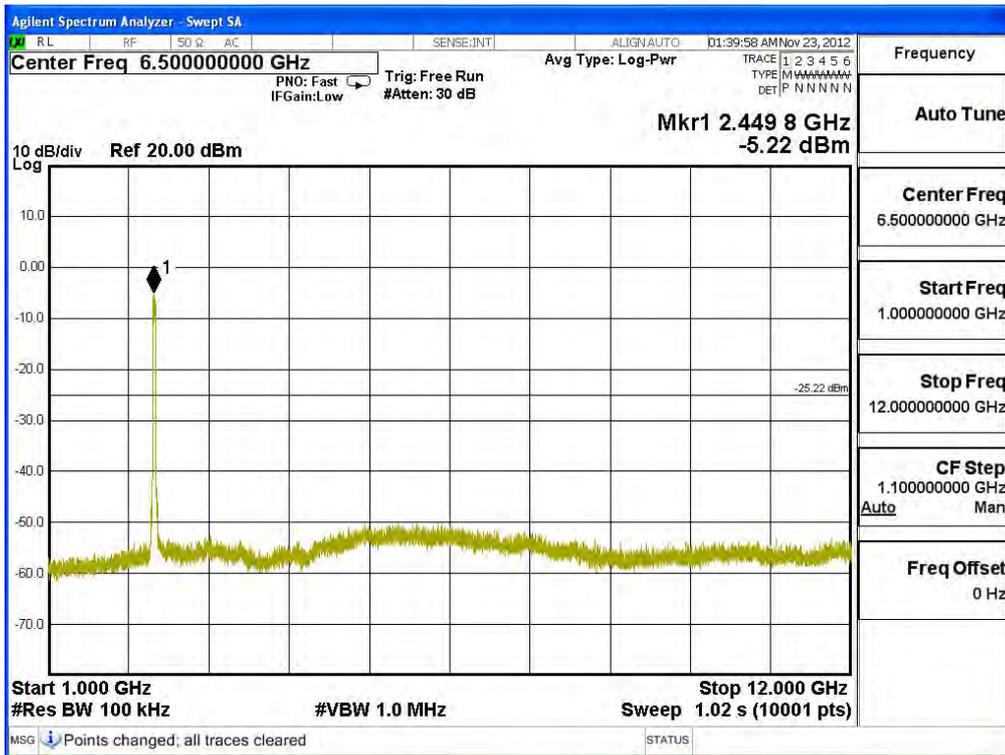
Channel 06 (2437MHz) 30MHz -25GHz-Chain A



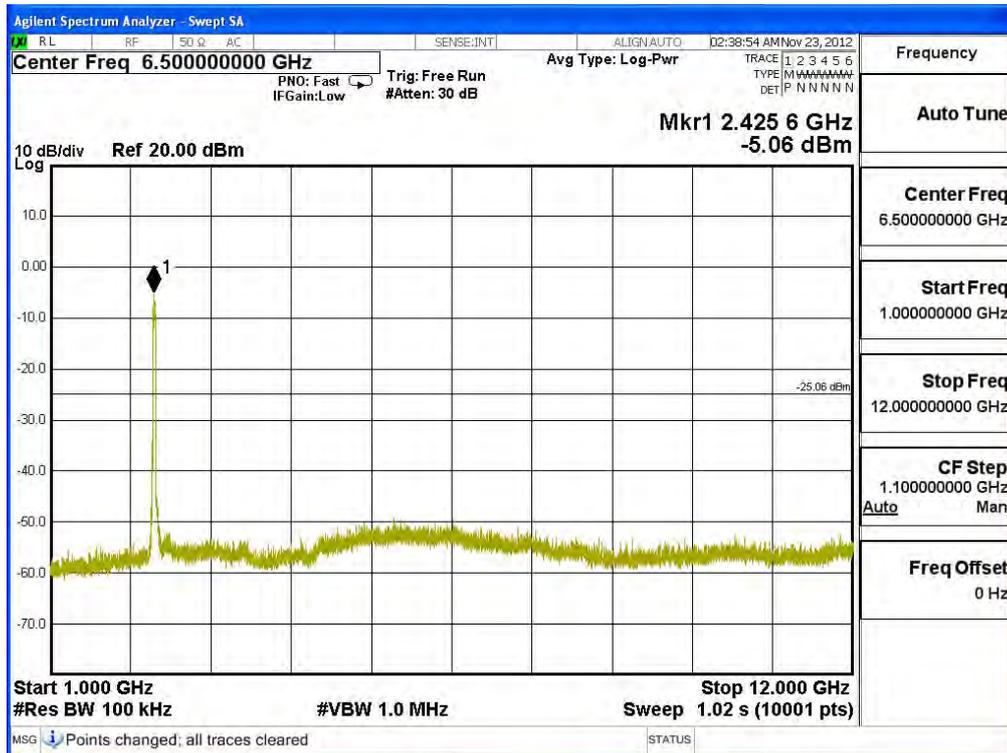
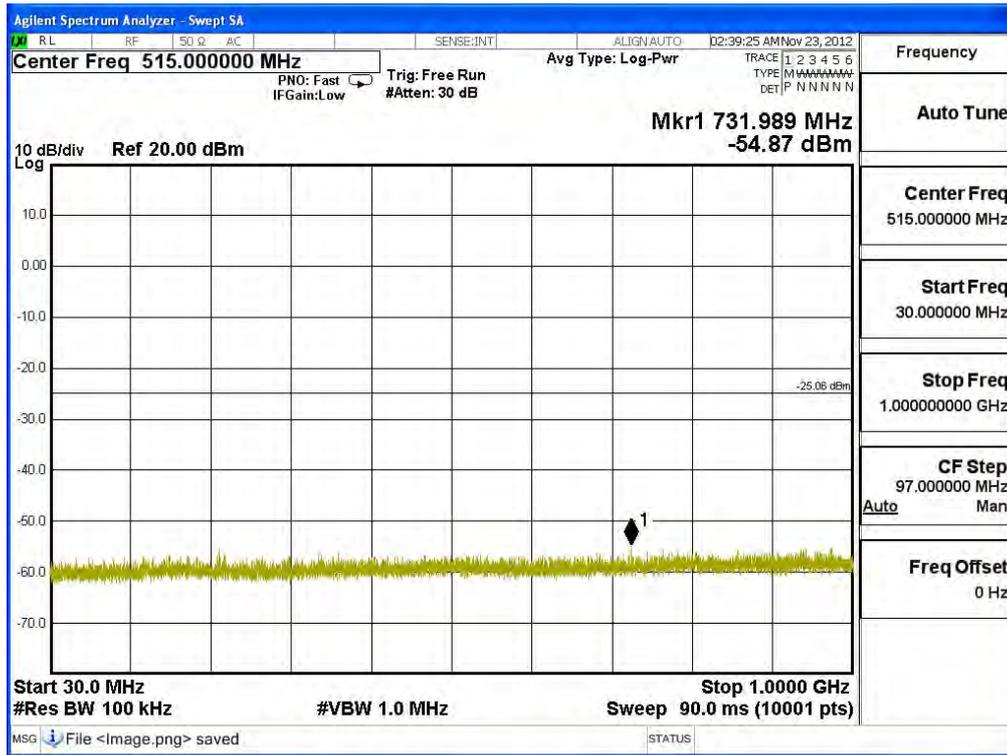


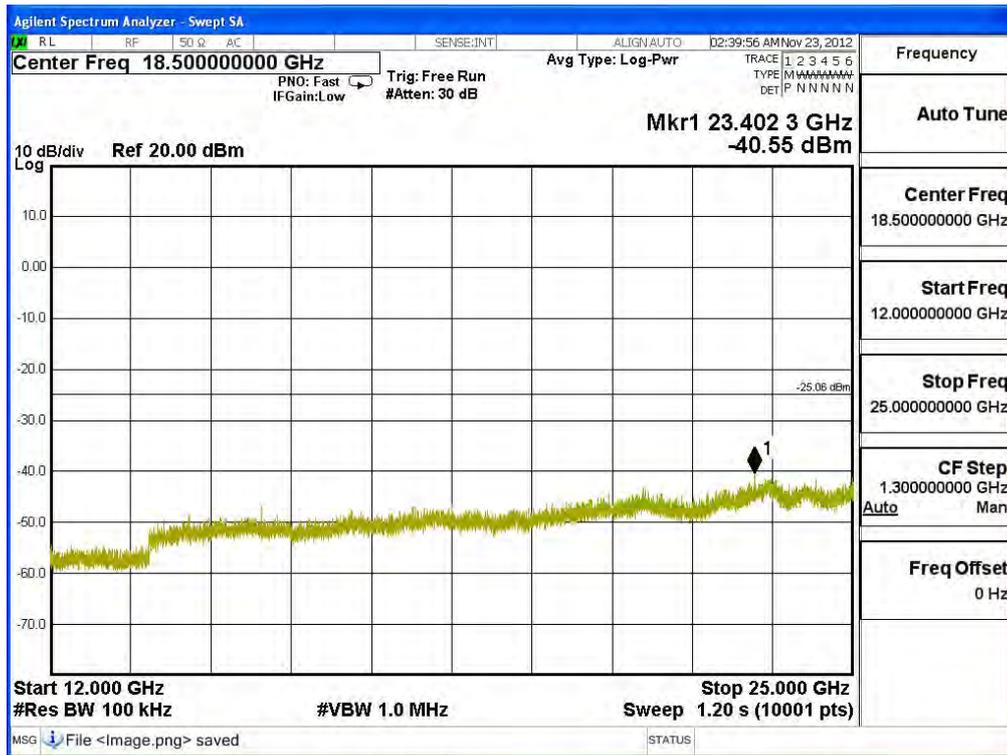
Channel 09 (2452MHz) 30MHz -25GHz-Chain A



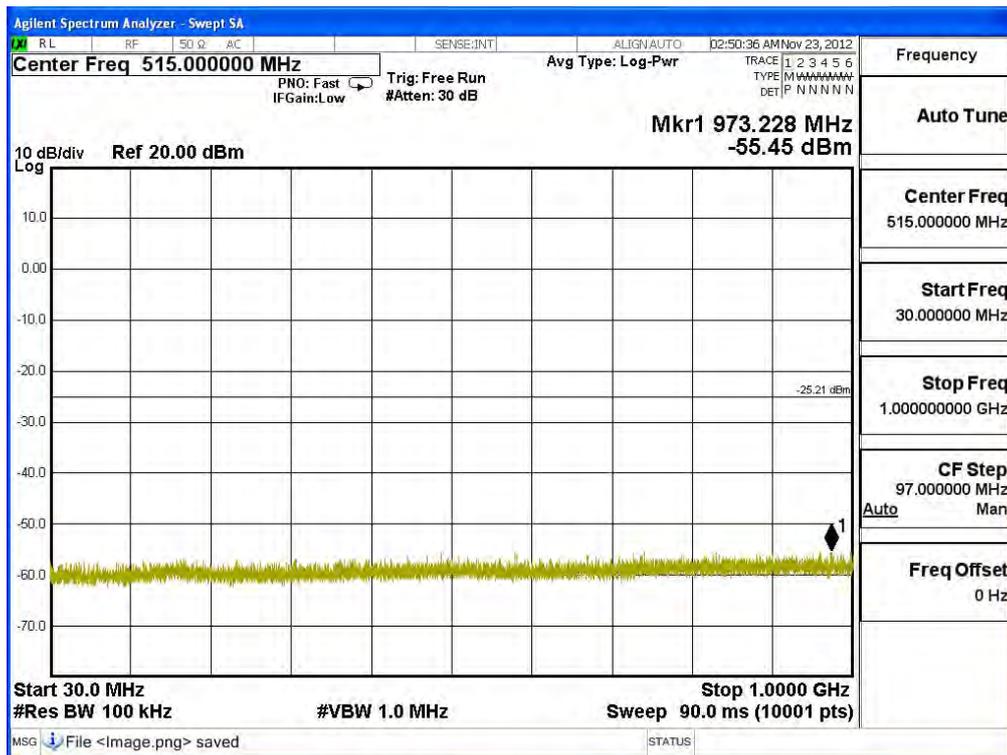


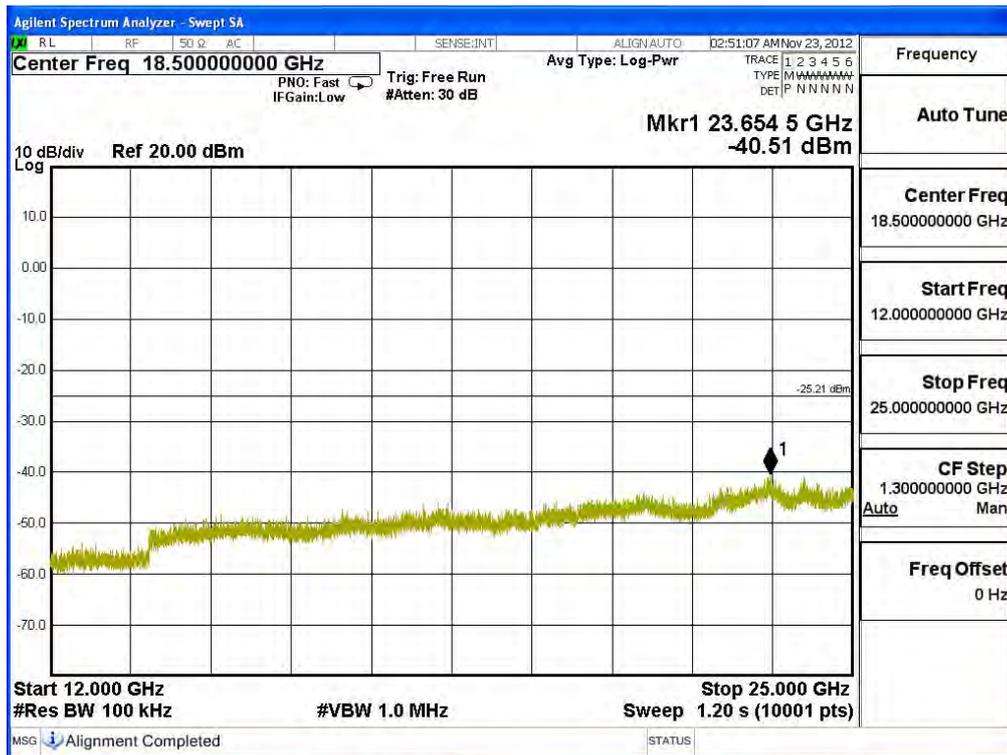
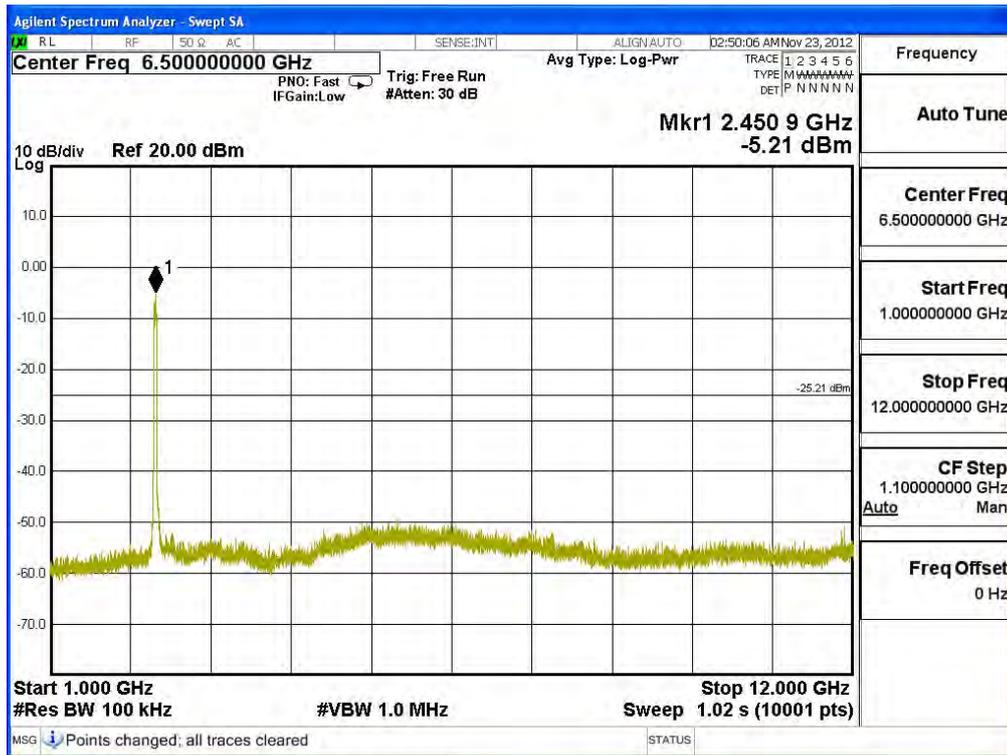
Channel 03 (2422MHz) 30MHz -25GHz-Chain B



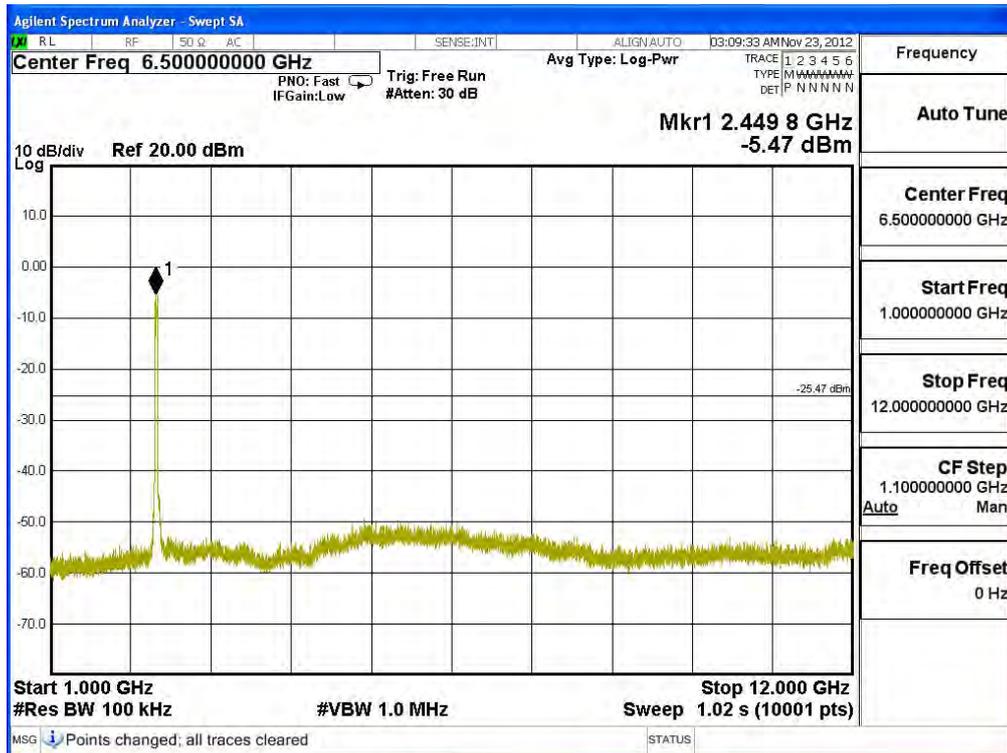
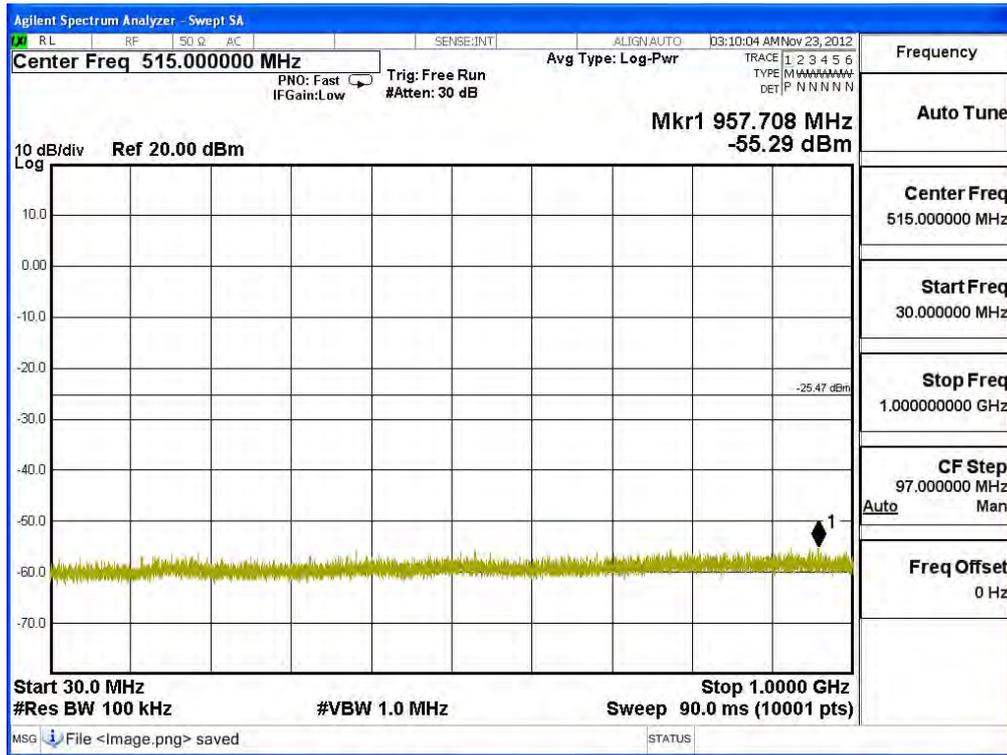


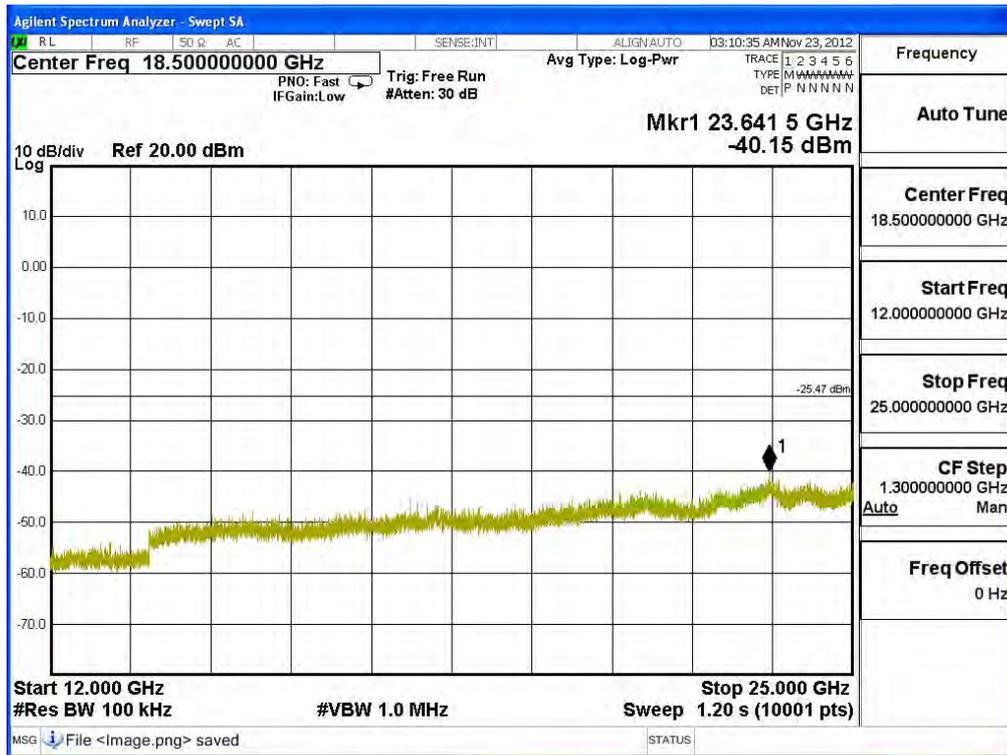
Channel 06 (2437MHz) 30MHz -25GHz-Chain B





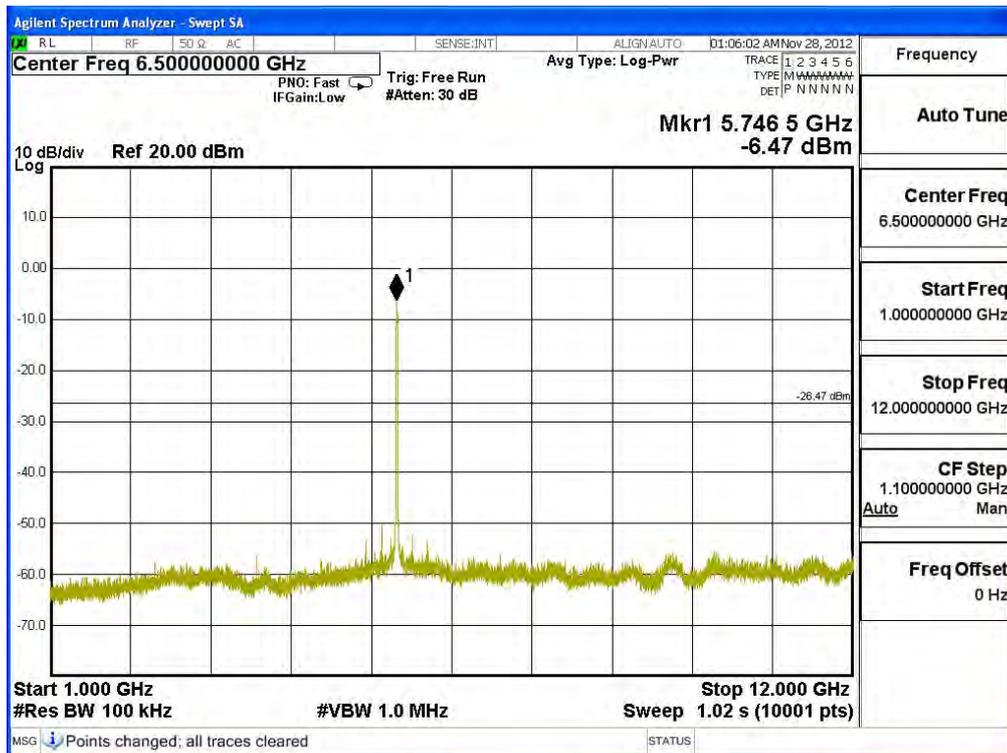
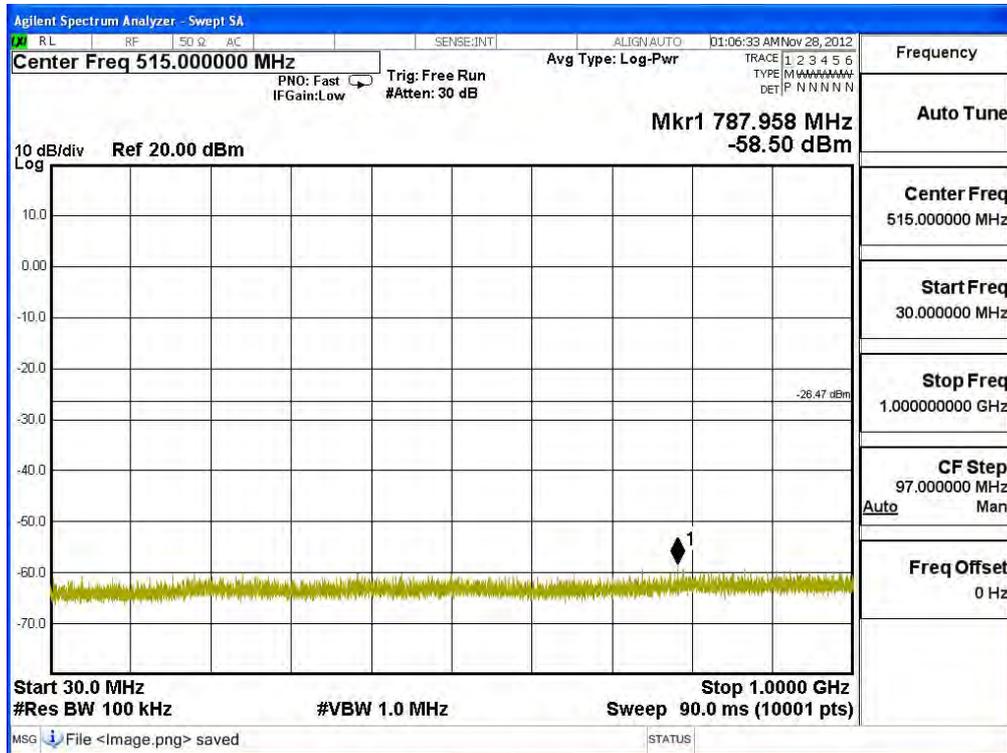
Channel 09 (2452MHz) 30MHz -25GHz-Chain B

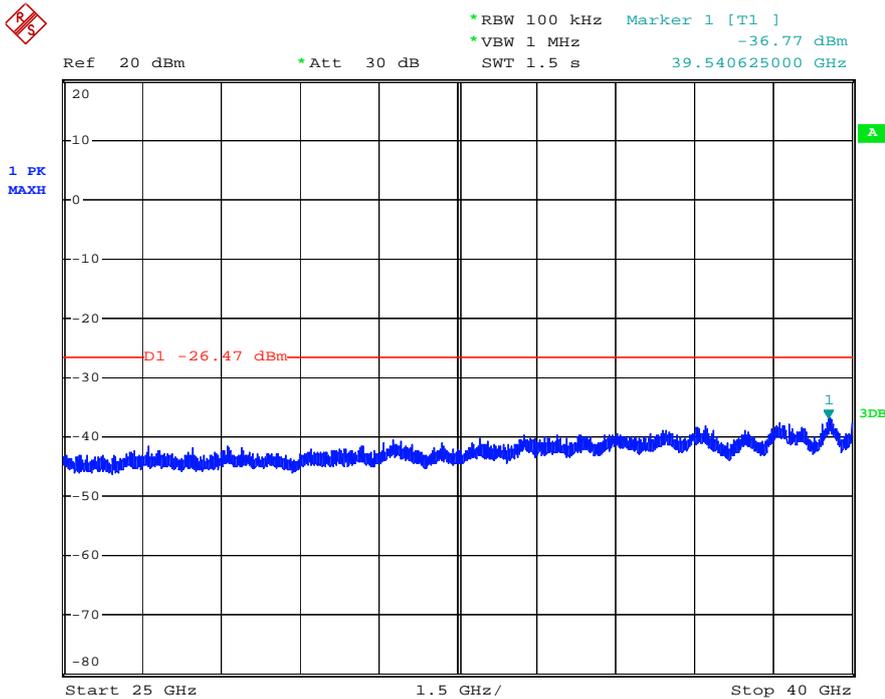




Product : ASUS Tablet
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 6: Transmit - 802.11n-20BW_14.4Mbps(5G Band)

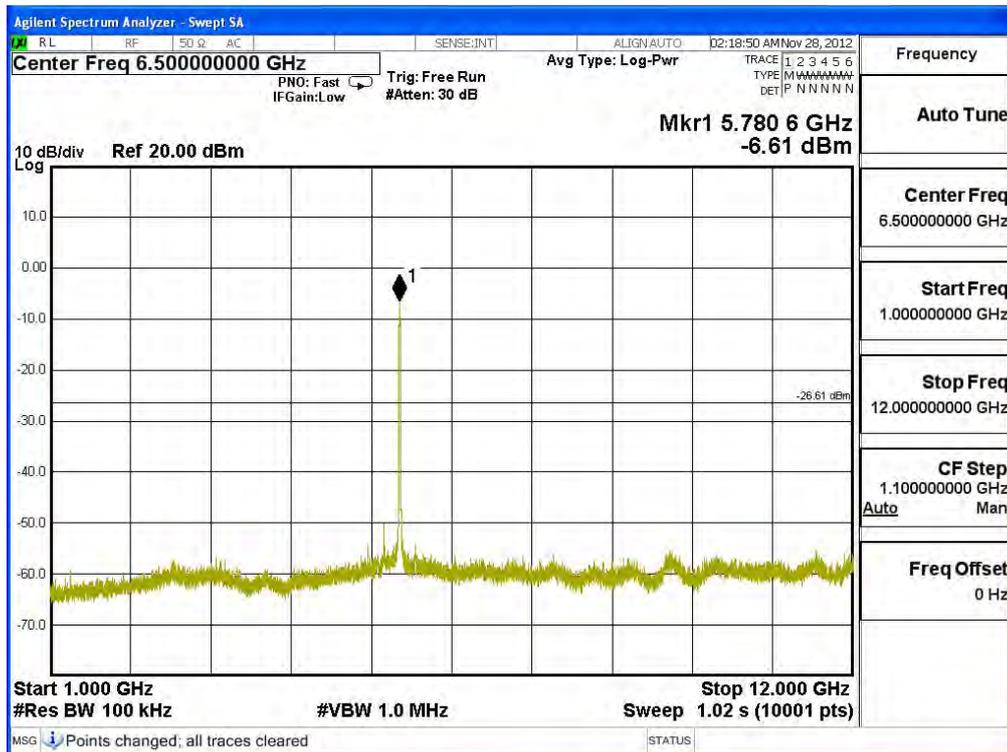
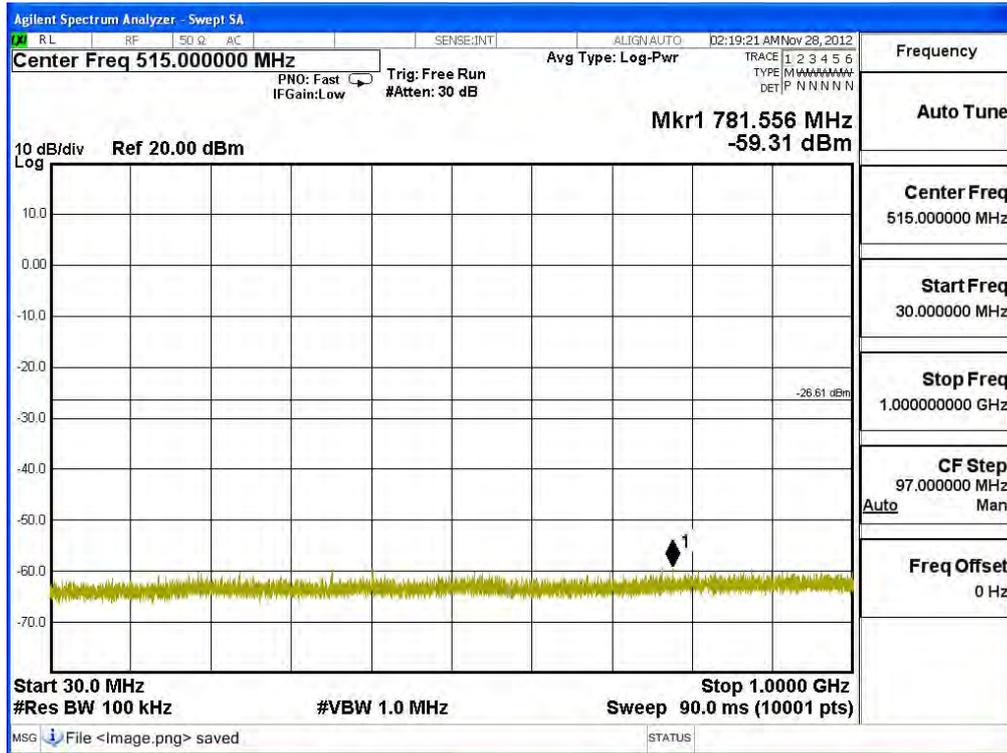
Channel 149 (5745MHz) 30MHz -40GHz-Chain A

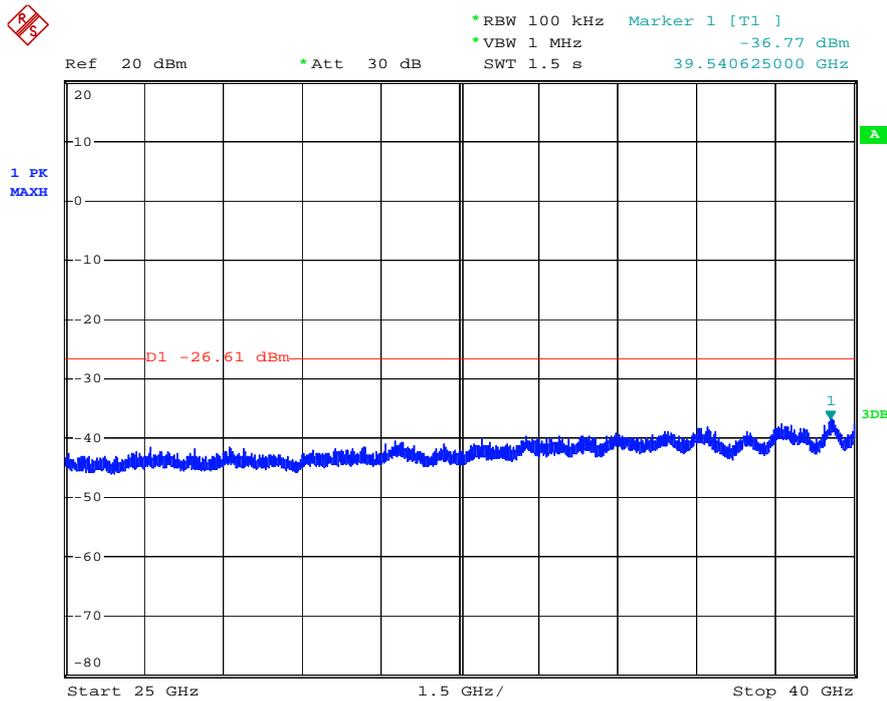
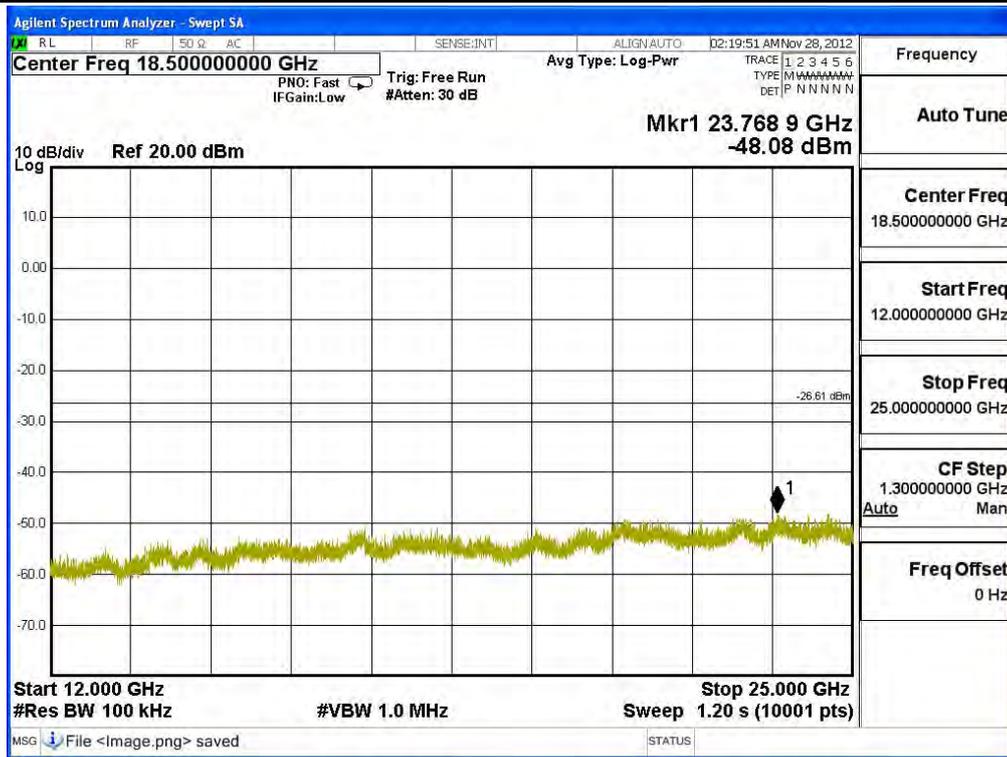




Date: 30.NOV.2012 16:32:25

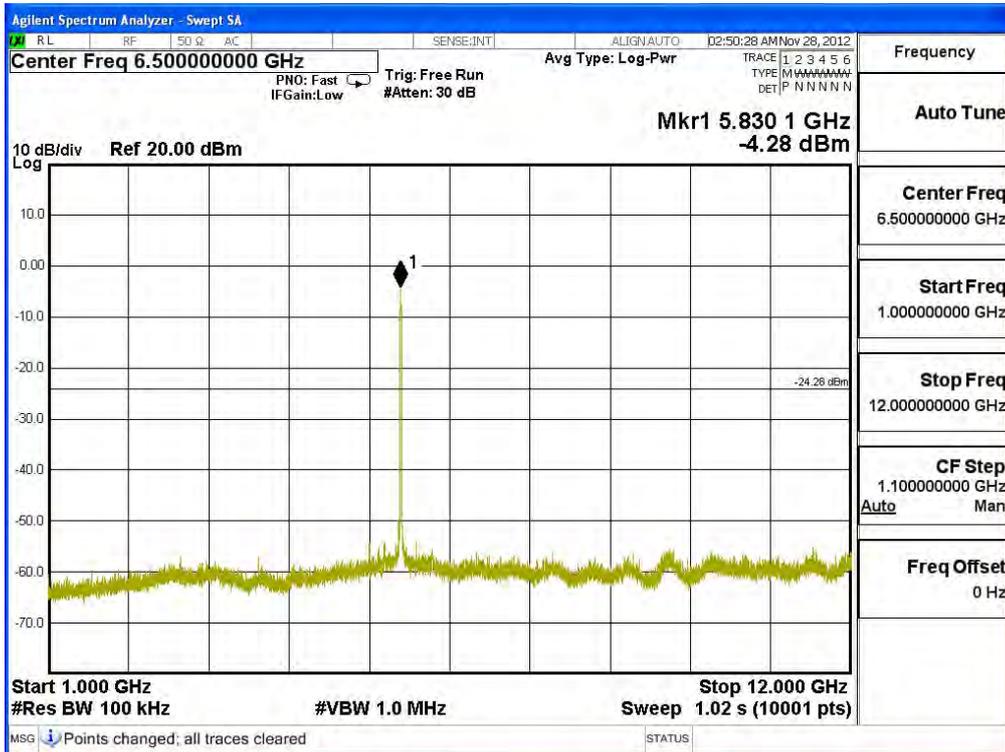
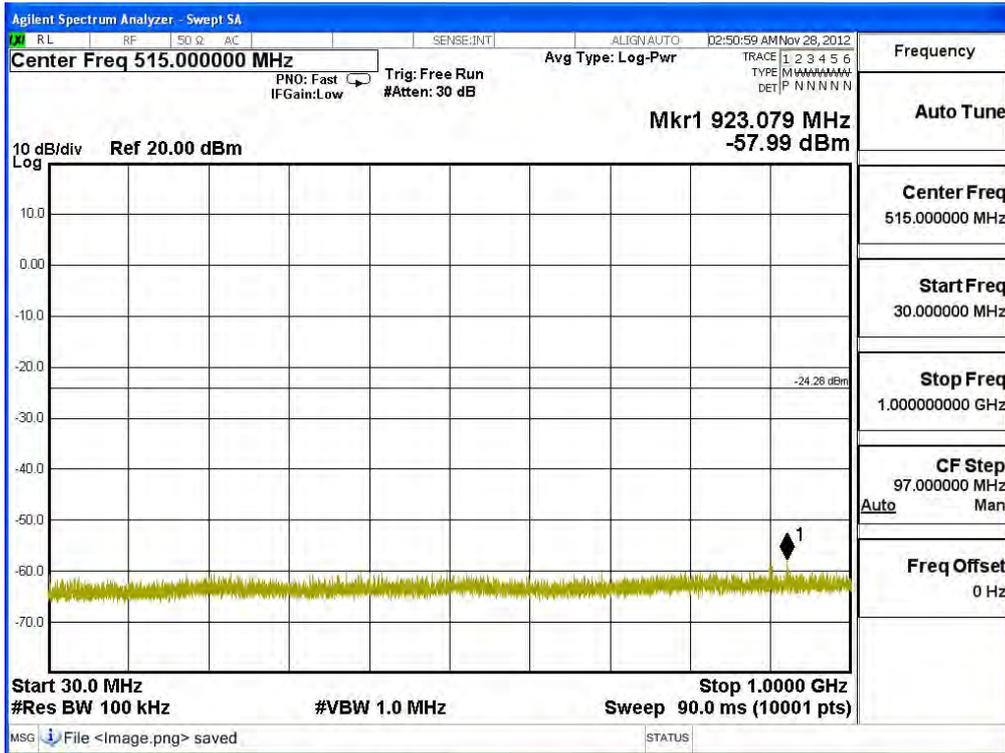
Channel 157 (5785MHz) 30MHz -40GHz-Chain A

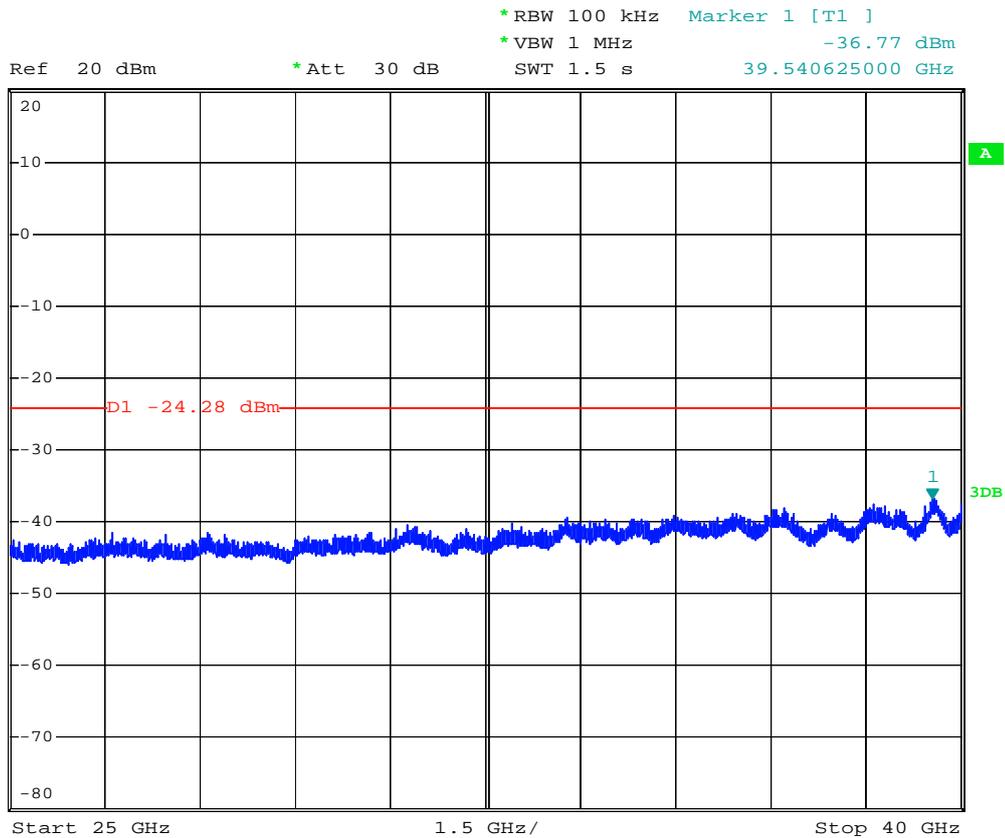
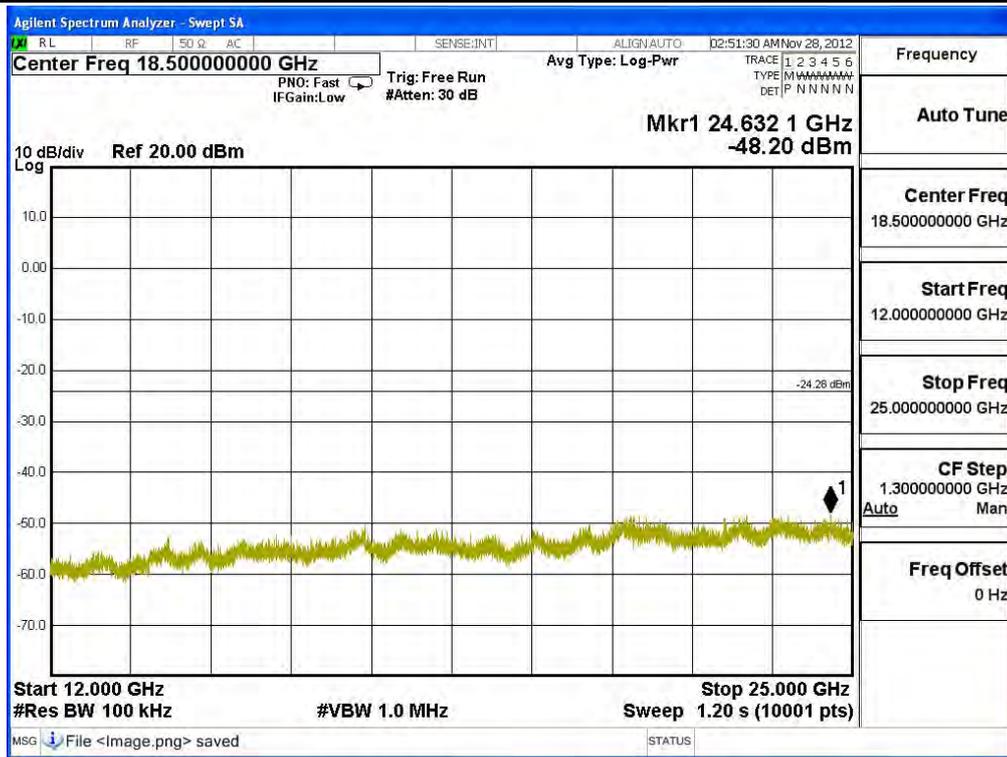




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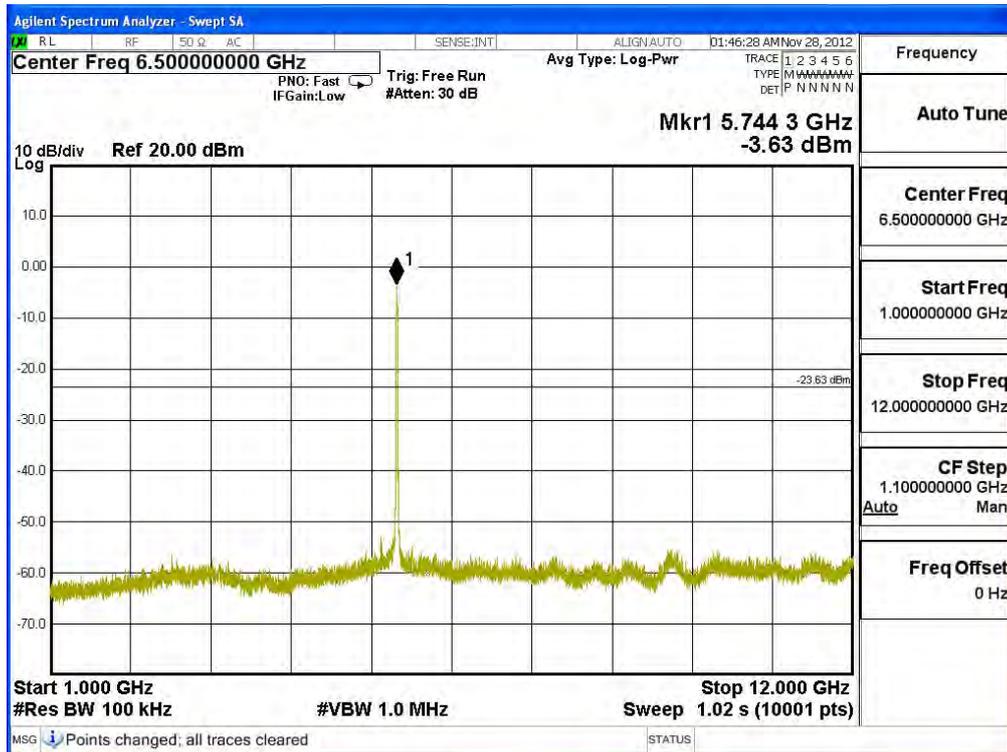
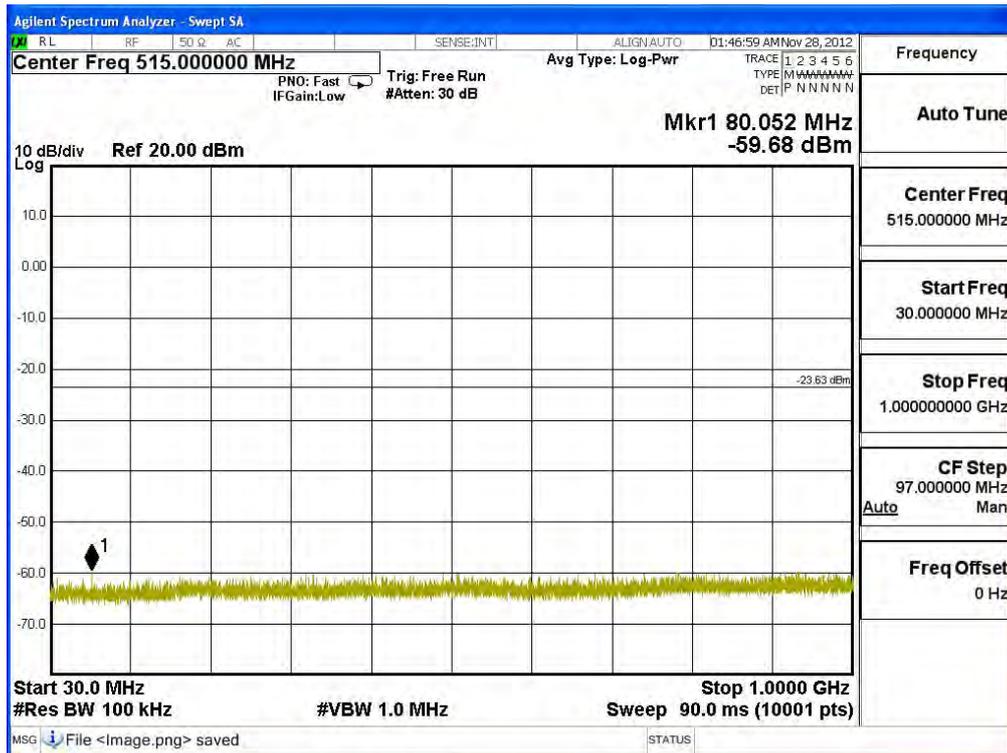
Channel 165 (5825MHz) 30MHz -40GHz-Chain A

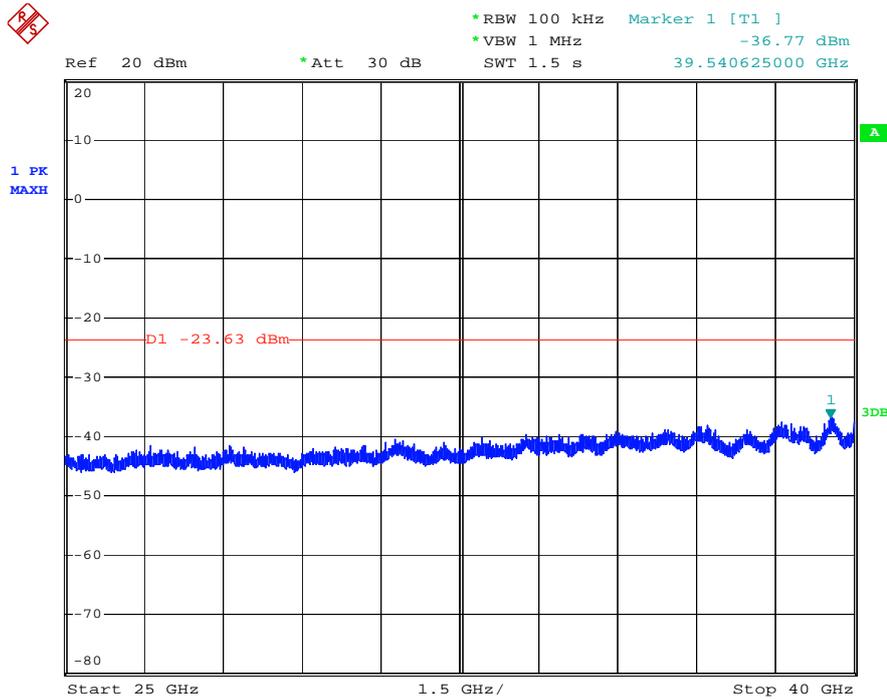
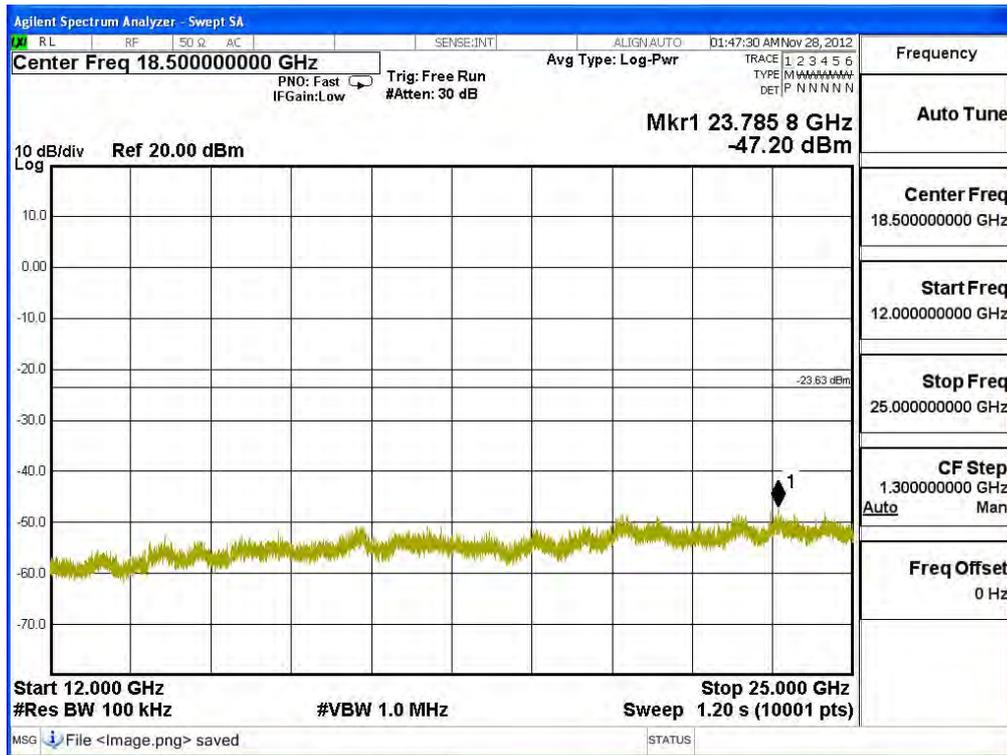




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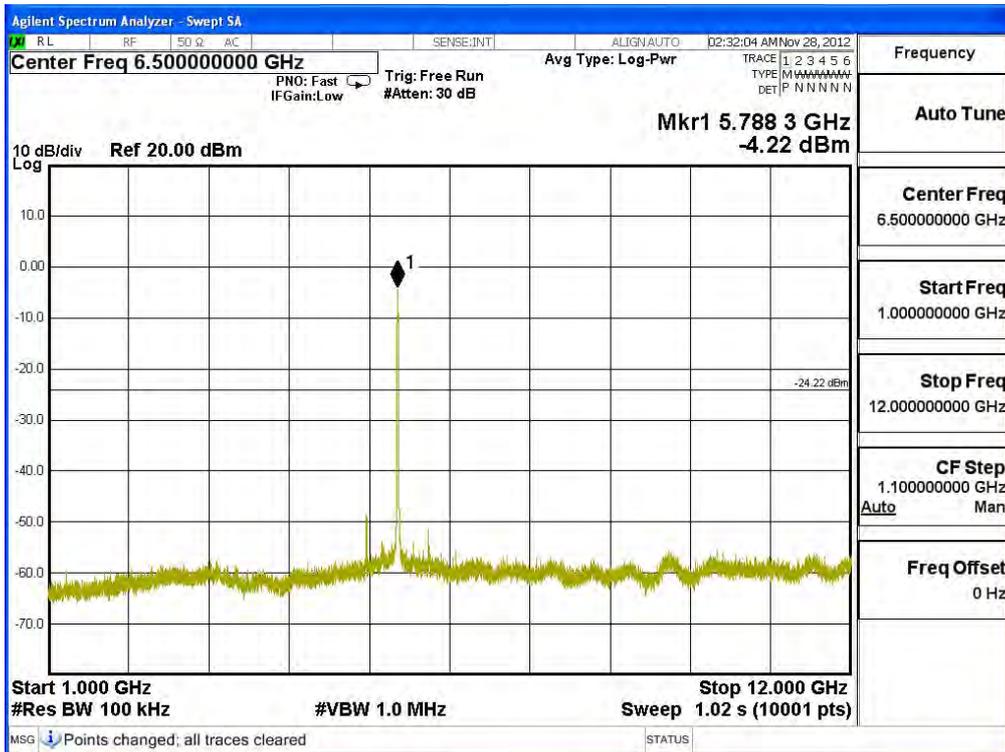
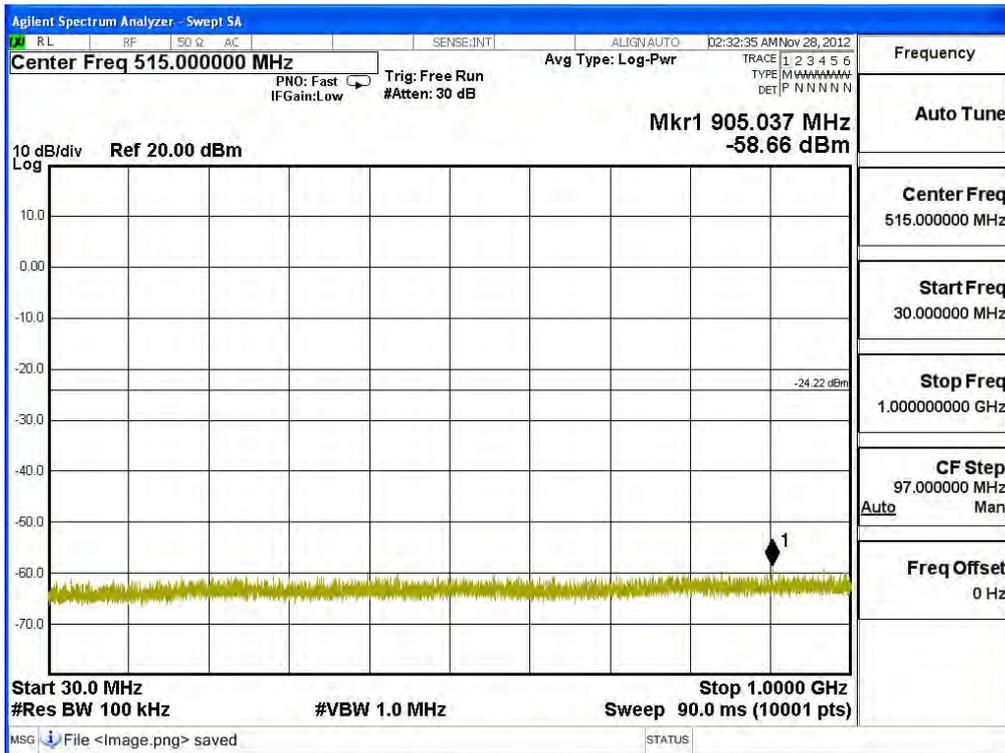
Channel 149 (5745MHz) 30MHz -40GHz-Chain B

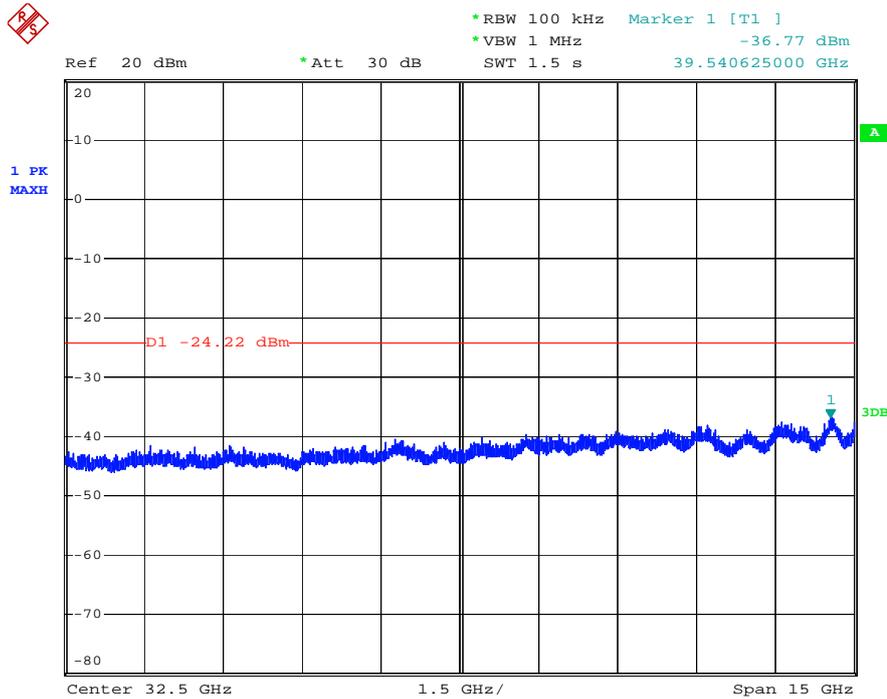
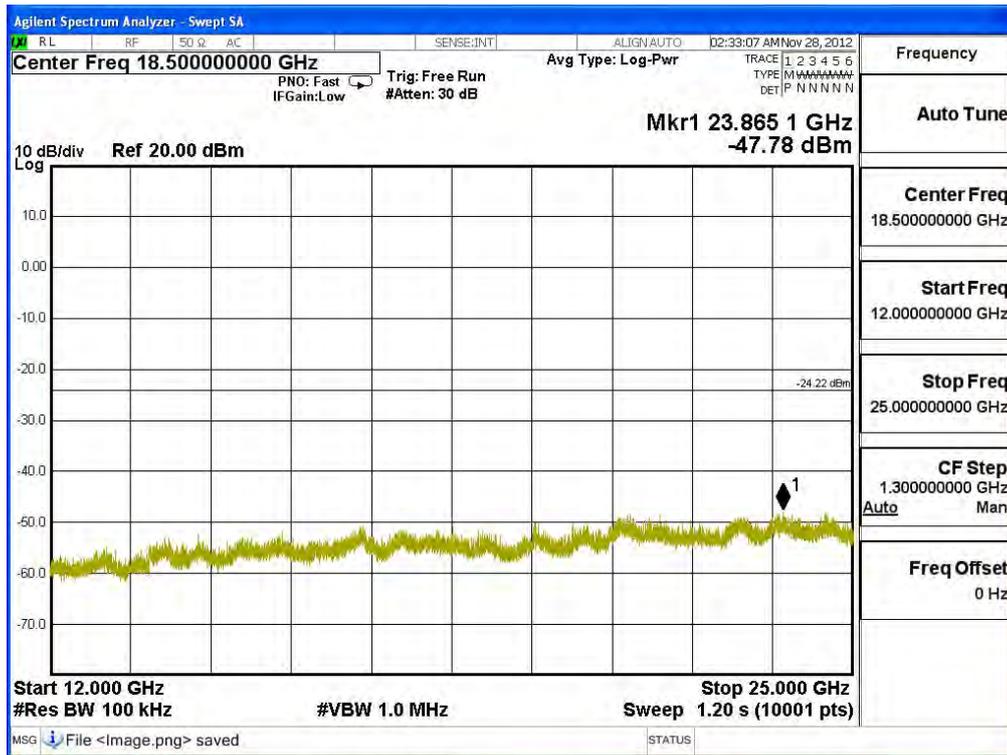




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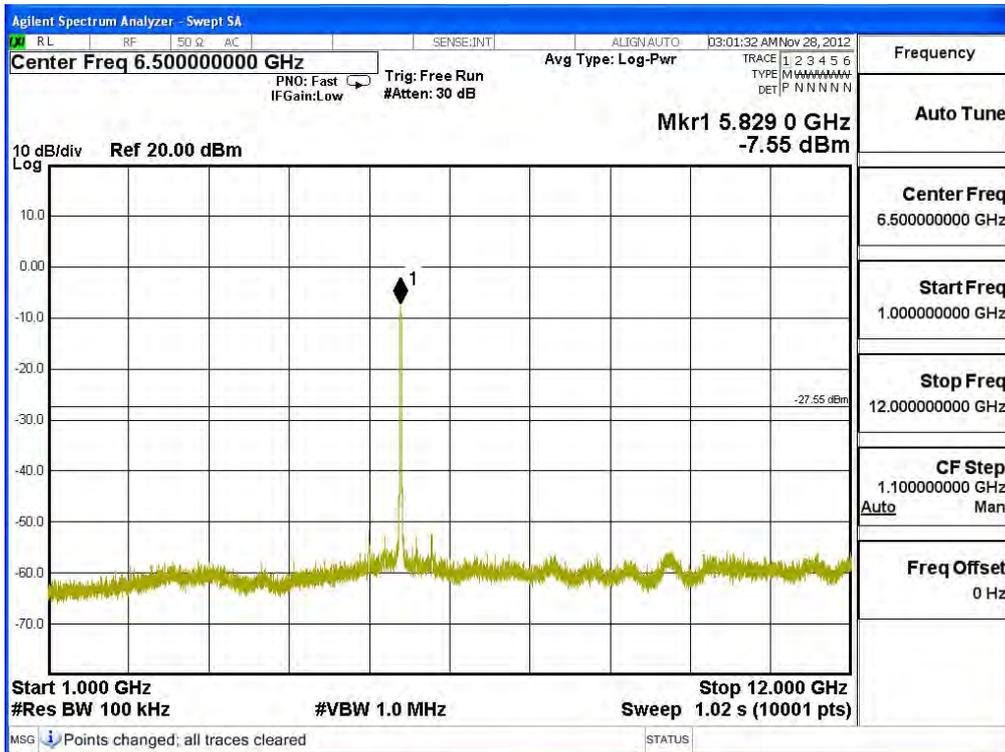
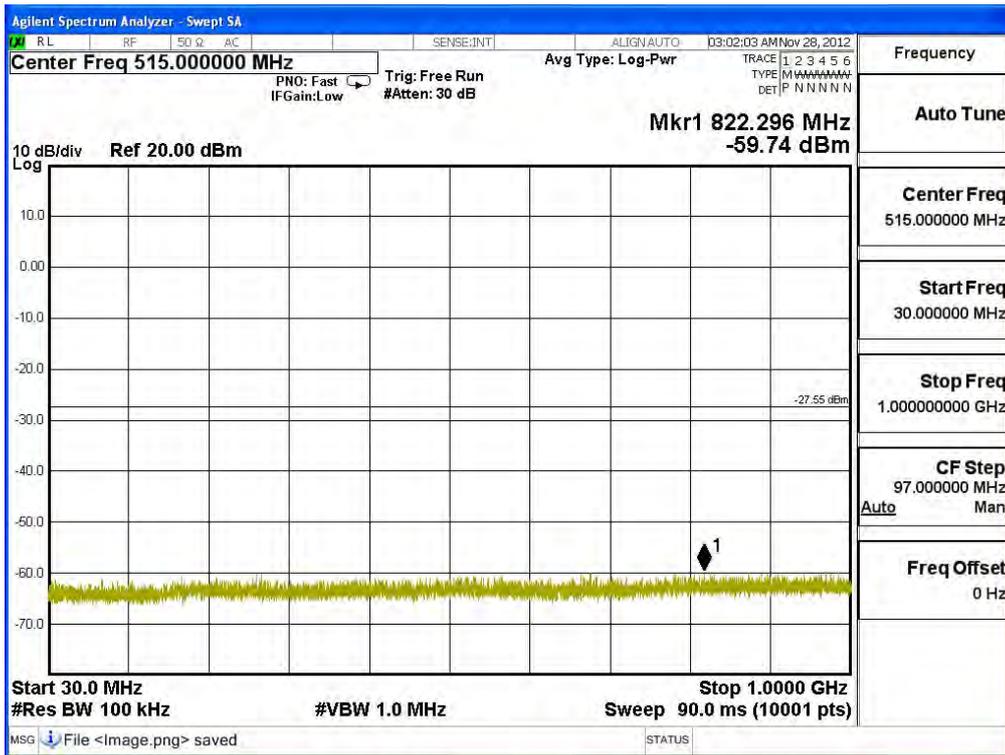
Channel 157 (5785MHz) 30MHz -40GHz-Chain B

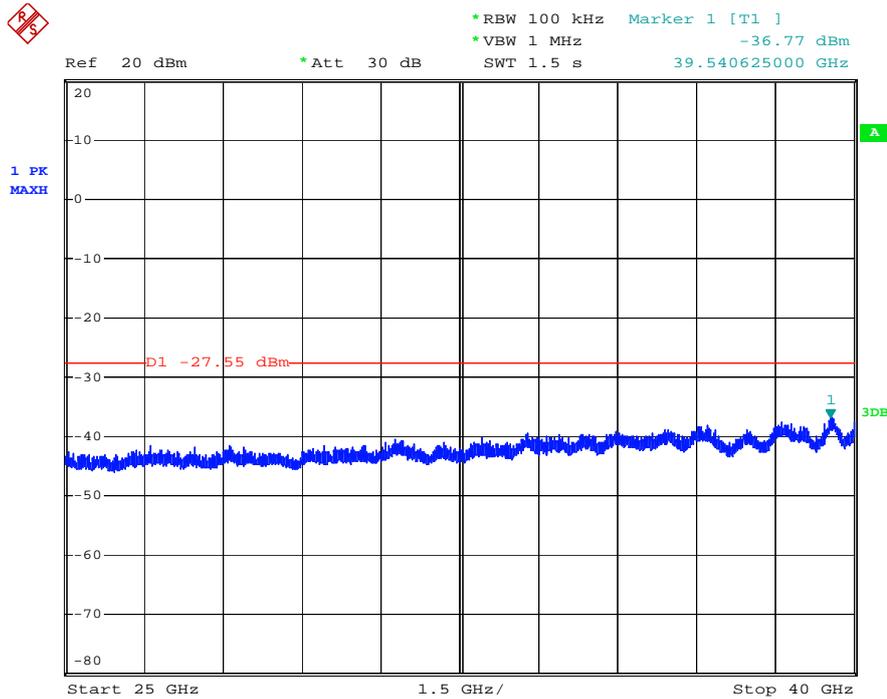
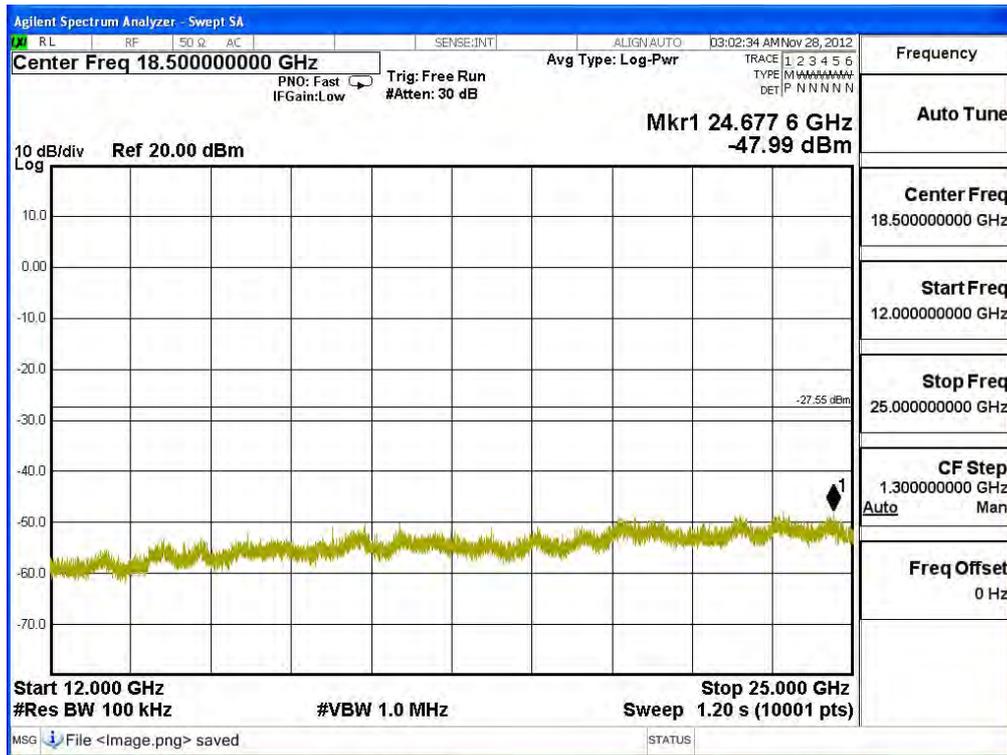




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Channel 165 (5825MHz) 30MHz -40GHz-Chain B

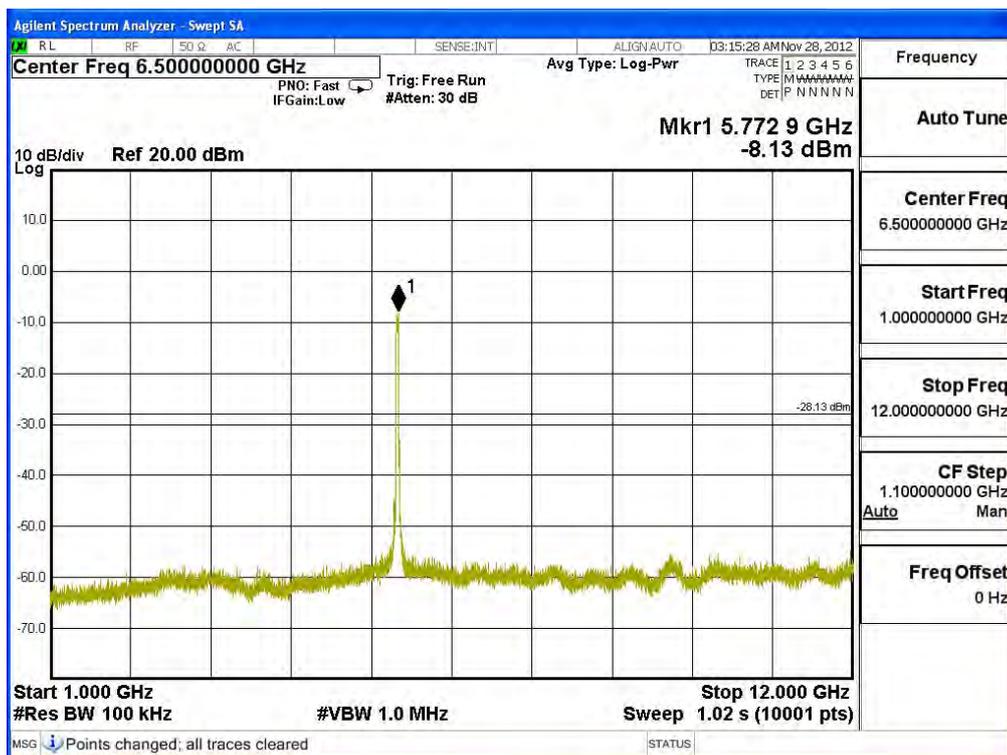
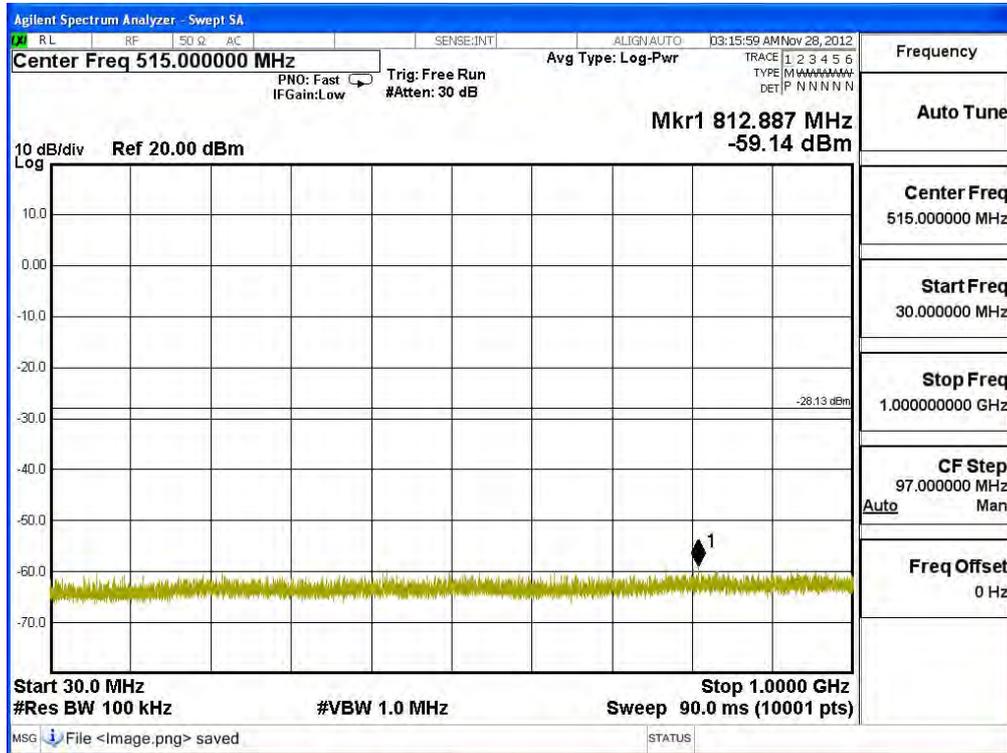


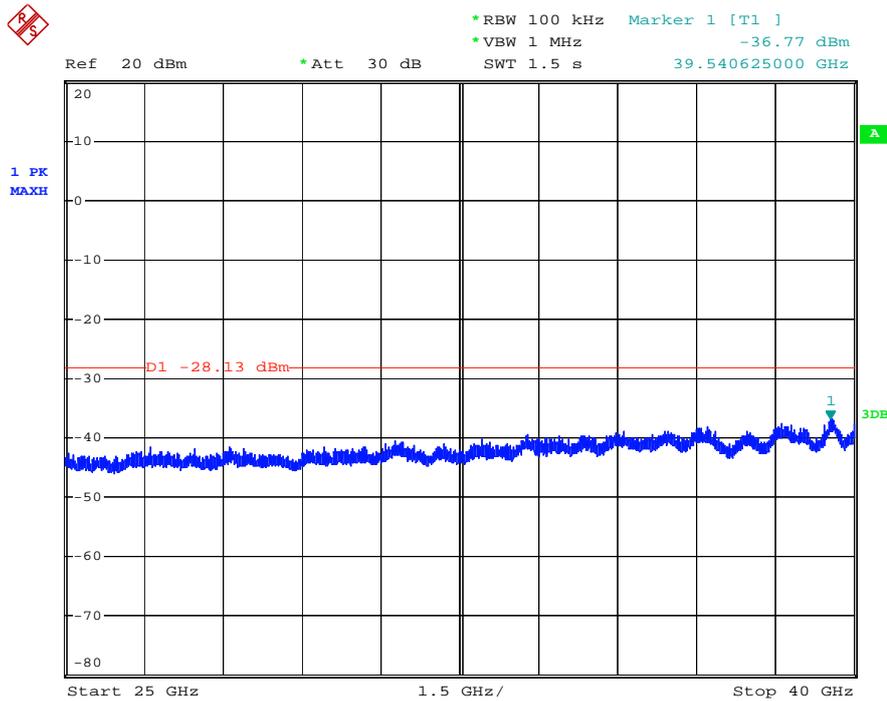
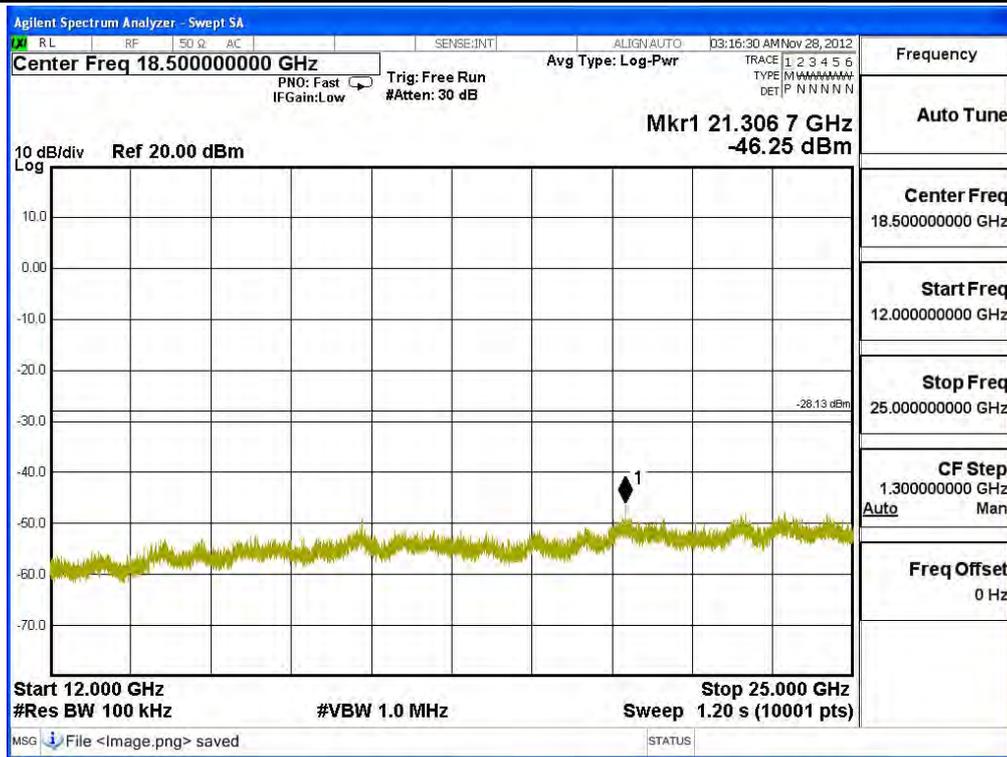


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Product : ASUS Tablet
 Test Item : RF Antenna Conducted Spurious
 Test Site : No.3 OATS
 Test Mode : Mode 7: Transmit - 802.11n-40BW_30Mbps(5G Band)

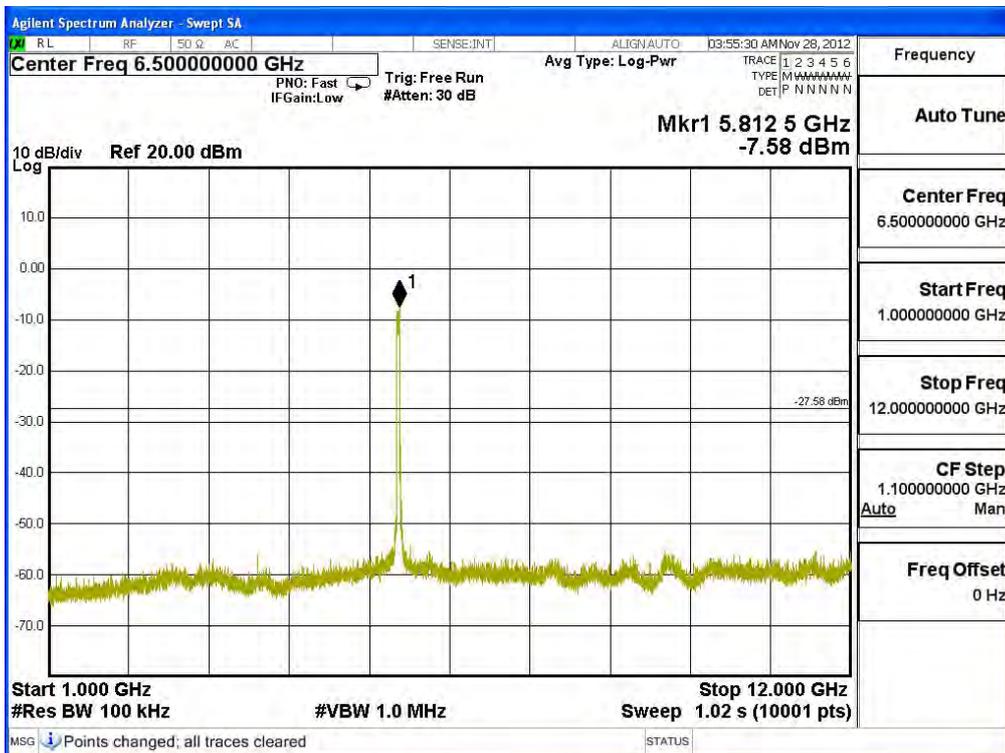
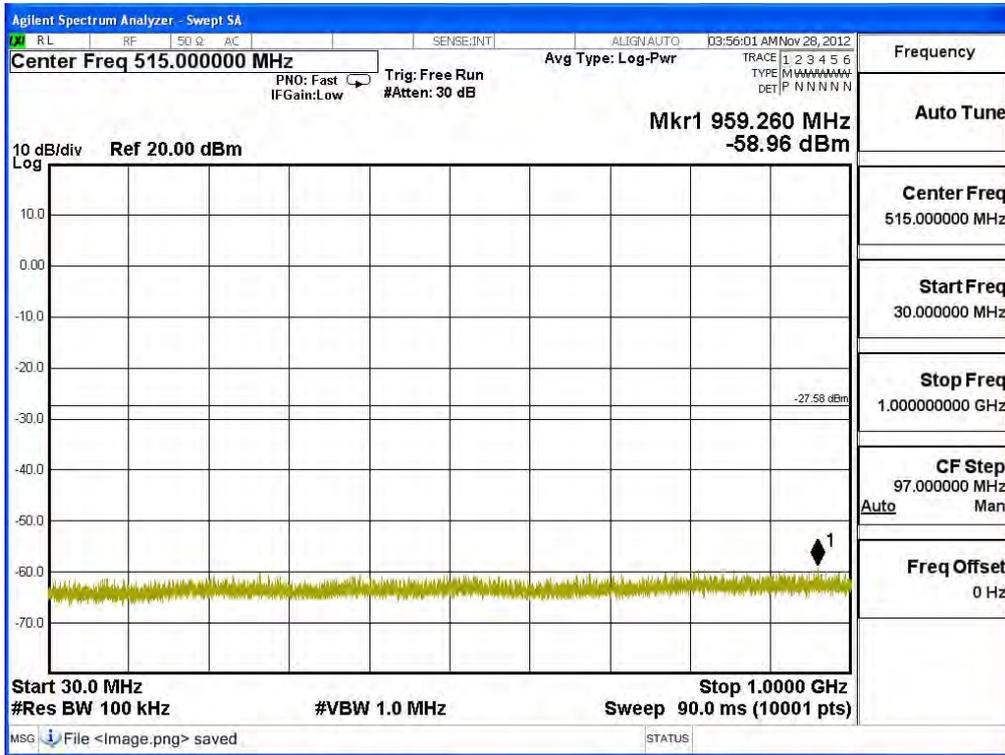
Channel 151 (5755MHz) 30MHz -40GHz-Chain A

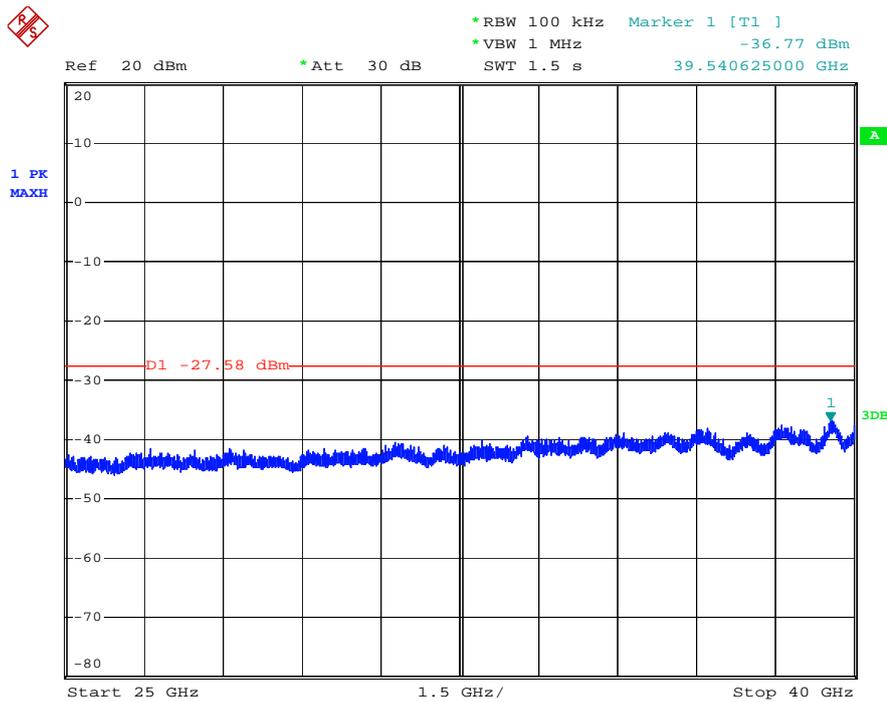
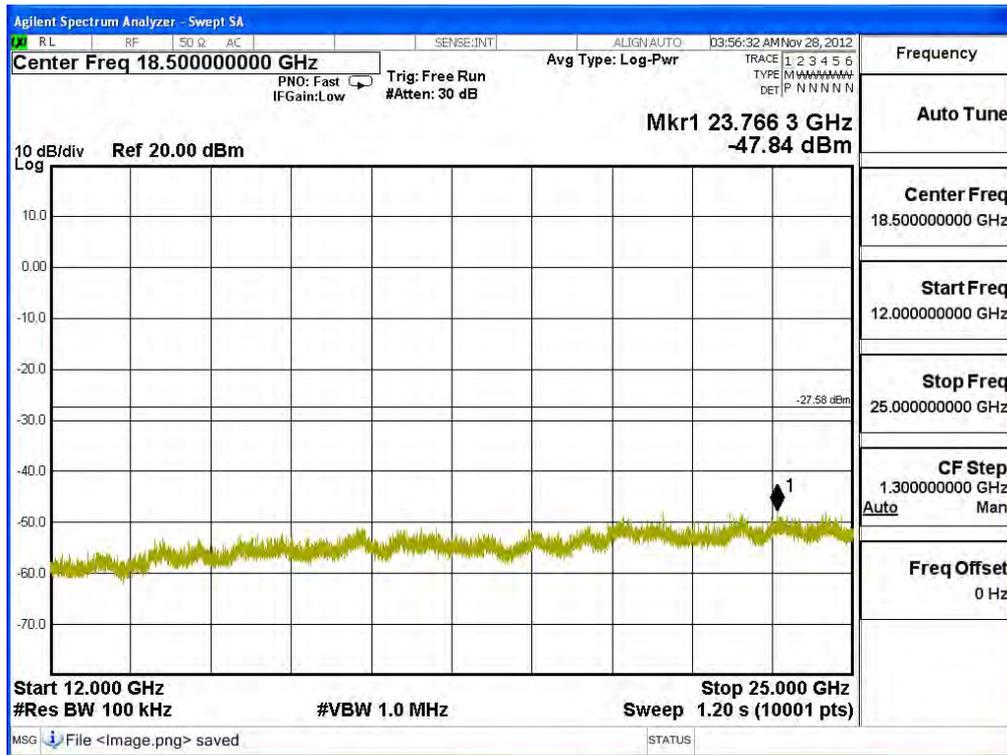




Date: 30.NOV.2012 16:37:12

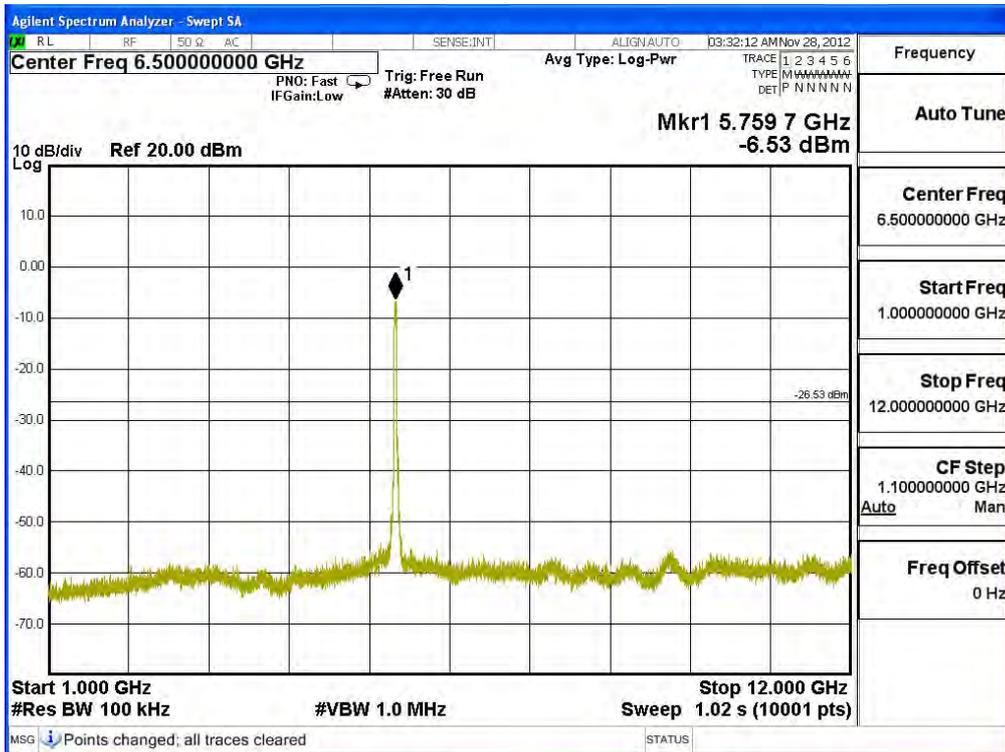
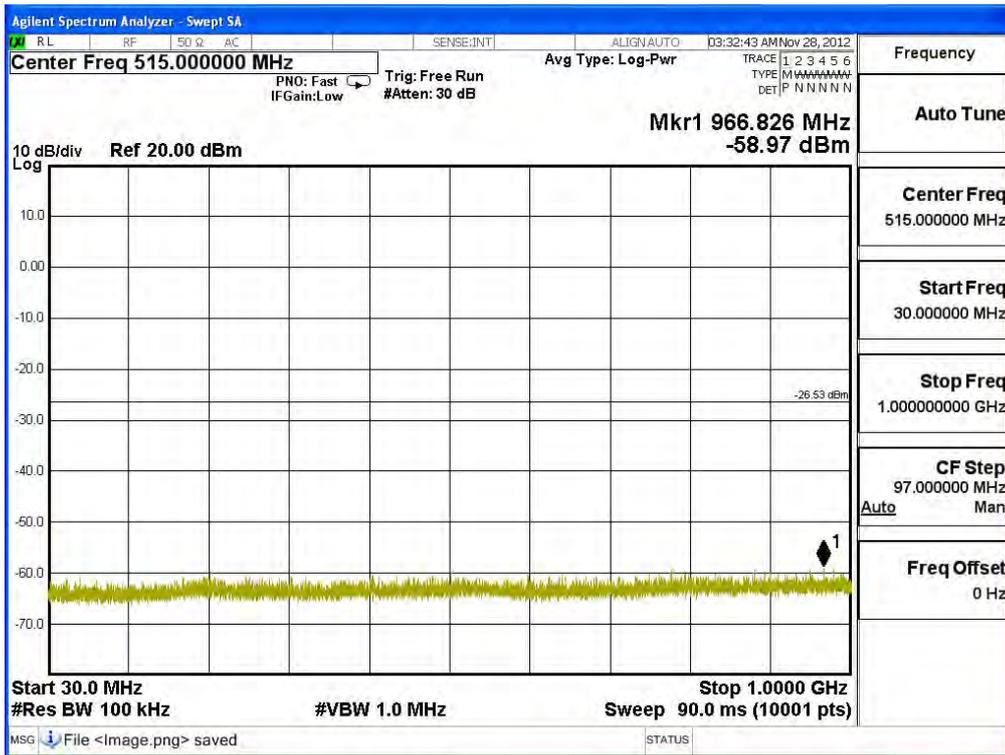
Channel 159 (5795MHz) 30MHz -40GHz-Chain A

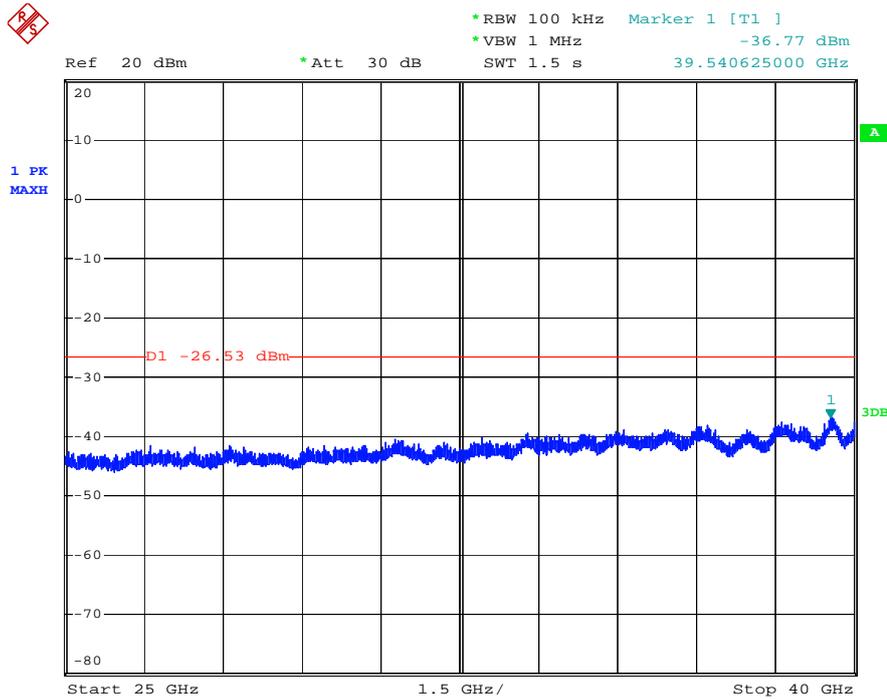
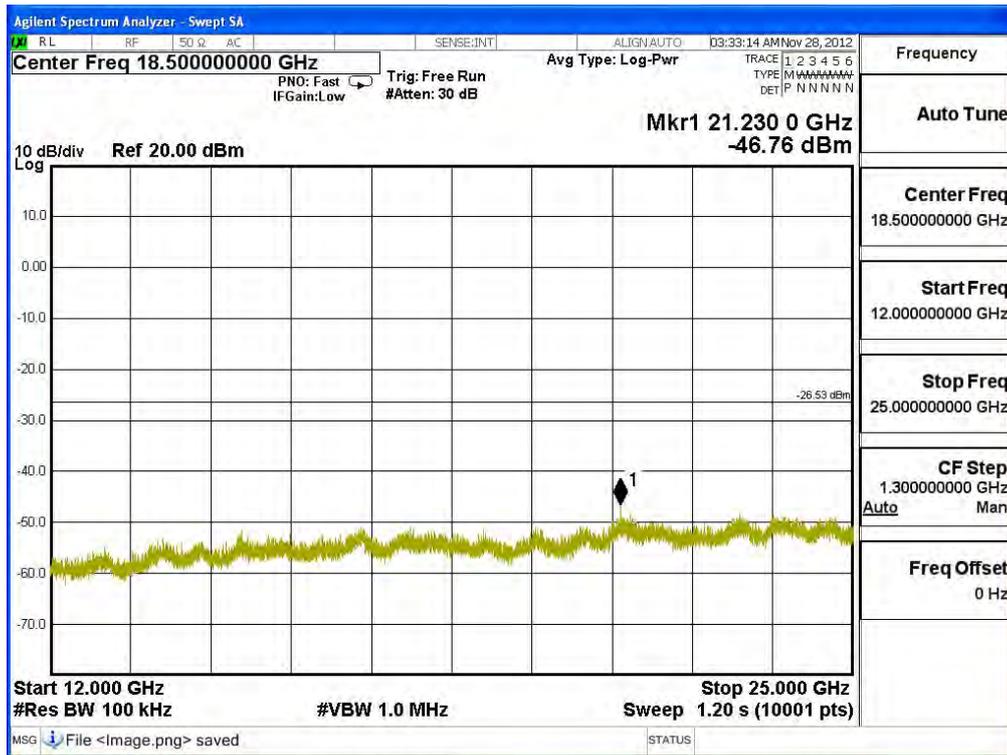




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Channel 151 (5755MHz) 30MHz -40GHz-Chain B





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