



Test Report

AIR-CAP3702P-A-K9

Cisco Aironet 802.11ac Dual Band Access Points

FCC ID: LDK102087P

IC: 2461B-102087P

Also covers:

AIR-CAP3702P-D-K9,

AIR-CAP3702P-N-K9,

AIR-CAP3702P-Z-K9,

5250-5350 MHz

Against the following Specifications:

CFR47 Part 15.407

RSS210

Cisco Systems

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San Jose, CA 95134



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Section 1: Overview

1.1 Test Summary

samples were assessed against the tests detailed in section 3 under the requirements of the following specifications:

Emission	Immunity
CFR47 Part 15.407 RSS210	N/A

The specifications listed above represent actual tests performed to demonstrate compliance against the specifications and basic standards listed on the front cover of this report. This list is not a one to one match to the front cover for one or more of the following reasons.

1. Basic standards call up many different test phenomena specifications such as the 61000-4-X series. The basic standards define which elements and levels shall be applied from these specifications and as such it is not appropriate to list the individual specifications on the front cover.
2. A Standard listed on the front cover may be required in a particular country but is not appropriate for the particular technologies included in the equipment under test. E.g. You cannot test a DC product to the mains Harmonics requirements in EN61000-3-2. See section 3.2.
3. Test results against a particular standard or specification may be included in a different test report. See section 3.2 for an EDCS reference of this data.
4. Where appropriate, Cisco may have substituted a later revision of a basic standard to those referenced in the specification on the front sheet of this test report. This decision was based upon improved test methodology and repeatability and/or where the newer revision represented a more stringent test.
5. Where relevant, testing has been carried out to the requirements of both EN and IEC Specifications. This was possible because of the similarities of the test methods involved and the Cisco EMC test procedures.
6. Testing may have been performed to an equivalent test that satisfies the requirements of the standards and specifications listed on the front cover of the report. See section 3.2.
7. Where radiated emissions testing has been performed to EN55022/CISPR22 the additional requirements of VCCI: V-3/2006.04, EN55022: 1994 +A1/2 and CAN/CSA- CISPR 22-02 have also been evaluated unless otherwise stated.
8. Testing to the requirements of CFR47 Part 15 was performed against the CISPR22 limits. The results are therefore deemed satisfactory evidence of compliance with Industry Canada Interference Causing Equipment Standard ICES-003.
9. Where assessment has been performed to CISPR24, all the applicable test requirements may have not been covered. Refer to the results section for the tests performed.

Notes:

- 1) Where a specification listed on the front cover of this report has deviations from the basic standards listed above, the additional technical requirements of the specification were also assessed.
- 2) Where appropriate, Cisco may have substituted a later revision of a basic standard to those referenced in the specification on the front sheet of this test report. This decision was based upon improved test methodology and repeatability and/or where the newer revision represented a more stringent test.
- 3) Where relevant, testing has been carried out to the requirements of both EN and IEC Specifications. This was possible because of the similarities of the test methods involved and the Cisco EMC test procedures.



Section 2: Assessment Information

2.1 General

This report contains an assessment of an apparatus against Electromagnetic Compatibility Standards based upon tests carried out on the samples submitted. The testing was performed by and for the use of Cisco systems Inc:

With regard to this assessment, the following points should be noted:

- a) The results contained in this report relate only to the items tested and were obtained in the period between the date of the initial assessment and the date of issue of the report. Manufactured products will not necessarily give identical results due to production and measurement tolerances.
- b) The apparatus was set up and exercised using the configuration and modes of operation defined in this report only.
- c) Where relevant, the apparatus was only assessed using the susceptibility criteria defined in this report and the Test Assessment Plan (TAP).
- d) All testing was performed under the following environmental conditions:

Temperature	15°C to 35°C (54°F to 95°F)
Atmospheric Pressure	860mbar to 1060mbar (25.4" to 31.3")
Humidity	10% to 75*%

*[Where applicable] For ESD testing the humidity limits used were 30% to 60% and for EFT/B tests the humidity limits used were 25% to 75%.
- e) All AC testing was performed at one or more of the following supply voltages:

110V 60 Hz (+/-20%)
220V 50 Hz (+/-20%)

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22.2 Date of testing

22-May-2013 to 5-June-2013

2.3 Report Issue Date

Cisco uses an electronic system to issue, store and control the revision of test reports. This system is called the Engineering Document Control System (EDCS). The actual report issue date is embedded into the original file on EDCS. Any copies of this report, either electronic or paper, that are not on EDCS must be considered uncontrolled

2.4 Testing facilities

This assessment was performed by:

Testing Laboratory

Cisco Systems, Inc.,	Cisco Systems, Inc.
4125 Highlander Parkway	170 West Tasman Drive
Richfield, OH 44286	San Jose, CA 95134
USA	USA

Test Engineers

James Nicholson

2.5 Equipment Assessed (EUT)

AIR-SAP3702P-A-K9 Cisco Aironet 802.11ac Dual Band Access Point



2.6 EUT Description

The 3700 Series Cisco Aironet 802.11ac Dual Band Access Points support the following modes of operation. The modes are further defined in the radio Theory of Operation. The modes included in this report represent the worst case data for all modes.

Non HT/VHT-20, One Antenna, 6 to 54 Mbps
Non HT/VHT-20, Two Antennas, 6 to 54 Mbps
Non HT/VHT-20, Three Antennas, 6 to 54 Mbps
Non HT/VHT-20, Four Antennas, 6 to 54 Mbps

Non HT/VHT-20 Beam Forming, Two Antennas, 6 to 54 Mbps
Non HT/VHT-20 Beam Forming, Three Antennas, 6 to 54 Mbps
Non HT/VHT-20 Beam Forming, Four Antennas, 6 to 54 Mbps

HT/VHT-20, One Antenna, M0 to M7, m0.1 to m9.1
HT/VHT-20, Two Antennas, M0 to M15, m0.1 to m9.2
HT/VHT-20, Three Antennas, M0 to M23, m0.1 to m9.3
HT/VHT-20, Four Antennas, M0 to M23, m0.1 to m9.3

HT/VHT-20 STBC, Two Antennas, M0 to M7, m0.1 to m9.1
HT/VHT-20 STBC, Three Antennas, M0 to M7, m0.1 to m9.1
HT/VHT-20 STBC, Four Antennas, M0 to M7, m0.1 to m9.1

HT/VHT-20 Beam Forming, Two Antennas, M0 to M15, m0.1 to m9.2
HT/VHT-20 Beam Forming, Three Antennas, M0 to M23, m0.1 to m9.3
HT/VHT-20 Beam Forming, Four Antennas, M0 to M23, m0.1 to m9.3

Non HT/VHT-40 Duplicate, One Antenna, 6-54 Mbps
Non HT/VHT-40 Duplicate, Two Antennas, 6-54 Mbps
Non HT/VHT-40 Duplicate, Three Antennas, 6-54 Mbps
Non HT/VHT-40 Duplicate, Four Antennas, 6-54 Mbps

HT/VHT-40, One Antenna, M0 to M7, m0.1 to m9.1
HT/VHT-40, Two Antennas, M0 to M15, m0.1 to m9.2
HT/VHT-40, Three Antennas, M0 to M23, m0.1 to m9.3
HT/VHT-40, Four Antennas, M0 to M23, m0.1 to m9.3

HT/VHT-40 STBC, Two Antennas, M0 to M7, m0.1 to m9.1
HT/VHT-40 STBC, Three Antennas, M0 to M7, m0.1 to m9.1
HT/VHT-40 STBC, Four Antennas, M0 to M7, m0.1 to m9.1

HT/VHT-40 Beam Forming, Two Antennas, M0 to M15, m0.1 to m9.2
HT/VHT-40 Beam Forming, Three Antennas, M0 to M23, m0.1 to m9.3
HT/VHT-40 Beam Forming, Four Antennas, M0 to M23, m0.1 to m9.3



Non VHT-80 Duplicate, One Antenna, 6-54 Mbps
 Non VHT-80 Duplicate, Two Antennas, 6-54 Mbps
 Non VHT-80 Duplicate, Three Antennas, 6-54 Mbps
 Non VHT-80 Duplicate, Four Antennas, 6-54 Mbps

VHT-80, One Antenna, M0 to M7, m0.1 to m9.1
 VHT-80, Two Antennas, M0 to M15, m0.1 to m9.2
 VHT-80, Three Antennas, M0 to M23, m0.1 to m9.3
 VHT-80, Four Antennas, M0 to M23, m0.1 to m9.3

VHT-80 STBC, Two Antennas, M0 to M7, m0.1 to m9.1
 VHT-80 STBC, Three Antennas, M0 to M7, m0.1 to m9.1
 VHT-80 STBC, Four Antennas, M0 to M7, m0.1 to m9.1

VHT-80 Beam Forming, Two Antennas, M0 to M15, m0.1 to m9.2
 VHT-80 Beam Forming, Three Antennas, M0 to M23, m0.1 to m9.3
 VHT-80 Beam Forming, Four Antennas, M0 to M23, m0.1 to m9.3

The following antennas are supported by this product series.

The data included in this report represent the antennas in **bold** below.

Part Number	Antenna Type	Antenna Gain (dBi)
AIR-ANT2524DB-R	Dual-resonant black dipole	2 / 4
AIR-ANT2524DW-R	Dual-resonant white dipole	2 / 4
AIR-ANT2524DG-R	Dual-resonant gray dipole	2 / 4
AIR-ANT2524V4C-R	Dual-resonant ceiling mount omni (4-pack)	2 / 4
AIR-ANT2544V4M-R	Dual-resonant omni (4-pack)	4 / 4
AIR-ANT2566P4W-R	Dual-resonant "directional" antenna (4-pack)	6 / 6
AIR-ANT2513P4M-N	Dual-resonant cross-pol "directional" antenna (4-pack)	13 / 13
AIR-ANT2534V4C-R	Dual-resonant ceiling mount omni (4-pack)	3 / 4



Section 4: Sample Details

Note: Each sample was evaluated to ensure that its condition was suitable to be used as a test sample prior to the commencement of testing. Please also refer to the "Justification for worst Case test Configuration" section of this report for further details on the selection of EUT samples.

4.1 Sample Details (Photographs of the test samples, where appropriate can be found in appendix H)

Sample No.	Equipment Details	Part Number	Manufacturer	Hardware Rev.	Firmware Rev.	Software Rev.	Serial Number
S01	AIR-SAP3702P-A-K9		Cisco Systems	NA	NA	NA	
S02	AIR-PWR-B	341-0306-01	Cisco Systems	NA	NA	NA	

4.2 System Details

System #	Description	Samples
1	EUT	S01, S02

4.3 Mode of Operation Details

Mode#	Description	Comments
1	Continuous Transmitting	Continuous Transmitting

All tests in this report were performed as described in FCC KDB 662911 D01

**Appendix A: Emission Test Results****Testing Laboratory:** Cisco Systems, Inc., 4125 Highlander Parkway, Richfield, OH, USA**Target Maximum Channel Power**

The following table details the maximum supported Total Channel Power for all operating modes.

Operating Mode	Maximum Channel Power (dBm)	
	Frequency (MHz)	
	5260	5320
Non HT-20, 6 to 54 Mbps	19	19
Non HT-20 Beam Forming, 6 to 54 Mbps	19	18
HT-20, M0 to M23, M0.1 to M9.3	21	20
HT-20 STBC, M0 to M7, M0.1 to M9.1	21	20
HT-20 Beam Forming, M0 to M23, M0.1 to M9.3	21	20
	5260/5280	5300/5320
Non HT-40 Duplicate, 6 to 54 Mbps	21	20
HT-40, M0 to M23, M0.1 to M9.3	22	21
HT-40 STBC, M0 to M7, M0.1 to M9.1	22	21
HT-40 Beam Forming, M0 to M23, M0.1 to M9.3	22	21
	5260/5280/5300/5320	
Non HT-80 Duplicate, 6 to 54 Mbps	22	
HT-80, M0 to M23, M0.1 to M9.3	22	
HT-80 STBC, M0 to M7, M0.1 to M9.1	22	
HT-80 Beam Forming, M0 to M23, M0.1 to M9.3	21	



99% and 26dB Bandwidth

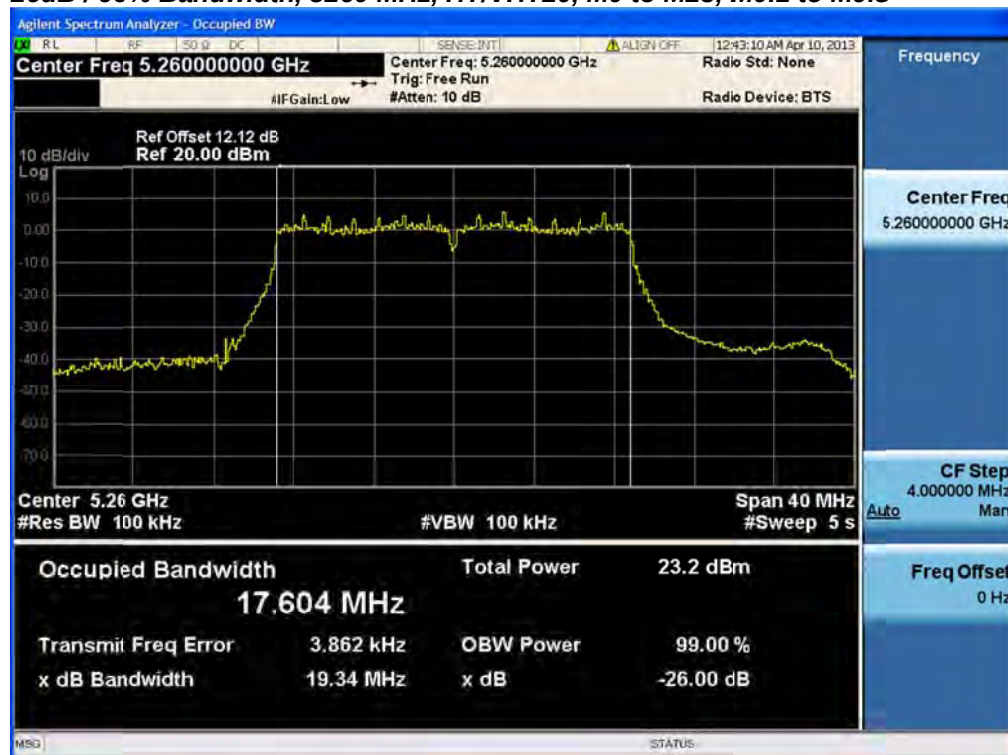
Connect the antenna port(s) to the spectrum analyzer input. Using the spectrum analyzer Channel Bandwidth mode, configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

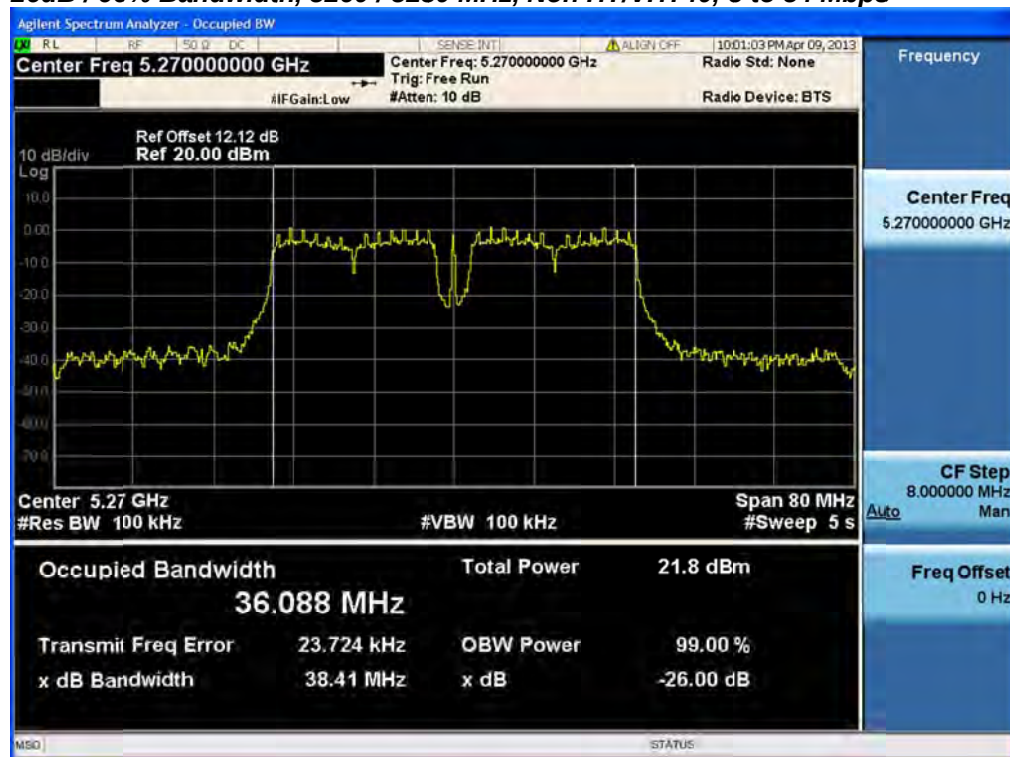
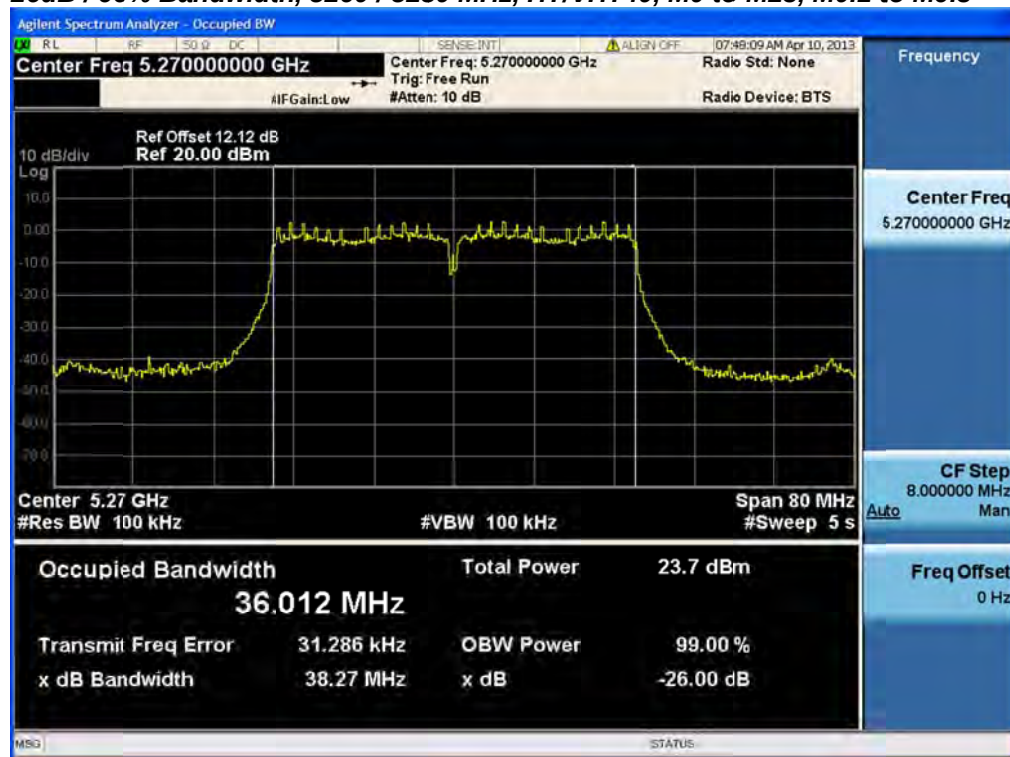
Center Frequency:	Frequency from table below
Span:	2 x Nominal Bandwidth (e.g. 40MHz for a 20MHz channel)
Reference Level:	20 dBm
Attenuation:	10 dB
Sweep Time:	5 s
Resolution Bandwidth:	1%-3% of 26 dB Bandwidth
Video Bandwidth:	≥Resolution Bandwidth
X dB Bandwidth:	26 dB
Detector:	Peak
Trace:	Single

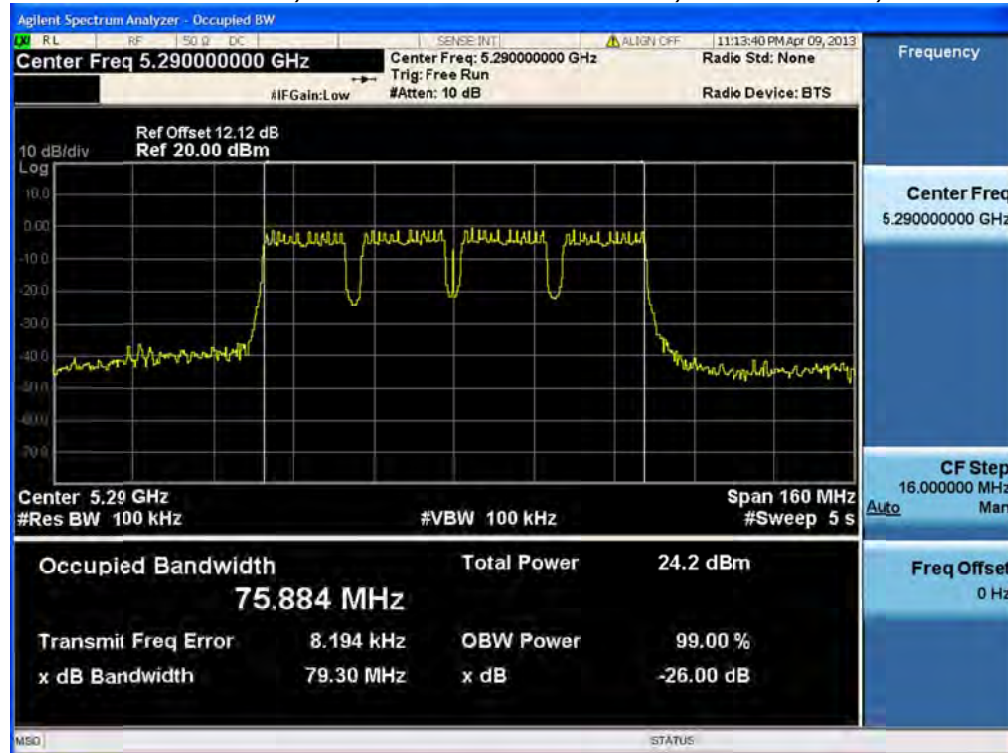
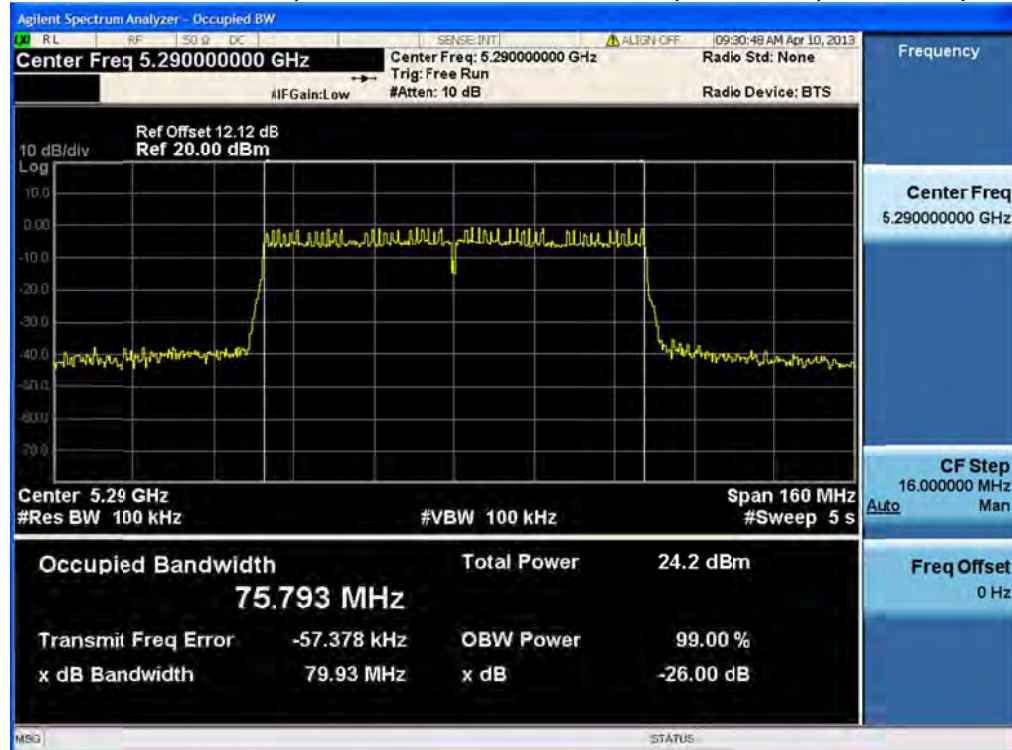
Place the radio in continuous transmit mode. View the transmitter waveform on the spectrum analyzer, and record the pertinent measurements:

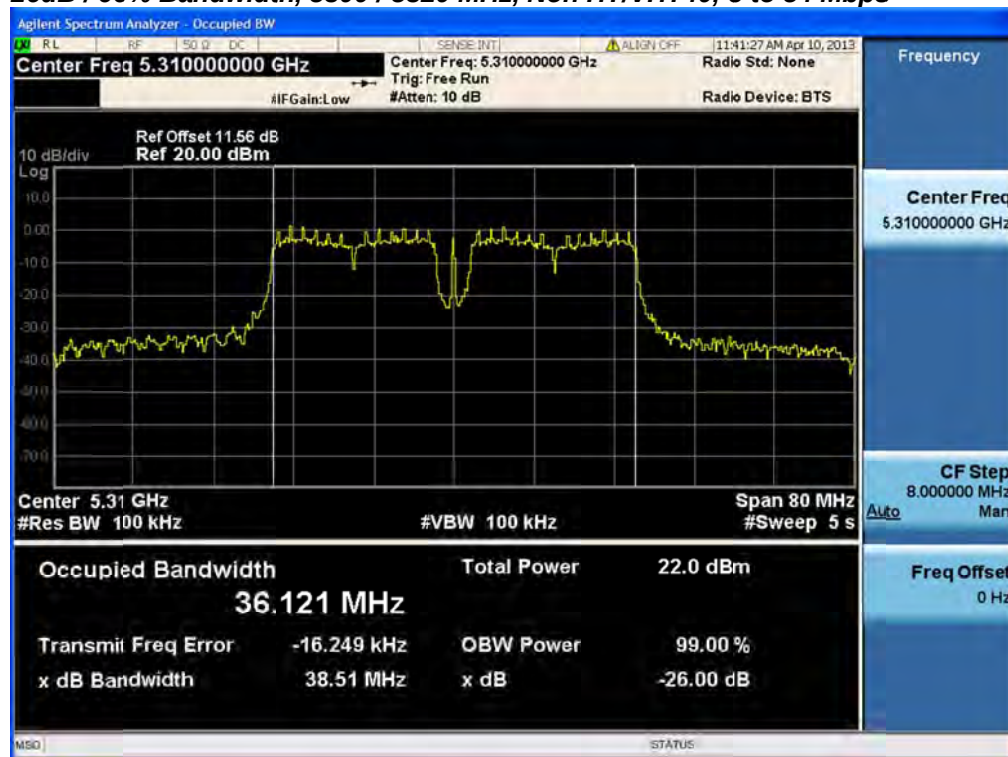
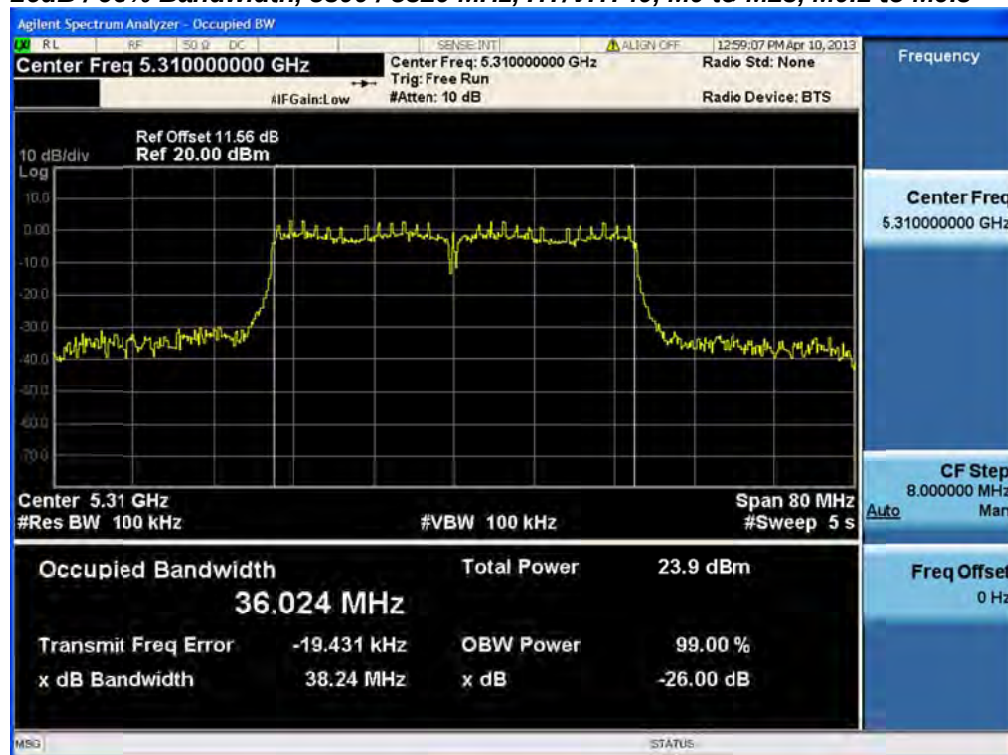


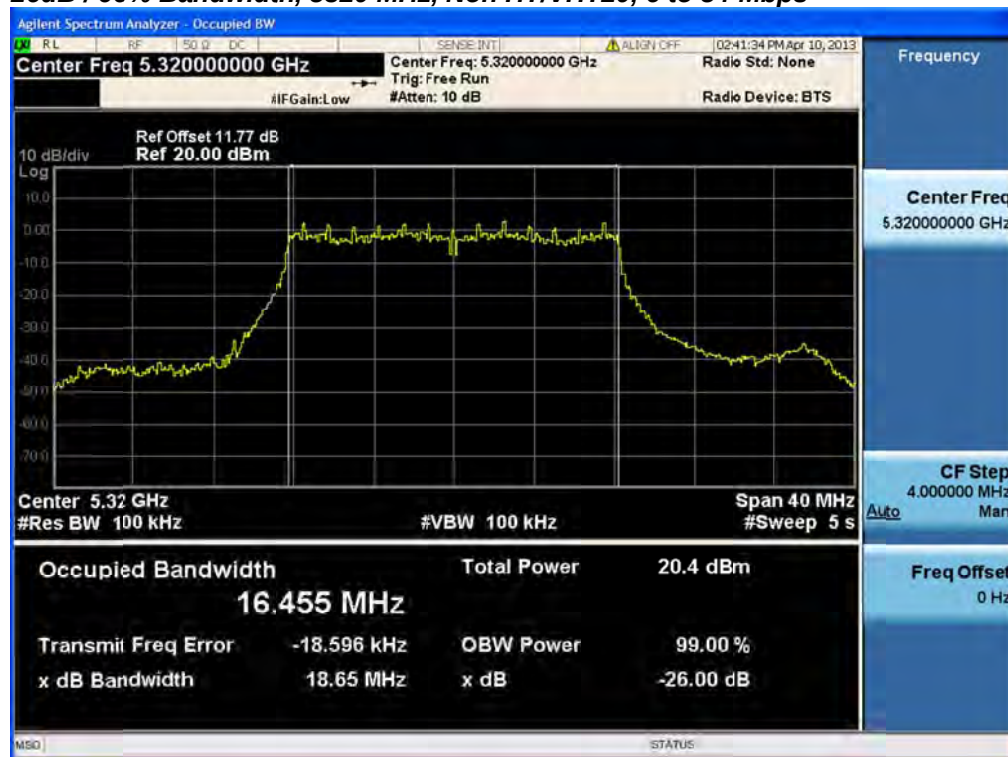
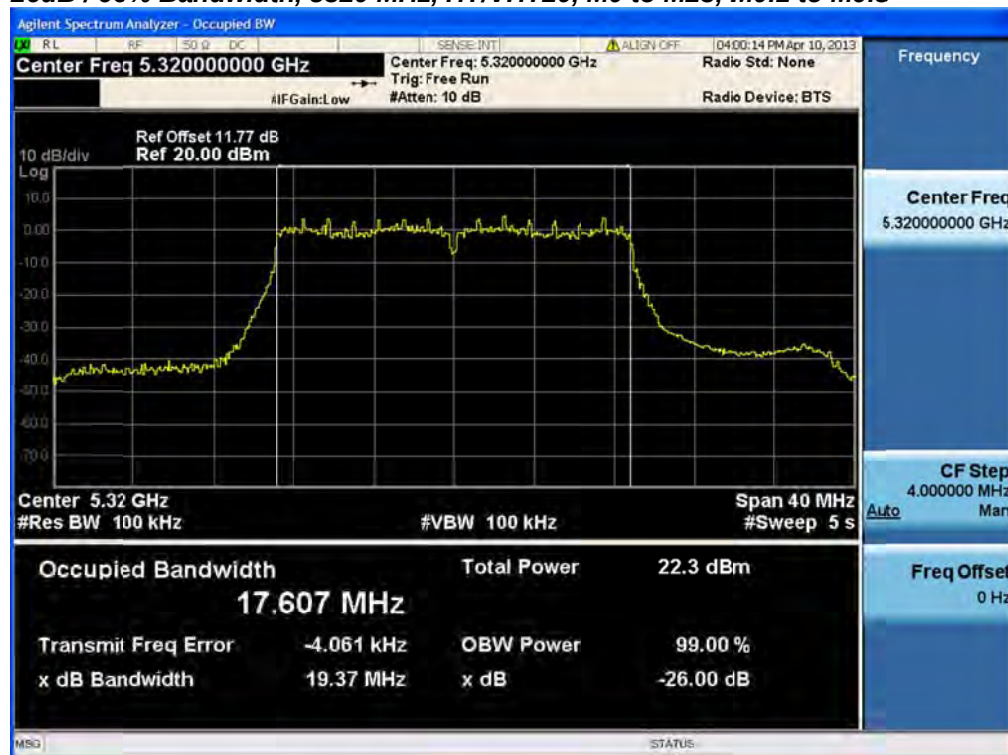
Frequency (MHz)	Mode	Data Rate (Mbps)	26dB BW (MHz)	99% BW (MHz)
5260	Non HT/VHT20, 6 to 54 Mbps	6	<u>18.6</u>	16.5
	HT/VHT20, M0 to M23, M0.1 to M9.3	m0	<u>19.4</u>	17.6
5260/5280	Non HT/VHT40, 6 to 54 Mbps	6	<u>38.4</u>	36.1
	HT/VHT40, M0 to M23, M0.1 to M9.3	m0	<u>38.3</u>	36
5260/5280 5300/5320	Non HT/VHT80, 6 to 54 Mbps	6	<u>79.3</u>	75.9
	HT/VHT80, M0 to M23, M0.1 to M9.3	m0x1	<u>79.9</u>	75.8
5300/5320	Non HT/VHT40, 6 to 54 Mbps	6	<u>38.5</u>	36.1
	HT/VHT40, M0 to M23, M0.1 to M9.3	m0	<u>38.2</u>	36
5320	Non HT/VHT20, 6 to 54 Mbps	6	<u>18.6</u>	16.5
	HT/VHT20, M0 to M23, M0.1 to M9.3	m0	<u>19.4</u>	17.6

26dB / 99% Bandwidth, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps**26dB / 99% Bandwidth, 5260 MHz, HT/VHT20, M0 to M23, M0.1 to M9.3**

26dB / 99% Bandwidth, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps**26dB / 99% Bandwidth, 5260 / 5280 MHz, HT/VHT40, M0 to M23, M0.1 to M9.3**

26dB / 99% Bandwidth, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps**26dB / 99% Bandwidth, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M23, M0.1 to M9.3**

26dB / 99% Bandwidth, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**26dB / 99% Bandwidth, 5300 / 5320 MHz, HT/VHT40, M0 to M23, M0.1 to M9.3**

26dB / 99% Bandwidth, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps**26dB / 99% Bandwidth, 5320 MHz, HT/VHT20, M0 to M23, M0.1 to M9.3**



Peak Output Power

15.407: For the bands 5.25-5.35 and 5.47-5.725 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26-dB emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

The smallest 26dB bandwidth for all channels is 18.6 MHz. The maximum conducted output power is calculated as $4\text{dBm} + 10 \cdot \log(18.6\text{MHz}) = 16.7\text{dBm}$

The maximum supported antenna gain for all bands is 5dBi. The peak correlated gain for each mode is listed in the table below. See the Theory of Operation for details on the correlated gain for each mode.

The “measure-and-sum technique” is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units.

Power Spectral Density

15.407: For the bands 5.25-5.35 and 5.47-5.725 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

The maximum supported antenna gain is 5dBi. The peak correlated gain for each mode is listed in the table below. See the Theory of Operation for details on the correlated gain for each mode.

The “Measure and add $10 \log(N)$ dB technique”, where N is the number of outputs, is used for measuring in-band Power Spectral Density. With this technique, spectrum measurements are performed at each output of the device, and the quantity $10 \log(4)$ (or 6dB) is added to the worst case spectrum value before comparing to the emission limit.



Connect the antenna port(s) to the spectrum analyzer input. Place the radio in continuous transmit mode. Configure the spectrum analyzer as shown below.

Enable "Channel Power" function of analyzer	
Center Frequency:	Frequency from table below
Span:	20 MHz (must be greater than 26dB bandwidth, adjust as necessary)
Ref Level Offset:	Correct for attenuator and cable loss.
Reference Level:	20 dBm
Attenuation:	20 dB
Sweep Time:	100ms, Single sweep
Resolution Bandwidth:	1 MHz
Video Bandwidth:	3 MHz
Detector:	Sample
Trace:	Trace Average 100 traces in Power Averaging Mode
Integration BW:	=99% BW from 99% Bandwidth Data

After averaging 100 traces of the transmitter waveform on the spectrum analyzer, record the spectrum analyzer Channel Power. Perform a Marker Peak Search function, and record this value as the Power Spectral Density.



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Max Power (dBm)	Tx 2 Max Power (dBm)	Tx 3 Max Power (dBm)	Tx 4 Max Power (dBm)	Total Tx Channel Power (dBm)	Limit (dBm)	Margin (dB)
5260	Non HT/VHT20, 6 to 54 Mbps	1	5	<u>16.2</u>				16.2	23.72	7.5
	Non HT/VHT20, 6 to 54 Mbps	2	5	<u>15.3</u>	<u>16.3</u>			18.8	23.7	4.9
	Non HT/VHT20, 6 to 54 Mbps	3	5	<u>11.3</u>	<u>12.2</u>	<u>12.0</u>		16.6	23.72	7.1
	Non HT/VHT20, 6 to 54 Mbps	4	5	<u>9.7</u>	<u>10.2</u>	<u>10.3</u>	<u>10.0</u>	16.1	23.7	7.6
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	<u>15.3</u>	<u>16.3</u>			18.8	21.7	2.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	<u>11.3</u>	<u>12.2</u>	<u>12.0</u>		16.6	19.92	3.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	<u>9.7</u>	<u>10.2</u>	<u>10.3</u>	<u>10.0</u>	16.1	18.7	2.6
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	<u>16.4</u>				16.4	23.88	7.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	5	<u>15.3</u>	<u>16.5</u>			19.0	23.86	4.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	<u>16.4</u>	<u>17.8</u>			20.2	23.88	3.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	5	<u>11.4</u>	<u>12.3</u>	<u>12.1</u>		16.7	23.88	7.2
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	5	<u>15.3</u>	<u>16.5</u>	<u>16.4</u>		20.9	23.88	3.0
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	<u>15.3</u>	<u>16.5</u>	<u>16.4</u>		20.9	23.88	3.0
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	5	<u>9.7</u>	<u>10.3</u>	<u>10.1</u>	<u>10.1</u>	16.1	23.86	7.8
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	5	<u>12.4</u>	<u>13.3</u>	<u>13.1</u>	<u>12.8</u>	18.9	23.86	4.9
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	<u>14.3</u>	<u>15.4</u>	<u>15.3</u>	<u>14.8</u>	21.0	23.88	2.9
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>15.3</u>	<u>16.5</u>			19.0	21.86	2.9
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>16.4</u>	<u>17.8</u>			20.2	23.88	3.7
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>11.4</u>	<u>12.3</u>	<u>12.1</u>		16.7	20.08	3.4
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>14.3</u>	<u>15.4</u>	<u>15.3</u>		19.8	23.08	3.3
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>15.3</u>	<u>16.5</u>	<u>16.4</u>		20.9	23.88	3.0
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>9.7</u>	<u>10.3</u>	<u>10.1</u>	<u>10.1</u>	16.1	18.86	2.8
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>12.4</u>	<u>13.3</u>	<u>13.1</u>	<u>12.8</u>	18.9	21.86	2.9
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>14.3</u>	<u>15.4</u>	<u>15.3</u>	<u>14.8</u>	21.0	23.68	2.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>16.4</u>	<u>17.8</u>			20.2	23.88	3.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>15.3</u>	<u>16.5</u>	<u>16.4</u>		20.9	23.88	3.0
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>12.4</u>	<u>13.3</u>	<u>13.1</u>	<u>12.8</u>	18.9	23.86	4.9



5260/5280	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>17.0</u>				17.0	24	7.0
	Non HT/VHT40, 6 to 54 Mbps	2	5	<u>17.0</u>	<u>18.3</u>			20.7	24	3.3
	Non HT/VHT40, 6 to 54 Mbps	3	5	<u>14.8</u>	<u>15.9</u>	<u>15.8</u>		20.3	24	3.7
	Non HT/VHT40, 6 to 54 Mbps	4	5	<u>12.7</u>	<u>13.5</u>	<u>13.3</u>	<u>13.2</u>	19.2	24	4.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	5	<u>16.4</u>				16.4	24	7.6
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	5	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	5	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	5	<u>14.4</u>	<u>15.5</u>	<u>15.3</u>		19.9	24	4.1
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	5	<u>16.4</u>	<u>17.8</u>	<u>17.6</u>		22.1	24	1.9
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	5	<u>16.4</u>	<u>17.8</u>	<u>17.6</u>		22.1	24	1.9
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	5	<u>12.6</u>	<u>13.4</u>	<u>13.0</u>	<u>12.8</u>	19.0	24	5.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	5	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>	<u>16.0</u>	22.2	24	1.8
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	5	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>	<u>16.0</u>	22.2	24	1.8
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>15.3</u>	<u>16.6</u>			19.0	22	3.0
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>11.6</u>	<u>12.4</u>	<u>12.0</u>		16.8	20.2	3.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>14.4</u>	<u>15.5</u>	<u>15.3</u>		19.9	23.2	3.3
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>16.4</u>	<u>17.8</u>	<u>17.6</u>		22.1	24	1.9
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>9.7</u>	<u>10.4</u>	<u>10.0</u>	<u>10.1</u>	16.1	19	2.9
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>12.6</u>	<u>13.4</u>	<u>13.0</u>	<u>12.8</u>	19.0	22	3.0
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>14.4</u>	<u>15.5</u>	<u>15.3</u>	<u>14.9</u>	21.1	23.8	2.7
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>16.4</u>	<u>17.8</u>	<u>17.6</u>		22.1	24	1.9
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>	<u>16.0</u>	22.2	24	1.8
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	5	<u>16.6</u>				16.6	24	7.4
	Non HT/VHT80, 6 to 54 Mbps	2	5	<u>16.6</u>	<u>17.8</u>			20.3	24	3.7
	Non HT/VHT80, 6 to 54 Mbps	3	5	<u>15.5</u>	<u>16.5</u>	<u>16.0</u>		20.8	24	3.2
	Non HT/VHT80, 6 to 54 Mbps	4	5	<u>15.5</u>	<u>16.5</u>	<u>16.0</u>	<u>16.0</u>	22.0	24	2.0
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	5	<u>16.2</u>				16.2	24	7.8
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	5	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	5	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	5	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>		21.5	24	2.5
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	5	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>		21.5	24	2.5
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	5	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>		21.5	24	2.5
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	5	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>	<u>15.4</u>	21.6	24	2.4
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	5	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>	<u>15.4</u>	21.6	24	2.4
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	5	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>	<u>15.4</u>	21.6	24	2.4
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>15.1</u>	<u>16.1</u>			18.6	22	3.4
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>11.1</u>	<u>11.7</u>	<u>11.1</u>		16.1	20.2	4.1



	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>14.1</u>	<u>14.8</u>	<u>14.4</u>		19.2	23.2	4.0
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>		21.5	24	2.5
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>9.2</u>	<u>9.7</u>	<u>9.2</u>	<u>9.6</u>	15.5	19	3.5
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>12.2</u>	<u>12.8</u>	<u>12.2</u>	<u>12.7</u>	18.5	22	3.5
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>14.1</u>	<u>14.8</u>	<u>14.4</u>	<u>14.4</u>	20.5	23.8	3.3
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>		21.5	24	2.5
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>	<u>15.4</u>	21.6	24	2.4
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>16.0</u>				16.0	24	8.0
	Non HT/VHT40, 6 to 54 Mbps	2	5	<u>16.0</u>	<u>17.1</u>			19.6	24	4.4
	Non HT/VHT40, 6 to 54 Mbps	3	5	<u>14.9</u>	<u>15.8</u>	<u>15.3</u>		20.1	24	3.9
	Non HT/VHT40, 6 to 54 Mbps	4	5	<u>12.8</u>	<u>13.4</u>	<u>12.8</u>	<u>13.1</u>	19.1	24	4.9
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	5	<u>15.5</u>				15.5	24	8.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	5	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	5	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	5	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>		19.5	24	4.5
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	5	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>		20.7	24	3.3
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	5	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>		20.7	24	3.3
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	5	<u>12.5</u>	<u>12.9</u>	<u>12.2</u>	<u>12.6</u>	18.6	24	5.4
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	5	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>	<u>14.8</u>	20.8	24	3.2
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	5	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>	<u>14.8</u>	20.8	24	3.2
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>14.5</u>	<u>15.2</u>			17.9	22	4.1
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>10.6</u>	<u>10.8</u>	<u>10.5</u>		15.4	20.2	4.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>13.5</u>	<u>14.1</u>	<u>13.5</u>		18.5	23.2	4.7
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>		20.7	24	3.3
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>8.8</u>	<u>8.9</u>	<u>8.5</u>	<u>8.9</u>	14.8	19	4.2
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>11.4</u>	<u>11.9</u>	<u>11.5</u>	<u>11.6</u>	17.6	22	4.4
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>13.5</u>	<u>14.1</u>	<u>13.5</u>	<u>13.8</u>	19.8	23.8	4.0
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>		20.7	24	3.3
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>	<u>14.8</u>	20.8	24	3.2



5320	Non HT/VHT20, 6 to 54 Mbps	1	5	<u>15.3</u>				15.3	23.72	8.4
	Non HT/VHT20, 6 to 54 Mbps	2	5	<u>15.3</u>	<u>15.9</u>			18.6	23.72	5.1
	Non HT/VHT20, 6 to 54 Mbps	3	5	<u>12.4</u>	<u>12.6</u>	<u>12.1</u>		17.1	23.7	6.6
	Non HT/VHT20, 6 to 54 Mbps	4	5	<u>9.8</u>	<u>9.6</u>	<u>9.1</u>	<u>9.8</u>	15.6	23.7	8.1
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	<u>14.3</u>	<u>14.8</u>			17.6	21.72	4.2
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	<u>10.4</u>	<u>10.5</u>	<u>10.0</u>		15.1	19.9	4.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	<u>8.8</u>	<u>8.7</u>	<u>8.3</u>	<u>9.0</u>	14.7	18.7	4.0
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	<u>15.1</u>				15.1	23.88	8.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	5	<u>15.1</u>	<u>16.0</u>			18.6	23.88	5.3
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	<u>15.1</u>	<u>16.0</u>			18.6	23.88	5.3
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	5	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>		17.0	23.88	6.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	5	<u>15.1</u>	<u>16.0</u>	<u>15.3</u>		20.3	23.88	3.6
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	<u>15.1</u>	<u>16.0</u>	<u>15.3</u>		20.3	23.88	3.6
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	5	<u>9.4</u>	<u>9.5</u>	<u>8.7</u>	<u>9.5</u>	15.3	23.88	8.6
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	5	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>	<u>12.5</u>	18.3	23.88	5.5
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	<u>14.1</u>	<u>14.8</u>	<u>14.0</u>	<u>14.5</u>	20.4	23.88	3.5
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>14.1</u>	<u>14.8</u>			17.5	21.88	4.4
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>15.1</u>	<u>16.0</u>			18.6	23.88	5.3
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>10.3</u>	<u>10.5</u>	<u>9.7</u>		15.0	20.06	5.1
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>13.2</u>	<u>13.6</u>	<u>12.9</u>		18.0	23.08	5.1
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>15.1</u>	<u>16.0</u>	<u>15.3</u>		20.3	23.88	3.6
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>8.5</u>	<u>8.6</u>	<u>7.9</u>	<u>8.6</u>	14.4	18.88	4.4
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>11.3</u>	<u>11.5</u>	<u>10.7</u>	<u>11.4</u>	17.3	21.88	4.6
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>13.2</u>	<u>13.6</u>	<u>12.9</u>	<u>13.4</u>	19.3	23.68	4.4
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>15.1</u>	<u>16.0</u>			18.6	23.88	5.3
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>15.1</u>	<u>16.0</u>	<u>15.3</u>		20.3	23.88	3.6
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>	<u>12.5</u>	18.3	23.88	5.5



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 PSD (dBm/MHz)	Tx 2 PSD (dBm/MHz)	Tx 3 PSD (dBm/MHz)	Tx 4 PSD (dBm/MHz)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)
5260	Non HT/VHT20, 6 to 54 Mbps	1	5	<u>5.8</u>				5.8	11.0	5.2
	Non HT/VHT20, 6 to 54 Mbps	2	8	<u>4.9</u>	<u>5.9</u>			8.4	9.0	0.6
	Non HT/VHT20, 6 to 54 Mbps	3	10	<u>0.9</u>	<u>1.6</u>	<u>1.7</u>		6.2	7.2	1.0
	Non HT/VHT20, 6 to 54 Mbps	4	11	<u>-0.7</u>	<u>-0.2</u>	<u>0.0</u>	<u>-0.4</u>	5.7	6.0	0.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	<u>4.9</u>	<u>5.9</u>			8.4	9.0	0.6
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	<u>0.9</u>	<u>1.6</u>	<u>1.7</u>		6.2	7.2	1.0
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	<u>-0.7</u>	<u>-0.2</u>	<u>0.0</u>	<u>-0.4</u>	5.7	6.0	0.3
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	<u>5.8</u>				5.8	11.0	5.2
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	8	<u>4.5</u>	<u>5.7</u>			8.2	9.0	0.8
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	<u>5.8</u>	<u>7.0</u>			9.5	11.0	1.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	10	<u>1.0</u>	<u>1.9</u>	<u>1.3</u>		6.2	7.2	1.0
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	7	<u>4.5</u>	<u>5.7</u>	<u>5.6</u>		10.1	10.2	0.2
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	<u>4.5</u>	<u>5.7</u>	<u>5.6</u>		10.1	11.0	0.9
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	11	<u>-1.0</u>	<u>-0.4</u>	<u>-0.5</u>	<u>-0.7</u>	5.4	6.0	0.6
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	8	<u>2.0</u>	<u>2.8</u>	<u>2.6</u>	<u>2.0</u>	8.4	9.0	0.6
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	6	<u>3.6</u>	<u>4.6</u>	<u>4.8</u>	<u>4.0</u>	10.3	10.8	0.5
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>4.5</u>	<u>5.7</u>			8.2	9.0	0.8
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>5.8</u>	<u>7.0</u>			9.5	11.0	1.5
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>1.0</u>	<u>1.9</u>	<u>1.3</u>		6.2	7.2	1.0
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>3.6</u>	<u>4.6</u>	<u>4.8</u>		9.1	10.2	1.1
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>4.5</u>	<u>5.7</u>	<u>5.6</u>		10.1	11.0	0.9
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-1.0</u>	<u>-0.4</u>	<u>-0.5</u>	<u>-0.7</u>	5.4	6.0	0.6
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>2.0</u>	<u>2.8</u>	<u>2.6</u>	<u>2.0</u>	8.4	9.0	0.6
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>3.6</u>	<u>4.6</u>	<u>4.8</u>	<u>4.0</u>	10.3	10.8	0.5
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>5.8</u>	<u>7.0</u>			9.5	11.0	1.5
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	7	<u>4.5</u>	<u>5.7</u>	<u>5.6</u>		10.1	10.2	0.2
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	8	<u>2.0</u>	<u>2.8</u>	<u>2.6</u>	<u>2.0</u>	8.4	9.0	0.6



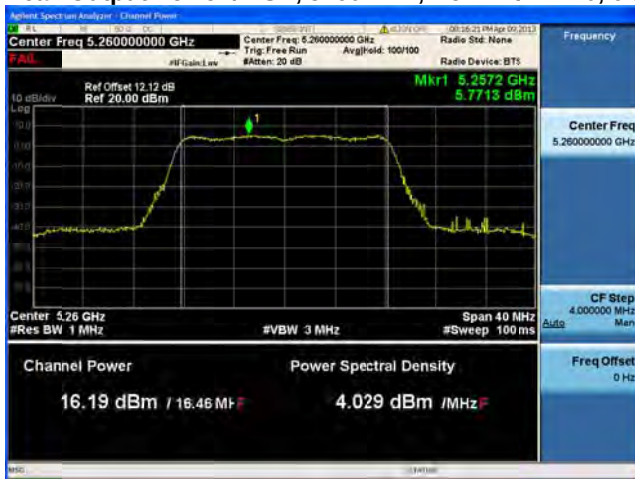
5260/5280	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>3.6</u>				3.6	11.0	7.4
	Non HT/VHT40, 6 to 54 Mbps	2	8	<u>3.6</u>	<u>5.0</u>			7.4	9.0	1.6
	Non HT/VHT40, 6 to 54 Mbps	3	10	<u>1.4</u>	<u>2.8</u>	<u>2.6</u>		7.1	7.2	0.1
	Non HT/VHT40, 6 to 54 Mbps	4	11	<u>-0.7</u>	<u>-0.1</u>	<u>0.0</u>	<u>-0.2</u>	5.8	6.0	0.2
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	5	<u>2.9</u>				2.9	11.0	8.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	8	<u>2.9</u>	<u>4.3</u>			6.7	9.0	2.3
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	5	<u>2.9</u>	<u>4.3</u>			6.7	11.0	4.3
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	10	<u>0.7</u>	<u>2.2</u>	<u>1.5</u>		6.3	7.2	0.9
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	7	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>		8.6	10.2	1.7
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	5	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>		8.6	11.0	2.4
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	11	<u>-1.0</u>	<u>-0.3</u>	<u>-0.9</u>	<u>-0.8</u>	5.3	6.0	0.7
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	8	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>	<u>2.4</u>	8.7	9.0	0.3
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	6	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>	<u>2.4</u>	8.7	10.8	2.1
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>2.1</u>	<u>3.0</u>			5.6	9.0	3.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>2.9</u>	<u>4.3</u>			6.7	11.0	4.3
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-2.0</u>	<u>-1.1</u>	<u>-1.5</u>		3.3	7.2	4.0
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>0.7</u>	<u>2.2</u>	<u>1.5</u>		6.3	10.2	4.0
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>		8.6	11.0	2.4
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-3.9</u>	<u>-3.4</u>	<u>-3.6</u>	<u>-3.4</u>	2.5	6.0	3.5
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>-1.0</u>	<u>-0.3</u>	<u>-0.9</u>	<u>-0.8</u>	5.3	9.0	3.7
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>0.7</u>	<u>2.2</u>	<u>1.5</u>	<u>1.3</u>	7.5	10.8	3.3
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>2.9</u>	<u>4.3</u>			6.7	11.0	4.3
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	7	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>		8.6	10.2	1.7
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	8	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>	<u>2.4</u>	8.7	9.0	0.3
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	5	<u>0.2</u>				0.2	11.0	10.8
	Non HT/VHT80, 6 to 54 Mbps	2	8	<u>0.2</u>	<u>0.9</u>			3.6	9.0	5.4
	Non HT/VHT80, 6 to 54 Mbps	3	10	<u>-1.3</u>	<u>-0.1</u>	<u>-0.5</u>		4.2	7.2	3.1
	Non HT/VHT80, 6 to 54 Mbps	4	11	<u>-1.3</u>	<u>-0.1</u>	<u>-0.5</u>	<u>-0.5</u>	5.4	6.0	0.5
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	5	<u>-0.9</u>				-0.9	11.0	11.9
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	8	<u>-0.9</u>	<u>0.0</u>			2.6	9.0	6.4
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	5	<u>-0.9</u>	<u>0.0</u>			2.6	11.0	8.4
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	10	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	7.2	2.8
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	7	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	10.2	5.8
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	5	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	11.0	6.5
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	11	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>	<u>-1.8</u>	4.5	6.0	1.5
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	8	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>	<u>-1.8</u>	4.5	9.0	4.5
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	6	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>	<u>-1.8</u>	4.5	10.8	6.2
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>-1.9</u>	<u>-0.9</u>			1.6	9.0	7.4
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>-0.9</u>	<u>0.0</u>			2.6	11.0	8.4
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-5.9</u>	<u>-5.4</u>	<u>-5.8</u>		-0.9	7.2	8.2



	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>-3.1</u>	<u>-2.0</u>	<u>-2.5</u>		2.3	10.2	8.0
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	11.0	6.5
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-8.1</u>	<u>-7.3</u>	<u>-7.8</u>	<u>-7.5</u>	-1.6	6.0	7.6
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>-4.7</u>	<u>-4.4</u>	<u>-4.9</u>	<u>-4.3</u>	1.5	9.0	7.5
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>-3.1</u>	<u>-2.0</u>	<u>-2.5</u>	<u>-2.9</u>	3.4	10.8	7.3
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>-0.9</u>	<u>0.0</u>			2.6	11.0	8.4
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	3	7	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	10.2	5.8
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	8	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>	<u>-1.8</u>	4.5	9.0	4.5
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>2.7</u>				2.7	11.0	8.3
	Non HT/VHT40, 6 to 54 Mbps	2	8	<u>2.7</u>	<u>3.7</u>			6.2	9.0	2.8
	Non HT/VHT40, 6 to 54 Mbps	3	10	<u>1.9</u>	<u>2.4</u>	<u>2.5</u>		7.0	7.2	0.2
	Non HT/VHT40, 6 to 54 Mbps	4	11	<u>-0.5</u>	<u>0.0</u>	<u>0.1</u>	<u>-0.2</u>	5.9	6.0	0.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	5	<u>1.9</u>				1.9	11.0	9.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	8	<u>1.9</u>	<u>3.0</u>			5.5	9.0	3.5
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	5	<u>1.9</u>	<u>3.0</u>			5.5	11.0	5.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	10	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>		6.0	7.2	1.2
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	7	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>		7.3	10.2	2.9
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	5	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>		7.3	11.0	3.7
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	11	<u>-1.0</u>	<u>-0.8</u>	<u>-0.9</u>	<u>-1.0</u>	5.1	6.0	0.9
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	8	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>	<u>1.3</u>	7.3	9.0	1.7
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	6	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>	<u>1.3</u>	7.3	10.8	3.5
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>0.8</u>	<u>1.5</u>			4.2	9.0	4.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>1.9</u>	<u>3.0</u>			5.5	11.0	5.5
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-3.2</u>	<u>-2.8</u>	<u>-2.7</u>		1.9	7.2	5.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>-0.1</u>	<u>0.5</u>	<u>0.1</u>		4.9	10.2	5.3
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>		7.3	11.0	3.7
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-4.9</u>	<u>-4.8</u>	<u>-4.7</u>	<u>-4.6</u>	1.3	6.0	4.7
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>-2.2</u>	<u>-1.7</u>	<u>-1.8</u>	<u>-2.3</u>	4.0	9.0	5.0
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>-0.1</u>	<u>0.5</u>	<u>0.1</u>	<u>0.2</u>	6.2	10.8	4.5
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>1.9</u>	<u>3.0</u>			5.5	11.0	5.5
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	7	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>		7.3	10.2	2.9
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	8	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>	<u>1.3</u>	7.3	9.0	1.7



5320	Non HT/VHT20, 6 to 54 Mbps	1	5	<u>4.9</u>				4.9	11.0	6.1
	Non HT/VHT20, 6 to 54 Mbps	2	8	<u>4.9</u>	<u>5.4</u>			8.2	9.0	0.8
	Non HT/VHT20, 6 to 54 Mbps	3	10	<u>1.9</u>	<u>2.1</u>	<u>2.0</u>		6.8	7.2	0.5
	Non HT/VHT20, 6 to 54 Mbps	4	11	<u>-0.7</u>	<u>-0.8</u>	<u>-1.4</u>	<u>-0.7</u>	5.1	6.0	0.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	<u>3.8</u>	<u>4.3</u>			7.1	9.0	1.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	<u>0.1</u>	<u>0.1</u>	<u>-0.2</u>		4.8	7.2	2.5
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	<u>-1.6</u>	<u>-1.4</u>	<u>-2.0</u>	<u>-1.4</u>	4.4	6.0	1.6
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	<u>4.9</u>				4.9	11.0	6.1
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	8	<u>4.9</u>	<u>5.5</u>			8.2	9.0	0.8
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	<u>4.9</u>	<u>5.5</u>			8.2	11.0	2.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	10	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>		6.8	7.2	0.4
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	7	<u>4.9</u>	<u>5.5</u>	<u>5.2</u>		10.0	10.2	0.3
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	<u>4.9</u>	<u>5.5</u>	<u>5.2</u>		10.0	11.0	1.0
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	11	<u>-1.0</u>	<u>-0.9</u>	<u>-1.2</u>	<u>-1.1</u>	5.0	6.0	1.0
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	8	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>	<u>2.0</u>	8.1	9.0	0.9
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	6	<u>3.5</u>	<u>4.5</u>	<u>3.8</u>	<u>4.1</u>	10.0	10.8	0.7
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>3.5</u>	<u>4.5</u>			7.0	9.0	2.0
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>4.9</u>	<u>5.5</u>			8.2	11.0	2.8
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-0.1</u>	<u>0.2</u>	<u>-0.4</u>		4.7	7.2	2.6
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>2.7</u>	<u>3.5</u>	<u>2.9</u>		7.8	10.2	2.4
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>4.9</u>	<u>5.5</u>	<u>5.2</u>		10.0	11.0	1.0
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-1.4</u>	<u>-1.7</u>	<u>-2.2</u>	<u>-1.9</u>	4.2	6.0	1.7
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>1.1</u>	<u>1.1</u>	<u>0.8</u>	<u>1.0</u>	7.0	9.0	2.0
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>2.7</u>	<u>3.5</u>	<u>2.9</u>	<u>3.1</u>	9.1	10.8	1.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>4.9</u>	<u>5.5</u>			8.2	11.0	2.8
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	7	<u>4.9</u>	<u>5.5</u>	<u>5.2</u>		10.0	10.2	0.3
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	8	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>	<u>2.0</u>	8.1	9.0	0.9

Peak Output Power / PSD, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps**Antenna A**

Peak Output Power / PSD, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps**Antenna A****Antenna B**



Peak Output Power / PSD, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps



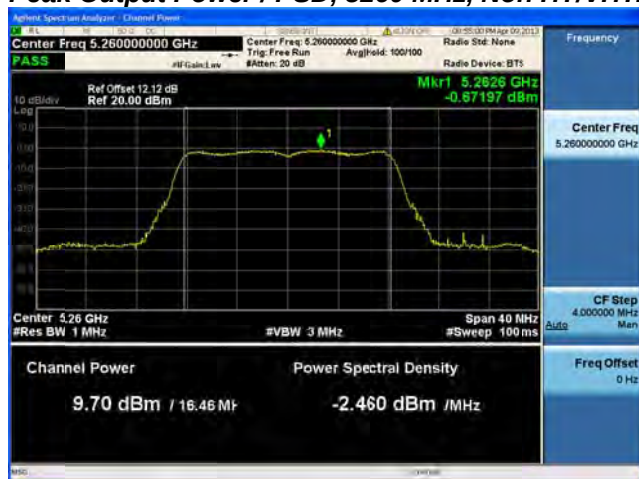
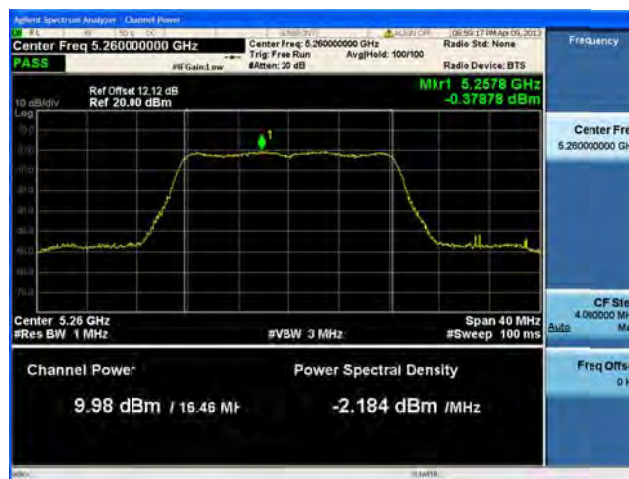
Antenna A



Antenna B



Antenna C

Peak Output Power / PSD, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5260 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps



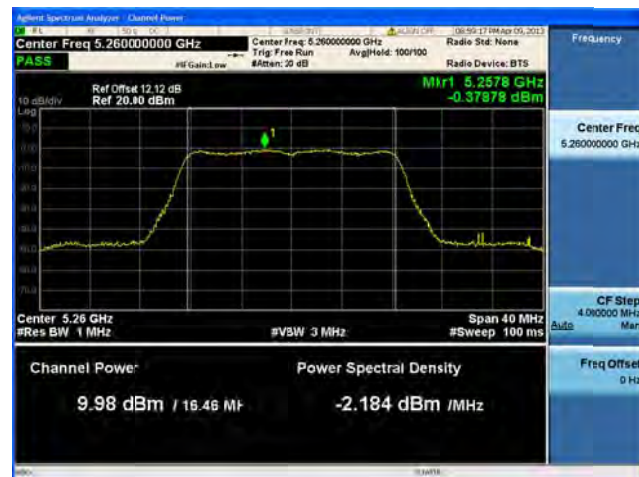
Antenna A

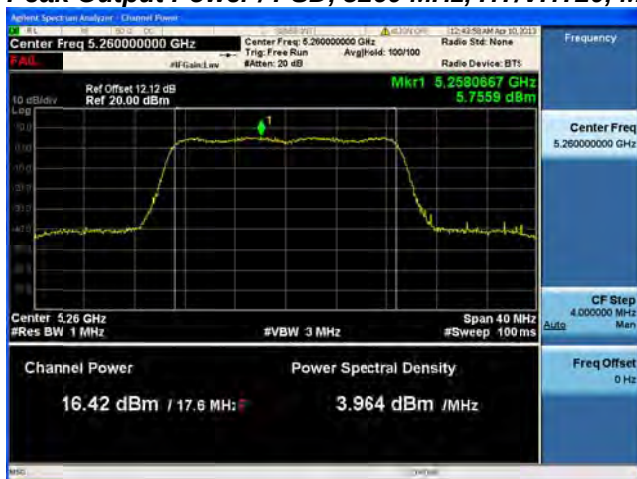


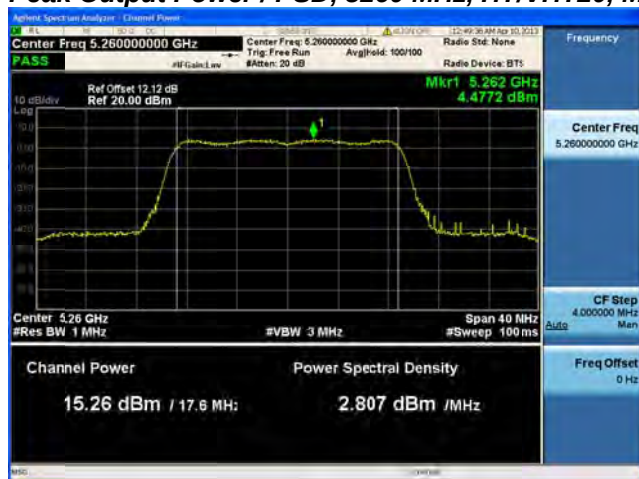
Antenna B



Antenna C

Peak Output Power / PSD, 5260 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5260 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A**

Peak Output Power / PSD, 5260 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2



Antenna A



Antenna B

Peak Output Power / PSD, 5260 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1



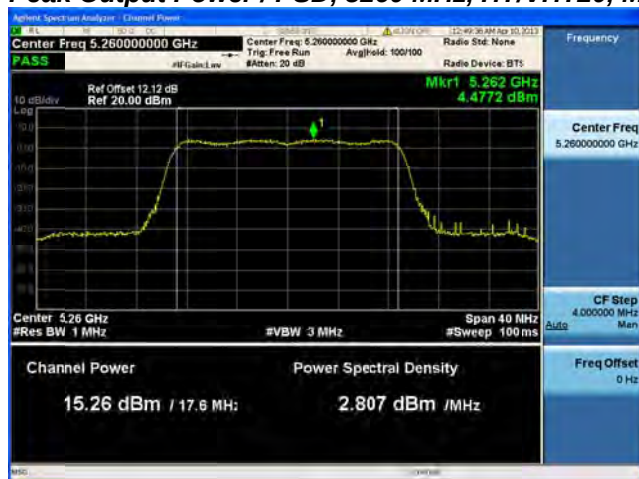
Antenna A

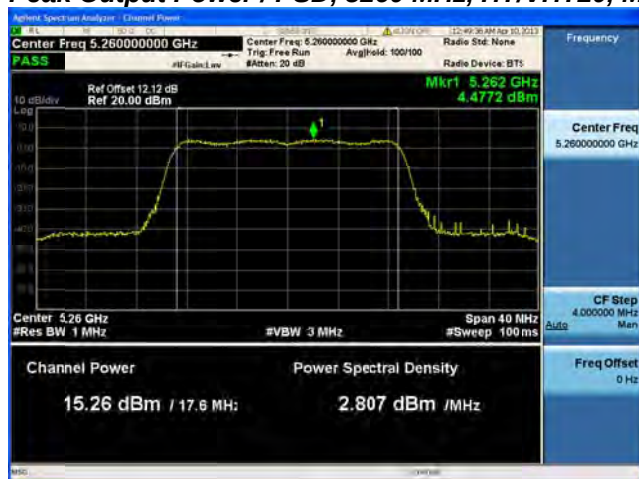


Antenna B



Antenna C

Peak Output Power / PSD, 5260 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5260 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

Rohde & Schwarz FSWP200 Spectrum Analyzer
 Center Freq 5.260000000 GHz
 Span 40 MHz
 Res BW 1 MHz
 Channel Power 9.67 dBm / 17.6 MHz
 Power Spectral Density -2.791 dBm / MHz
 Frequency 5.260000000 GHz
 CF Step 4.000000 MHz
 Freq Offset 0 Hz

Active Spectrum Analyzer - Channel 1

RF 5.26 GHz Sweep 100 ms Span 40 MHz Res BW 1 MHz VSWR 3 MHz

Center Freq 5.26000000 GHz Trig Free Run Avg/Hold: 100/100 Radio Std: None Radio Device: BTS 01:24:58 AM Apr 10, 2013

Frequency

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

Audio

Freq Offset 0 Hz

Channel Power: 10.29 dBm / 17.8 MHz

Power Spectral Density: -2.163 dBm / MHz

Mkr1 5.2676 GHz -0.41513 dBm

10 dB/dB

Ref Off 12.12 dB

Ref 20.40 dBm

#F Gain Low

#F Atten: 20 dB

Center 5.26 GHz

#Res BW 1 MHz

#VSW 3 MHz

Span 40 MHz

#Sweep 100 ms

130.0

120.0

110.0

100.0

90.0

80.0

70.0

5.25

5.26

5.27

MHz

Vector Signal Analyzer - Channel Power

Center Freq 5.260000000 GHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm

Center Freq: 5.260000000 GHz
 Trig: Free Run
 #Att: 20 dB

Avg Hold: 100/100
 Radio Sts: None
 Radio Device: BT1

Frequency 5.260000000 GHz

Mkr1 5.2620867 GHz
 -0.50721 dBm

10 dB/div
 Log

Center 5.26 GHz
 #Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz
 #Sweep 100 ms

Channel Power
 10.08 dBm / 17.6 MHz

Power Spectral Density
 -2.377 dBm / MHz

CF Step 4.000000 MHz
 Auto Man

Freq Offset 0 Hz

Channel Power: 10.06 dBm / 17.6 MHz

Power Spectral Density: -2.393 dBm / MHz

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The screenshot shows a Rohde & Schwarz Spectrum Analyzer interface. The main display area shows a signal trace with a prominent peak at 5.2676 GHz, marked with a green cursor labeled 'Mkr1'. The trace is plotted on a grid with a logarithmic scale for the vertical axis (dBm) and a linear scale for the horizontal axis (Frequency). The signal is centered at 5.260000000 GHz with a span of 40 MHz. The resolution bandwidth (Res BW) is 1 MHz, and the video bandwidth (VBW) is 3 MHz. The sweep time is 100 ms. The channel power is 12.42 dBm, and the power spectral density is -0.03810 dBm/MHz. The display also shows various settings such as Center Freq, Span, Res BW, VBW, Sweep, and Channel Power.

Key parameters displayed:

- Center Freq: 5.260000000 GHz
- Span: 40 MHz
- Res BW: 1 MHz
- VBW: 3 MHz
- Sweep: 100 ms
- Channel Power: 12.42 dBm / 17.6 MHz
- Power Spectral Density: -0.03810 dBm / MHz
- Center Freq (Mkr1): 5.2676 GHz
- Frequency Offset: 2.0231 dBm

Advent Spectrum Analyzer - Channel View

REF 10.00000000 GHz 1.00000000 dBm 0.00000000 dBm

Center Freq 5.26000000 GHz

PASS #Gain Low #Atten: 20 dB

Center Freq 5.26000000 GHz

Trig Pres Run Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

Mkr1 5.2679667 GHz 2.7915 dBm

10 dB/div

Ref Offst 12.12 dB Ref 20.90 dBm

Center 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power: 13.28 dBm / 17.8 MHz

Power Spectral Density 0.8202 dBm / MHz

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

Audio

Freq Offset 0 Hz

[illegible]

Software: **SDR#** | Version: **1.0.0.0** | Date: **2013-04-10** | Time: **10:50 AM** | Location: **01**

Channel Power: **12.77 dBm / 17.6 MHz** | **Power Spectral Density:** **0.3104 dBm / MHz**

Center Freq: **5.260000000 GHz** | **Radio Std:** **None** | **Frequency:** **5.260000000 GHz**

PASS | **#F Gain:** **1.00** | **Trig Freq Run:** **100/H00** | **Radio Device:** **BTS**

Ref Offset: **12.12 dB** | **Ref:** **20.90 dBm** | **Mkr1:** **5.2674667 GHz** | **2.0128 dBm**

Center: **5.26 GHz** | **Span:** **40 MHz** | **CF Step:** **4.000000 MHz**

#Res BW: **1 MHz** | **#VBW:** **3 MHz** | **#Sweep:** **100 ms** | **Auto**

Freq Offset: **0 Hz**

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Software: Spectrum Analyzer - Channel Power
 Center Freq 5.260000000 GHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm
 Center Freq 5.260000000 GHz
 Trig: Free Run
 AvgHold: 100/100
 Radio Std: None
 Radio Device: BT5
 Frequency
 Center Freq 5.260000000 GHz
 CF Step 4.000000 MHz
 Span 40 MHz
 #Sweep 100 ms
 Channel Power
 14.31 dBm / 17.6 MHz
 Power Spectral Density
 1.854 dBm /MHz
 Frequency
 CF Step 4.000000 MHz
 Span 40 MHz
 #Sweep 100 ms
 Channel Power
 14.31 dBm / 17.6 MHz
 Power Spectral Density
 1.854 dBm /MHz

Advent Spectrum Analyzer - Channel View

Center Freq 5.26000000 GHz
 #Ref 12.12 dB
 #Ref 20.40 dBm
 #Gain Low
 #Trig Free Run
 #Atten: 20 dB
 Avg/Hold: 100/100
 Radio Std: None
 Radio Device: BTS

Mkr1 5.2615333 GHz
 4.6227 dBm

10 dB/Div
 130.0
 120.0
 110.0
 100.0
 90.0
 80.0
 70.0

Center 5.26 GHz
 #Res BW 1 MHz
 #VBW 3 MHz
 Span 40 MHz
 #Sweep 100 ms

Channel Power: 15.41 dBm / 17.8 MHz
 Power Spectral Density: 2.949 dBm / MHz

Vector Signal Analyzer - Channel Power

Center Freq 5.260000000 GHz
 #Res BW 1 MHz
 Span 40 MHz
 #Sweep 100 ms

Center Freq: 5.260000000 GHz
 Trig: Free Run
 Avg: Hold: 100/100
 #Atten: 20 dB

Radio Std: None
 Radio Device: BT5

Ref Offset 12.12 dB
 Ref 20.00 dBm

Mkr1 5.2625333 GHz
 4.7562 dBm

Channel Power
 15.25 dBm / 17.6 MHz

Power Spectral Density
 2.799 dBm / MHz

Frequency
 Center Freq
 5.260000000 GHz

CF Step
 4.000000 MHz

Freq Offset
 0 Hz

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz

PASS

Ref Offset 12.12 dB
Ref 20.0 dBm

Center Freq: 5.260000000 GHz
Trig: Free Run
Avg/Hold: 100/H00
#Att: 20 dB

Radio Device: BTS

Mkr1 5.2577333 GHz
3.9615 dBm

10 dB/div
Log

Center Freq 5.260000000 GHz

CF Step 4.000000 MHz

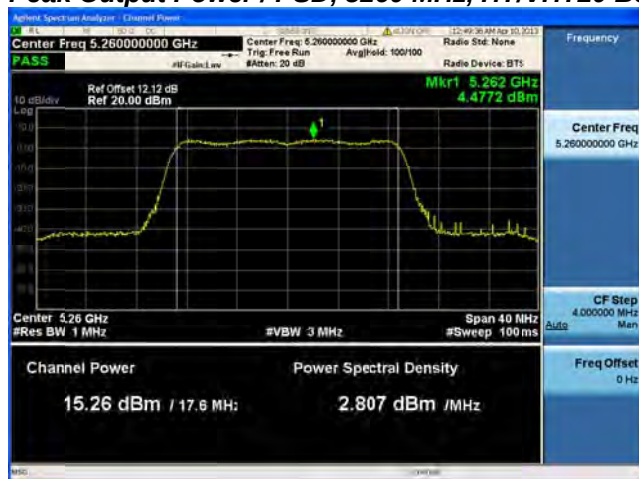
Channel Power: 14.76 dBm / 17.6 MHz

Power Spectral Density 2.303 dBm / MHz

Span 40 MHz
#Res BW 1 MHz
#VBW 3 MHz
#Sweep 100 ms

Freq Offset 0 Hz

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Peak Output Power / PSD, 5260 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2

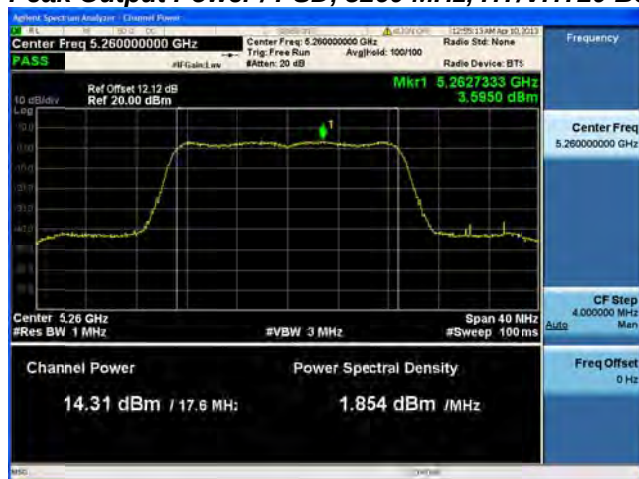


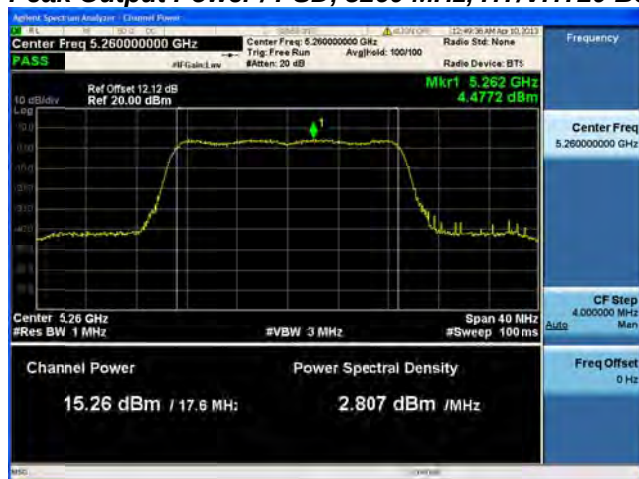
Antenna A



Antenna B

Peak Output Power / PSD, 5260 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5260 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5260 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

Rohde & Schwarz FSWP2 Spectrum Analyzer. Channel Power
 Center Freq 5.260000000 GHz
 Span 40 MHz
 Res BW 1 MHz
 #Sweep 100 ms
 #VBW 3 MHz
 Channel Power: 9.67 dBm / 17.6 MHz
 Power Spectral Density: -2.791 dBm / MHz
 Frequency: 5.260000000 GHz
 Center Freq: 5.260000000 GHz
 CF Step: 4.000000 MHz
 Freq Offset: 0 Hz
 Mkr1: 5.262867 GHz
 -0.95233 dBm
 Ref Offset 12.12 dB
 Ref 20.00 dBm
 #F Gain 1.00
 #Att 20 dB
 Avg Hold: 100/100
 Radio Std: None
 Radio Device: BT3

Advent Spectrum Analyzer - Default View

Center Freq 5.26000000 GHz

Ref 20.00 dBm

10 dB/div

Center Freq 5.26000000 GHz

Ref 20.00 dBm

Span 40 MHz

Sweep 100 ms

Channel Power: 10.29 dBm / 17.8 MHz

Power Spectral Density -2.163 dBm / MHz

Frequency

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

Audio

Freq Offset 0 Hz

Vector Signal Analyzer - Channel Power

Center Freq 5.260000000 GHz

PASS

Ref Offset 12.12 dB

Ref 20.00 dBm

Center Freq: 5.260000000 GHz

Trig: Free Run

Avg/hold: 100/100

Radio Sts: None

Radio Device: BT1

Frequency

Center Freq 5.260000000 GHz

CF Step 4.000000 MHz

Auto

Man

Freq Offset 0 Hz

Channel Power

Power Spectral Density

10.08 dBm / 17.6 MHz

-2.377 dBm / MHz

Span 40 MHz

#Res BW 1 MHz

#VBW 3 MHz

#Sweep 100 ms

LdBm

Mkr1 5.2620867 GHz -0.50721 dBm

Channel Power: 10.06 dBm / 17.6 MHz

Power Spectral Density: -2.393 dBm / MHz

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Peak Output Power / PSD, 5260 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**

Software: Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz

Center Freq: 5.260000000 GHz

Trig: Free Run

AvgHold: 100/100

Radio Std: None

Radio Device: BT

Frequency

Center Freq 5.260000000 GHz

CF Step 4.000000 MHz

Auto

Manual

Freq Offset 0 Hz

PASS

Ref Offset 12.12 dB

Ref 20.00 dBm

Mkr1 5.2627333 GHz

5.2650 dBm

10 dB/div

1

Center 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power

Power Spectral Density

14.31 dBm / 17.6 MHz

1.854 dBm / MHz

MSO

CH1

Agilent Spectrum Analyzer - Channel 1

Center Freq 5.260000000 GHz

PASS

Ref Offd 12.12 dB
Ref 20.90 dBm

Center Freq 5.260000000 GHz
Trig Free Run
Avg/Hold: 100/100
Radio Std: None
Radio Device: BTS

10 dB/div

Center Freq 5.2615333 GHz
4.6227 dBm

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

Channel Power: 15.41 dBm / 17.8 MHz

Power Spectral Density 2.949 dBm / MHz

Freq Offset 0 Hz

Vector Signal Analyzer - Channel Power

Center Freq 5.260000000 GHz

PASS

Ref Offset 12.12 dB

Ref 20.00 dBm

Center Freq: 5.260000000 GHz

Trig: Free Run

Avg: Hold: 100/100

Radio Stn: Device

Radio Device: BT1

Frequency

Center Freq 5.260000000 GHz

CF Step 4.000000 MHz

Span 40 MHz

#Res BW 1 MHz

#VBW 3 MHz

#Sweep 100 ms

Channel Power

Power Spectral Density

15.25 dBm / 17.6 MHz

2.799 dBm / MHz

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz

PASS

Ref Offset 12.12 dB
Ref 20.0 dBm

Center Freq: 5.260000000 GHz
Trig: Free Run
Avg/Hold: 100/H00
Radio Device: BTS

Mkr1 5.2577333 GHz
3.9615 dBm

10.0 dBm
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.0
-8.0
-9.0
-10.0

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

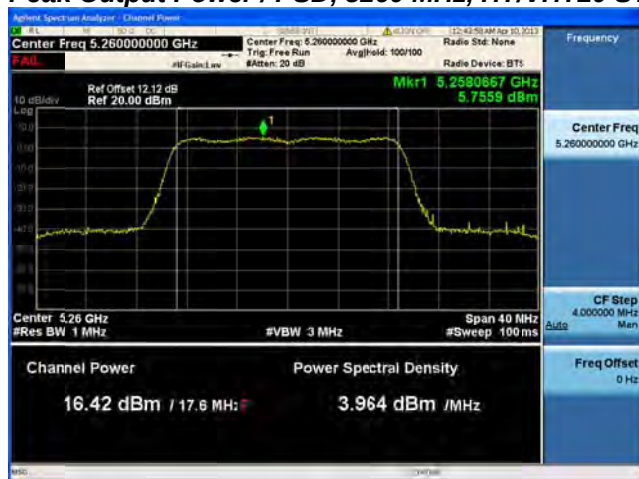
Span 40 MHz
#Res BW 1 MHz
#VBW 3 MHz
#Sweep 100 ms

Channel Power: 14.76 dBm / 17.6 MHz

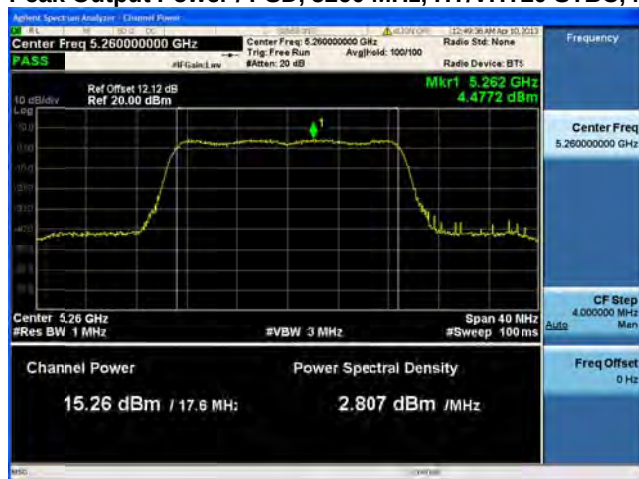
Power Spectral Density 2.303 dBm / MHz

Freq Offset 0 Hz

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Peak Output Power / PSD, 5260 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1



Antenna A



Antenna B



Antenna C

Peak Output Power / PSD, 5260 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A**

Peak Output Power / PSD, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps



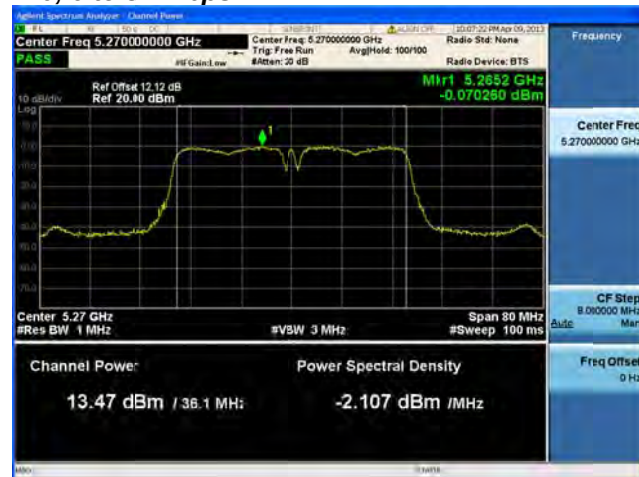
Antenna A



Antenna B



Antenna C

**Peak Output Power / PSD, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A**

Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

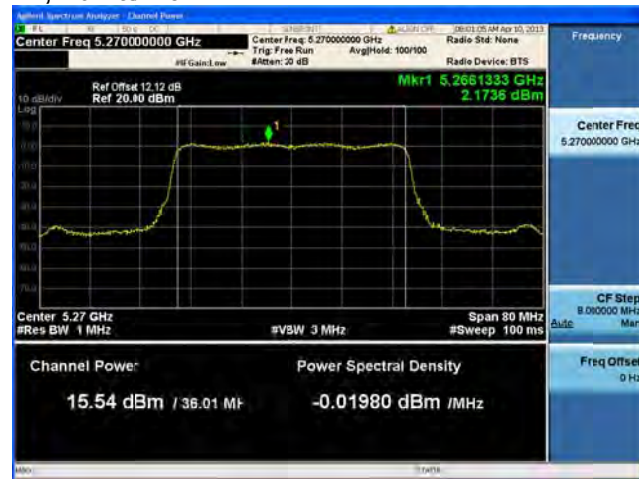
Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2



Antenna A

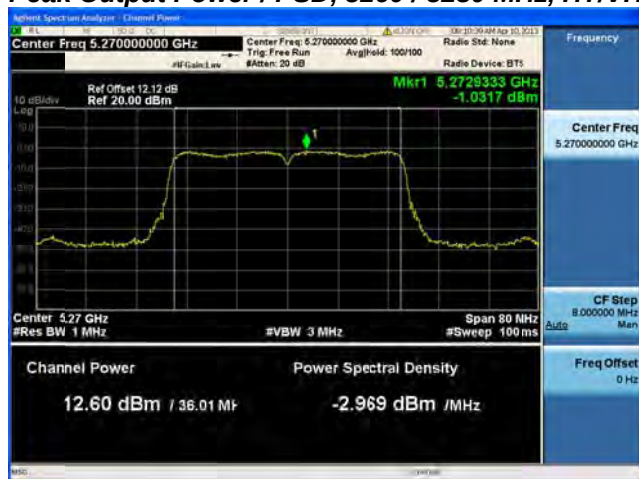
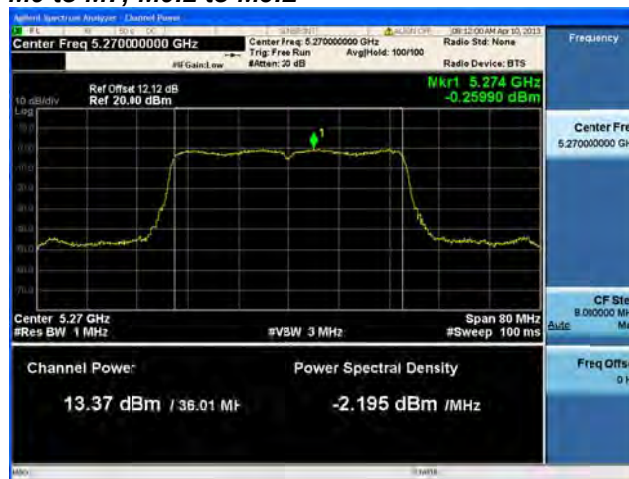


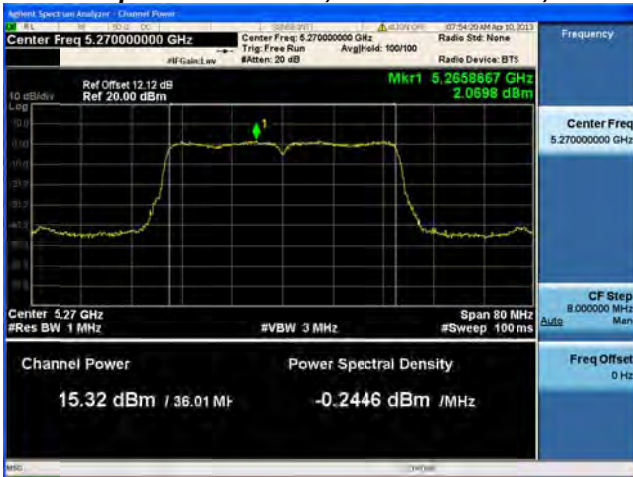
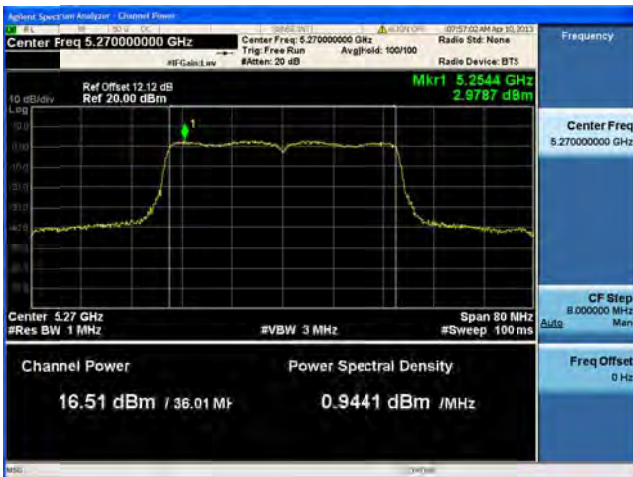
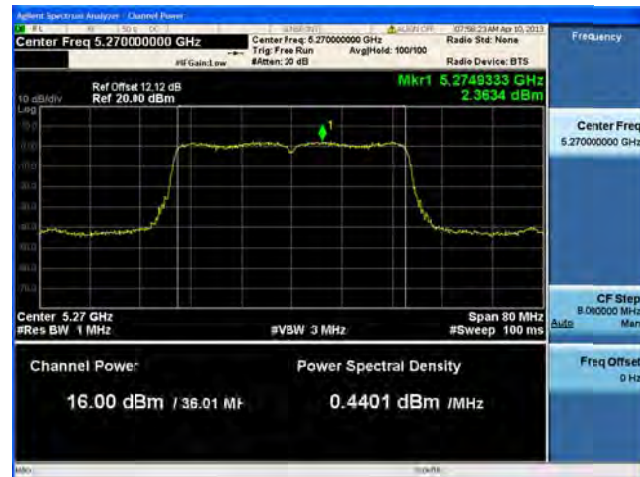
Antenna B

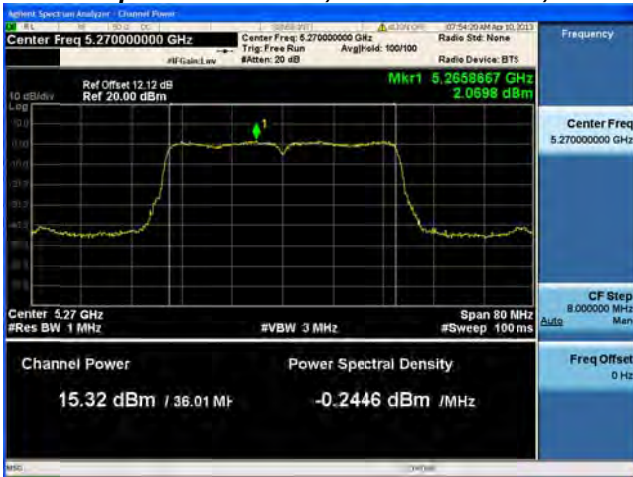
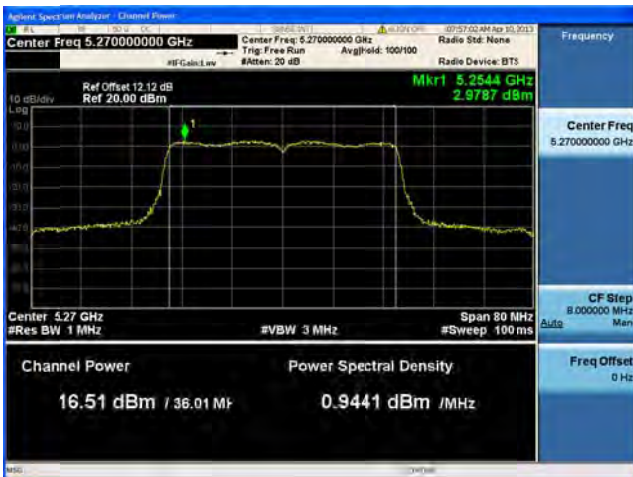
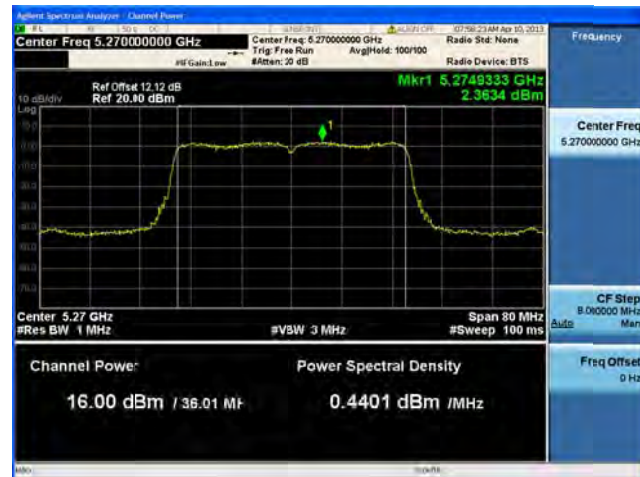
**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

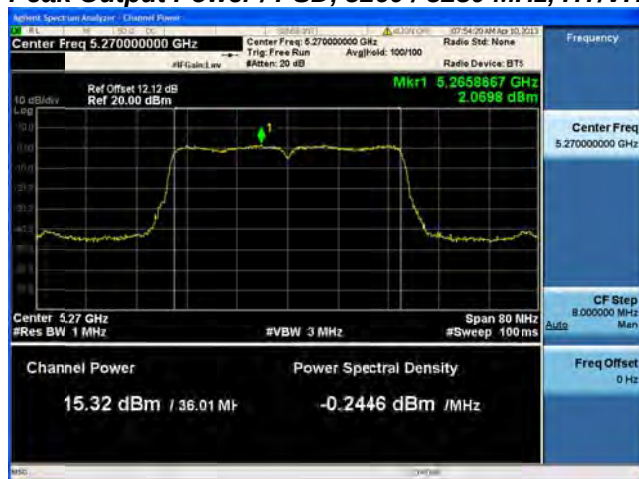
**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2



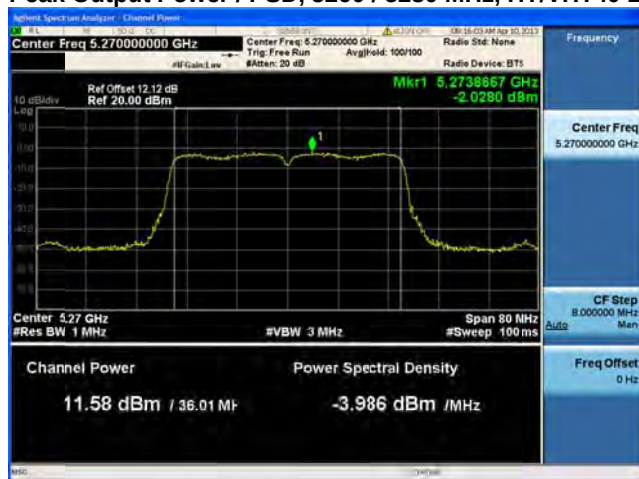
Antenna A



Antenna B



Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1



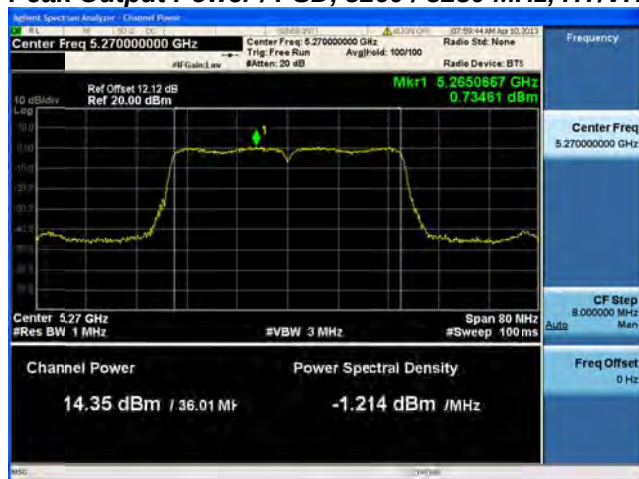
Antenna A



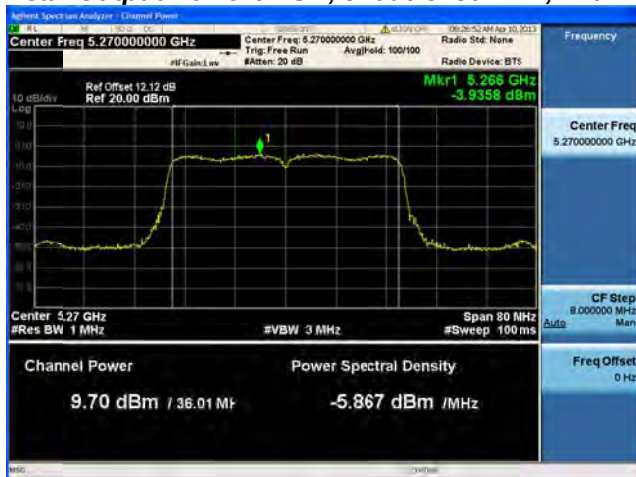
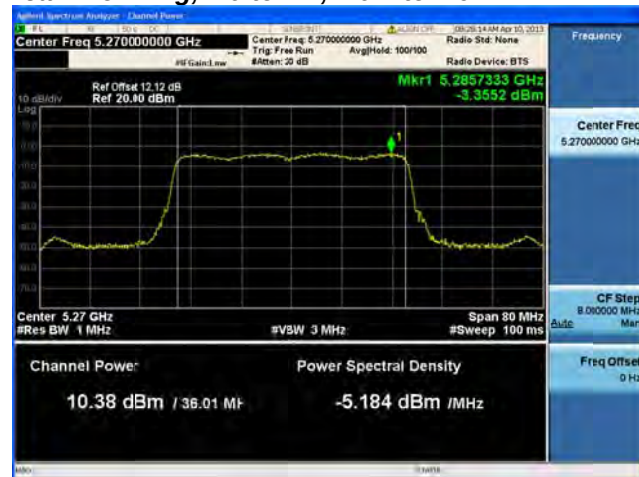
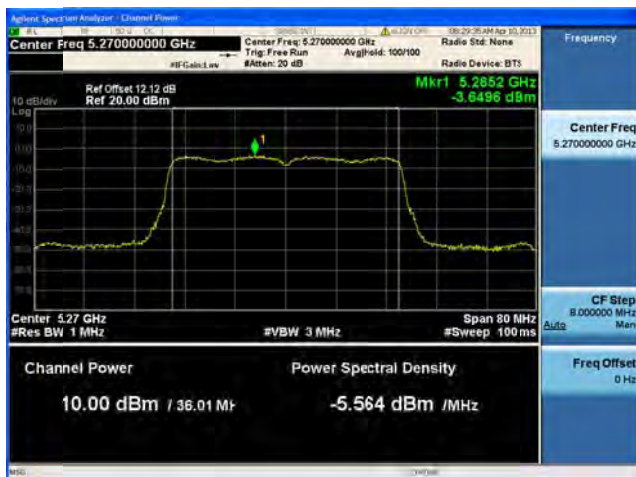
Antenna B

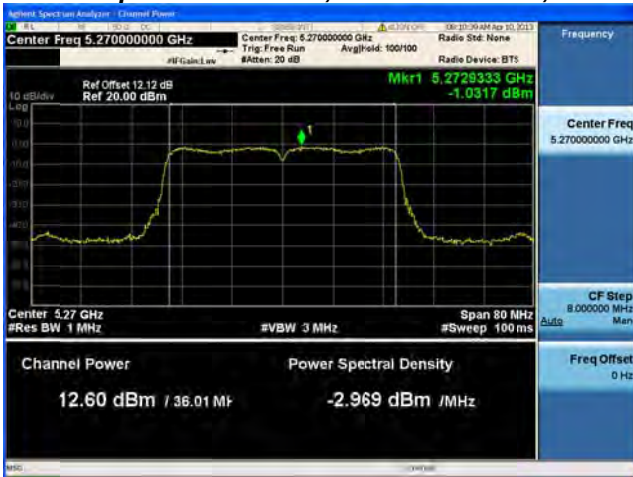


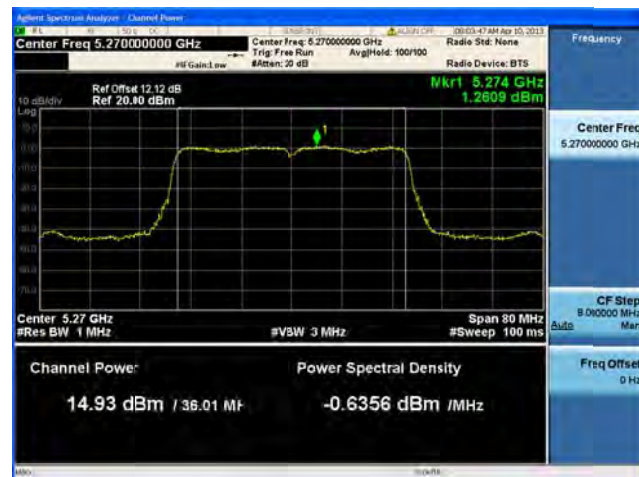
Antenna C

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

Software: Spectrum Analyzer - Channel Power

Center Freq 5.270000000 GHz

Ref Offset 12.12 dB
Ref 20.00 dBm

Center Freq: 5.270000000 GHz
Trig: Free Run
Avg/Std: 100/100
Radio Device: BTS

Frequency

Center Freq 5.270000000 GHz

CF Step 8.000000 MHz

Audio

Freq Offset 0 Hz

Channel Power

Power Spectral Density

15.32 dBm / 36.01 MHz

-0.2446 dBm / MHz

Span 80 MHz
#Sweep 100 ms

#VBW 3 MHz

#Res BW 1 MHz

#F Grid 100

Mkr1 5.269867 GHz
2.0698 dBm

10 dB/div

0 dB

10 dB

20 dB

30 dB

40 dB

50 dB

60 dB

70 dB

80 dB

90 dB

100 dB

110 dB

120 dB

130 dB

140 dB

150 dB

160 dB

170 dB

180 dB

190 dB

200 dB

210 dB

220 dB

230 dB

240 dB

250 dB

260 dB

270 dB

280 dB

290 dB

300 dB

310 dB

320 dB

330 dB

340 dB

350 dB

360 dB

370 dB

380 dB

390 dB

400 dB

410 dB

420 dB

430 dB

440 dB

450 dB

460 dB

470 dB

480 dB

490 dB

500 dB

510 dB

520 dB

530 dB

540 dB

550 dB

560 dB

570 dB

580 dB

590 dB

600 dB

610 dB

620 dB

630 dB

640 dB

650 dB

660 dB

670 dB

680 dB

690 dB

700 dB

710 dB

720 dB

730 dB

740 dB

750 dB

760 dB

770 dB

780 dB

790 dB

800 dB

810 dB

820 dB

830 dB

840 dB

850 dB

860 dB

870 dB

880 dB

890 dB

900 dB

910 dB

920 dB

930 dB

940 dB

950 dB

960 dB

970 dB

980 dB

990 dB

1000 dB

1010 dB

1020 dB

1030 dB

1040 dB

1050 dB

1060 dB

1070 dB

1080 dB

1090 dB

1100 dB

1110 dB

1120 dB

1130 dB

1140 dB

1150 dB

1160 dB

1170 dB

1180 dB

1190 dB

1200 dB

1210 dB

1220 dB

1230 dB

1240 dB

1250 dB

1260 dB

1270 dB

1280 dB

1290 dB

1300 dB

1310 dB

1320 dB

1330 dB

1340 dB

1350 dB

1360 dB

1370 dB

1380 dB

1390 dB

1400 dB

1410 dB

1420 dB

1430 dB

1440 dB

1450 dB

1460 dB

1470 dB

1480 dB

1490 dB

1500 dB

1510 dB

1520 dB

1530 dB

1540 dB

1550 dB

1560 dB

1570 dB

1580 dB

1590 dB

1600 dB

1610 dB

1620 dB

1630 dB

1640 dB

1650 dB

1660 dB

1670 dB

1680 dB

1690 dB

1700 dB

1710 dB

1720 dB

1730 dB

1740 dB

1750 dB

1760 dB

1770 dB

1780 dB

1790 dB

1800 dB

1810 dB

1820 dB

1830 dB

1840 dB

1850 dB

1860 dB

1870 dB

1880 dB

1890 dB

1900 dB

1910 dB

1920 dB

1930 dB

1940 dB

1950 dB

1960 dB

1970 dB

1980 dB

1990 dB

2000 dB

2010 dB

2020 dB

2030 dB

2040 dB

2050 dB

2060 dB

2070 dB

2080 dB

2090 dB

2100 dB

2110 dB

2120 dB

2130 dB

2140 dB

2150 dB

2160 dB

2170 dB

2180 dB

2190 dB

2200 dB

2210 dB

2220 dB

2230 dB

2240 dB

2250 dB

2260 dB

2270 dB

2280 dB

2290 dB

2300 dB

2310 dB

2320 dB

2330 dB

2340 dB

2350 dB

2360 dB

2370 dB

2380 dB

2390 dB

2400 dB

2410 dB

2420 dB

2430 dB

2440 dB

2450 dB

2460 dB

2470 dB

2480 dB

2490 dB

2500 dB

2510 dB

2520 dB

2530 dB

2540 dB

2550 dB

2560 dB

2570 dB

2580 dB

2590 dB

2600 dB

2610 dB

2620 dB

2630 dB

2640 dB

2650 dB

2660 dB

2670 dB

2680 dB

2690 dB

2700 dB

2710 dB

2720 dB

2730 dB

2740 dB

2750 dB

2760 dB

2770 dB

2780 dB

2790 dB

2800 dB

2810 dB

2820 dB

2830 dB

2840 dB

2850 dB

2860 dB

2870 dB

2880 dB

2890 dB

2900 dB

2910 dB

2920 dB

2930 dB

2940 dB

2950 dB

2960 dB

2970 dB

2980 dB

2990 dB

3000 dB

3010 dB

3020 dB

3030 dB

3040 dB

3050 dB

3060 dB

3070 dB

3080 dB

3090 dB

3100 dB

3110 dB

3120 dB

3130 dB

3140 dB

3150 dB

3160 dB

3170 dB

3180 dB

3190 dB

3200 dB

3210 dB

3220 dB

3230 dB

3240 dB

3250 dB

3260 dB

3270 dB

3280 dB

3290 dB

3300 dB

3310 dB

3320 dB

3330 dB

3340 dB

3350 dB

3360 dB

3370 dB

3380 dB

3390 dB

3400 dB

3410 dB

3420 dB

3430 dB

3440 dB

3450 dB

Vector Signal Analyzer - Channel 1

REF 1 5.27 GHz

Center Freq 5.270000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

#F Gain Low

#F Gain: 20 dB

Ref Offd 12.12 dB

Ref 20.40 dBm

Mkr1 5.2856 GHz

2.9941 dBm

10 dB/div

Log

Center 5.27 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 80 MHz

#Sweep 100 ms

Channel Power:

Power Spectral Density

16.64 dBm / 36.01 MHz

1.076 dBm / MHz

CF Step 8.000000 MHz

Auto

Freq Offset 0 Hz

The screenshot displays a spectrum analyzer interface with the following details:

- Title Bar:** Active Spectrum Analyzer - Channel Power
- Top Panel:**
 - Center Freq: 5.270000000 GHz
 - Ref Offset 12.12 dB
 - Ref 20.00 dBm
 - Trig: Free Run
 - Avg/hold: 100/100
 - Radio Device: BT3
 - Frequency: 5.270000000 GHz
- Main Plot Area:**
 - Y-axis: 10 dB/div
 - X-axis: Span 80 MHz, #Res BW 1 MHz, #Sweep 100 ms
 - Signal peak labeled "Mkr1 5.2544 GHz 2.9787 dBm"
 - Channel Power: 16.51 dBm / 36.01 MHz
 - Power Spectral Density: 0.9441 dBm / MHz
- Right Panel:**
 - CF Step: 8.000000 MHz
 - Freq Offset: 0 Hz

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.270000000 GHz

Ref Offset 12.12 dB
Ref 20.90 dBm

Center Freq: 5.270000000 GHz
Trig Freq Run
Avg/Hold: 100/H00
Radio Std: None
Radio Device: BTS

#dB Gain: 1.00

#dBm: 20.0

Mkr1 5.2749333 GHz
2.3634 dBm

Center 5.27 GHz
#Res BW 1 MHz

#VBW 3 MHz

Span 80 MHz
#Sweep 100 ms

Channel Power: 16.00 dBm / 36.01 MHz

Power Spectral Density: 0.4401 dBm / MHz

CF Step 8.000000 MHz
Auto

Freq Offset 0 Hz

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Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps**Antenna A**

Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps**Antenna A****Antenna B**

**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

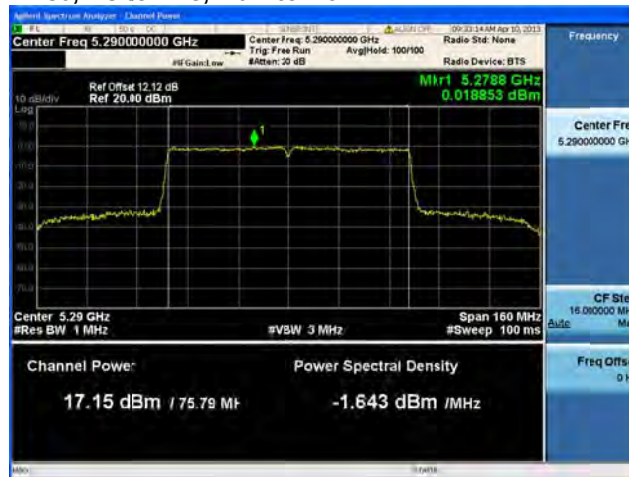
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1**Antenna A**

Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2



Antenna A



Antenna B



Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1



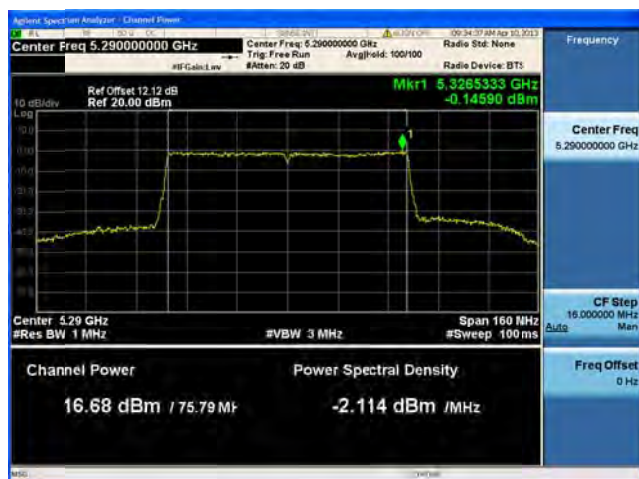
Antenna A

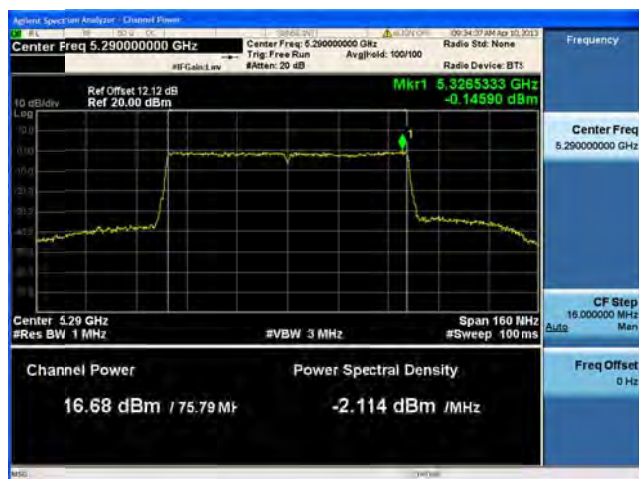


Antenna B



Antenna C

Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

Rohde & Schwarz Spectrum Analyzer - Channel F2
 Center Freq 5.290000000 GHz
 #F Grid Line
 Ref Offset 12.12 dB
 Ref 20.00 dBm
 Center Freq: 5.290000000 GHz
 Trig: Free Run
 #atten: 20 dB
 Radio Std: None
 AvgHold: 100/100
 Radio Device: BT3
 Frequency
 Center Freq: 5.290000000 GHz
 CF Step: 16.000000 MHz
 #VBW 3 MHz
 Span 160 MHz
 #Sweep 100 ms
 Channel Power
 15.07 dBm / 75.79 MHz
 Power Spectral Density
 -3.727 dBm / MHz
 Freq Offset: 0 Hz

[illegible]

Vector Signal Analyzer - Channel Power

Center Freq 5.290000000 GHz

Ref Offset 12.12 dB
Ref 20.00 dBm

Center Freq: 5.290000000 GHz
Trig: Free Run
Ave/hold: 100/100
Radio Std: None
Radio Device: BT1

Frequency

Center Freq
5.290000000 GHz

CF Step
15.000000 MHz

Channel Power

Power Spectral Density

15.47 dBm / 75.79 MHz

-3.328 dBm / MHz

Freq Offset
0 Hz

Channel Power: 15.43 dBm / 75.79 mW

Power Spectral Density: -3.366 dBm / MHz

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Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**

[illegible][illegible]

Vector Signal Analyzer - Channel Power

Center Freq 5.290000000 GHz

Ref Offset 12.12 dB
Ref 20.00 dBm

Center Freq: 5.290000000 GHz
Trig: Free Run
Ave/hold: 100/100
Radio Std: None
Radio Device: BT

Frequency

Center Freq
5.290000000 GHz

CF Step
15.000000 MHz

Span 160 MHz
#Res BW 1 MHz
#VBW 3 MHz
#Sweep 100 ms

Channel Power

Power Spectral Density

15.47 dBm / 75.79 MHz

-3.328 dBm / MHz

Freq Offset
0 Hz

Channel Power: 15.43 dBm / 75.79 mW

Power Spectral Density: -3.366 dBm / MHz

Center Freq: 5.290000000 GHz

Ref Offset: 12.12 dB

Ref: 20.00 dBm

Center Freq: 5.2968 GHz

-1.7724 dBm

Span: 160 MHz

Res BW: 1 MHz

#VSW: 3 MHz

#Sweep: 100 ms

Frequency: 5.290000000 GHz

CF Step: 15.000000 MHz

Freq Offset: 0 Hz

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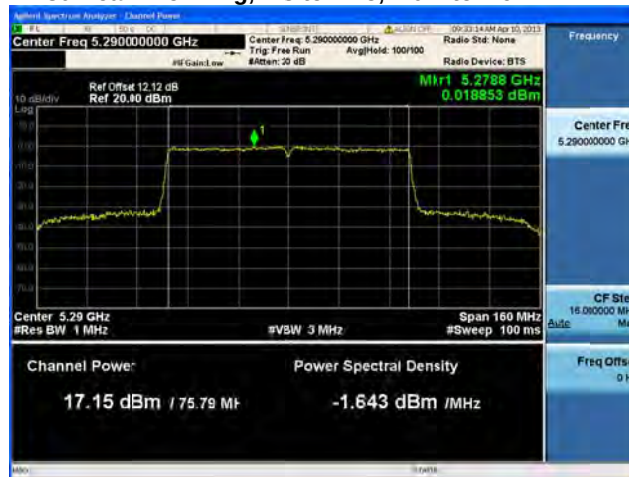
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2



Antenna A



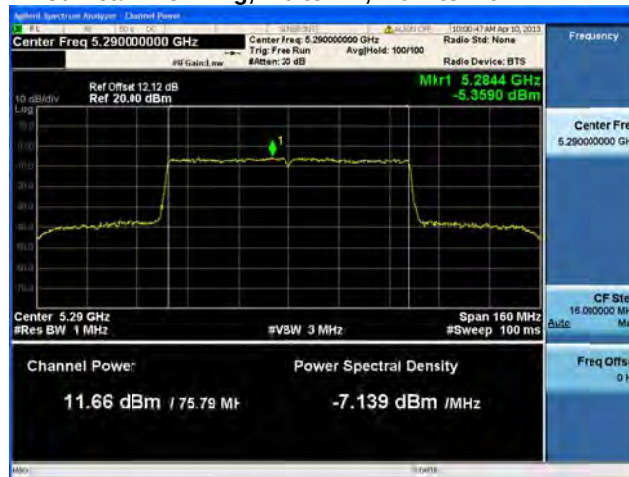
Antenna B



Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1



Antenna A



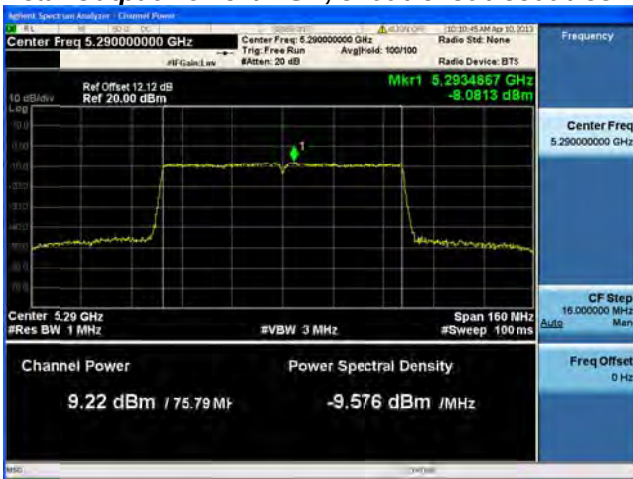
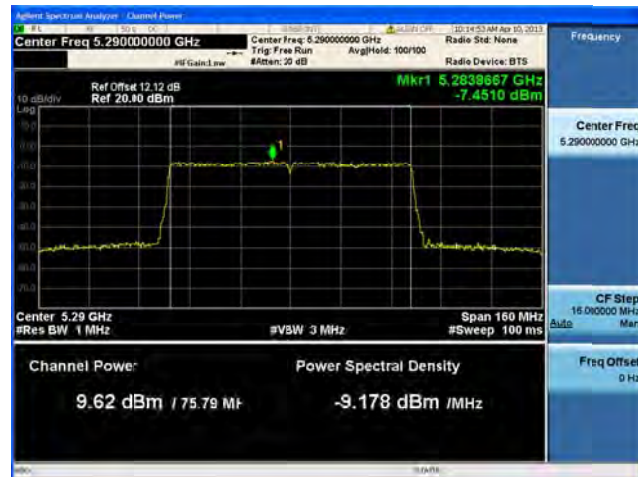
Antenna B

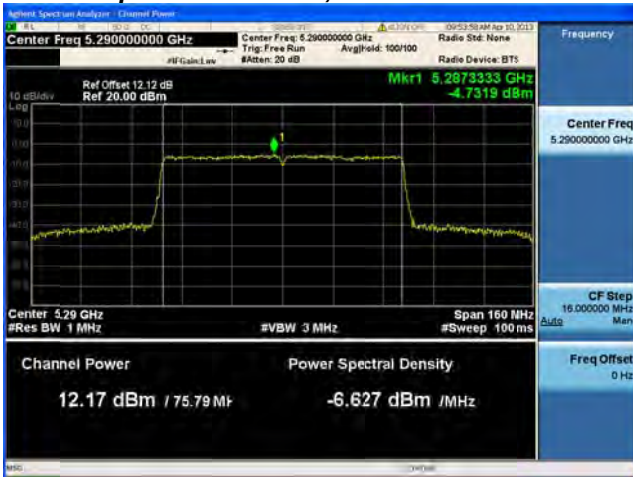
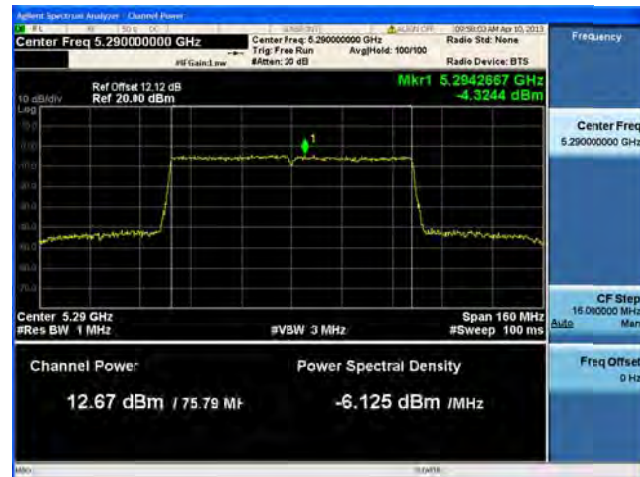


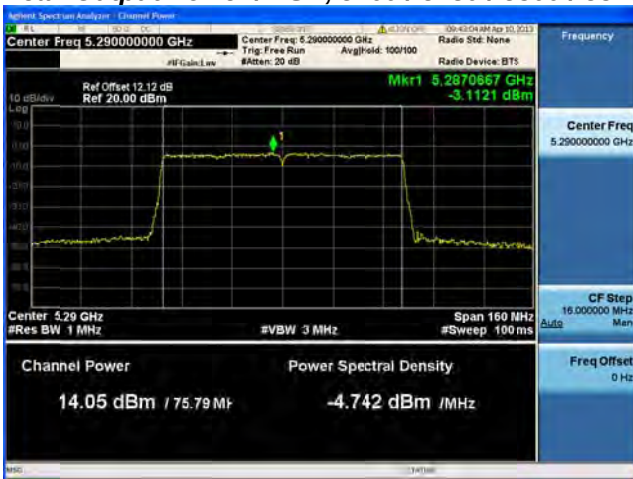
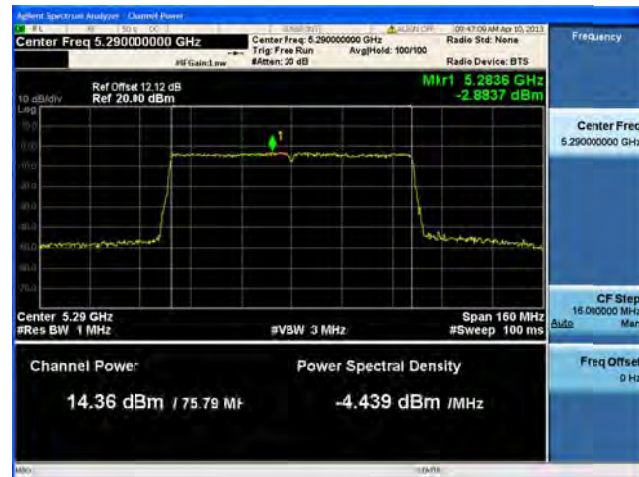
Antenna C

**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

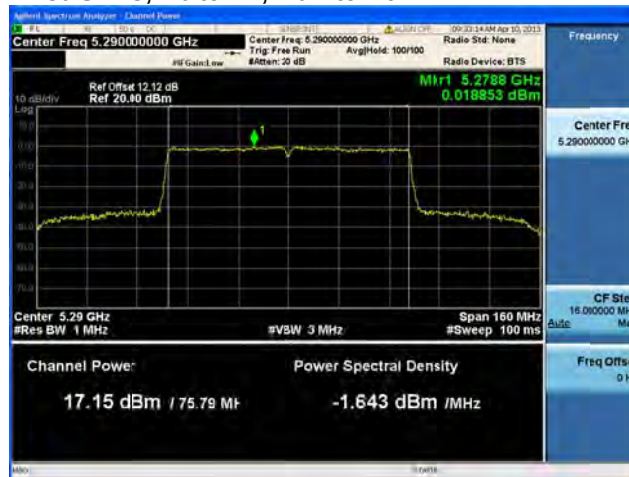
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1



Antenna A



Antenna B



Antenna C

Channel Power
15.07 dBm / 75.79 MHz

Power Spectral Density
-3.727 dBm / MHz

Frequency
Center Freq: 5.290000000 GHz

CF Step
15.000000 MHz

Freq Offset
0 Hz

Center Freq
5.290000000 GHz

Center Freq
5.2933333 GHz
-1.9267 dBm

Channel Power
15.07 dBm / 75.79 MHz

Power Spectral Density
-3.727 dBm / MHz

Frequency
Center Freq: 5.290000000 GHz

CF Step
15.000000 MHz

Freq Offset
0 Hz

Vector Signal Analyzer: Channel View

Center Freq 5.29000000 GHz

Center Freq 5.29000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

#F Gain Low

#Fatten: 2 dB

Radio Device: BTS

Mkr1 5.2869333 GHz -0.88615 dBm

Ref Offd 12.12 dB

Ref 20.00 dBm

10.0 dB/div

Log

Center 5.29 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 160 MHz

#Sweep 100 ms

Channel Power:

Power Spectral Density

16.10 dBm / 75.79 MHz

-2.695 dBm / MHz

Frequency

Center Freq 5.29000000 GHz

CF Step 15.000000 MHz

Auto

Man

Freq Offset 0 Hz

Ref Offset 12.12 dB
Ref 20.00 dBm

Center Freq 5.290000000 GHz
Trig: Free Run
#Aver: 100/100
Radio Std: None
Radio Device: BT3

Mkr1 5.3276 GHz
-1.4762 dBm

Center 5.29 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 160 MHz
#Sweep 100 ms

Channel Power
15.47 dBm / 75.79 MHz

Power Spectral Density
-3.328 dBm / MHz

Frequency
Center Freq 5.290000000 GHz
CF Step 15.000000 MHz
Auto
Freq Offset 0 Hz

Center Freq 5.290000000 GHz
Span 160 MHz
Res BW 1 MHz
Sweep 100 ms

Mtr1 5.2868 GHz
-1.7724 dBm

Channel Power: 15.43 dBm / 75.79 MHz
Power Spectral Density: -3.366 dBm / MHz

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Peak Output Power / PSD, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A**

Peak Output Power / PSD, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A****Antenna B**

Peak Output Power / PSD, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps



Antenna A



Antenna B



Antenna C

Peak Output Power / PSD, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2



Antenna A



Antenna B

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1



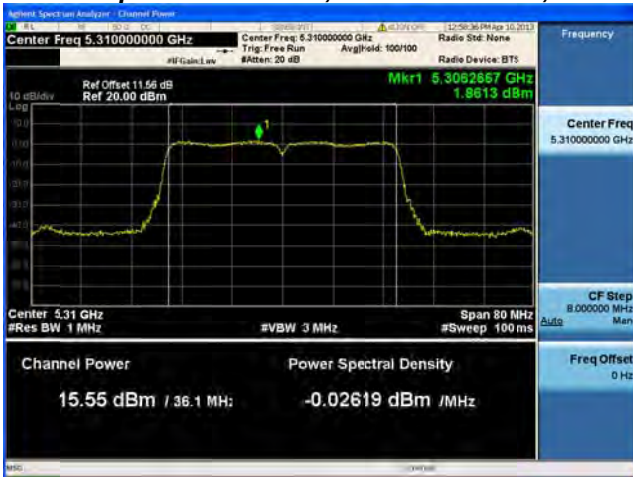
Antenna A



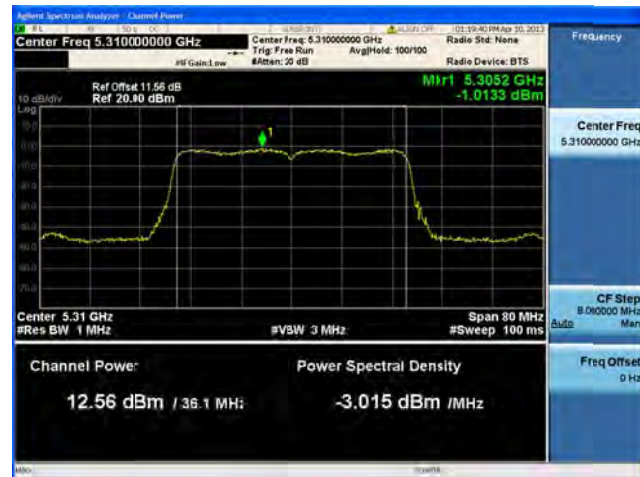
Antenna B



Antenna C

**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**


Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3


Antenna A



Antenna B



Antenna C



Antenna D

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2



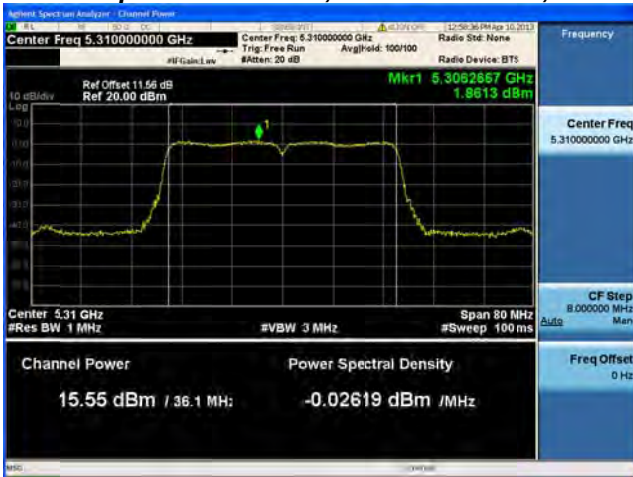
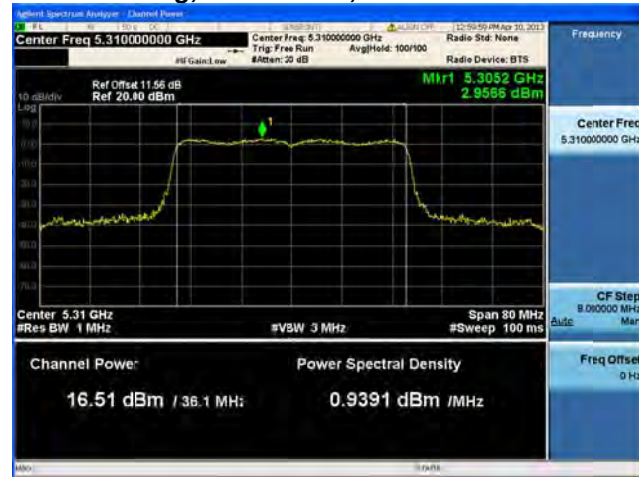
Antenna A



Antenna B

**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

Software: Spectrum Analyzer - Channel Power
 Center Freq 5.310000000 GHz
 Span 80 MHz
 Res BW 1 MHz
 Channel Power 8.83 dBm / 36.1 MHz
 Power Spectral Density -6.747 dBm / MHz
 Frequency 5.310000000 GHz
 CF Step 8.000000 MHz
 Freq Offset 0 Hz

[illegible]

Active Spectrum Analyzer - Channel 1 (MHz)

Center Freq 5.310000000 GHz

Ref Offset 11.56 dB
Ref 20.00 dBm

Center Freq: 5.310000000 GHz
Trig: Free Run
Ave/hold: 100/100
Radio Device: BT5

Frequency

Center Freq 5.310000000 GHz

CF Step 8.000000 MHz
Auto

Channel Power

Power Spectral Density

8.49 dBm / 36.1 MHz

-7.087 dBm /MHz

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Channel Power

12-47-12 PM 10/23/2013

Center Freq 5.310000000 GHz

Ref Offt 11.56 dB
Ref 20.90 dBm

#F Gain 1.00

Center Freq 5.310000000 GHz
Trig: Free Run
Avg/Hold: 100/100
Radio Std: None
Radio Device: DTS

#F Res BW 1 MHz
#VSW 3 MHz
#Sweep 100 ms
Span 80 MHz

CF Step 8.000000 MHz

Mkr1 5.3054667 GHz
-4.5554 dBm

Channel Power: 8.87 dBm / 36.1 MHz

Power Spectral Density: -6.707 dBm / MHz

Freq Offset 0 Hz

This document is uncontrolled. Please refer to the electronic copy within EDCS for the most up to date version.
Cisco Systems, Inc. Company Confidential

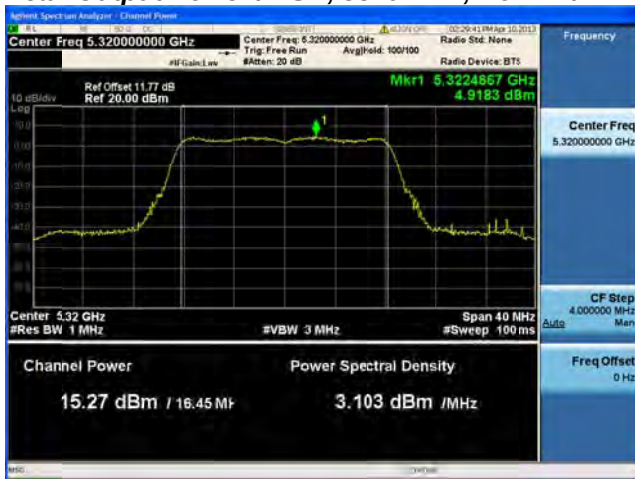
**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

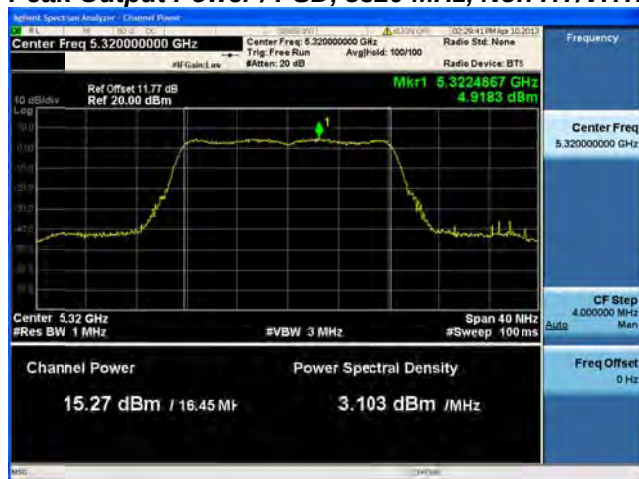
**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps**Antenna A**

Peak Output Power / PSD, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps**Antenna A****Antenna B**

Peak Output Power / PSD, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps



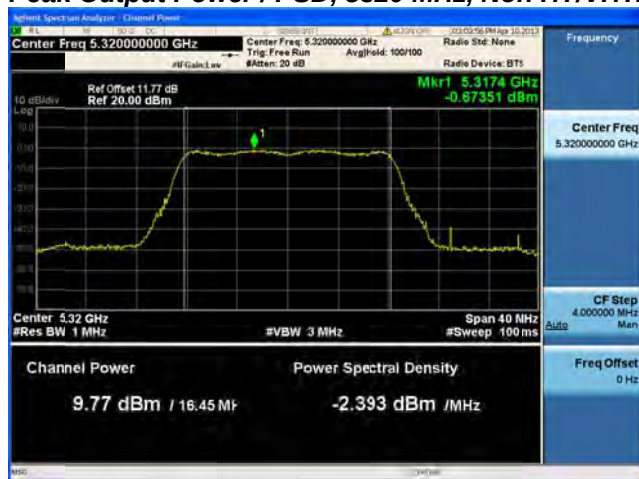
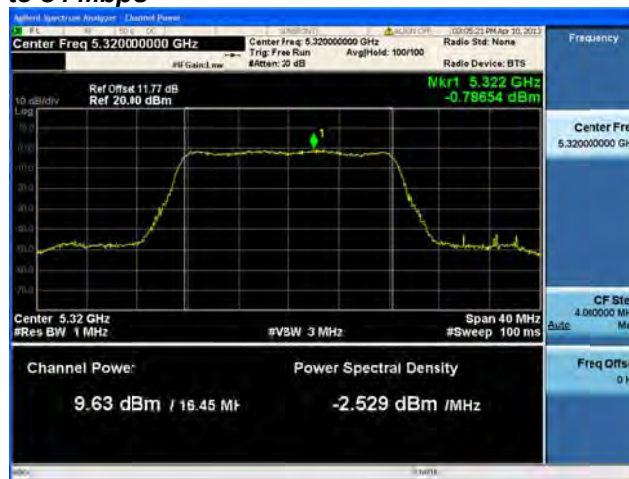
Antenna A

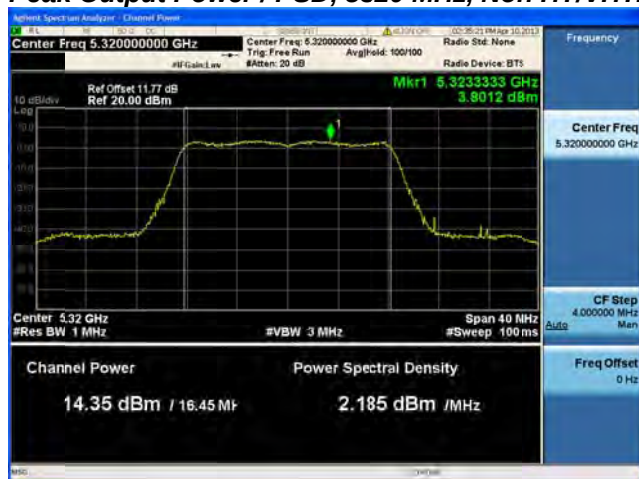


Antenna B

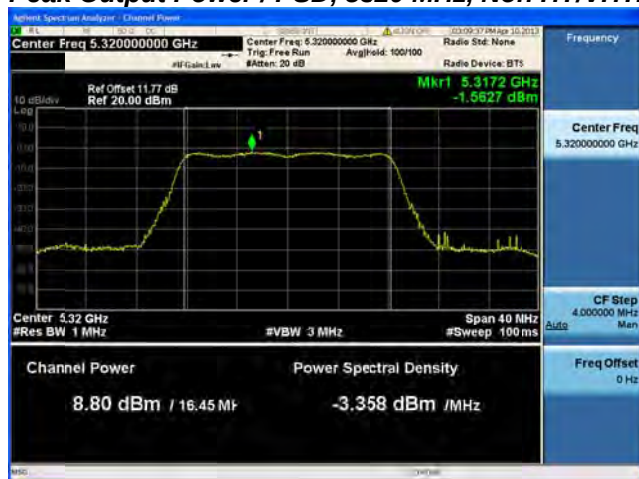
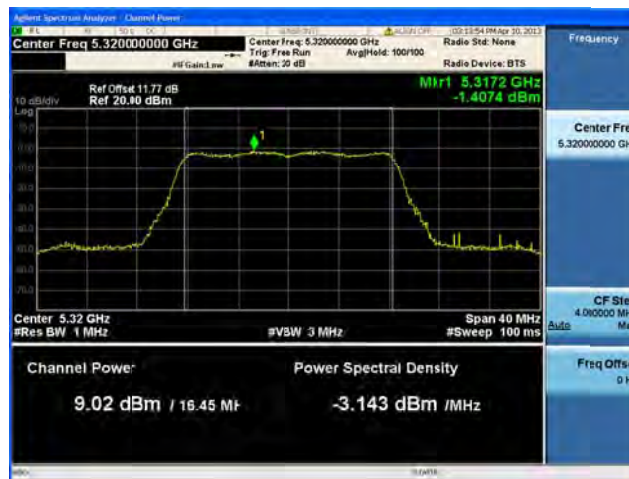


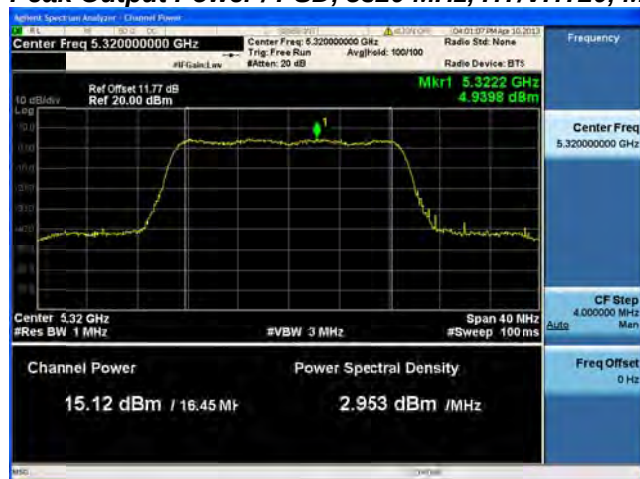
Antenna C

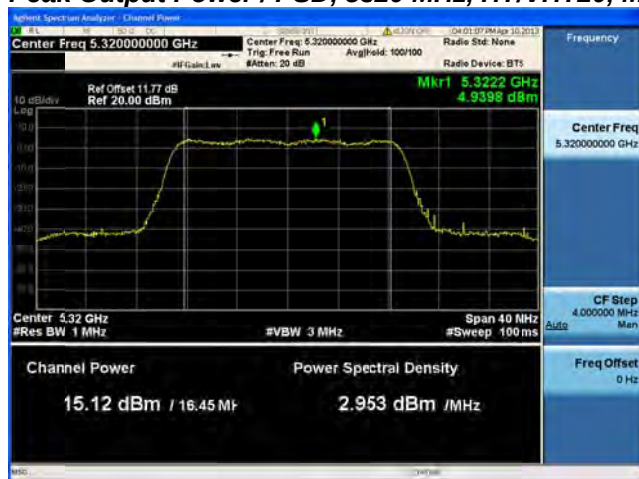
Peak Output Power / PSD, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps**Antenna A****Antenna B**

Peak Output Power / PSD, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A**

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2



Antenna A



Antenna B

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1



Antenna A

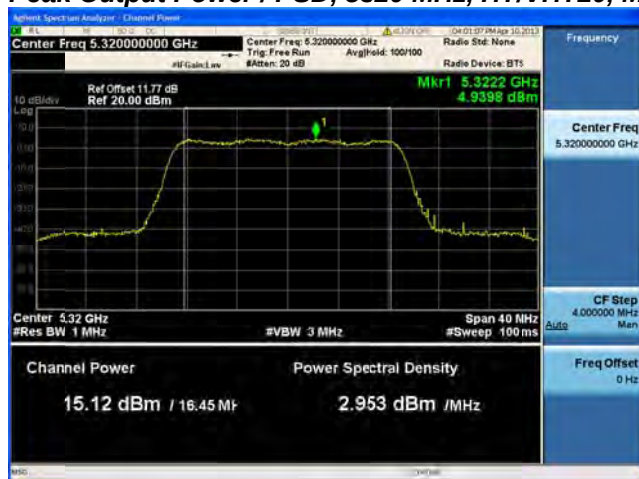


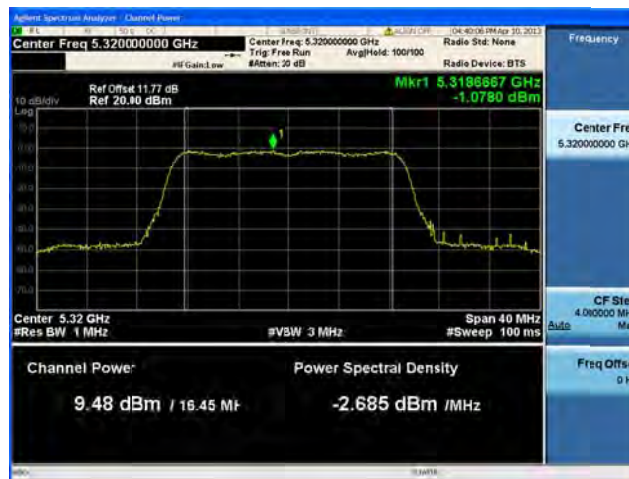
Antenna B

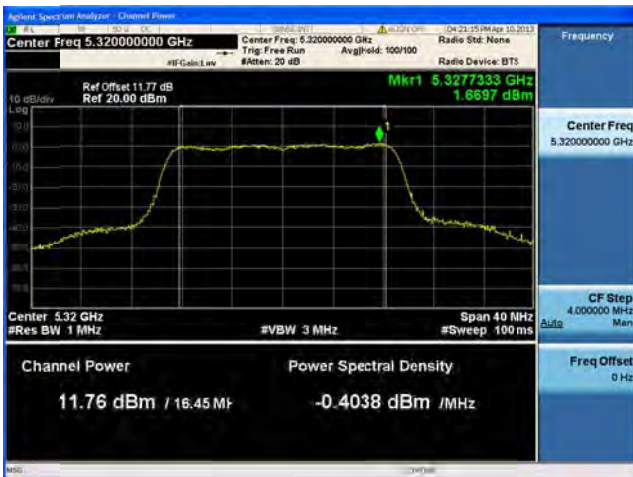


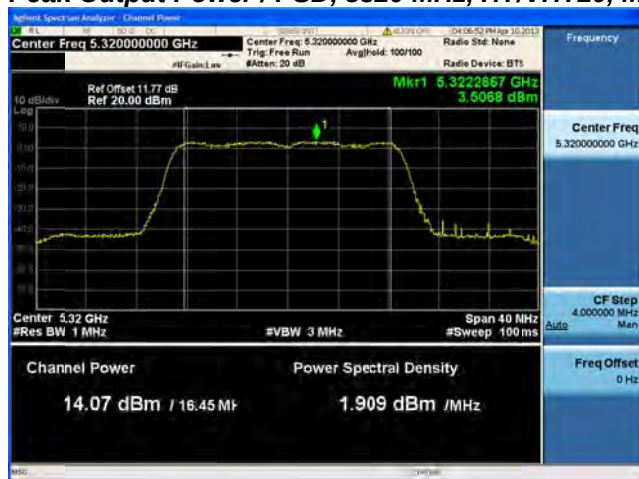
Antenna C

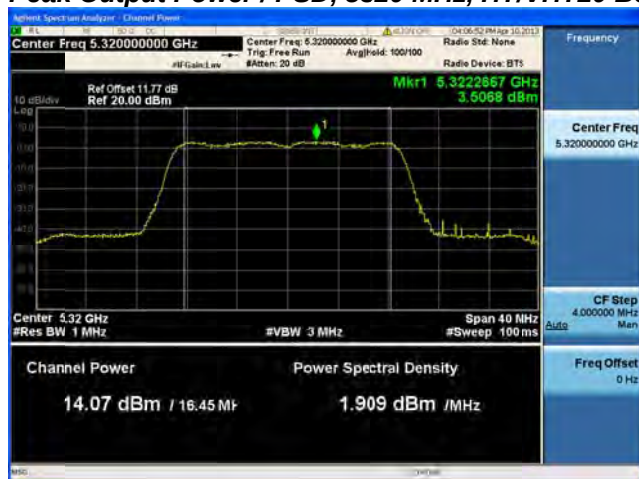
**Peak Output Power / PSD, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2



Antenna A



Antenna B

Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1



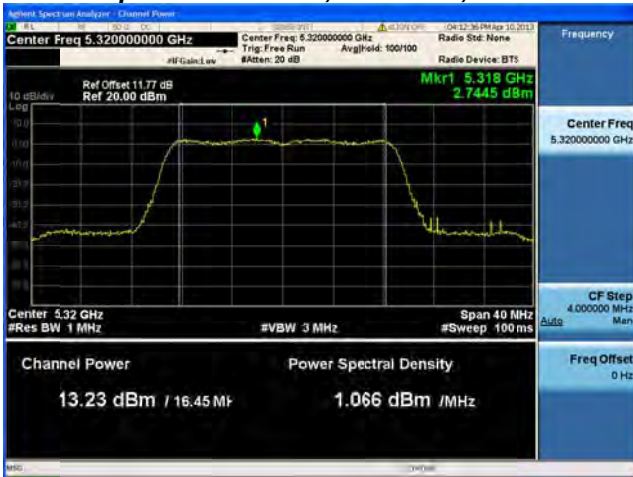
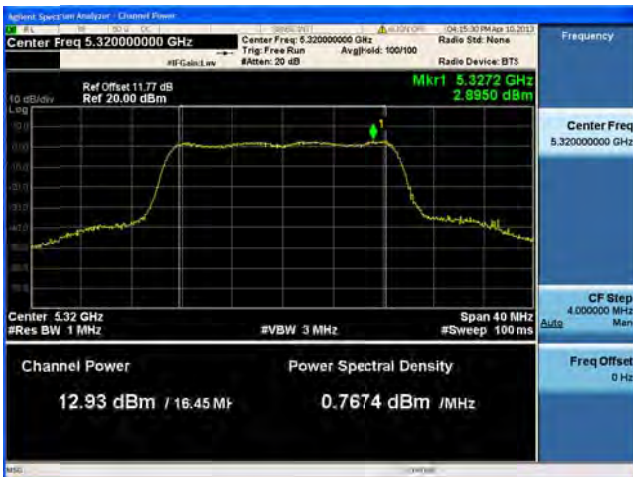
Antenna A

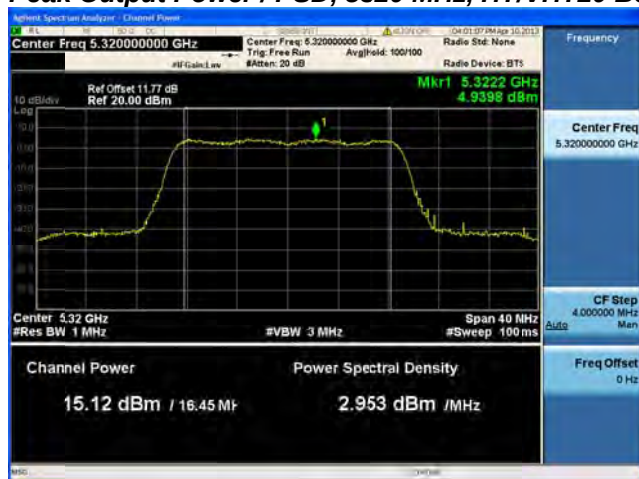


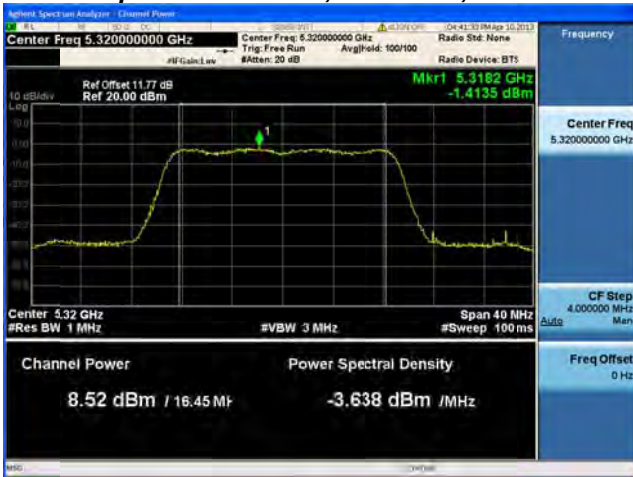
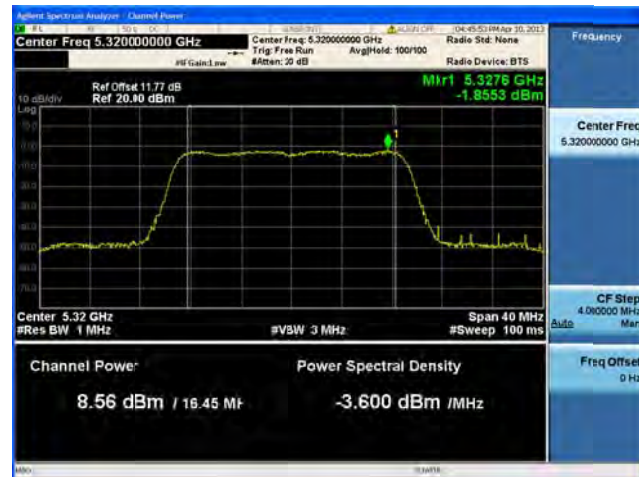
Antenna B

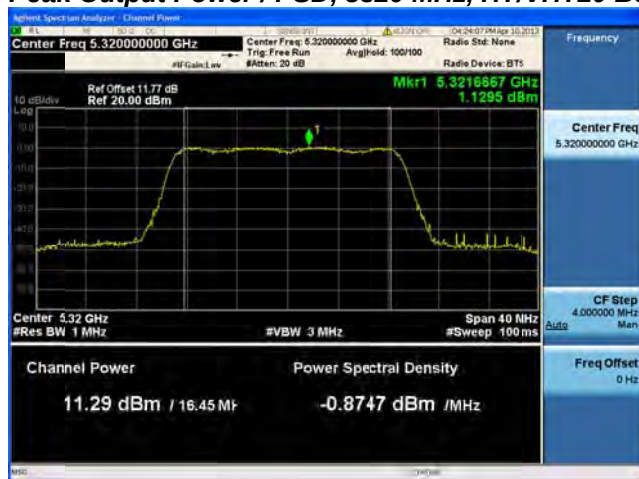


Antenna C

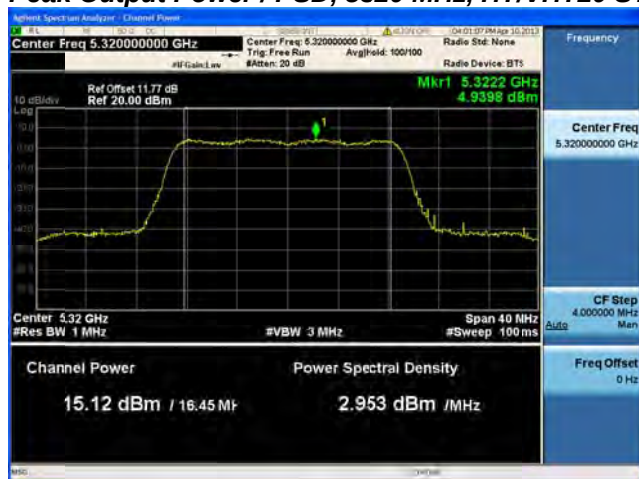
**Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

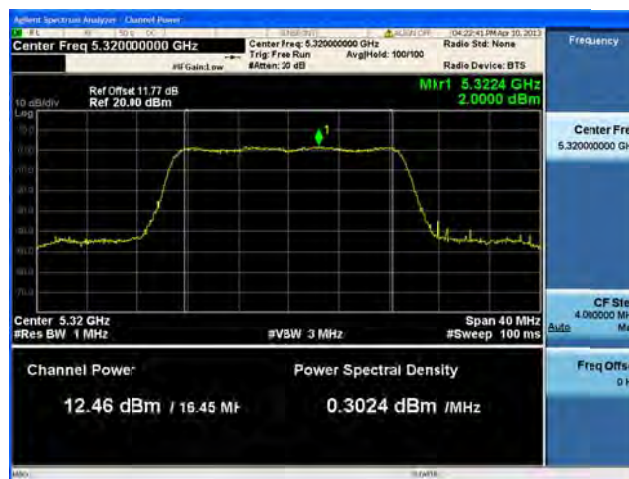
**Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C****Antenna D**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

Peak Output Power / PSD, 5320 MHz, HT/VHT20 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C****Antenna D**



Conducted Spurious Emissions

15.407: For transmitters operating in the 5.25-5.35 and 5.47-5.725 GHz band: all emissions outside of the 5.25-5.35 and 5.47-5.725 GHz bands shall not exceed an EIRP of -27dBm/MHz.

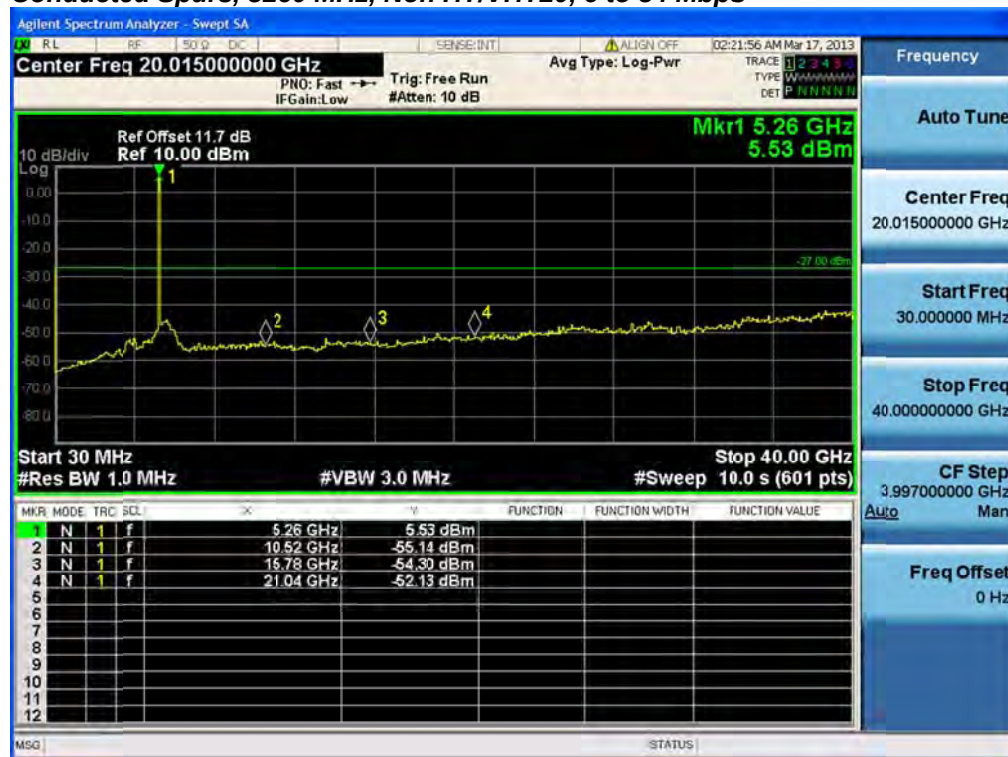
Connect the antenna port(s) to the spectrum analyzer input. Place the radio in continuous transmit mode. Configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer).

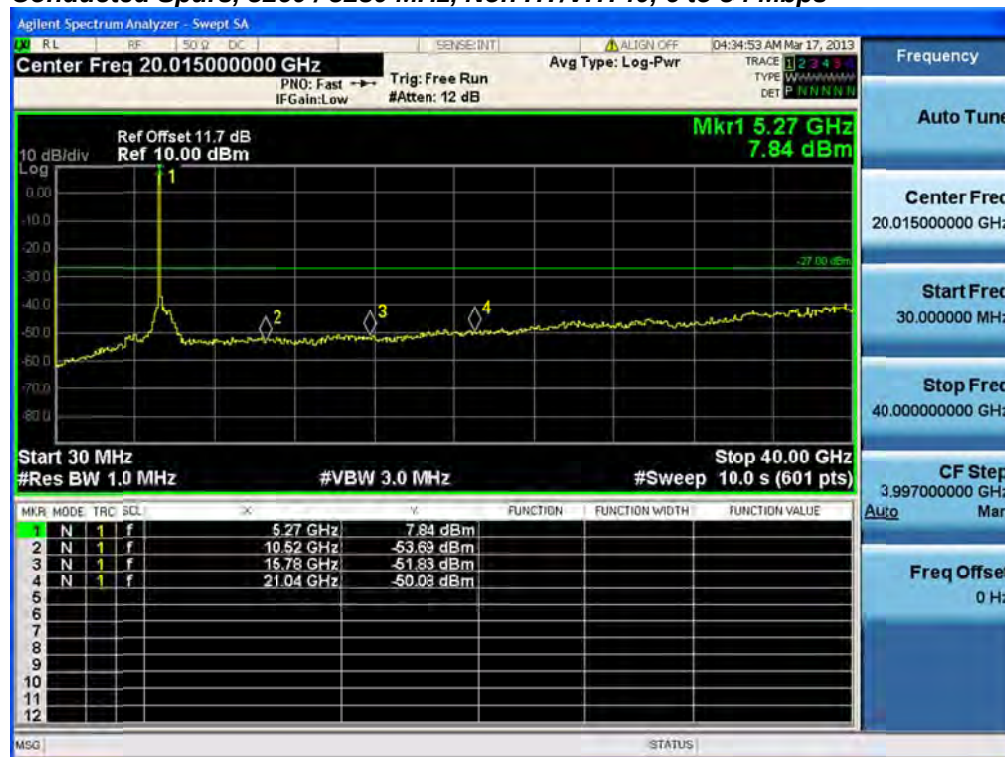
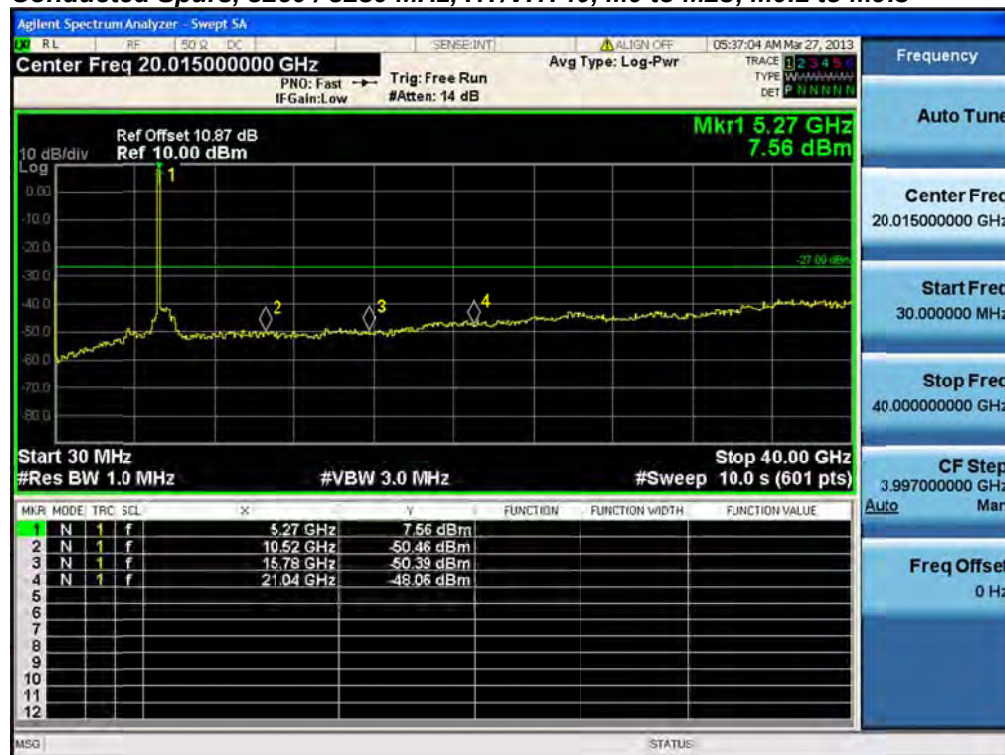
Span:	30 MHz-40 GHz
Reference Level:	20 dBm
Attenuation:	10 dB
Sweep Time:	10 s
Resolution Bandwidth:	1 MHz
Video Bandwidth:	3 MHz
Detector:	Peak
Trace:	Single
Marker:	Peak

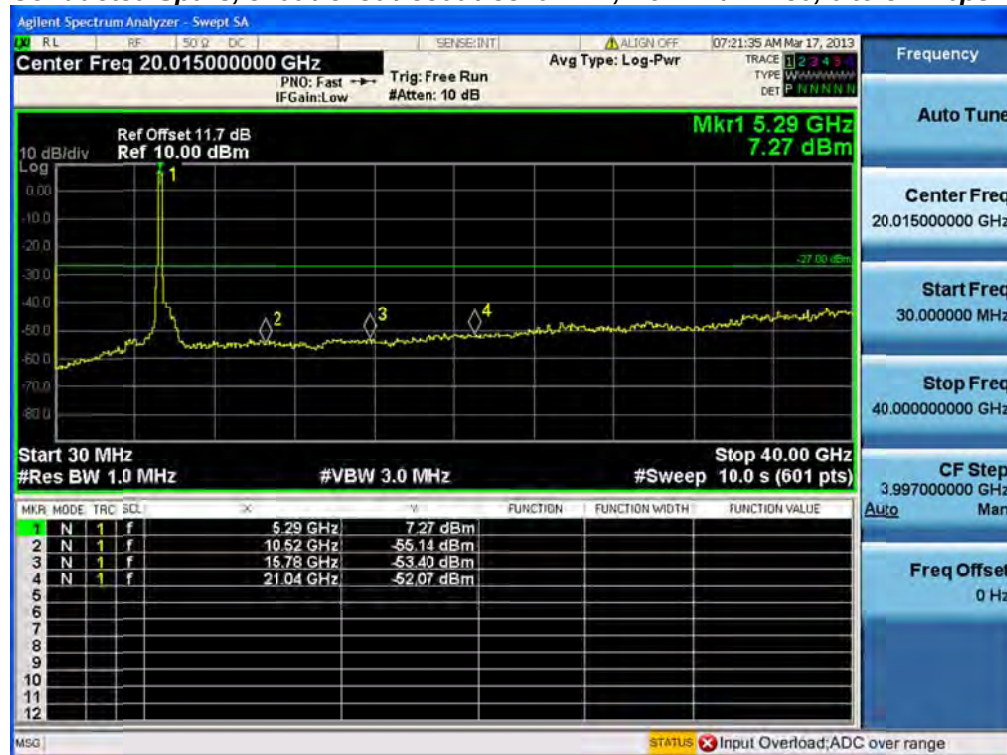
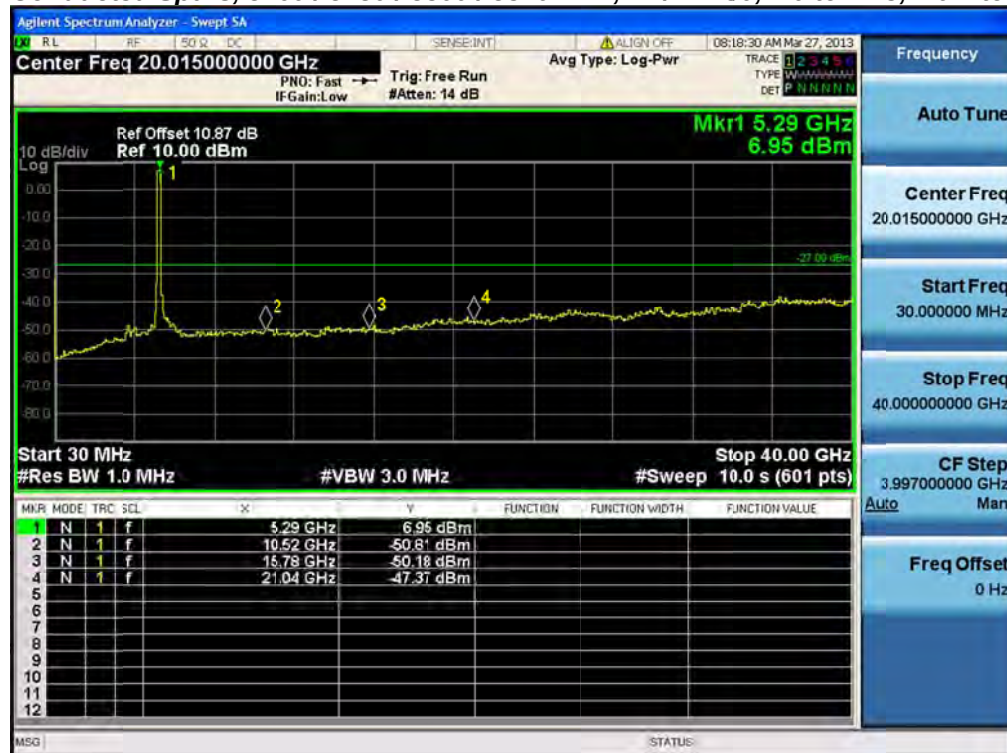
Record the marker waveform peak to spur difference

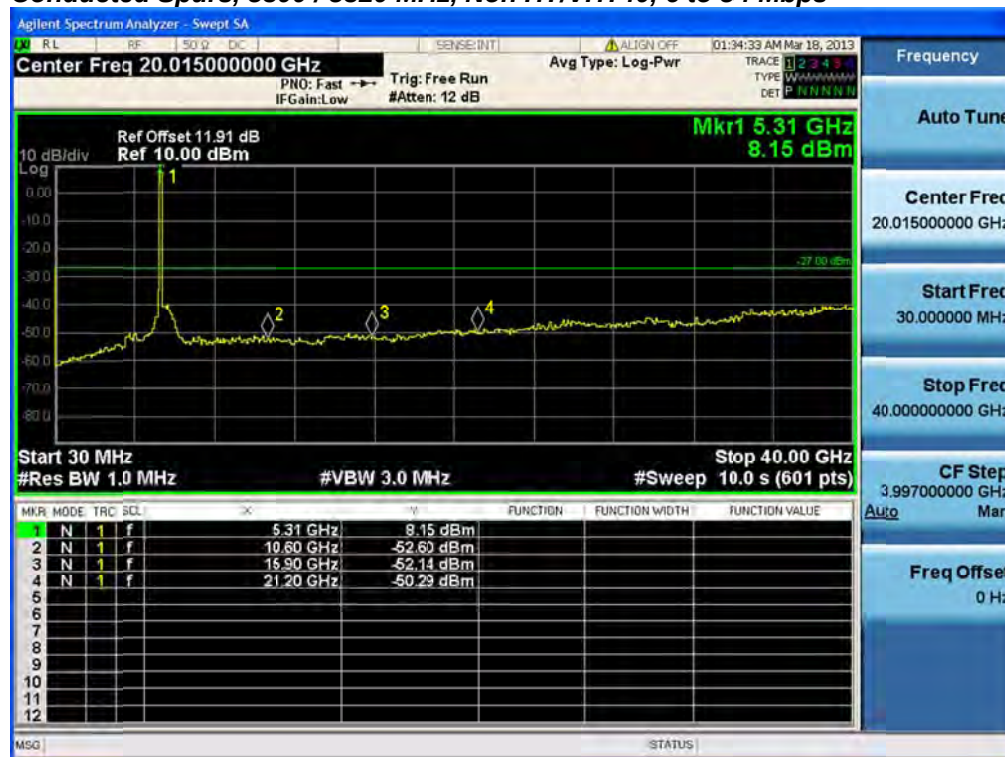


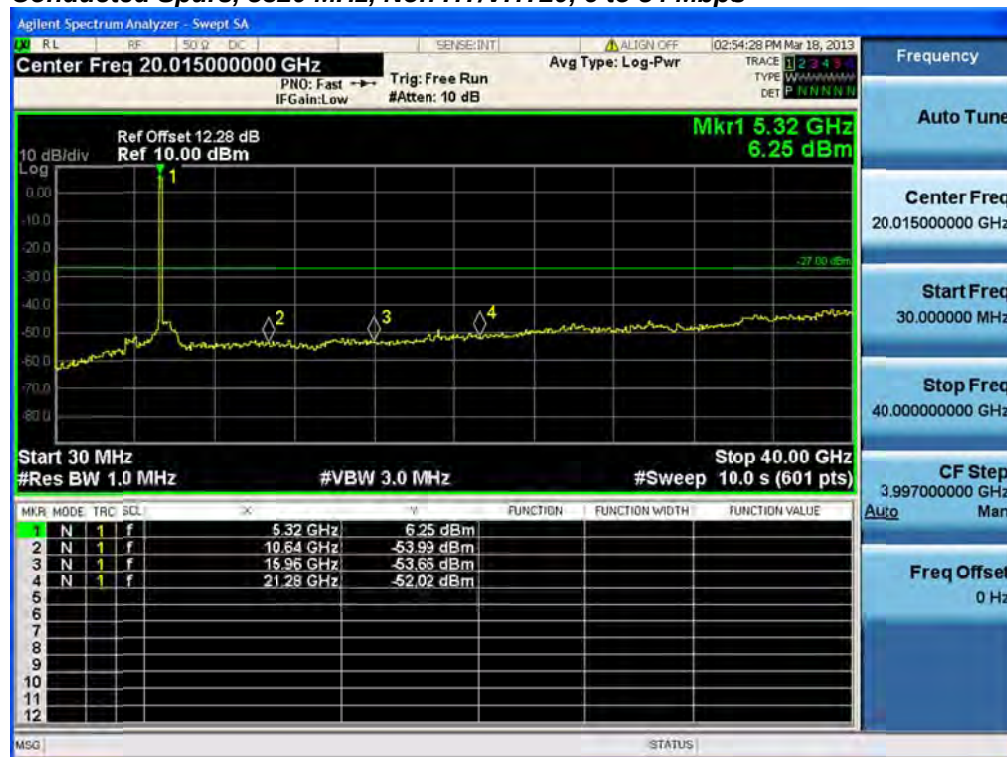
Frequency (MHz)	Mode	Data Rate (Mbps)	Conducted Spurs Delta (MHz)	Limit (kHz)	Margin (MHz)
5260	Non HT/VHT20, 6 to 54 Mbps	2	11	<u>-52.1</u>	-38.1
	HT/VHT20, M0 to M23, M0.1 to M9.3	3	5	<u>-44.2</u>	-34.4
5260/5280	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>-50.1</u>	-45.1
	HT/VHT40, M0 to M23, M0.1 to M9.3	4	5	<u>-48.1</u>	-37.1
5260/5280 5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	5	<u>-52.1</u>	-47.1
	HT/VHT80, M0 to M23, M0.1 to M9.3	3	5	<u>-47.4</u>	-37.6
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>-50.3</u>	-45.3
	HT/VHT40, M0 to M23, M0.1 to M9.3	3	5	<u>-45.1</u>	-35.3
5320	Non HT/VHT20, 6 to 54 Mbps	2	11	<u>-52</u>	-38.0
	HT/VHT20, M0 to M23, M0.1 to M9.3	4	5	<u>-47.1</u>	-36.1

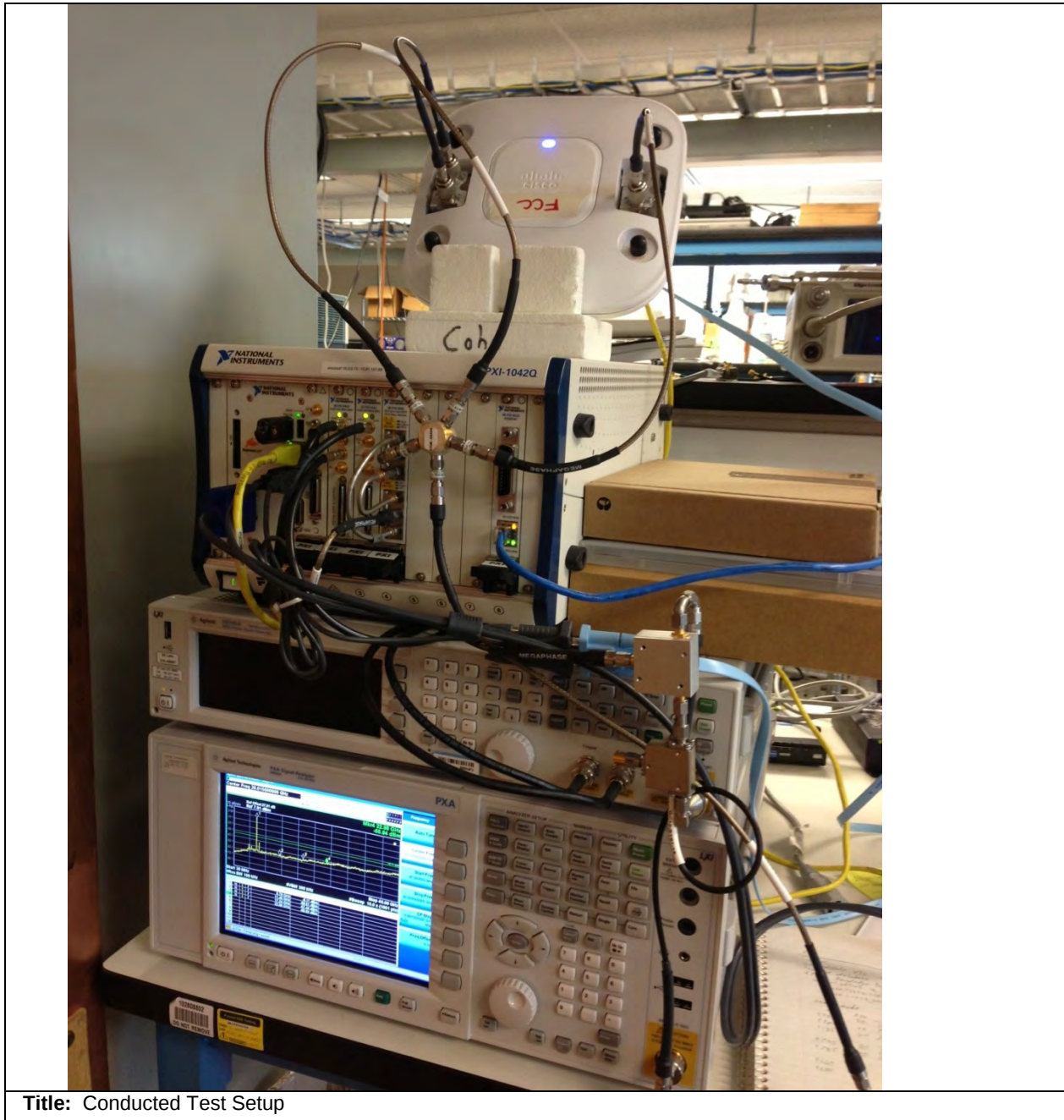
**Conducted Spurs, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps****Conducted Spurs, 5260 MHz, HT/VHT20, M0 to M23, M0.1 to M9.3**

**Conducted Spurs, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps****Conducted Spurs, 5260 / 5280 MHz, HT/VHT40, M0 to M23, M0.1 to M9.3**

**Conducted Spurs, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps****Conducted Spurs, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M23, M0.1 to M9.3**

Conducted Spurs, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Conducted Spurs, 5300 / 5320 MHz, HT/VHT40, M0 to M23, M0.1 to M9.3**

Conducted Spurs, 5320 MHz, Non HT/VHT20, 6 to 54 Mbps**Conducted Spurs, 5320 MHz, HT/VHT20, M0 to M23, M0.1 to M9.3**



Title: Conducted Test Setup



Conducted Bandedge

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)).

Use the procedures in 718828 D01 DTS Meas Guidance v01 to substitute conducted measurements in place of radiated measurements.

Connect the antenna port(s) to the spectrum analyzer input. Place the radio in continuous transmit mode. Be sure to enter all losses between the transmitter output and the spectrum analyzer.

Reference Level:	10 dBm
Attenuation:	4 dB
Sweep Time:	Coupled
Resolution Bandwidth:	1MHz
Video Bandwidth:	1 MHz for peak, 100 Hz for average
Detector:	Peak

Save 2 plots: 1) Average Plot (Vertical and Horizontal), Limit= -41.25 dBm eirp (54dBuV @3m)
 2) Peak plot (Vertical and Horizontal), Limit = -21.25 dBm eirp (74dBuV @3m)

Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands.

The “measure-and-sum technique” is used for measuring in-band transmit power of a device. In the measure-and-sum approach, the conducted emission level is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in linear power units.

This report represents the worst case data for all supported operating modes and antennas.



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	5	-56.6				-51.6	-41.25	10.4
	Non HT/VHT80, 6 to 54 Mbps	2	5	-56.6	-49.4			-43.6	-41.25	2.4
	Non HT/VHT80, 6 to 54 Mbps	3	5	-59.4	-52.9	-48.5		-41.9	-41.25	0.7
	Non HT/VHT80, 6 to 54 Mbps	4	5	-59.4	-52.9	-48.5	-55.5	-41.3	-41.25	0.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	5	-52.2				-47.2	-41.25	6.0
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	5	-52.2	-49.2			-42.4	-41.25	1.2
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	5	-52.2	-49.2			-42.4	-41.25	1.2
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	5	-52.2	-49.2	-53.9		-41.6	-41.25	0.3
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	5	-52.2	-49.2	-53.9		-41.6	-41.25	0.3
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	5	-52.2	-49.2	-53.9		-41.6	-41.25	0.3
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	5	-55.6	-52.2	-56.2	-56.2	-43.7	-41.25	2.4
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	5	-55.6	-52.2	-56.2	-56.2	-43.7	-41.25	2.4
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	5	-55.6	-52.2	-56.2	-56.2	-43.7	-41.25	2.4
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	-55.6	-52.2			-42.6	-41.25	1.3
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	-52.2	-49.2			-42.4	-41.25	1.2
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	-57.8	-55.2	-65.3		-43.2	-41.25	2.0
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	-58.0	-55.2	-59.0		-45.5	-41.25	4.3
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	-52.2	-49.2	-53.9		-41.6	-41.25	0.3
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	-63.8	-61.1	-66.7	-64.8	-46.6	-41.25	5.3
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	-58.2	-56.8	-63.6	-63.0	-45.4	-41.25	4.2
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	-58.0	-55.2	-59.0	-58.8	-45.2	-41.25	4.0
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	5	-52.2	-49.2			-42.4	-41.25	1.2
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	3	5	-52.2	-49.2	-53.9		-41.6	-41.25	0.3
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	5	-55.6	-52.2	-56.2	-56.2	-43.7	-41.25	2.4



5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>-48.9</u>				-43.9	-41.25	2.7
	Non HT/VHT40, 6 to 54 Mbps	2	5	<u>-48.9</u>	<u>-52.5</u>			-42.3	-41.25	1.1
	Non HT/VHT40, 6 to 54 Mbps	3	5	<u>-54.4</u>	<u>-55.7</u>	<u>-56.6</u>		-45.7	-41.25	4.5
	Non HT/VHT40, 6 to 54 Mbps	4	5	<u>-57.4</u>	<u>-59.7</u>	<u>-61.9</u>	<u>-59.1</u>	-48.2	-41.25	7.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	5	<u>-55.3</u>				-50.3	-41.25	9.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	5	<u>-55.3</u>	<u>-52.0</u>			-45.3	-41.25	4.1
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	5	<u>-55.3</u>	<u>-52.0</u>			-45.3	-41.25	4.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	5	<u>-56.7</u>	<u>-53.8</u>	<u>-58.8</u>		-46.2	-41.25	4.9
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	5	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-43.7	-41.25	2.5
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	5	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-43.7	-41.25	2.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	5	<u>-57.9</u>	<u>-56.8</u>	<u>-60.4</u>	<u>-59.6</u>	-47.4	-41.25	6.2
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	5	<u>-56.7</u>	<u>-53.8</u>	<u>-58.8</u>	<u>-57.6</u>	-45.3	-41.25	4.0
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	5	<u>-56.7</u>	<u>-53.8</u>	<u>-58.8</u>	<u>-57.6</u>	-45.3	-41.25	4.0
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>-56.7</u>	<u>-53.8</u>			-44.0	-41.25	2.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>-55.3</u>	<u>-52.0</u>			-45.3	-41.25	4.1
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-63.4</u>	<u>-62.2</u>	<u>-61.1</u>		-47.6	-41.25	6.3
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>-57.5</u>	<u>-55.4</u>	<u>-59.8</u>		-45.6	-41.25	4.4
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-43.7	-41.25	2.5
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-63.9</u>	<u>-63.9</u>	<u>-66.5</u>	<u>-66.0</u>	-47.9	-41.25	6.6
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>-63.2</u>	<u>-61.5</u>	<u>-60.7</u>	<u>-60.2</u>	-47.2	-41.25	6.0
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>-57.5</u>	<u>-55.4</u>	<u>-59.8</u>	<u>-58.7</u>	-45.3	-41.25	4.1
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>-55.3</u>	<u>-52.0</u>			-45.3	-41.25	4.1
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-43.7	-41.25	2.5
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>-56.7</u>	<u>-53.8</u>	<u>-58.8</u>	<u>-57.6</u>	-45.3	-41.25	4.0
5320	Non HT/VHT20, 6 to 54 Mbps	1	5	<u>-63.8</u>				-58.8	-41.25	17.6
	Non HT/VHT20, 6 to 54 Mbps	2	5	<u>-63.8</u>	<u>-64.3</u>			-56.0	-41.25	14.8
	Non HT/VHT20, 6 to 54 Mbps	3	5	<u>-66.7</u>	<u>-69.3</u>	<u>-56.8</u>		-51.2	-41.25	9.9
	Non HT/VHT20, 6 to 54 Mbps	4	5	<u>-71.0</u>	<u>-70.7</u>	<u>-69.6</u>	<u>-71.3</u>	-59.6	-41.25	18.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	<u>-65.1</u>	<u>-65.2</u>			-54.1	-41.25	12.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	<u>-70.6</u>	<u>-70.3</u>	<u>-57.8</u>		-47.6	-41.25	6.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	<u>-71.2</u>	<u>-71.0</u>	<u>-62.0</u>	<u>-71.6</u>	-49.7	-41.25	8.4
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	<u>-63.7</u>				-58.7	-41.25	17.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	5	<u>-63.7</u>	<u>-59.5</u>			-53.1	-41.25	11.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	<u>-63.7</u>	<u>-59.5</u>			-53.1	-41.25	11.9
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	5	<u>-67.5</u>	<u>-65.8</u>	<u>-68.9</u>		-57.4	-41.25	16.2
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	5	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-52.0	-41.25	10.8
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-52.0	-41.25	10.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	5	<u>-70.8</u>	<u>-69.4</u>	<u>-70.5</u>	<u>-71.5</u>	-59.5	-41.25	18.2
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	5	<u>-67.5</u>	<u>-65.8</u>	<u>-68.9</u>	<u>-66.8</u>	-56.1	-41.25	14.8
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	<u>-64.9</u>	<u>-62.2</u>	<u>-67.0</u>	<u>-64.8</u>	-53.4	-41.25	12.1



HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>-64.9</u>	<u>-62.2</u>			-52.3	-41.25	11.1
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>-63.7</u>	<u>-59.5</u>			-53.1	-41.25	11.9
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-70.3</u>	<u>-68.3</u>	<u>-69.8</u>		-54.8	-41.25	13.6
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>-65.8</u>	<u>-63.3</u>	<u>-68.2</u>		-53.7	-41.25	12.5
HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-52.0	-41.25	10.8
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-71.3</u>	<u>-70.0</u>	<u>-73.0</u>	<u>-72.3</u>	-54.5	-41.25	13.2
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>-69.8</u>	<u>-68.0</u>	<u>-69.5</u>	<u>-67.5</u>	-54.6	-41.25	13.3
HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>-65.8</u>	<u>-63.3</u>	<u>-68.2</u>	<u>-66.1</u>	-53.3	-41.25	12.0
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>-63.7</u>	<u>-59.5</u>			-53.1	-41.25	11.9
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-52.0	-41.25	10.8
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>-67.5</u>	<u>-65.8</u>	<u>-68.9</u>	<u>-66.8</u>	-56.1	-41.25	14.8



Frequency (MHz)	Mode	Tx Paths	Correlated Antenna Gain (dBi)	Tx 1 Bandedge Level (dBm)	Tx 2 Bandedge Level (dBm)	Tx 3 Bandedge Level (dBm)	Tx 4 Bandedge Level (dBm)	Total Tx Bandedge Level (dBm)	Limit (dBm)	Margin (dB)
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	5	-43.5				-38.5	-21.25	17.3
	Non HT/VHT80, 6 to 54 Mbps	2	5	-43.5	-35.0			-29.4	-21.25	8.2
	Non HT/VHT80, 6 to 54 Mbps	3	5	-47.3	-37.2	-39.2		-29.8	-21.25	8.6
	Non HT/VHT80, 6 to 54 Mbps	4	5	-47.3	-37.2	-39.2	-38.6	-28.3	-21.25	7.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	5	-36.8				-31.8	-21.25	10.6
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	5	-36.8	-35.8			-28.3	-21.25	7.0
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	5	-36.8	-35.8			-28.3	-21.25	7.0
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	5	-36.8	-35.8	-39.8		-27.4	-21.25	6.1
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	5	-36.8	-35.8	-39.8		-27.4	-21.25	6.1
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	5	-36.8	-35.8	-39.8		-27.4	-21.25	6.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	5	-41.6	-38.6	-41.3	-44.2	-30.0	-21.25	8.7
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	5	-41.6	-38.6	-41.3	-44.2	-30.0	-21.25	8.7
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	5	-41.6	-38.6	-41.3	-44.2	-30.0	-21.25	8.7
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	-41.6	-38.6			-28.8	-21.25	7.6
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	-36.8	-35.8			-28.3	-21.25	7.0
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	-43.8	-41.2	-52.6		-29.3	-21.25	8.0
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	-45.1	-41.5	-46.5		-32.3	-21.25	11.0
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	-36.8	-35.8	-39.8		-27.4	-21.25	6.1
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	-49.7	-48.5	-53.4	-51.8	-33.4	-21.25	12.2
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	-43.2	-42.8	-51.1	-47.9	-31.1	-21.25	9.8
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	-45.1	-41.5	-46.5	-46.1	-32.1	-21.25	10.8
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	5	-36.8	-35.8			-28.3	-21.25	7.0
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	3	5	-36.8	-35.8	-39.8		-27.4	-21.25	6.1
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	5	-41.6	-38.6	-41.3	-44.2	-30.0	-21.25	8.7

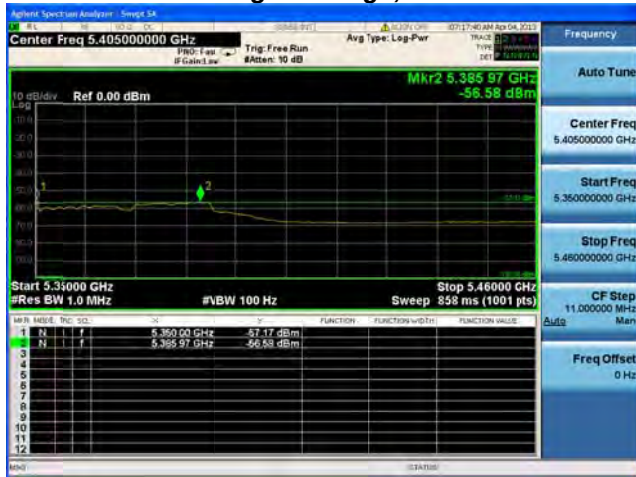


5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	5	<u>-33.3</u>				-28.3	-21.25	7.1
	Non HT/VHT40, 6 to 54 Mbps	2	5	<u>-33.3</u>	<u>-37.8</u>			-27.0	-21.25	5.7
	Non HT/VHT40, 6 to 54 Mbps	3	5	<u>-33.9</u>	<u>-38.4</u>	<u>-41.5</u>		-27.1	-21.25	5.8
	Non HT/VHT40, 6 to 54 Mbps	4	5	<u>-42.2</u>	<u>-42.3</u>	<u>-50.9</u>	<u>-45.1</u>	-33.0	-21.25	11.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	5	<u>-39.4</u>				-34.4	-21.25	13.2
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	5	<u>-39.4</u>	<u>-35.9</u>			-29.3	-21.25	8.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	5	<u>-39.4</u>	<u>-35.9</u>			-29.3	-21.25	8.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	5	<u>-44.7</u>	<u>-40.3</u>	<u>-49.9</u>		-33.6	-21.25	12.4
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	5	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-29.0	-21.25	7.8
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	5	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-29.0	-21.25	7.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	5	<u>-47.5</u>	<u>-47.3</u>	<u>-51.9</u>	<u>-51.3</u>	-38.0	-21.25	16.7
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	5	<u>-44.7</u>	<u>-40.3</u>	<u>-49.9</u>	<u>-44.0</u>	-32.5	-21.25	11.3
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	5	<u>-44.7</u>	<u>-40.3</u>	<u>-49.9</u>	<u>-44.0</u>	-32.5	-21.25	11.3
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>-44.7</u>	<u>-40.3</u>			-31.0	-21.25	9.7
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>-39.4</u>	<u>-35.9</u>			-29.3	-21.25	8.0
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-52.9</u>	<u>-53.0</u>	<u>-53.8</u>		-38.6	-21.25	17.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>-47.5</u>	<u>-44.8</u>	<u>-51.9</u>		-35.6	-21.25	14.4
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-29.0	-21.25	7.8
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-55.0</u>	<u>-52.9</u>	<u>-51.8</u>	<u>-56.5</u>	-36.7	-21.25	15.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>-45.4</u>	<u>-48.4</u>	<u>-56.4</u>	<u>-53.7</u>	-35.0	-21.25	13.8
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>-47.5</u>	<u>-44.8</u>	<u>-51.9</u>	<u>-47.5</u>	-35.0	-21.25	13.8
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>-39.4</u>	<u>-35.9</u>			-29.3	-21.25	8.0
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-29.0	-21.25	7.8
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>-44.7</u>	<u>-40.3</u>	<u>-49.9</u>	<u>-44.0</u>	-32.5	-21.25	11.3
5320	Non HT/VHT20, 6 to 54 Mbps	1	5	<u>-51.9</u>				-46.9	-21.25	25.7
	Non HT/VHT20, 6 to 54 Mbps	2	5	<u>-51.9</u>	<u>-54.7</u>			-45.1	-21.25	23.8
	Non HT/VHT20, 6 to 54 Mbps	3	5	<u>-54.2</u>	<u>-62.6</u>	<u>-49.3</u>		-42.9	-21.25	21.7
	Non HT/VHT20, 6 to 54 Mbps	4	5	<u>-59.4</u>	<u>-63.5</u>	<u>-60.3</u>	<u>-60.9</u>	-49.8	-21.25	28.5
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	8	<u>-53.9</u>	<u>-54.8</u>			-43.3	-21.25	22.1
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	10	<u>-59.4</u>	<u>-63.2</u>	<u>-47.4</u>		-37.2	-21.25	16.0
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	11	<u>-59.8</u>	<u>-60.5</u>	<u>-49.7</u>	<u>-63.2</u>	-37.8	-21.25	16.6
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	5	<u>-43.9</u>				-38.9	-21.25	17.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	5	<u>-43.9</u>	<u>-43.2</u>			-35.5	-21.25	14.3
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	5	<u>-43.9</u>	<u>-43.2</u>			-35.5	-21.25	14.3
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	5	<u>-54.9</u>	<u>-50.5</u>	<u>-57.8</u>		-43.6	-21.25	22.3
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	5	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-34.9	-21.25	13.7
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	5	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-34.9	-21.25	13.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	5	<u>-62.5</u>	<u>-61.4</u>	<u>-61.2</u>	<u>-64.1</u>	-51.1	-21.25	29.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	5	<u>-54.9</u>	<u>-50.5</u>	<u>-57.8</u>	<u>-57.4</u>	-43.1	-21.25	21.8
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	<u>-53.5</u>	<u>-45.8</u>	<u>-54.2</u>	<u>-50.5</u>	-38.6	-21.25	17.4



HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	8	<u>-53.5</u>	<u>-45.8</u>			-37.1	-21.25	15.9
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	5	<u>-43.9</u>	<u>-43.2</u>			-35.5	-21.25	14.3
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	10	<u>-61.2</u>	<u>-55.7</u>	<u>-61.2</u>		-44.0	-21.25	22.7
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	7	<u>-53.7</u>	<u>-49.6</u>	<u>-57.3</u>		-40.9	-21.25	19.6
HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	5	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-34.9	-21.25	13.7
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	11	<u>-59.4</u>	<u>-59.1</u>	<u>-62.2</u>	<u>-63.7</u>	-43.7	-21.25	22.4
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	8	<u>-61.1</u>	<u>-57.6</u>	<u>-58.1</u>	<u>-57.2</u>	-44.2	-21.25	23.0
HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	6	<u>-53.7</u>	<u>-49.6</u>	<u>-57.3</u>	<u>-55.1</u>	-40.8	-21.25	19.5
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	5	<u>-43.9</u>	<u>-43.2</u>			-35.5	-21.25	14.3
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	5	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-34.9	-21.25	13.7
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	5	<u>-54.9</u>	<u>-50.5</u>	<u>-57.8</u>	<u>-57.4</u>	-43.1	-21.25	21.8

Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps**Antenna A**

**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps****Antenna A****Antenna B**



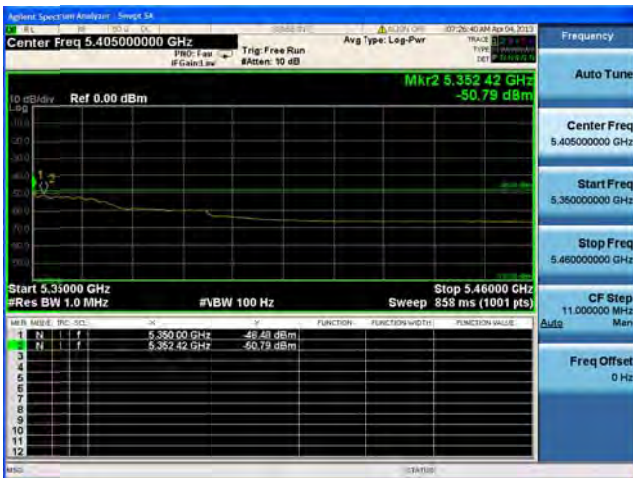
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps



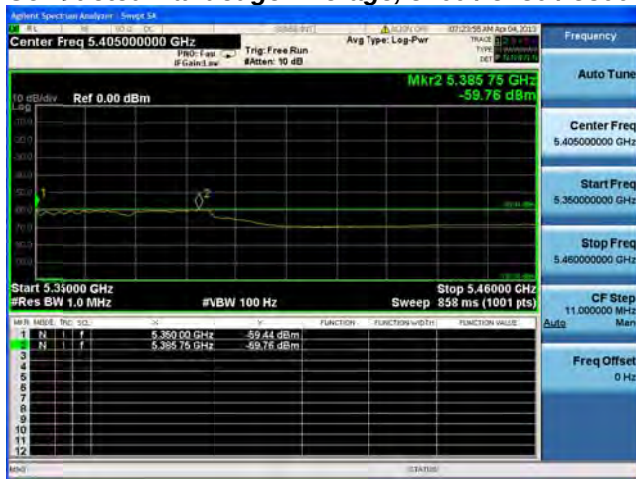
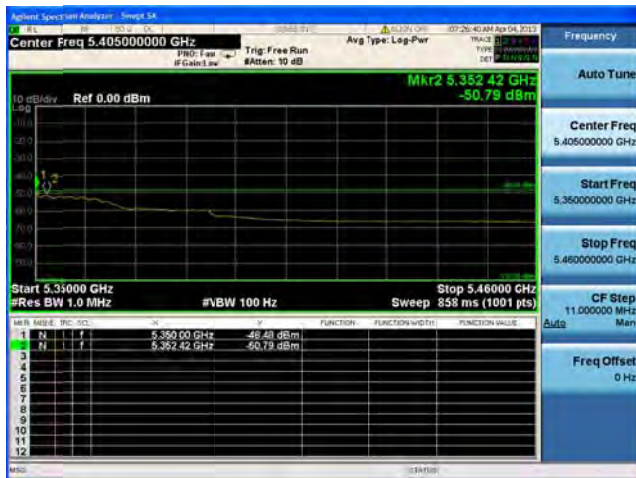
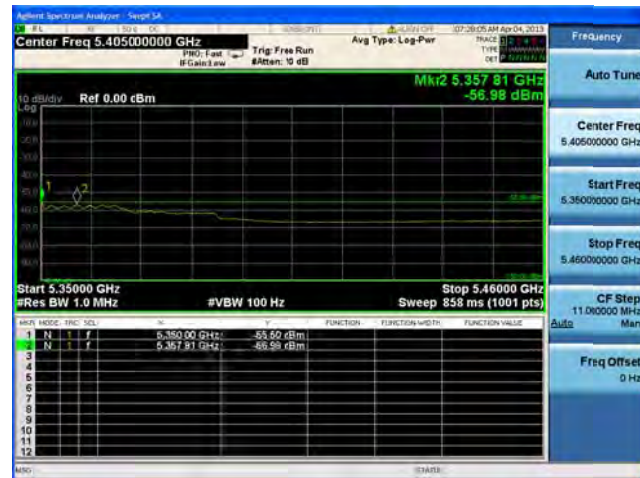
Antenna A

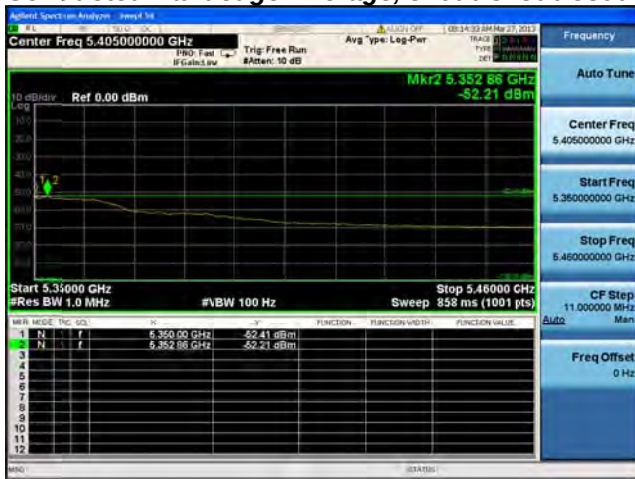


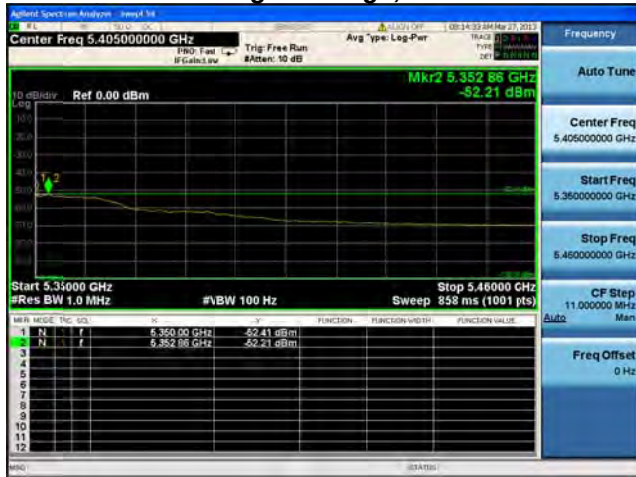
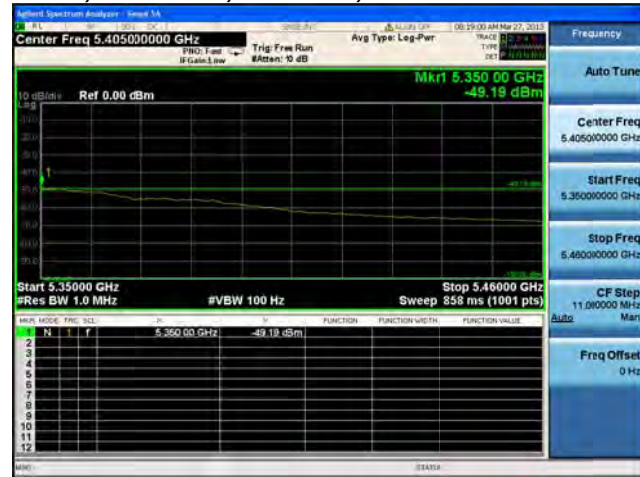
Antenna B



Antenna C

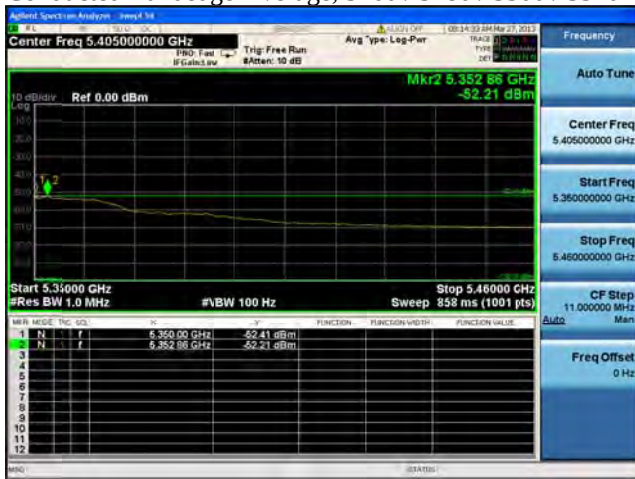
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1****Antenna A**

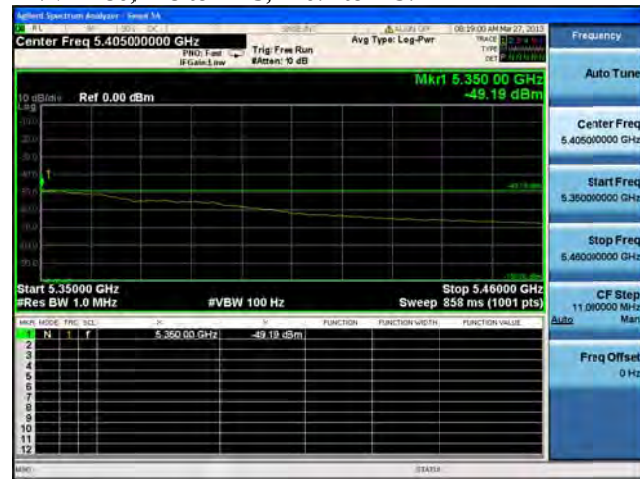
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2



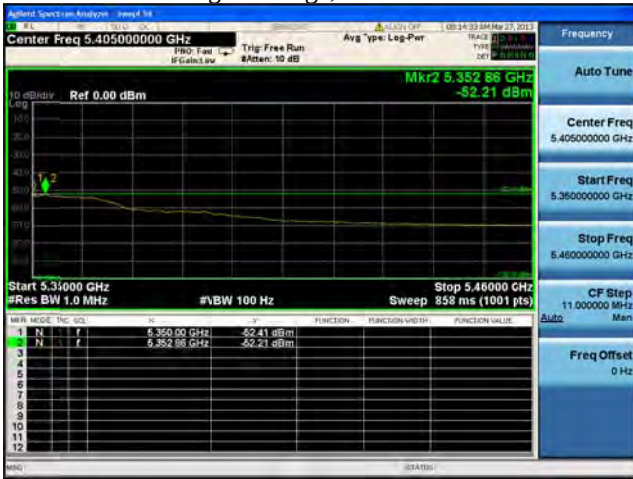
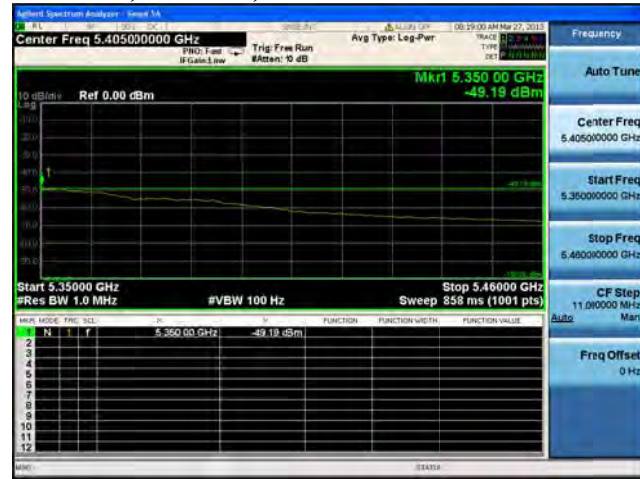
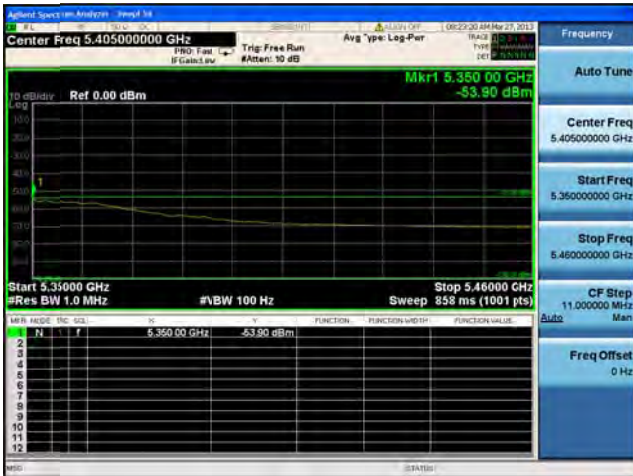
Antenna A



Antenna B



Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1

**Antenna A****Antenna B****Antenna C**

Agilent Spectrum Analyzer - Sample 3a

File Edit View Window Help

Center Freq 5.405000000 GHz Fwd: 10 dB Trig: Free Run Avg Type: Log-Pwr Date: 14:33:24 Mar 27, 2013

Ref 0.00 dBm

Mkr2 5.352 86 GHz -52.21 dBm

Start 5.31000 GHz Stop 5.46000 GHz

Res BW 1.0 MHz F#BW 100 Hz Sweep 898 ms (1001 pts)

MEAS MODE: Pk SGL

MEAS	MODE	PK	SGL	F	M	dBm
1	N	f		5.350 00 GHz	-52.41 dBm	
2	N	f		5.352 86 GHz	-52.21 dBm	

FUNCTION: FUNCTION VALUE: FUNCTION VALUE:

Auto Man

Freq Offset: 0 Hz

Author: Spectrum Analyzer - Image 34

File: 5.350000 GHz 1.0 MHz 100 Hz 898 ms (1001 pts)

Center Freq 5.405000000 GHz

Trace 1: Fwd

Trig: Free Run

Avg Type: Log-Pwr

Trace 1: 5.350000 GHz

Type: F

Det: P

10 dBm

Ref 0.00 dBm

Mkr1 5.350 00 GHz

-49.19 dBm

Start 5.350000 GHz

Stop 5.400000 GHz

Res BW 1.0 MHz

VBW 100 Hz

Sweep 898 ms (1001 pts)

Row	Mode	Freq	Level	Function	Function Width	Function Value
1	Marker	5.350 00 GHz	-49.19 dBm			
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Auto

CF Stop 11.000000 GHz

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Setup 3

Center Freq 5.405000000 GHz

Start 5.350000 MHz Stop 5.450000 MHz

Res BW 1.0 MHz

RBW 1.0 MHz

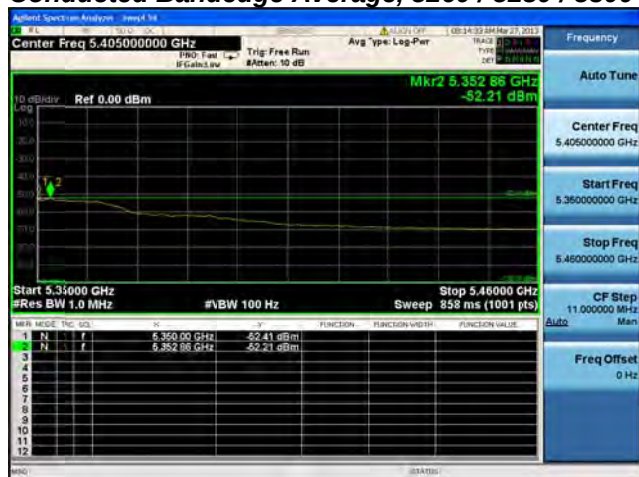
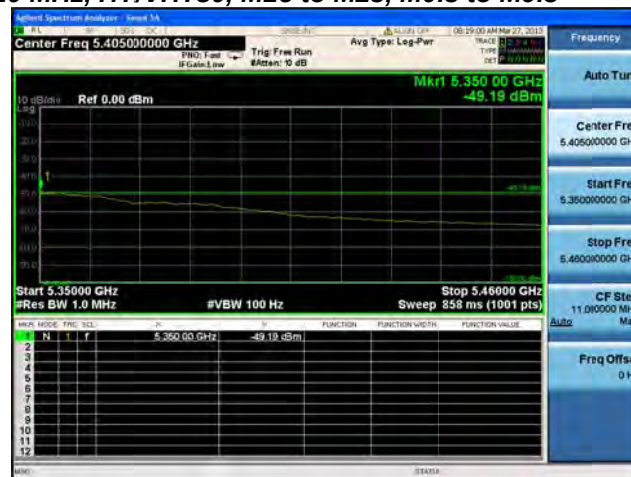
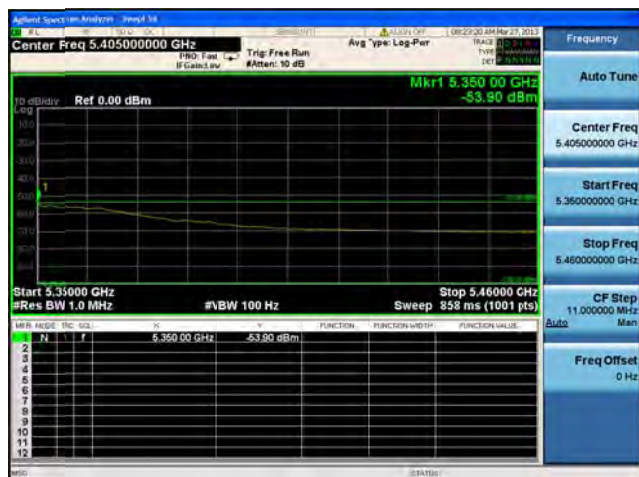
VBW 100 Hz

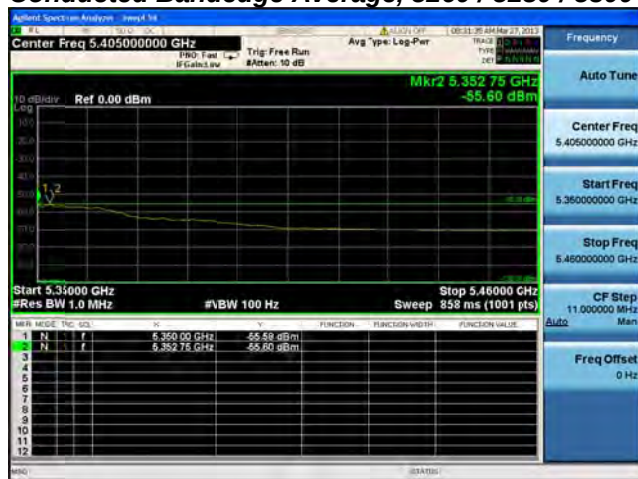
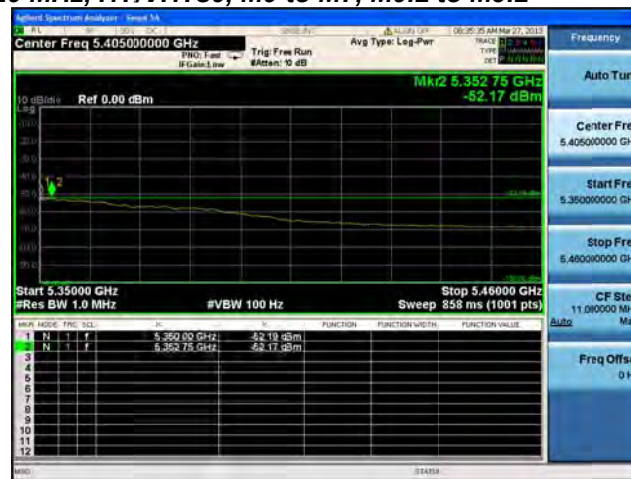
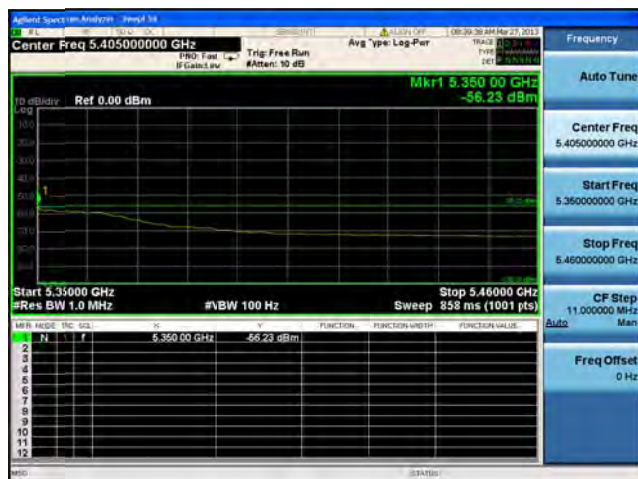
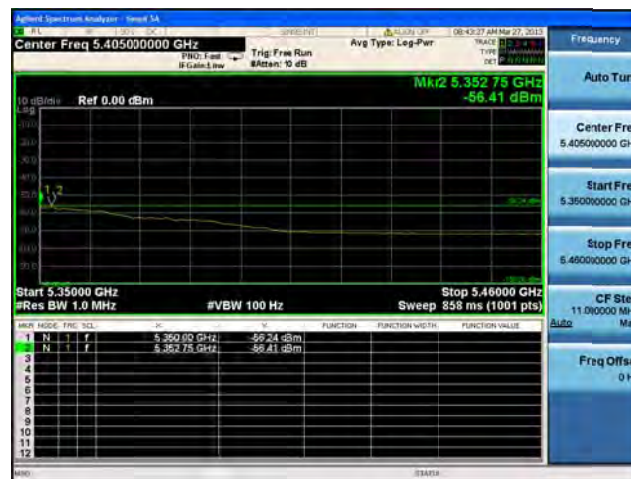
Sweep 858 ms (1001 pts)

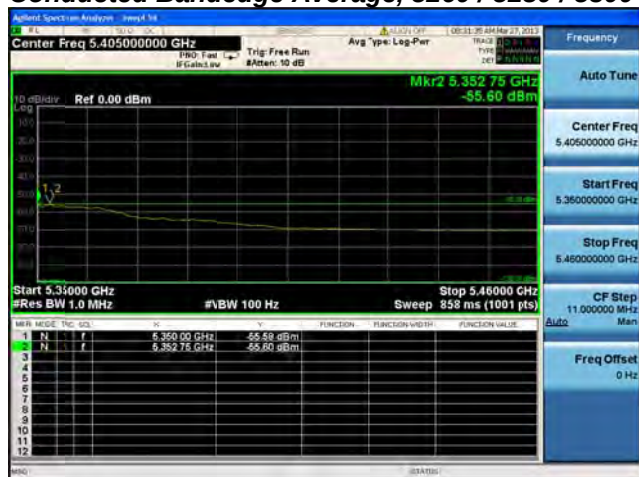
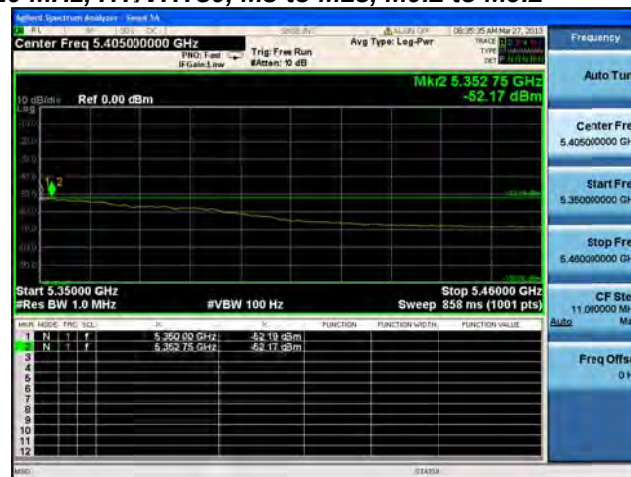
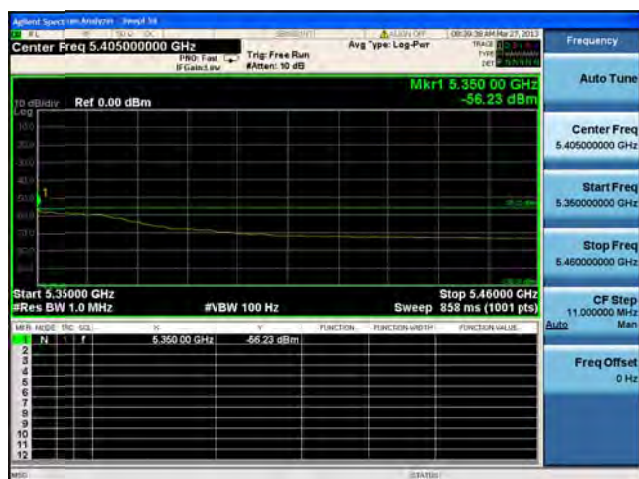
Signal Level: -33.90 dBm

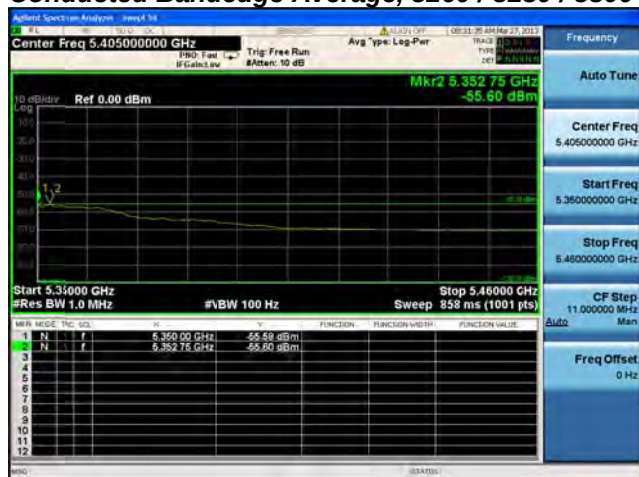
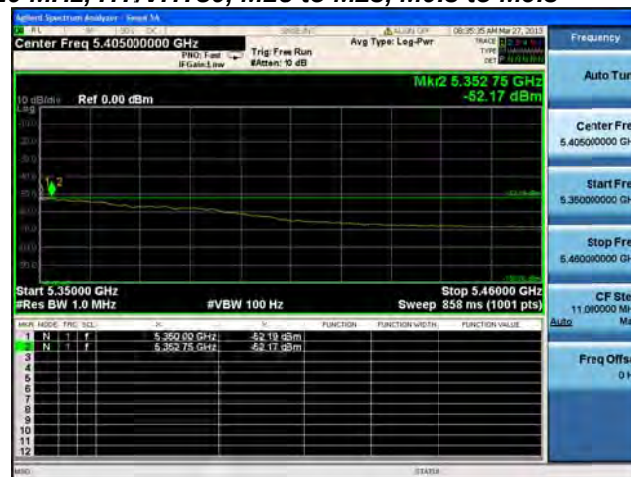
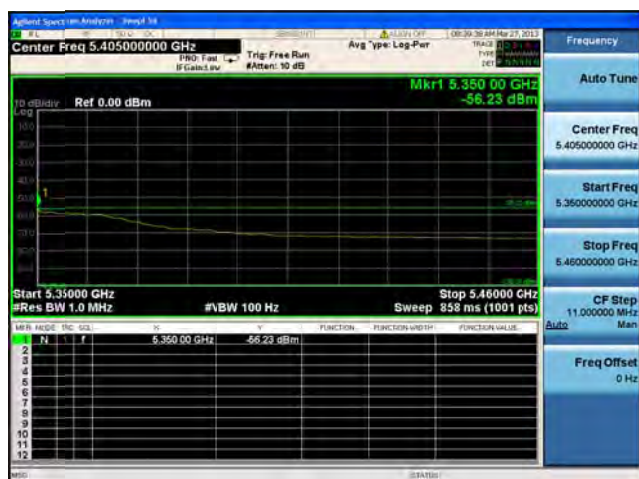
Marker: Mkr1 5.350 00 GHz -33.90 dBm

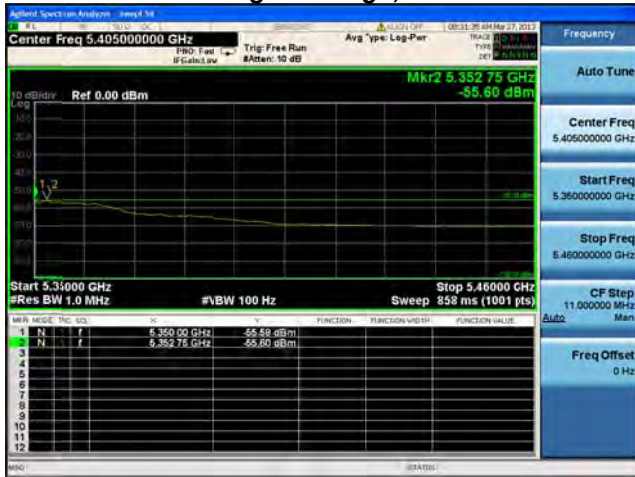
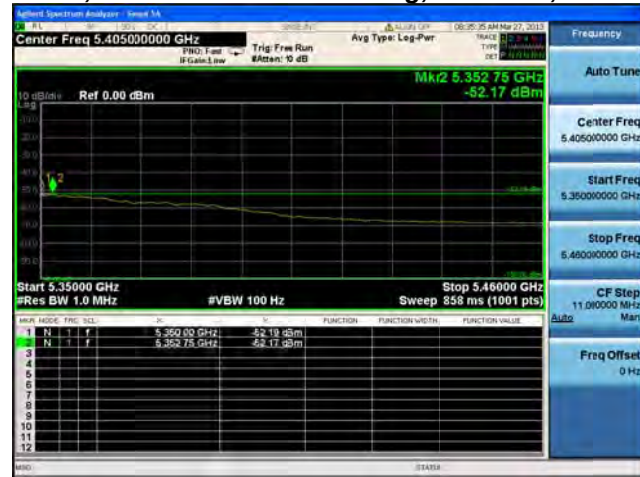
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Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C****Antenna D**

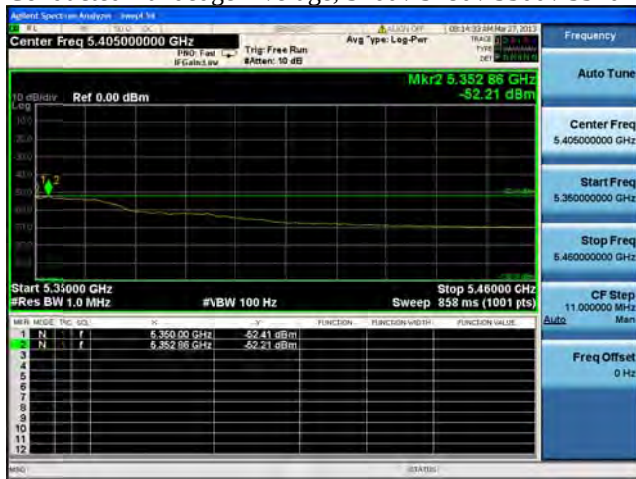
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**

Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C****Antenna D**

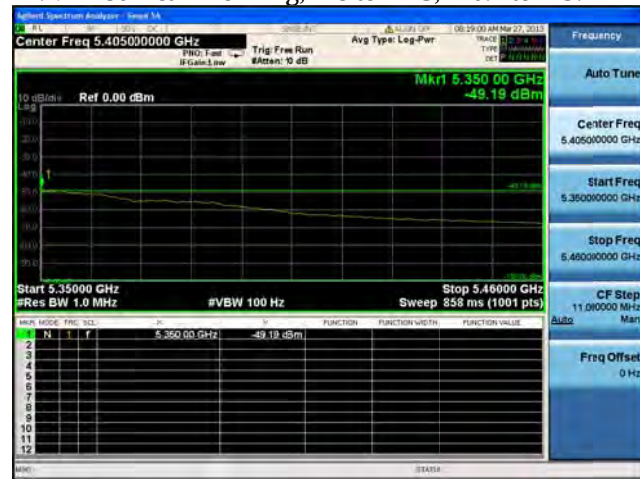
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2



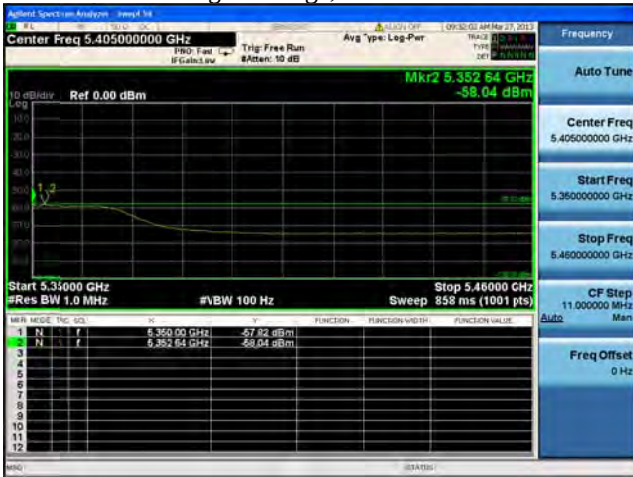
Antenna A



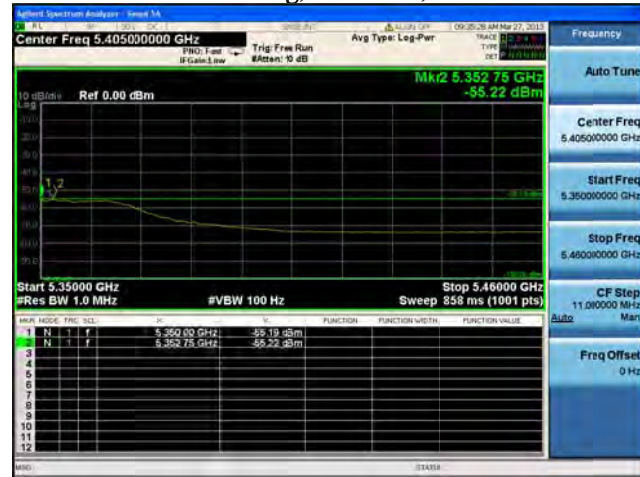
Antenna B



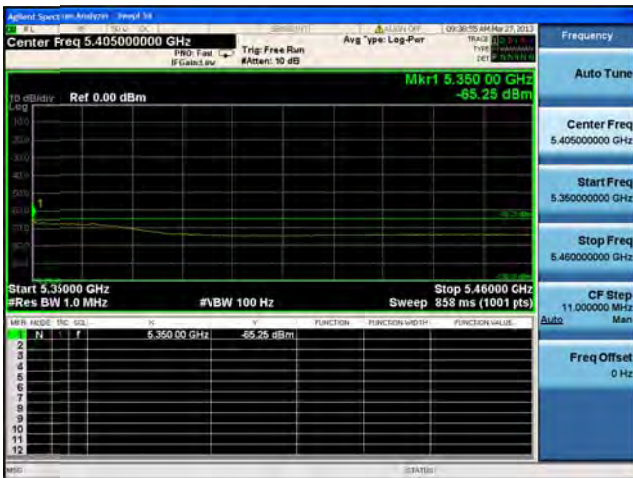
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1



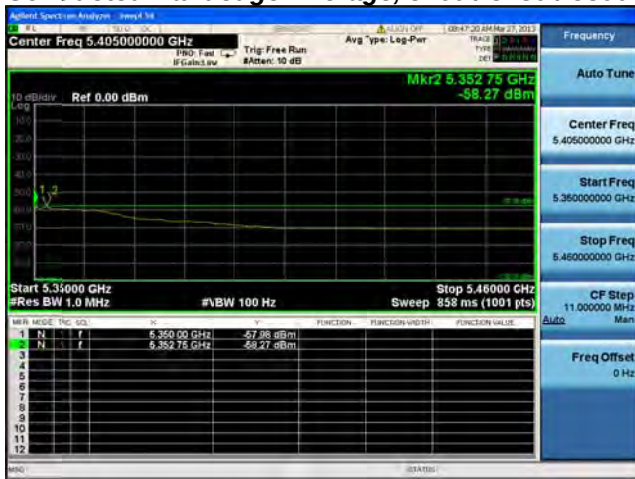
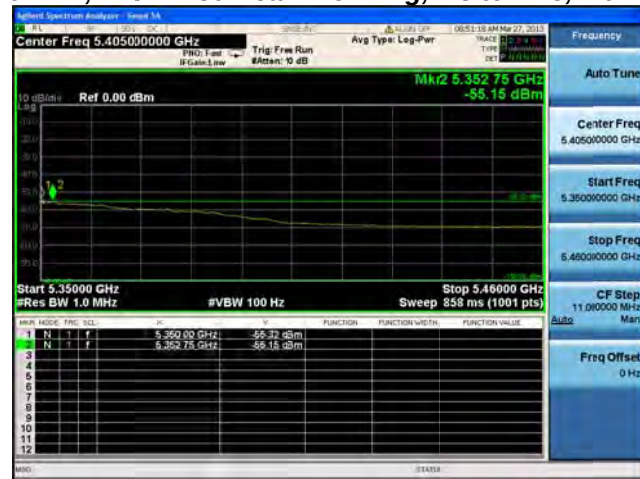
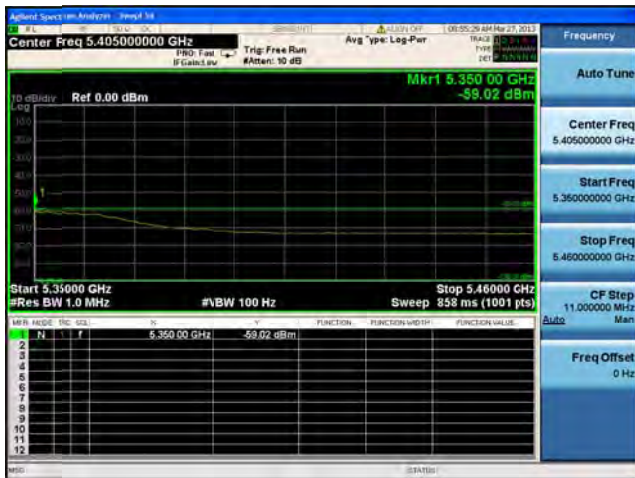
Antenna A

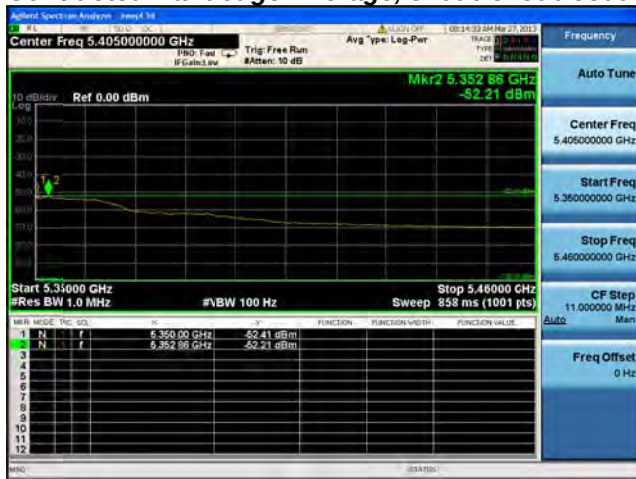
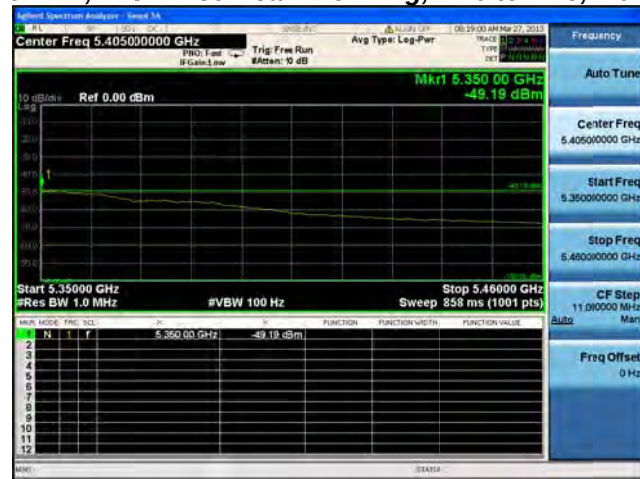
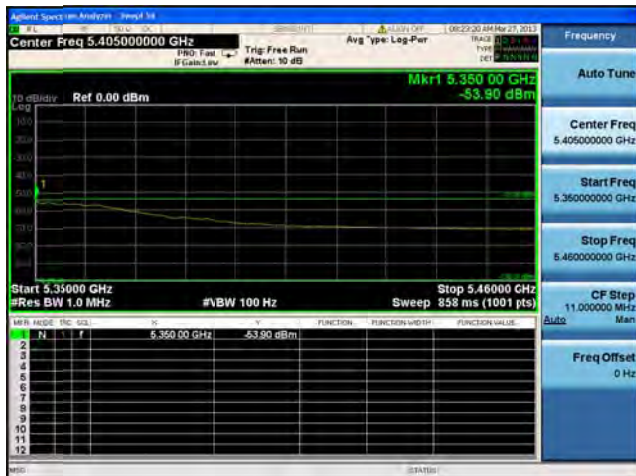


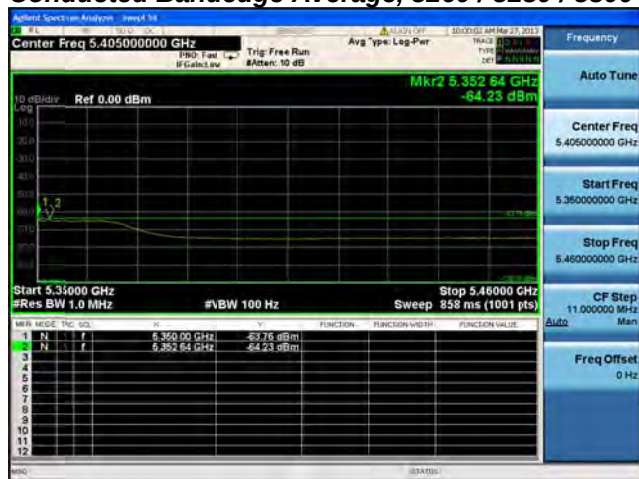
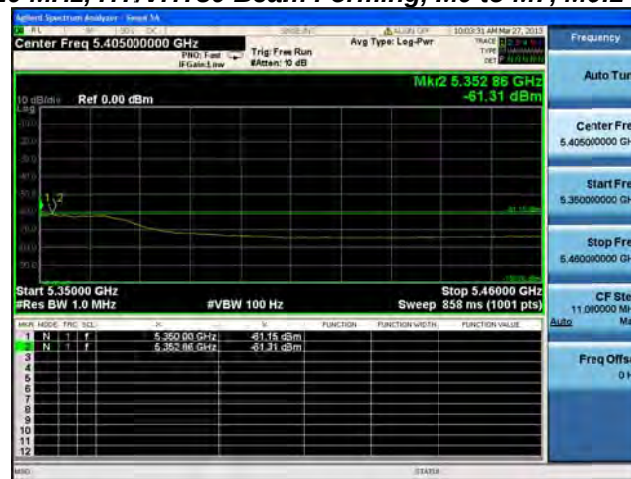
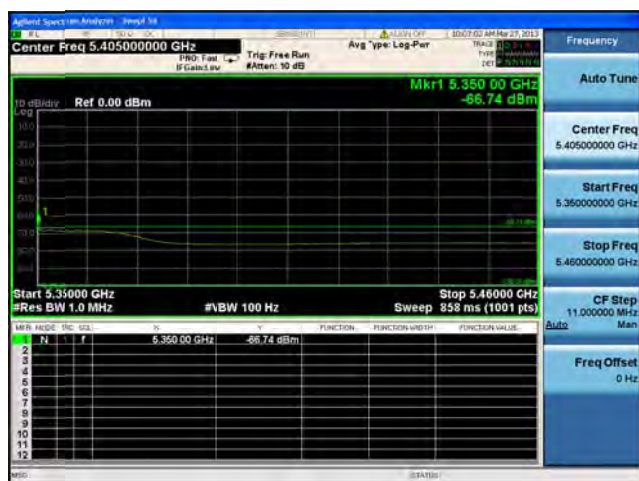
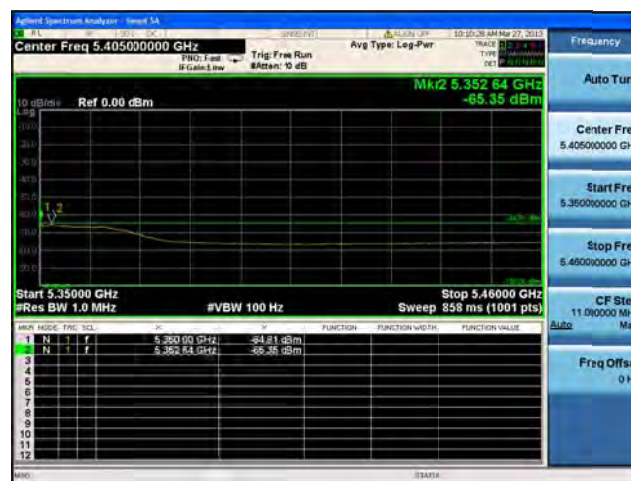
Antenna B

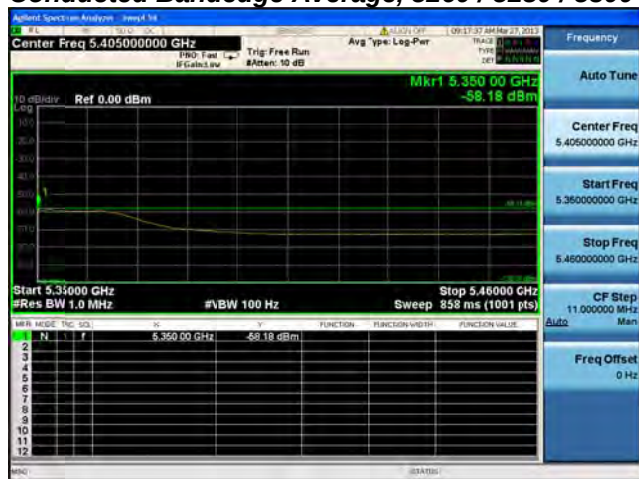
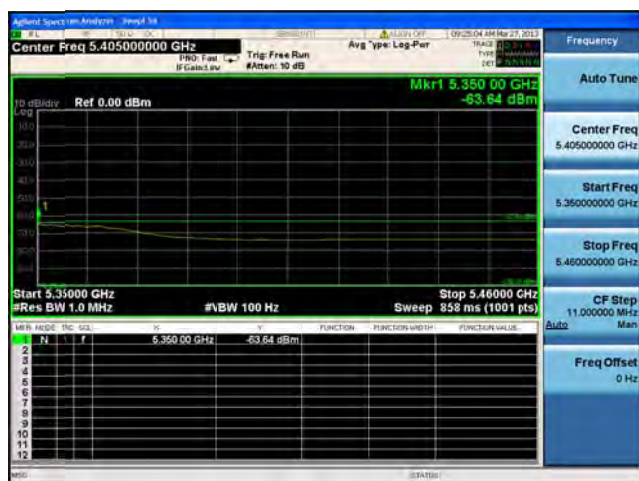
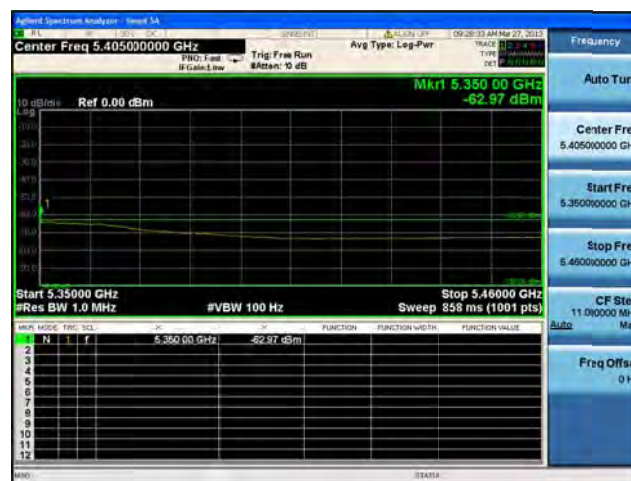


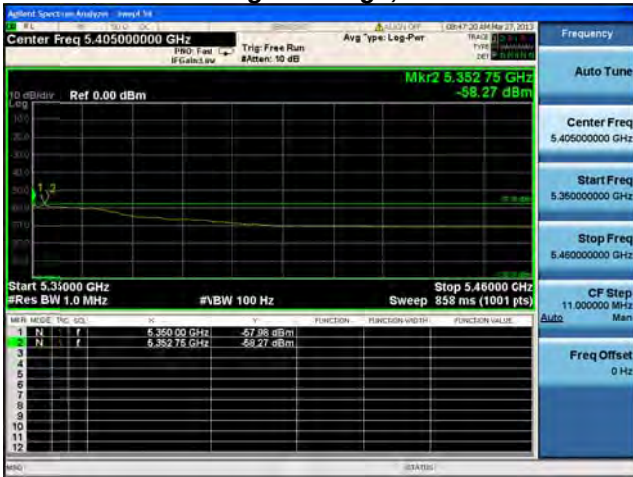
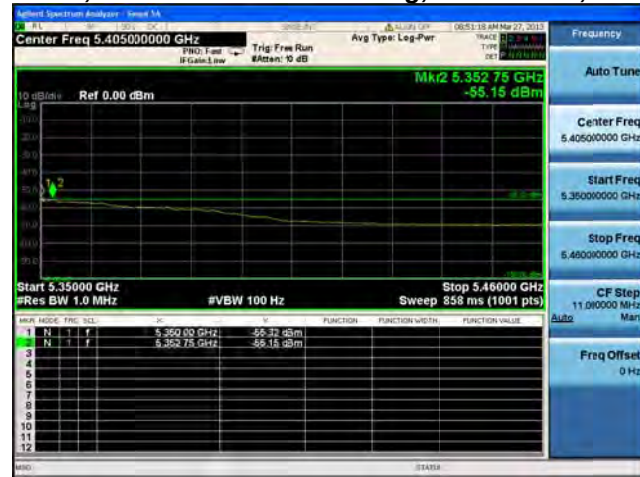
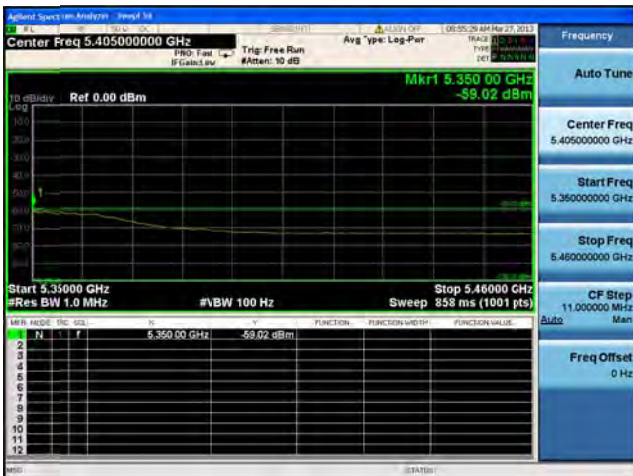
Antenna C

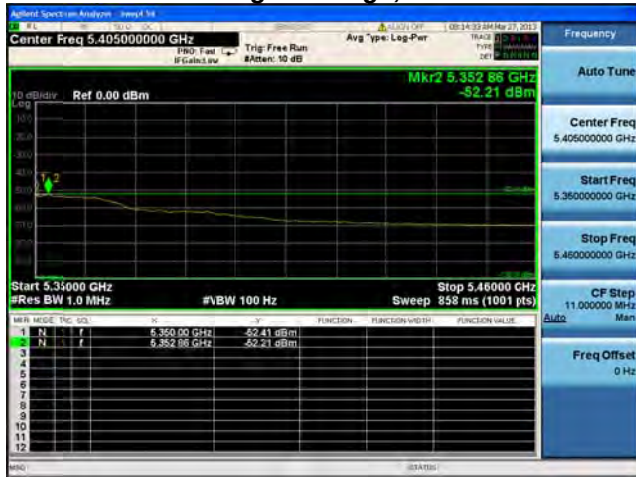
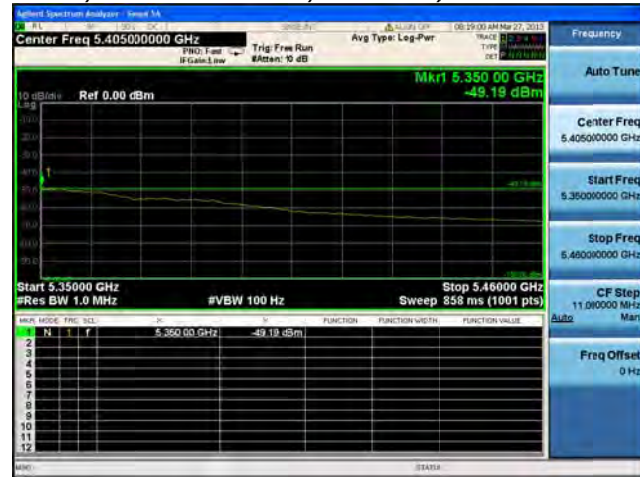
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C**

**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

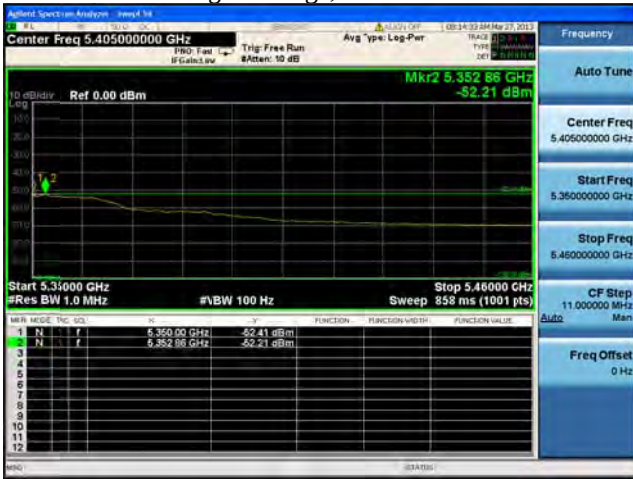
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

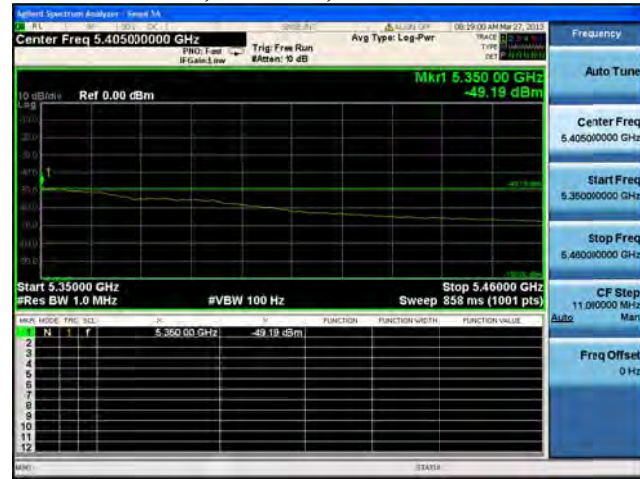
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



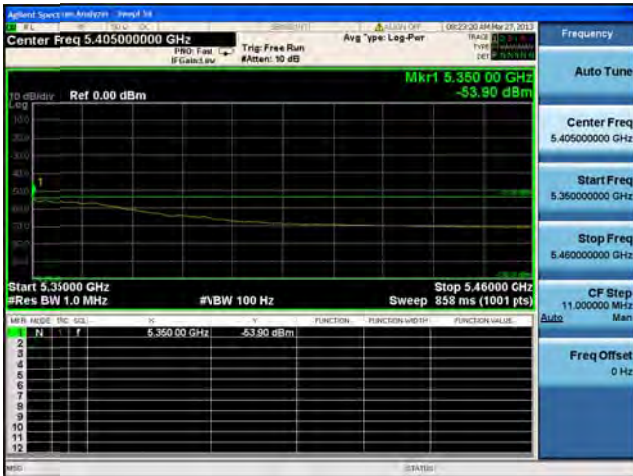
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1



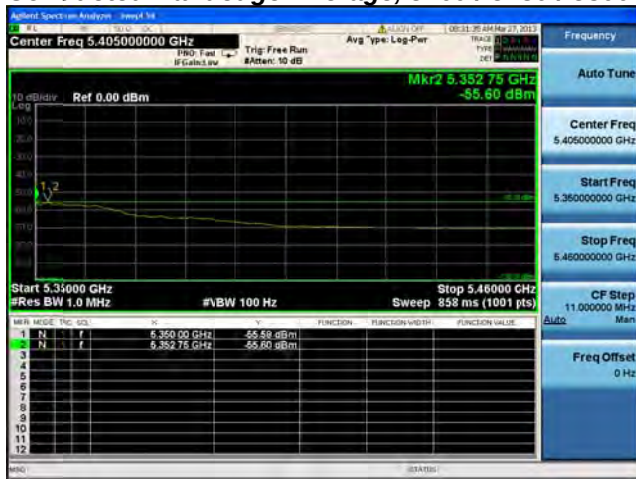
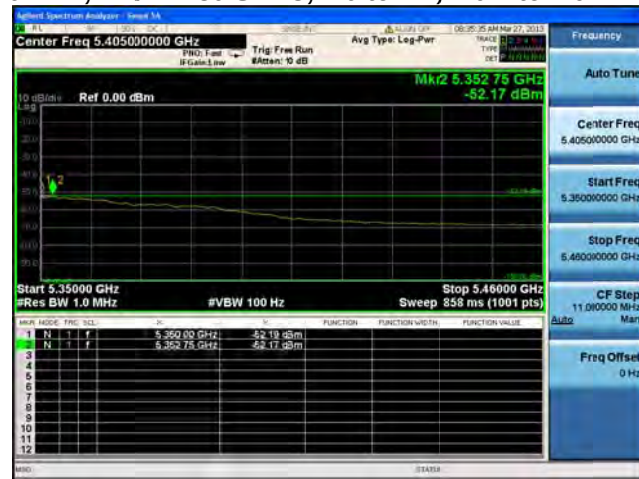
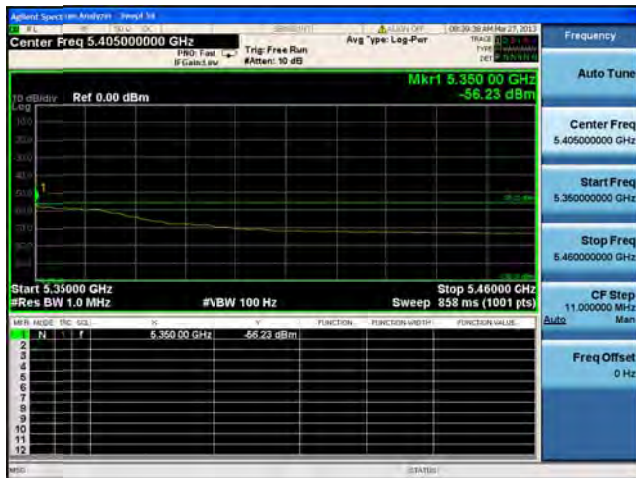
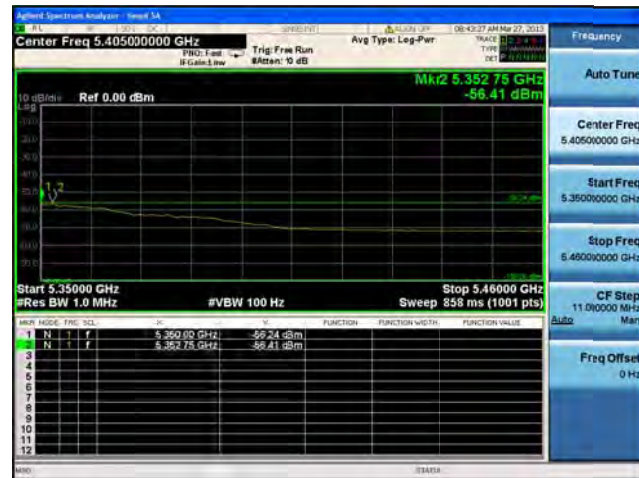
Antenna A

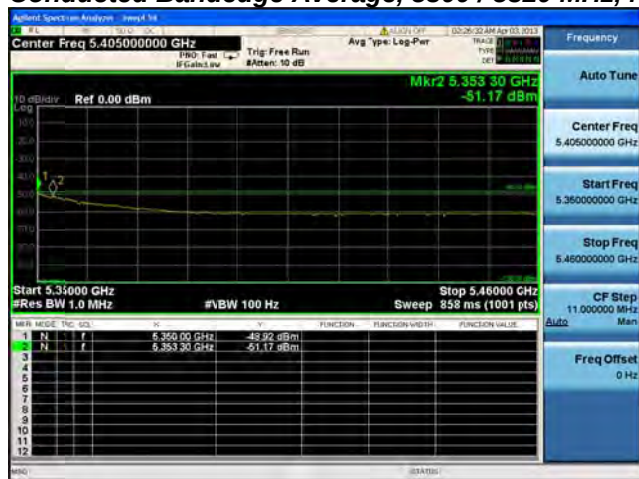


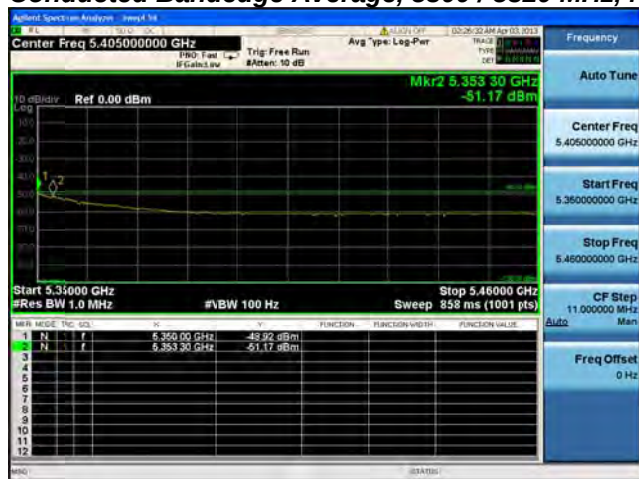
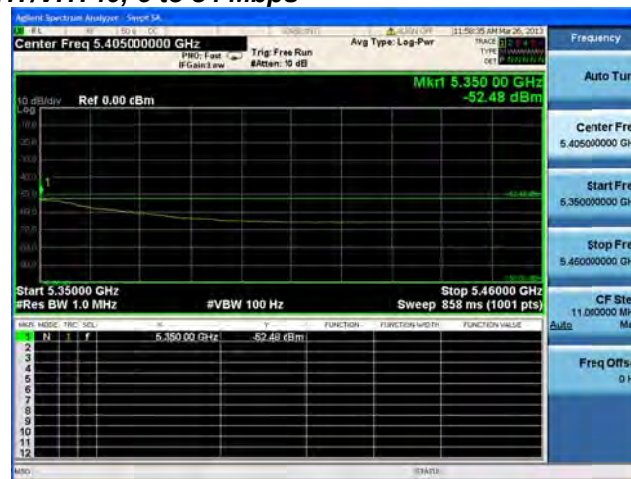
Antenna B



Antenna C

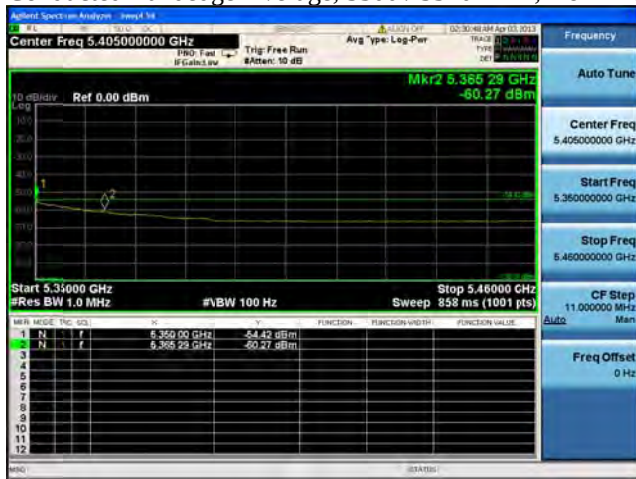
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C****Antenna D**

Conducted Bandedge Average, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A**

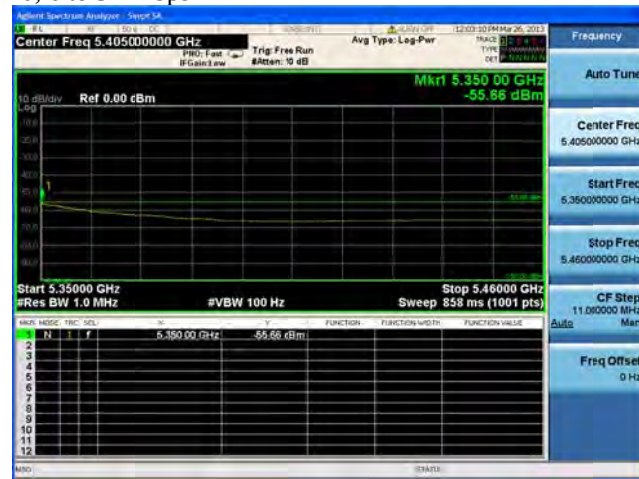
Conducted Bandedge Average, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A****Antenna B**



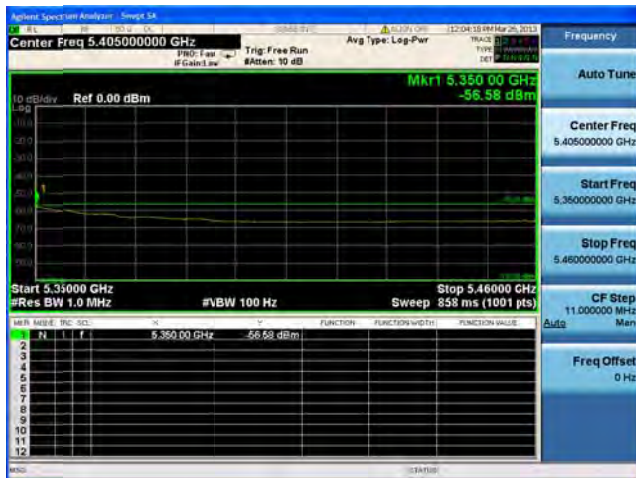
Conducted Bandedge Average, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps



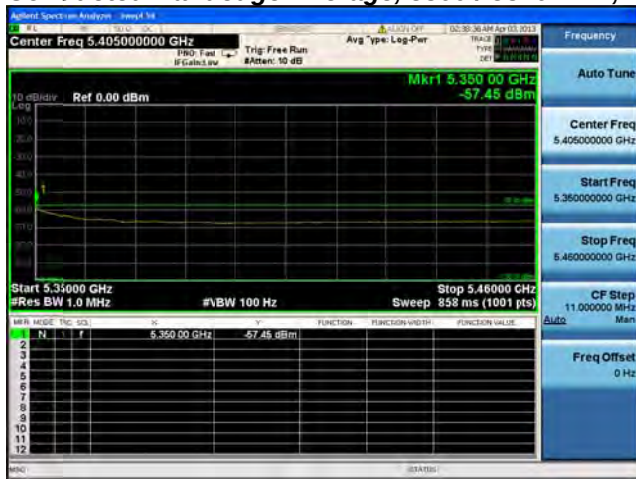
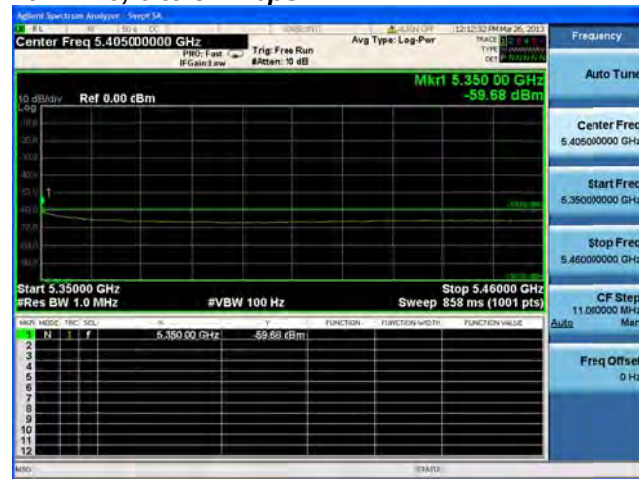
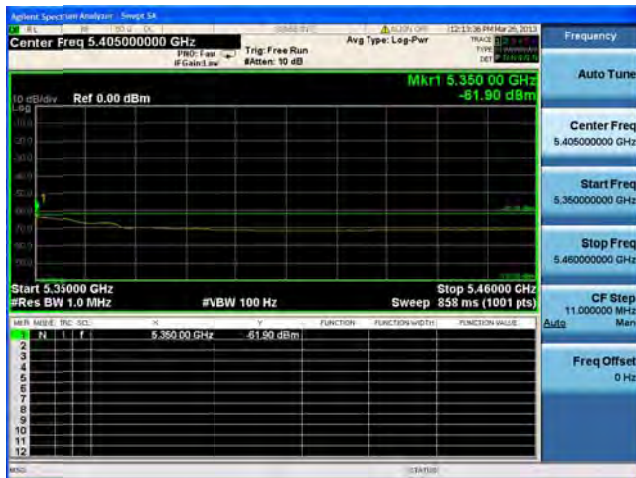
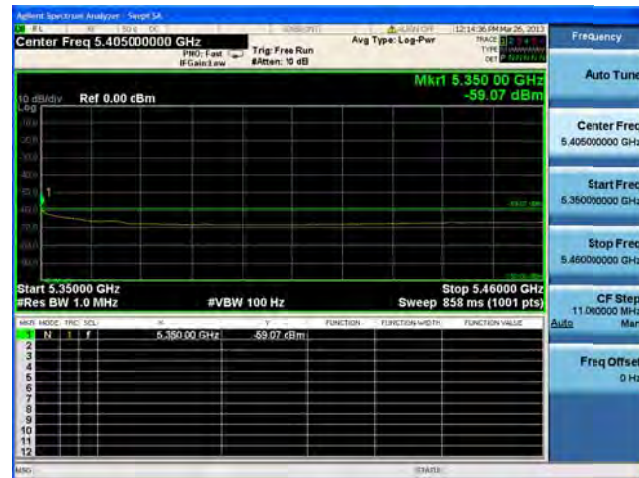
Antenna A

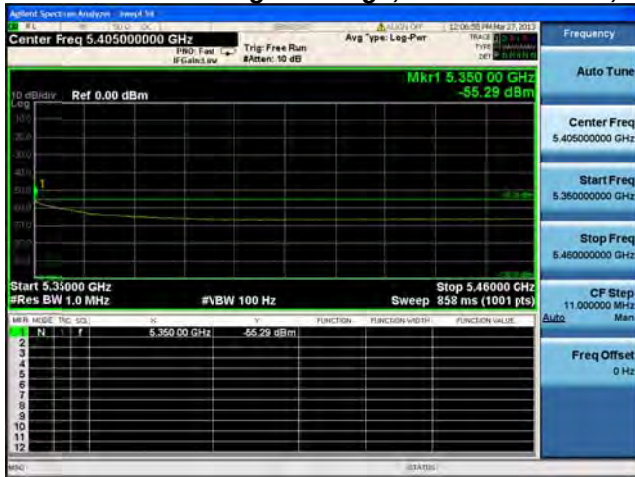


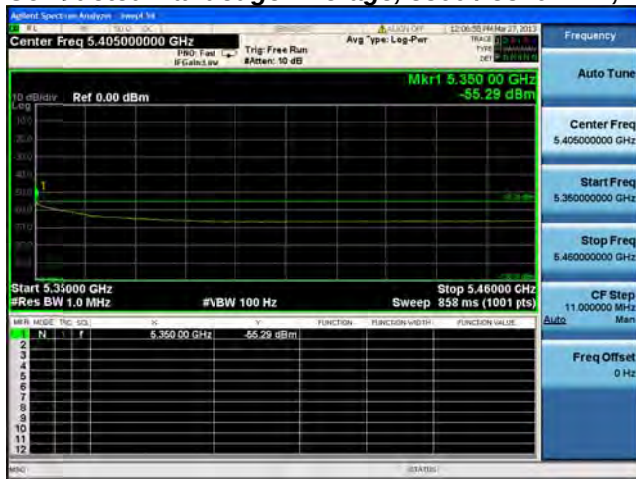
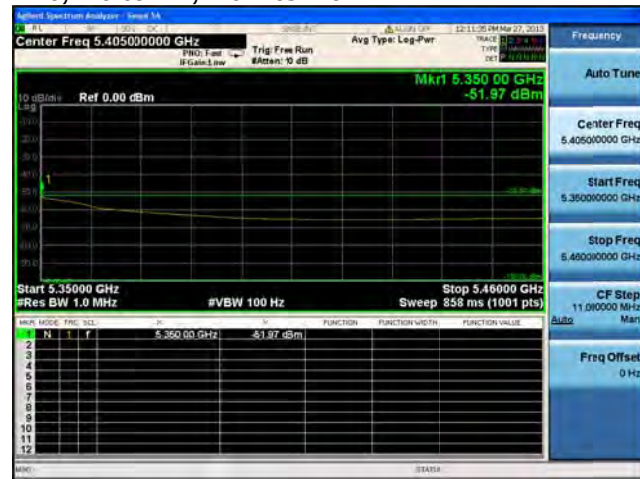
Antenna B



Antenna C

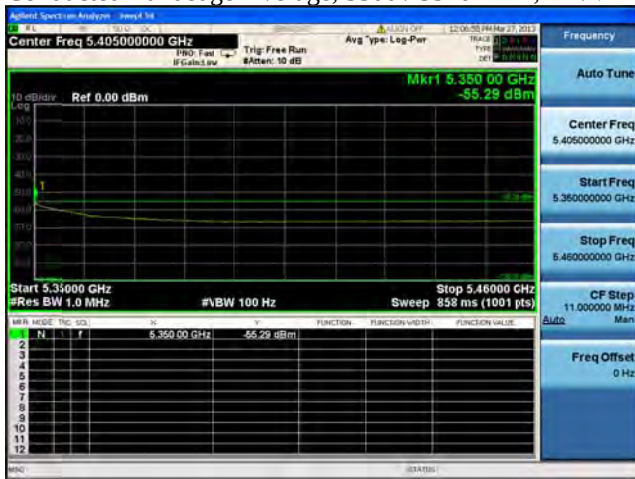
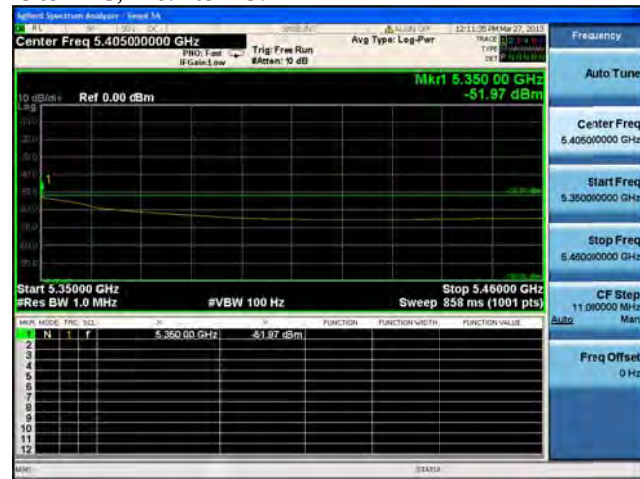
**Conducted Bandedge Average, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

**Conducted Bandedge Average, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A**

**Conducted Bandedge Average, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**

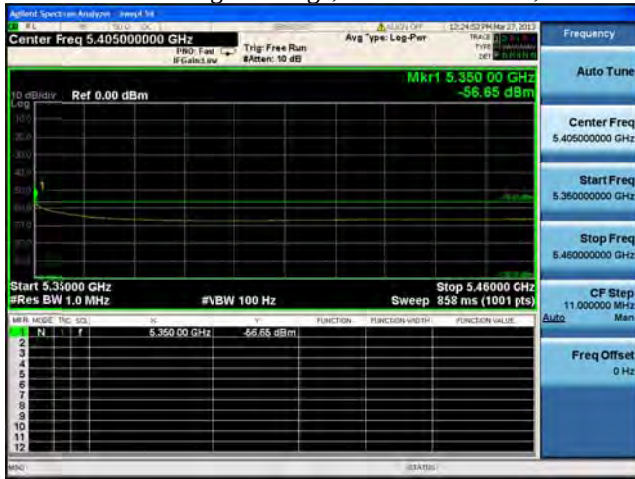


Conducted Bandedge Average, 5300 / 5320 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2

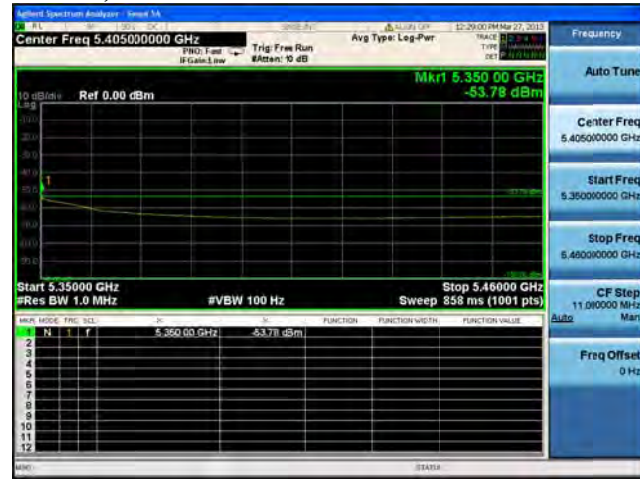
**Antenna A****Antenna B**



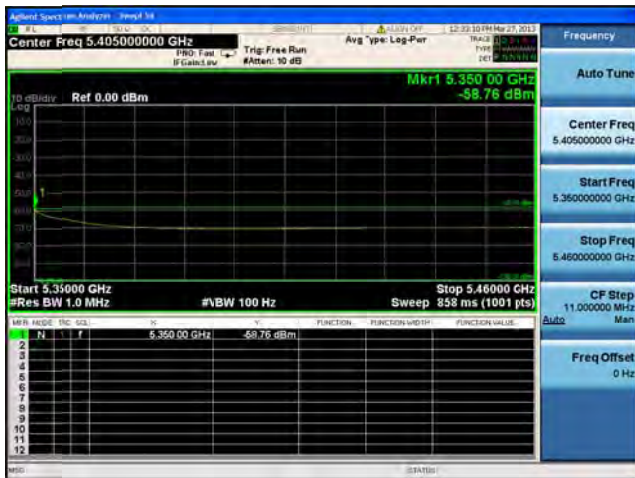
Conducted Bandedge Average, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1



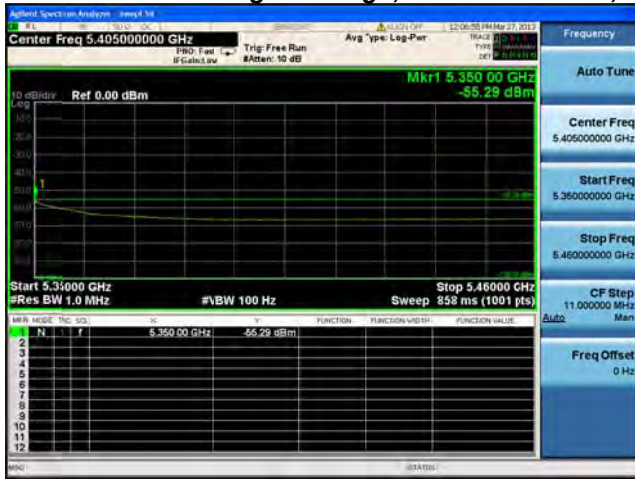
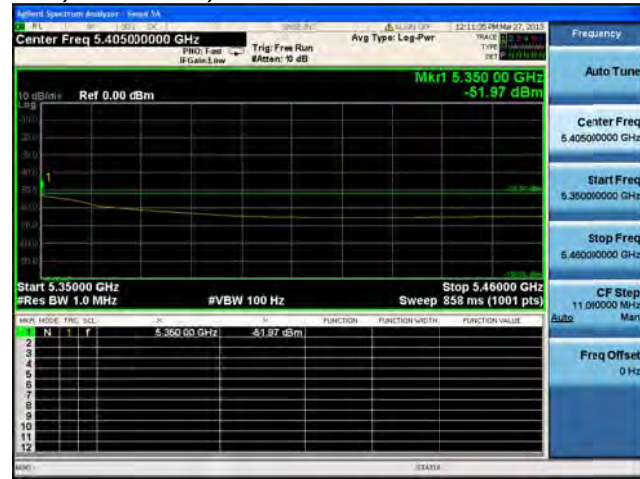
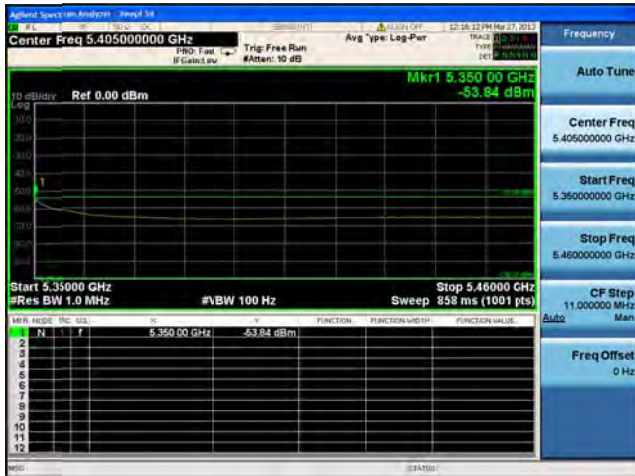
Antenna A



Antenna B



Antenna C

**Conducted Bandedge Average, 5300 / 5320 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**