



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

170 West Tasman Drive

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	20	19
Non HT-20 Beam Forming, 6 to 54 Mbps	20	19
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	21
HT-40, M0 to M23, M0.1 to M9.3	23	22
HT-40 STBC, M0 to M7, M0.1 to M9.1	23	22
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	23	
HT-80 STBC, M0 to M7, M0.1 to M9.1	23	
HT-80 Beam Forming, M0 to M23, M0.1 to M9.3	22	



99% and 26dB Bandwidth

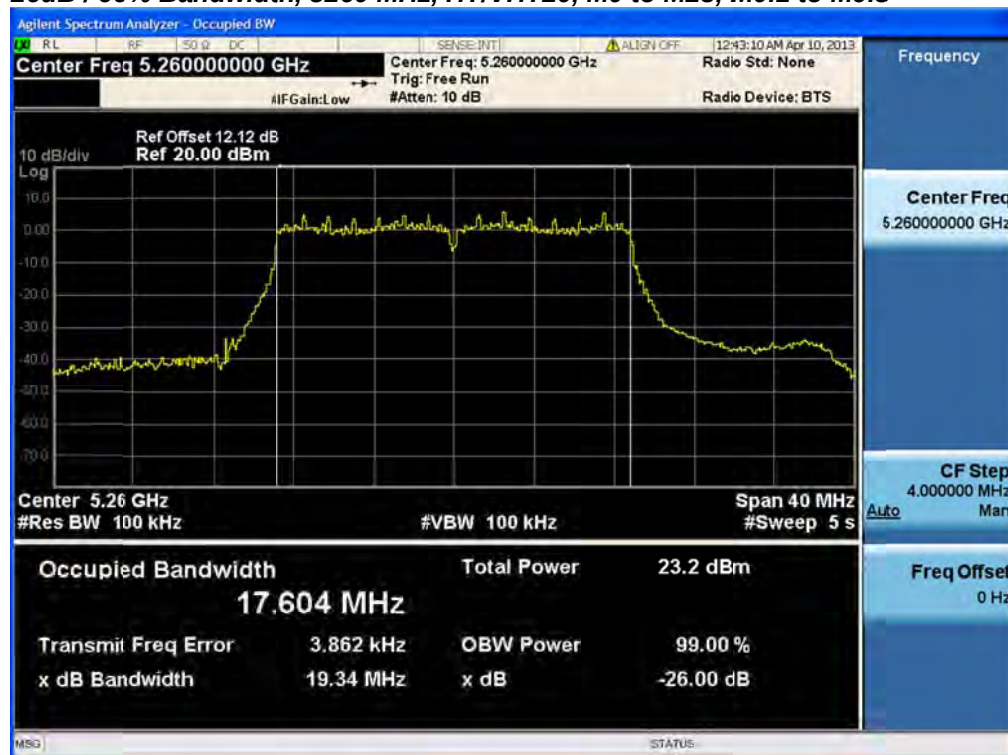
Connect the antenna port(s) to the spectrum analyzer input. Using the spectrum analyzer Channel Bandwidth mode, configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

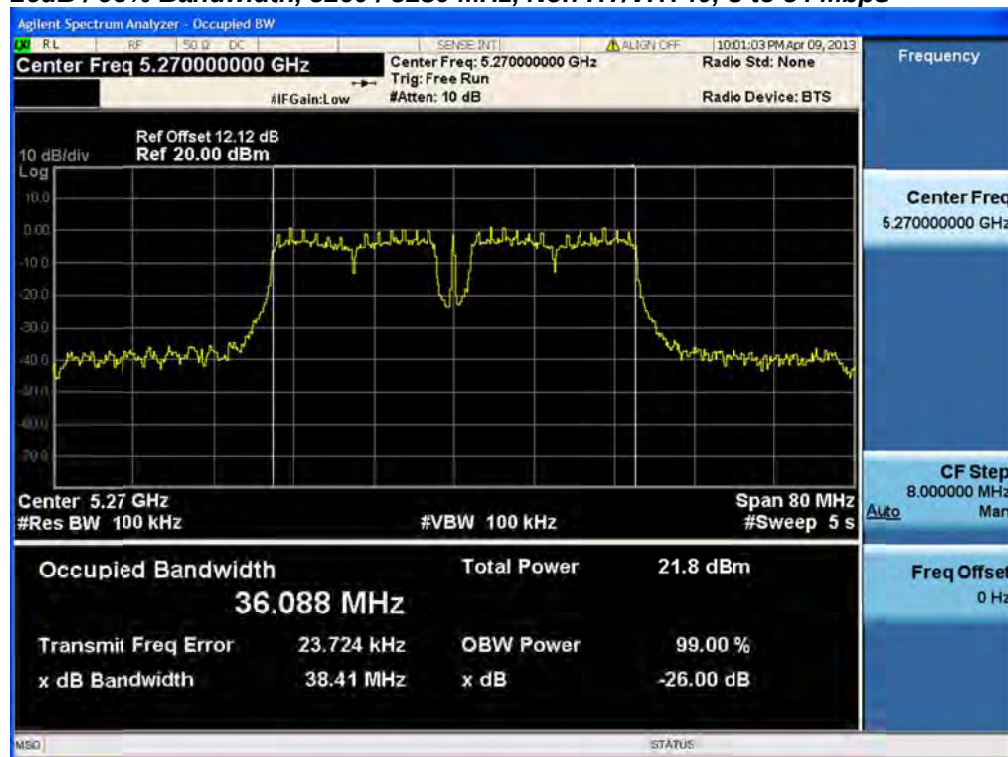
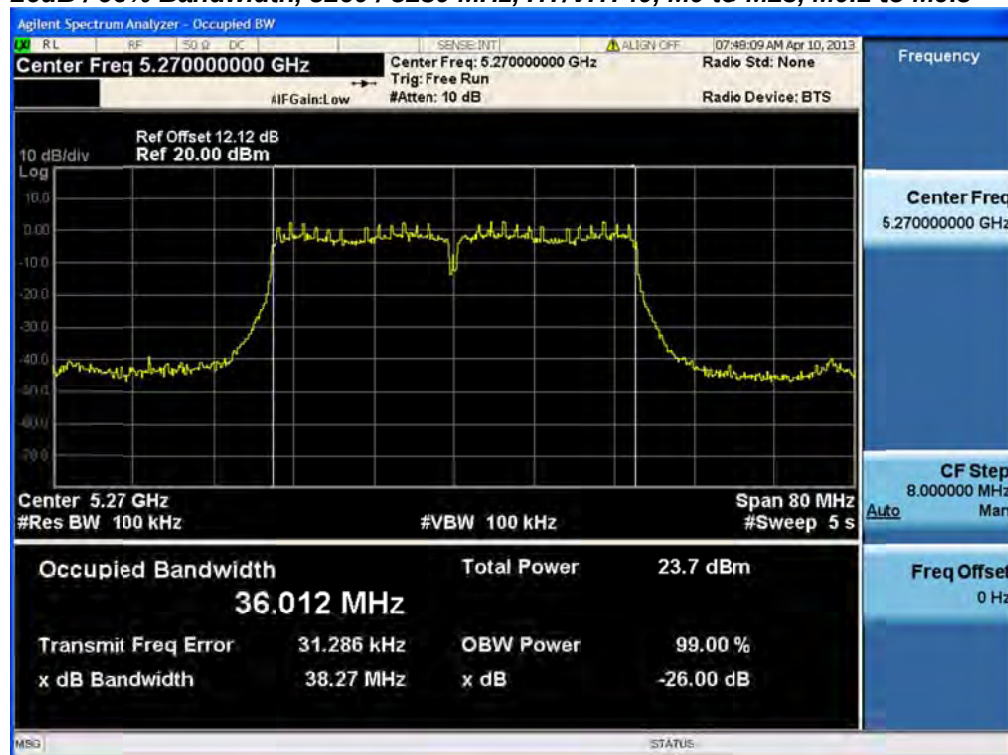
Center Frequency:	Frequency from table below
Span:	2 x Nominal Bandwidth (e.g. 40MHz for a 20MHz channel)
Reference Level:	20 dBm
Attenuation:	10 dB
Sweep Time:	5 s
Resolution Bandwidth:	1%-3% of 26 dB Bandwidth
Video Bandwidth:	≥Resolution Bandwidth
X dB Bandwidth:	26 dB
Detector:	Peak
Trace:	Single

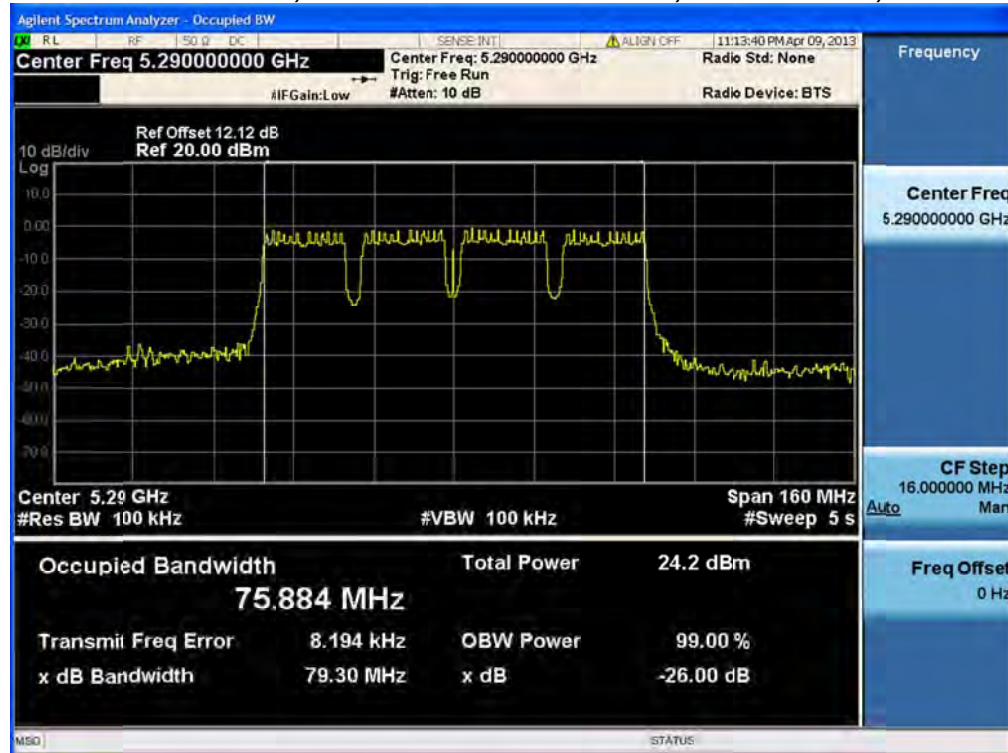
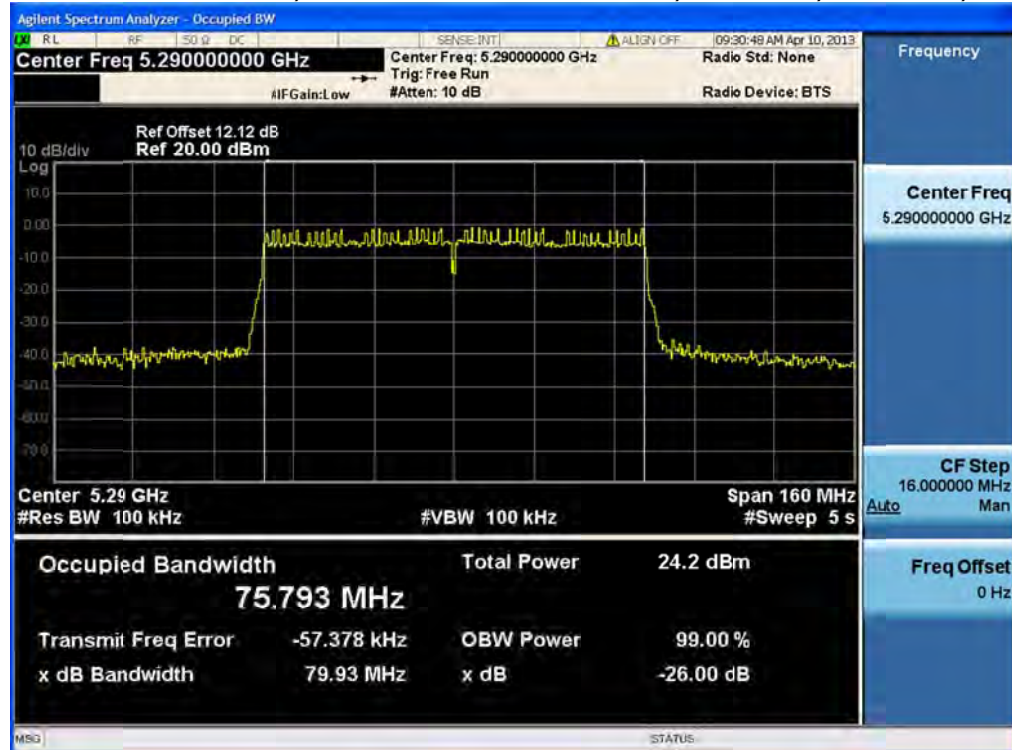
Place the radio in continuous transmit mode. View the transmitter waveform on the spectrum analyzer, and record the pertinent measurements:

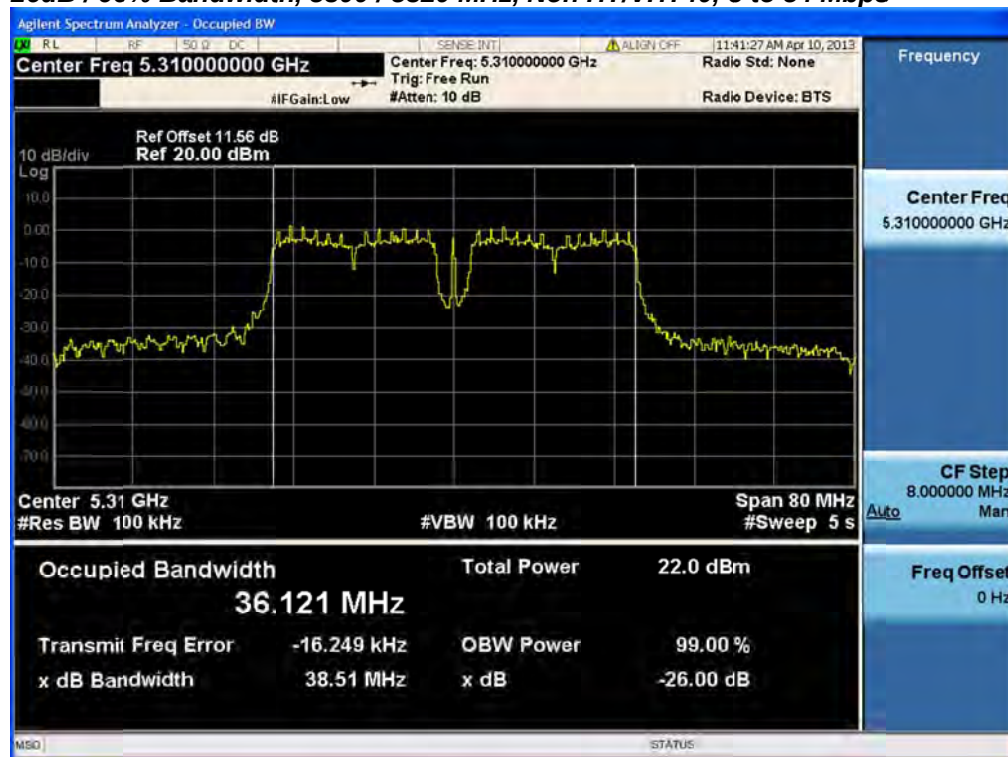
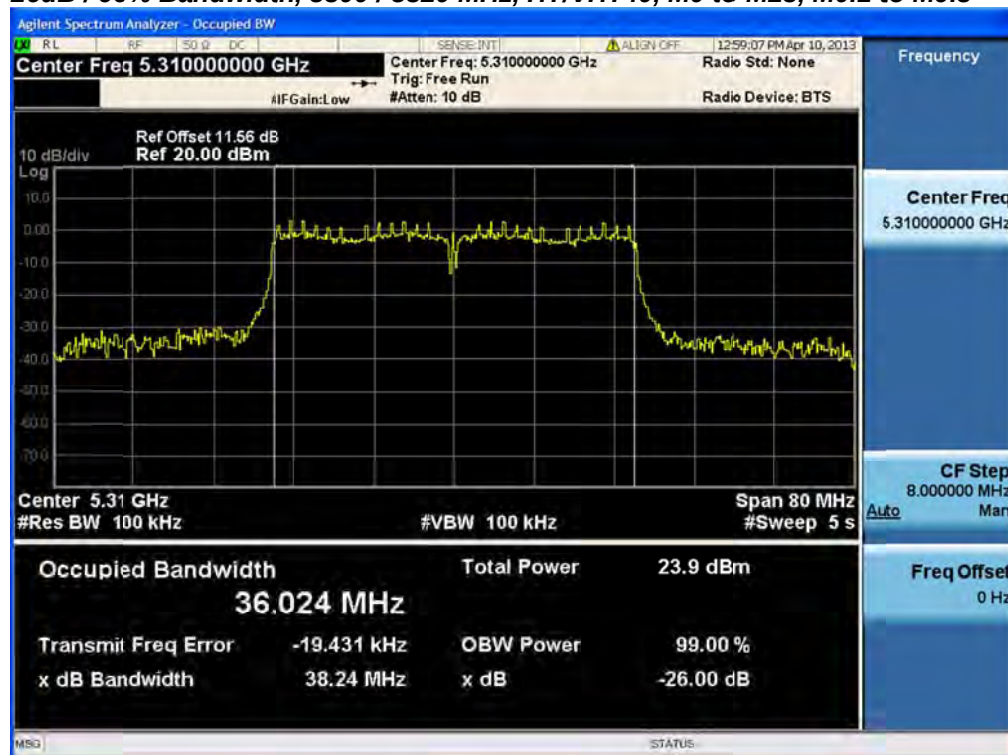


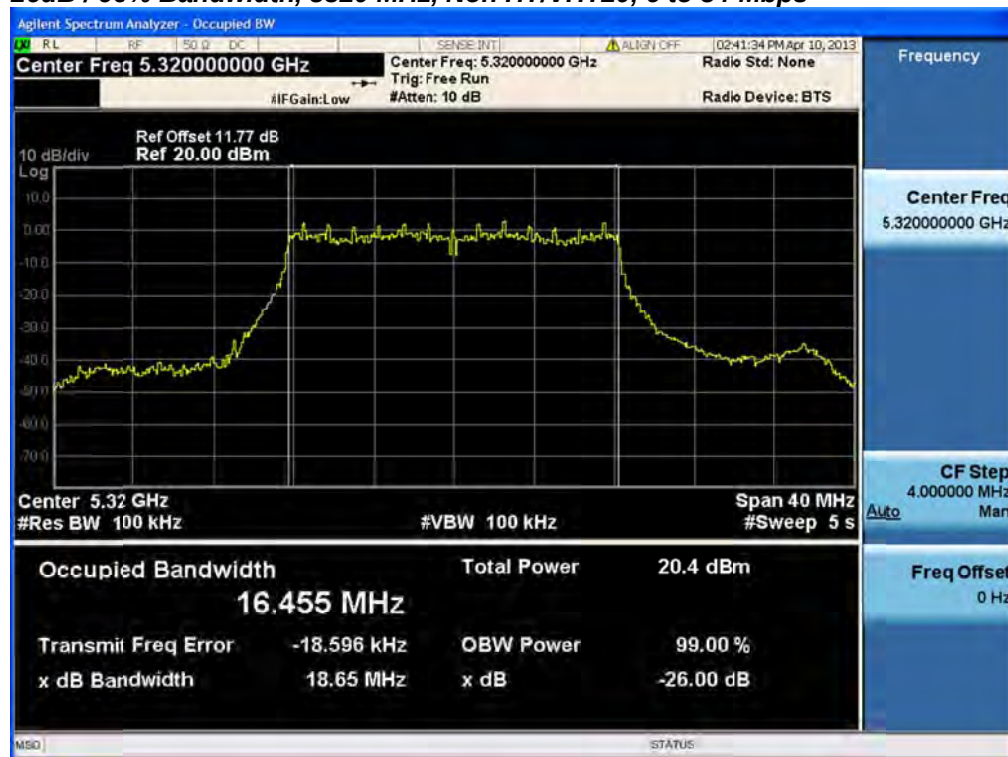
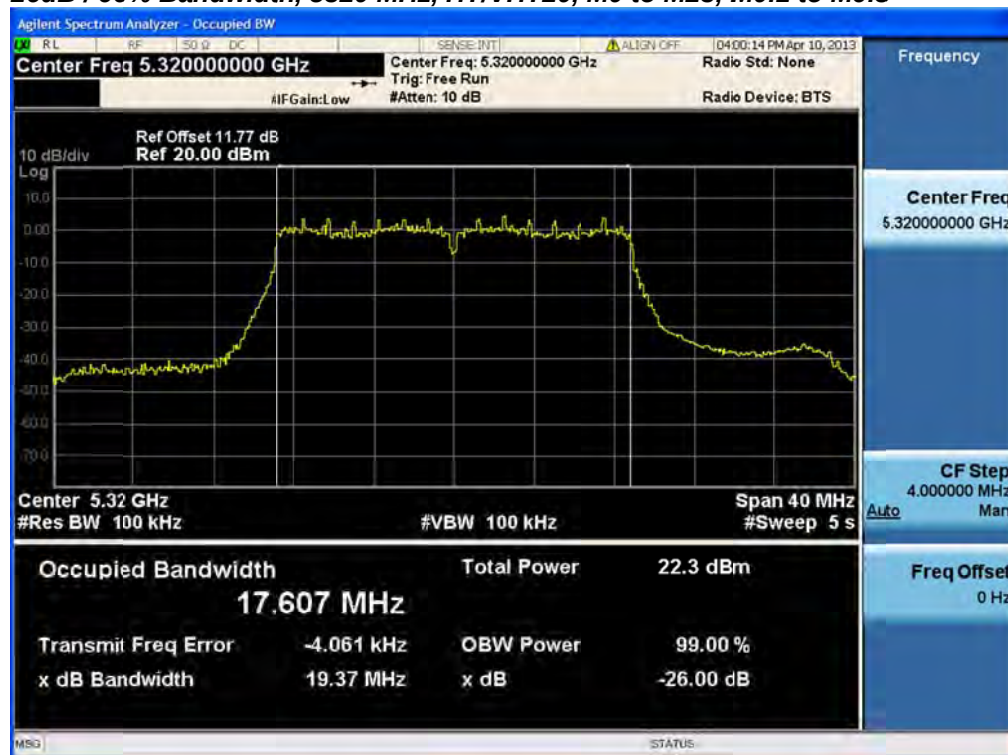
Frequency (MHz)	Mode	Data Rate (Mbps)	26dB BW (MHz)	99% BW (MHz)
5260	Non HT/VHT20, 6 to 54 Mbps	6	<u>18.6</u>	16.5
	HT/VHT20, M0 to M23, M0.1 to M9.3	m0	<u>19.4</u>	17.6
5260/5280	Non HT/VHT40, 6 to 54 Mbps	6	<u>38.4</u>	36.1
	HT/VHT40, M0 to M23, M0.1 to M9.3	m0	<u>38.3</u>	36
5260/5280 5300/5320	Non 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 4dBi. 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 4dBi. 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	4	<u>16.2</u>				16.2	23.72	7.5
	Non HT/VHT20, 6 to 54 Mbps	2	4	<u>16.2</u>	<u>17.5</u>			19.9	23.7	3.8
	Non HT/VHT20, 6 to 54 Mbps	3	4	<u>13.4</u>	<u>14.1</u>	<u>14.0</u>		18.6	23.72	5.1
	Non HT/VHT20, 6 to 54 Mbps	4	4	<u>10.4</u>	<u>11.2</u>	<u>11.0</u>	<u>11.0</u>	16.9	23.7	6.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	7	<u>16.2</u>	<u>17.5</u>			19.9	22.7	2.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	9	<u>12.3</u>	<u>13.1</u>	<u>13.0</u>		17.6	20.92	3.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	10	<u>10.4</u>	<u>11.2</u>	<u>11.0</u>	<u>11.0</u>	16.9	19.7	2.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	4	<u>16.4</u>				16.4	23.88	7.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	4	<u>16.4</u>	<u>17.8</u>			20.2	23.88	3.7
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	4	<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	4	<u>13.4</u>	<u>14.3</u>	<u>14.1</u>		18.7	23.88	5.2
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	4	<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	4	<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	4	<u>10.6</u>	<u>11.3</u>	<u>11.1</u>	<u>11.0</u>	17.0	23.88	6.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	4	<u>13.4</u>	<u>14.3</u>	<u>14.1</u>	<u>13.7</u>	19.9	23.88	4.0
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	4	<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	7	<u>16.4</u>	<u>17.8</u>			20.2	22.88	2.7
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>12.4</u>	<u>13.3</u>	<u>13.1</u>		17.7	21.08	3.4
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>15.3</u>	<u>16.5</u>	<u>16.4</u>		20.9	23.88	3.0
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>10.6</u>	<u>11.3</u>	<u>11.1</u>	<u>11.0</u>	17.0	19.88	2.9
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>13.4</u>	<u>14.3</u>	<u>14.1</u>	<u>13.7</u>	19.9	22.88	3.0
	HT/VHT20 Beam Forming, 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 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	4	<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	4	<u>13.4</u>	<u>14.3</u>	<u>14.1</u>	<u>13.7</u>	19.9	23.88	4.0



5260/5280	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>17.0</u>				17.0	24	7.0
	Non HT/VHT40, 6 to 54 Mbps	2	4	<u>17.0</u>	<u>18.3</u>			20.7	24	3.3
	Non HT/VHT40, 6 to 54 Mbps	3	4	<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	4	<u>13.7</u>	<u>14.8</u>	<u>14.5</u>	<u>14.2</u>	20.3	24	3.7
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	4	<u>16.4</u>				16.4	24	7.6
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	4	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	4	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	4	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>		20.9	24	3.1
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	4	<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	4	<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	4	<u>13.4</u>	<u>14.5</u>	<u>14.0</u>	<u>13.9</u>	20.0	24	4.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	4	<u>16.4</u>	<u>17.8</u>	<u>17.6</u>	<u>17.0</u>	23.3	24	0.7
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	4	<u>16.4</u>	<u>17.8</u>	<u>17.6</u>	<u>17.0</u>	23.3	24	0.7
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>16.4</u>	<u>17.8</u>			20.2	23	2.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>12.6</u>	<u>13.4</u>	<u>13.0</u>		17.8	21.2	3.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>		20.9	24	3.1
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>10.6</u>	<u>11.2</u>	<u>11.0</u>	<u>11.0</u>	17.0	20	3.0
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>13.4</u>	<u>14.5</u>	<u>14.0</u>	<u>13.9</u>	20.0	23	3.0
	HT/VHT40 Beam Forming, 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 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	4	<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	4	<u>16.4</u>	<u>17.8</u>	<u>17.6</u>	<u>17.0</u>	23.3	24	0.7
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	4	<u>16.6</u>				16.6	24	7.4
	Non HT/VHT80, 6 to 54 Mbps	2	4	<u>16.6</u>	<u>17.8</u>			20.3	24	3.7
	Non HT/VHT80, 6 to 54 Mbps	3	4	<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	4	<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	4	<u>16.2</u>				16.2	24	7.8
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	4	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	4	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	4	<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	4	<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	4	<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	4	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>	<u>16.7</u>	22.7	24	1.3
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	4	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>	<u>16.7</u>	22.7	24	1.3
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	4	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>	<u>16.7</u>	22.7	24	1.3
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>15.1</u>	<u>16.1</u>			18.6	23	4.4
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>12.2</u>	<u>12.8</u>	<u>12.2</u>		17.2	21.2	4.0



	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>		20.4	24	3.6
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>10.2</u>	<u>10.5</u>	<u>10.1</u>	<u>10.7</u>	16.4	20	3.6
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>13.1</u>	<u>13.5</u>	<u>13.2</u>	<u>13.4</u>	19.3	23	3.7
	HT/VHT80 Beam Forming, 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 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	4	<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	4	<u>16.2</u>	<u>17.2</u>	<u>16.7</u>	<u>16.7</u>	22.7	24	1.3
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>16.0</u>				16.0	24	8.0
	Non HT/VHT40, 6 to 54 Mbps	2	4	<u>16.0</u>	<u>17.1</u>			19.6	24	4.4
	Non HT/VHT40, 6 to 54 Mbps	3	4	<u>16.0</u>	<u>17.1</u>	<u>16.4</u>		21.3	24	2.7
	Non HT/VHT40, 6 to 54 Mbps	4	4	<u>13.8</u>	<u>14.8</u>	<u>13.9</u>	<u>14.3</u>	20.2	24	3.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	4	<u>15.5</u>				15.5	24	8.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	4	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	4	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	4	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>		20.7	24	3.3
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	4	<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	4	<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	4	<u>13.5</u>	<u>14.1</u>	<u>13.5</u>	<u>13.8</u>	19.8	24	4.2
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	4	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>	<u>15.9</u>	21.9	24	2.1
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	4	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>	<u>15.9</u>	21.9	24	2.1
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>15.5</u>	<u>16.5</u>			19.0	23	4.0
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>11.4</u>	<u>11.9</u>	<u>11.5</u>		16.4	21.2	4.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>		19.5	24	4.5
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>9.7</u>	<u>9.8</u>	<u>9.1</u>	<u>9.8</u>	15.6	20	4.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>12.5</u>	<u>12.9</u>	<u>12.2</u>	<u>12.6</u>	18.6	23	4.4
	HT/VHT40 Beam Forming, 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 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	4	<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	4	<u>15.5</u>	<u>16.5</u>	<u>15.7</u>	<u>15.9</u>	21.9	24	2.1



5320	Non HT/VHT20, 6 to 54 Mbps	1	4	<u>15.3</u>				15.3	23.72	8.4
	Non HT/VHT20, 6 to 54 Mbps	2	4	<u>15.3</u>	<u>15.9</u>			18.6	23.72	5.1
	Non HT/VHT20, 6 to 54 Mbps	3	4	<u>13.3</u>	<u>13.6</u>	<u>13.2</u>		18.1	23.7	5.6
	Non HT/VHT20, 6 to 54 Mbps	4	4	<u>10.4</u>	<u>10.5</u>	<u>10.0</u>	<u>10.6</u>	16.4	23.7	7.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	7	<u>15.3</u>	<u>15.9</u>			18.6	22.72	4.1
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	9	<u>11.3</u>	<u>11.6</u>	<u>11.1</u>		16.1	20.9	4.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	10	<u>9.8</u>	<u>9.6</u>	<u>9.1</u>	<u>9.8</u>	15.6	19.7	4.1
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	4	<u>15.1</u>				15.1	23.88	8.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	4	<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	4	<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	4	<u>13.2</u>	<u>13.6</u>	<u>12.9</u>		18.0	23.88	5.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	4	<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	4	<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	4	<u>10.3</u>	<u>10.5</u>	<u>9.7</u>	<u>10.5</u>	16.3	23.88	7.6
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	4	<u>13.2</u>	<u>13.6</u>	<u>12.9</u>	<u>13.4</u>	19.3	23.88	4.6
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	4	<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	7	<u>15.1</u>	<u>16.0</u>			18.6	22.88	4.3
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>11.3</u>	<u>11.5</u>	<u>10.7</u>		16.0	21.08	5.1
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>14.1</u>	<u>14.8</u>	<u>14.0</u>		19.1	23.88	4.8
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>9.4</u>	<u>9.5</u>	<u>8.7</u>	<u>9.5</u>	15.3	19.88	4.6
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>	<u>12.5</u>	18.3	22.88	4.5
	HT/VHT20 Beam Forming, 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 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	4	<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	4	<u>13.2</u>	<u>13.6</u>	<u>12.9</u>	<u>13.4</u>	19.3	23.88	4.6



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	4	<u>5.8</u>				5.8	11.0	5.2
	Non HT/VHT20, 6 to 54 Mbps	2	7	<u>5.8</u>	<u>7.4</u>			9.7	10.0	0.3
	Non HT/VHT20, 6 to 54 Mbps	3	9	<u>2.9</u>	<u>3.6</u>	<u>3.3</u>		8.0	8.2	0.2
	Non HT/VHT20, 6 to 54 Mbps	4	10	<u>0.2</u>	<u>0.8</u>	<u>1.1</u>	<u>0.9</u>	6.8	7.0	0.2
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	7	<u>5.8</u>	<u>7.4</u>			9.7	10.0	0.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	9	<u>2.3</u>	<u>2.8</u>	<u>2.9</u>		7.4	8.2	0.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	10	<u>0.2</u>	<u>0.8</u>	<u>1.1</u>	<u>0.9</u>	6.8	7.0	0.2
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	4	<u>5.8</u>				5.8	11.0	5.2
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	7	<u>5.8</u>	<u>7.0</u>			9.5	10.0	0.5
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>		8.2	8.2	0.0
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	6	<u>4.5</u>	<u>5.7</u>	<u>5.6</u>		10.1	11.0	0.9
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>0.1</u>	<u>0.8</u>	<u>0.4</u>	<u>0.1</u>	6.4	7.0	0.6
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	7	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>	<u>3.0</u>	9.4	10.0	0.6
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	<u>3.6</u>	<u>4.6</u>	<u>4.8</u>	<u>4.0</u>	10.3	11.0	0.7
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>5.8</u>	<u>7.0</u>			9.5	10.0	0.5
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>2.0</u>	<u>2.8</u>	<u>2.6</u>		7.3	8.2	1.0
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>4.5</u>	<u>5.7</u>	<u>5.6</u>		10.1	11.0	0.9
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>0.1</u>	<u>0.8</u>	<u>0.4</u>	<u>0.1</u>	6.4	7.0	0.6
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>	<u>3.0</u>	9.4	10.0	0.6
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	5	<u>3.6</u>	<u>4.6</u>	<u>4.8</u>	<u>4.0</u>	10.3	11.0	0.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	6	<u>4.5</u>	<u>5.7</u>	<u>5.6</u>		10.1	11.0	0.9
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	7	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>	<u>3.0</u>	9.4	10.0	0.6



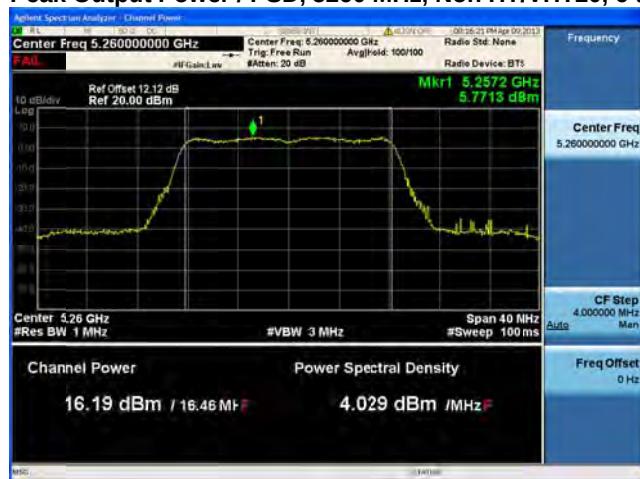
5260/5280	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>3.6</u>				3.6	11.0	7.4
	Non HT/VHT40, 6 to 54 Mbps	2	7	<u>3.6</u>	<u>5.0</u>			7.4	10.0	2.6
	Non HT/VHT40, 6 to 54 Mbps	3	9	<u>1.4</u>	<u>2.8</u>	<u>2.6</u>		7.1	8.2	1.1
	Non HT/VHT40, 6 to 54 Mbps	4	10	<u>0.3</u>	<u>1.2</u>	<u>1.0</u>	<u>0.6</u>	6.8	7.0	0.2
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	4	<u>2.9</u>				2.9	11.0	8.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	7	<u>2.9</u>	<u>4.3</u>			6.7	10.0	3.3
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>		7.5	8.2	0.7
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	6	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>		8.6	11.0	2.4
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>-0.3</u>	<u>0.7</u>	<u>0.4</u>	<u>0.4</u>	6.3	7.0	0.6
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	7	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>	<u>3.4</u>	9.7	10.0	0.3
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	5	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>	<u>3.4</u>	9.7	11.0	1.3
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>2.9</u>	<u>4.3</u>			6.7	10.0	3.3
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>-1.0</u>	<u>-0.3</u>	<u>-0.9</u>		4.0	8.2	4.2
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>		7.5	11.0	3.5
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>-2.9</u>	<u>-2.7</u>	<u>-2.8</u>	<u>-2.5</u>	3.3	7.0	3.7
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>-0.3</u>	<u>0.7</u>	<u>0.4</u>	<u>0.4</u>	6.3	10.0	3.7
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	5	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>	<u>2.4</u>	8.7	11.0	2.3
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	6	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>		8.6	11.0	2.4
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	7	<u>2.9</u>	<u>4.3</u>	<u>4.1</u>	<u>3.4</u>	9.7	10.0	0.3
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	4	<u>0.2</u>				0.2	11.0	10.8
	Non HT/VHT80, 6 to 54 Mbps	2	7	<u>0.2</u>	<u>0.9</u>			3.6	10.0	6.4
	Non HT/VHT80, 6 to 54 Mbps	3	9	<u>-1.3</u>	<u>-0.1</u>	<u>-0.5</u>		4.2	8.2	4.1
	Non HT/VHT80, 6 to 54 Mbps	4	10	<u>-1.3</u>	<u>-0.1</u>	<u>-0.5</u>	<u>-0.5</u>	5.4	7.0	1.5
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	4	<u>-0.9</u>				-0.9	11.0	11.9
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	7	<u>-0.9</u>	<u>0.0</u>			2.6	10.0	7.4
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	8.2	3.8
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	6	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	11.0	6.5
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>	<u>-0.6</u>	5.6	7.0	1.3
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	7	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>	<u>-0.6</u>	5.6	10.0	4.4
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	5	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>	<u>-0.6</u>	5.6	11.0	5.4
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>-1.9</u>	<u>-0.9</u>			1.6	10.0	8.4
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>-4.7</u>	<u>-4.4</u>	<u>-4.9</u>		0.1	8.2	8.1

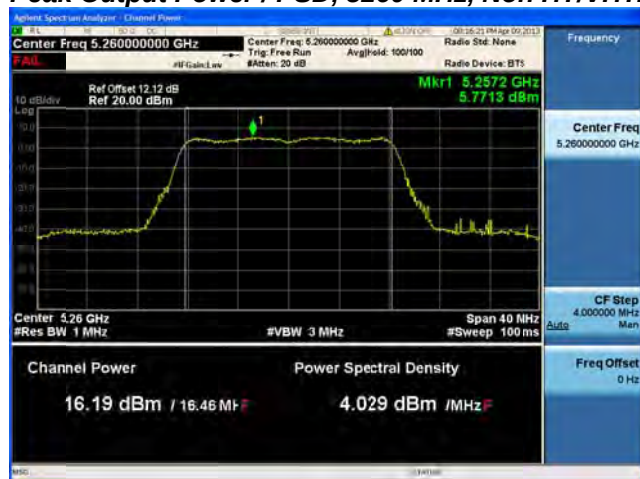


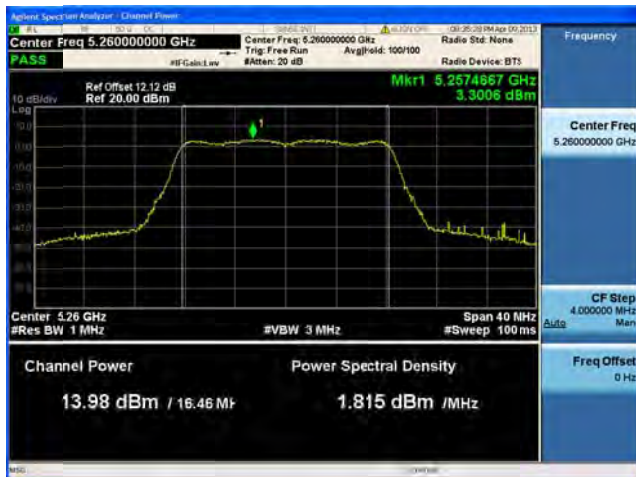
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>		3.4	11.0	7.6
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	11.0	6.5
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	10	<u>-6.9</u>	<u>-6.7</u>	<u>-7.1</u>	<u>-6.2</u>	-0.7	7.0	7.7
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>-4.0</u>	<u>-3.4</u>	<u>-3.6</u>	<u>-3.7</u>	2.4	10.0	7.6
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	5	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>	<u>-1.8</u>	4.5	11.0	6.5
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	6	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>		4.5	11.0	6.5
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	7	<u>-0.9</u>	<u>0.0</u>	<u>-0.1</u>	<u>-0.6</u>	5.6	10.0	4.4
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>2.7</u>				2.7	11.0	8.3
	Non HT/VHT40, 6 to 54 Mbps	2	7	<u>2.7</u>	<u>3.7</u>			6.2	10.0	3.8
	Non HT/VHT40, 6 to 54 Mbps	3	9	<u>2.7</u>	<u>3.7</u>	<u>3.6</u>		8.1	8.2	0.1
	Non HT/VHT40, 6 to 54 Mbps	4	10	<u>0.4</u>	<u>1.3</u>	<u>1.0</u>	<u>0.9</u>	6.9	7.0	0.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	4	<u>1.9</u>				1.9	11.0	9.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	7	<u>1.9</u>	<u>3.0</u>			5.5	10.0	4.5
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>		7.3	8.2	0.9
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	6	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>		7.3	11.0	3.7
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>-0.1</u>	<u>0.5</u>	<u>0.1</u>	<u>0.2</u>	6.2	7.0	0.8
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	7	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>	<u>2.0</u>	8.4	10.0	1.6
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	5	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>	<u>2.0</u>	8.4	11.0	2.6
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>1.9</u>	<u>3.0</u>			5.5	10.0	4.5
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>-2.2</u>	<u>-1.7</u>	<u>-1.8</u>		2.9	8.2	5.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>		6.0	11.0	5.0
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>-4.2</u>	<u>-4.0</u>	<u>-4.2</u>	<u>-3.6</u>	2.0	7.0	5.0
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>-1.0</u>	<u>-0.8</u>	<u>-0.9</u>	<u>-1.0</u>	5.1	10.0	4.9
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	5	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>	<u>1.3</u>	7.3	11.0	3.7
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	6	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>		7.3	11.0	3.7
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	7	<u>1.9</u>	<u>3.0</u>	<u>2.6</u>	<u>2.0</u>	8.4	10.0	1.6

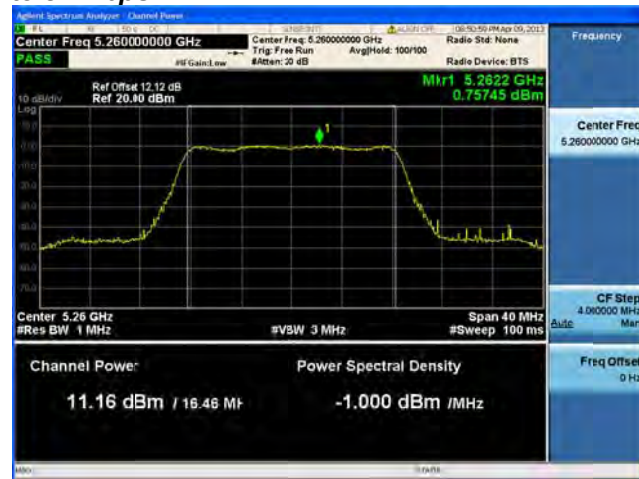
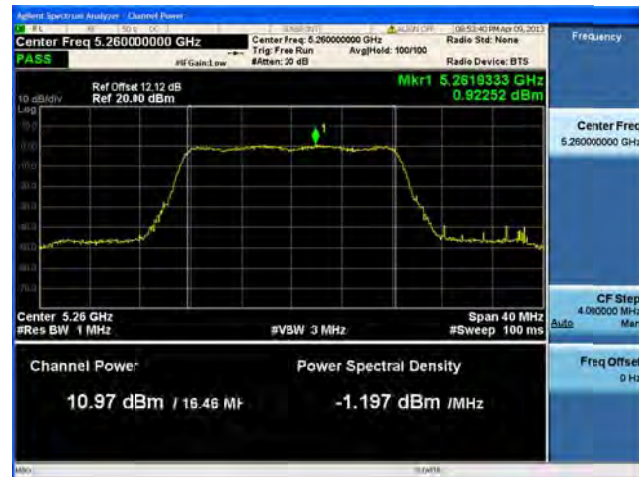


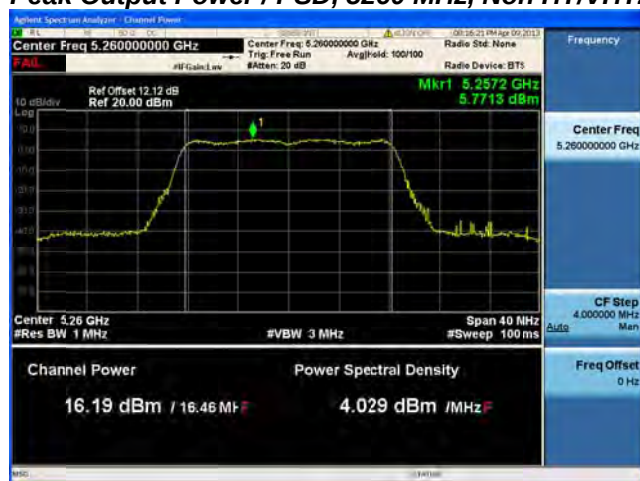
5320	Non HT/VHT20, 6 to 54 Mbps	1	4	<u>4.9</u>				4.9	11.0	6.1
	Non HT/VHT20, 6 to 54 Mbps	2	7	<u>4.9</u>	<u>5.4</u>			8.2	10.0	1.8
	Non HT/VHT20, 6 to 54 Mbps	3	9	<u>3.0</u>	<u>3.1</u>	<u>2.9</u>		7.8	8.2	0.5
	Non HT/VHT20, 6 to 54 Mbps	4	10	<u>0.1</u>	<u>0.1</u>	<u>-0.2</u>	<u>0.4</u>	6.1	7.0	0.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	7	<u>4.9</u>	<u>5.4</u>			8.2	10.0	1.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	9	<u>1.0</u>	<u>1.4</u>	<u>1.4</u>		6.0	8.2	2.2
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	10	<u>-0.7</u>	<u>-0.8</u>	<u>-1.4</u>	<u>-0.7</u>	5.1	7.0	1.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	4	<u>4.9</u>				4.9	11.0	6.1
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	7	<u>4.9</u>	<u>5.5</u>			8.2	10.0	1.8
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>2.7</u>	<u>3.5</u>	<u>2.9</u>		7.8	8.2	0.4
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	6	<u>4.9</u>	<u>5.5</u>	<u>5.2</u>		10.0	11.0	1.0
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>-0.1</u>	<u>0.2</u>	<u>-0.4</u>	<u>0.2</u>	6.0	7.0	1.0
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	7	<u>2.7</u>	<u>3.5</u>	<u>2.9</u>	<u>3.1</u>	9.1	10.0	0.9
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	5	<u>3.5</u>	<u>4.5</u>	<u>3.8</u>	<u>4.1</u>	10.0	11.0	1.0
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>4.9</u>	<u>5.5</u>			8.2	10.0	1.8
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<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	9	<u>1.1</u>	<u>1.1</u>	<u>0.8</u>		5.8	8.2	2.5
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>3.5</u>	<u>4.5</u>	<u>3.8</u>		8.7	11.0	2.3
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<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	10	<u>-1.0</u>	<u>-0.9</u>	<u>-1.2</u>	<u>-1.1</u>	5.0	7.0	2.0
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>	<u>2.0</u>	8.1	10.0	1.9
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	5	<u>3.5</u>	<u>4.5</u>	<u>3.8</u>	<u>4.1</u>	10.0	11.0	1.0
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	4	<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	6	<u>4.9</u>	<u>5.5</u>	<u>5.2</u>		10.0	11.0	1.0
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	7	<u>2.7</u>	<u>3.5</u>	<u>2.9</u>	<u>3.1</u>	9.1	10.0	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



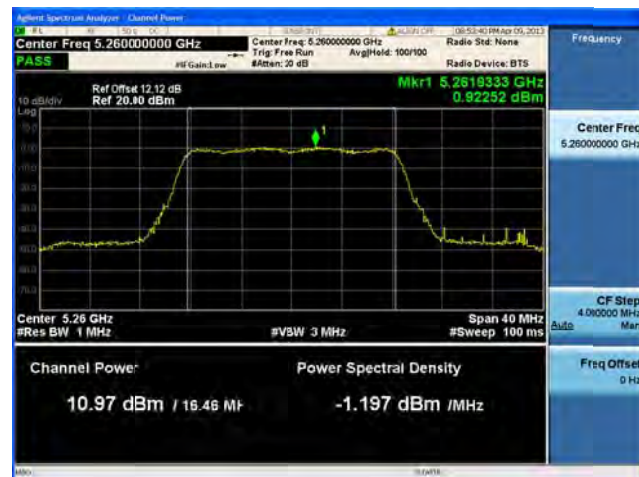
Antenna A



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**

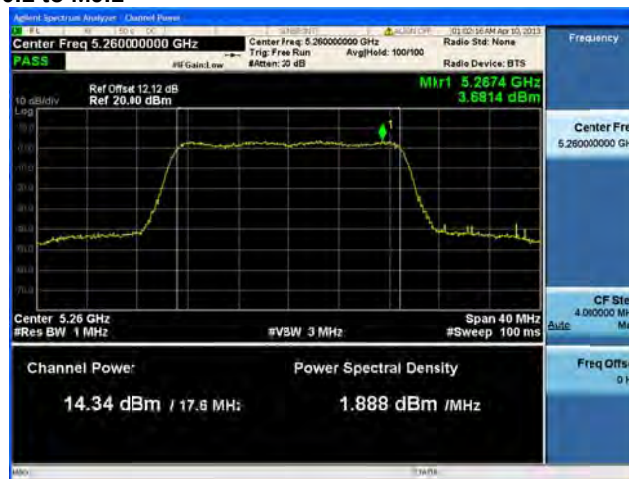
Peak Output Power / PSD, 5260 MHz, HT/VHT20, M8 to M15, M0.2 to M9.2

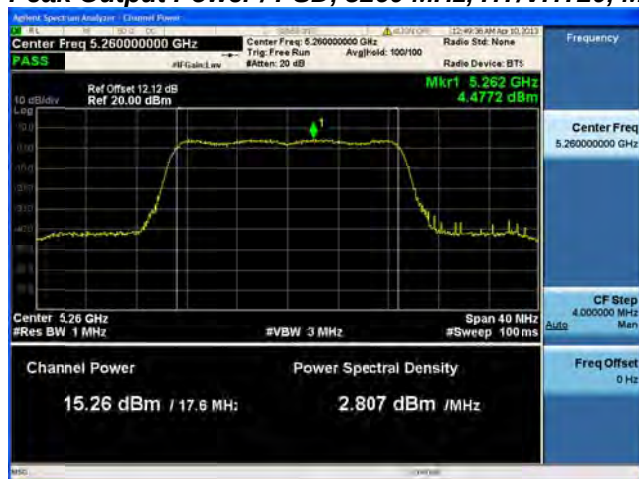


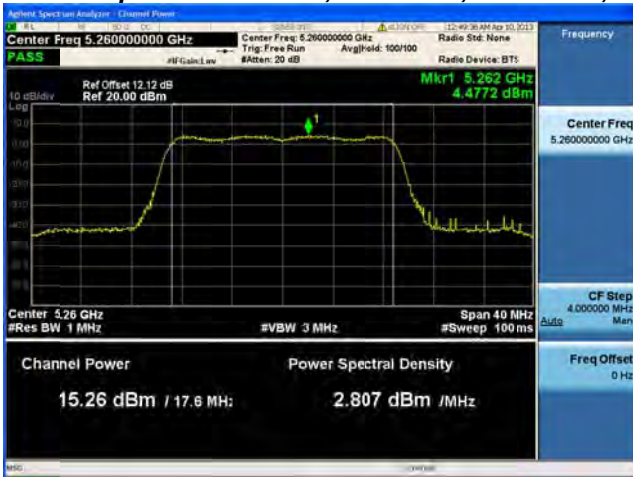
Antenna A



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**

Multispectrum Analyzer - Channel Power
 1 5.26 GHz 5.260000000 GHz
 Center Freq 5.260000000 GHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm
 #F Gain Low
 #B BPF Off
 Center Freq 5.260000000 GHz
 Trig: Free Run
 #atten: 20 dB
 AvgHold: 100/100
 Radio Sts: None
 Radio Device: BT3
 Frequency
 Center Freq 5.260000000 GHz
 CF Step 4.000000 MHz
 Span 40 MHz
 #Sweep 100 ms
 Channel Power
 10.57 dBm / 17.6 MHz
 Power Spectral Density
 -1.890 dBm / MHz
 Freq Offset 0 Hz

Active Spectrum Analyzer - Channel View

Center Freq 5.26000000 GHz

Center Freq 5.26000000 GHz

Trig Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

Frequency

PASS

Ref Gain Low

Ref Off 12.12 dB

Ref 20.40 dBm

Mkr1 5.2627333 GHz

0.75726 dBm

10 dB/div

Center 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power:

Power Spectral Density

11.25 dBm / 17.8 MHz

-1.205 dBm /MHz

CF Step 4.000000 MHz

Auto

Freq Offset 0 Hz

Vector Signal Analyzer - Channel Power

Center Freq 5.26000000 GHz

PASS

Ref Offset 12.12 dB

Ref 20.00 dBm

Center Freq: 5.26000000 GHz

Trig: Free Run

Avg: Hold: 100/100

Radio Stn: None

Radio Device: BT3

Frequency

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

Auto

Man

Freq Offset 0 Hz

Channel Power

Power Spectral Density

11.05 dBm / 17.6 MHz

-1.404 dBm / MHz

Span 40 MHz

#Res BW 1 MHz

#VBW 3 MHz

#Sweep 100 ms

Mkr1 5.2676957 GHz

0.40679 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

-80 dBm

-90 dBm

-100 dBm

5.26 GHz

5.27 GHz

5.28 GHz

5.29 GHz

5.30 GHz

5.31 GHz

5.32 GHz

5.33 GHz

5.34 GHz

5.35 GHz

5.36 GHz

5.37 GHz

5.38 GHz

5.39 GHz

5.40 GHz

5.41 GHz

5.42 GHz

5.43 GHz

5.44 GHz

5.45 GHz

5.46 GHz

5.47 GHz

5.48 GHz

5.49 GHz

5.50 GHz

5.51 GHz

5.52 GHz

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5.98 GHz

5.99 GHz

6.00 GHz

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6.03 GHz

6.04 GHz

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6.06 GHz

6.07 GHz

6.08 GHz

6.09 GHz

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6.97 GHz

6.98 GHz

6.99 GHz

7.00 GHz

7.01 GHz

7.02 GHz

7.03 GHz

7.04 GHz

7.05 GHz

7.06 GHz

7.07 GHz

7.08 GHz

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8.01 GHz

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8.07 GHz

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8.30 GHz

8.31 GHz

8.32 GHz

8.33 GHz

8.34 GHz</

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz

PASS

Ref Offset 12.12 dB

Ref 20.90 dBm

Center Freq: 5.260000000 GHz

Trig Freq Run

Avg/Hold: 100/H00

Radio Std: None

Radio Device: BTS

#P1 Gain: 1.00

#Atten: 20 dB

Mkr1 5.2675333 GHz

0.11426 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 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power:

Power Spectral Density

11.01 dBm / 17.6 MHz

-1.446 dBm / MHz

CF Step 4.000000 MHz

Freq Offset 0 Hz

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The screenshot shows a Rohde & Schwarz Spectrum Analyzer interface. The main display is a frequency plot with a yellow trace showing a signal. A green marker '1' is placed on the trace at 5.2628 GHz. The plot has a grid and a scale of 10 dB/div. The top of the screen displays various parameters: Center Freq 5.260000000 GHz, Span 40 MHz, #Res BW 1 MHz, #VBW 3 MHz, #Sweep 100 ms, Radio Std: None, and Radio Device: BT. The bottom of the screen shows Channel Power 13.39 dBm / 17.6 MHz and Power Spectral Density 0.9377 dBm / MHz. The interface is in German, with labels like 'Zentrumsfreq', 'Span', and 'Leistungsspektrale Dichte'.

Parameter	Value
Center Freq	5.260000000 GHz
Span	40 MHz
#Res BW	1 MHz
#VBW	3 MHz
#Sweep	100 ms
Radio Std	None
Radio Device	BT
Channel Power	13.39 dBm / 17.6 MHz
Power Spectral Density	0.9377 dBm / MHz
Frequency (Marker 1)	5.2628 GHz
Amplitude (Marker 1)	2.7998 dBm

Advent Spectrum Analyzer - Channel View

Center Freq 5.260000000 GHz

Center Freq 5.260000000 GHz

Trig Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

REF Gain Low

#Att: 20 dB

Mhr1 5.2674 GHz

3.8814 dBm

10 dB/div

Ref Off 12.12 dB

Ref 20.40 dBm

Center 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power:

Power Spectral Density

14.34 dBm / 17.8 MHz

1.888 dBm / MHz

CF Step 4.000000 MHz

Auto

Freq Offset 0 Hz

Vector Signal Analyzer - Channel Power

Center Freq 5.260000000 GHz

PASS

dBm/Hz

Ref Offset 12.12 dB

Ref 20.00 dBm

Mkr1 5.2578 GHz 3.9342 dBm

Center 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power

14.10 dBm / 17.6 MHz

Power Spectral Density

1.649 dBm / MHz

Frequency

Center Freq 5.260000000 GHz

CF Step 4.000000 MHz

Auto

Freq Offset 0 Hz

Channel Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm

Center Freq: 5.260000000 GHz
 Trig: Freq Run
 Avg/Hold: 100/H00
 Radio Std: None
 Radio Device: BTS

PASS #Ref Gain: 1.000

Mkr1 5.2619657 GHz
 2.9506 dBm

10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm

Center 5.26 GHz
 #Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz
 #Sweep 100 ms

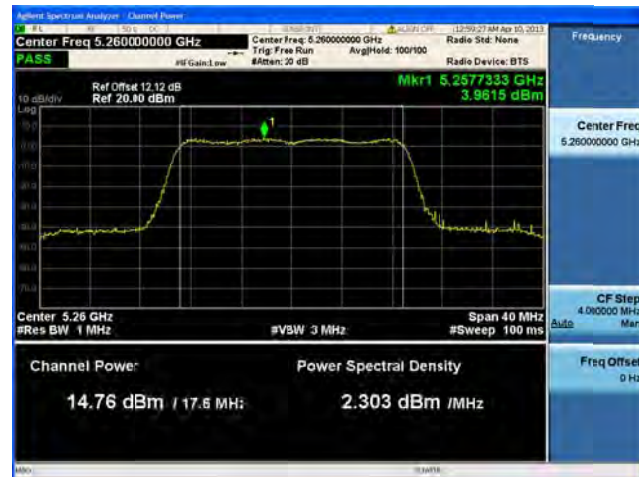
Channel Power: 13.67 dBm / 17.6 MHz

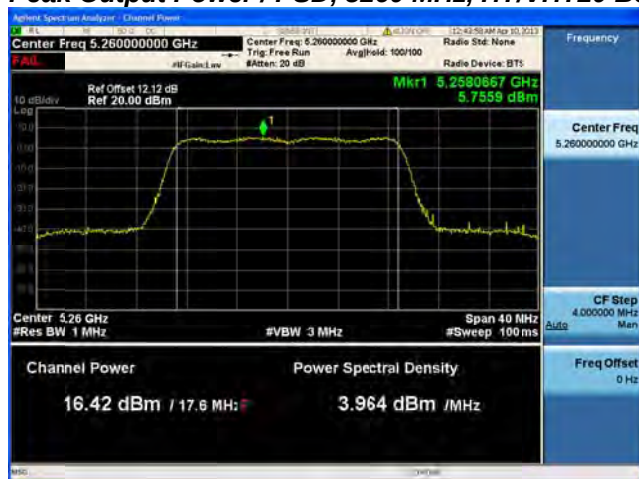
Power Spectral Density 1.218 dBm / MHz

CF Step 4.000000 MHz
 Man Auto

Freq Offset 0 Hz

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

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

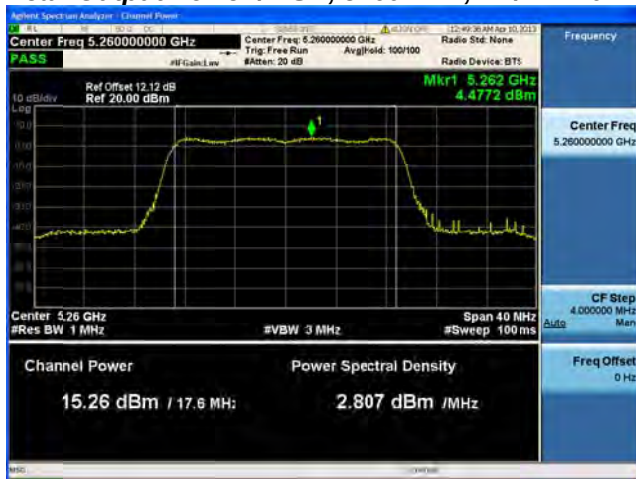


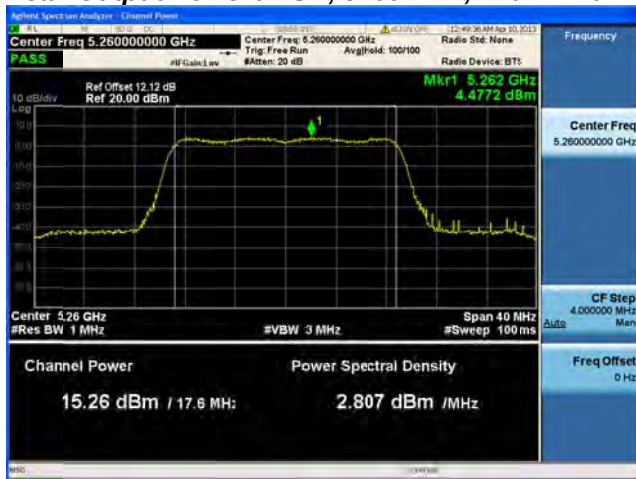
Antenna A



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**

[illegible]

Advent Spectrum Analyzer - Channel View

REF 10.00000000 GHz 1.000000000 GHz

Center Freq 5.260000000 GHz

Center Freq 5.260000000 GHz

Radio Std: None

Frequency

PASS

#F Gain Low

Trig Free Run

Avg/Hold: 100/100

Radio Device: BTS

#Attenu: 20 dB

Mkr1 5.2627333 GHz

0.75726 dBm

10.0 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:

Power Spectral Density

11.25 dBm / 17.8 MHz

-1.205 dBm /MHz

CF Step 4.000000 MHz

Audio

Freq Offset 0 Hz

Vector Signal Analyzer - Channel Power

Center Freq 5.26000000 GHz

PASS

Ref Offset 12.12 dB

Ref 20.00 dBm

Center Freq: 5.26000000 GHz

Trig: Free Run

Avg: Hold: 100/100

Radio Sts: None

Radio Device: BT3

Frequency

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

Auto

Man

Freq Offset 0 Hz

Channel Power

Power Spectral Density

11.05 dBm / 17.6 MHz

-1.404 dBm / MHz

Span 40 MHz

#Res BW 1 MHz

#VBW 3 MHz

#Sweep 100 ms

Mkr1 5.2676957 GHz

0.40679 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

-80 dBm

-90 dBm

-100 dBm

5.26 GHz

5.27 GHz

5.28 GHz

5.29 GHz

5.30 GHz

5.31 GHz

5.32 GHz

5.33 GHz

5.34 GHz

5.35 GHz

5.36 GHz

5.37 GHz

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5.79 GHz

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5.85 GHz

5.86 GHz

5.87 GHz

5.88 GHz

5.89 GHz

5.90 GHz

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5.92 GHz

5.93 GHz

5.94 GHz

5.95 GHz

5.96 GHz

5.97 GHz

5.98 GHz

5.99 GHz

6.00 GHz

6.01 GHz

6.02 GHz

6.03 GHz

6.04 GHz

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6.06 GHz

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6.08 GHz

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6.98 GHz

6.99 GHz

7.00 GHz

7.01 GHz

7.02 GHz

7.03 GHz

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8.09 GHz

8.10 GHz

8.11 GHz

8.12 GHz

8.13 GHz

8.14 GHz

8.15 GHz

8.16 GHz

8.17 GHz

8.18 GHz

8.19 GHz

8.20 GHz

8.21 GHz

8.22 GHz

8.23 GHz

8.24 GHz

8.25 GHz

8.26 GHz

8.27 GHz

8.28 GHz

8.29 GHz

8.30 GHz

8.31 GHz

8.32 GHz

8.33 GHz

8.34 GHz</

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz

PASS

Ref Offset 12.12 dB

Ref 20.00 dBm

Center Freq: 5.260000000 GHz

Trig Freq Run

Avg/Hold: 100/H00

Radio Std: None

Radio Device: BTS

#dB Gain: 1.00

#Atten: 20 dB

Mkr1 5.2675333 GHz

0.11426 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 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power:

Power Spectral Density

11.01 dBm / 17.6 MHz

-1.446 dBm / MHz

CF Step

4.000000 MHz

Man

Freq Offset

0 Hz

Auto

M00

0.0018

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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

Freq Offset 0 Hz

PASS

Ref Offset 12.12 dB

Ref 20.00 dBm

Mkr1 5.2626 GHz

2.7998 dBm

10 dB/div

Center 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power

Power Spectral Density

13.39 dBm / 17.6 MHz

0.9377 dBm / MHz

Agilent Spectrum Analyzer - Channel View

Center Freq 5.26000000 GHz

Ref Off 12.12 dB

Ref 20.00 dBm

Center Freq 5.2674 GHz

Trig Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

Channel Power: 14.34 dBm / 17.8 MHz

Power Spectral Density: 1.888 dBm / MHz

Center Freq 5.2674 GHz

3.8814 dBm

Span 40 MHz

#Res BW 1 MHz

#VBW 3 MHz

#Sweep 100 ms

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 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

14.10 dBm / 17.6 MHz

1.649 dBm / MHz

Freq Offset 0 Hz

The screenshot shows a spectrum analyzer window with the following details:

- Header:** "Advent Spectrum Analyzer - Channel Power" and "01 09:05:54 AM Apr 10, 2013".
- Frequency Readouts:**
 - Center Freq: 5.260000000 GHz
 - Mkr1: 5.2619657 GHz
 - 2.9506 dBm
- Measurement Parameters:**
 - Ref Offset: 12.12 dB
 - Ref: 20.90 dBm
 - #Res BW: 1 MHz
 - #Sweep: 100 ms
 - #VBW: 3 MHz
- Channel Power:** 13.67 dBm / 17.6 MHz
- Power Spectral Density:** 1.218 dBm / MHz
- Plot:** A spectrum plot showing a signal peak at 5.26 GHz. The y-axis is labeled "dBm" and ranges from -10 to 10. The x-axis is labeled "MHz" and ranges from 5.25 to 5.27.
- Other Labels:** "PASS", "P1dB Gain: 1.00", "Center Freq: 5.260000000 GHz", "Trig: Free Run", "Avg/Hold: 100/H00", "Radio Std: None", "Radio Device: BT5", "CF Step: 4.000000 MHz", "Freq Offset: 0 Hz".

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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 Std: None

Radio Device: BTS

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

14.31 dBm / 17.6 MHz

1.854 dBm / MHz

Freq Offset 0 Hz

The screenshot displays a Spectrum Analyzer interface. At the top, it shows the title "Spectrum Analyzer - Channel Power". The main display area features a graph of power spectral density versus frequency. A yellow trace shows a signal centered at 5.26 GHz, spanning approximately 40 MHz. The peak power is indicated as 15.41 dBm / 17.8 MHz. Other parameters shown include Center Freq: 5.260000000 GHz, Span: 40 MHz, Res BW: 1 MHz, and Sweep: 100 ms. The right side of the screen contains various status indicators and settings, such as Radio Std: None, Radio Device: BTS, and CF Sts: 4.0e+0000.

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm

15.25 dBm / 17.6 MHz

Channel Power

Power Spectral Density

15.25 dBm / 17.6 MHz

2.799 dBm / MHz

Agilent Technologies

Rohde & Schwarz Spectrum Analyzer / Channel Power
 17:59:21 AM Apr 30, 2013
 Center Freq 5.260000000 GHz Center Freq 5.260000000 GHz Radio Std: None
 Trig: Free Run Avg/Hold: 100/100
 #Gain: Low #Att: 20 dB Radio Device: BTS
PASS

Ref Offset 12.12 dB
 Ref 20.00 dBm
 Mkr1 5.267333 GHz
 3.9615 dBm

10 dB/div
 Log
 100
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0
 -10
 -20
 -30
 -40
 -50
 -60
 -70
 -80
 -90
 -100

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

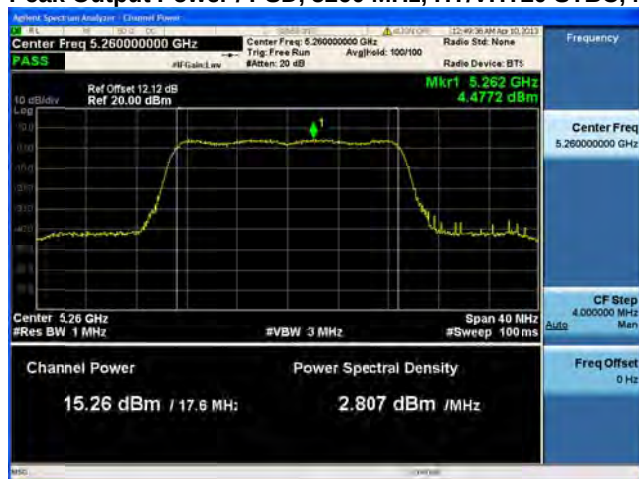
Channel Power: 14.76 dBm / 17.6 MHz
 Power Spectral Density: 2.303 dBm / MHz

CF Ste 4.000000 MHz
 Auto
 Freq Offs 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



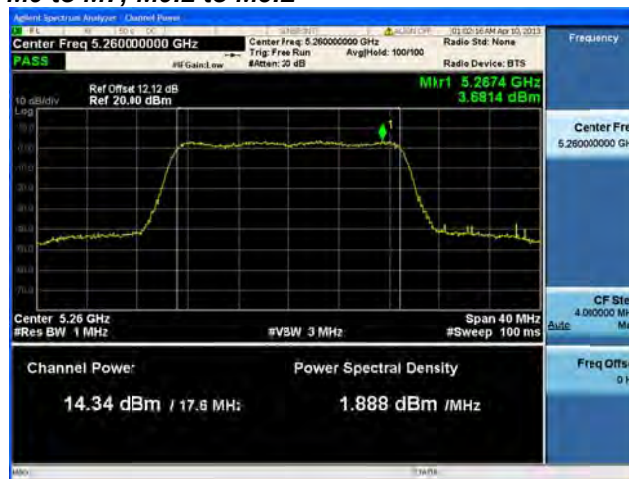
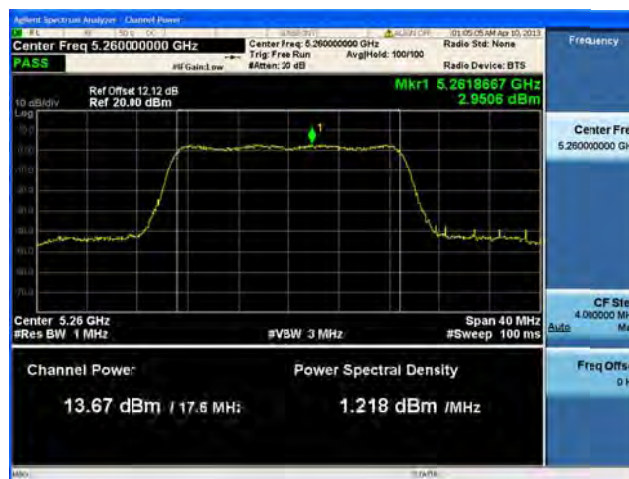
Antenna A



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



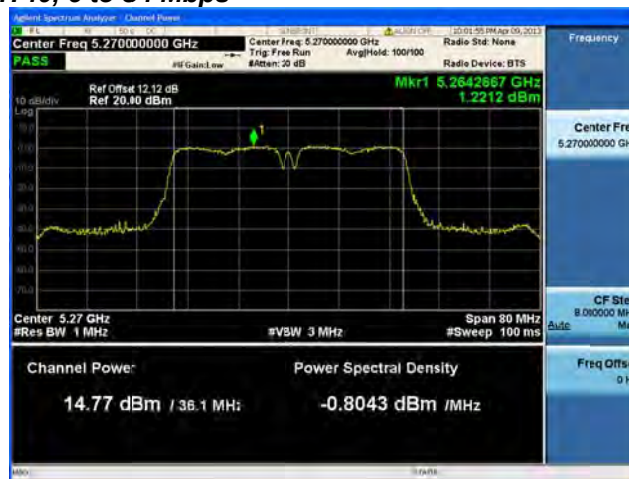
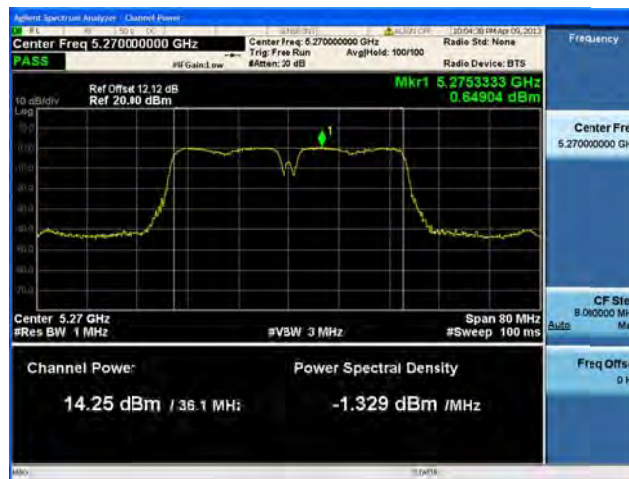
Antenna A



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



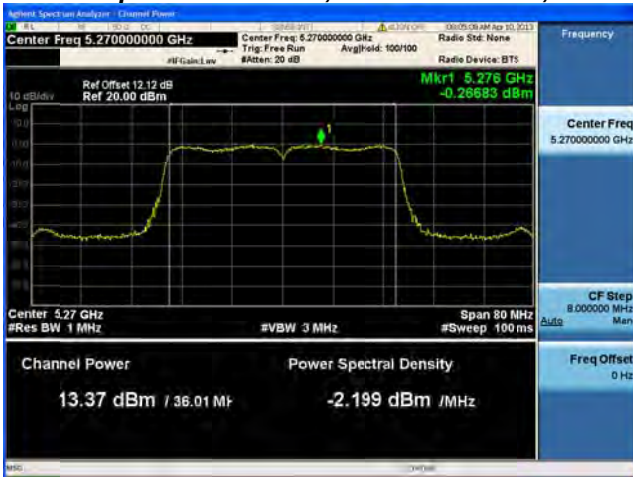
Antenna B



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**

[illegible]

Vector Signal Analyzer - Channel 1

REF 1 5.270000000 GHz

Center Freq 5.270000000 GHz

Trig: Free Run

Avg/Hold: 100/H00

Radio Std: None

Device: BTS

#F Gain Low

#F Gain: 20 dB

Ref Offd 12.12 dB

Ref 20.40 dBm

Mkr1 5.2861333 GHz

4.3038 dBm

10 dB/div

Center 5.27 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 80 MHz

#Sweep 100 ms

Channel Power:

Power Spectral Density

17.77 dBm / 36.01 MHz

2.205 dBm / MHz

Center Freq 5.27000000 GHz

CF Step 8.000000 MHz

Auto

Freq Offset 0 Hz

Vector Signal 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
#Sweep: 20
Avg: Hold: 100/100
Radio Stn: None
Radio Device: BT5

Frequency

Center Freq
5.270000000 GHz

CF Step
8.000000 MHz
Auto

Freq Offset
0 Hz

Channel Power

Power Spectral Density

17.59 dBm / 36.01 MHz

2.021 dBm / MHz

Span 80 MHz
#VBW 3 MHz
#Sweep 100 ms

Active Spectrum Analyzer - Channel Power

Center Freq 5.270000000 GHz

Ref Offset 12.12 dB
Ref 20.90 dBm

Mkr1 5.2657333 GHz
3.3832 dBm

Center Freq 5.270000000 GHz

CF Step 9.000000 MHz

Span 80 MHz

Res BW 1 MHz

Sweep 100 ms

V3BW 3 MHz

Power Spectral Density

Channel Power: 16.98 dBm / 36.01 MHz

Power Spectral Density: 1.416 dBm / MHz

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**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



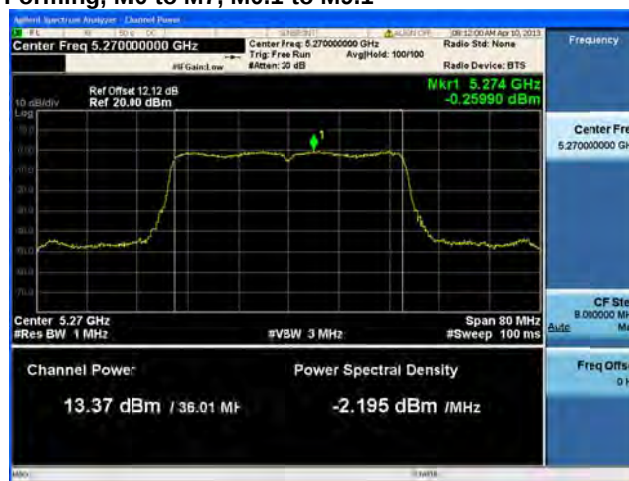
Antenna B



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



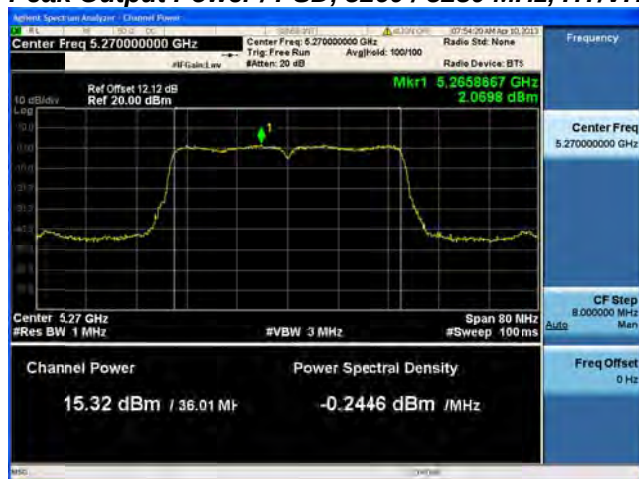
Antenna A

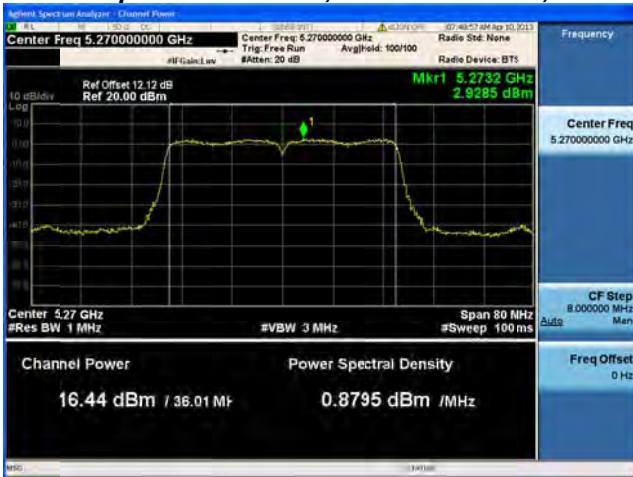


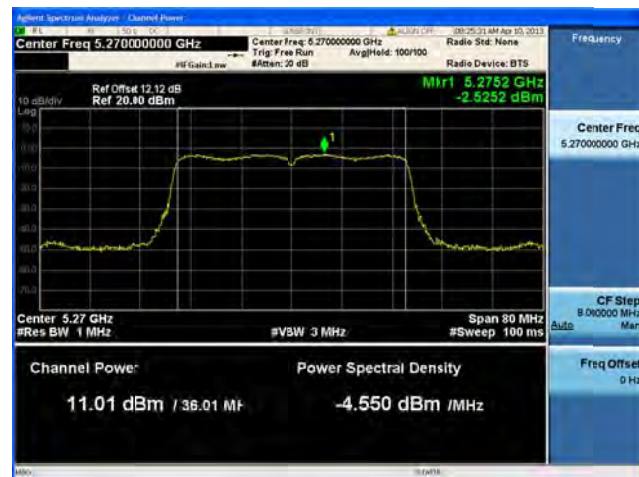
Antenna B



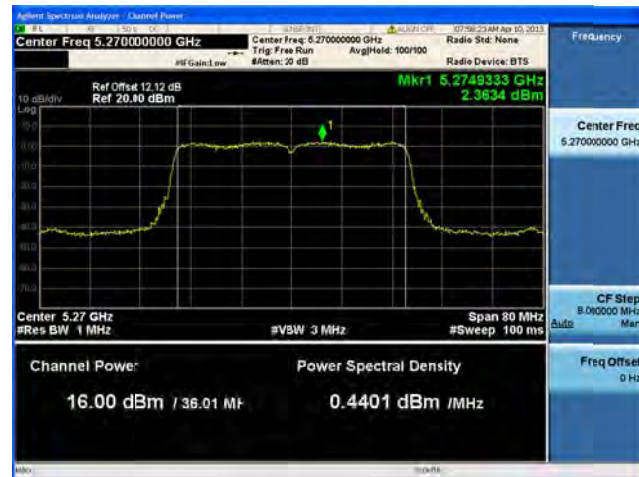
Antenna C

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**

[illegible]

Vector Signal Analyzer - Channel View

REF 1 5.2861333 GHz 4.3038 dBm

Center Freq 5.270000000 GHz

Center Freq 5.270000000 GHz

Trig Free Run

Avg/Hold: 100/H00

Radio Std: None

#Ref Gain Low

#Ref 20 dB

Radio Device: BTS

Mkr1 5.2861333 GHz 4.3038 dBm

10.0 dB/div

Ref Off 12.12 dB

Ref 20.90 dBm

Center 5.27 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 80 MHz

#Sweep 100 ms

Channel Power

Power Spectral Density

17.77 dBm / 36.01 MHz

2.205 dBm / MHz

Center Freq 5.27000000 GHz

CF Step 8.000000 MHz

Auto

Freq Offset 0 Hz

Vector Signal 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
#Items: 20 dB

Avg: Hold: 100/100
Radio Sts: None
Radio Device: BT5

Frequency

Center Freq
5.270000000 GHz

CF Step
8.000000 MHz

Auto

Man

Freq Offset
0 Hz

Channel Power

Power Spectral Density

17.59 dBm / 36.01 MHz

2.021 dBm / MHz

Span 80 MHz
#Sweep 100 ms

#VBW 3 MHz

Mkr1 5.2648657 GHz
4.1376 dBm

Active Spectrum Analyzer - Channel Power

Center Freq 5.270000000 GHz

Ref Offset 12.12 dB
Ref 20.90 dBm

Mkr1 5.2657333 GHz
3.3832 dBm

Center 5.27 GHz
Res BW 1 MHz

Span 80 MHz
#VSW 3 MHz
#Sweep 100 ms

Channel Power: 16.98 dBm / 36.01 MHz

Power Spectral Density: 1.416 dBm / MHz

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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**

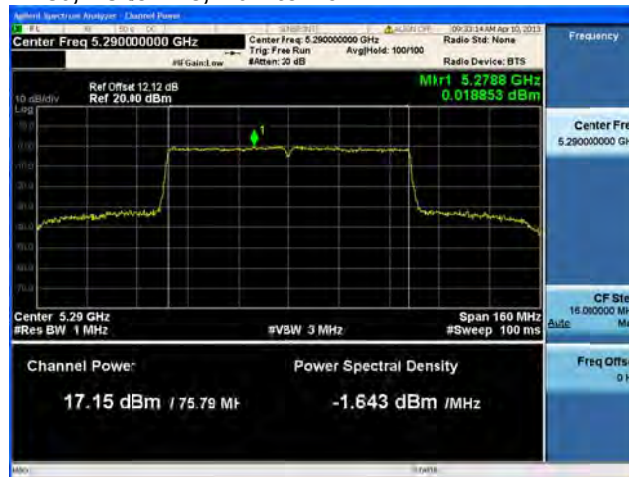
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1**Antenna A**

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



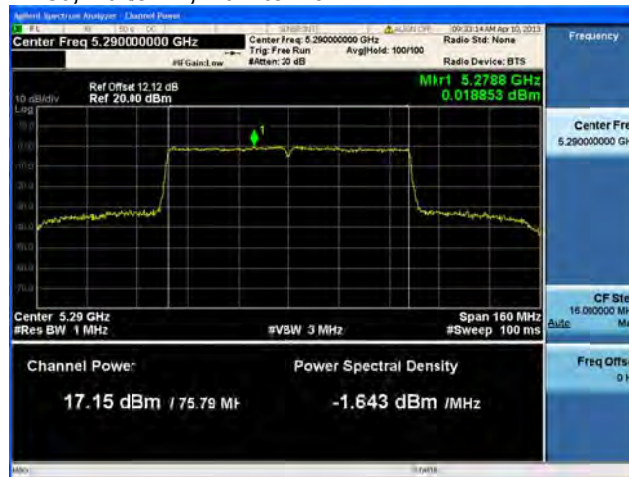
Antenna B



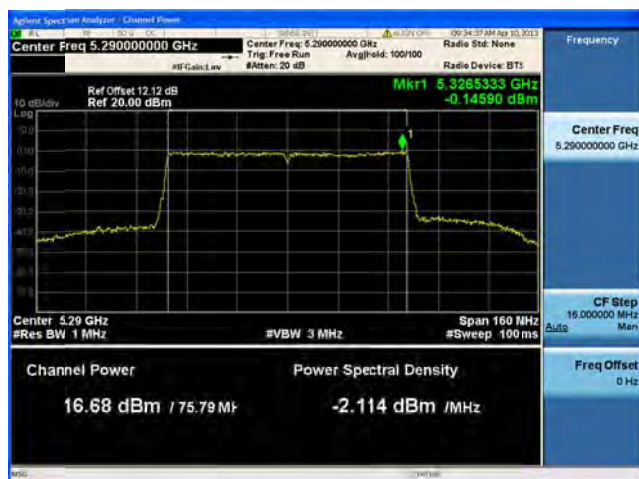
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1



Antenna A



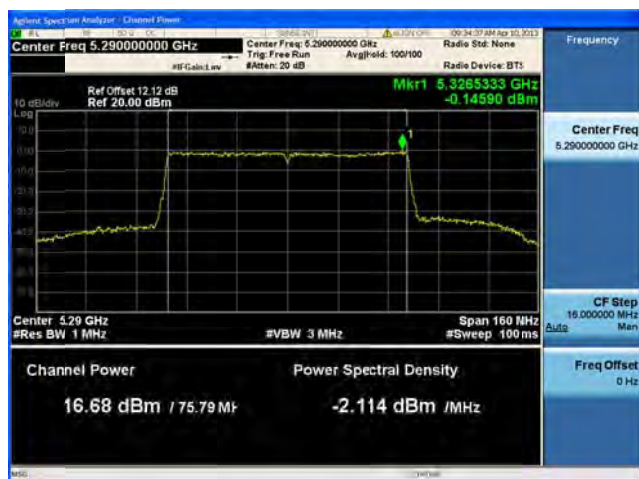
Antenna B



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**

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****Antenna D**

**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**

**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****Antenna D**

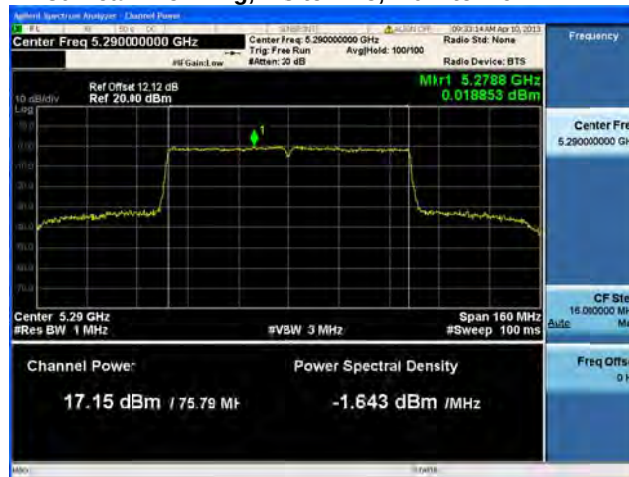
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



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



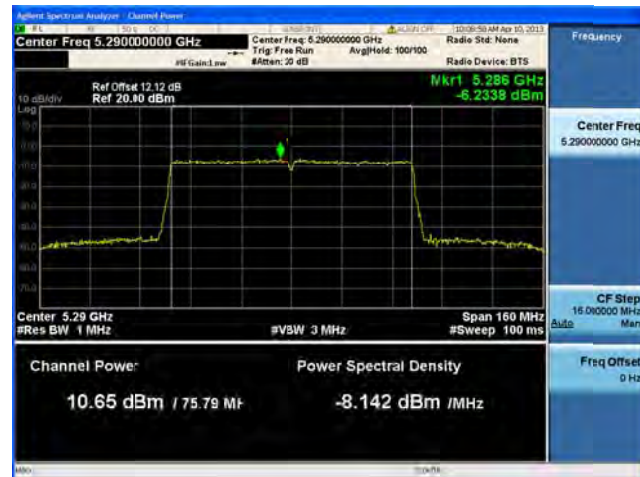
Antenna B



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**

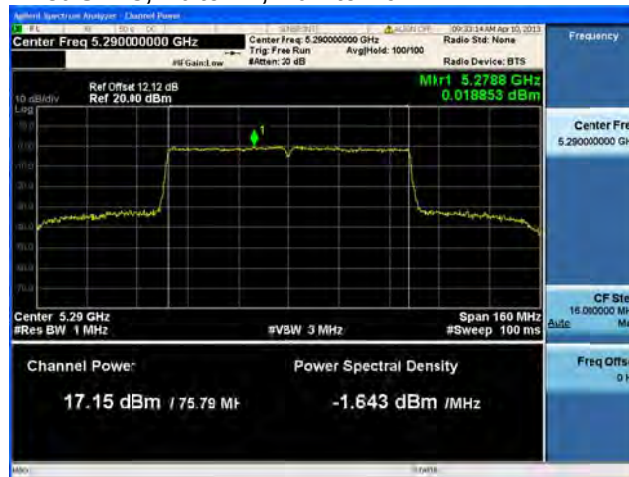
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



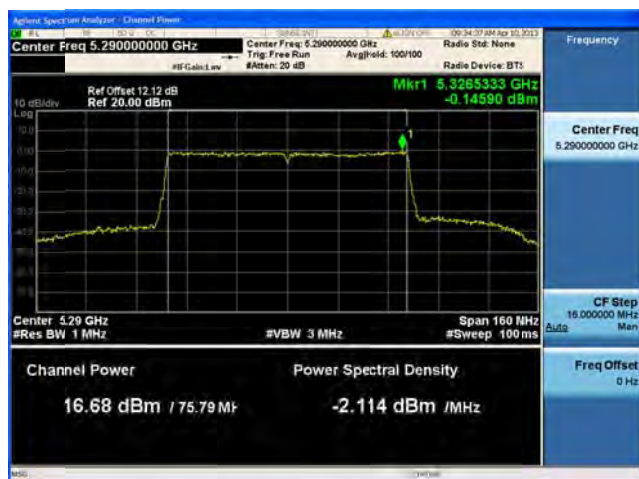
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1



Antenna A



Antenna B



Antenna C

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****Antenna D**

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



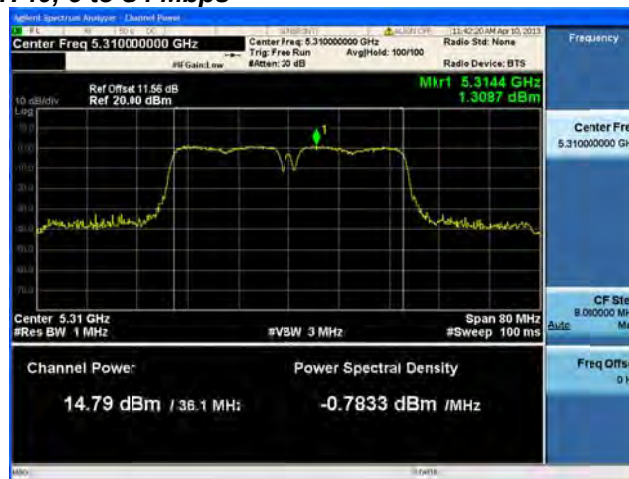
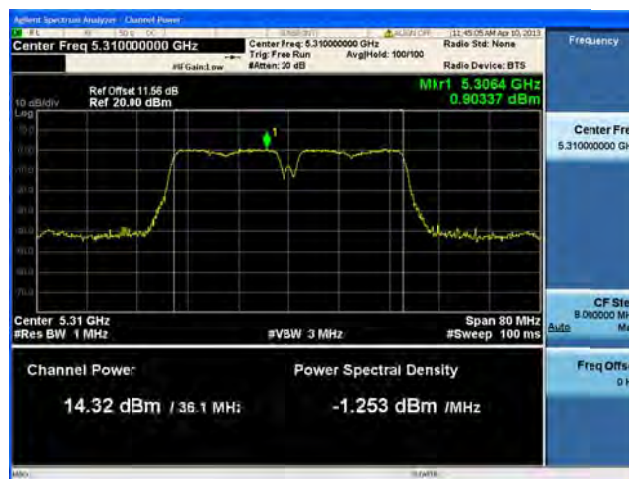
Antenna A



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



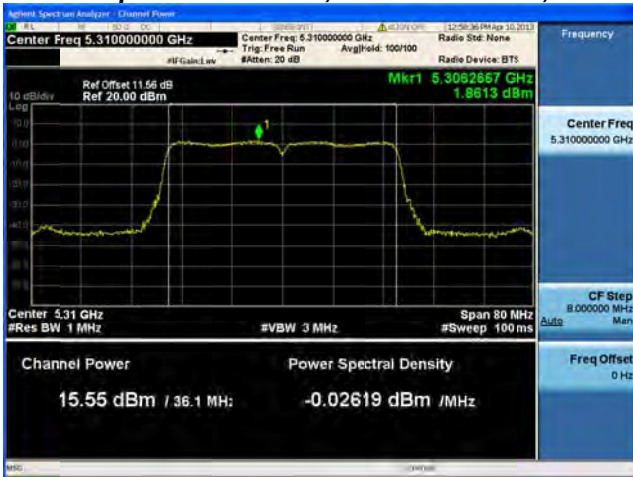
Antenna A

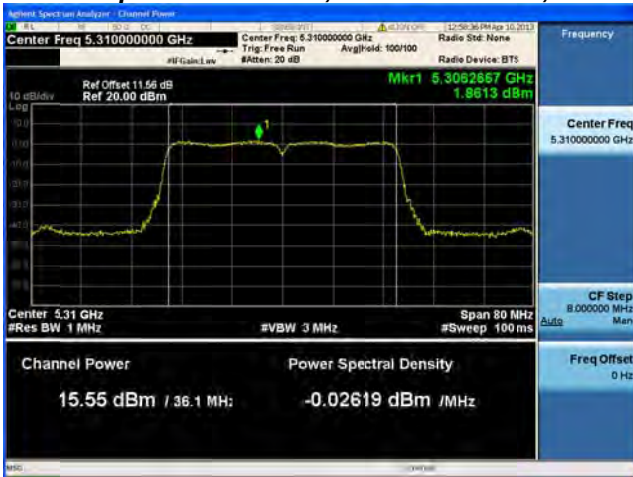


Antenna B



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**

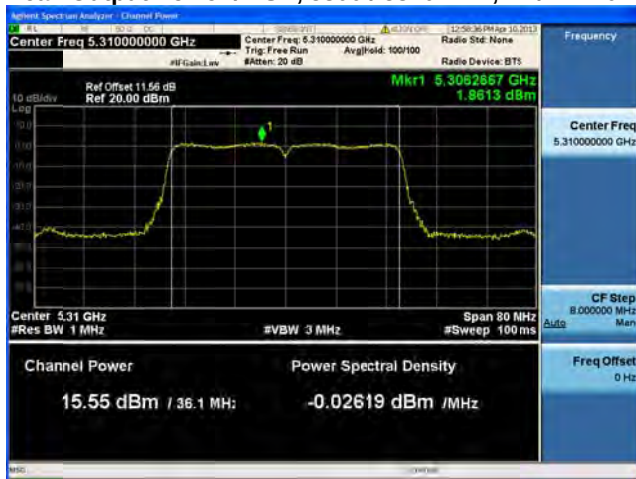
Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B****Antenna C****Antenna D**

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

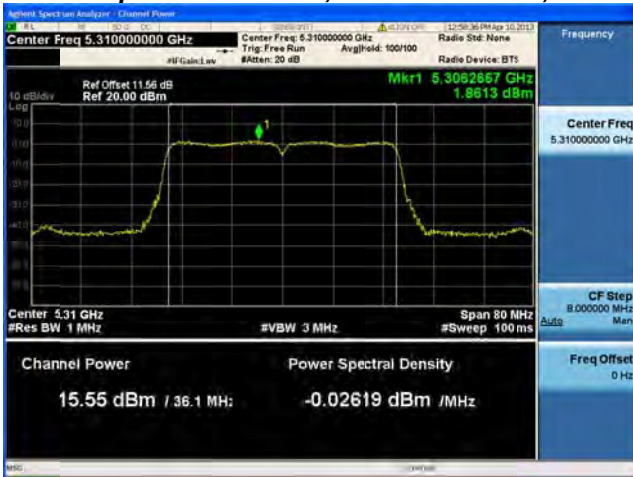


Antenna B



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**

**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****Antenna D**

**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**

Software: Spectrum Analyzer - Channel Power

Center Freq 5.310000000 GHz

Ref Offset 11.56 dB
Ref 20.00 dBm

Center Freq: 5.310000000 GHz
Trig: Free Run
AvgHold: 100/100
Radio Std: None
Radio Device: BTS

Frequency

Center Freq
5.310000000 GHz

CF Step
8.000000 MHz

Auto

Freq Offset
0 Hz

Channel Power

Power Spectral Density

14.54 dBm / 36.1 MHz

-1.034 dBm / MHz

Span 80 MHz
#Sweep 100 ms

#VBW 3 MHz
#Res BW 1 MHz

Mkr1 5.3153333 GHz
0.79865 dBm

Vector Spectrum Analyzer - Channel Power

Center Freq 5.310000000 GHz

Ref Offd 11.56 dB
Ref 20.00 dBm

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

15.16 dBm / 38.1 MHz

Power Spectral Density

-0.4110 dBm /MHz

Center Freq 5.310000000 GHz

CF Step 8.000000 MHz

Span 80 MHz

Res BW 1 MHz

Span 80 MHz

Sweep 100 ms

Frequency

Power

Frequency Offset 0 Hz

Active Spectrum Analyzer - Channel Power

Center Freq 5.310000000 GHz

Ref Offset 11.56 dB
Ref 20.00 dBm

Center Freq: 5.310000000 GHz
Trig: Free Run
#Att: 20 dB

Avg: Hold: 100/100
Radio Device: BT

Frequency

Center Freq
5.310000000 GHz

CF Step
8.000000 MHz

Channel Power

Power Spectral Density

14.53 dBm / 36.1 MHz

-1.046 dBm / MHz

Freq Offset
0 Hz

Channel Spectrum Analyzer Channel Power

Center Freq 5.31000000 GHz

Center Freq: 5.310000000 GHz
Trig: Free Run
Avg/Hold: 100/H00
Radio Std: None
Radio Device: BTS

Ref Offst: 11.56 dB
Ref: 20.0 dBm

Mkr1 5.3085333 GHz
1.3239 dBm

Center 5.31 GHz
#Res BW 1 MHz
#VSW 3 MHz
Span 80 MHz
#Sweep 100 ms

Channel Power: 14.81 dBm / 39.1 MHz

Power Spectral Density -0.7693 dBm / MHz

Frequency

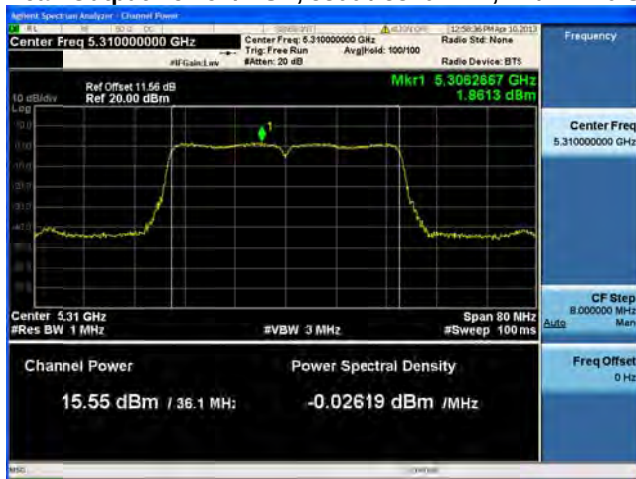
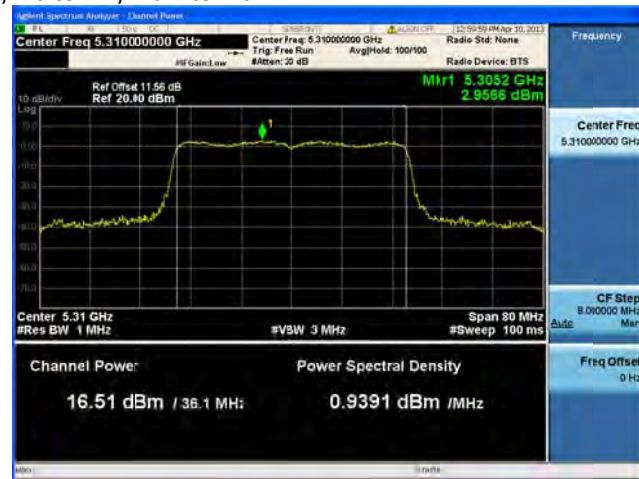
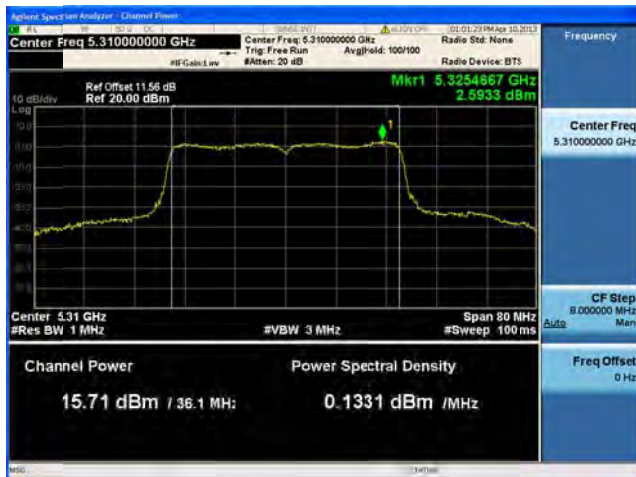
Center Freq 5.31000000 GHz

CF Step 8.000000 MHz

Freq Offset 0 Hz

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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**

Software: Spectrum Analyzer - Channel Power

Center Freq 5.310000000 GHz

Center Freq: 5.310000000 GHz
 Trig: Free Run
 AvgHold: 100/100
 Radio Std: None
 Radio Device: BTS

Frequency: 5.310000000 GHz

Ref Offset 11.56 dB
 Ref 20.00 dBm

Mkr1 5.3062857 GHz
 1.8613 dBm

Center 5.31 GHz
 #Res BW 1 MHz

#VBW 3 MHz

Span 80 MHz
 #Sweep 100 ms

Channel Power: 15.55 dBm / 36.1 MHz

Power Spectral Density: -0.02619 dBm / MHz

CF Step: 8.000000 MHz

Freq Offset: 0 Hz

Ref Offset 11.56 dB
Ref 20.40 dBm

Center Freq 5.31000000 GHz
Trig Free Run
Avg/Hold: 100/100
Radio Std: None
Radio Device: BTS

MHz1 5.3052 GHz
2.9566 dBm

Center 5.31 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
#Sweep 100 ms

Channel Power: 16.51 dBm / 38.1 MHz
Power Spectral Density: 0.9391 dBm / MHz

Vector Signal Analyzer - Channel Power

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 Sts: None
Radio Device: BT5

Frequency

Center Freq
5.310000000 GHz

CF Step
8.000000 MHz
Auto

Channel Power

Power Spectral Density

15.71 dBm / 36.1 MHz

0.1331 dBm / MHz

Freq Offset
0 Hz

Active Spectrum Analyzer - Channel Power

Center Freq 5.310000000 GHz

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

Ref Offset 11.56 dB
Ref 20.0 dBm

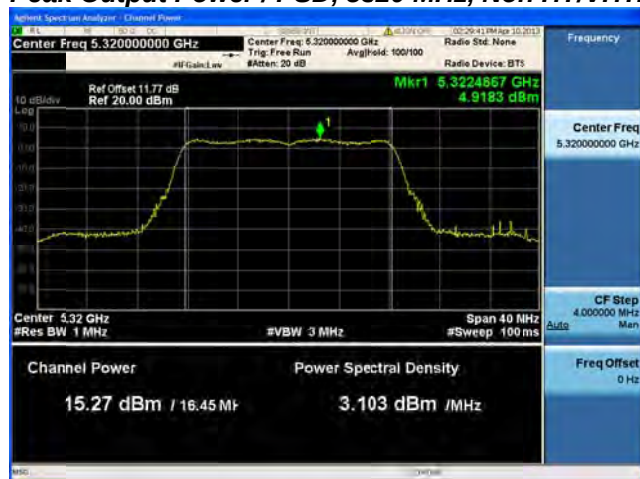
Mkr1 5.3088867 GHz
1.9610 dBm

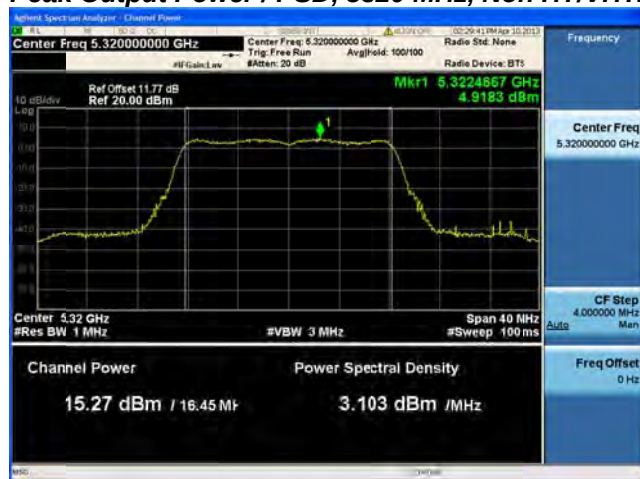
Center 5.31 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
#Sweep 100 ms

Channel Power: 15.89 dBm / 39.1 MHz

Power Spectral Density: 0.3134 dBm / MHz

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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



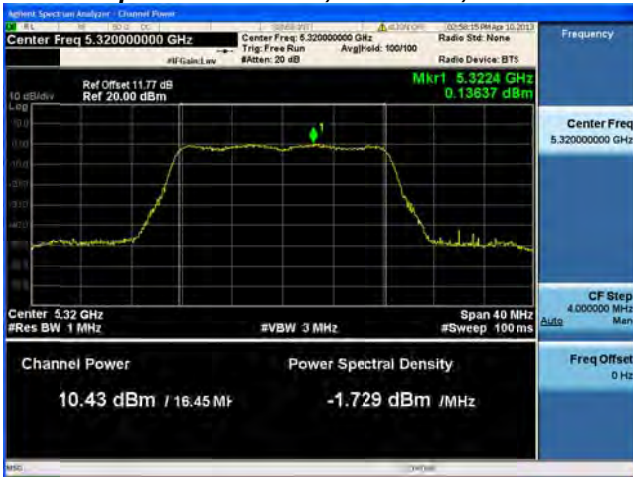
Antenna A

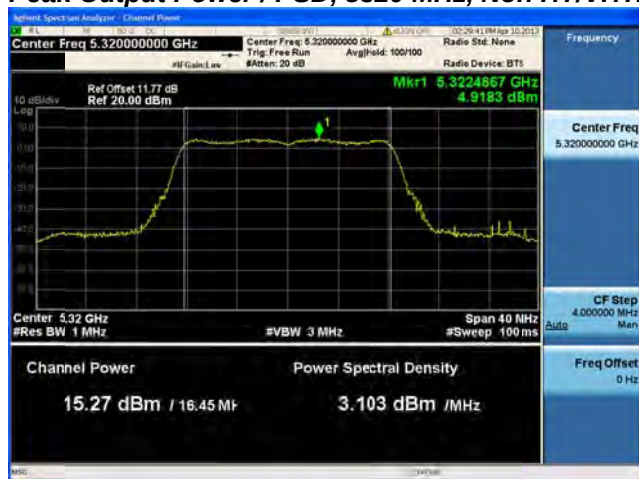


Antenna B



Antenna C

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

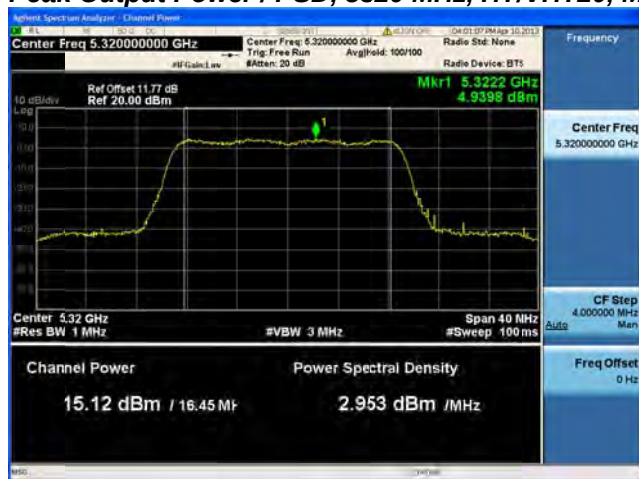
Peak Output Power / PSD, 5320 MHz, Non HT/VHT20 Beam Forming, 6 to 54 Mbps**Antenna A****Antenna B**

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**

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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



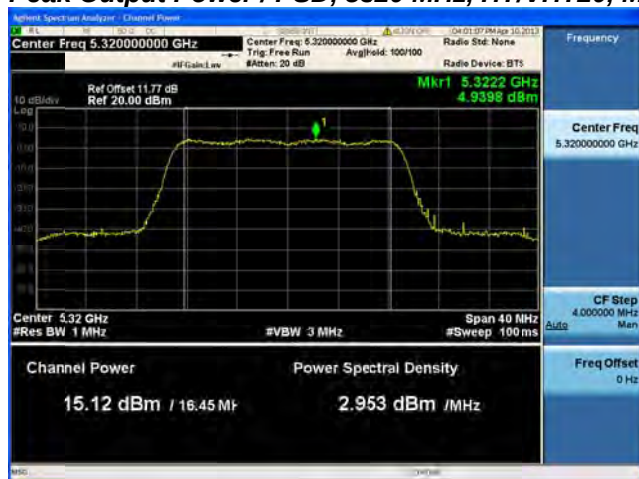
Antenna A

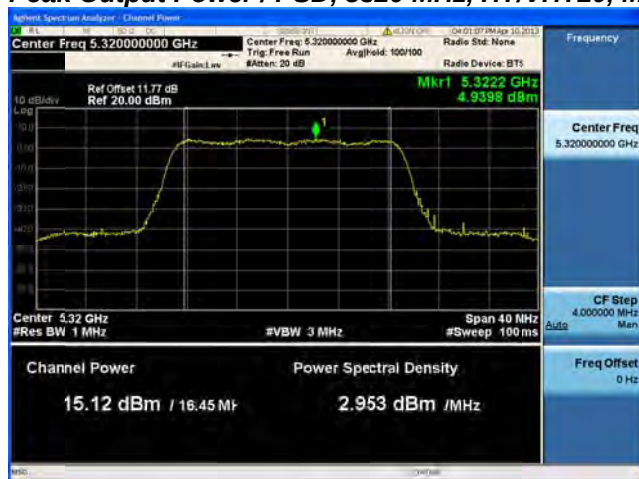


Antenna B



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

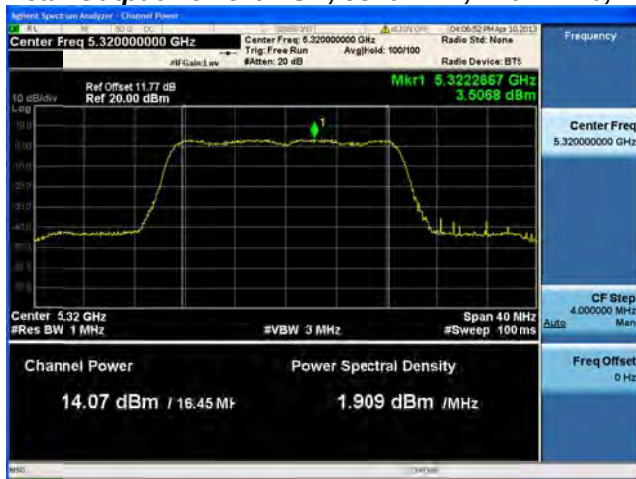


Antenna C



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



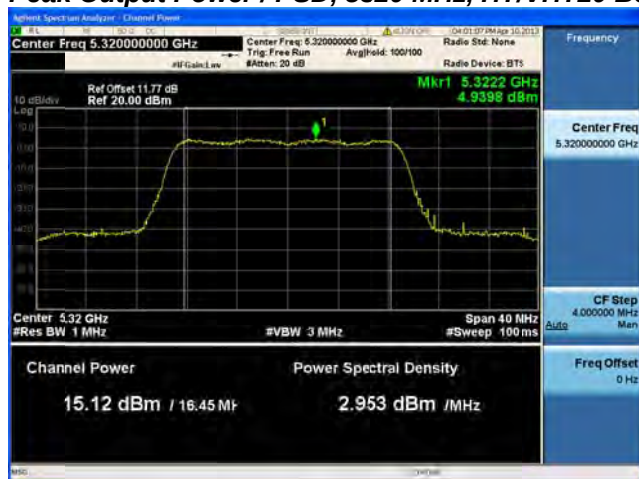
Antenna B



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



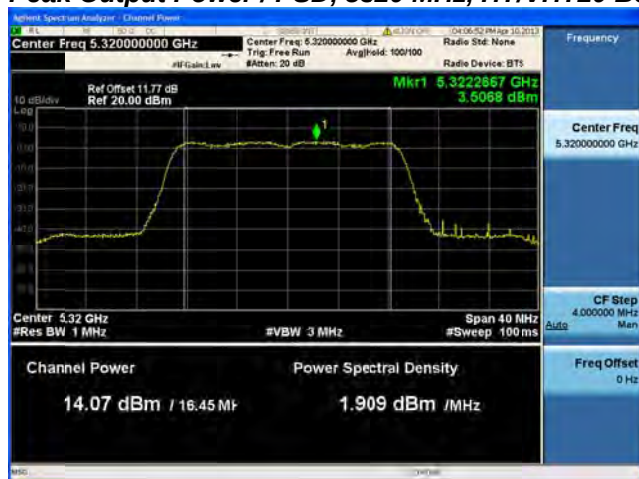
Antenna A



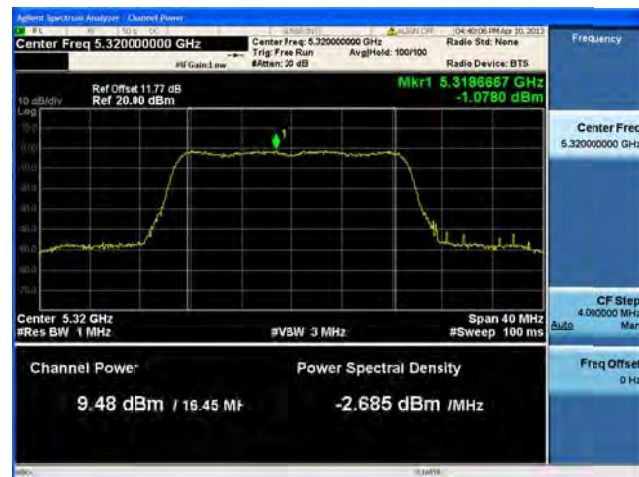
Antenna B



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



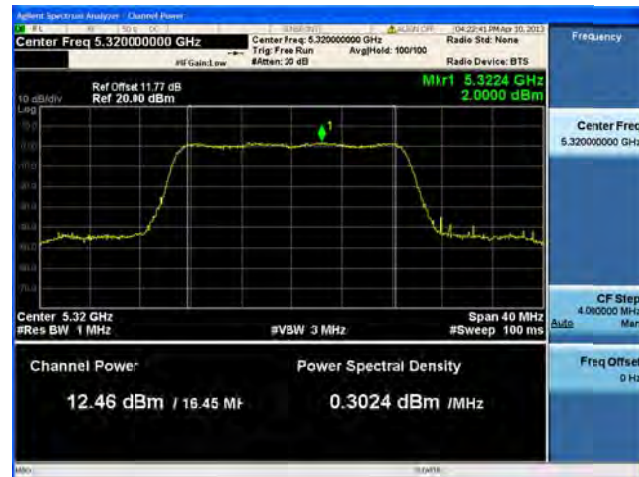
Antenna A



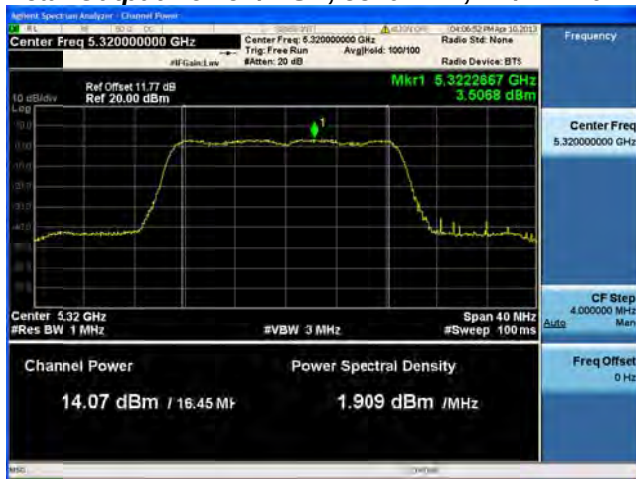
Antenna B

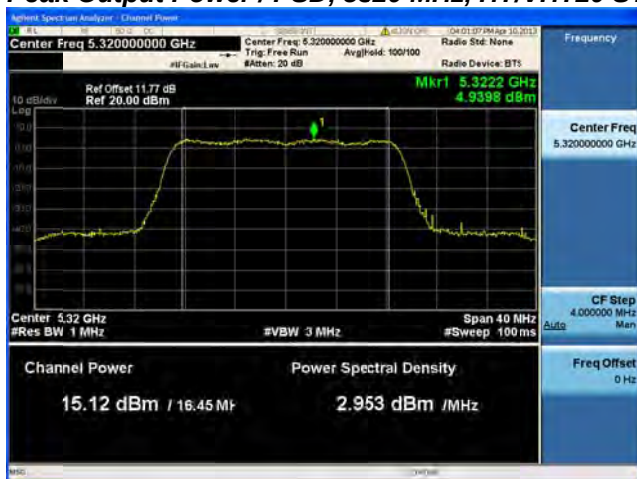


Antenna C



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.

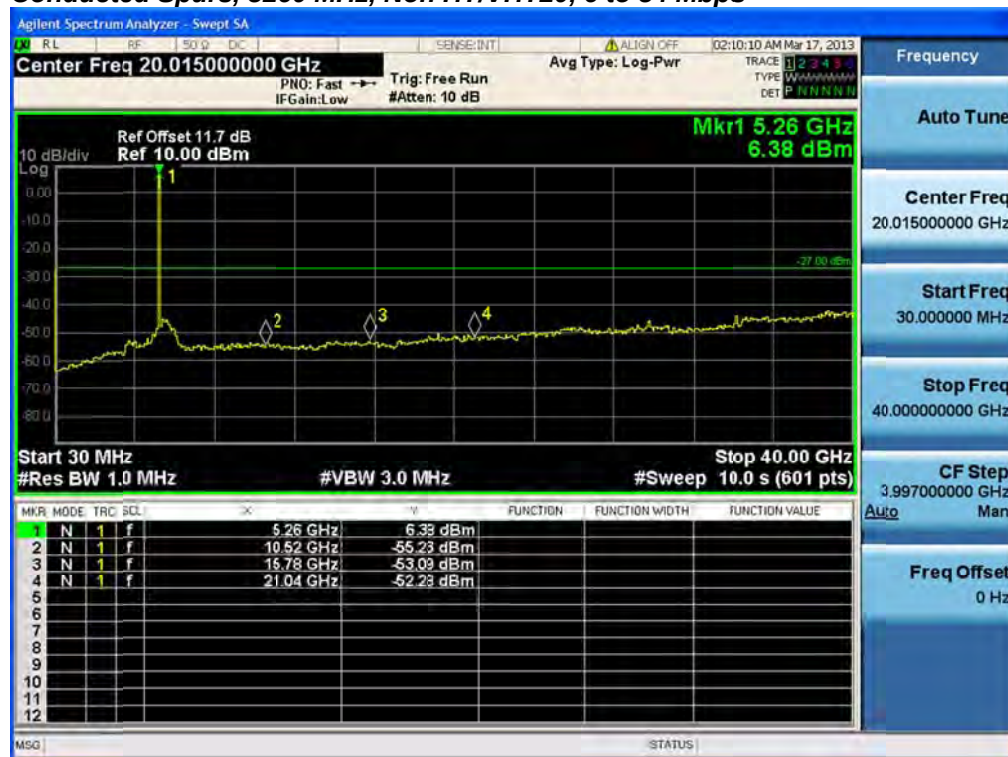
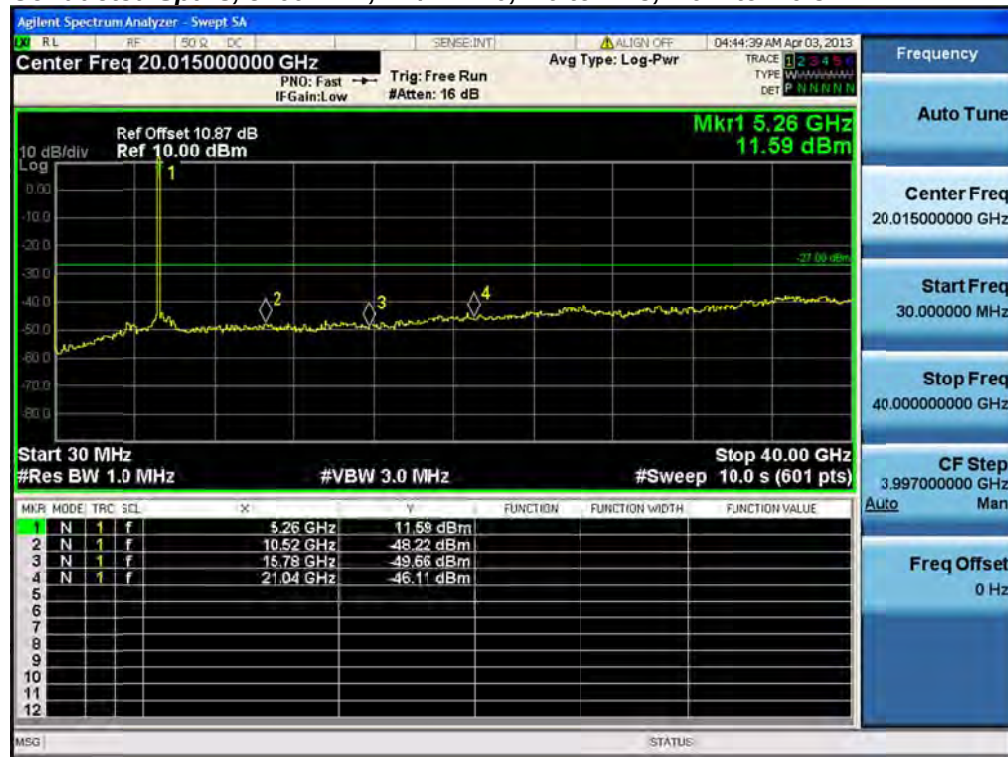
Connect the antenna port(s) to the spectrum analyzer input. Place the radio in continuous transmit mode. Configure the spectrum analyzer as shown below (be sure to enter all losses between the transmitter output and the spectrum analyzer).

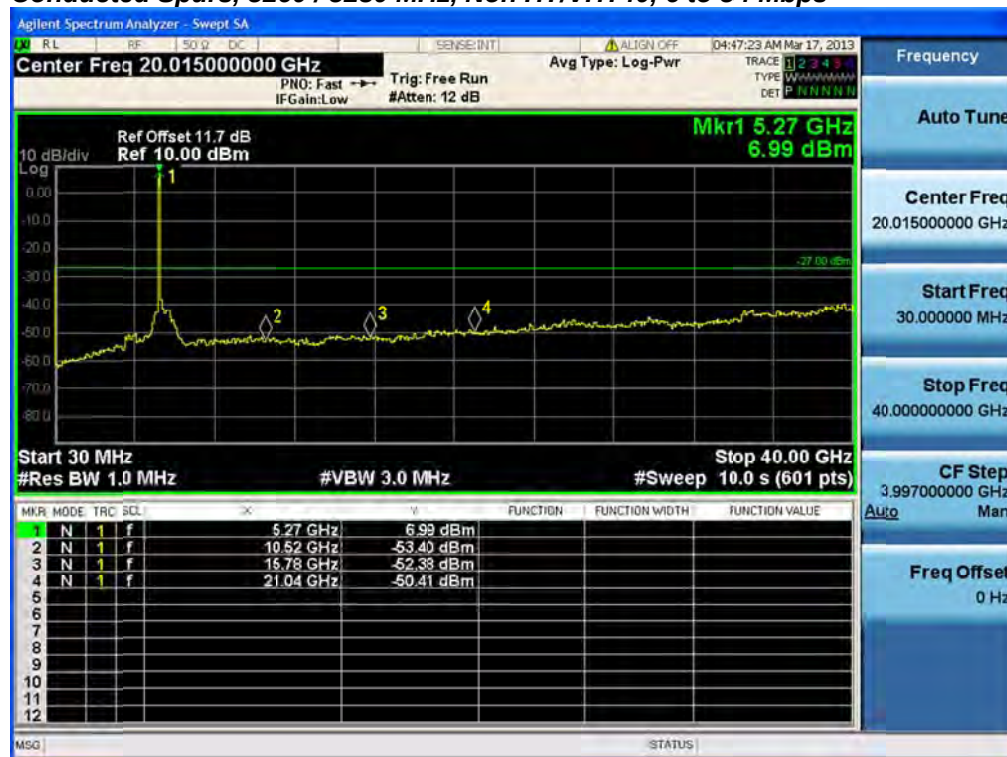
Span:	30 MHz-40 GHz
Reference Level:	20 dBm
Attenuation:	10 dB
Sweep Time:	10 s
Resolution Bandwidth:	1 MHz
Video Bandwidth:	3 MHz
Detector:	Peak
Trace:	Single
Marker:	Peak

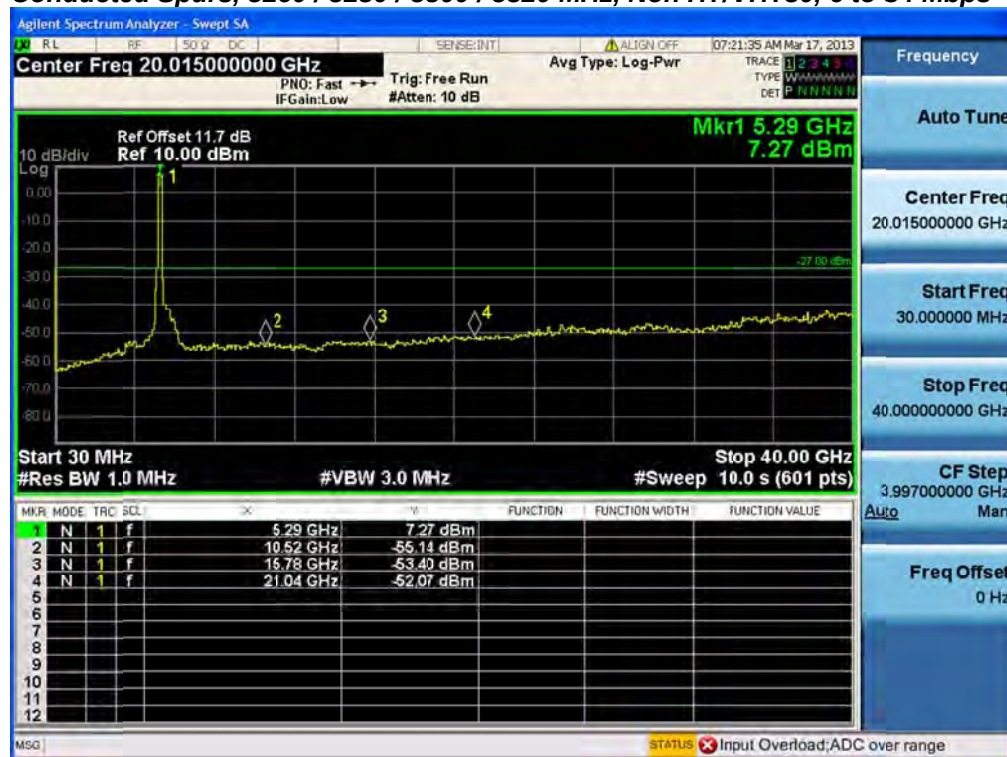
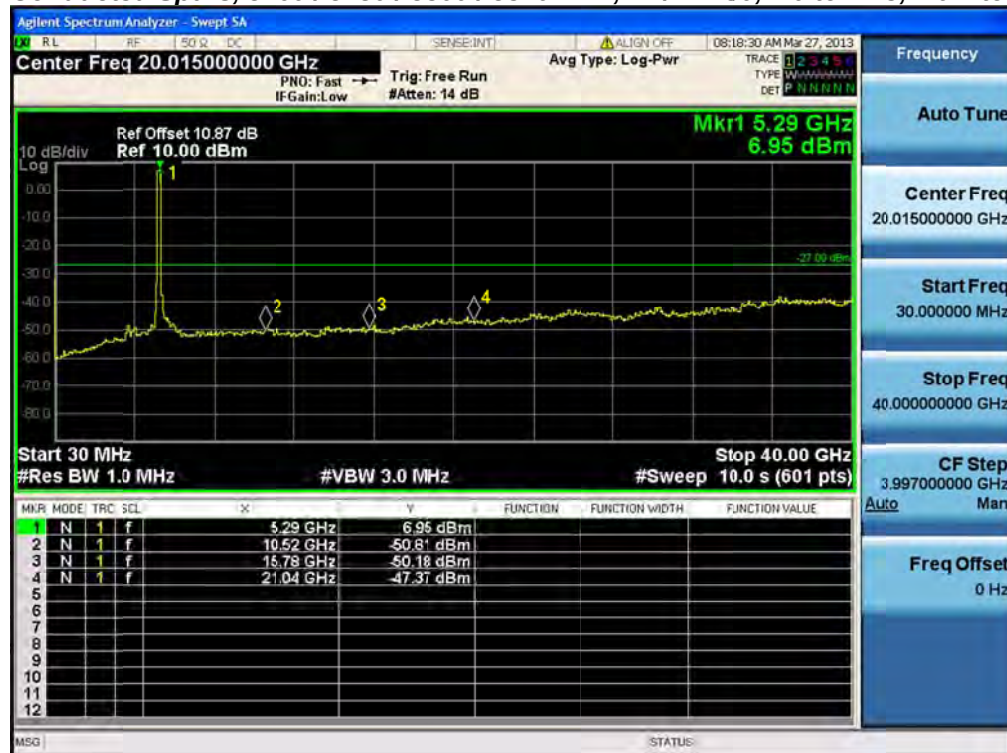
Record the marker waveform peak to spur difference

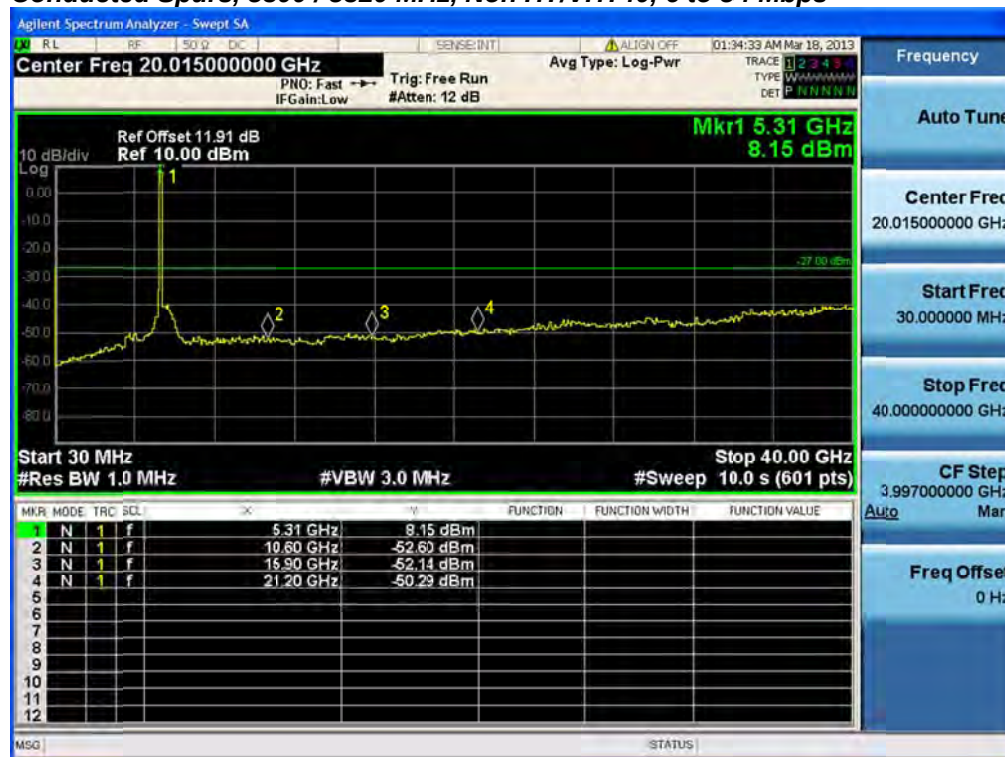


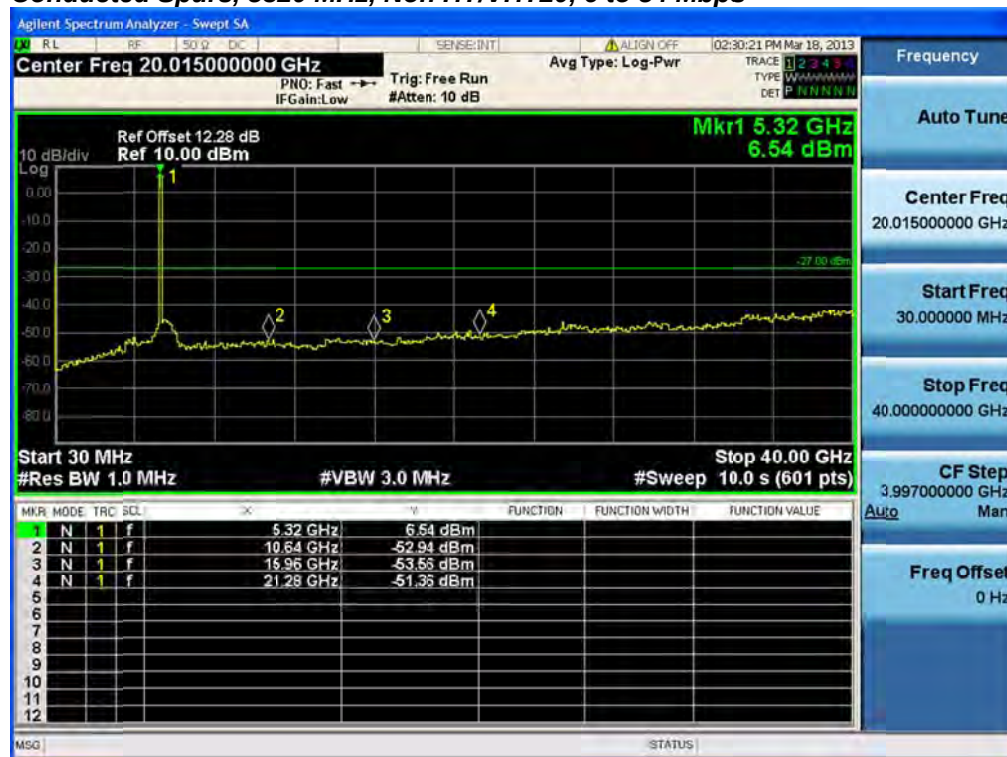
Frequency (MHz)	Mode	Data Rate (Mbps)	Conducted Spurs Delta (MHz)	Limit (kHz)	Margin (MHz)
5260	Non HT/VHT20, 6 to 54 Mbps	2	10	<u>-52.3</u>	-39.3
	HT/VHT20, M0 to M23, M0.1 to M9.3	3	4	<u>-46.1</u>	-37.3
5260/5280	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>-50.4</u>	-46.4
	HT/VHT40, M0 to M23, M0.1 to M9.3	4	4	<u>-50.4</u>	-40.4
5260/5280 5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	4	<u>-52.1</u>	-48.1
	HT/VHT80, M0 to M23, M0.1 to M9.3	3	4	<u>-47.4</u>	-38.6
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>-50.3</u>	-46.3
	HT/VHT40, M0 to M23, M0.1 to M9.3	4	4	<u>-47</u>	-37.0
5320	Non HT/VHT20, 6 to 54 Mbps	2	10	<u>-51.4</u>	-38.4
	HT/VHT20, M0 to M23, M0.1 to M9.3	4	4	<u>-47.1</u>	-37.1

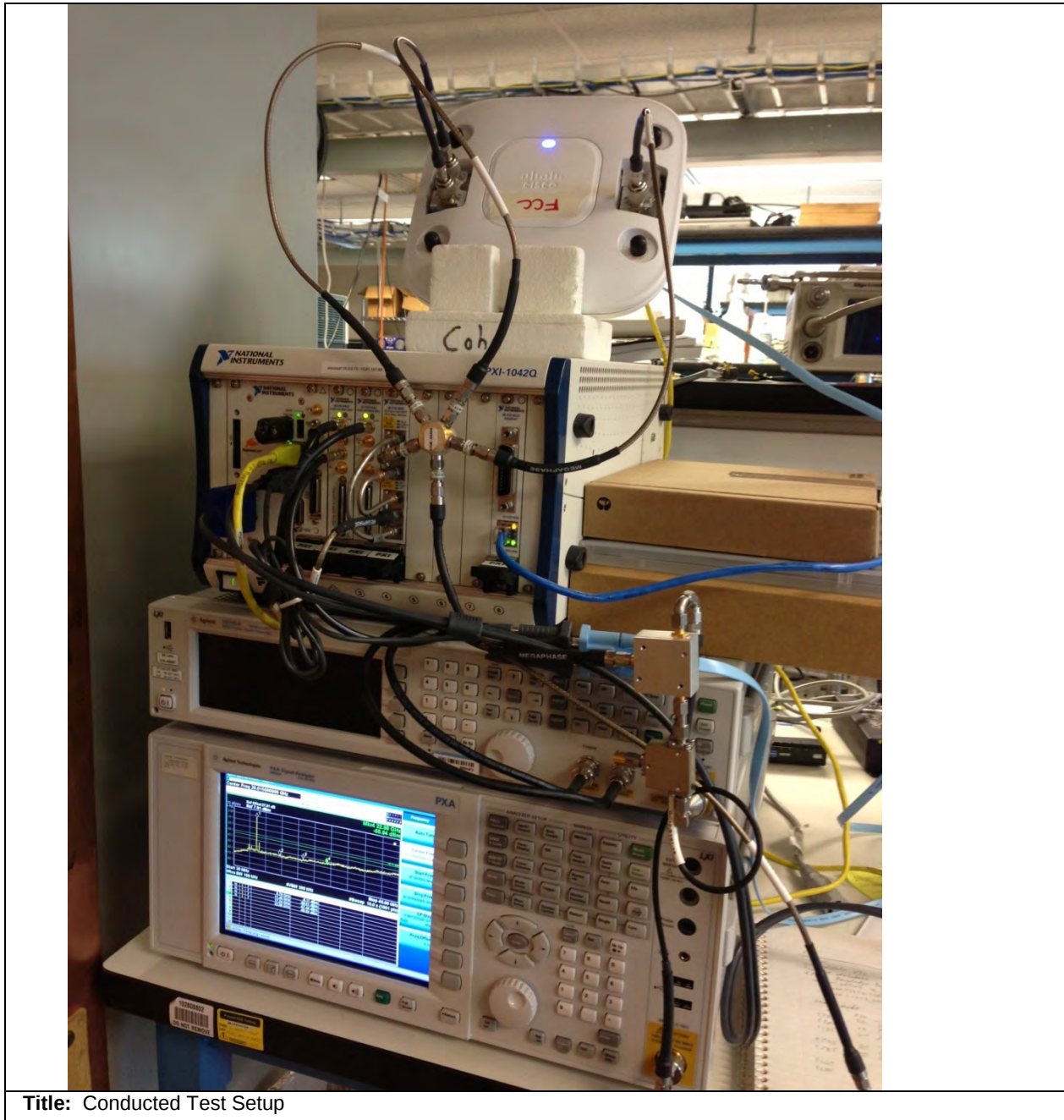
**Conducted Spurs, 5260 MHz, Non HT/VHT20, 6 to 54 Mbps****Conducted Spurs, 5260 MHz, HT/VHT20, M0 to M23, M0.1 to M9.3**

**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	4	-56.6				-52.6	-41.25	11.4
	Non HT/VHT80, 6 to 54 Mbps	2	4	-56.6	-49.4			-44.6	-41.25	3.4
	Non HT/VHT80, 6 to 54 Mbps	3	4	-59.4	-52.9	-48.5		-42.9	-41.25	1.7
	Non HT/VHT80, 6 to 54 Mbps	4	4	-59.4	-52.9	-48.5	-55.5	-42.3	-41.25	1.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	4	-52.2				-48.2	-41.25	7.0
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	4	-52.2	-49.2			-43.4	-41.25	2.2
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	4	-52.2	-49.2			-43.4	-41.25	2.2
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	4	-52.2	-49.2	-53.9		-42.6	-41.25	1.3
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	4	-52.2	-49.2	-53.9		-42.6	-41.25	1.3
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	4	-52.2	-49.2	-53.9		-42.6	-41.25	1.3
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	4	-52.2	-49.2	-53.9	-53.5	-41.8	-41.25	0.5
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	4	-52.2	-49.2	-53.9	-53.5	-41.8	-41.25	0.5
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	4	-52.2	-49.2	-53.9	-53.5	-41.8	-41.25	0.5
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	-55.6	-52.2			-43.6	-41.25	2.3
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	-52.2	-49.2			-43.4	-41.25	2.2
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	3	9	-58.2	-56.8	-63.6		-45.1	-41.25	3.9
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	-55.6	-52.2	-56.2		-43.7	-41.25	2.5
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	-52.2	-49.2	-53.9		-42.6	-41.25	1.3
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	10	-61.1	-58.1	-65.3	-63.1	-45.1	-41.25	3.8
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	-60.2	-57.5	-61.3	-60.9	-46.7	-41.25	5.4
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	5	-55.6	-52.2	-56.2	-56.2	-43.5	-41.25	2.2
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	4	-52.2	-49.2			-43.4	-41.25	2.2
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	3	4	-52.2	-49.2	-53.9		-42.6	-41.25	1.3
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	4	-52.2	-49.2	-53.9	-53.5	-41.8	-41.25	0.5



5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>-48.9</u>				-44.9	-41.25	3.7
	Non HT/VHT40, 6 to 54 Mbps	2	4	<u>-48.9</u>	<u>-52.5</u>			-43.3	-41.25	2.1
	Non HT/VHT40, 6 to 54 Mbps	3	4	<u>-48.9</u>	<u>-52.5</u>	<u>-55.6</u>		-42.7	-41.25	1.5
	Non HT/VHT40, 6 to 54 Mbps	4	4	<u>-56.4</u>	<u>-58.8</u>	<u>-57.3</u>	<u>-58.2</u>	-47.6	-41.25	6.3
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	4	<u>-55.3</u>				-51.3	-41.25	10.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	4	<u>-55.3</u>	<u>-52.0</u>			-46.3	-41.25	5.1
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	4	<u>-55.3</u>	<u>-52.0</u>			-46.3	-41.25	5.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-44.7	-41.25	3.5
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-44.7	-41.25	3.5
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-44.7	-41.25	3.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	4	<u>-57.5</u>	<u>-55.4</u>	<u>-59.8</u>	<u>-58.7</u>	-47.5	-41.25	6.3
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>	<u>-55.2</u>	-43.8	-41.25	2.6
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>	<u>-55.2</u>	-43.8	-41.25	2.6
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>-55.3</u>	<u>-52.0</u>			-43.3	-41.25	2.1
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<u>-55.3</u>	<u>-52.0</u>			-46.3	-41.25	5.1
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	9	<u>-63.2</u>	<u>-61.5</u>	<u>-60.7</u>		-48.1	-41.25	6.9
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>-56.7</u>	<u>-53.8</u>	<u>-58.8</u>		-45.4	-41.25	4.1
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-44.7	-41.25	3.5
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	10	<u>-63.7</u>	<u>-63.4</u>	<u>-63.3</u>	<u>-65.7</u>	-47.9	-41.25	6.7
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>-57.9</u>	<u>-56.8</u>	<u>-60.4</u>	<u>-59.6</u>	-45.4	-41.25	4.2
	HT/VHT40 Beam Forming, 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>	-45.1	-41.25	3.8
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	4	<u>-55.3</u>	<u>-52.0</u>			-46.3	-41.25	5.1
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>		-44.7	-41.25	3.5
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	4	<u>-55.3</u>	<u>-52.0</u>	<u>-53.8</u>	<u>-55.2</u>	-43.8	-41.25	2.6
5320	Non HT/VHT20, 6 to 54 Mbps	1	4	<u>-63.8</u>				-59.8	-41.25	18.6
	Non HT/VHT20, 6 to 54 Mbps	2	4	<u>-63.8</u>	<u>-64.3</u>			-57.0	-41.25	15.8
	Non HT/VHT20, 6 to 54 Mbps	3	4	<u>-65.8</u>	<u>-66.6</u>	<u>-67.6</u>		-57.8	-41.25	16.6
	Non HT/VHT20, 6 to 54 Mbps	4	4	<u>-70.6</u>	<u>-70.3</u>	<u>-68.9</u>	<u>-70.8</u>	-60.1	-41.25	18.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	7	<u>-63.8</u>	<u>-64.3</u>			-54.0	-41.25	12.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	9	<u>-69.7</u>	<u>-69.8</u>	<u>-68.9</u>		-55.9	-41.25	14.6
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	10	<u>-71.0</u>	<u>-70.7</u>	<u>-69.6</u>	<u>-71.3</u>	-54.6	-41.25	13.3
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	4	<u>-63.7</u>				-59.7	-41.25	18.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	4	<u>-63.7</u>	<u>-59.5</u>			-54.1	-41.25	12.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	4	<u>-63.7</u>	<u>-59.5</u>			-54.1	-41.25	12.9
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	4	<u>-65.8</u>	<u>-63.3</u>	<u>-68.2</u>		-56.5	-41.25	15.3
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	4	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-53.0	-41.25	11.8
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	4	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-53.0	-41.25	11.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	4	<u>-70.3</u>	<u>-68.3</u>	<u>-69.8</u>	<u>-69.9</u>	-59.5	-41.25	18.2
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	4	<u>-65.8</u>	<u>-63.3</u>	<u>-68.2</u>	<u>-66.1</u>	-55.5	-41.25	14.2
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	4	<u>-64.9</u>	<u>-62.2</u>	<u>-67.0</u>	<u>-64.8</u>	-54.4	-41.25	13.1



HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>-63.7</u>	<u>-59.5</u>			-51.1	-41.25	9.9
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<u>-63.7</u>	<u>-59.5</u>			-54.1	-41.25	12.9
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	9	<u>-69.8</u>	<u>-68.0</u>	<u>-69.5</u>		-55.5	-41.25	14.2
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>-64.9</u>	<u>-62.2</u>	<u>-67.0</u>		-53.7	-41.25	12.4
HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-53.0	-41.25	11.8
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	10	<u>-70.8</u>	<u>-69.4</u>	<u>-70.5</u>	<u>-71.5</u>	-54.5	-41.25	13.2
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>-67.5</u>	<u>-65.8</u>	<u>-68.9</u>	<u>-66.8</u>	-54.1	-41.25	12.8
HT/VHT20 Beam Forming, 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>	-53.2	-41.25	11.9
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	4	<u>-63.7</u>	<u>-59.5</u>			-54.1	-41.25	12.9
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	4	<u>-63.7</u>	<u>-59.5</u>	<u>-63.6</u>		-53.0	-41.25	11.8
HT/VHT20, M0 to M7, M0.1 to M9.1	1	4	<u>-65.8</u>	<u>-63.3</u>	<u>-68.2</u>	<u>17.0</u>	21.0	15	-6.0



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	4	-43.5				-39.5	-21.25	18.3
	Non HT/VHT80, 6 to 54 Mbps	2	4	-43.5	-35.0			-30.4	-21.25	9.2
	Non HT/VHT80, 6 to 54 Mbps	3	4	-47.3	-37.2	-39.2		-30.8	-21.25	9.6
	Non HT/VHT80, 6 to 54 Mbps	4	4	-47.3	-37.2	-39.2	-38.6	-29.3	-21.25	8.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	4	-36.8				-32.8	-21.25	11.6
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	4	-36.8	-35.8			-29.3	-21.25	8.0
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	4	-36.8	-35.8			-29.3	-21.25	8.0
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	4	-36.8	-35.8	-39.8		-28.4	-21.25	7.1
	HT/VHT80, M8 to M15, M0.2 to M9.2	3	4	-36.8	-35.8	-39.8		-28.4	-21.25	7.1
	HT/VHT80, M16 to M23, M0.3 to M9.3	3	4	-36.8	-35.8	-39.8		-28.4	-21.25	7.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	4	-36.8	-35.8	-39.8	-40.2	-27.7	-21.25	6.5
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	4	-36.8	-35.8	-39.8	-40.2	-27.7	-21.25	6.5
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	4	-36.8	-35.8	-39.8	-40.2	-27.7	-21.25	6.5
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	-41.6	-38.6			-29.8	-21.25	8.6
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	-36.8	-35.8			-29.3	-21.25	8.0
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	3	9	-43.2	-42.8	-51.1		-30.9	-21.25	9.6
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	-41.6	-38.6	-41.3		-29.7	-21.25	8.5
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	-36.8	-35.8	-39.8		-28.4	-21.25	7.1
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	10	-47.6	-44.4	-52.3	-49.0	-31.4	-21.25	10.2
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	-47.5	-47.2	-49.5	-49.2	-35.2	-21.25	14.0
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	5	-41.6	-38.6	-41.3	-44.2	-29.8	-21.25	8.5
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	4	-36.8	-35.8			-29.3	-21.25	8.0
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	3	4	-36.8	-35.8	-39.8		-28.4	-21.25	7.1
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	4	-36.8	-35.8	-39.8	-40.2	-27.7	-21.25	6.5



5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	4	<u>-33.3</u>				-29.3	-21.25	8.1
	Non HT/VHT40, 6 to 54 Mbps	2	4	<u>-33.3</u>	<u>-37.8</u>			-28.0	-21.25	6.7
	Non HT/VHT40, 6 to 54 Mbps	3	4	<u>-33.3</u>	<u>-37.8</u>	<u>-35.8</u>		-26.5	-21.25	5.2
	Non HT/VHT40, 6 to 54 Mbps	4	4	<u>-42.2</u>	<u>-40.7</u>	<u>-44.0</u>	<u>-46.5</u>	-32.8	-21.25	11.6
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	4	<u>-39.4</u>				-35.4	-21.25	14.2
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	4	<u>-39.4</u>	<u>-35.9</u>			-30.3	-21.25	9.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	4	<u>-39.4</u>	<u>-35.9</u>			-30.3	-21.25	9.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-30.0	-21.25	8.8
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-30.0	-21.25	8.8
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-30.0	-21.25	8.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	4	<u>-47.5</u>	<u>-44.8</u>	<u>-51.9</u>	<u>-47.5</u>	-37.2	-21.25	16.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>	<u>-40.1</u>	-29.1	-21.25	7.8
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>	<u>-40.1</u>	-29.1	-21.25	7.8
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>-39.4</u>	<u>-35.9</u>			-27.3	-21.25	6.0
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<u>-39.4</u>	<u>-35.9</u>			-30.3	-21.25	9.0
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	3	9	<u>-45.4</u>	<u>-48.4</u>	<u>-56.4</u>		-34.6	-21.25	13.4
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>-44.7</u>	<u>-40.3</u>	<u>-49.9</u>		-32.8	-21.25	11.6
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-30.0	-21.25	8.8
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	10	<u>-54.9</u>	<u>-55.3</u>	<u>-57.5</u>	<u>-55.2</u>	-39.6	-21.25	18.3
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>-46.2</u>	<u>-47.3</u>	<u>-46.1</u>	<u>-51.3</u>	-34.3	-21.25	13.0
	HT/VHT40 Beam Forming, 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>	-32.3	-21.25	11.1
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	4	<u>-39.4</u>	<u>-35.9</u>			-30.3	-21.25	9.0
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	3	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>		-30.0	-21.25	8.8
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	4	<u>-39.4</u>	<u>-35.9</u>	<u>-46.0</u>	<u>-40.1</u>	-29.1	-21.25	7.8
5320	Non HT/VHT20, 6 to 54 Mbps	1	4	<u>-51.9</u>				-47.9	-21.25	26.7
	Non HT/VHT20, 6 to 54 Mbps	2	4	<u>-51.9</u>	<u>-54.7</u>			-46.1	-21.25	24.8
	Non HT/VHT20, 6 to 54 Mbps	3	4	<u>-52.7</u>	<u>-55.0</u>	<u>-57.2</u>		-45.8	-21.25	24.6
	Non HT/VHT20, 6 to 54 Mbps	4	4	<u>-60.4</u>	<u>-63.2</u>	<u>-60.7</u>	<u>-60.6</u>	-51.1	-21.25	29.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	7	<u>-51.9</u>	<u>-54.7</u>			-43.1	-21.25	21.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	9	<u>-60.4</u>	<u>-61.1</u>	<u>-60.7</u>		-47.2	-21.25	25.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	10	<u>-59.2</u>	<u>-63.5</u>	<u>-60.3</u>	<u>-60.9</u>	-44.7	-21.25	23.4
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	4	<u>-43.9</u>				-39.9	-21.25	18.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	4	<u>-43.9</u>	<u>-43.2</u>			-36.5	-21.25	15.3
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	4	<u>-43.9</u>	<u>-43.2</u>			-36.5	-21.25	15.3
	HT/VHT20, M0 to M7, M0.1 to M9.1	3	4	<u>-53.7</u>	<u>-49.6</u>	<u>-57.3</u>		-43.7	-21.25	22.4
	HT/VHT20, M8 to M15, M0.2 to M9.2	3	4	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-35.9	-21.25	14.7
	HT/VHT20, M16 to M23, M0.3 to M9.3	3	4	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-35.9	-21.25	14.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	4	<u>-61.2</u>	<u>-57.6</u>	<u>-61.2</u>	<u>-62.2</u>	-50.1	-21.25	28.9
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	4	<u>-53.7</u>	<u>-49.6</u>	<u>-57.3</u>	<u>-55.1</u>	-43.0	-21.25	21.7
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	4	<u>-53.5</u>	<u>-45.8</u>	<u>-54.2</u>	<u>-50.5</u>	-39.6	-21.25	18.4



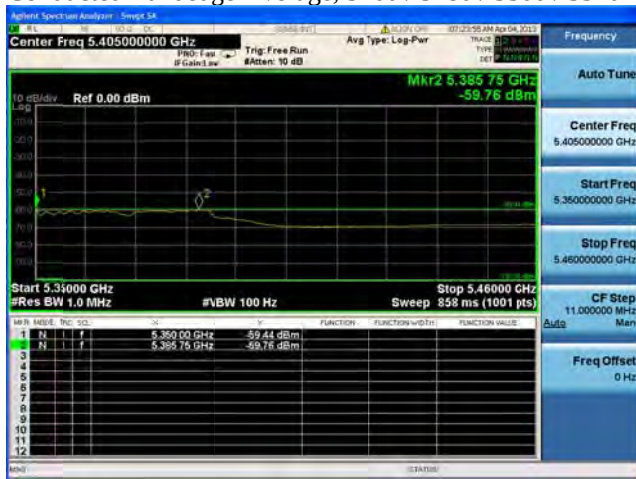
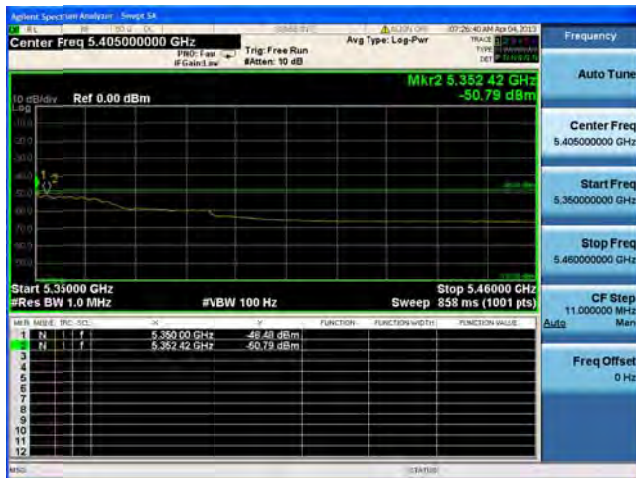
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	7	<u>-43.9</u>	<u>-43.2</u>			-33.5	-21.25	12.3
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	4	<u>-43.9</u>	<u>-43.2</u>			-36.5	-21.25	15.3
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	3	9	<u>-61.1</u>	<u>-57.6</u>	<u>-58.1</u>		-45.1	-21.25	23.9
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	6	<u>-53.5</u>	<u>-45.8</u>	<u>-54.2</u>		-38.8	-21.25	17.6
HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	4	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-35.9	-21.25	14.7
HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	10	<u>-62.5</u>	<u>-61.4</u>	<u>-59.2</u>	<u>-64.1</u>	-45.4	-21.25	24.2
HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	7	<u>-54.9</u>	<u>-50.5</u>	<u>-57.8</u>	<u>-57.4</u>	-41.1	-21.25	19.8
HT/VHT20 Beam Forming, 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>	-38.4	-21.25	17.2
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	4	<u>-43.9</u>	<u>-43.2</u>			-36.5	-21.25	15.3
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	3	4	<u>-43.9</u>	<u>-43.2</u>	<u>-48.7</u>		-35.9	-21.25	14.7
HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	4	<u>-53.7</u>	<u>-49.6</u>	<u>-57.3</u>	<u>-55.1</u>	-43.0	-21.25	21.7

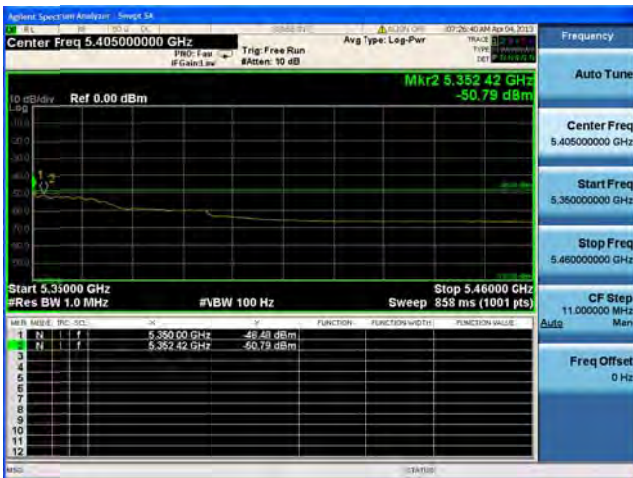
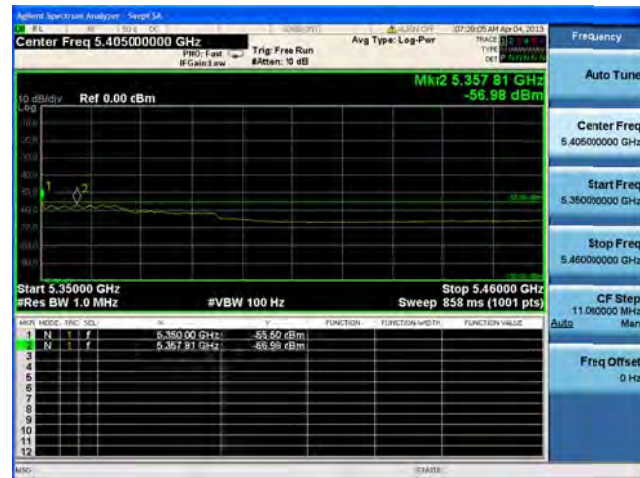
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps**Antenna A**

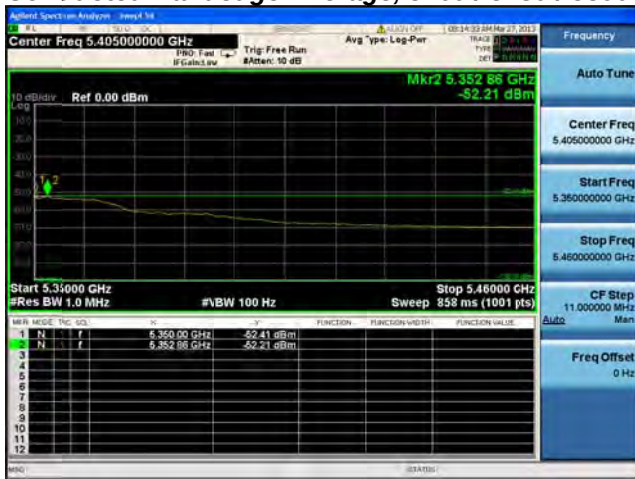
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps****Antenna A****Antenna B**

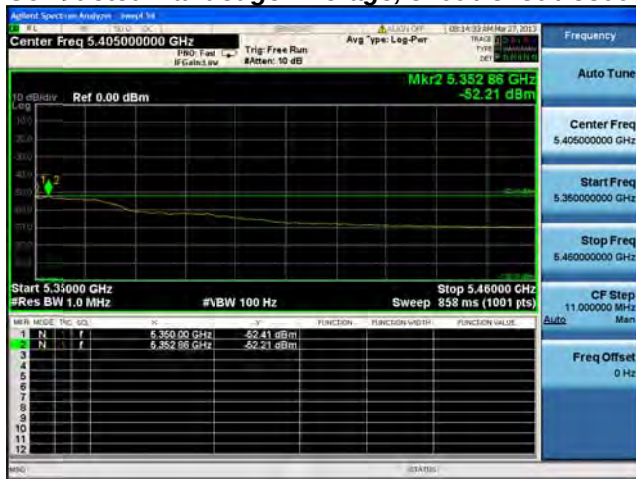
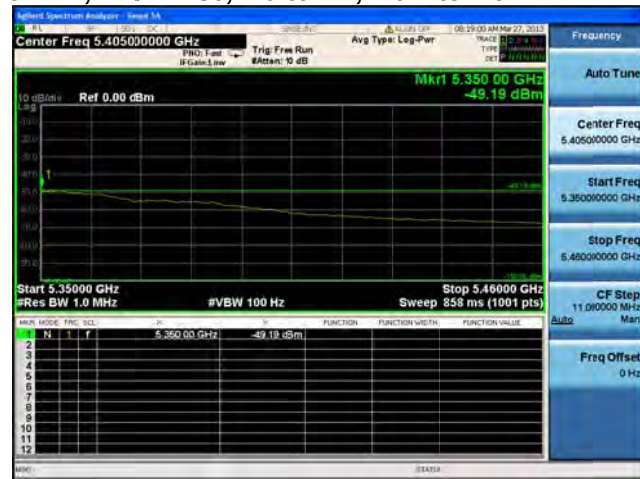


Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps

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

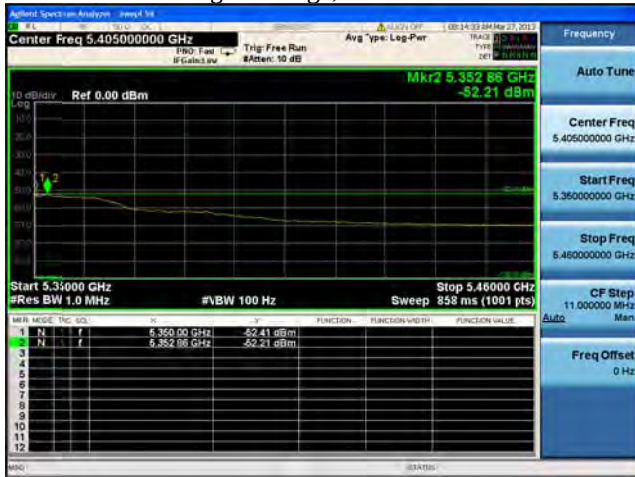
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

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

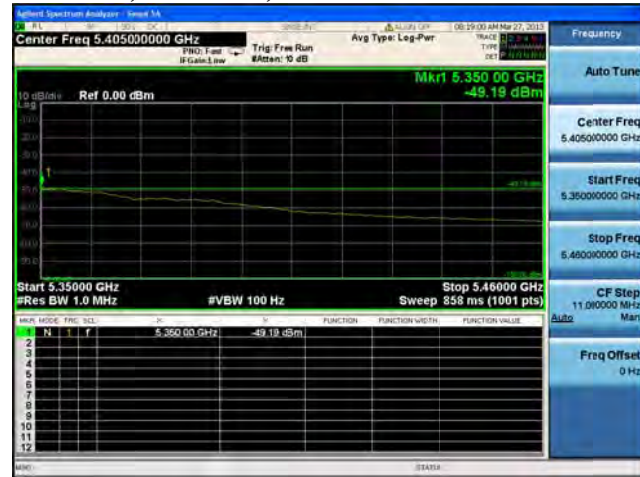
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



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

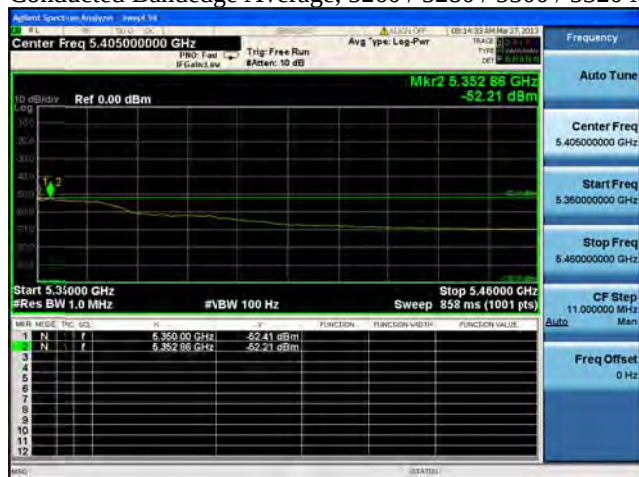


Antenna A

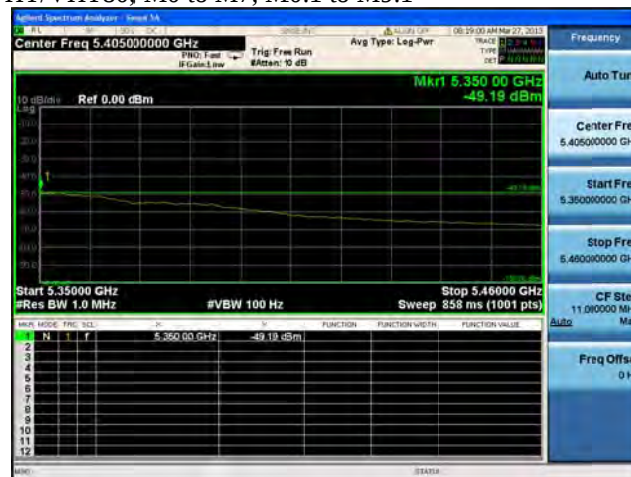


Antenna B

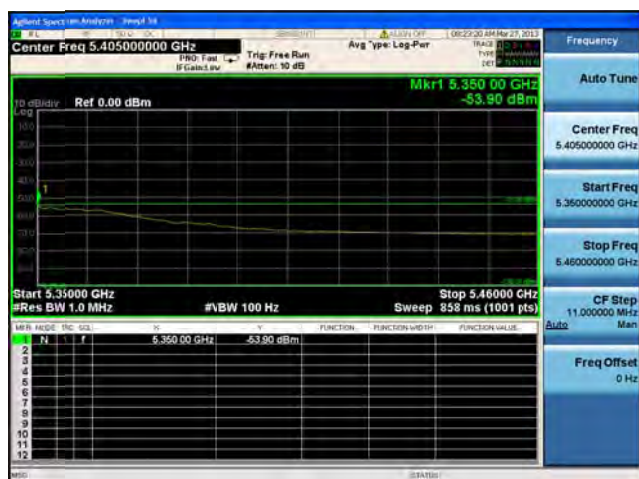
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M0 to M7, M0.1 to M9.1



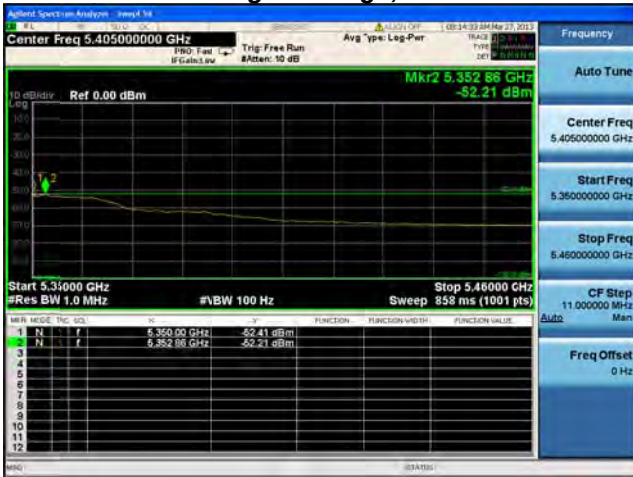
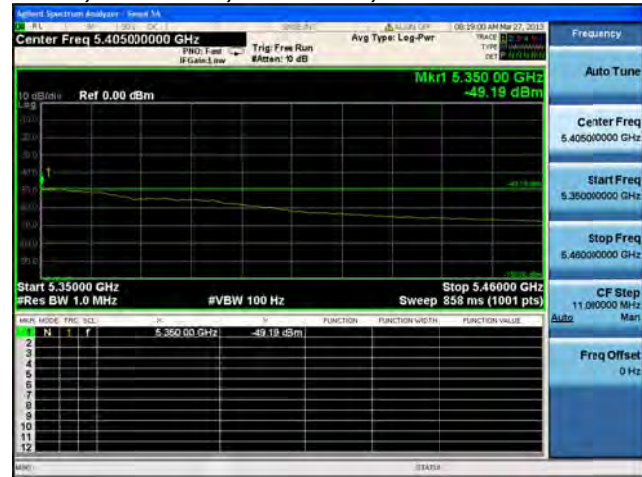
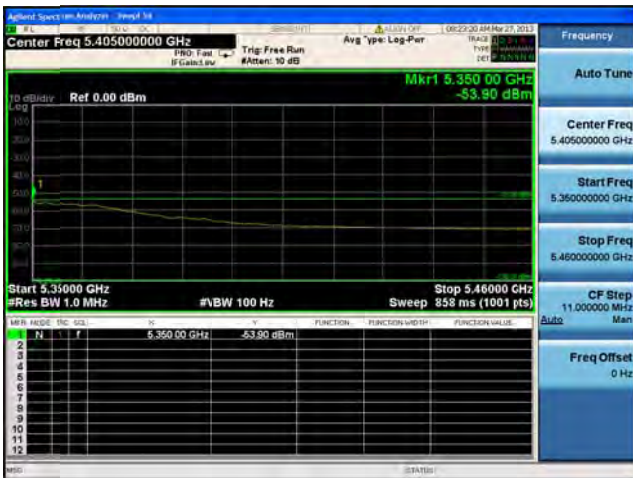
Antenna A

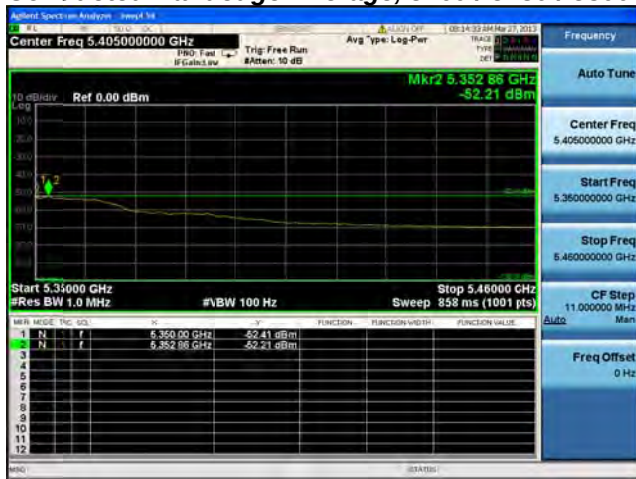
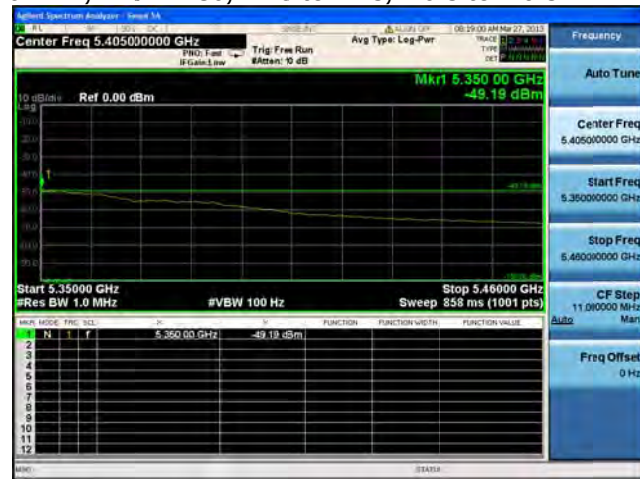
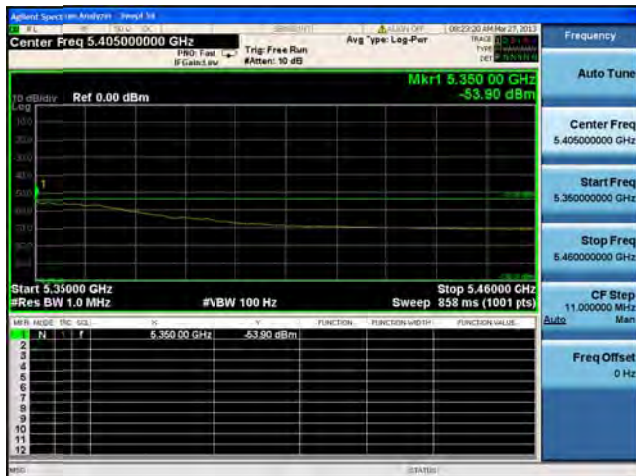


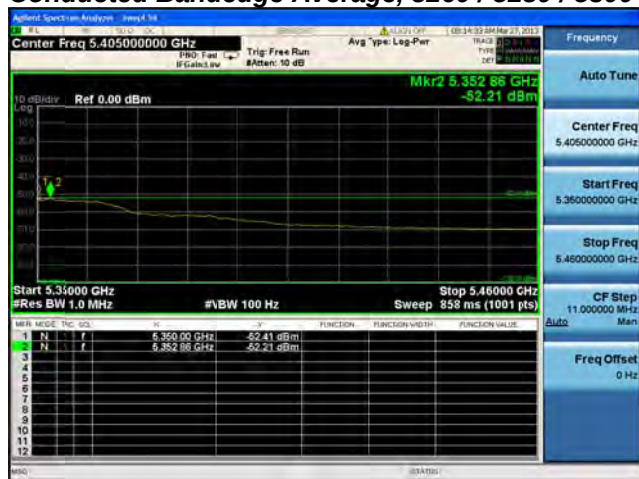
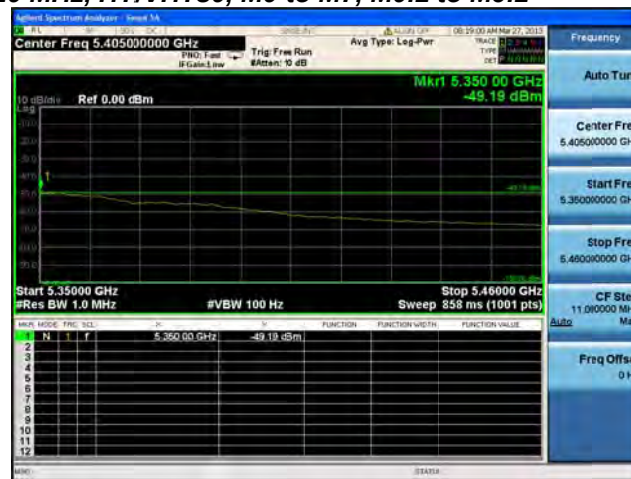
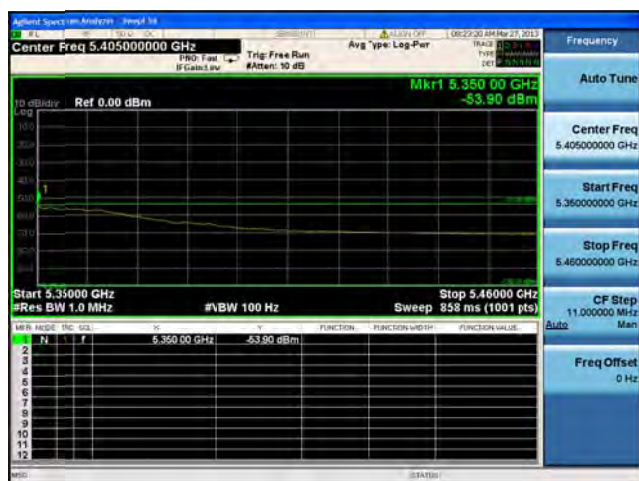
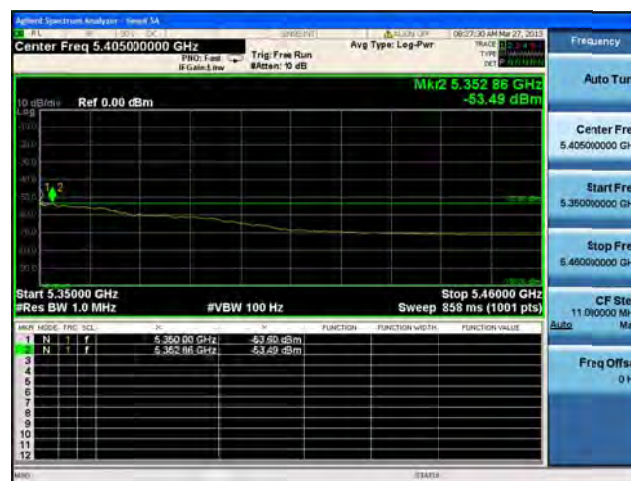
Antenna B

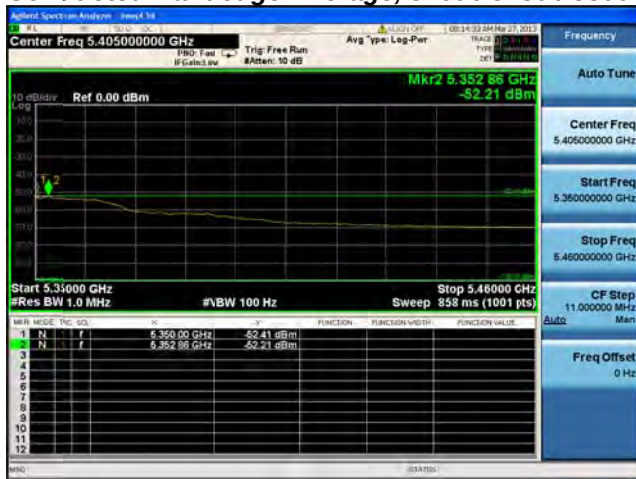
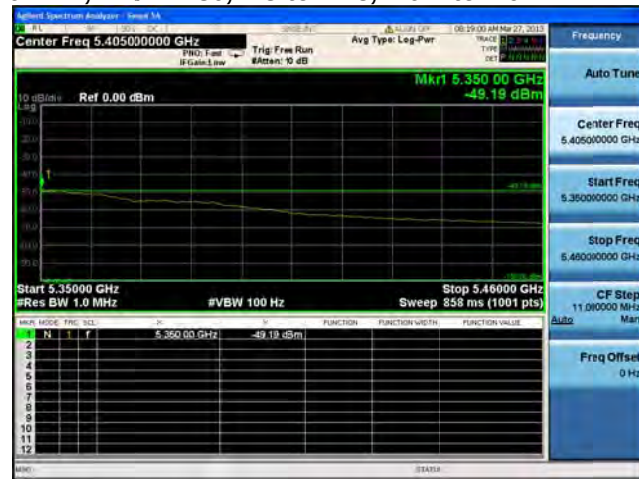
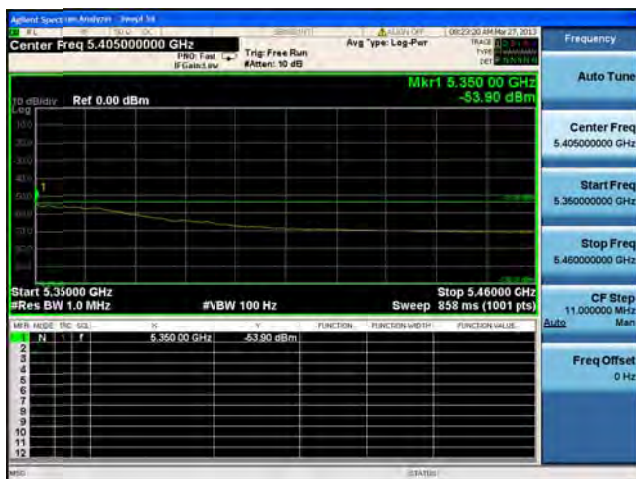
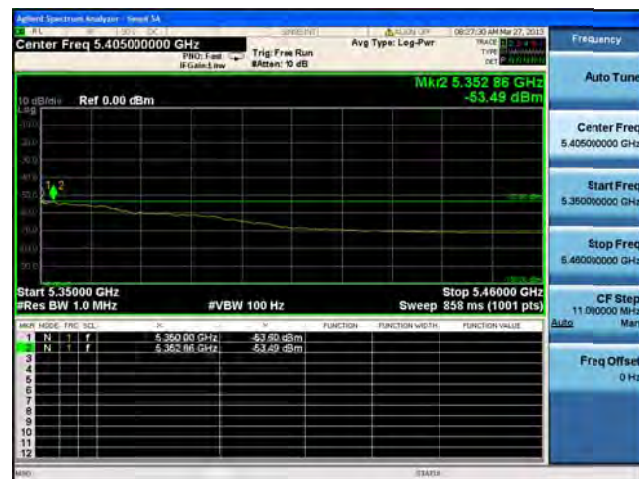


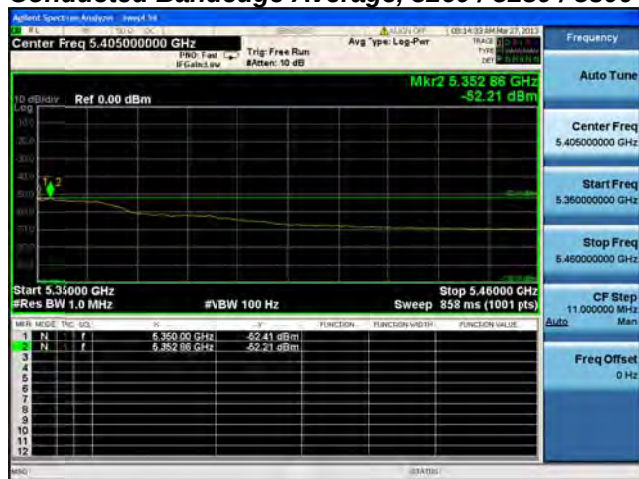
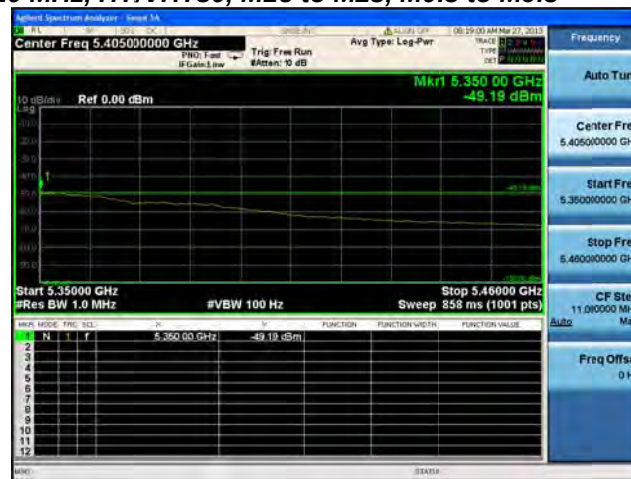
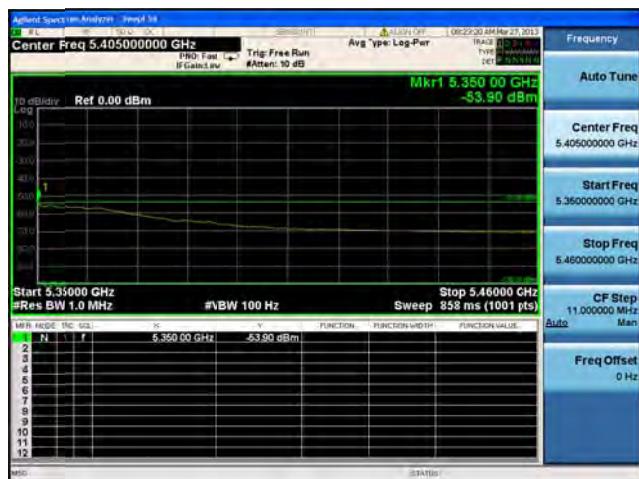
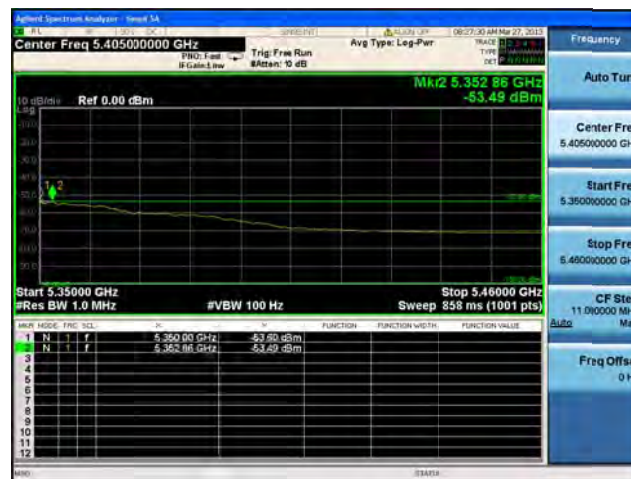
Antenna C

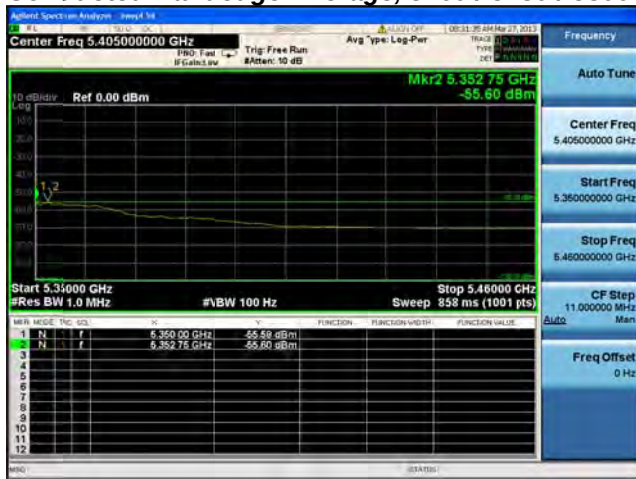
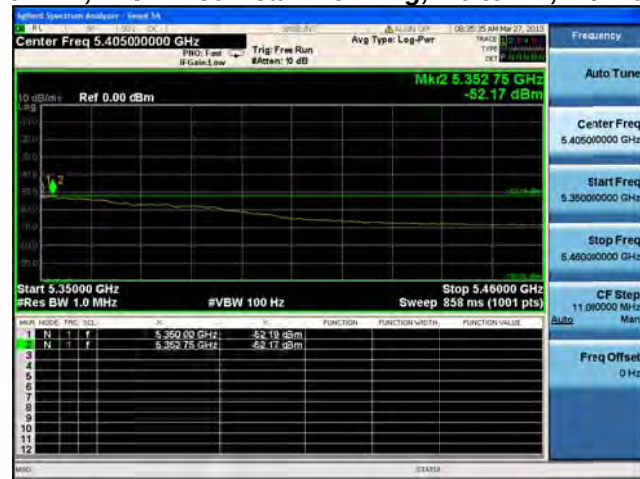
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**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**

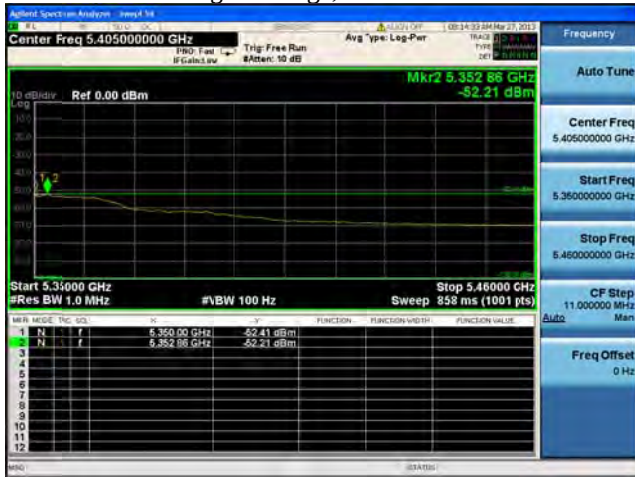
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

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**

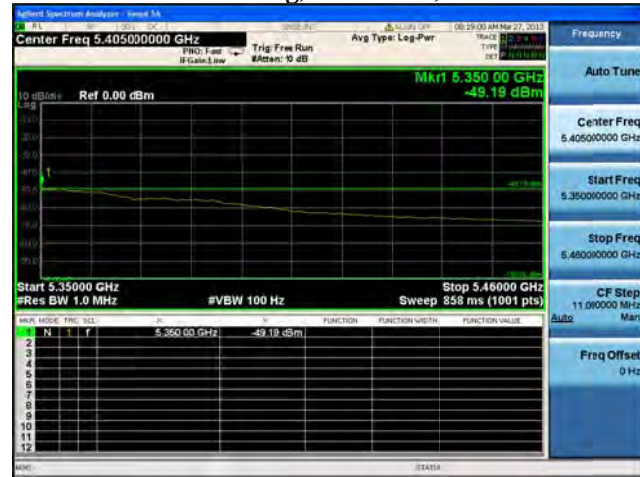
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



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



Antenna A



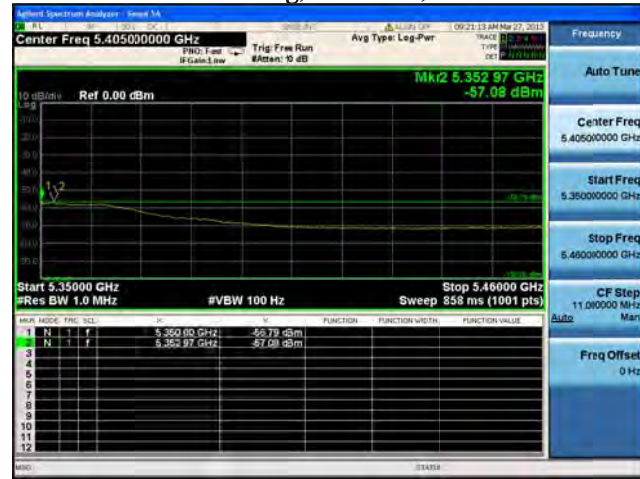
Antenna B



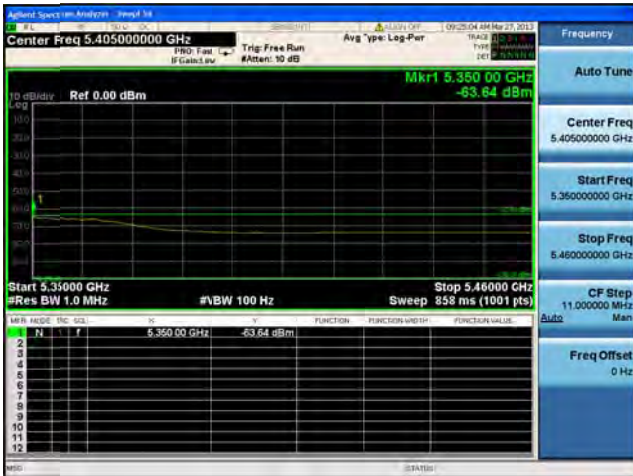
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1



Antenna A



Antenna B



Antenna C

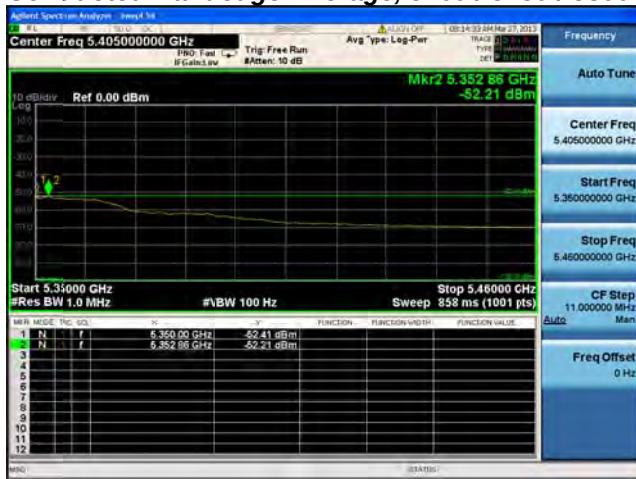
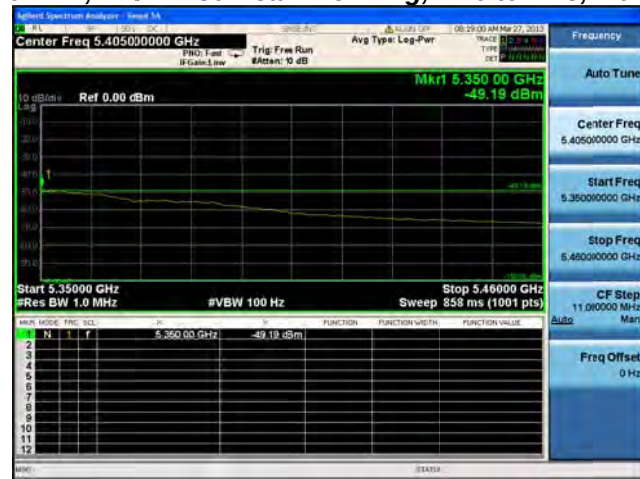
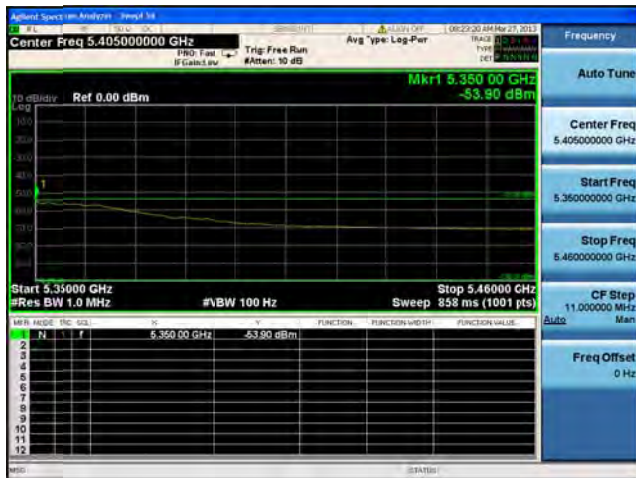
Instrument: Spectrum Analyzer Model: N9910A
 Center Freq 5.405000000 GHz
 Fwd: Fast (B Calcs) SW
 Trig: Free Run
 Attenu: 10 dB
 Avg Type: Log-Pwr
 Date: 11-20 AM Nov 29, 2013
 Trace: B1, L1
 Type: Freq
 Det: Pk
 Video: 100 Hz
 Span: 100 kHz
 Res BW: 100 kHz
 Sweep: 893 ms (1001 pts)
 Mkr2 5.35275 GHz
 -55.60 dBm
 Ref 0.00 dBm
 Start 5.30000 GHz
 Stop 5.46000 GHz
 Res BW 1.0 MHz
 #BW 100 Hz
 Sweep 893 ms (1001 pts)

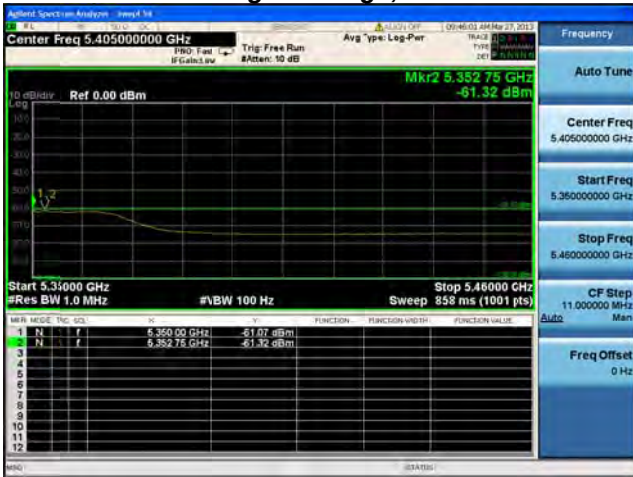
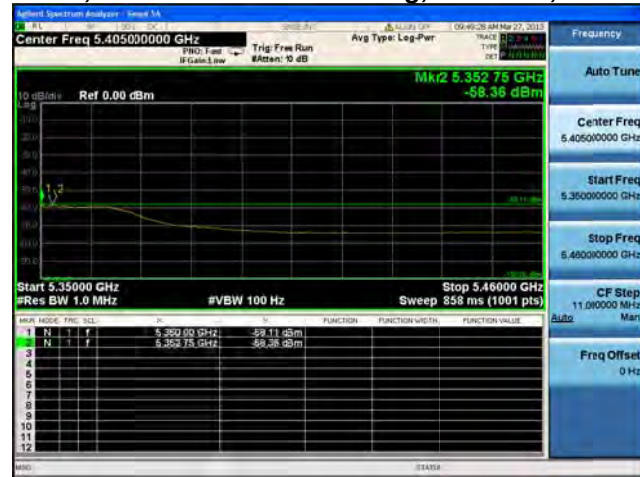
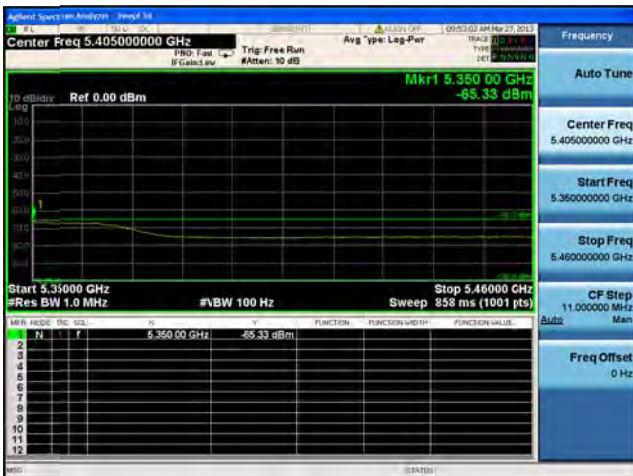
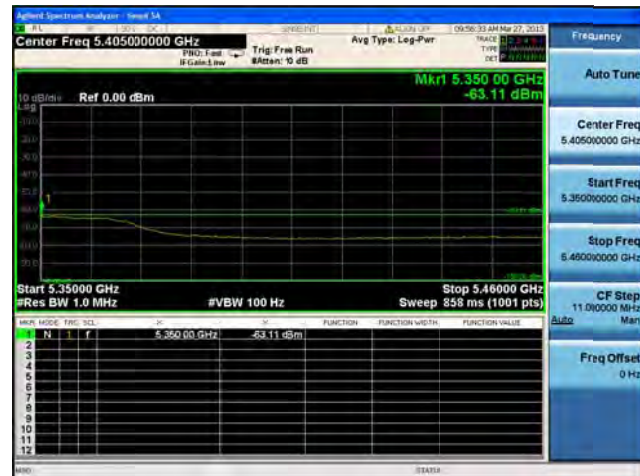
Marker	Freq (GHz)	Power (dBm)
1	5.350000000	-55.58
2	5.352750000	-55.60

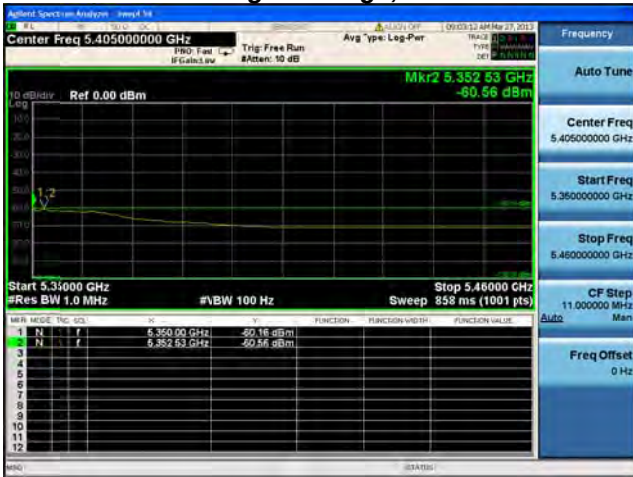
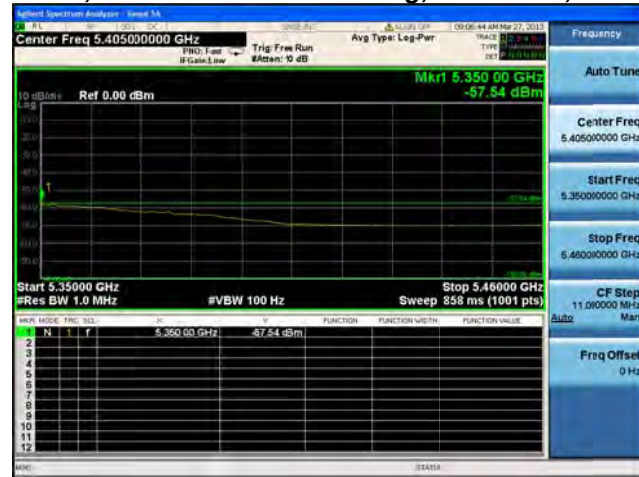
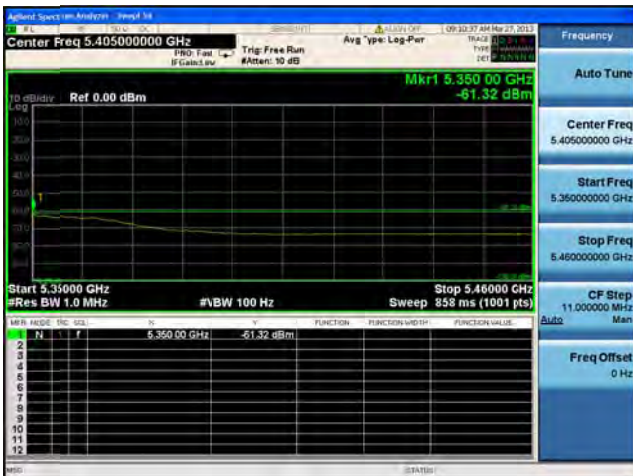
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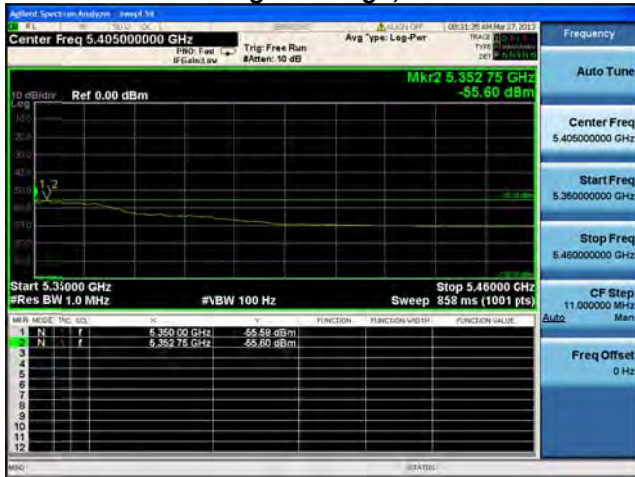
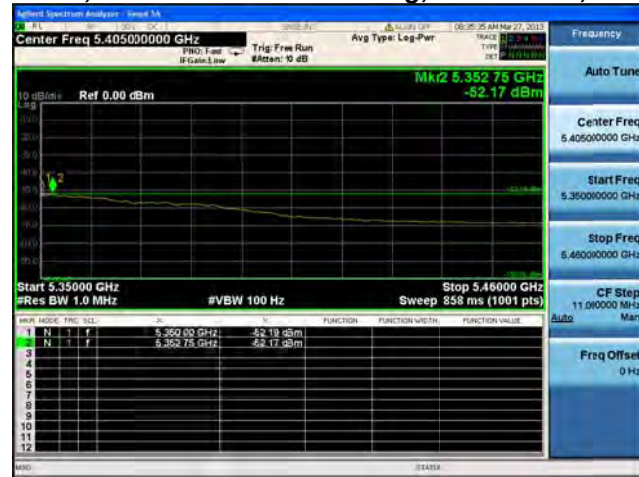
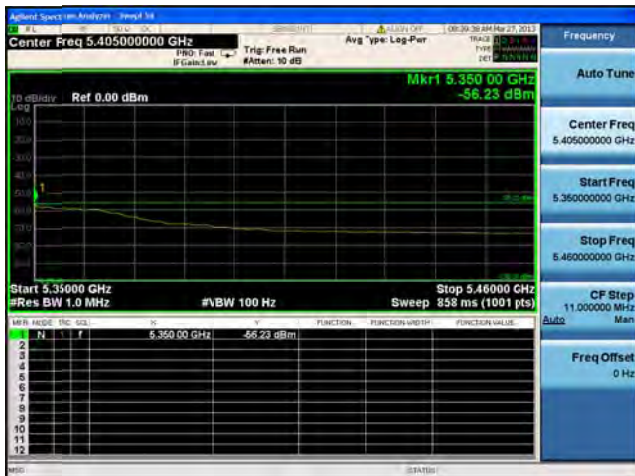
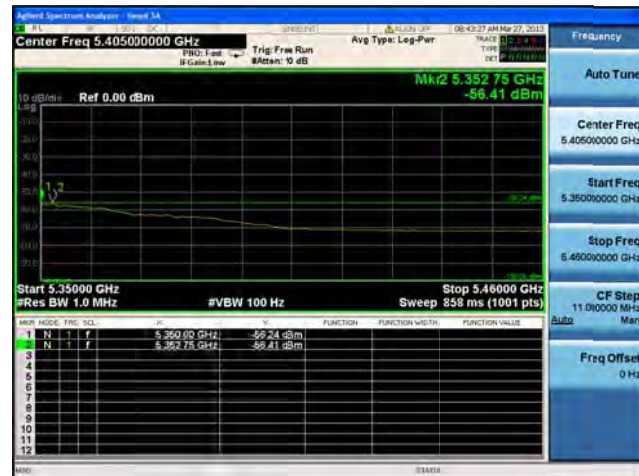
Rohde & Schwarz FSWP Spectrum Analyzer - Power [dBm]
 Center Freq 5.405000000 GHz Span 10 dB Avg Type Log-Pwr
 Mkr1 5.350 00 GHz -56.23 dBm
 Start 5.35000 GHz Res BW 1.0 MHz Sweep 898 ms (1001 pts) Stop 5.46000 GHz
 Table with 4 columns: Mkr Index, Freq [GHz], Power [dBm], Function.

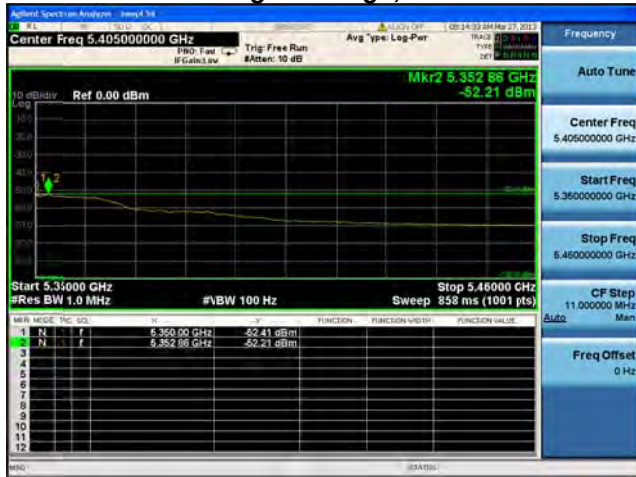
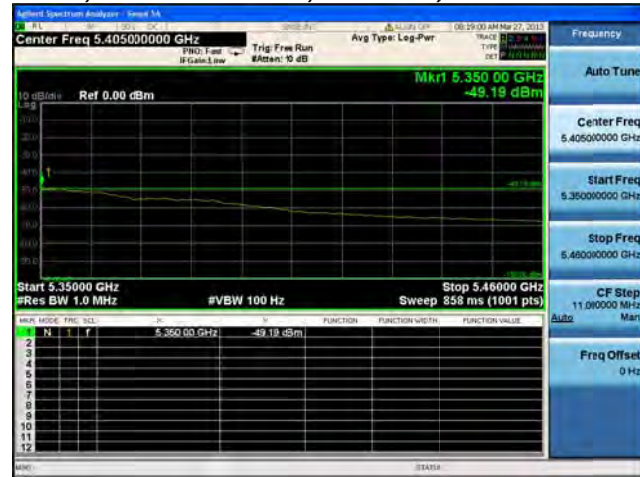
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Cisco Systems, Inc. Company Confidential

**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**

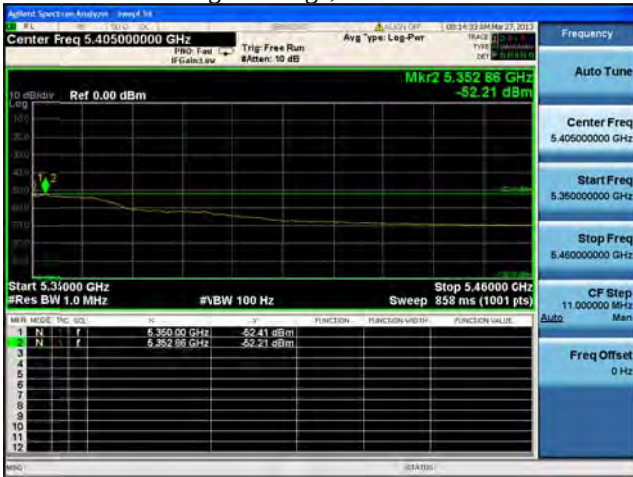
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

**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**

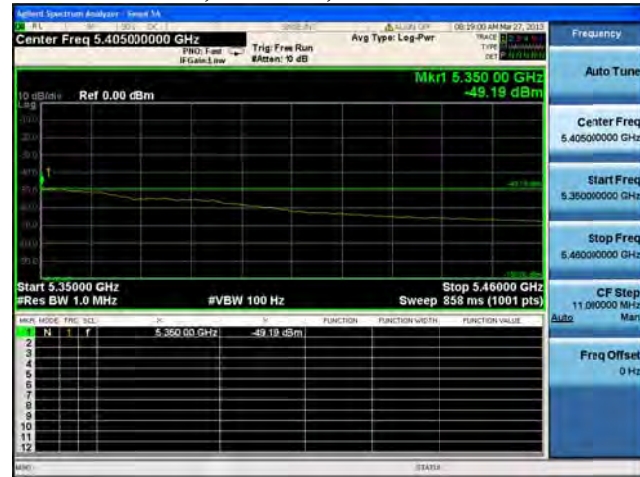
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B**



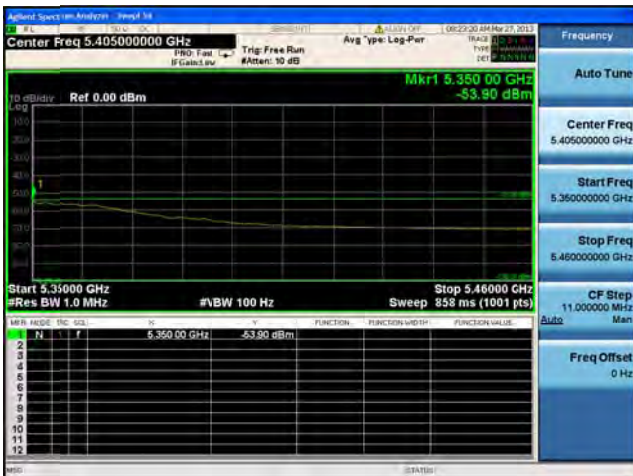
Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1



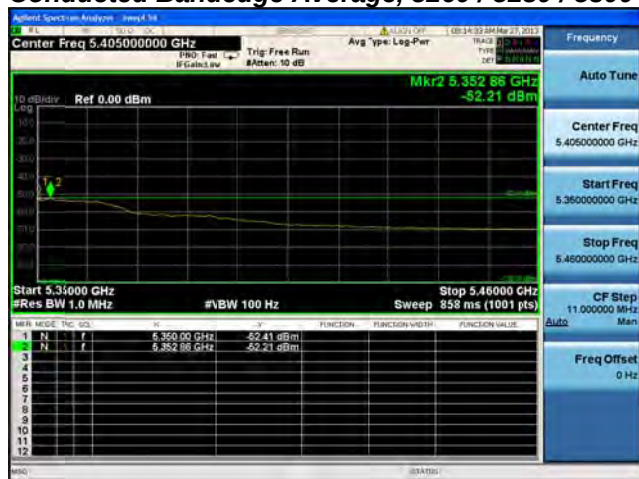
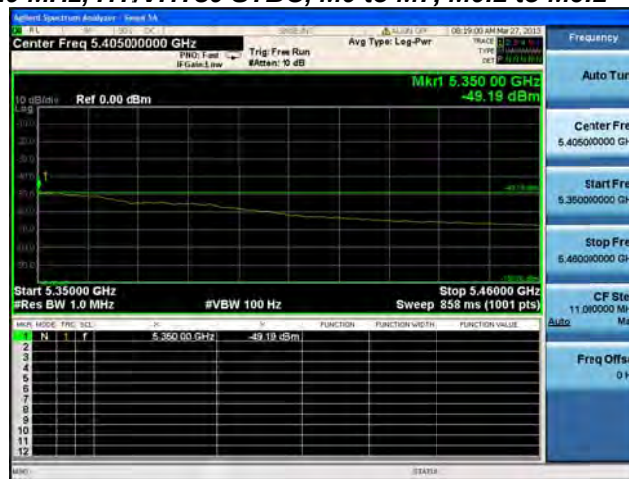
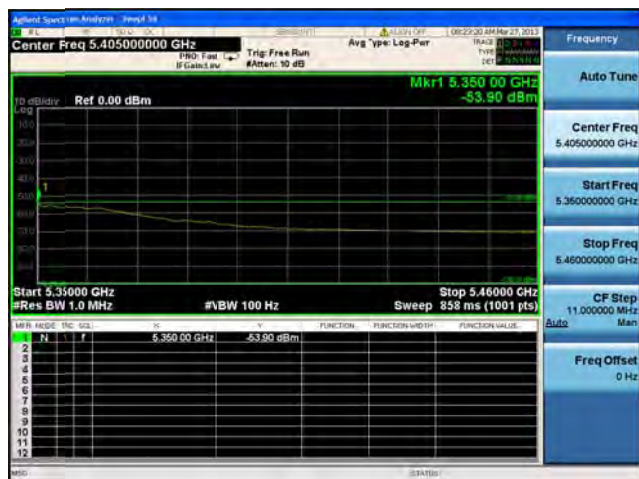
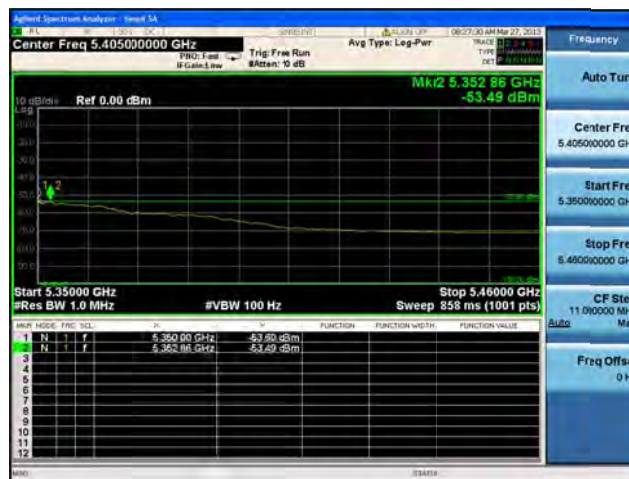
Antenna A

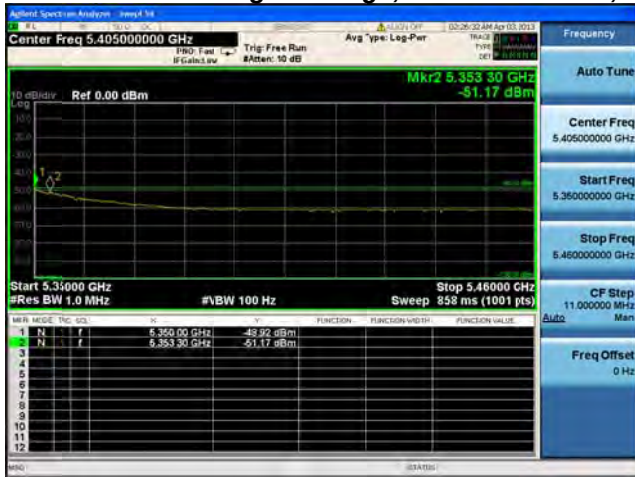


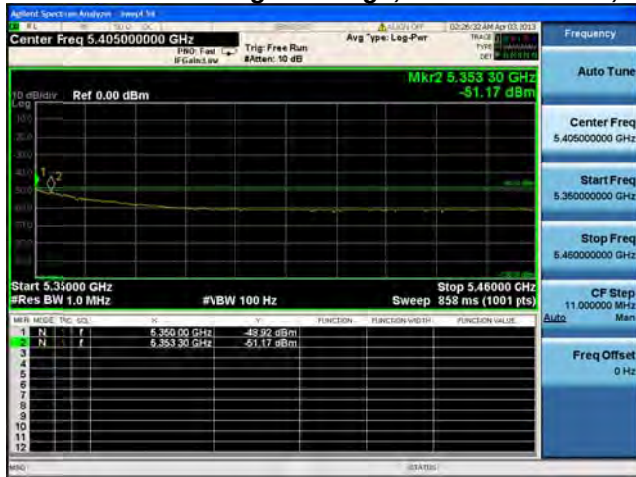
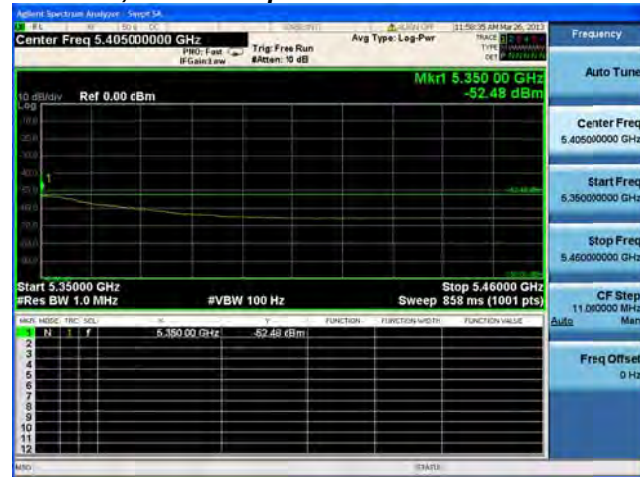
Antenna B

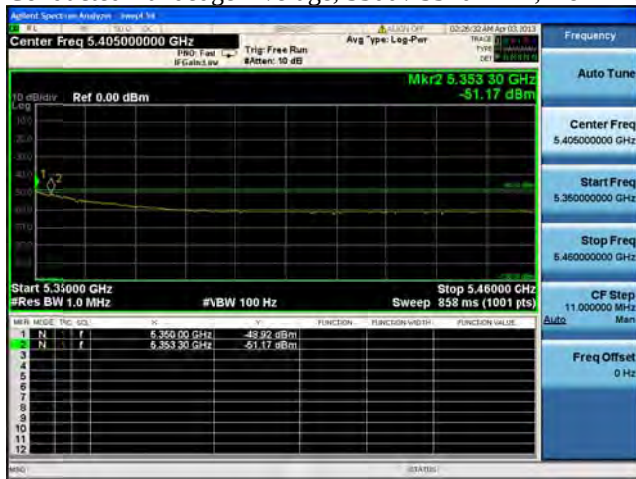
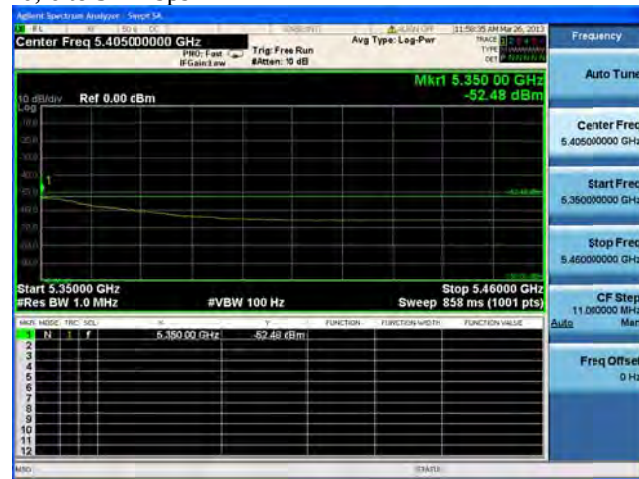
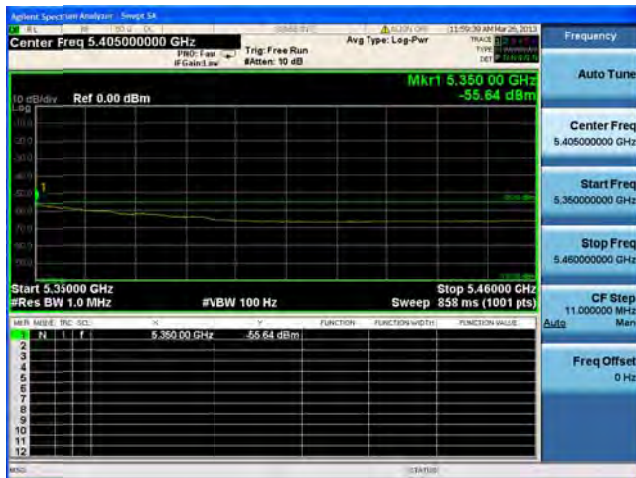


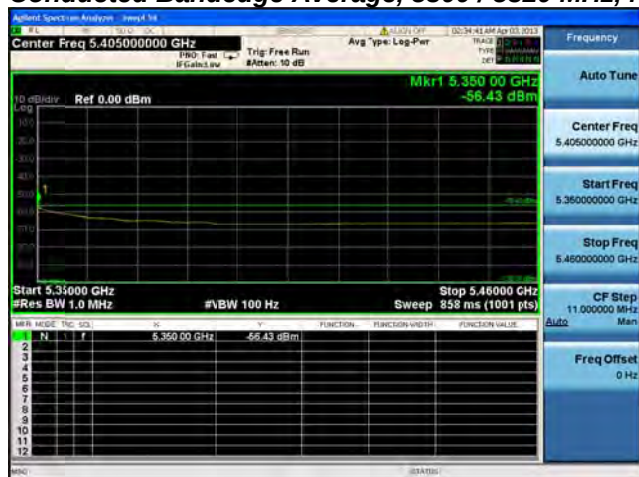
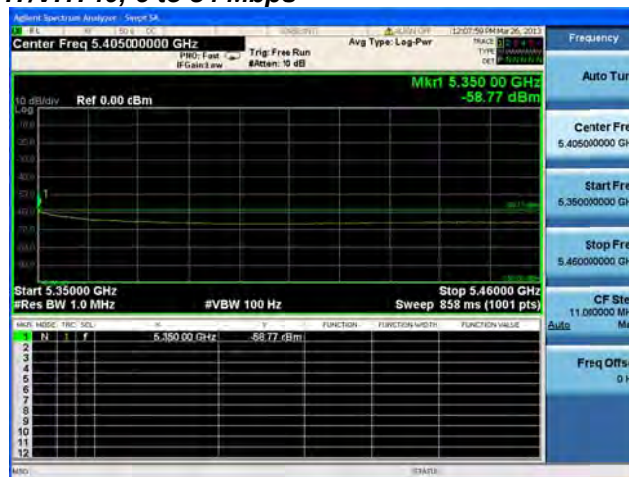
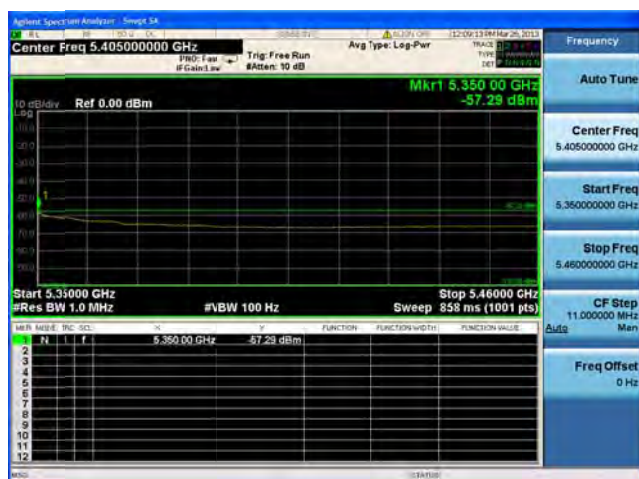
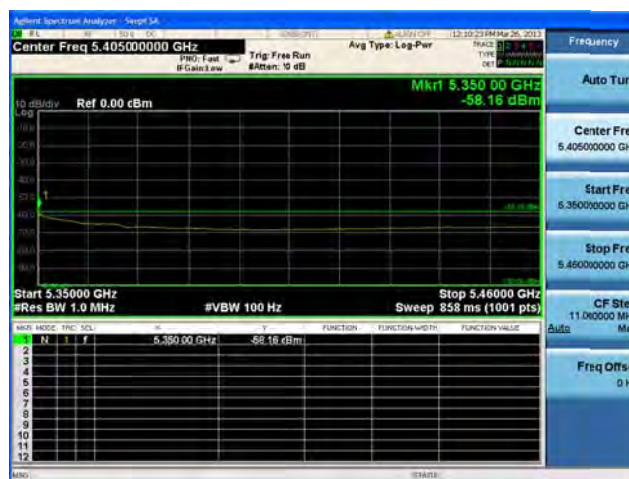
Antenna C

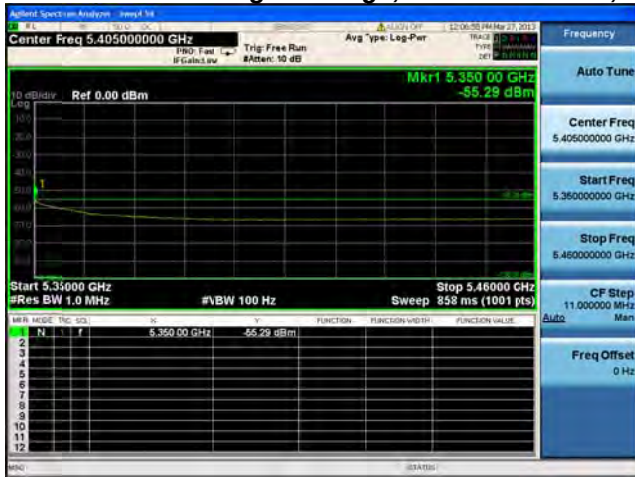
**Conducted Bandedge Average, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

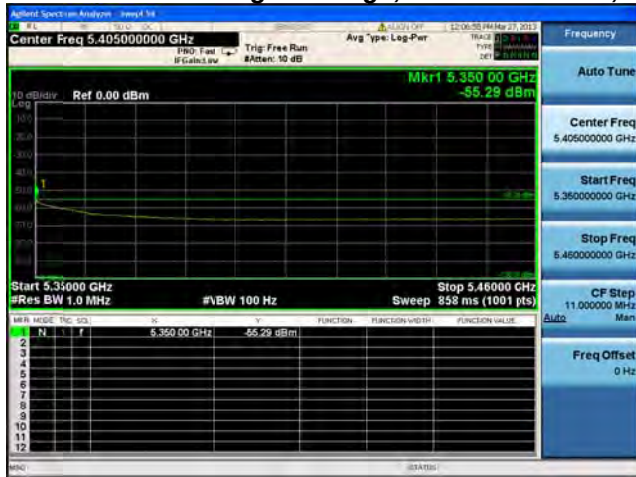
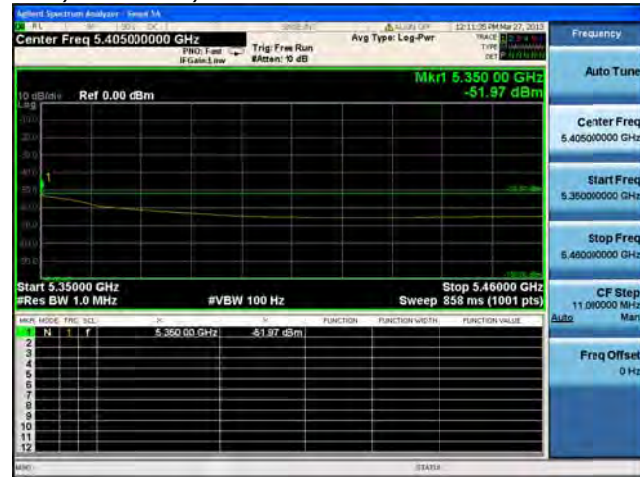
**Conducted Bandedge Average, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A**

**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**

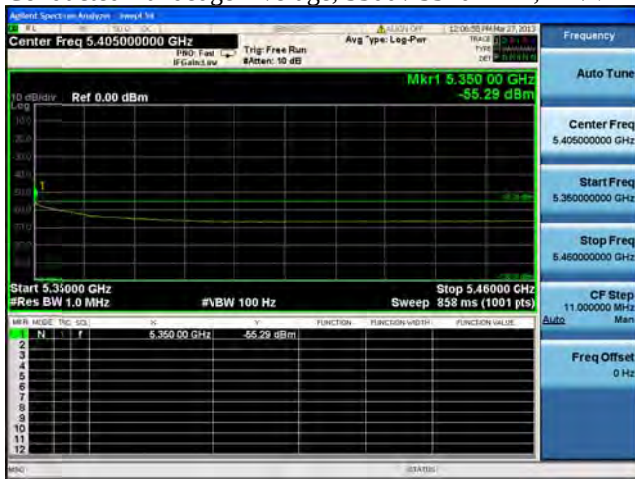
Conducted Bandedge Average, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A****Antenna B****Antenna C****Antenna D**

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

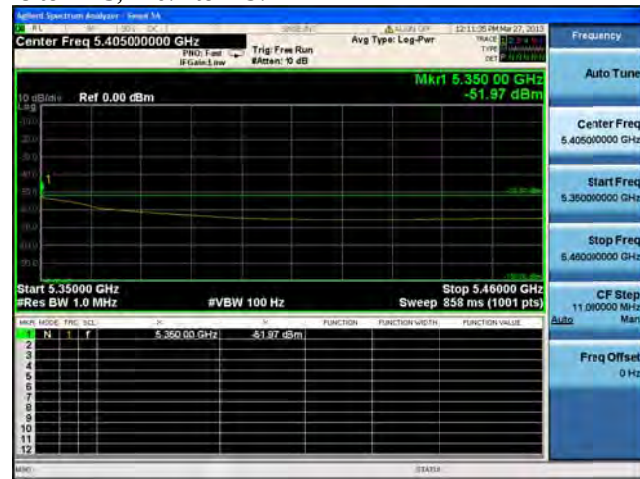
Conducted Bandedge Average, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



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



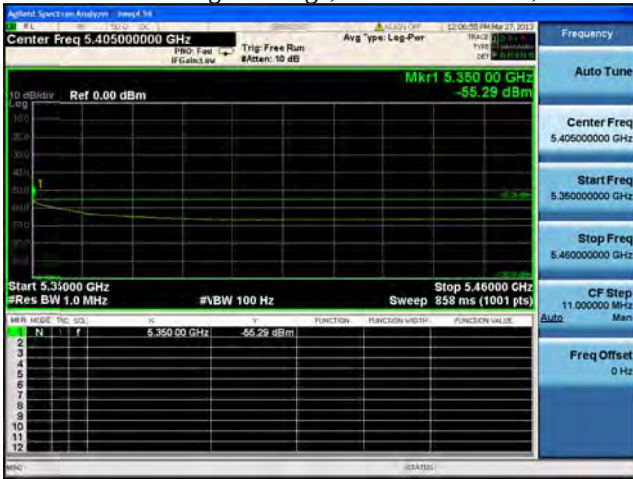
Antenna A



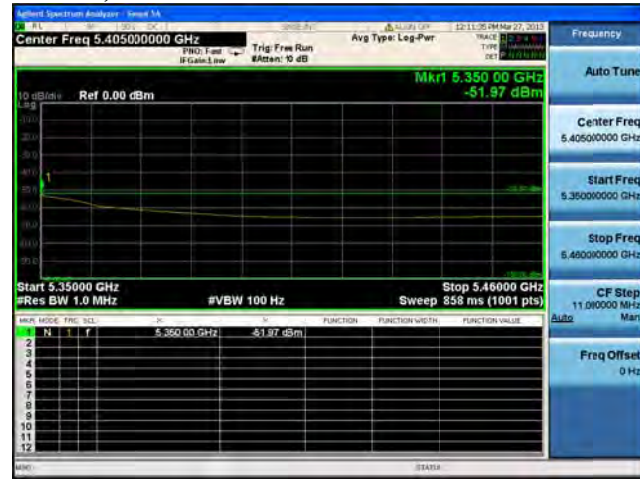
Antenna B



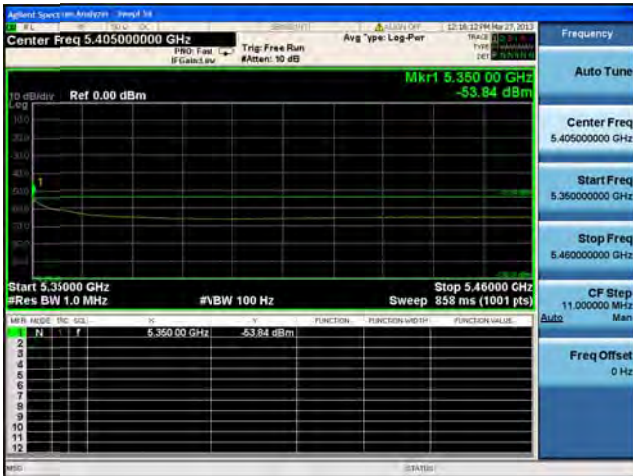
Conducted Bandedge Average, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1



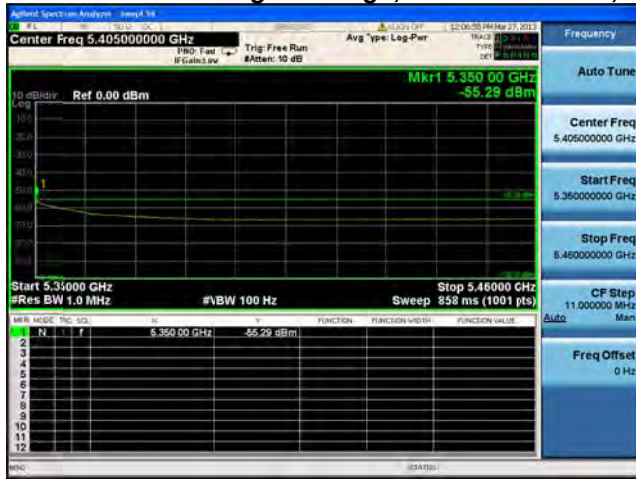
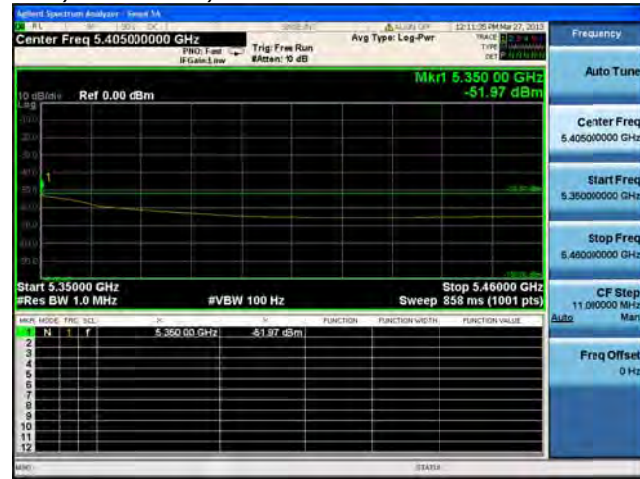
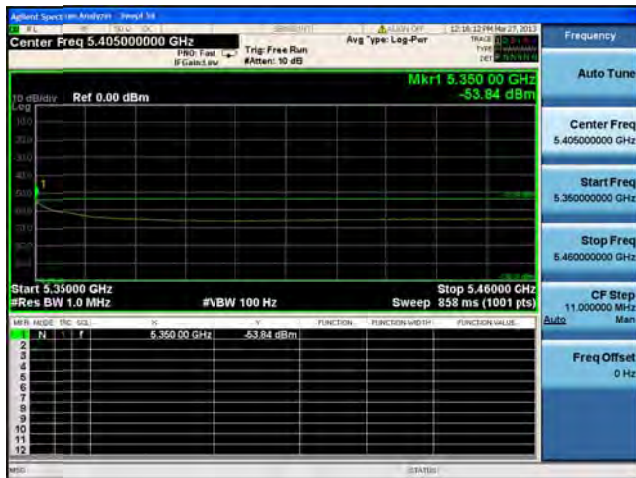
Antenna A



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**