



Test Report

AIR-CAP3702y-A-K9
AIR-SAP3702y-A-K9

Cisco Aironet 802.11ac Dual Band Access Points

FCC ID: LDK102087

IC: 2461B-102087

y = E (External Antenna) or I (Internal Antenna)

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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2.2 Date of testing

18-February-2013 – 08-March-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-SAP3702E-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 worst case data for all antennas.

Frequency	Part Number	Antenna Type	Antenna Gain (dBi)
2.4 / 5 GHz	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-ANT2535SDW-R	Dual-resonant "stubby" monopole	3 / 5
	Internal	Omni	4 / 4
	AIR-ANT2544V4M-R	Dual-resonant omni (4-pack)	4 / 4
	AIR-ANT2566P4W-R	Dual-resonant "directional" antenna (4-pack)	6 / 6



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-SAP3702E-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	18	16
HT-20, M0 to M23, M0.1 to M9.3	21	19
HT-20 STBC, M0 to M7, M0.1 to M9.1	21	19
HT-20 Beam Forming, M0 to M23, M0.1 to M9.3	21	19
	5260/5280	5300/5320
Non HT-40 Duplicate, 6 to 54 Mbps	21	20
HT-40, M0 to M23, M0.1 to M9.3	21	20
HT-40 STBC, M0 to M7, M0.1 to M9.1	21	20
HT-40 Beam Forming, M0 to M23, M0.1 to M9.3	21	20
	5260/5280/5300/5320	
Non HT-80 Duplicate, 6 to 54 Mbps	21	
HT-80, M0 to M23, M0.1 to M9.3	20	
HT-80 STBC, M0 to M7, M0.1 to M9.1	20	
HT-80 Beam Forming, M0 to M23, M0.1 to M9.3	20	



99% and 26dB Bandwidth

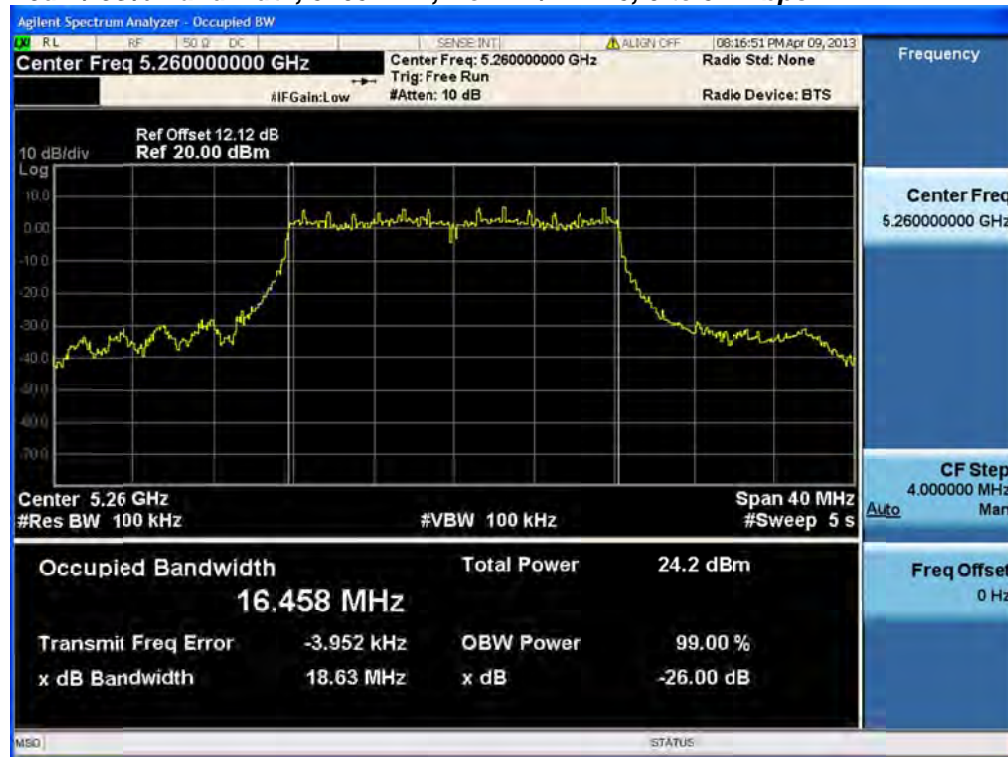
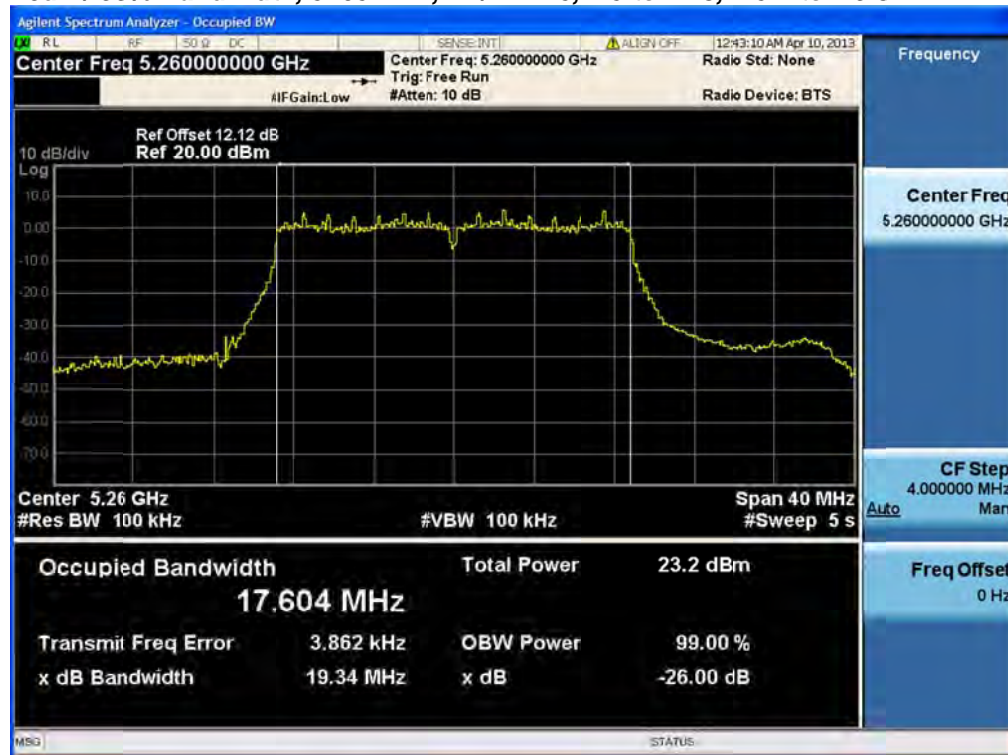
Connect the antenna port(s) to the spectrum analyzer input. Using the spectrum analyzer Channel Bandwidth mode, configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

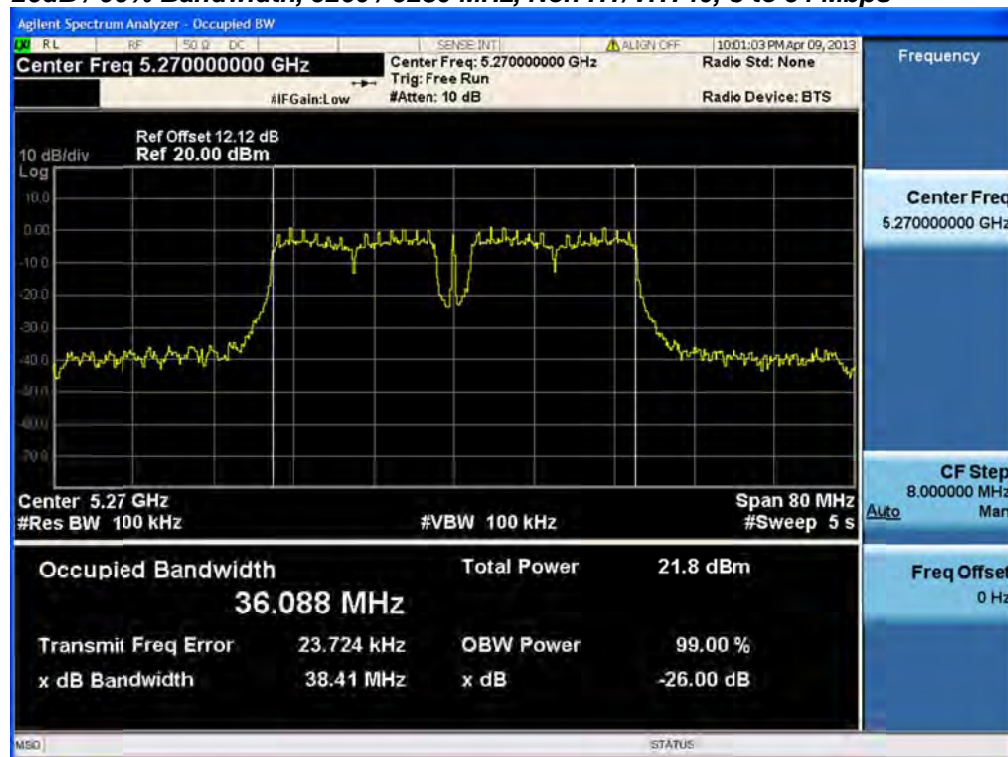
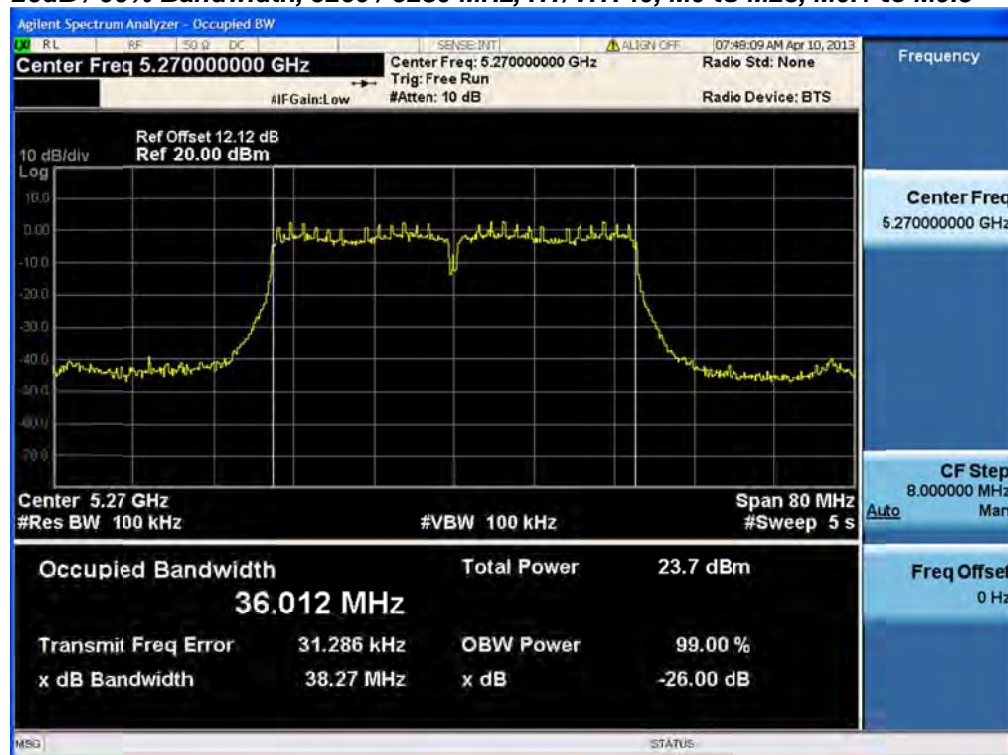
Center Frequency:	Frequency from table below
Span:	2 x Nominal Bandwidth (e.g. 40MHz for a 20MHz channel)
Reference Level:	20 dBm
Attenuation:	10 dB
Sweep Time:	5 s
Resolution Bandwidth:	1%-3% of 26 dB Bandwidth
Video Bandwidth:	≥Resolution Bandwidth
X dB Bandwidth:	26 dB
Detector:	Peak
Trace:	Single

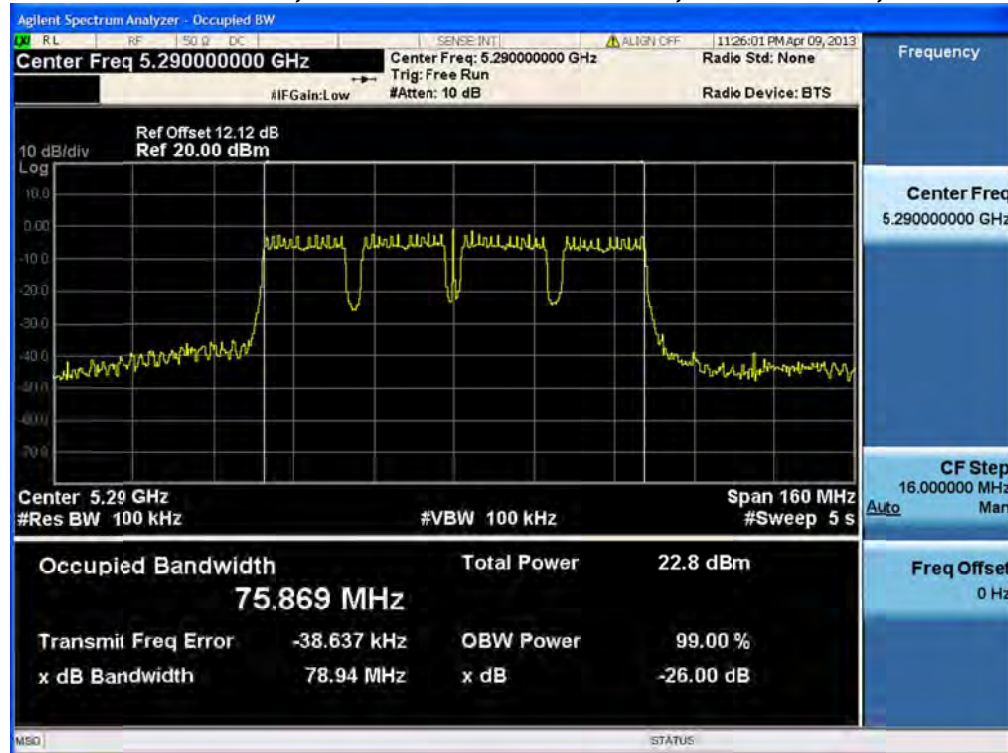
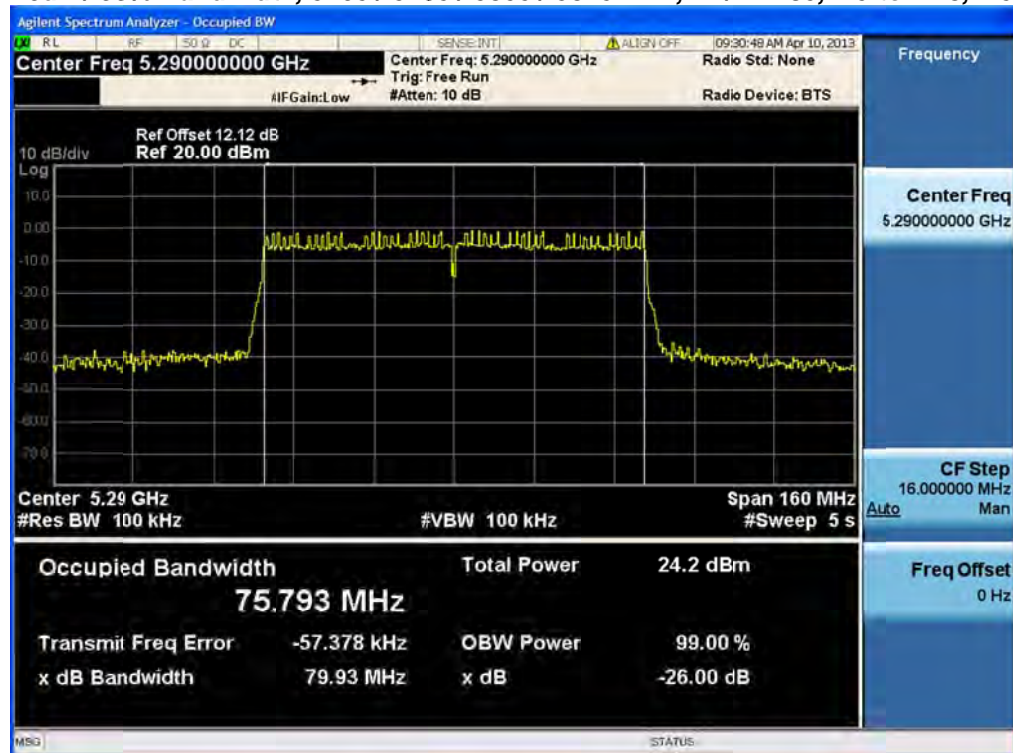
Place the radio in continuous transmit mode. View the transmitter waveform on the spectrum analyzer, and record the pertinent measurements:

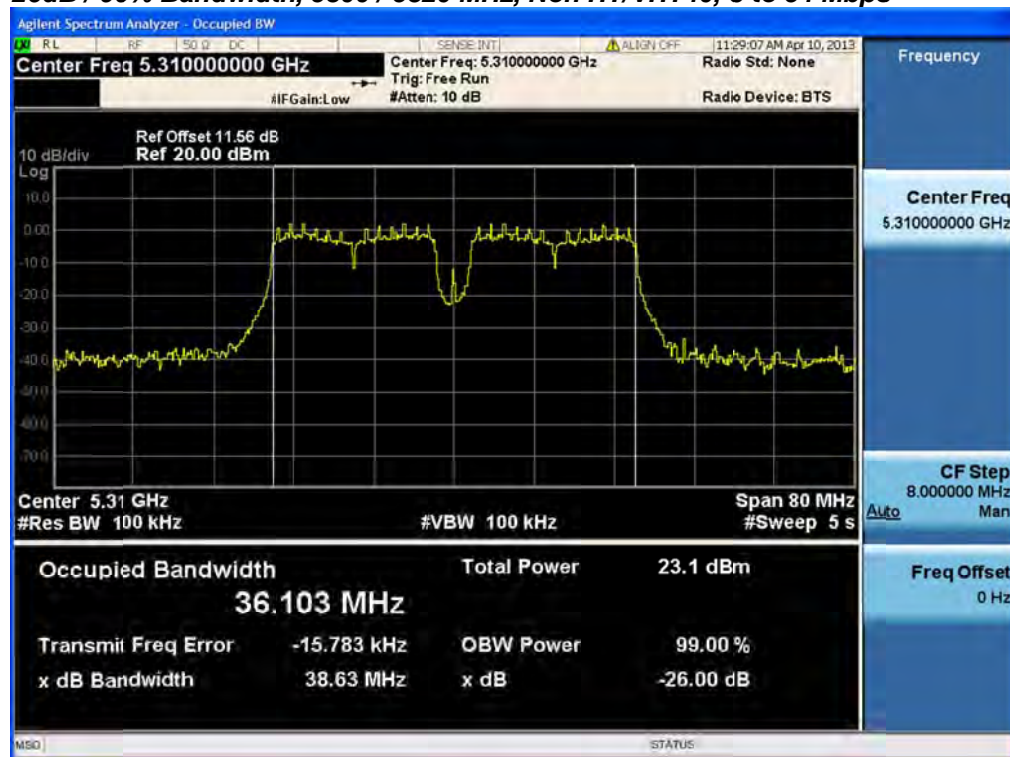
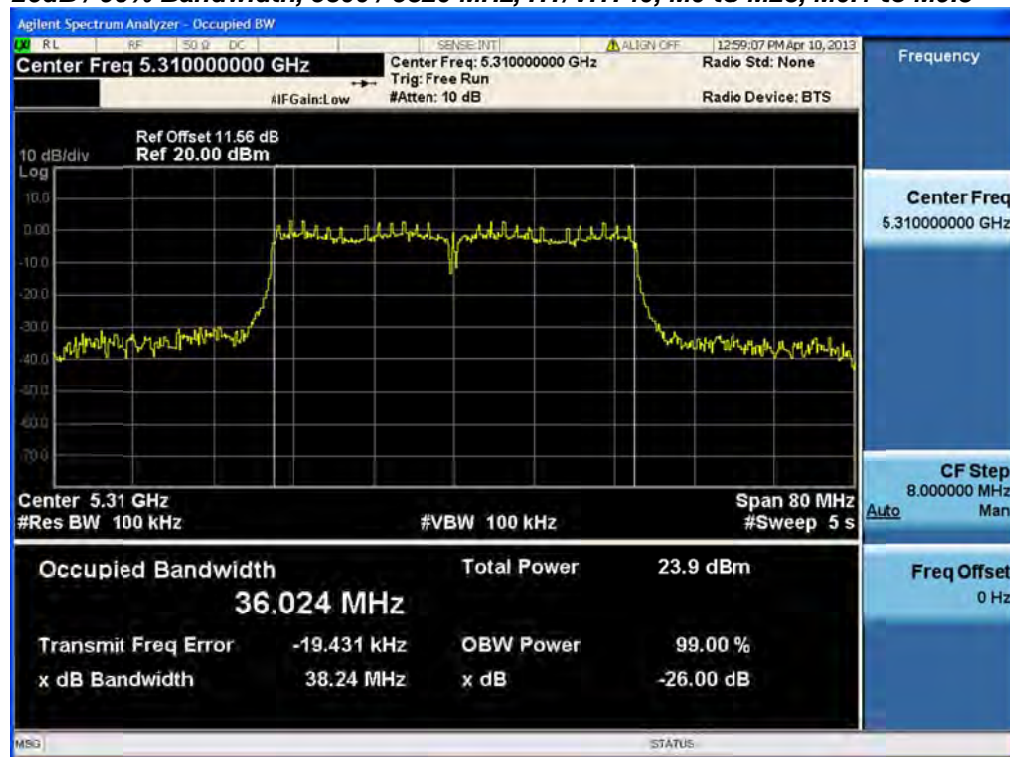


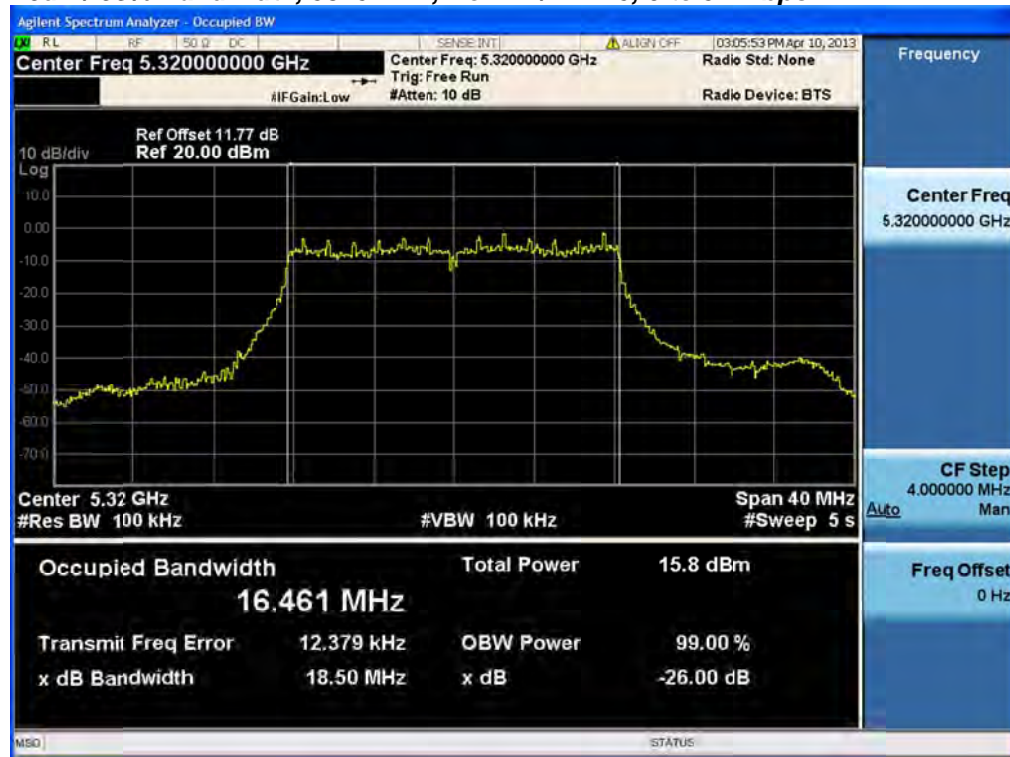
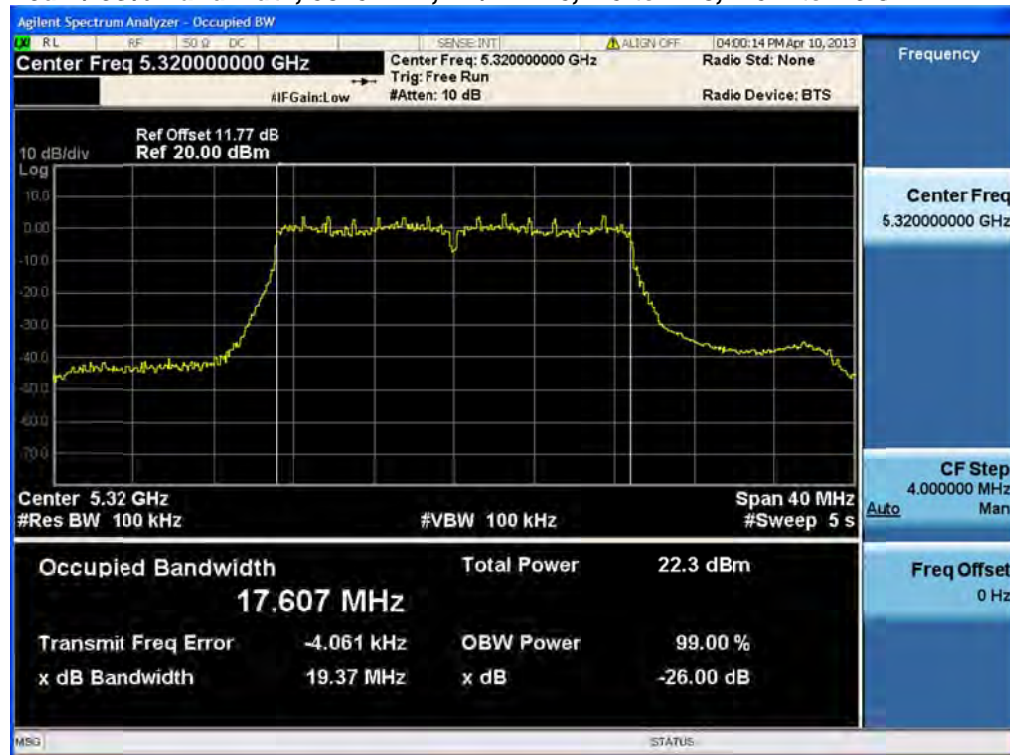
Frequency (MHz)	Mode	Data Rate (Mbps)	26dB BW (MHz)	99% BW (MHz)
5260	Non HT/VHT20, 6 to 54 Mbps	6	<u>18.6</u>	16.5
	HT/VHT20, M0 to M23, M0.1 to M9.3	m0	<u>19.4</u>	17.6
5260/5280	Non HT/VHT40, 6 to 54 Mbps	6	<u>38.4</u>	36.1
	HT/VHT40, M0 to M23, M0.1 to M9.3	m0	<u>38.3</u>	36
5260/5280 5300/5320	Non HT/VHT80, 6 to 54 Mbps	6	<u>78.9</u>	<u>75.8</u>
	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>38.6</u>	36.1
	HT/VHT40, M0 to M23, M0.1 to M9.3	m0	<u>38.2</u>	36
5320 5320	Non HT/VHT20, 6 to 54 Mbps	6	<u>18.5</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 band 5.25-5.35 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 $11\text{dBm} + 10 \cdot \log(18.6\text{MHz}) = 23.7\text{dBm}$

The maximum supported antenna gain is 6dBi. The peak correlated gain for each mode is listed in the table below.

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.

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.



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	6	<u>16.2</u>				16.2	23.72	7.5
	Non HT/VHT20, 6 to 54 Mbps	2	6	<u>16.2</u>	<u>17.5</u>			19.9	23.7	3.8
	Non HT/VHT20, 6 to 54 Mbps	3	6	<u>12.3</u>	<u>13.1</u>	<u>13.0</u>		17.6	23.72	6.1
	Non HT/VHT20, 6 to 54 Mbps	4	6	<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	9	<u>14.4</u>	<u>15.3</u>			17.9	20.7	2.8
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	11	<u>10.4</u>	<u>11.2</u>	<u>11.0</u>		15.7	18.92	3.3
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	12	<u>8.8</u>	<u>9.2</u>	<u>9.3</u>	<u>9.0</u>	15.1	17.7	2.6
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	6	<u>16.4</u>				16.4	23.88	7.5
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	6	<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	6	<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	6	<u>12.4</u>	<u>13.3</u>	<u>13.1</u>		17.7	23.88	6.2
	HT/VHT20, 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, M16 to M23, M0.3 to M9.3	3	6	<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	6	<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	6	<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	6	<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	9	<u>14.3</u>	<u>15.4</u>			17.9	20.86	3.0
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>10.6</u>	<u>11.3</u>	<u>11.1</u>		15.8	19.08	3.3
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>13.4</u>	<u>14.3</u>	<u>14.1</u>		18.7	22.08	3.4
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<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	12	<u>8.8</u>	<u>9.4</u>	<u>9.1</u>	<u>9.2</u>	15.2	17.88	2.7
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>11.4</u>	<u>12.3</u>	<u>12.1</u>	<u>11.8</u>	17.9	20.88	2.9
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>13.4</u>	<u>14.3</u>	<u>14.1</u>	<u>13.7</u>	19.9	22.68	2.8
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	6	<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	6	<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	6	<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	6	<u>17.0</u>				17.0	24	7.0
	Non HT/VHT40, 6 to 54 Mbps	2	6	<u>17.0</u>	<u>18.3</u>			20.7	24	3.3
	Non HT/VHT40, 6 to 54 Mbps	3	6	<u>15.9</u>	<u>17.2</u>	<u>16.8</u>		21.4	24	2.6
	Non HT/VHT40, 6 to 54 Mbps	4	6	<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	6	<u>16.4</u>				16.4	24	7.6
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	6	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	6	<u>16.4</u>	<u>17.8</u>			20.2	24	3.8
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	6	<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	6	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>		20.9	24	3.1
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	6	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>		20.9	24	3.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	6	<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	6	<u>14.4</u>	<u>15.5</u>	<u>15.3</u>	<u>14.9</u>	21.1	24	2.9
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	6	<u>14.4</u>	<u>15.5</u>	<u>15.3</u>	<u>14.9</u>	21.1	24	2.9
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>14.4</u>	<u>15.5</u>			18.0	21	3.0
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>10.6</u>	<u>11.2</u>	<u>11.0</u>		15.7	19.2	3.5
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>13.4</u>	<u>14.5</u>	<u>14.0</u>		18.8	22.2	3.4
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>		20.9	24	3.1
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>8.7</u>	<u>9.4</u>	<u>9.1</u>	<u>9.4</u>	15.2	18	2.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>11.6</u>	<u>12.4</u>	<u>12.0</u>	<u>11.9</u>	18.0	21	3.0
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>13.4</u>	<u>14.5</u>	<u>14.0</u>	<u>13.9</u>	20.0	22.8	2.8
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	6	<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	6	<u>15.3</u>	<u>16.6</u>	<u>16.5</u>		20.9	24	3.1
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>14.4</u>	<u>15.5</u>	<u>15.3</u>	<u>14.9</u>	21.1	24	2.9
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	6	<u>16.6</u>				16.6	24	7.4
	Non HT/VHT80, 6 to 54 Mbps	2	6	<u>16.6</u>	<u>17.8</u>			20.3	24	3.7
	Non HT/VHT80, 6 to 54 Mbps	3	6	<u>14.5</u>	<u>15.3</u>	<u>14.9</u>		19.7	24	4.3
	Non HT/VHT80, 6 to 54 Mbps	4	6	<u>14.5</u>	<u>15.3</u>	<u>14.9</u>	<u>14.9</u>	20.9	24	3.1
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	6	<u>16.2</u>				16.2	24	7.8
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	6	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	6	<u>16.2</u>	<u>17.2</u>			19.7	24	4.3
	HT/VHT80, M0 to M7, M0.1 to M9.1	3	6	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>		20.4	24	3.6
	HT/VHT80, 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, M16 to M23, M0.3 to M9.3	3	6	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>		20.4	24	3.6
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	6	<u>14.1</u>	<u>14.8</u>	<u>14.4</u>	<u>14.4</u>	20.5	24	3.5
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	6	<u>14.1</u>	<u>14.8</u>	<u>14.4</u>	<u>14.4</u>	20.5	24	3.5
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	6	<u>14.1</u>	<u>14.8</u>	<u>14.4</u>	<u>14.4</u>	20.5	24	3.5
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>14.1</u>	<u>14.8</u>			17.5	21	3.5
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>10.2</u>	<u>10.5</u>	<u>10.1</u>		15.0	19.2	4.2



	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>13.1</u>	<u>13.5</u>	<u>13.2</u>		18.0	22.2	4.2
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>		20.4	24	3.6
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>8.5</u>	<u>8.6</u>	<u>8.3</u>	<u>8.6</u>	14.5	18	3.5
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>11.1</u>	<u>11.7</u>	<u>11.1</u>	<u>11.5</u>	17.4	21	3.6
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>13.1</u>	<u>13.5</u>	<u>13.2</u>	<u>13.4</u>	19.3	22.8	3.5
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	6	<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	6	<u>15.1</u>	<u>16.1</u>	<u>15.5</u>		20.4	24	3.6
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>14.1</u>	<u>14.8</u>	<u>14.4</u>	<u>14.4</u>	20.5	24	3.5
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	6	<u>16.0</u>				16.0	24	8.0
	Non HT/VHT40, 6 to 54 Mbps	2	6	<u>16.0</u>	<u>17.1</u>			19.6	24	4.4
	Non HT/VHT40, 6 to 54 Mbps	3	6	<u>14.9</u>	<u>15.8</u>	<u>15.3</u>		20.1	24	3.9
	Non HT/VHT40, 6 to 54 Mbps	4	6	<u>12.8</u>	<u>13.4</u>	<u>12.8</u>	<u>13.1</u>	19.1	24	4.9
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	6	<u>15.5</u>				15.5	24	8.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	6	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	6	<u>15.5</u>	<u>16.5</u>			19.0	24	5.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	3	6	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>		19.5	24	4.5
	HT/VHT40, M8 to M15, M0.2 to M9.2	3	6	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>		19.5	24	4.5
	HT/VHT40, M16 to M23, M0.3 to M9.3	3	6	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>		19.5	24	4.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	6	<u>12.5</u>	<u>12.9</u>	<u>12.2</u>	<u>12.6</u>	18.6	24	5.4
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	6	<u>13.5</u>	<u>14.1</u>	<u>13.5</u>	<u>13.8</u>	19.8	24	4.2
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	6	<u>13.5</u>	<u>14.1</u>	<u>13.5</u>	<u>13.8</u>	19.8	24	4.2
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>13.5</u>	<u>14.1</u>			16.8	21	4.2
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>9.7</u>	<u>9.8</u>	<u>9.1</u>		14.3	19.2	4.9
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>12.5</u>	<u>12.9</u>	<u>12.2</u>		17.3	22.2	4.9
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>		19.5	24	4.5
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>7.9</u>	<u>8.0</u>	<u>7.4</u>	<u>8.1</u>	13.9	18	4.1
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>10.6</u>	<u>10.8</u>	<u>10.5</u>	<u>10.7</u>	16.7	21	4.3
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>12.5</u>	<u>12.9</u>	<u>12.2</u>	<u>12.6</u>	18.6	22.8	4.2
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	6	<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	6	<u>14.5</u>	<u>15.2</u>	<u>14.5</u>		19.5	24	4.5
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>13.5</u>	<u>14.1</u>	<u>13.5</u>	<u>13.8</u>	19.8	24	4.2



5320	Non HT/VHT20, 6 to 54 Mbps	1	6	<u>15.3</u>				15.3	23.72	8.4
	Non HT/VHT20, 6 to 54 Mbps	2	6	<u>15.3</u>	<u>15.9</u>			18.6	23.72	5.1
	Non HT/VHT20, 6 to 54 Mbps	3	6	<u>11.3</u>	<u>11.6</u>	<u>11.1</u>		16.1	23.7	7.6
	Non HT/VHT20, 6 to 54 Mbps	4	6	<u>9.8</u>	<u>9.6</u>	<u>9.1</u>	<u>9.8</u>	15.6	23.7	8.1
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	9	<u>13.3</u>	<u>13.6</u>			16.5	20.7	4.2
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	11	<u>9.8</u>	<u>9.6</u>	<u>9.1</u>		14.3	18.87	4.6
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	12	<u>7.8</u>	<u>7.6</u>	<u>6.9</u>	<u>8.0</u>	13.6	17.7	4.1
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	6	<u>15.1</u>				15.1	23.88	8.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	6	<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	6	<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	6	<u>11.3</u>	<u>11.5</u>	<u>10.7</u>		16.0	23.88	7.9
	HT/VHT20, 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, M16 to M23, M0.3 to M9.3	3	6	<u>14.1</u>	<u>14.8</u>	<u>14.0</u>		19.1	23.88	4.8
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	6	<u>9.4</u>	<u>9.5</u>	<u>8.7</u>	<u>9.5</u>	15.3	23.88	8.6
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	6	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>	<u>12.5</u>	18.3	23.88	5.5
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	6	<u>13.2</u>	<u>13.6</u>	<u>12.9</u>	<u>13.4</u>	19.3	23.88	4.6
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>13.2</u>	<u>13.6</u>			16.4	20.88	4.5
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>9.4</u>	<u>9.5</u>	<u>8.7</u>		14.0	19.06	5.1
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>		17.0	22.08	5.1
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>14.1</u>	<u>14.8</u>	<u>14.0</u>		19.1	23.88	4.8
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>7.7</u>	<u>7.5</u>	<u>6.9</u>	<u>7.7</u>	13.5	17.86	4.4
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>10.3</u>	<u>10.5</u>	<u>9.7</u>	<u>10.5</u>	16.3	20.88	4.6
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>	<u>12.5</u>	18.3	22.68	4.3
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	6	<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	6	<u>14.1</u>	<u>14.8</u>	<u>14.0</u>		19.1	23.88	4.8
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>12.3</u>	<u>12.6</u>	<u>11.8</u>	<u>12.5</u>	18.3	23.88	5.5



Power Spectral Density

15.407: For the band 5.25-5.35 GHz, the peak power spectral density shall not exceed 11 dBm in any 1-MHz band. If transmitting 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 6dBi. The peak correlated gain for each mode is listed in the table below.

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, perform a Marker Peak Search function, and record this value as the Power Spectral Density.

The "measure-and-sum technique" is used for measuring the power spectral density 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 units.



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	6	<u>5.8</u>				5.8	11.0	5.2
	Non HT/VHT20, 6 to 54 Mbps	2	6	<u>5.8</u>	<u>7.4</u>			9.7	11.0	1.3
	Non HT/VHT20, 6 to 54 Mbps	3	6	<u>2.3</u>	<u>2.8</u>	<u>2.9</u>		7.4	11.0	3.6
	Non HT/VHT20, 6 to 54 Mbps	4	6	<u>0.2</u>	<u>0.8</u>	<u>1.1</u>	<u>0.9</u>	6.8	11.0	4.2
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	9	<u>4.2</u>	<u>4.9</u>			7.6	8.0	0.4
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	11	<u>0.2</u>	<u>0.8</u>	<u>1.1</u>		5.5	6.2	0.7
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	12	<u>-1.6</u>	<u>-1.4</u>	<u>-1.1</u>	<u>-1.2</u>	4.7	5.0	0.3
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	6	<u>5.8</u>				5.8	11.0	5.2
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	6	<u>5.8</u>	<u>7.0</u>			9.5	11.0	1.5
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	6	<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	6	<u>2.0</u>	<u>2.8</u>	<u>2.6</u>		7.3	11.0	3.7
	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	6	<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	6	<u>0.1</u>	<u>0.8</u>	<u>0.4</u>	<u>0.1</u>	6.4	11.0	4.6
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	6	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>	<u>3.0</u>	9.4	11.0	1.6
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	6	<u>3.6</u>	<u>4.6</u>	<u>4.8</u>	<u>4.0</u>	10.3	11.0	0.7
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>3.6</u>	<u>4.6</u>			7.1	8.0	0.9
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>0.1</u>	<u>0.8</u>	<u>0.4</u>		5.2	6.2	1.0
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>		8.2	9.2	1.0
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<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	12	<u>-2.0</u>	<u>-1.1</u>	<u>-1.3</u>	<u>-1.5</u>	4.6	5.0	0.4
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>1.0</u>	<u>1.9</u>	<u>1.3</u>	<u>1.3</u>	7.4	8.0	0.6
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>	<u>3.0</u>	9.4	9.8	0.4
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	6	<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	6	<u>2.8</u>	<u>3.7</u>	<u>3.8</u>	<u>3.0</u>	9.4	11.0	1.6



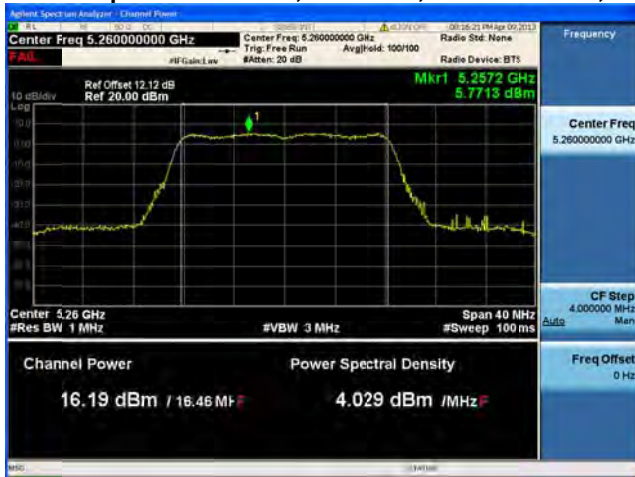
5260/5280	Non HT/VHT40, 6 to 54 Mbps	1	6	<u>3.6</u>				3.6	11.0	7.4
	Non HT/VHT40, 6 to 54 Mbps	2	6	<u>3.6</u>	<u>5.0</u>			7.4	11.0	3.6
	Non HT/VHT40, 6 to 54 Mbps	3	6	<u>3.2</u>	<u>4.1</u>	<u>3.4</u>		8.4	11.0	2.6
	Non HT/VHT40, 6 to 54 Mbps	4	6	<u>0.3</u>	<u>1.2</u>	<u>1.0</u>	<u>0.6</u>	6.8	11.0	4.2
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	6	<u>2.9</u>				2.9	11.0	8.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	6	<u>2.9</u>	<u>4.3</u>			6.7	11.0	4.3
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	6	<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	6	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>		7.5	11.0	3.5
	HT/VHT40, 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, M16 to M23, M0.3 to M9.3	3	6	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>		7.5	11.0	3.5
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	6	<u>-0.3</u>	<u>0.7</u>	<u>0.4</u>	<u>0.4</u>	6.3	11.0	4.7
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	6	<u>0.7</u>	<u>2.2</u>	<u>1.5</u>	<u>1.3</u>	7.5	11.0	3.5
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	6	<u>0.7</u>	<u>2.2</u>	<u>1.5</u>	<u>1.3</u>	7.5	11.0	3.5
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>0.7</u>	<u>2.2</u>			4.5	8.0	3.5
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>-2.9</u>	<u>-2.7</u>	<u>-2.8</u>		2.0	6.2	4.2
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>-0.3</u>	<u>0.7</u>	<u>0.4</u>		5.1	9.2	4.1
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>2.1</u>	<u>3.0</u>	<u>3.0</u>		7.5	11.0	3.5
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>-4.9</u>	<u>-4.4</u>	<u>-4.7</u>	<u>-4.0</u>	1.5	5.0	3.5
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>-2.0</u>	<u>-1.1</u>	<u>-1.5</u>	<u>-1.6</u>	4.5	8.0	3.5
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>-0.3</u>	<u>0.7</u>	<u>0.4</u>	<u>0.4</u>	6.3	9.8	3.5
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	6	<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>2.1</u>	<u>3.0</u>	<u>3.0</u>		7.5	11.0	3.5
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>0.7</u>	<u>2.2</u>	<u>1.5</u>	<u>1.3</u>	7.5	11.0	3.5
5260/5280/5300/5320	Non HT/VHT80, 6 to 54 Mbps	1	6	<u>0.2</u>				0.2	11.0	10.8
	Non HT/VHT80, 6 to 54 Mbps	2	6	<u>0.2</u>	<u>0.9</u>			3.6	11.0	7.4
	Non HT/VHT80, 6 to 54 Mbps	3	6	<u>-2.2</u>	<u>-1.4</u>	<u>-1.3</u>		3.2	11.0	7.8
	Non HT/VHT80, 6 to 54 Mbps	4	6	<u>-2.2</u>	<u>-1.4</u>	<u>-1.3</u>	<u>-1.6</u>	4.4	11.0	6.6
	HT/VHT80, M0 to M7, M0.1 to M9.1	1	6	<u>-0.9</u>				-0.9	11.0	11.9
	HT/VHT80, M0 to M7, M0.1 to M9.1	2	6	<u>-0.9</u>	<u>0.0</u>			2.6	11.0	8.4
	HT/VHT80, M8 to M15, M0.2 to M9.2	2	6	<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	6	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>		3.4	11.0	7.6
	HT/VHT80, 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, M16 to M23, M0.3 to M9.3	3	6	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>		3.4	11.0	7.6
	HT/VHT80, M0 to M7, M0.1 to M9.1	4	6	<u>-3.1</u>	<u>-2.0</u>	<u>-2.5</u>	<u>-2.9</u>	3.4	11.0	7.6
	HT/VHT80, M8 to M15, M0.2 to M9.2	4	6	<u>-3.1</u>	<u>-2.0</u>	<u>-2.5</u>	<u>-2.9</u>	3.4	11.0	7.6
	HT/VHT80, M16 to M23, M0.3 to M9.3	4	6	<u>-3.1</u>	<u>-2.0</u>	<u>-2.5</u>	<u>-2.9</u>	3.4	11.0	7.6
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>-3.1</u>	<u>-2.0</u>			0.5	8.0	7.5
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>-6.9</u>	<u>-6.7</u>	<u>-7.1</u>		-2.1	6.2	8.3

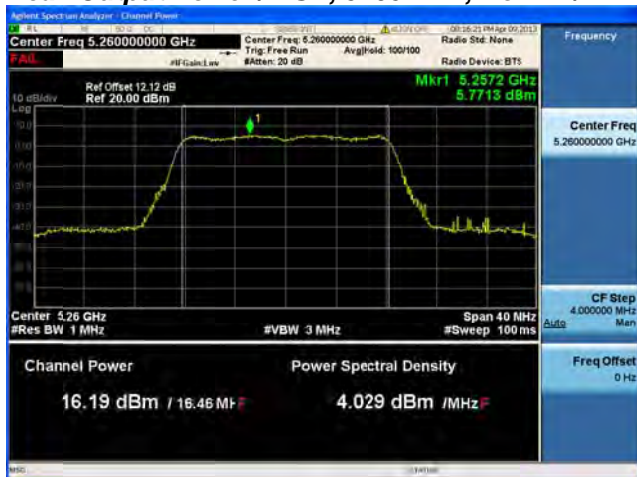


	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>-4.0</u>	<u>-3.4</u>	<u>-3.6</u>		1.1	9.2	8.1
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>		3.4	11.0	7.6
	HT/VHT80 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>-8.2</u>	<u>-8.2</u>	<u>-8.5</u>	<u>-8.6</u>	-2.4	5.0	7.4
	HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>-5.9</u>	<u>-5.4</u>	<u>-5.8</u>	<u>-5.5</u>	0.4	8.0	7.6
	HT/VHT80 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>-4.0</u>	<u>-3.4</u>	<u>-3.6</u>	<u>-3.7</u>	2.4	9.8	7.4
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	2	6	<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>-1.9</u>	<u>-0.9</u>	<u>-1.5</u>		3.4	11.0	7.6
	HT/VHT80 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>-3.1</u>	<u>-2.0</u>	<u>-2.5</u>	<u>-2.9</u>	3.4	11.0	7.6
5300/5320	Non HT/VHT40, 6 to 54 Mbps	1	6	<u>2.7</u>				2.7	11.0	8.3
	Non HT/VHT40, 6 to 54 Mbps	2	6	<u>2.7</u>	<u>3.7</u>			6.2	11.0	4.8
	Non HT/VHT40, 6 to 54 Mbps	3	6	<u>1.9</u>	<u>2.4</u>	<u>2.5</u>		7.0	11.0	4.0
	Non HT/VHT40, 6 to 54 Mbps	4	6	<u>-0.5</u>	<u>0.0</u>	<u>0.1</u>	<u>-0.2</u>	5.9	11.0	5.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	1	6	<u>1.9</u>				1.9	11.0	9.1
	HT/VHT40, M0 to M7, M0.1 to M9.1	2	6	<u>1.9</u>	<u>3.0</u>			5.5	11.0	5.5
	HT/VHT40, M8 to M15, M0.2 to M9.2	2	6	<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	6	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>		6.0	11.0	5.0
	HT/VHT40, 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, M16 to M23, M0.3 to M9.3	3	6	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>		6.0	11.0	5.0
	HT/VHT40, M0 to M7, M0.1 to M9.1	4	6	<u>-1.0</u>	<u>-0.8</u>	<u>-0.9</u>	<u>-1.0</u>	5.1	11.0	5.9
	HT/VHT40, M8 to M15, M0.2 to M9.2	4	6	<u>-0.1</u>	<u>0.5</u>	<u>0.1</u>	<u>0.2</u>	6.2	11.0	4.8
	HT/VHT40, M16 to M23, M0.3 to M9.3	4	6	<u>-0.1</u>	<u>0.5</u>	<u>0.1</u>	<u>0.2</u>	6.2	11.0	4.8
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>-0.1</u>	<u>0.5</u>			3.2	8.0	4.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>-4.2</u>	<u>-4.0</u>	<u>-4.2</u>		0.6	6.2	5.6
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>-1.0</u>	<u>-0.8</u>	<u>-0.9</u>		3.9	9.2	5.3
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>0.8</u>	<u>1.5</u>	<u>1.4</u>		6.0	11.0	5.0
	HT/VHT40 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>-5.7</u>	<u>-5.8</u>	<u>-6.1</u>	<u>-5.7</u>	0.2	5.0	4.8
	HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>-3.2</u>	<u>-2.8</u>	<u>-2.7</u>	<u>-3.2</u>	3.1	8.0	4.9
	HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>-1.0</u>	<u>-0.8</u>	<u>-0.9</u>	<u>-1.0</u>	5.1	9.8	4.7
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	2	6	<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>0.8</u>	<u>1.5</u>	<u>1.4</u>		6.0	11.0	5.0
	HT/VHT40 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>-0.1</u>	<u>0.5</u>	<u>0.1</u>	<u>0.2</u>	6.2	11.0	4.8



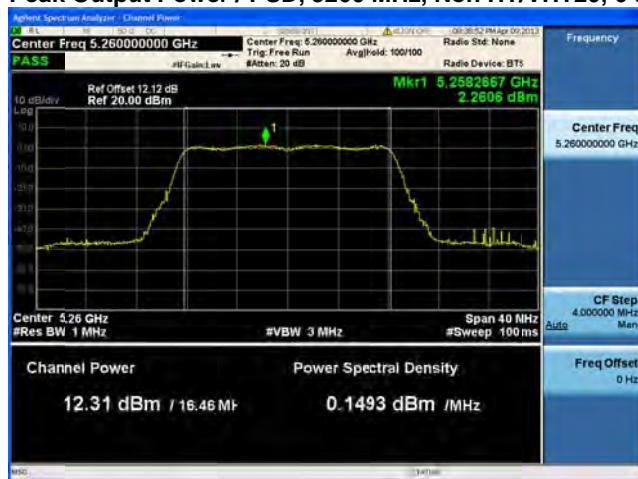
5320	Non HT/VHT20, 6 to 54 Mbps	1	6	<u>4.9</u>				4.9	11.0	6.1
	Non HT/VHT20, 6 to 54 Mbps	2	6	<u>4.9</u>	<u>5.4</u>			8.2	11.0	2.8
	Non HT/VHT20, 6 to 54 Mbps	3	6	<u>1.0</u>	<u>1.4</u>	<u>1.4</u>		6.0	11.0	5.0
	Non HT/VHT20, 6 to 54 Mbps	4	6	<u>-0.7</u>	<u>-0.8</u>	<u>-1.4</u>	<u>-0.7</u>	5.1	11.0	5.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	2	9	<u>3.0</u>	<u>3.1</u>			6.1	8.0	1.9
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	3	11	<u>-0.7</u>	<u>-0.8</u>	<u>-1.4</u>		3.8	6.2	2.4
	Non HT/VHT20 Beam Forming, 6 to 54 Mbps	4	12	<u>-2.5</u>	<u>-2.7</u>	<u>-3.3</u>	<u>-2.5</u>	3.3	5.0	1.7
	HT/VHT20, M0 to M7, M0.1 to M9.1	1	6	<u>4.9</u>				4.9	11.0	6.1
	HT/VHT20, M0 to M7, M0.1 to M9.1	2	6	<u>4.9</u>	<u>5.5</u>			8.2	11.0	2.8
	HT/VHT20, M8 to M15, M0.2 to M9.2	2	6	<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	6	<u>1.1</u>	<u>1.1</u>	<u>0.8</u>		5.8	11.0	5.2
	HT/VHT20, 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, M16 to M23, M0.3 to M9.3	3	6	<u>3.5</u>	<u>4.5</u>	<u>3.8</u>		8.7	11.0	2.3
	HT/VHT20, M0 to M7, M0.1 to M9.1	4	6	<u>-1.0</u>	<u>-0.9</u>	<u>-1.2</u>	<u>-1.1</u>	5.0	11.0	6.0
	HT/VHT20, M8 to M15, M0.2 to M9.2	4	6	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>	<u>2.0</u>	8.1	11.0	2.9
	HT/VHT20, M16 to M23, M0.3 to M9.3	4	6	<u>2.7</u>	<u>3.5</u>	<u>2.9</u>	<u>3.1</u>	9.1	11.0	1.9
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	2	9	<u>2.7</u>	<u>3.5</u>			6.1	8.0	1.9
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	2	6	<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	11	<u>-1.0</u>	<u>-0.9</u>	<u>-1.2</u>		3.7	6.2	2.5
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	3	8	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>		6.8	9.2	2.4
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	3	6	<u>3.5</u>	<u>4.5</u>	<u>3.8</u>		8.7	11.0	2.3
	HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1	4	12	<u>-2.3</u>	<u>-2.8</u>	<u>-3.3</u>	<u>-3.0</u>	3.2	5.0	1.8
	HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2	4	9	<u>-0.1</u>	<u>0.2</u>	<u>-0.4</u>	<u>0.2</u>	6.0	8.0	2.0
	HT/VHT20 Beam Forming, M16 to M23, M0.3 to M9.3	4	7	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>	<u>2.0</u>	8.1	9.8	1.7
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	2	6	<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>3.5</u>	<u>4.5</u>	<u>3.8</u>		8.7	11.0	2.3
	HT/VHT20 STBC, M0 to M7, M0.1 to M9.1	4	6	<u>2.3</u>	<u>2.1</u>	<u>1.7</u>	<u>2.0</u>	8.1	11.0	2.9

**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

Software: Spectrum Analyzer - Channel Power
 Center Freq 5.260000000 GHz
 #F Grids Low
 Center Freq: 5.260000000 GHz
 Trig: Free Run
 #Attenu: 20 dB
 Radio Std: None
 Avg/Ref: 100/100
 Radio Device: BTS
 Frequency
 Center Freq: 5.260000000 GHz
 CF Step: 4.000000 MHz
 Span 40 MHz
 #Sweep 100 ms
 Freq Offset: 0 Hz
 Channel Power: 10.40 dBm / 16.46 MHz
 Power Spectral Density: -1.769 dBm / MHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm
 Mkr1 5.2529333 GHz
 0.18086 dBm
 #VBW 3 MHz
 #Res BW 1 MHz
 #Sweep 100 ms
 Span 40 MHz
 #Sweep 100 ms
 Audio
 Manual

[illegible]

Ref Offset 12.12 dB
Ref 20.00 dBm

Center Freq 5.26000000 GHz
Trig: Free Run
Avg/hold: 100/100
Radio Std: None
Radio Device: BT3

PASS

10 dB/div

Center Freq 5.2572 GHz
1.1203 dBm

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

Channel Power
11.02 dBm / 16.46 MHz

Power Spectral Density
-1.146 dBm / MHz

Frequency
Center Freq
5.26000000 GHz

CF Step
4.000000 MHz

Freq Offset
0 Hz

REF 10.00000000 GHz 10.00000000 dBm
 Center Freq 5.26000000 GHz
 Trig Free Run AvgHold: 100/100
 Radio Std: None
 Radio Device: BTS
 #dB Gain Low
 #dBm: 20 dB
 Mkr1 5.2618333 GHz 0.92252 dBm
 10 dB/div
 Ref 12.12 dB
 Ref 20.90 dBm
 Center 5.26 GHz
 #Res BW 1 MHz
 #VSWR 3 MHz
 Span 40 MHz
 Sweep 100 ms
 Channel Power
 Power Spectral Density
 10.97 dBm / 16.46 MHz
 -1.197 dBm /MHz
 CF Step 4.000000 MHz
 Auto
 Freq Offset 0 Hz

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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



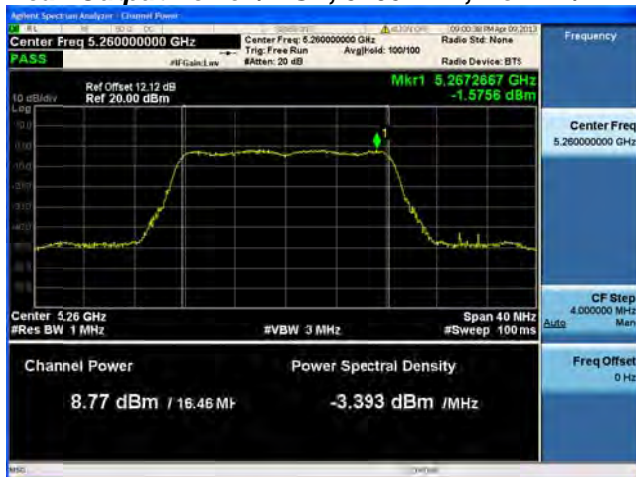
Antenna A



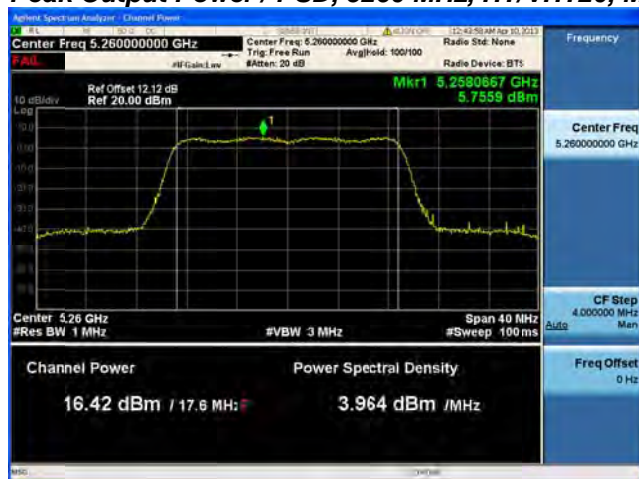
Antenna B



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

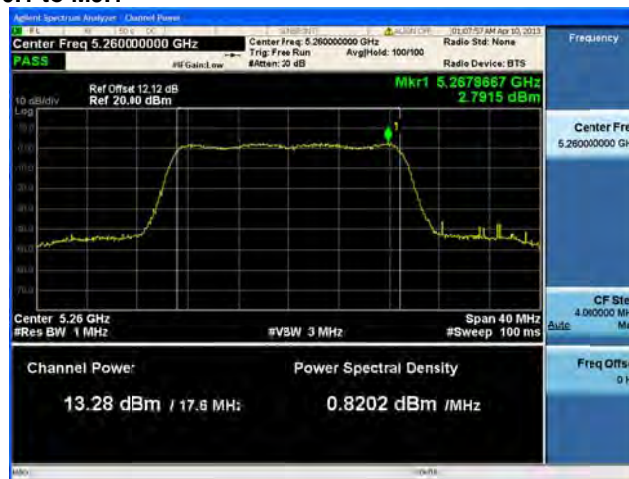


Antenna B

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



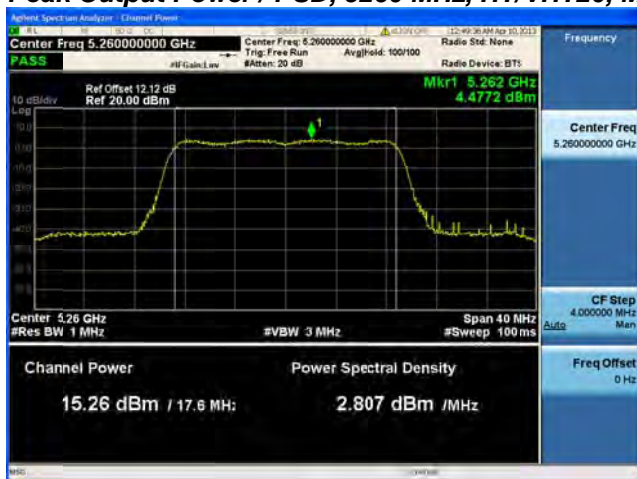
Antenna A

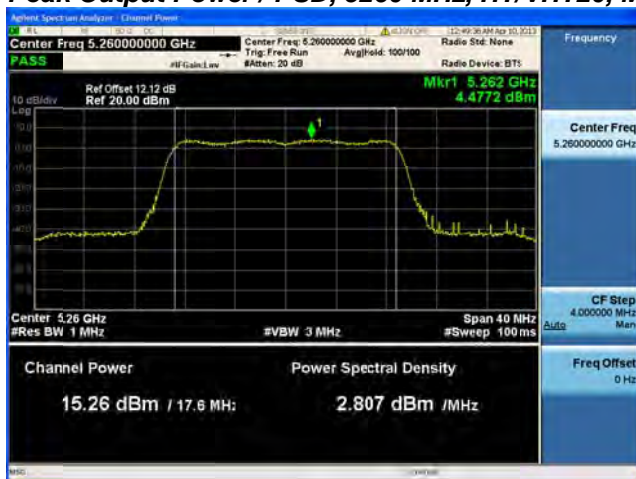


Antenna B



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**

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

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm

Center Freq: 5.260000000 GHz
 Trig: Free Run
 Avg/hold: 100/100
 Radio Sts: None
 Radio Device: BT1

PASS

dB Gain: Low

10 dB/div

1

Mkr1 5.2626 GHz
 2.7998 dBm

Center 5.26 GHz
 #Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz
 #Sweep 100 ms

Channel Power

13.39 dBm / 17.6 MHz

Power Spectral Density

0.9377 dBm / MHz

Frequency

Center Freq
 5.260000000 GHz

CF Step
 4.000000 MHz

Freq Offset
 0 Hz

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 Trig: Free Run
 Avg/Hold: 100/100
 Radio Std: None
 Radio Device: B75

PASS #0 Gain: low #Att: 20 dB

Ref Offset 12.12 dB
 Ref 20.40 dBm

Center Freq 5.2674 GHz
 3.6914 dBm

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

Channel Power: 14.34 dBm / 17.8 MHz

Power Spectral Density: 1.888 dBm / MHz

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 Ref 20.00 dBm
 Span 40 MHz
 #Res BW 1 MHz
 #VBW 3 MHz
 #Sweep 100 ms

Channel Power: 14.10 dBm / 17.6 MHz

Power Spectral Density: 1.649 dBm / MHz

Frequency: 5.2578 GHz
 CF Step: 4.000000 MHz

The screenshot displays the Rohde & Schwarz FSW 30 Spectrum Analyzer interface. The main display shows a signal trace in a log-log scale. The y-axis is labeled '10 dB/div' and 'Log', with a scale from -70.0 to 0.0 dBm. The x-axis represents frequency, with a center frequency of 5.26 GHz and a resolution bandwidth of 1 MHz. The signal trace shows a flat baseline at approximately -90 dBm, rising to a peak of about -10 dBm between 5.258 GHz and 5.262 GHz, and then falling back to the baseline. A green cursor labeled 'Mkr1' is positioned at the peak of the signal.

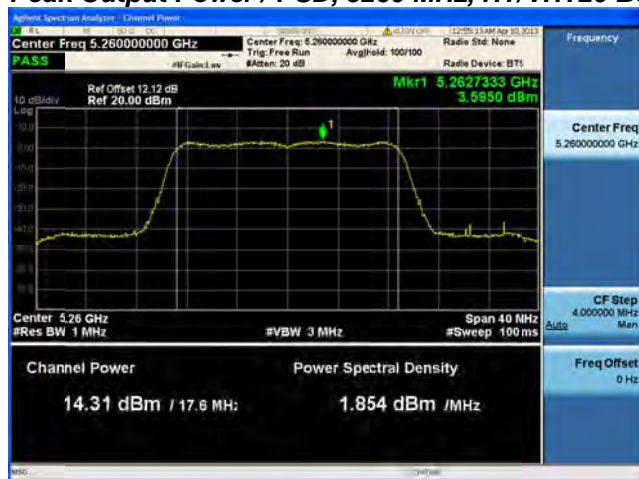
Key parameters and settings visible on the screen include:

- Center Freq:** 5.260000000 GHz
- Ref Offset:** 12.12 dB
- Ref:** 20.40 dBm
- Trig:** Free Run
- Avg/Hold:** 100/100
- Radio Std:** None
- Radio Device:** BTS
- CF Step:** 4.000000 MHz
- Span:** 40 MHz
- Res BW:** 1 MHz
- VBW:** 3 MHz
- Sweep:** 100 ms
- Channel Power:** 13.67 dBm / 17.6 MHz
- Power Spectral Density:** 1.218 dBm / MHz

The interface also includes a top status bar with the model number 'FSW 30' and a date/time stamp '01.05.2014 10:20:53'. A right-hand panel shows additional settings like 'Frequency' and 'Auto'.

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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



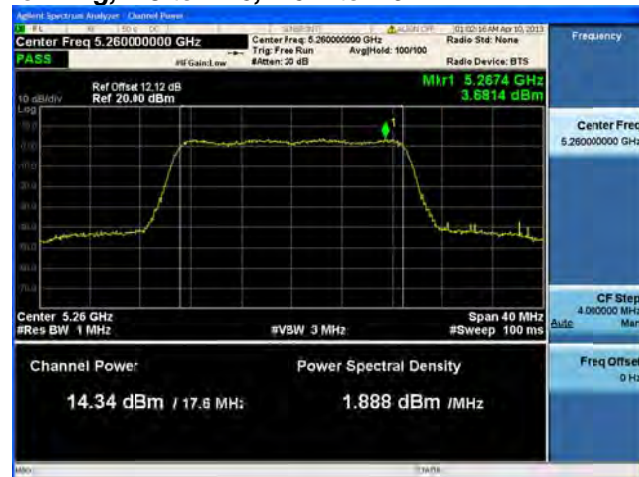
Antenna A

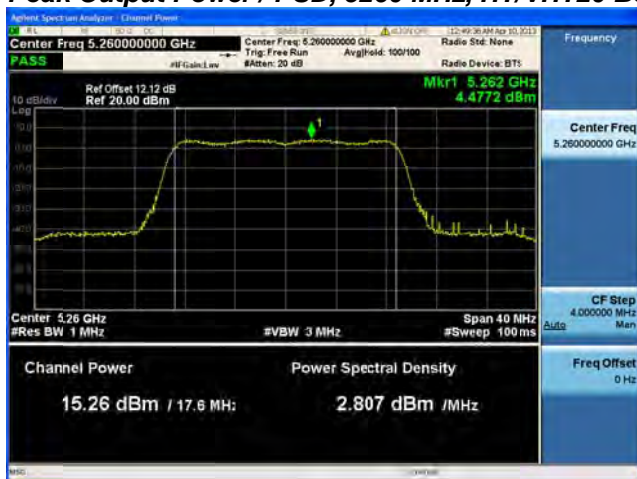


Antenna B



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]

Center Freq 5.260000000 GHz
 Mkr1 5.2678 GHz -1.1371 dBm
 Channel Power: 9.37 dBm / 17.8 MHz
 Power Spectral Density: -3.084 dBm / MHz

Yellow Spectral Analyzer - Channel Power

Center Freq 5.26000000 GHz

Center Freq: 5.26000000 GHz

Trig: Free Run

Avg/hold: 100/100

Radio Std: None

Radio Device: BT3

Frequency

Center Freq 5.26000000 GHz

CF Step 4.000000 MHz

Auto

Man

Freq Offset 0 Hz

Ref Offset 12.12 dB

Ref 20.00 dBm

10 dB/div

1

Mkr1 5.2573333 GHz -1.2573 dBm

Center 5.26 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power

Power Spectral Density

9.10 dBm / 17.6 MHz

-3.354 dBm / MHz

[illegible]

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Default Search on Analyzer - Channel Power
 Center Freq 5.260000000 GHz
 PASS
 #F Gain: Low
 Center Freq: 5.260000000 GHz
 Trig: Free Run
 #atten: 20 dB
 Avg: Hold: 100/100
 Radio Std: None
 Radio Device: BT5
 01:12:10 AM Nov 10, 2013
 Frequency
 Center Freq: 5.260000000 GHz
 CF Step: 4.000000 MHz
 Span 40 MHz
 #Sweep 100 ms
 Channel Power
 Power Spectral Density
 11.44 dBm / 17.6 MHz
 -1.021 dBm / MHz
 Freq Offset: 0 Hz

[illegible]

Ref Offset 12.12 dB
Ref 20.00 dBm

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

Radio St: None
Avg/hold: 100/100
Radio Device: BT1

Frequency

Center Freq
5.260000000 GHz

CF Step
4.000000 MHz

Span 40 MHz
#Sweep 100 ms

Channel Power

Power Spectral Density

10.07 dBm / 17.6 MHz

-100.38 dBm / MHz

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Control Panel

Center Freq 5.260000000 GHz

PASS

Ref Offset 12.12 dB

Ref 20.90 dBm

Center Freq: 5.260000000 GHz

Trig: Free Run

Avg/Hold: 100/H00

Radio Std: None

Radio Device: BTS

#dBm: 20 dB

#Gain: 1.00

Mkr1 5.2622 GHz

1.2799 dBm

10 dB/div

Log

Center 5.26 GHz

#Res BW 1 MHz

#VSW 3 MHz

Span 40 MHz

#Sweep 100 ms

Channel Power:

11.78 dBm / 17.6 MHz

Power Spectral Density

-0.6757 dBm / MHz

Frequency

Center Freq

5.260000000 GHz

CF Step

4.000000 MHz

Auto

Freq Offset

0 Hz

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Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 Ref Offset 12.12 dB
 Ref 20.00 dBm

Center Freq: 5.260000000 GHz
 Trig: Free Run
 Avg/Hold: 100/100
 Radio Device: BT1

Frequency

Center Freq
 5.260000000 GHz

CF Step
 4.000000 MHz

Freq Offset
 0 Hz

Channel Power

Power Spectral Density

13.39 dBm / 17.6 MHz

0.9377 dBm / MHz

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

Mkr1 5.2626 GHz
 2.7998 dBm

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz

Ref Offset 12.12 dB

Ref 20.00 dBm

Center Freq 5.260000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: B75

Channel Power: 14.34 dBm / 17.8 MHz

Power Spectral Density: 1.888 dBm / MHz

Center Freq 5.2674 GHz

3.6914 dBm

Span 40 MHz

#Res BW 1 MHz

#VBW 3 MHz

#Sweep 100 ms

CF Step 4.000000 MHz

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 #B Gdbr Low
 #Atten: 20 dB

Radio Std: None
 Radio Device: BT3

Ref Offset 12.12 dB
 Ref 20.00 dBm

Mkr1 5.2578 GHz
 3.9342 dBm

Channel Power
 14.10 dBm / 17.6 MHz

Power Spectral Density
 1.649 dBm / MHz

Center Freq 5.260000000 GHz
 CF Step 4.000000 MHz
 Span 40 MHz
 #Res BW 1 MHz
 #VBW 3 MHz
 #Sweep 100 ms

The screenshot displays the VectorStar Spectrum Analyzer interface. At the top, the title bar reads "Agilent Spectrum Analyzer - Channel Power". The main display area shows a spectrum plot with a yellow trace. The plot has a logarithmic scale on the y-axis (labeled "Log" and "dBm") ranging from -130 to 0. The x-axis represents frequency. A green trace is also visible, labeled "Mkr1 5.2618667 GHz 2.9506 dBm".

Key measurement parameters are displayed around the plot:

- Center Freq:** 5.260000000 GHz
- Ref Offset:** 12.12 dB
- Ref:** 20.40 dBm
- Trig:** Free Run
- Avg/Hold:** 100/100
- Radio Std:** None
- Radio Device:** BTS
- #dB Gain:** Low
- #Attenu:** 20 dB
- Center:** 5.26 GHz
- #Res BW:** 1 MHz
- #VBW:** 3 MHz
- Span:** 40 MHz
- #Sweep:** 100 ms

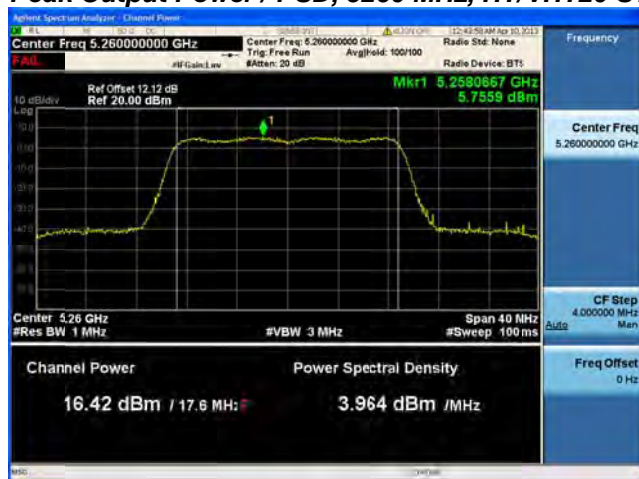
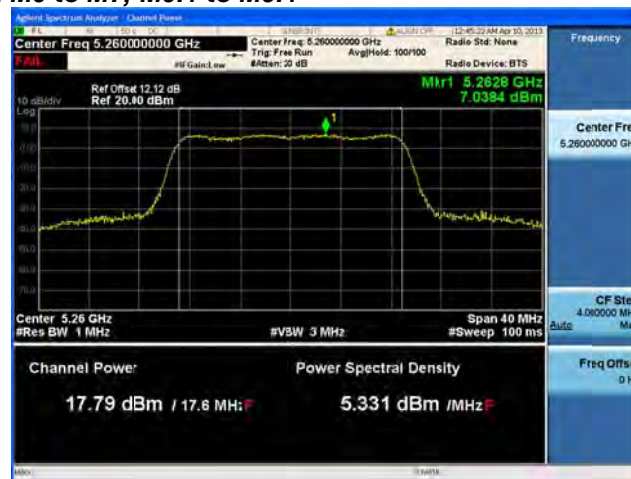
At the bottom, two power measurements are shown:

- Channel Power:** 13.67 dBm / 17.6 MHz
- Power Spectral Density:** 1.218 dBm / MHz

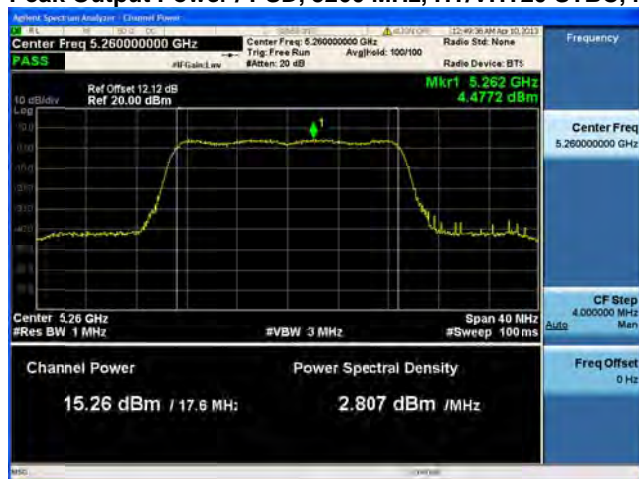
On the right side, there are additional controls and settings:

- Frequency:** A dropdown menu.
- Center Freq:** 5.26000000 GHz
- CF Step:** 4.000000 MHz
- Auto:** A button.
- Freq Offset:** 0 Hz

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

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



Antenna A



Antenna B



Antenna C

[illegible]

Advent Spectrum Analyzer - Channel View

Center Freq 5.26000000 GHz
 #Ref 12.12 dB
 #Res BW 1 MHz
 #VSW 3 MHz
 Span 40 MHz
 Sweep 100 ms

Center Freq 5.2674 GHz
 3.8814 dBm

Channel Power: 14.34 dBm / 17.8 MHz
 Power Spectral Density: 1.888 dBm / MHz

Ref Offset 12.12 dB
Ref 20.00 dBm

Center Freq 5.26000000 GHz
Trig: Free Run
#Att: 20 dB

Radio Std: None
Avg/hold: 100/100
Radio Device: BT1

Frequency

Center Freq
5.26000000 GHz

CF Step
4.000000 MHz

Span 40 MHz
#Sweep 100 ms

Channel Power

Power Spectral Density

14.10 dBm / 17.6 MHz

1.649 dBm / MHz

Freq Offset
0 Hz

Channel Spectrum Analyzer - Channel Power

Center Freq 5.260000000 GHz
 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

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

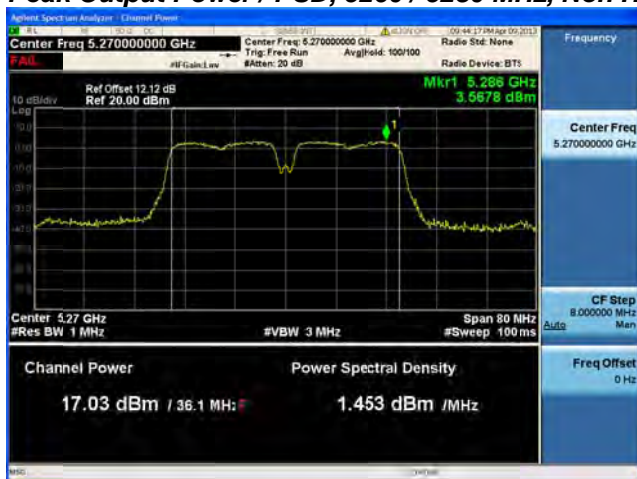
CF Step 4.000000 MHz
 Man Auto

Freq Offset 0 Hz

M800 0.0000

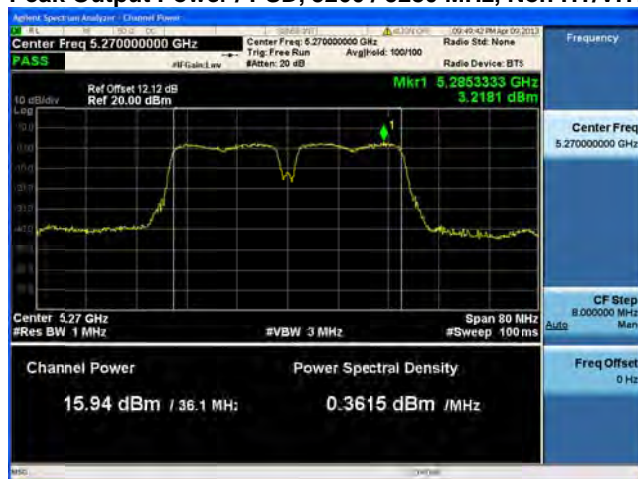
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**Peak Output Power / PSD, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A**

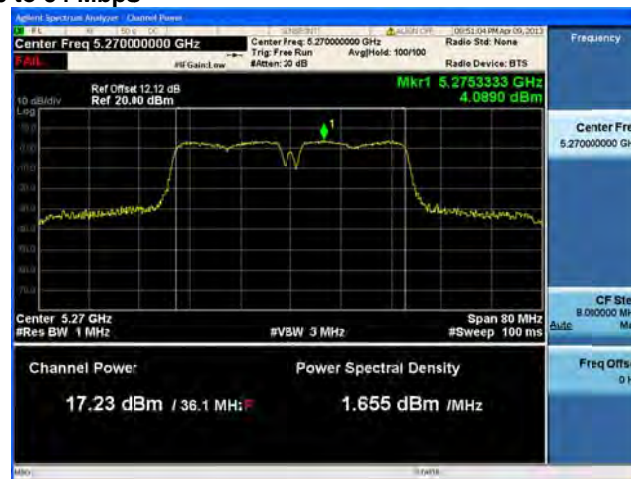
Peak Output Power / PSD, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A****Antenna B**



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



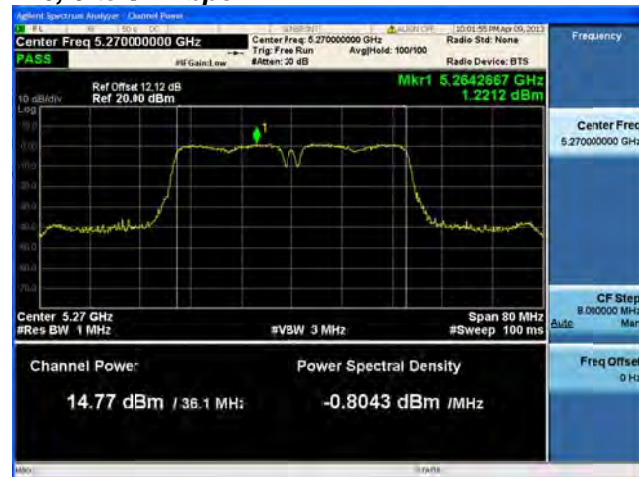
Antenna A



Antenna B



Antenna C

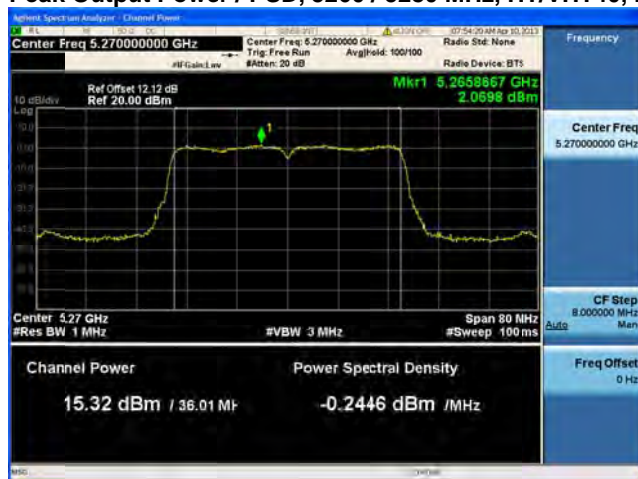
**Peak Output Power / PSD, 5260 / 5280 MHz, Non HT/VHT40, 6 to 54 Mbps****Antenna A****Antenna B****Antenna C****Antenna D**

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



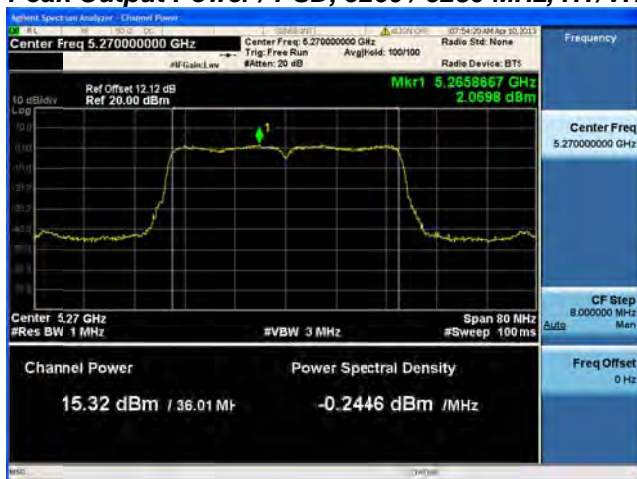
Antenna A

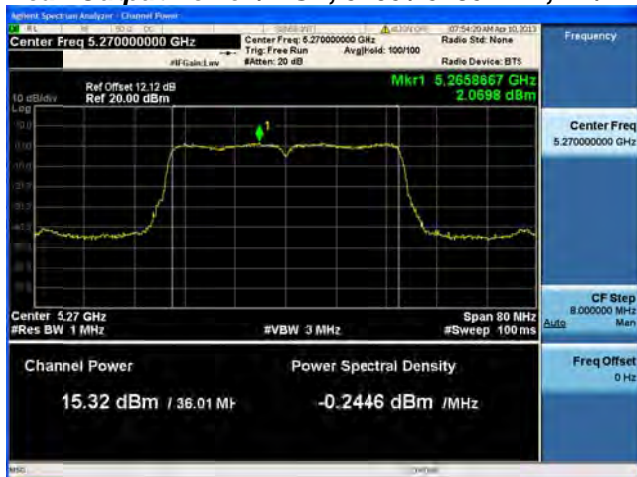


Antenna B



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**

Software: Spectrum Analyzer - Channel Power

Center Freq 5.270000000 GHz

Center Freq: 5.270000000 GHz
 Trig: Free Run
 Avg/hold: 100/100

Radio Std: None
 Radio Device: BTS

Frequency

Ref Offset 12.12 dB
 Ref 20.00 dBm

Mkr1 5.2550867 GHz
 0.73461 dBm

Center Freq 5.270000000 GHz

CF Step 8.000000 MHz

Span 80 MHz
 #Sweep 100 ms

Channel Power

Power Spectral Density

14.35 dBm / 36.01 MHz

-1.214 dBm / MHz

Freq Offset 0 Hz

Vector Signal Analyzer - Channel View

REF 1 5.27000000 GHz 10.00 dBm

Center Freq 5.270000000 GHz

Center Freq 5.270000000 GHz

Trig: Free Run

Avg/Hold: 100100

Radio Std: None

Radio Device: BTS

#F Gain Low

#F Gain: 20 dB

Ref Offd 12.12 dB

Ref 20.40 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 5.27 GHz

#Res BW 1 MHz

#VBW 3 MHz

Span 80 MHz

#Sweep 100 ms

Channel Power:

15.54 dBm / 36.01 MHz

Power Spectral Density

-0.01980 dBm / MHz

Center Freq 5.27000000 GHz

CF Step 8.000000 MHz

Auto

Freq Offset 0 Hz

Yellow Screen Analyzer - Channel Power

Center Freq 5.270000000 GHz

Ref Offset 12.12 dB
Ref 20.00 dBm

Center Freq: 5.270000000 GHz
Trig: Free Run
Avg/hold: 100/100
Radio Std: None
Radio Device: BTS

Frequency

Center Freq
5.270000000 GHz

CF Step
8.000000 MHz

Auto

Man

Freq Offset
0 Hz

Channel Power

Power Spectral Density

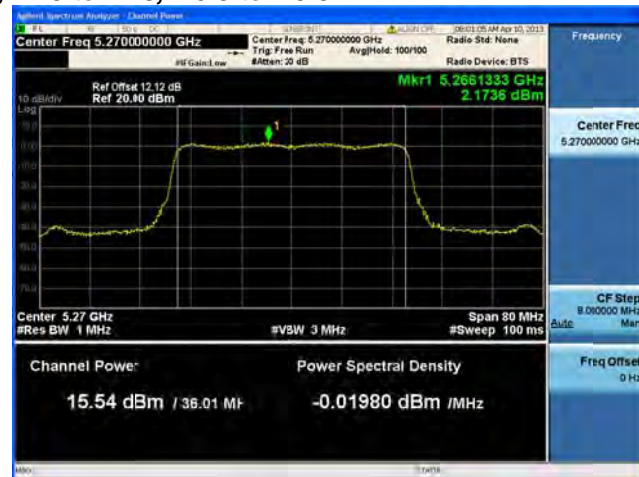
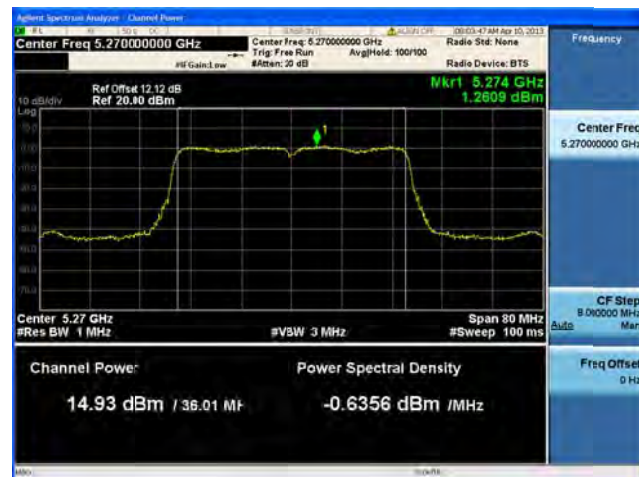
15.25 dBm / 36.01 MHz

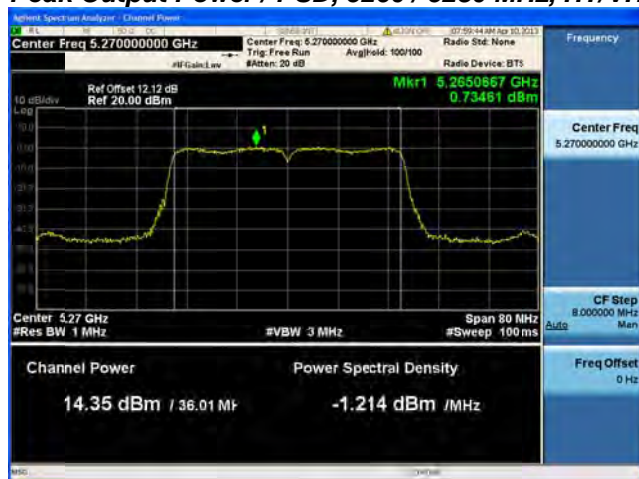
-0.3136 dBm / MHz

Center 5.27 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 80 MHz
#Sweep 100 ms

[illegible]

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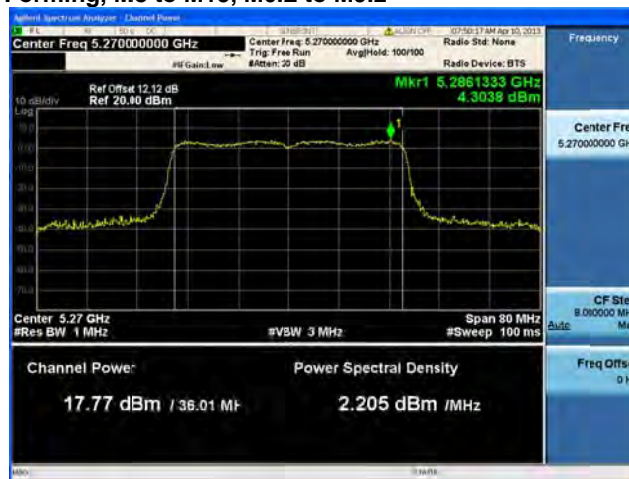
**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

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

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

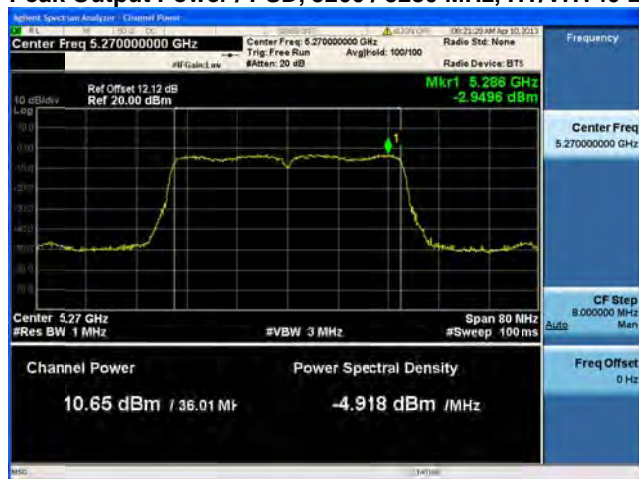


Antenna A

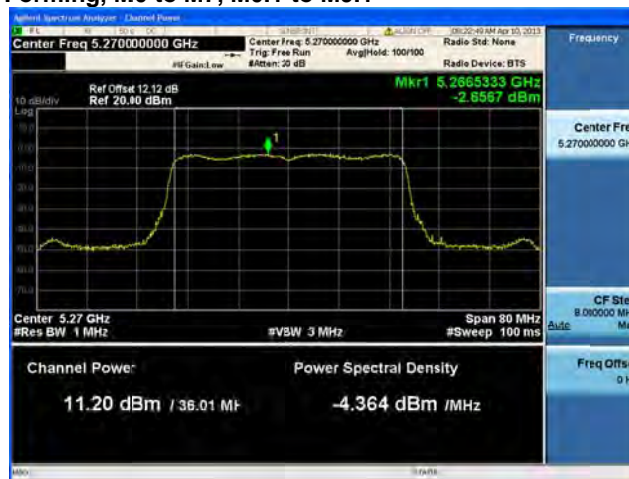


Antenna B

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



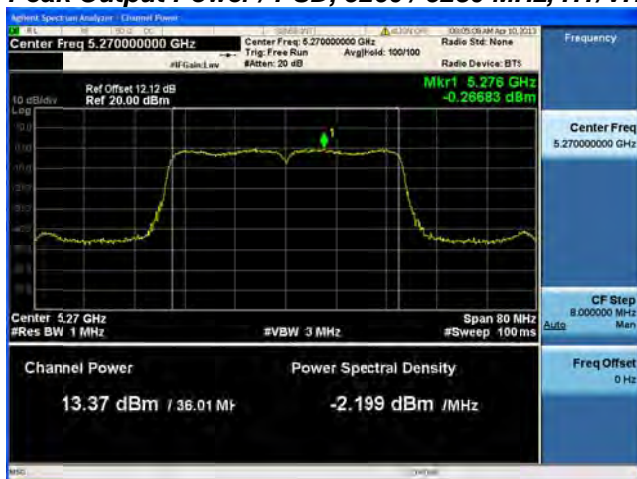
Antenna A



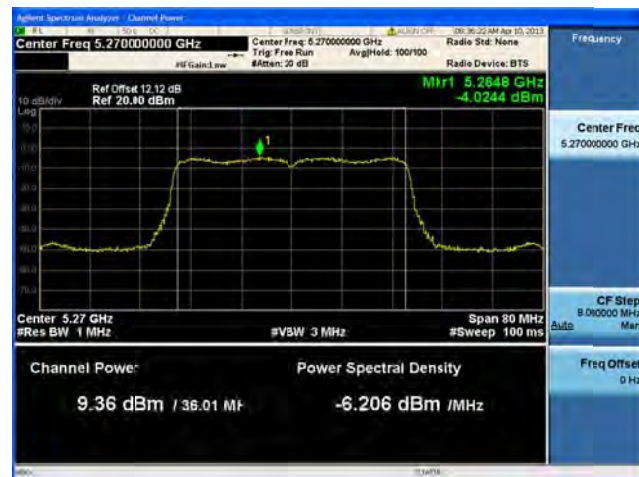
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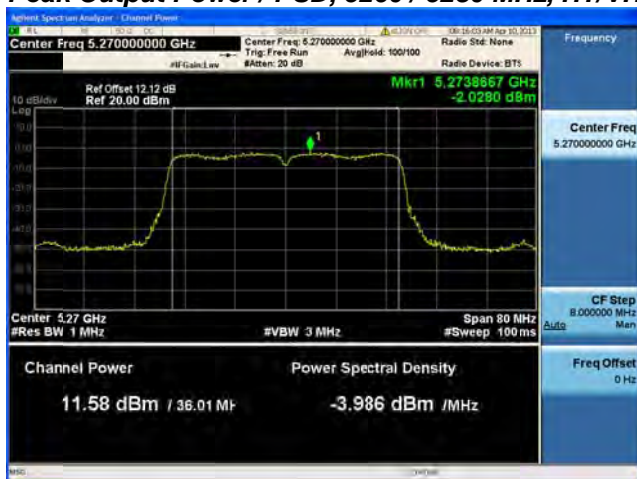
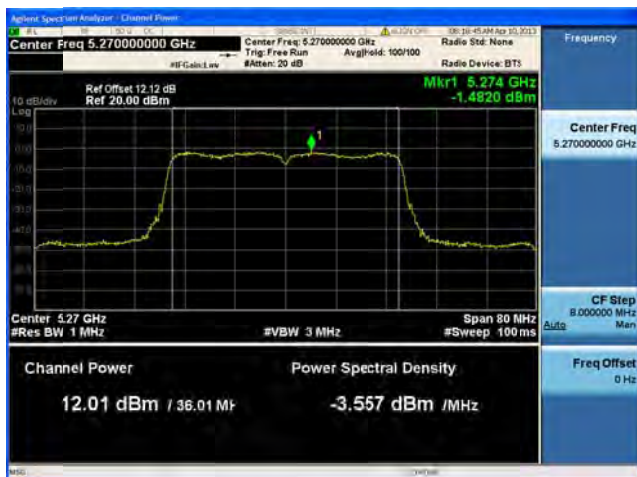
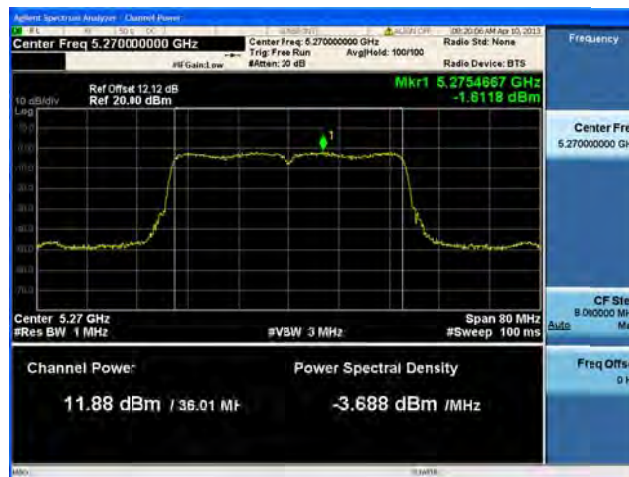


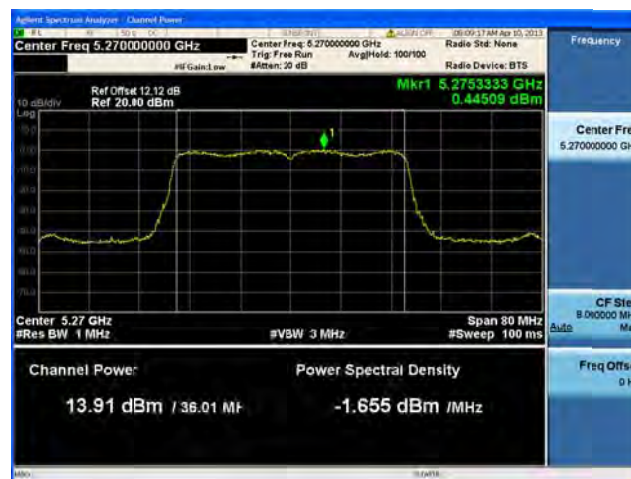
Antenna C

**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**

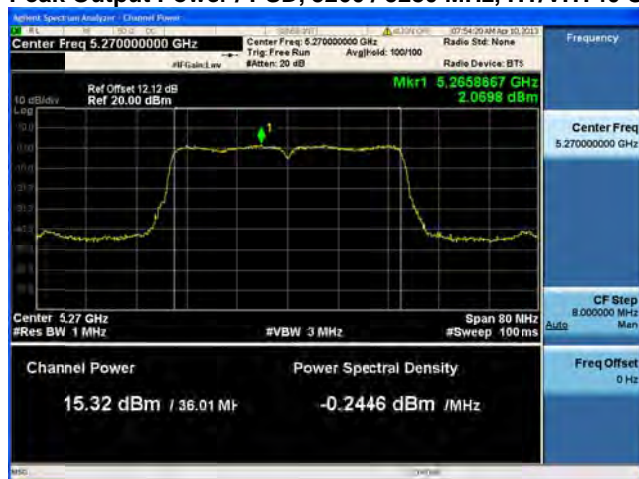
**Peak Output Power / PSD, 5260 / 5280 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C****Antenna D**

**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



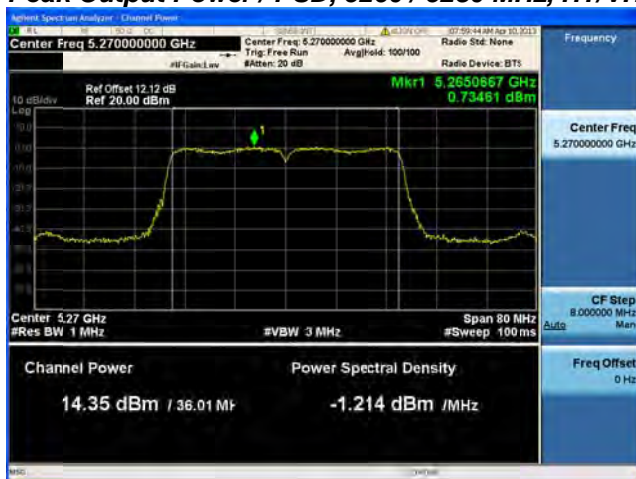
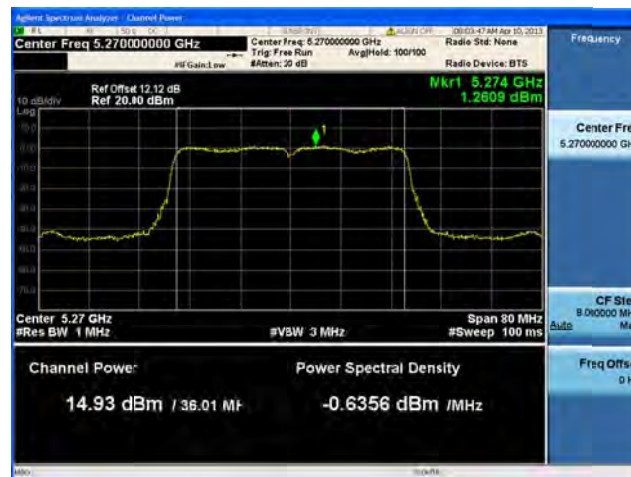
Antenna A



Antenna B

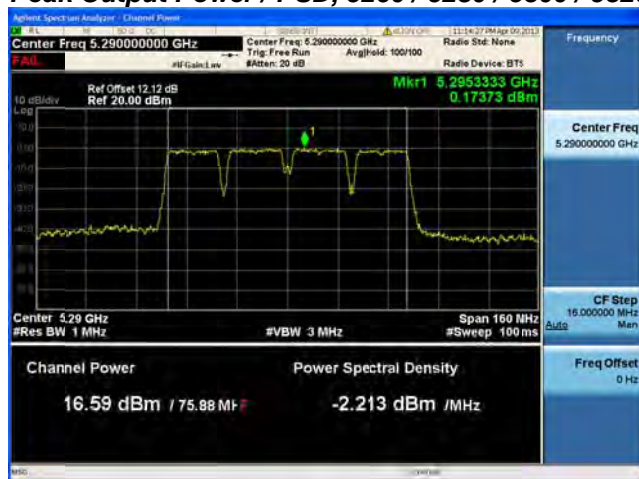


Antenna C

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

[illegible]

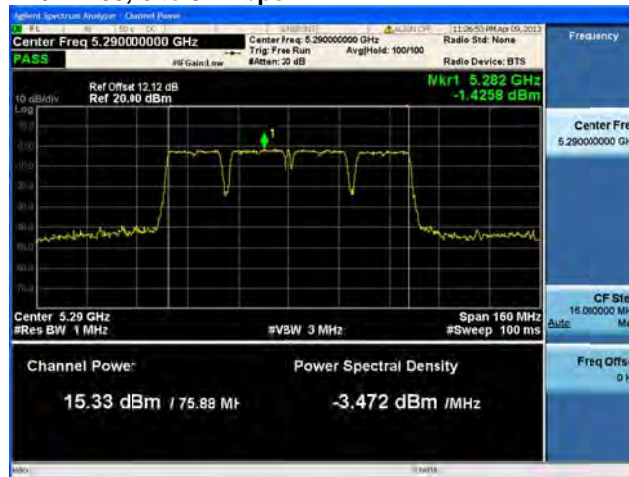
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Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, Non HT/VHT80, 6 to 54 Mbps**Antenna A****Antenna B**

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



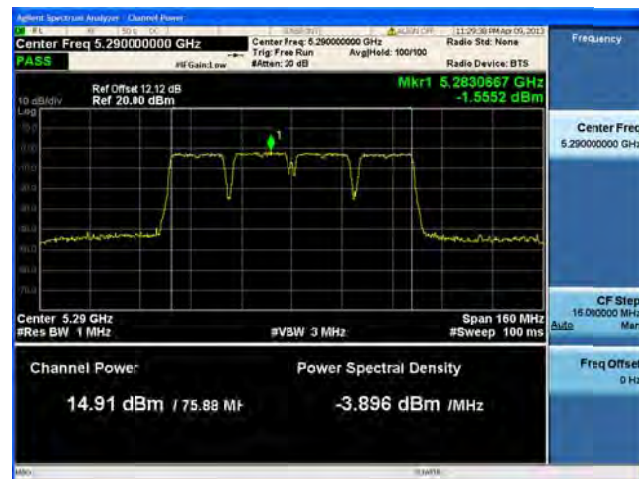
Antenna A

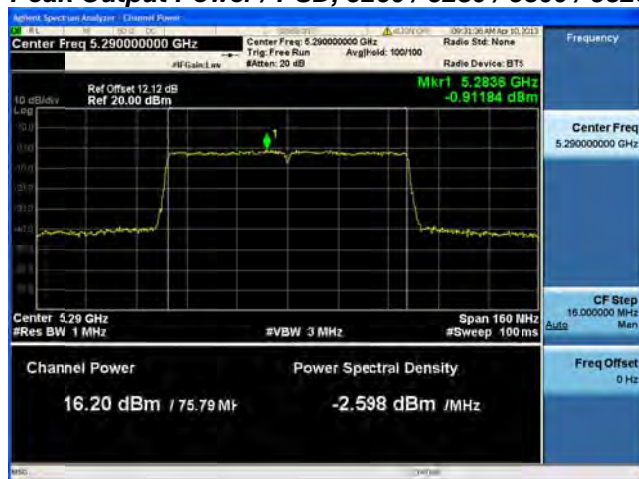


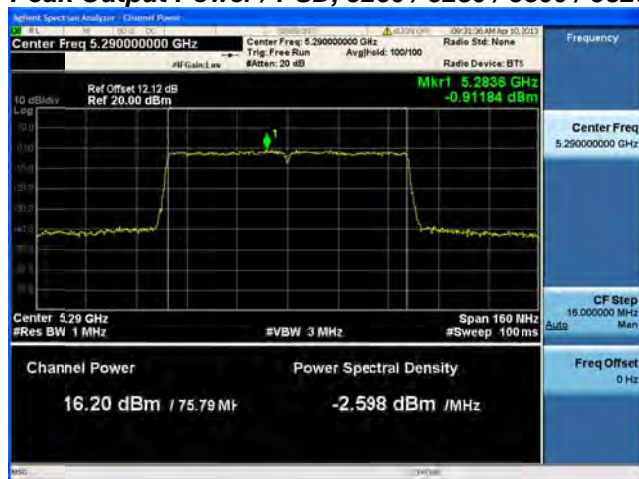
Antenna B



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

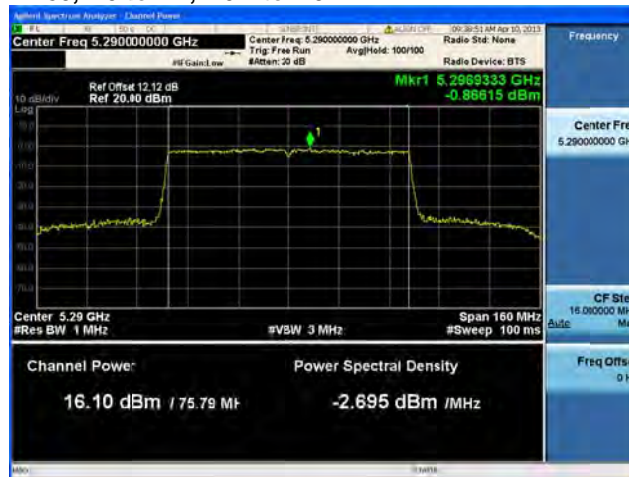


Antenna B

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



Antenna A



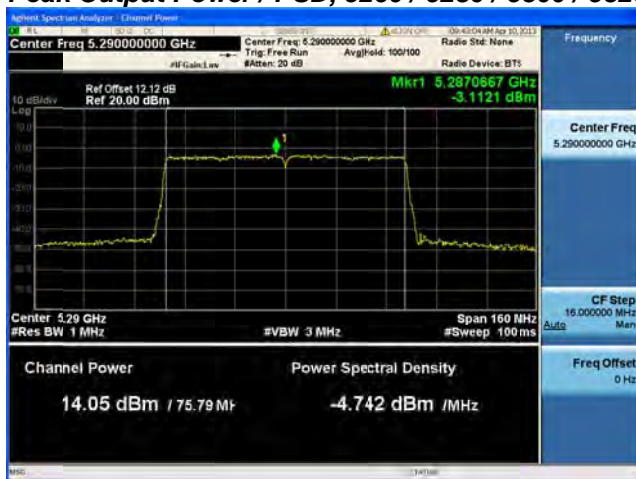
Antenna B



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


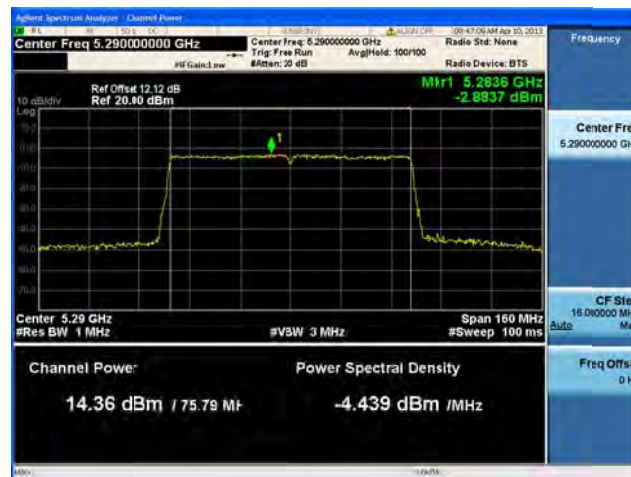
Antenna A



Antenna B



Antenna C



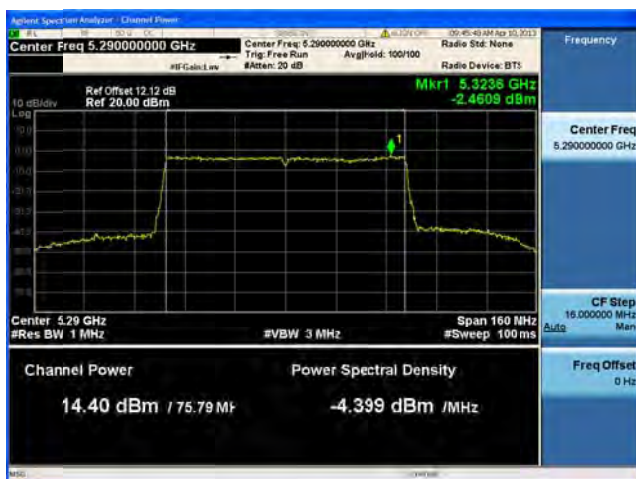
Antenna D


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

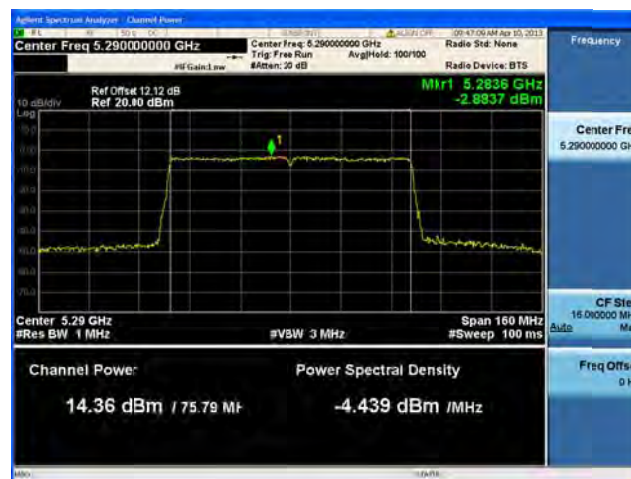

Antenna A



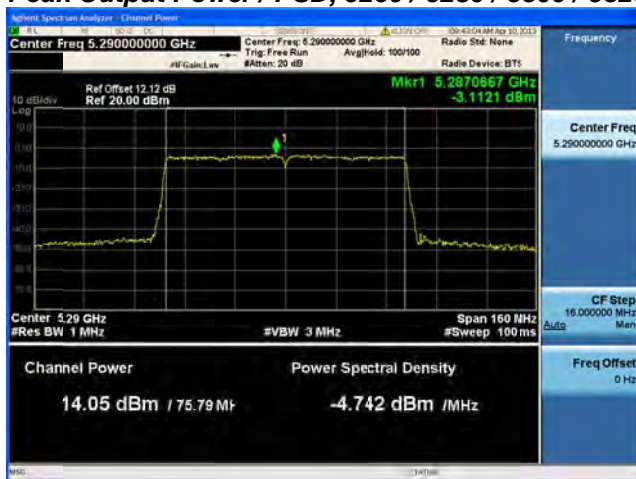
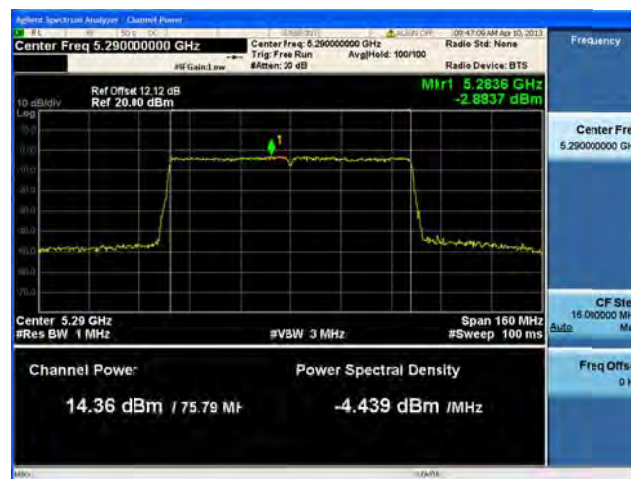
Antenna B

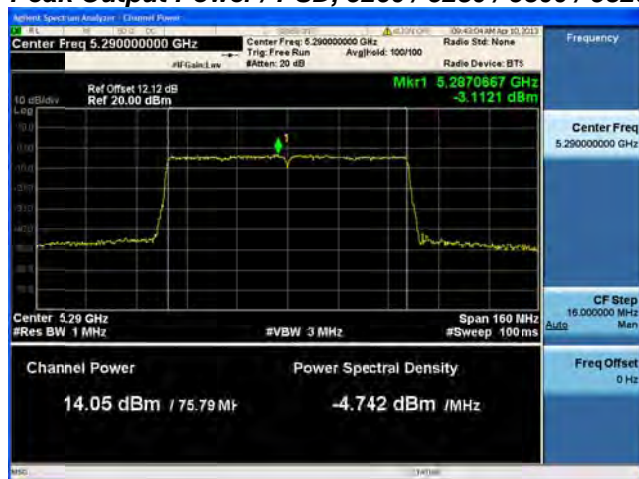


Antenna C



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



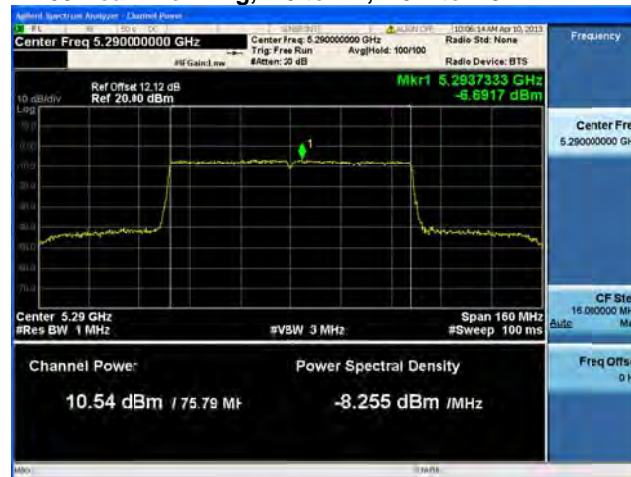
Antenna B



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



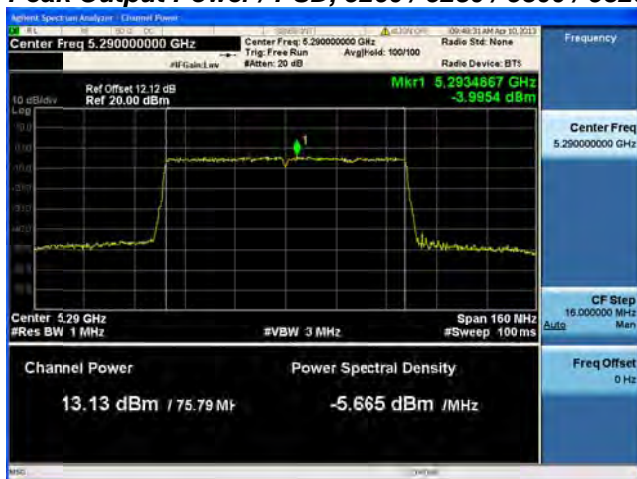
Antenna A



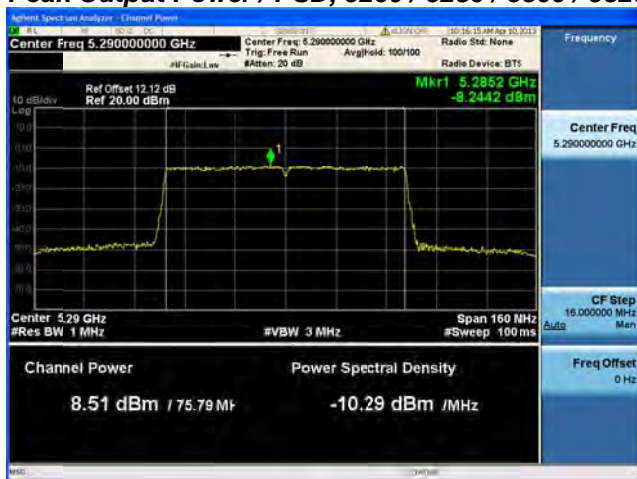
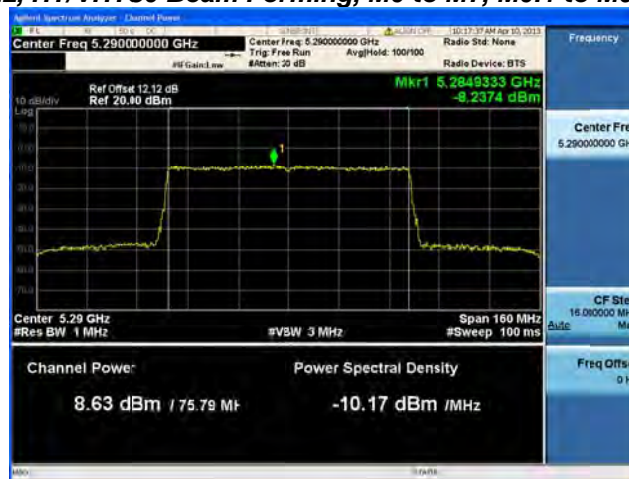
Antenna B



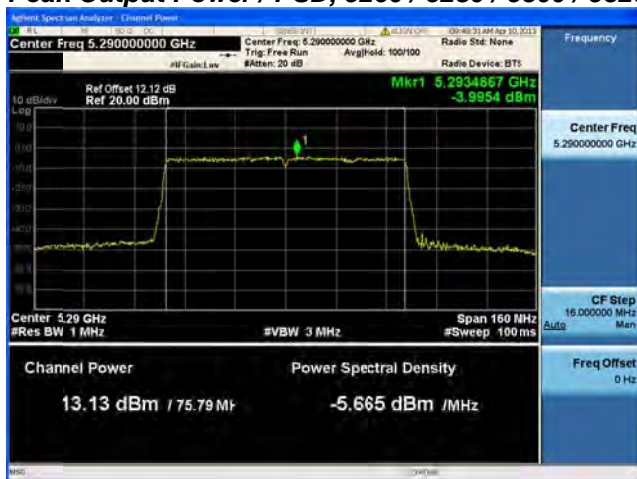
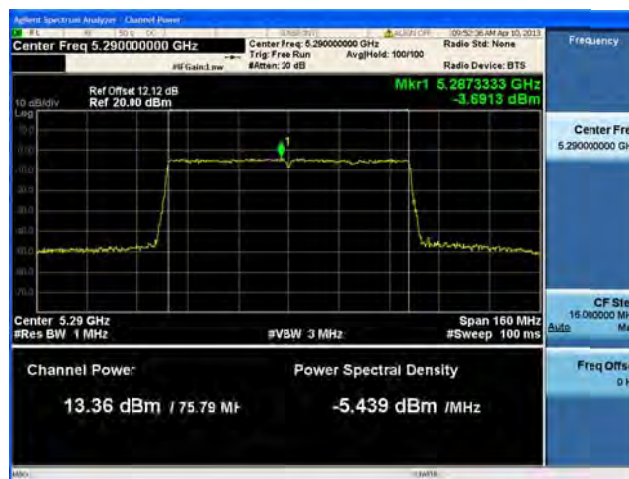
Antenna C

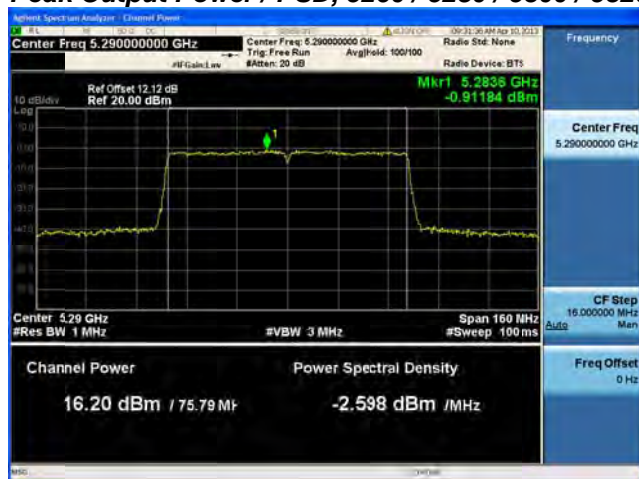
**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 Beam Forming, M8 to M15, M0.2 to M9.2****Antenna A****Antenna B****Antenna C**

**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**

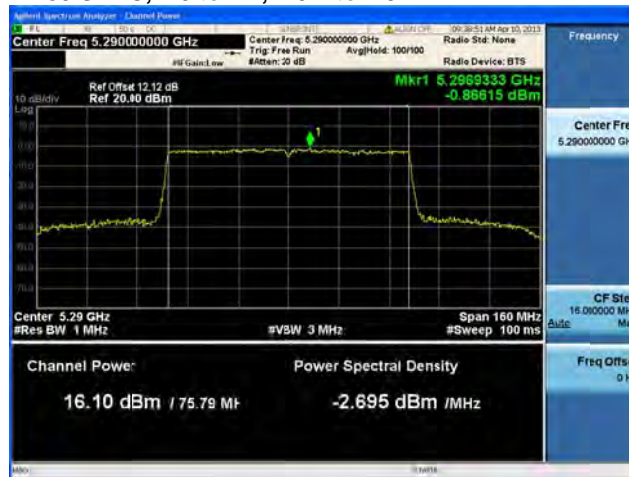
Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**



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



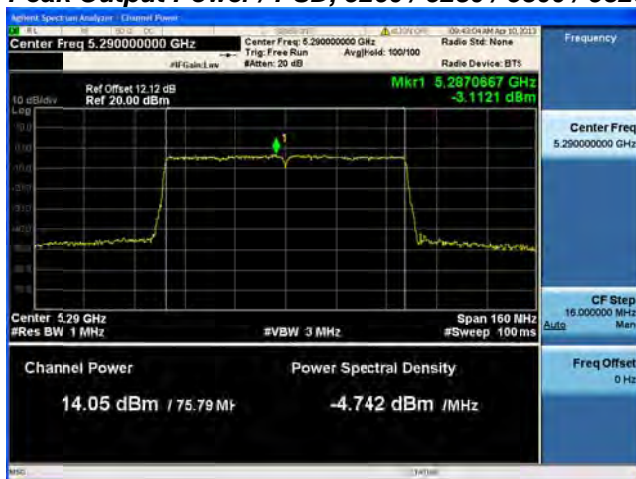
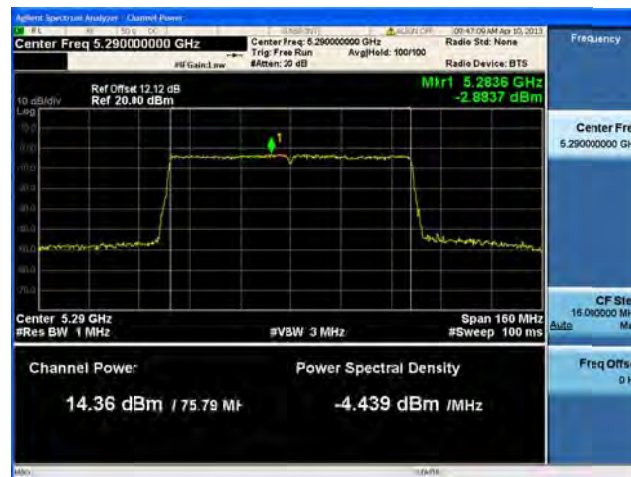
Antenna A



Antenna B



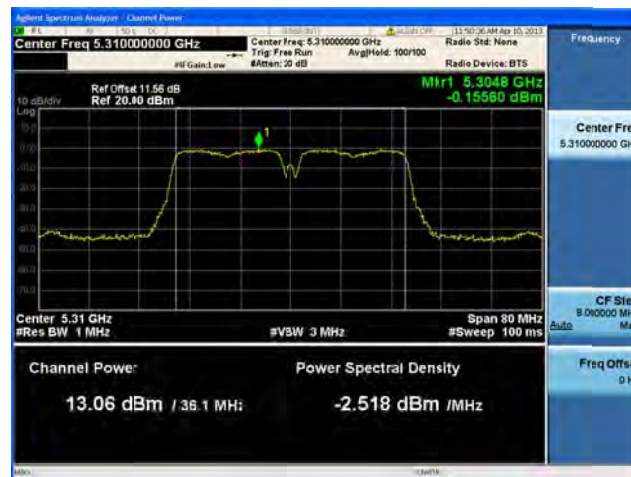
Antenna C

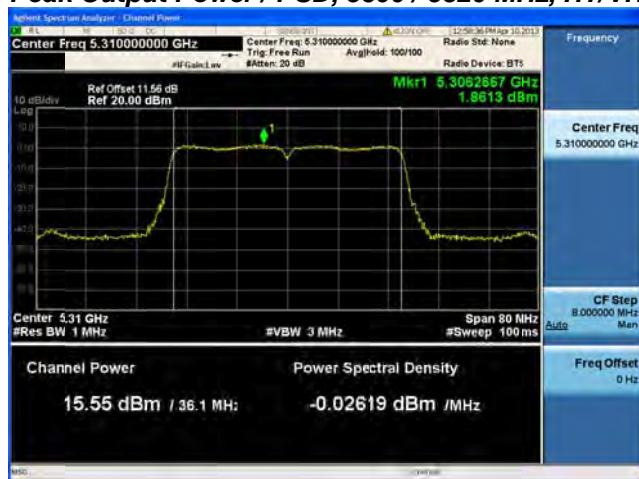
**Peak Output Power / PSD, 5260 / 5280 / 5300 / 5320 MHz, HT/VHT80 STBC, M0 to M7, M0.1 to M9.1****Antenna A****Antenna B****Antenna C****Antenna D**

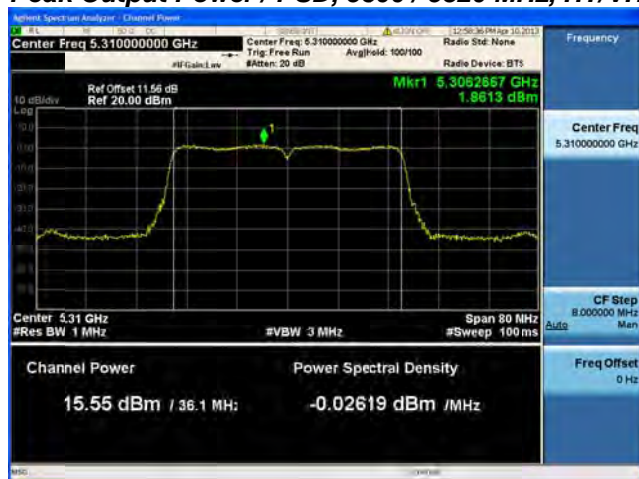
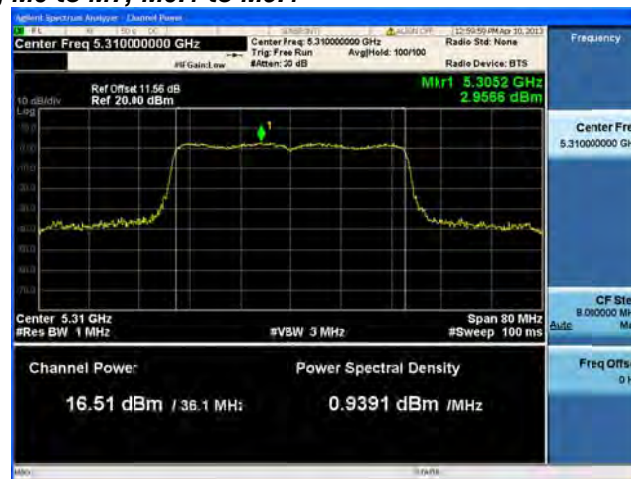
Peak Output Power / PSD, 5300 / 5320 MHz, Non HT/VHT40, 6 to 54 Mbps**Antenna A**

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**

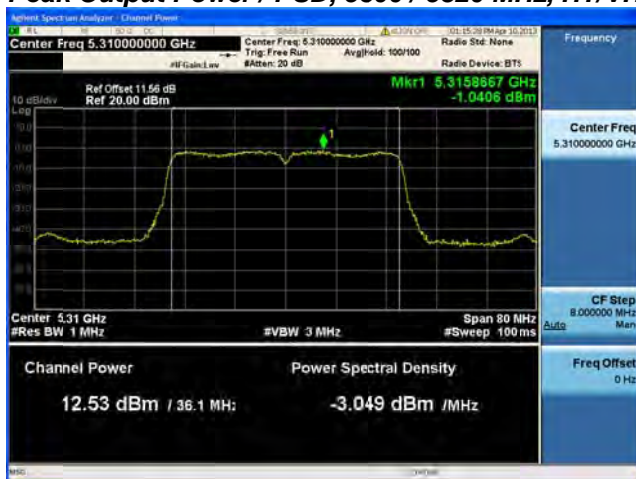
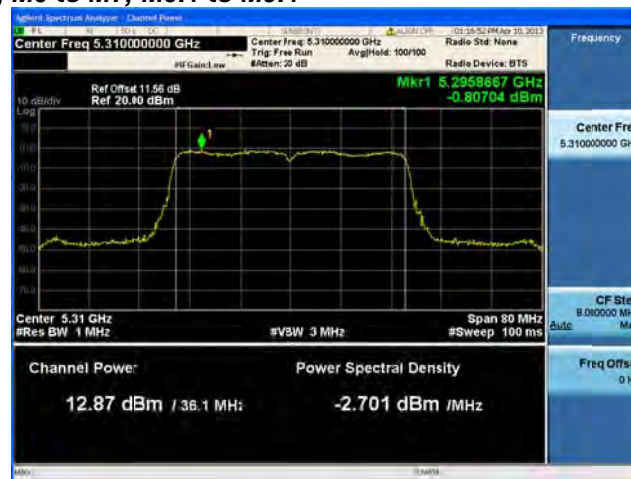
Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

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

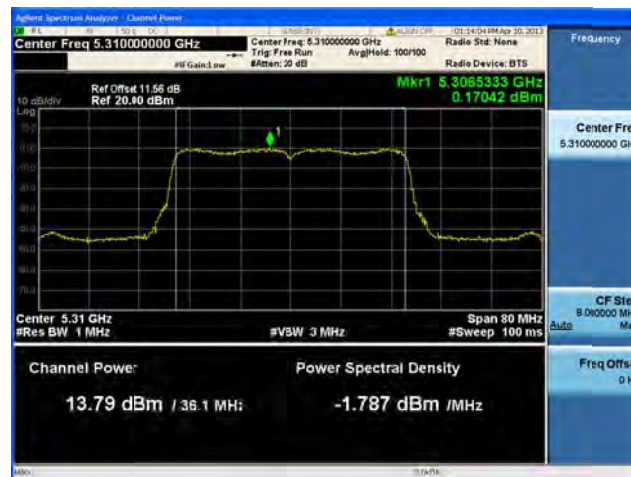
Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

**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**

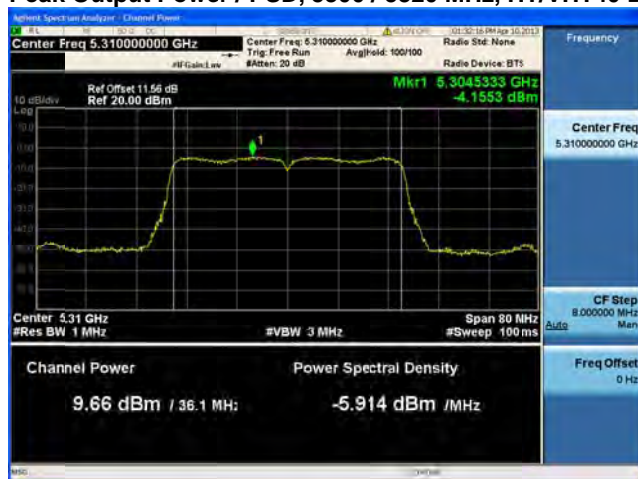
Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M8 to M15, M0.2 to M9.2

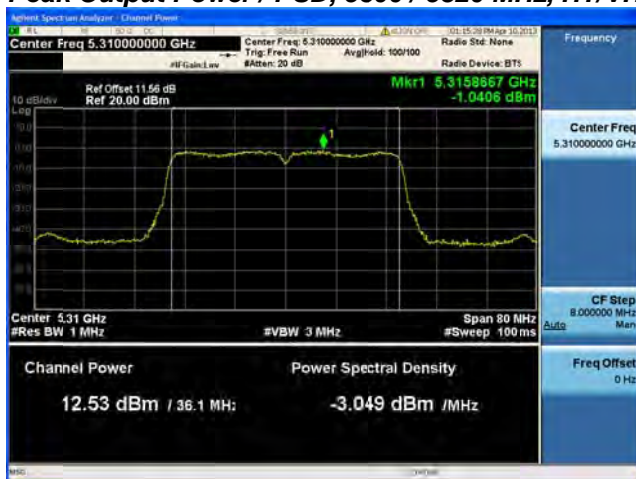


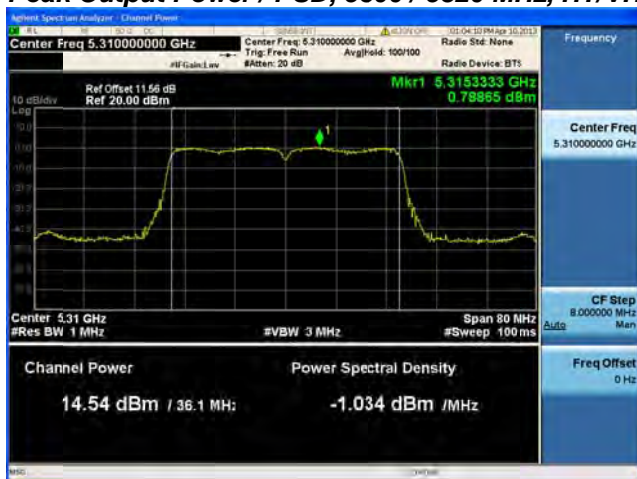
Antenna A

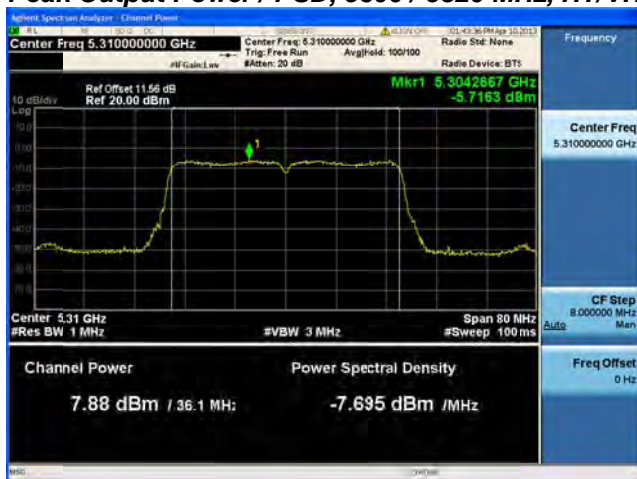


Antenna B

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**

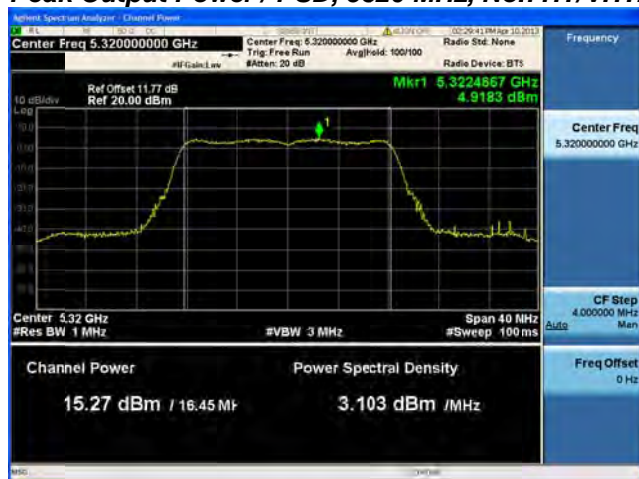
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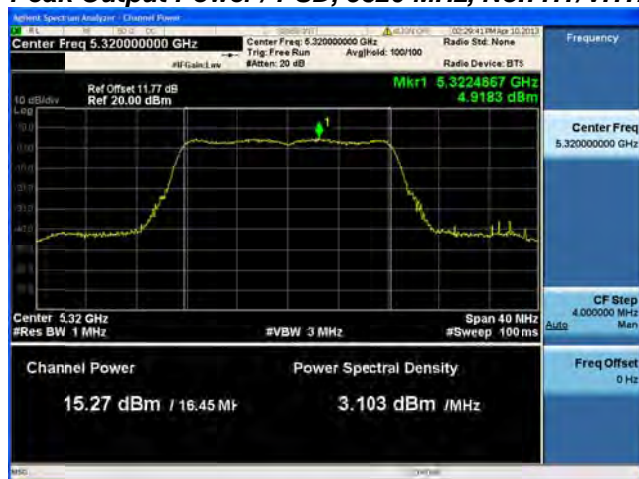
**Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 Beam Forming, M16 to M23, M0.3 to M9.3****Antenna A****Antenna B****Antenna C****Antenna D**

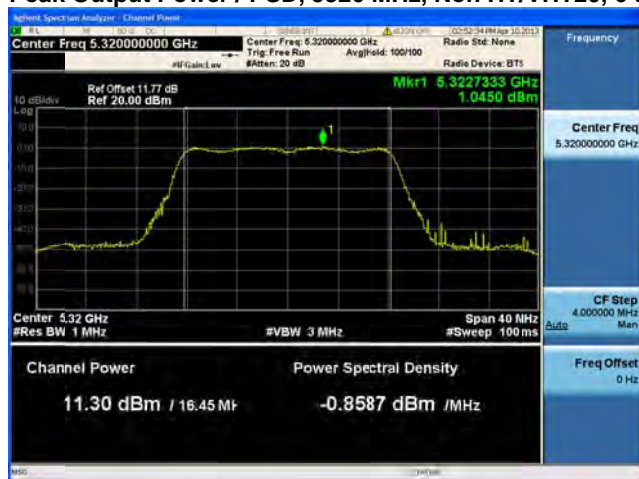
Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

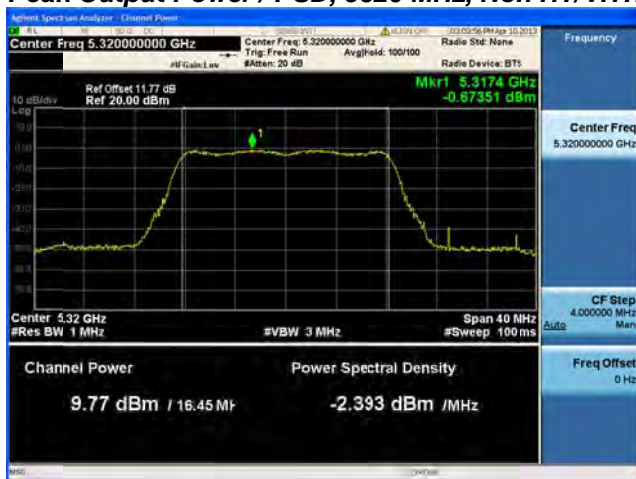
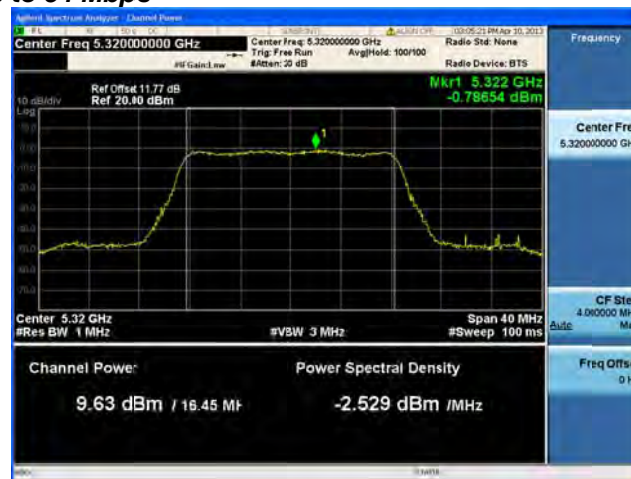
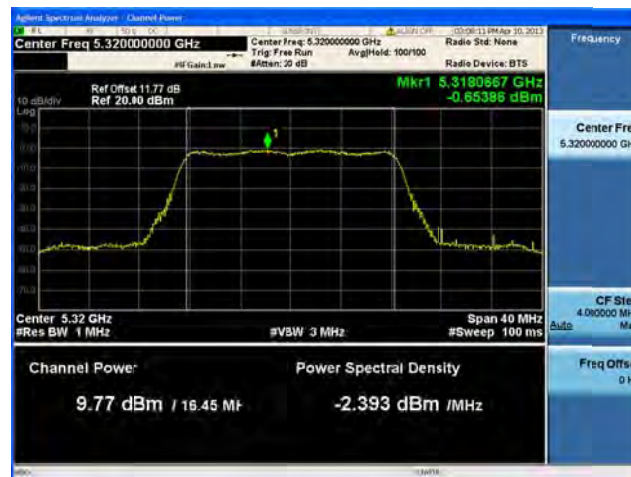
Peak Output Power / PSD, 5300 / 5320 MHz, HT/VHT40 STBC, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

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

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

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

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

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

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

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



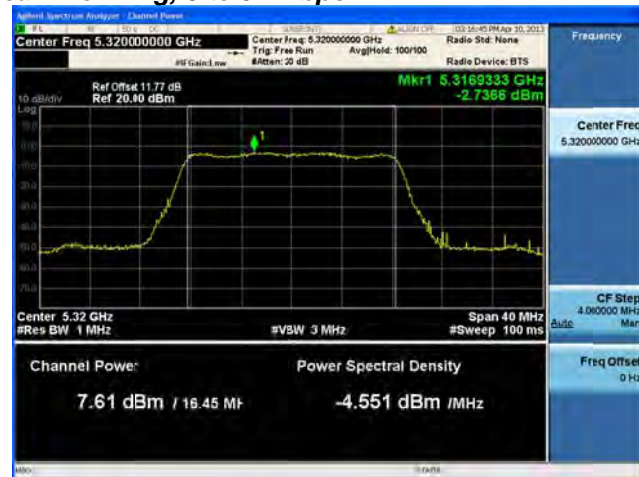
Antenna A

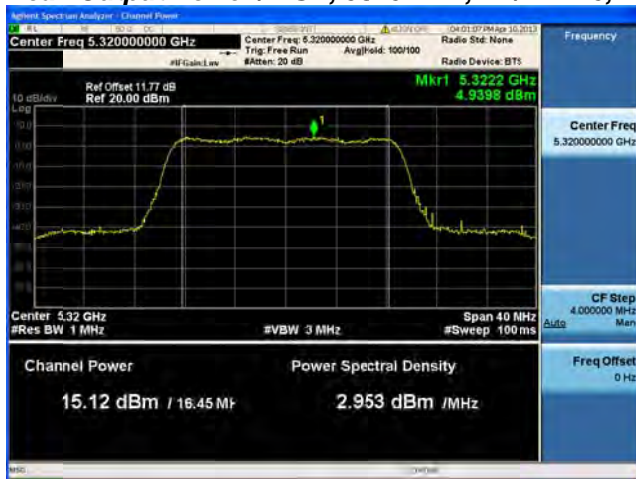


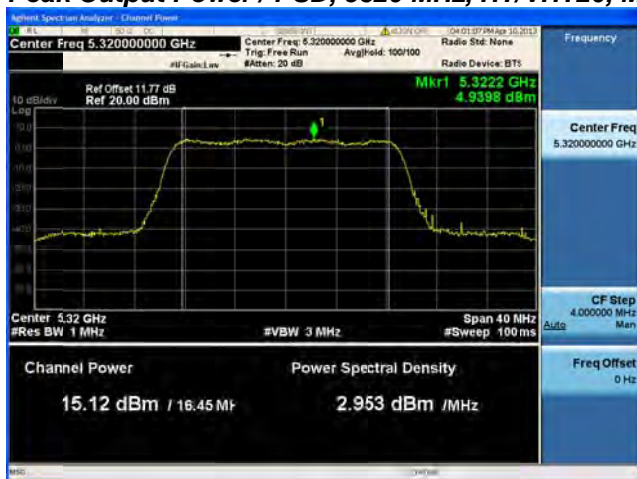
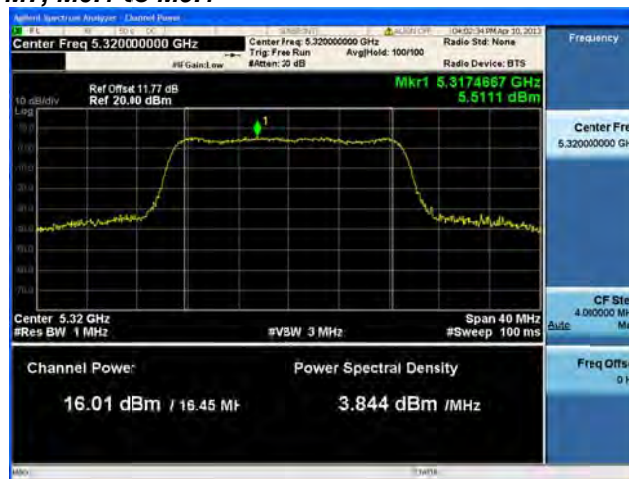
Antenna B



Antenna C

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

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

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

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

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



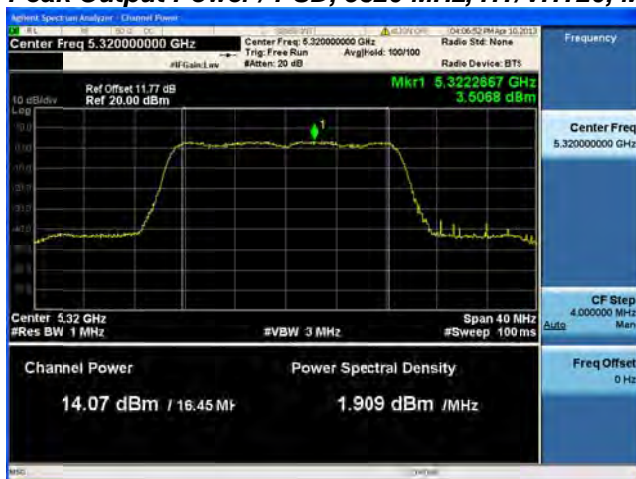
Antenna A

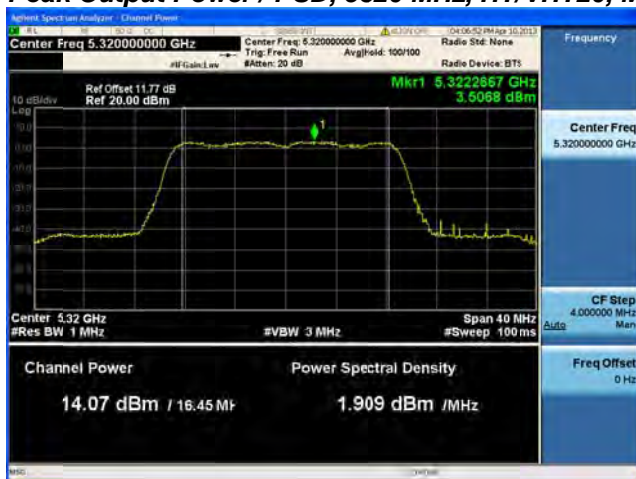


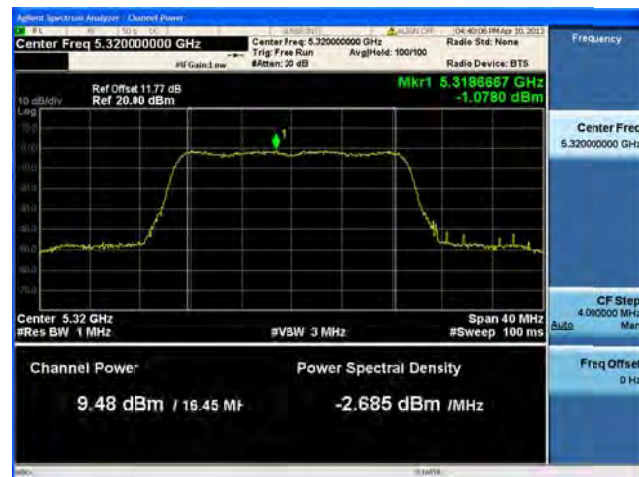
Antenna B

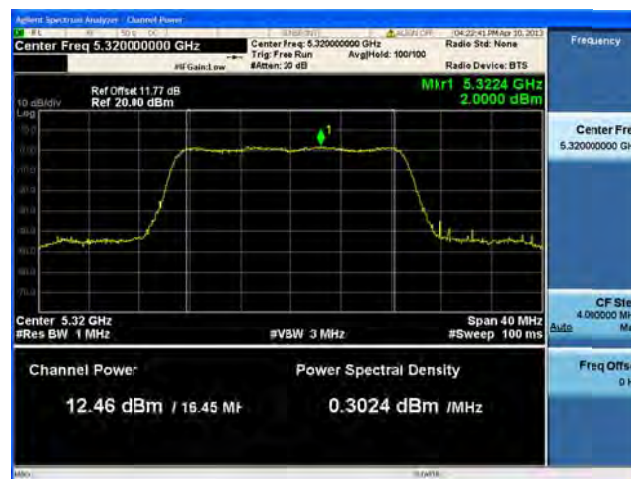


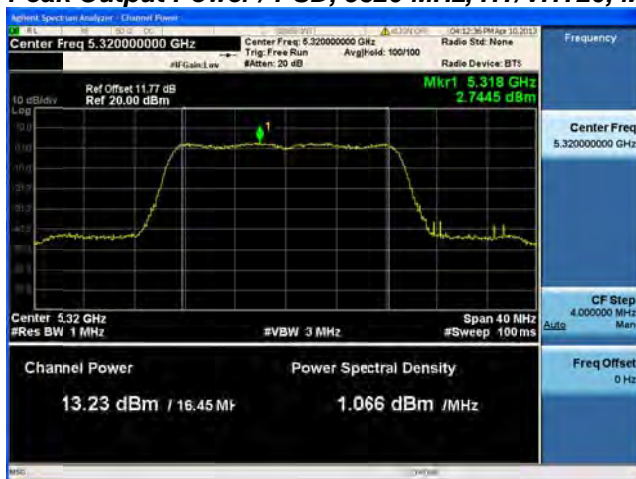
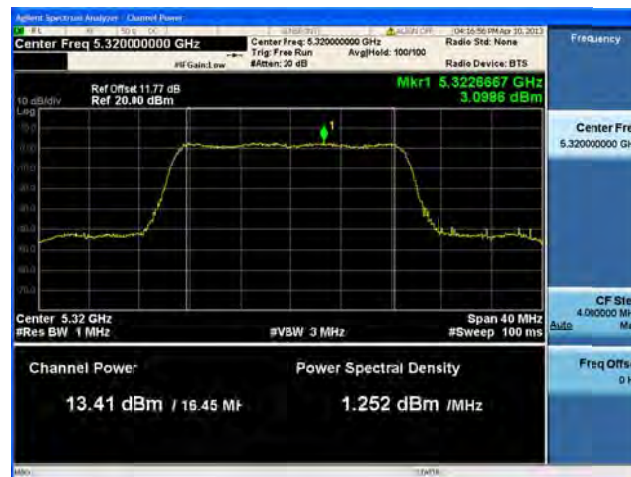
Antenna C

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

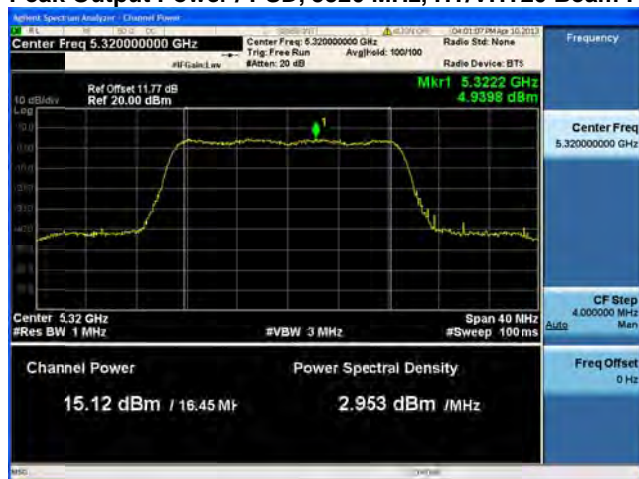
Peak Output Power / PSD, 5320 MHz, HT/VHT20, M16 to M23, M0.3 to M9.3**Antenna A****Antenna B****Antenna C**

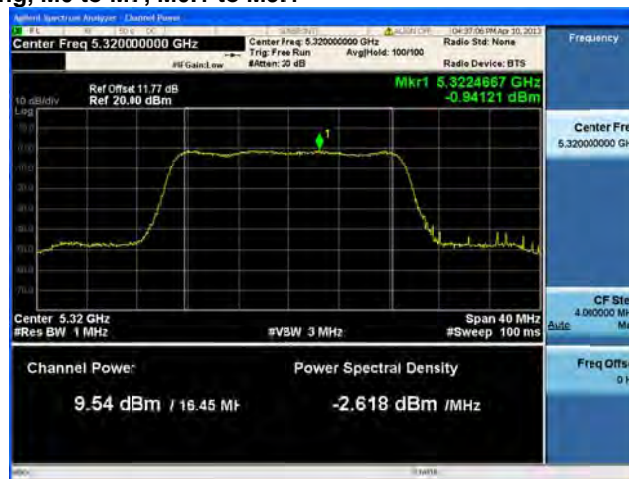
Peak Output Power / PSD, 5320 MHz, HT/VHT20, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C****Antenna D**

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

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

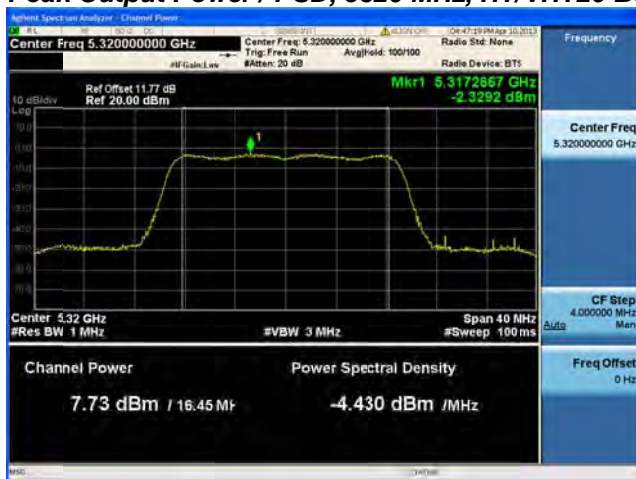
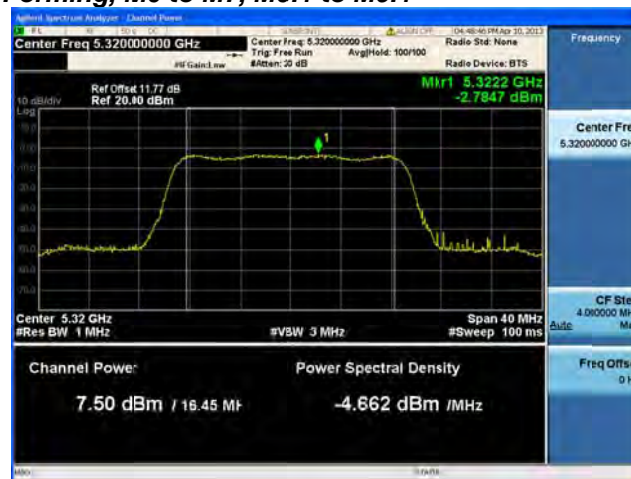
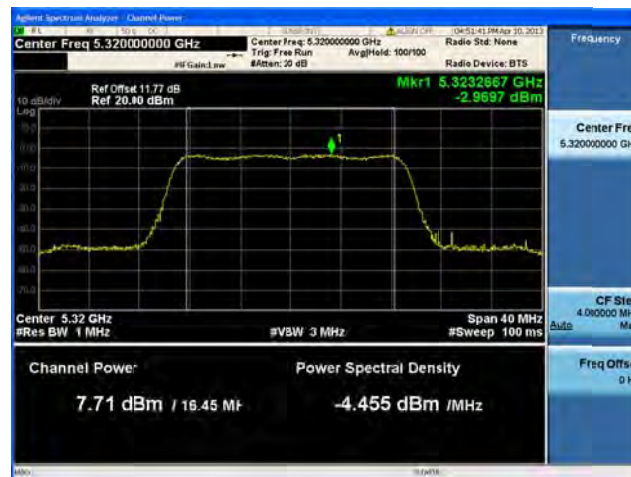
Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B**

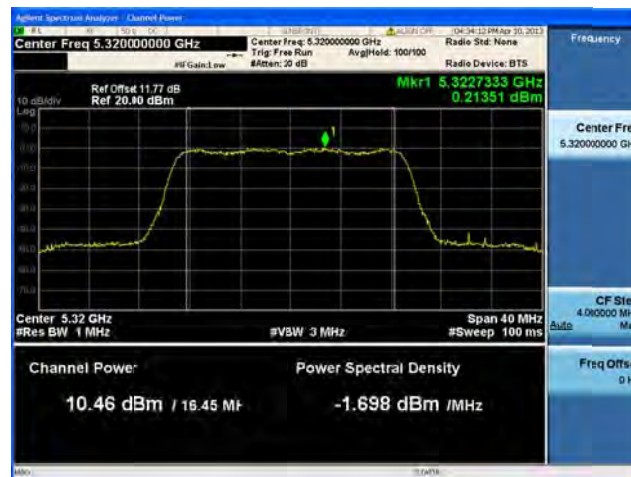
Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M8 to M15, M0.2 to M9.2**Antenna A****Antenna B**

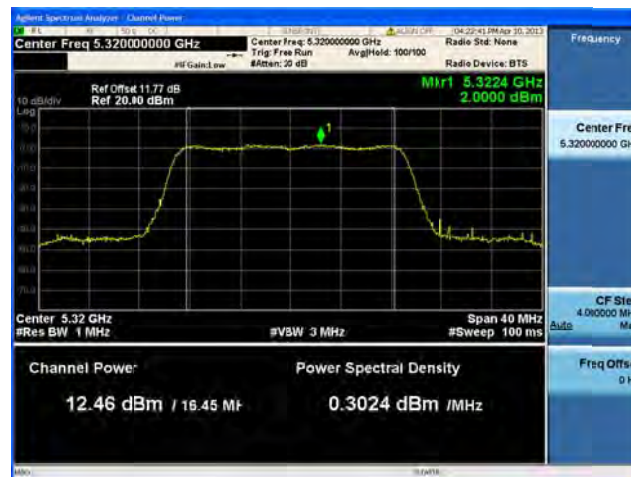
Peak Output Power / PSD, 5320 MHz, HT/VHT20 Beam Forming, M0 to M7, M0.1 to M9.1**Antenna A****Antenna B****Antenna C**

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

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

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

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

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

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