# FCC Test Report

| | |
|---|---|
| Product Name | Intel® Dual Band Wireless-AC 8260 |
| Model No | 8260D2W |
| FCC ID | PD98260D2 |

| | |
|---|---|
| Applicant | Intel Mobile Communications France SAS |
| Address | Le Navigator B 505 route des Lucioles CS 70293 06905 Sophia Antipolis cedex |

| | |
|---|---|
| Date of Receipt | Mar. 30, 2015 |
| Issued Date | May 15, 2015 |
| Report No. | 1540115R-RFUSP05V00 |
| Report Version | V1.0 |

Testing Laboratory
3023

The test results relate only to the samples tested.
The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
This report must not be used to claim product endorsement by TAF or any agency of the government.
The test report shall not be reproduced without the written approval of QuieTek Corporation.

# Test Report

Issued Date: May 15, 2015
Report No.: 1540115R-RFUSP05V00

| | |
|---|---|
| Product Name | Intel® Dual Band Wireless-AC 8260 |
| Applicant | Intel Mobile Communications France SAS |
| Address | Le Navigator B 505 route des Lucioles CS 70293 06905 Sophia Antipolis cedex |
| Manufacturer | Intel Mobile Communications France SAS |
| Model No. | 8260D2W |
| FCC ID. | PD98260D2 |
| EUT Rated Voltage | DC 3.3V |
| EUT Test Voltage | AC 120V/60Hz |
| Trade Name | Intel |
| Applicable Standard | FCC CFR Title 47 Part 15 Subpart E: 2014<br>ANSI C63.4: 2009, ANSI C63.10: 2009<br>789033 D02 General UNII Test Procedures New Rules v01 |
| Test Result | Complied |

Documented By : Rita Huang

( Senior Adm. Specialist / Rita Huang )

Tested By : Alan Chen

( Engineer / Alan Chen )

Approved By :

( Director / Vincent Lin )

# TABLE OF CONTENTS

Description Page

**1. GENERAL INFORMATION ..... 5**

1.1. EUT Description ..... 5
1.2. Operational Description ..... 8
1.3. Tested System Datails ..... 9
1.4. Configuration of tested System ..... 9
1.5. EUT Exercise Software ..... 9
1.6. Test Facility ..... 10

**2. Conducted Emission ..... 11**

2.1. Test Equipment ..... 11
2.2. Test Setup ..... 11
2.3. Limits ..... 12
2.4. Test Procedure ..... 12
2.5. Uncertainty ..... 12
2.6. Test Result of Conducted Emission ..... 13

**3. Maximun conducted output power ..... 37**

3.1. Test Equipment ..... 37
3.2. Test Setup ..... 37
3.3. Limits ..... 38
3.4. Test Procedure ..... 39
3.5. Uncertainty ..... 39
3.6. Test Result of Maximum conducted output power ..... 40

**4. Peak Power Spectral Density ..... 170**

4.1. Test Equipment ..... 170
4.2. Test Setup ..... 170
4.3. Limits ..... 170
4.4. Test Procedure ..... 171
4.5. Uncertainty ..... 171
4.6. Test Result of Peak Power Spectral Density ..... 172

**5. Radiated Emission ..... 284**

5.1. Test Equipment ..... 284
5.2. Test Setup ..... 285
5.3. Limits ..... 286
5.4. Test Procedure ..... 287
5.5. Uncertainty ..... 287
5.6. Test Result of Radiated Emission ..... 288

**6. Band Edge ..... 448**

6.1. Test Equipment ..... 448
6.2. Test Setup ..... 449
6.3. Limits ..... 450
6.4. Test Procedure ..... 450
6.5. Uncertainty ..... 451
6.6. Test Result of Band Edge ..... 452

**7. Frequency Stability ..... 568**

7.1. Test Equipment ..... 568
7.2. Test Setup ..... 568
7.3. Limits ..... 568
7.4. Test Procedure ..... 568
7.5. Uncertainty ..... 568
7.6. Test Result of Frequency Stability ..... 569

**8. EMI Reduction Method During Compliance Testing ..... 587**

Attachment 1: EUT Test Photographs
Attachment 2: EUT Detailed Photographs

# 1. GENERAL INFORMATION

## 1.1. EUT Description

| | |
|---|---|
| Product Name | Intel® Dual Band Wireless-AC 8260 |
| Trade Name | Intel |
| FCC ID. | PD98260D2 |
| Model No. | 8260D2W |
| Frequency Range | 802.11a/n-20MHz: 5180-5320MHz, 5500-5700MHz<br>802.11n-40MHz: 5190-5310, 5510-5670MHz<br>802.11ac-20MHz: 5720, 802.11ac-40MHz: 5710<br>802.11ac-80MHz: 5210-5290MHz, 5530-5690MHz |
| Number of Channels | 802.11a/n-20MHz: 19; 802.11n-40MHz: 9<br>802.11ac-20MHz: 1, 802.11ac-40MHz: 1, 802.11ac-80MHz: 5 |
| Data Rate | 802.11a: 6 - 54Mbps<br>802.11n: up to 300Mbps<br>802.11ac-80MHz: up to 866.7MHz |
| Channel Control | Auto |
| Type of Modulation | 802.11a/n:OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM |
| Antenna type | Printed on PCB Antenna |
| Antenna Gain | Refer to the table “Antenna List” |

**Antenna List**

| No. | Manufacturer | Part No. | Antenna Type | Peak Gain |
|---|---|---|---|---|
| 1 | SkyCross | N/A (Main)<br>N/A (Aux ) | PIFA | 3.64 dBi for 5.15~5.25GHz<br>3.73 dBi for 5.25~5.35GHz<br>4.77 dBi for 5.47~5.725GHz<br>4.97 dBi for 5.725~5.850GHz |

Note: The antenna of EUT is conform to FCC 15.203

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

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|---|---|
| Channel 36: | 5180 MHz | Channel 40: | 5200 MHz | Channel 44: | 5220 MHz | Channel 48: | 5240 MHz |
| Channel 52: | 5260 MHz | Channel 56: | 5280 MHz | Channel 60: | 5300 MHz | Channel 64: | 5320 MHz |
| Channel 100: | 5500 MHz | Channel 104: | 5520 MHz | Channel 108: | 5540 MHz | Channel 112: | 5560 MHz |
| Channel 116: | 5580 MHz | Channel 120: | 5600 MHz | Channel 124: | 5620 MHz | Channel 128: | 5640 MHz |
| Channel 132: | 5660 MHz | Channel 136: | 5680 MHz | Channel 140: | 5700 MHz | | |

802.11n-40MHz Center Working Frequency of Each Channel:

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|---|---|
| Channel 38: | 5190 MHz | Channel 46: | 5230 MHz | Channel 54: | 5270 MHz | Channel 62: | 5310 MHz |
| Channel 102: | 5510 MHz | Channel 110: | 5550 MHz | Channel 118: | 5590 MHz | Channel 126: | 5630 MHz |
| Channel 134: | 5670 MHz | | | | | | |

802.11ac-20MHz Center Working Frequency of Each Channel:

| Channel | Frequency |
|---|---|
| Channel 144: | 5720 MHz |

802.11ac-40MHz Center Working Frequency of Each Channel:

| Channel | Frequency |
|---|---|
| Channel 142: | 5710 MHz |

802.11ac-80MHz Center Working Frequency of Each Channel:

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---|---|---|---|---|---|---|---|
| Channel 42: | 5210 MHz | Channel 58: | 5290 MHz | Channel 106: | 5530 MHz | Channel 122: | 5610 MHz |
| Channel 138: | 5690 MHz | | | | | | |

**Duty Cycle**

If duty cycle is <98%, duty factor shall be considered.

Formula:

Duty cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

Results:

| 5GHz band | Duty Cycle | Duty Factor (dB) | 5GHz band | Duty Cycle | Duty Factor (dB) |
|---|---|---|---|---|---|
| 802.11a | 0.982 | 0.079 | 802.11ac-20 | 0.975 | 0.110 |
| 802.11n-20 | 0.98 | 0.088 | 802.11ac-40 | 0.93 | 0.315 |
| 802.11n-40 | 0.966 | 0.150 | 802.11ac-80 | 0.937 | 0.283 |

Note:

1. This device is a Intel® Dual Band Wireless-AC 8260 with a built-in 802.11a/b/g/n/ac WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart E for Unlicensed National Information Infrastructure devices.

| | |
|---|---|
| Test Mode | Mode 1 SISO A: Transmit (802.11a-6Mbps) |
| | Mode 1 SISO A: Transmit (802.11n-20BW 7.2Mbps) |
| | Mode 1 SISO A: Transmit (802.11n-40BW 15Mbps) |
| | Mode 1 SISO A: Transmit (802.11ac-20BW-7.2Mbps) |
| | Mode 1 SISO A: Transmit (802.11ac-40BW-15Mbps) |
| | Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps) |
| | Mode 2 SISO B: Transmit (802.11a-6Mbps) |
| | Mode 2 SISO B: Transmit (802.11n-20BW 7.2Mbps) |
| | Mode 2 SISO B: Transmit (802.11n-40BW 15Mbps) |
| | Mode 2 SISO B: Transmit (802.11ac-20BW-7.2Mbps) |
| | Mode 2 SISO B: Transmit (802.11ac-40BW-15Mbps) |
| | Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps) |
| | Mode 3 MIMO: Transmit (802.11n-20BW 14.4Mbps) |
| | Mode 3 MIMO: Transmit (802.11n-40BW 30Mbps) |
| | Mode 3 MIMO: Transmit (802.11ac-20BW-14.4Mbps) |
| | Mode 3 MIMO: Transmit (802.11ac-40BW-30Mbps) |
| | Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps) |
| | Mode 4 Beamforming: Transmit (802.11n-20BW 14.4Mbps) |
| | Mode 4 Beamforming: Transmit (802.11n-40BW 30Mbps) |
| | Mode 4 Beamforming: Transmit (802.11ac-20BW-14.4Mbps) |
| | Mode 4 Beamforming: Transmit (802.11ac-40BW-30Mbps) |
| | Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps) |

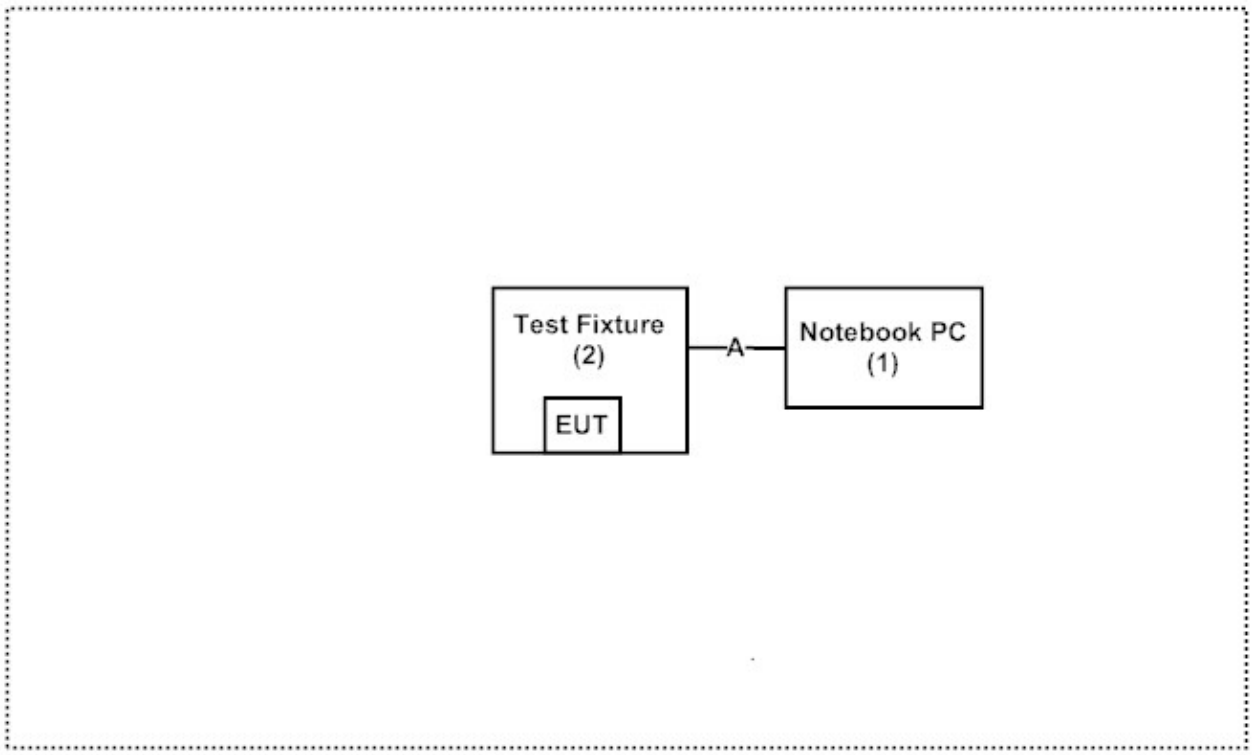
## 1.3. Tested System Datails

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

| Product | | Manufacturer | Model No. | Serial No. | Power Cord |
|---|---|---|---|---|---|
| 1 | Notebook PC | DELL | N/A | N/A | Non-Shielded, 1.8m |
| 2 | Test Fixture | Intel | N/A | N/A | N/A |

| Signal Cable Type | | Signal cable Description |
|---|---|---|
| A | Test Fixture Cable | Non-Shielded, 1.0m |

## 1.4. Configuration of tested System




## 1.5. EUT Exercise Software

(1) Setup the EUT as shown on 1.4
(2) Execute “DRTU (Ver 1.8.1-01253)” program on the EUT.
(3) Configure the test mode, the test channel, and the data rate.
(4) Start the continuous transmission.
(5) Verify that the EUT works properly.

## 1.6. Test Facility

Ambient conditions in the laboratory:

| Items | Required (IEC 68-1) | Actual |
|---|---|---|
| Temperature (°C) | 15-35 | 20-35 |
| Humidity (%RH) | 25-75 | 50-65 |
| Barometric pressure (mbar) | 860-1060 | 950-1000 |

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site : http://www.quietek.com/chinese/about/certificates.aspx?bval=5

The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : http://www.quietek.com/

Site Description: File on
Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046
Registration Number: 92195

Site Name: Quietek Corporation
Site Address: No.5-22, Ruishukeng,
Linkou Dist. New Taipei City 24451,
Taiwan, R.O.C.
TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789
E-Mail : service@quietek.com

FCC Accreditation Number: TW1014

# 2. Conducted Emission

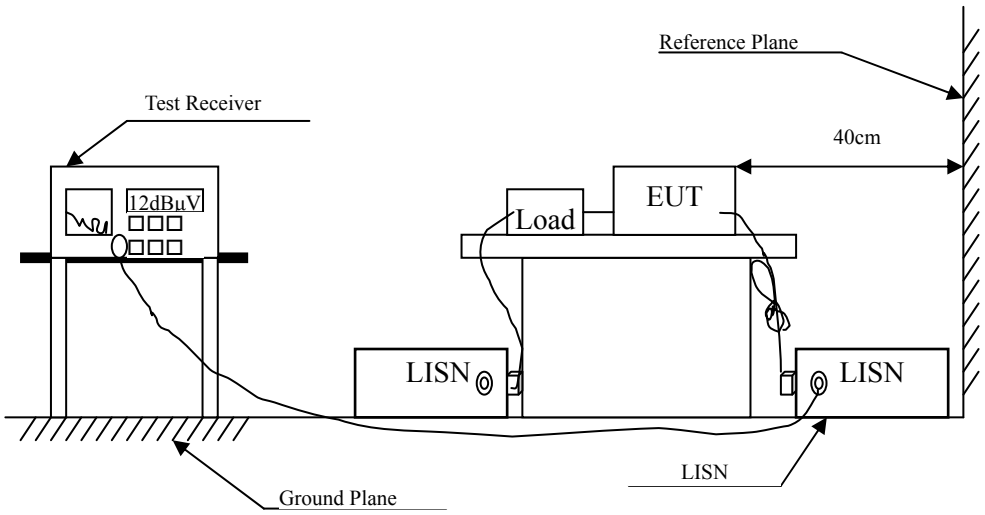
## 2.1. Test Equipment

| | Equipment | Manufacturer | Model No. / Serial No. | Last Cal. | Remark |
|---|---|---|---|---|---|
| X | Test Receiver | R & S | ESCS 30 / 825442/018 | Sep., 2014 | |
| X | Artificial Mains Network | R & S | ENV4200 / 848411/10 | Feb., 2015 | Peripherals |
| X | LISN | R & S | ESH3-Z5 / 825562/002 | Feb., 2015 | EUT |
| | DC LISN | Schwarzbeck | 8226 / 176 | Mar, 2015 | EUT |
| X | Pulse Limiter | R & S | ESH3-Z2 / 357.8810.52 | Feb., 2015 | |
| | No.1 Shielded Room | | | | |

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked by "X" are used to measure the final test results.

## 2.2. Test Setup



## 2.3. Limits

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

Remarks : In the above table, the tighter limit applies at the band edges.

## 2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)
Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2009 on conducted measurement.
Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.
The EUT was setup to ANSI C63.4, 2009; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

## 2.5. Uncertainty

± 2.26 dB

## 2.6. Test Result of Conducted Emission

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 35.570 | 45.241 | -20.759 | 66.000 |
| 0.181 | 9.662 | 33.100 | 42.762 | -22.352 | 65.114 |
| 0.548 | 9.679 | 32.550 | 42.229 | -13.771 | 56.000 |
| 1.576 | 9.745 | 20.380 | 30.125 | -25.875 | 56.000 |
| 2.322 | 9.783 | 22.640 | 32.423 | -23.577 | 56.000 |
| 18.478 | 10.048 | 10.270 | 20.318 | -39.682 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 24.050 | 33.721 | -22.279 | 56.000 |
| 0.181 | 9.662 | 23.290 | 32.952 | -22.162 | 55.114 |
| 0.548 | 9.679 | 30.520 | 40.199 | -5.801 | 46.000 |
| 1.576 | 9.745 | 13.090 | 22.835 | -23.165 | 46.000 |
| 2.322 | 9.783 | 15.190 | 24.973 | -21.027 | 46.000 |
| 18.478 | 10.048 | 1.300 | 11.348 | -38.652 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.181 | 9.662 | 31.280 | 40.942 | -24.172 | 65.114 |
| 0.212 | 9.661 | 27.940 | 37.601 | -26.628 | 64.229 |
| 0.551 | 9.680 | 31.710 | 41.390 | -14.610 | 56.000 |
| 1.986 | 9.768 | 22.380 | 32.148 | -23.852 | 56.000 |
| 2.369 | 9.784 | 22.370 | 32.154 | -23.846 | 56.000 |
| 4.220 | 9.836 | 14.470 | 24.306 | -31.694 | 56.000 |
| **Average** | | | | | |
| 0.181 | 9.662 | 19.430 | 29.092 | -26.022 | 55.114 |
| 0.212 | 9.661 | 17.480 | 27.141 | -27.088 | 54.229 |
| 0.551 | 9.680 | 28.880 | 38.560 | -7.440 | 46.000 |
| 1.986 | 9.768 | 15.290 | 25.058 | -20.942 | 46.000 |
| 2.369 | 9.784 | 14.530 | 24.314 | -21.686 | 46.000 |
| 4.220 | 9.836 | 5.210 | 15.046 | -30.954 | 46.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 35.510 | 45.181 | -20.819 | 66.000 |
| 0.244 | 9.663 | 27.860 | 37.523 | -25.791 | 63.314 |
| 0.552 | 9.680 | 32.330 | 42.010 | -13.990 | 56.000 |
| 1.552 | 9.744 | 21.870 | 31.614 | -24.386 | 56.000 |
| 2.322 | 9.783 | 22.820 | 32.603 | -23.397 | 56.000 |
| 18.646 | 10.049 | 12.620 | 22.669 | -37.331 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 24.050 | 33.721 | -22.279 | 56.000 |
| 0.244 | 9.663 | 20.040 | 29.703 | -23.611 | 53.314 |
| 0.552 | 9.680 | 28.820 | 38.500 | -7.500 | 46.000 |
| 1.552 | 9.744 | 16.450 | 26.194 | -19.806 | 46.000 |
| 2.322 | 9.783 | 14.910 | 24.693 | -21.307 | 46.000 |
| 18.646 | 10.049 | 2.290 | 12.339 | -37.661 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.154 | 9.670 | 35.710 | 45.380 | -20.506 | 65.886 |
| 0.181 | 9.662 | 31.220 | 40.882 | -24.232 | 65.114 |
| 0.552 | 9.680 | 31.460 | 41.140 | -14.860 | 56.000 |
| 1.556 | 9.744 | 20.660 | 30.404 | -25.596 | 56.000 |
| 2.318 | 9.782 | 23.000 | 32.782 | -23.218 | 56.000 |
| 18.599 | 10.169 | 12.710 | 22.879 | -37.121 | 60.000 |
| **Average** | | | | | |
| 0.154 | 9.670 | 22.390 | 32.060 | -23.826 | 55.886 |
| 0.181 | 9.662 | 19.390 | 29.052 | -26.062 | 55.114 |
| 0.552 | 9.680 | 28.070 | 37.750 | -8.250 | 46.000 |
| 1.556 | 9.744 | 14.740 | 24.484 | -21.516 | 46.000 |
| 2.318 | 9.782 | 15.170 | 24.952 | -21.048 | 46.000 |
| 18.599 | 10.169 | 3.560 | 13.729 | -36.271 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 35.690 | 45.361 | -20.639 | 66.000 |
| 0.177 | 9.663 | 27.340 | 37.003 | -28.226 | 65.229 |
| 0.552 | 9.680 | 32.270 | 41.950 | -14.050 | 56.000 |
| 1.548 | 9.744 | 21.330 | 31.074 | -24.926 | 56.000 |
| 2.353 | 9.783 | 22.550 | 32.333 | -23.667 | 56.000 |
| 4.209 | 9.835 | 16.040 | 25.875 | -30.125 | 56.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 24.150 | 33.821 | -22.179 | 56.000 |
| 0.177 | 9.663 | 16.940 | 26.603 | -28.626 | 55.229 |
| 0.552 | 9.680 | 28.350 | 38.030 | -7.970 | 46.000 |
| 1.548 | 9.744 | 15.210 | 24.954 | -21.046 | 46.000 |
| 2.353 | 9.783 | 14.860 | 24.643 | -21.357 | 46.000 |
| 4.209 | 9.835 | 7.290 | 17.125 | -28.875 | 46.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.154 | 9.670 | 35.510 | 45.180 | -20.706 | 65.886 |
| 0.185 | 9.661 | 30.900 | 40.561 | -24.439 | 65.000 |
| 0.548 | 9.679 | 31.610 | 41.289 | -14.711 | 56.000 |
| 1.580 | 9.746 | 19.610 | 29.356 | -26.644 | 56.000 |
| 2.345 | 9.783 | 22.970 | 32.753 | -23.247 | 56.000 |
| 18.353 | 10.167 | 13.850 | 24.017 | -35.983 | 60.000 |
| **Average** | | | | | |
| 0.154 | 9.670 | 22.250 | 31.920 | -23.966 | 55.886 |
| 0.185 | 9.661 | 18.960 | 28.621 | -26.379 | 55.000 |
| 0.548 | 9.679 | 29.480 | 39.159 | -6.841 | 46.000 |
| 1.580 | 9.746 | 13.150 | 22.896 | -23.104 | 46.000 |
| 2.345 | 9.783 | 15.260 | 25.043 | -20.957 | 46.000 |
| 18.353 | 10.167 | 4.000 | 14.167 | -35.833 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 36.630 | 46.301 | -19.699 | 66.000 |
| 0.177 | 9.663 | 29.360 | 39.023 | -26.206 | 65.229 |
| 0.240 | 9.663 | 26.310 | 35.973 | -27.456 | 63.429 |
| 0.552 | 9.680 | 29.970 | 39.650 | -16.350 | 56.000 |
| 2.369 | 9.784 | 20.470 | 30.254 | -25.746 | 56.000 |
| 18.697 | 10.050 | 12.360 | 22.410 | -37.590 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 29.980 | 39.651 | -16.349 | 56.000 |
| 0.177 | 9.663 | 15.770 | 25.433 | -29.796 | 55.229 |
| 0.240 | 9.663 | 20.350 | 30.013 | -23.416 | 53.429 |
| 0.552 | 9.680 | 18.660 | 28.340 | -17.660 | 46.000 |
| 2.369 | 9.784 | 17.020 | 26.804 | -19.196 | 46.000 |
| 18.697 | 10.050 | 5.180 | 15.230 | -34.770 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 35.680 | 45.351 | -20.649 | 66.000 |
| 0.181 | 9.662 | 32.480 | 42.142 | -22.972 | 65.114 |
| 0.396 | 9.671 | 18.660 | 28.331 | -30.640 | 58.971 |
| 0.552 | 9.680 | 29.970 | 39.650 | -16.350 | 56.000 |
| 2.310 | 9.782 | 20.970 | 30.752 | -25.248 | 56.000 |
| 18.232 | 10.166 | 11.500 | 21.666 | -38.334 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 27.730 | 37.401 | -18.599 | 56.000 |
| 0.181 | 9.662 | 21.390 | 31.052 | -24.062 | 55.114 |
| 0.396 | 9.671 | 13.110 | 22.781 | -26.190 | 48.971 |
| 0.552 | 9.680 | 27.090 | 36.770 | -9.230 | 46.000 |
| 2.310 | 9.782 | 11.410 | 21.192 | -24.808 | 46.000 |
| 18.232 | 10.166 | 2.530 | 12.696 | -37.304 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 36.610 | 46.281 | -19.719 | 66.000 |
| 0.181 | 9.662 | 34.090 | 43.752 | -21.362 | 65.114 |
| 0.212 | 9.661 | 31.310 | 40.971 | -23.258 | 64.229 |
| 0.556 | 9.680 | 24.350 | 34.030 | -21.970 | 56.000 |
| 2.337 | 9.783 | 20.830 | 30.613 | -25.387 | 56.000 |
| 18.943 | 10.052 | 11.390 | 21.442 | -38.558 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 20.950 | 30.621 | -25.379 | 56.000 |
| 0.181 | 9.662 | 27.290 | 36.952 | -18.162 | 55.114 |
| 0.212 | 9.661 | 20.470 | 30.131 | -24.098 | 54.229 |
| 0.556 | 9.680 | 13.440 | 23.120 | -22.880 | 46.000 |
| 2.337 | 9.783 | 12.750 | 22.533 | -23.467 | 46.000 |
| 18.943 | 10.052 | 2.340 | 12.392 | -37.608 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.158 | 9.668 | 27.920 | 37.588 | -28.183 | 65.771 |
| 0.189 | 9.660 | 22.560 | 32.220 | -32.666 | 64.886 |
| 0.552 | 9.680 | 29.000 | 38.680 | -17.320 | 56.000 |
| 0.576 | 9.681 | 28.960 | 38.641 | -17.359 | 56.000 |
| 2.369 | 9.784 | 21.070 | 30.854 | -25.146 | 56.000 |
| 19.170 | 10.184 | 13.400 | 23.584 | -36.416 | 60.000 |
| **Average** | | | | | |
| 0.158 | 9.668 | 7.460 | 17.128 | -38.643 | 55.771 |
| 0.189 | 9.660 | 5.290 | 14.950 | -39.936 | 54.886 |
| 0.552 | 9.680 | 24.550 | 34.230 | -11.770 | 46.000 |
| 0.576 | 9.681 | 24.310 | 33.991 | -12.009 | 46.000 |
| 2.369 | 9.784 | 12.100 | 21.884 | -24.116 | 46.000 |
| 19.170 | 10.184 | 4.800 | 14.984 | -35.016 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 36.610 | 46.281 | -19.719 | 66.000 |
| 0.181 | 9.662 | 34.010 | 43.672 | -21.442 | 65.114 |
| 0.212 | 9.661 | 31.310 | 40.971 | -23.258 | 64.229 |
| 0.552 | 9.680 | 30.110 | 39.790 | -16.210 | 56.000 |
| 2.029 | 9.770 | 19.480 | 29.250 | -26.750 | 56.000 |
| 19.150 | 10.054 | 13.220 | 23.274 | -36.726 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 29.680 | 39.351 | -16.649 | 56.000 |
| 0.181 | 9.662 | 23.630 | 33.292 | -21.822 | 55.114 |
| 0.212 | 9.661 | 26.340 | 36.001 | -18.228 | 54.229 |
| 0.552 | 9.680 | 24.350 | 34.030 | -11.970 | 46.000 |
| 2.029 | 9.770 | 13.850 | 23.620 | -22.380 | 46.000 |
| 19.150 | 10.054 | 5.770 | 15.824 | -34.176 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 35.870 | 45.541 | -20.459 | 66.000 |
| 0.185 | 9.661 | 30.990 | 40.651 | -24.349 | 65.000 |
| 0.216 | 9.661 | 25.800 | 35.461 | -28.653 | 64.114 |
| 0.548 | 9.679 | 30.300 | 39.979 | -16.021 | 56.000 |
| 2.306 | 9.782 | 20.710 | 30.492 | -25.508 | 56.000 |
| 19.107 | 10.184 | 12.840 | 23.024 | -36.976 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 22.960 | 32.631 | -23.369 | 56.000 |
| 0.185 | 9.661 | 23.390 | 33.051 | -21.949 | 55.000 |
| 0.216 | 9.661 | 11.330 | 20.991 | -33.123 | 54.114 |
| 0.548 | 9.679 | 25.650 | 35.329 | -10.671 | 46.000 |
| 2.306 | 9.782 | 17.060 | 26.842 | -19.158 | 46.000 |
| 19.107 | 10.184 | 9.230 | 19.414 | -30.586 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 36.690 | 46.361 | -19.639 | 66.000 |
| 0.181 | 9.662 | 34.150 | 43.812 | -21.302 | 65.114 |
| 0.548 | 9.679 | 31.510 | 41.189 | -14.811 | 56.000 |
| 0.576 | 9.681 | 30.700 | 40.381 | -15.619 | 56.000 |
| 2.048 | 9.771 | 19.360 | 29.131 | -26.869 | 56.000 |
| 18.783 | 10.051 | 12.650 | 22.701 | -37.299 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 23.810 | 33.481 | -22.519 | 56.000 |
| 0.181 | 9.662 | 21.390 | 31.052 | -24.062 | 55.114 |
| 0.548 | 9.679 | 29.720 | 39.399 | -6.601 | 46.000 |
| 0.576 | 9.681 | 29.050 | 38.731 | -7.269 | 46.000 |
| 2.048 | 9.771 | 10.620 | 20.391 | -25.609 | 46.000 |
| 18.783 | 10.051 | 2.940 | 12.991 | -37.009 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.154 | 9.670 | 35.620 | 45.290 | -20.596 | 65.886 |
| 0.185 | 9.661 | 31.070 | 40.731 | -24.269 | 65.000 |
| 0.212 | 9.661 | 28.870 | 38.531 | -25.698 | 64.229 |
| 0.545 | 9.679 | 29.670 | 39.349 | -16.651 | 56.000 |
| 2.341 | 9.783 | 21.340 | 31.123 | -24.877 | 56.000 |
| 19.357 | 10.186 | 12.490 | 22.676 | -37.324 | 60.000 |
| **Average** | | | | | |
| 0.154 | 9.670 | 17.400 | 27.070 | -28.816 | 55.886 |
| 0.185 | 9.661 | 20.470 | 30.131 | -24.869 | 55.000 |
| 0.212 | 9.661 | 14.470 | 24.131 | -30.098 | 54.229 |
| 0.545 | 9.679 | 29.330 | 39.009 | -6.991 | 46.000 |
| 2.341 | 9.783 | 11.630 | 21.413 | -24.587 | 46.000 |
| 19.357 | 10.186 | 5.790 | 15.976 | -34.024 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 36.490 | 46.161 | -19.839 | 66.000 |
| 0.248 | 9.663 | 23.300 | 32.963 | -30.237 | 63.200 |
| 0.545 | 9.679 | 30.930 | 40.609 | -15.391 | 56.000 |
| 0.576 | 9.681 | 30.620 | 40.301 | -15.699 | 56.000 |
| 2.404 | 9.784 | 20.030 | 29.814 | -26.186 | 56.000 |
| 18.802 | 10.051 | 12.650 | 22.701 | -37.299 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 22.280 | 31.951 | -24.049 | 56.000 |
| 0.248 | 9.663 | 17.740 | 27.403 | -25.797 | 53.200 |
| 0.545 | 9.679 | 28.580 | 38.259 | -7.741 | 46.000 |
| 0.576 | 9.681 | 30.410 | 40.091 | -5.909 | 46.000 |
| 2.404 | 9.784 | 11.660 | 21.444 | -24.556 | 46.000 |
| 18.802 | 10.051 | 3.870 | 13.921 | -36.079 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 36.350 | 46.021 | -19.979 | 66.000 |
| 0.185 | 9.661 | 29.970 | 39.631 | -25.369 | 65.000 |
| 0.545 | 9.679 | 29.690 | 39.369 | -16.631 | 56.000 |
| 0.580 | 9.681 | 27.590 | 37.271 | -18.729 | 56.000 |
| 2.357 | 9.783 | 21.070 | 30.853 | -25.147 | 56.000 |
| 18.818 | 10.181 | 12.370 | 22.551 | -37.449 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 22.450 | 32.121 | -23.879 | 56.000 |
| 0.185 | 9.661 | 16.300 | 25.961 | -29.039 | 55.000 |
| 0.545 | 9.679 | 28.840 | 38.519 | -7.481 | 46.000 |
| 0.580 | 9.681 | 21.150 | 30.831 | -15.169 | 46.000 |
| 2.357 | 9.783 | 12.170 | 21.953 | -24.047 | 46.000 |
| 18.818 | 10.181 | 6.010 | 16.191 | -33.809 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.154 | 9.670 | 35.890 | 45.560 | -20.326 | 65.886 |
| 0.177 | 9.663 | 31.010 | 40.673 | -24.556 | 65.229 |
| 0.552 | 9.680 | 27.150 | 36.830 | -19.170 | 56.000 |
| 0.576 | 9.681 | 30.800 | 40.481 | -15.519 | 56.000 |
| 2.099 | 9.774 | 19.560 | 29.334 | -26.666 | 56.000 |
| 18.791 | 10.051 | 12.470 | 22.521 | -37.479 | 60.000 |
| **Average** | | | | | |
| 0.154 | 9.670 | 24.710 | 34.380 | -21.506 | 55.886 |
| 0.177 | 9.663 | 20.470 | 30.133 | -25.096 | 55.229 |
| 0.552 | 9.680 | 14.780 | 24.460 | -21.540 | 46.000 |
| 0.576 | 9.681 | 29.750 | 39.431 | -6.569 | 46.000 |
| 2.099 | 9.774 | 12.900 | 22.674 | -23.326 | 46.000 |
| 18.791 | 10.051 | 2.790 | 12.841 | -37.159 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 3 MIMO: Transmit (802.11ac-80BW-65Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.154 | 9.670 | 34.720 | 44.390 | -21.496 | 65.886 |
| 0.177 | 9.663 | 30.090 | 39.753 | -25.476 | 65.229 |
| 0.185 | 9.661 | 29.200 | 38.861 | -26.139 | 65.000 |
| 0.568 | 9.680 | 28.770 | 38.450 | -17.550 | 56.000 |
| 2.408 | 9.785 | 20.670 | 30.455 | -25.545 | 56.000 |
| 18.853 | 10.181 | 11.710 | 21.891 | -38.109 | 60.000 |
| **Average** | | | | | |
| 0.154 | 9.670 | 25.610 | 35.280 | -20.606 | 55.886 |
| 0.177 | 9.663 | 19.790 | 29.453 | -25.776 | 55.229 |
| 0.185 | 9.661 | 13.260 | 22.921 | -32.079 | 55.000 |
| 0.568 | 9.680 | 19.850 | 29.530 | -16.470 | 46.000 |
| 2.408 | 9.785 | 16.770 | 26.555 | -19.445 | 46.000 |
| 18.853 | 10.181 | 2.000 | 12.181 | -37.819 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 37.900 | 47.571 | -18.429 | 66.000 |
| 0.177 | 9.663 | 32.320 | 41.983 | -23.246 | 65.229 |
| 0.209 | 9.661 | 30.580 | 40.241 | -24.073 | 64.314 |
| 0.572 | 9.681 | 31.290 | 40.971 | -15.029 | 56.000 |
| 1.986 | 9.768 | 20.140 | 29.908 | -26.092 | 56.000 |
| 18.533 | 10.048 | 11.230 | 21.278 | -38.722 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 22.700 | 32.371 | -23.629 | 56.000 |
| 0.177 | 9.663 | 24.960 | 34.623 | -20.606 | 55.229 |
| 0.209 | 9.661 | 19.370 | 29.031 | -25.283 | 54.314 |
| 0.572 | 9.681 | 29.290 | 38.971 | -7.029 | 46.000 |
| 1.986 | 9.768 | 11.060 | 20.828 | -25.172 | 46.000 |
| 18.533 | 10.048 | 2.410 | 12.458 | -37.542 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps) (5210MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.185 | 9.661 | 29.440 | 39.101 | -25.899 | 65.000 |
| 0.392 | 9.671 | 19.060 | 28.731 | -30.355 | 59.086 |
| 0.545 | 9.679 | 29.360 | 39.039 | -16.961 | 56.000 |
| 0.572 | 9.681 | 30.030 | 39.711 | -16.289 | 56.000 |
| 2.404 | 9.784 | 20.390 | 30.174 | -25.826 | 56.000 |
| 18.584 | 10.169 | 10.480 | 20.649 | -39.351 | 60.000 |
| **Average** | | | | | |
| 0.185 | 9.661 | 11.860 | 21.521 | -33.479 | 55.000 |
| 0.392 | 9.671 | 11.850 | 21.521 | -27.565 | 49.086 |
| 0.545 | 9.679 | 25.880 | 35.559 | -10.441 | 46.000 |
| 0.572 | 9.681 | 29.600 | 39.281 | -6.719 | 46.000 |
| 2.404 | 9.784 | 16.690 | 26.474 | -19.526 | 46.000 |
| 18.584 | 10.169 | 1.340 | 11.509 | -38.491 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 37.940 | 47.611 | -18.389 | 66.000 |
| 0.181 | 9.662 | 34.940 | 44.602 | -20.512 | 65.114 |
| 0.548 | 9.679 | 29.520 | 39.199 | -16.801 | 56.000 |
| 0.572 | 9.681 | 31.130 | 40.811 | -15.189 | 56.000 |
| 2.365 | 9.784 | 20.530 | 30.314 | -25.686 | 56.000 |
| 19.064 | 10.053 | 11.700 | 21.753 | -38.247 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 22.790 | 32.461 | -23.539 | 56.000 |
| 0.181 | 9.662 | 29.790 | 39.452 | -15.662 | 55.114 |
| 0.548 | 9.679 | 21.590 | 31.269 | -14.731 | 46.000 |
| 0.572 | 9.681 | 27.820 | 37.501 | -8.499 | 46.000 |
| 2.365 | 9.784 | 14.200 | 23.984 | -22.016 | 46.000 |
| 19.064 | 10.053 | 1.860 | 11.913 | -38.087 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps) (5530MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 37.400 | 47.071 | -18.929 | 66.000 |
| 0.181 | 9.662 | 33.670 | 43.332 | -21.782 | 65.114 |
| 0.545 | 9.679 | 29.440 | 39.119 | -16.881 | 56.000 |
| 0.576 | 9.681 | 29.100 | 38.781 | -17.219 | 56.000 |
| 2.111 | 9.775 | 19.950 | 29.725 | -26.275 | 56.000 |
| 19.138 | 10.184 | 11.460 | 21.644 | -38.356 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 21.050 | 30.721 | -25.279 | 56.000 |
| 0.181 | 9.662 | 17.140 | 26.802 | -28.312 | 55.114 |
| 0.545 | 9.679 | 28.190 | 37.869 | -8.131 | 46.000 |
| 0.576 | 9.681 | 28.460 | 38.141 | -7.859 | 46.000 |
| 2.111 | 9.775 | 10.230 | 20.005 | -25.995 | 46.000 |
| 19.138 | 10.184 | 3.400 | 13.584 | -36.416 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 1
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 1** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.154 | 9.670 | 35.720 | 45.390 | -20.496 | 65.886 |
| 0.181 | 9.662 | 34.980 | 44.642 | -20.472 | 65.114 |
| 0.545 | 9.679 | 30.680 | 40.359 | -15.641 | 56.000 |
| 0.572 | 9.681 | 31.330 | 41.011 | -14.989 | 56.000 |
| 2.072 | 9.773 | 19.740 | 29.513 | -26.487 | 56.000 |
| 18.599 | 10.049 | 11.270 | 21.319 | -38.681 | 60.000 |
| **Average** | | | | | |
| 0.154 | 9.670 | 21.730 | 31.400 | -24.486 | 55.886 |
| 0.181 | 9.662 | 30.170 | 39.832 | -15.282 | 55.114 |
| 0.545 | 9.679 | 29.250 | 38.929 | -7.071 | 46.000 |
| 0.572 | 9.681 | 29.370 | 39.051 | -6.949 | 46.000 |
| 2.072 | 9.773 | 11.370 | 21.143 | -24.857 | 46.000 |
| 18.599 | 10.049 | 3.500 | 13.549 | -36.451 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Conducted Emission Test
Power Line : Line 2
Test Mode : Mode 4 Beamforming: Transmit (802.11ac-80BW-65Mbps) (5610MHz)

| Frequency | Correct Factor | Reading Level | Measurement Level | Margin | Limit |
|---|---|---|---|---|---|
| MHz | dB | dBµV | dBµV | dB | dBµV |
| **LINE 2** | | | | | |
| **Quasi-Peak** | | | | | |
| 0.150 | 9.671 | 37.480 | 47.151 | -18.849 | 66.000 |
| 0.181 | 9.662 | 33.790 | 43.452 | -21.662 | 65.114 |
| 0.212 | 9.661 | 29.540 | 39.201 | -25.028 | 64.229 |
| 0.548 | 9.679 | 28.350 | 38.029 | -17.971 | 56.000 |
| 2.013 | 9.769 | 19.970 | 29.739 | -26.261 | 56.000 |
| 19.357 | 10.186 | 11.760 | 21.946 | -38.054 | 60.000 |
| **Average** | | | | | |
| 0.150 | 9.671 | 26.950 | 36.621 | -19.379 | 56.000 |
| 0.181 | 9.662 | 15.080 | 24.742 | -30.372 | 55.114 |
| 0.212 | 9.661 | 13.850 | 23.511 | -30.718 | 54.229 |
| 0.548 | 9.679 | 21.390 | 31.069 | -14.931 | 46.000 |
| 2.013 | 9.769 | 14.330 | 24.099 | -21.901 | 46.000 |
| 19.357 | 10.186 | 6.210 | 16.396 | -33.604 | 50.000 |

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "  " means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

# 3. Maximun conducted output power

## 3.1. Test Equipment

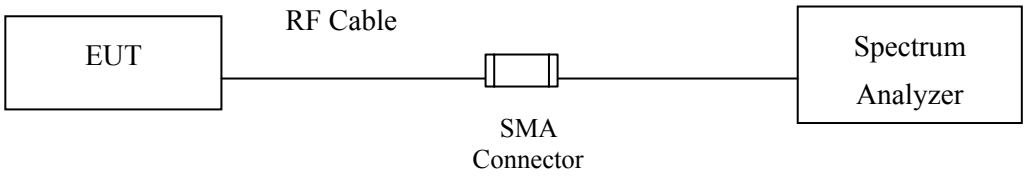
| | Equipment | Manufacturer | Model No./Serial No. | Last Cal. |
|---|---|---|---|---|
| X | Power Meter | Anritsu | ML2495A/6K00003357 | May, 2015 |
| X | Power Sensor | Anritsu | MA2411B/0738448 | Jun., 2014 |
| X | Spectrum Analyzer | Agilent | N9010A / MY48030495 | Apr., 2015 |

Note:

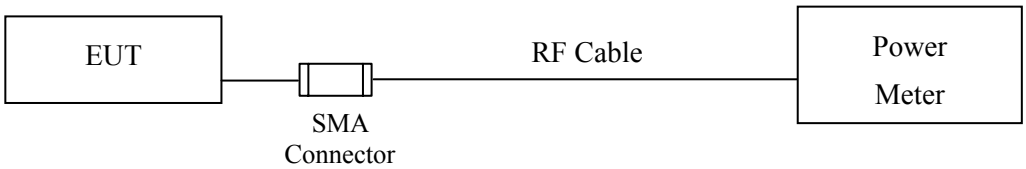
1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

## 3.2. Test Setup

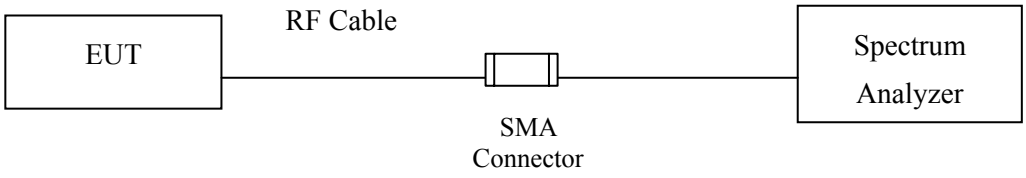
**99% Occupied Bandwidth**




**Conduction Power Measurement (for 802.11an)**




**Conduction Power Measurement (for 802.11ac)**



## 3.3. Limits

3.3.1. For the band 5.15-5.25 GHz,

**(i)** For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. provided the maximum antenna gain does not exceed 6 dBi. 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 maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

**(ii)** For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition. 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.

**(iii)** For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-topoint U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

**(iv)** For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition. 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.

3.3.2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz. 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.

3.3.3. For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition. 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. However, fixed point-to-point UNII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any

corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

## 3.4. Test Procedure

As an alternative to FCC KDB-789033, the EUT maximum conducted output power was measured with an average power meter employing a video bandwidth greater the 6dB BW of the emission under test. Maximum conducted output power was read directly from the meter across all data rates, and across three channels within each sub-band. Special care was used to make sure that the EUT was transmitting in continuous mode. This method exceeds the limitations of FCC KDB-789033, and provides more accurate measurements.

802.11an (BW≦40MHz) Maximum conducted output power using KDB 789033 section E)3)b) Method PM-G (Measurement using a gated RF average power meter)
*Note: the power meter have a video bandwidth that is greater than or equal to the measurement bandwidth, (Anritsu/ MA2411B video bandwidth: 65MHz)*

802.11ac (BW=80MHz) Maximum conducted output power using KDB 789033 section E)2)b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep).

When transmitted signals consist of two or more non-contiguous spectrum segments (e.g., 80+80 MHz mode) or when a single spectrum segment of a transmission crosses the boundary between two adjacent U-NII bands, KDB 644545 D01 section F) procedure is used for measurements.

## 3.5. Uncertainty

Power sensor/meter method: ± 0.517 dB

Spectrum analyzer method: ± 1.27 dB

## 3.6. Test Result of Maximum conducted output power

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit (802.11a-6Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 6 | 9 | 12 | 18 | 24 | 36 | 48 | 54 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 20.18 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 44 | 5220 | 21.16 | 21.03 | 20.94 | 20.83 | 20.76 | 20.68 | 20.53 | 20.41 | <24dBm |
| 48 | 5240 | 21.31 | | | | | | | | <24dBm |
| 52 | 5260 | 21.33 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 21.2 | 21.17 | 21.08 | 20.93 | 20.87 | 20.71 | 20.63 | 20.55 | <24dBm |
| 64 | 5320 | 18.31 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 19.26 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 21.33 | 21.22 | 21.17 | 21.02 | 20.95 | 20.84 | 20.77 | 20.63 | <24dBm |
| 140 | 5700 | 21.21 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

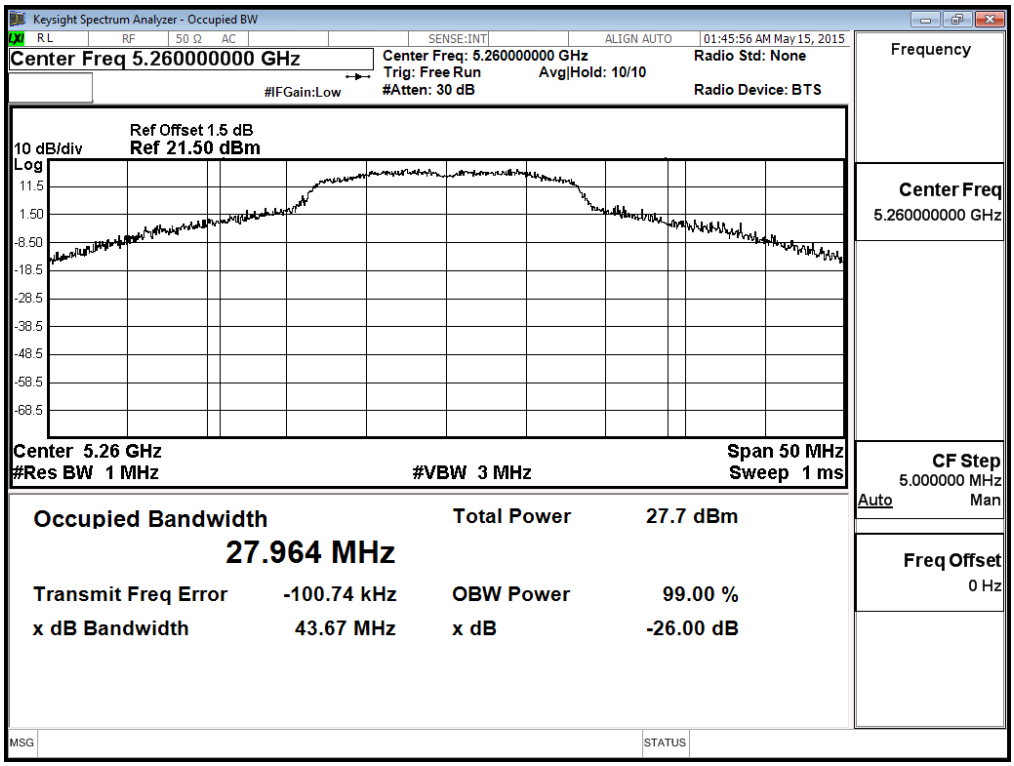
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

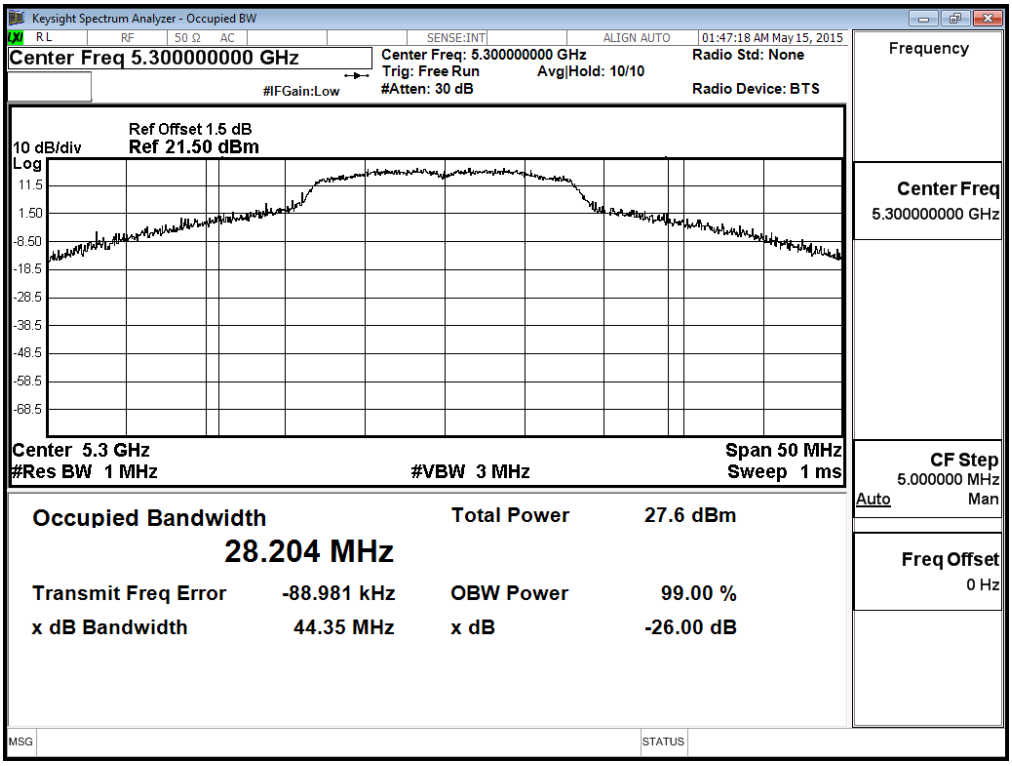
| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 36 | 5180 | -- | 20.18 | 0.079 | 20.259 | 24 | -- |
| 44 | 5220 | -- | 21.16 | 0.079 | 21.239 | 24 | -- |
| 48 | 5240 | -- | 21.31 | 0.079 | 21.389 | 24 | -- |
| 52 | 5260 | 27.964 | 21.33 | 0.079 | 21.409 | 24 | 25.47 |
| 60 | 5300 | 28.204 | 21.2 | 0.079 | 21.279 | 24 | 25.50 |
| 64 | 5320 | 19.701 | 18.31 | 0.079 | 18.389 | 24 | 23.94 |
| 100 | 5500 | 19.904 | 19.26 | 0.079 | 19.339 | 24 | 23.99 |
| 116 | 5580 | 27.504 | 21.33 | 0.079 | 21.409 | 24 | 25.39 |
| 140 | 5700 | 26.417 | 21.21 | 0.079 | 21.289 | 24 | 25.22 |

Note: Total Output Power Value = Output Power value + Duty Factor

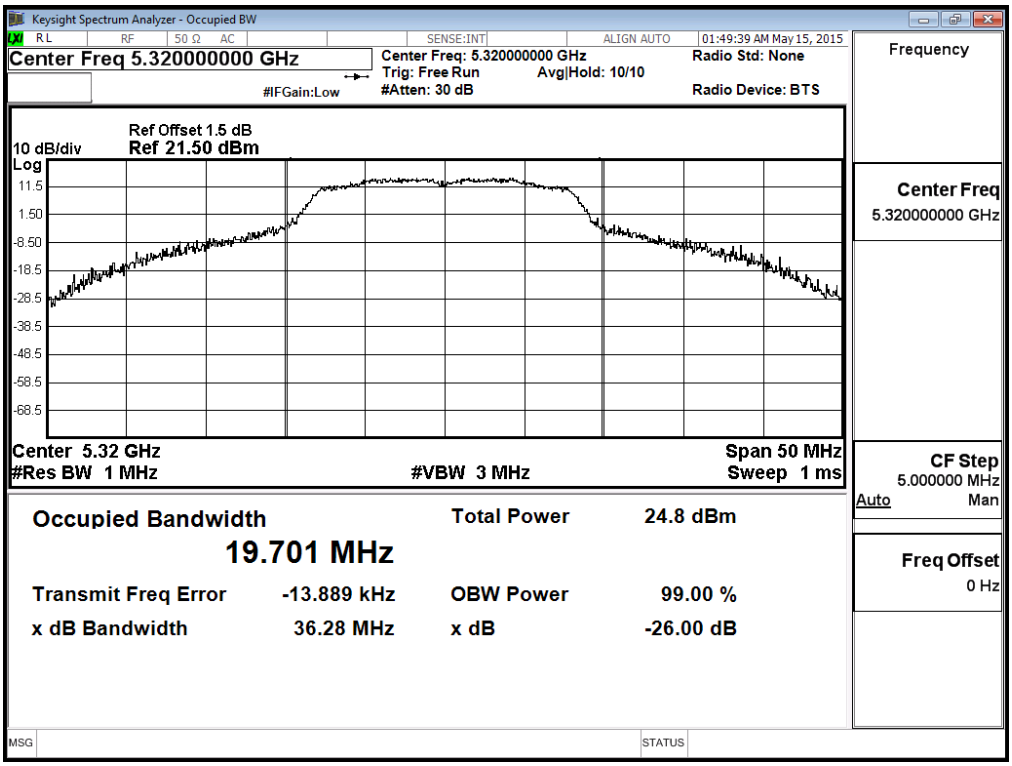
**99% Occupied Bandwidth:**
**Channel 52:**



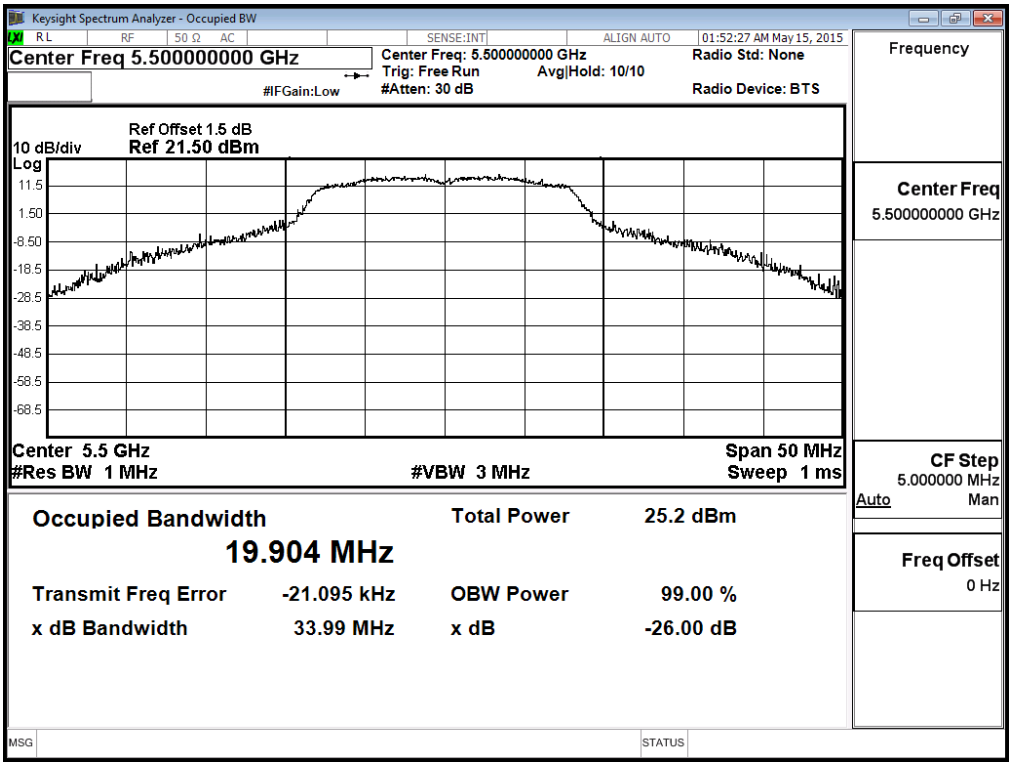

**Channel 60:**



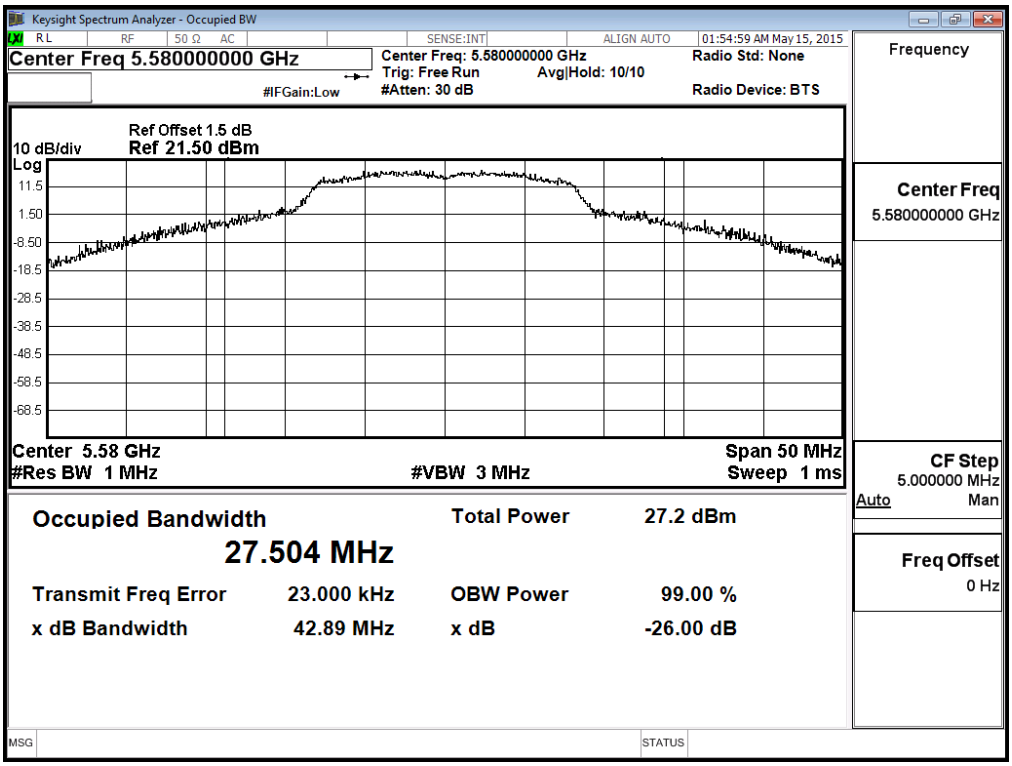
**Channel 64:**



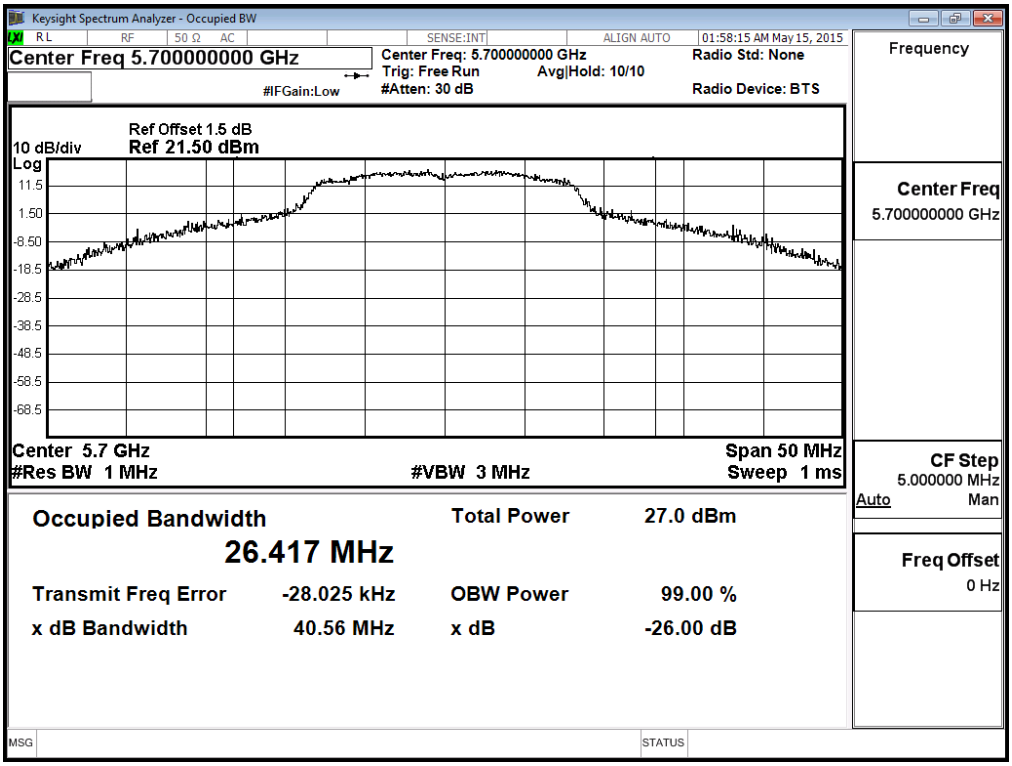

**Channel 100:**



**Channel 116:**




**Channel 140:**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit (802.11n-20BW 7.2Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 14.4 | 28.9 | 43.3 | 57.8 | 86.7 | 115.6 | 130 | 144.4 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 19.86 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 44 | 5220 | 21.33 | 21.25 | 21.11 | 21.06 | 20.96 | 20.84 | 20.73 | 20.63 | <30dBm |
| 48 | 5240 | 21.35 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 52 | 5260 | 21.33 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 21.18 | 21.06 | 20.95 | 20.83 | 20.74 | 20.66 | 20.52 | 20.44 | <24dBm |
| 64 | 5320 | 17.99 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 18.44 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 21.31 | 21.28 | 21.16 | 21.08 | 20.96 | 20.84 | 20.77 | 20.62 | <24dBm |
| 140 | 5700 | 16.12 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

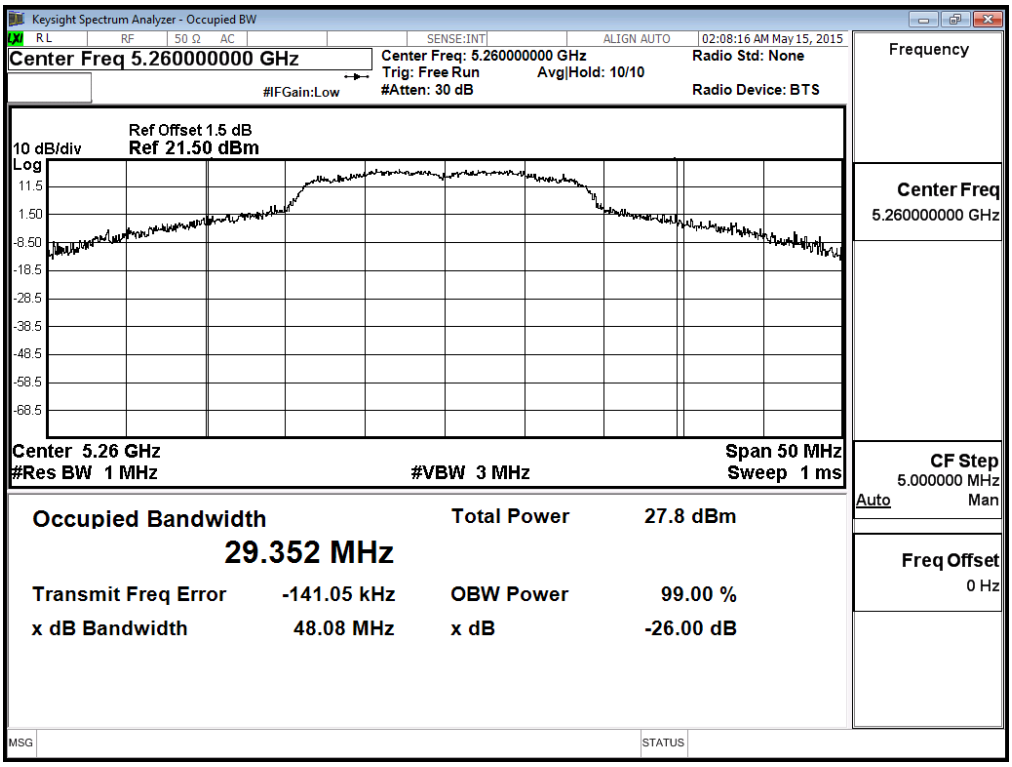
**Maximum conducted output power Measurement:**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 36 | 5180 | -- | 19.86 | 0.088 | 19.948 | 24 | -- |
| 44 | 5220 | -- | 21.33 | 0.088 | 21.418 | 24 | -- |
| 48 | 5240 | -- | 21.35 | 0.088 | 21.438 | 24 | -- |
| 52 | 5260 | 29.352 | 21.33 | 0.088 | 21.418 | 24 | 25.68 |
| 60 | 5300 | 29.652 | 21.18 | 0.088 | 21.268 | 24 | 25.72 |
| 64 | 5320 | 19.908 | 17.99 | 0.088 | 18.078 | 24 | 23.99 |
| 100 | 5500 | 19.894 | 18.44 | 0.088 | 18.528 | 24 | 23.99 |
| 116 | 5580 | 28.738 | 21.31 | 0.088 | 21.398 | 24 | 25.58 |
| 140 | 5700 | 18.496 | 16.12 | 0.088 | 16.208 | 24 | 23.67 |

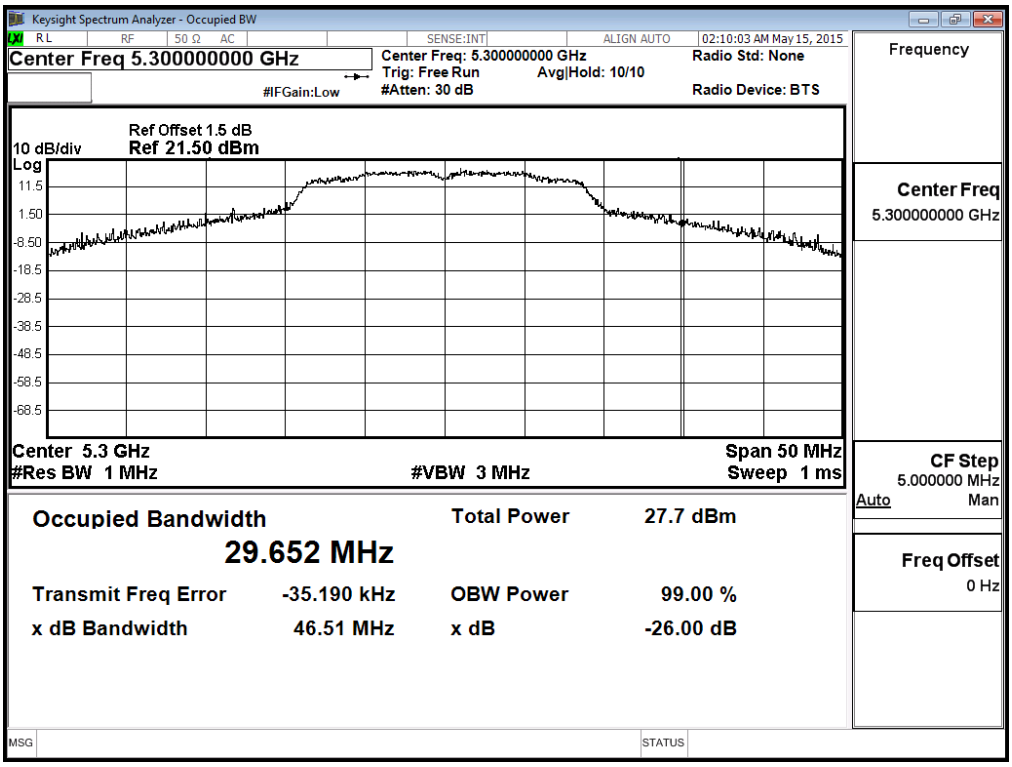
Note: Total Output Power Value = Output Power value + Duty Factor

**99% Occupied Bandwidth:**

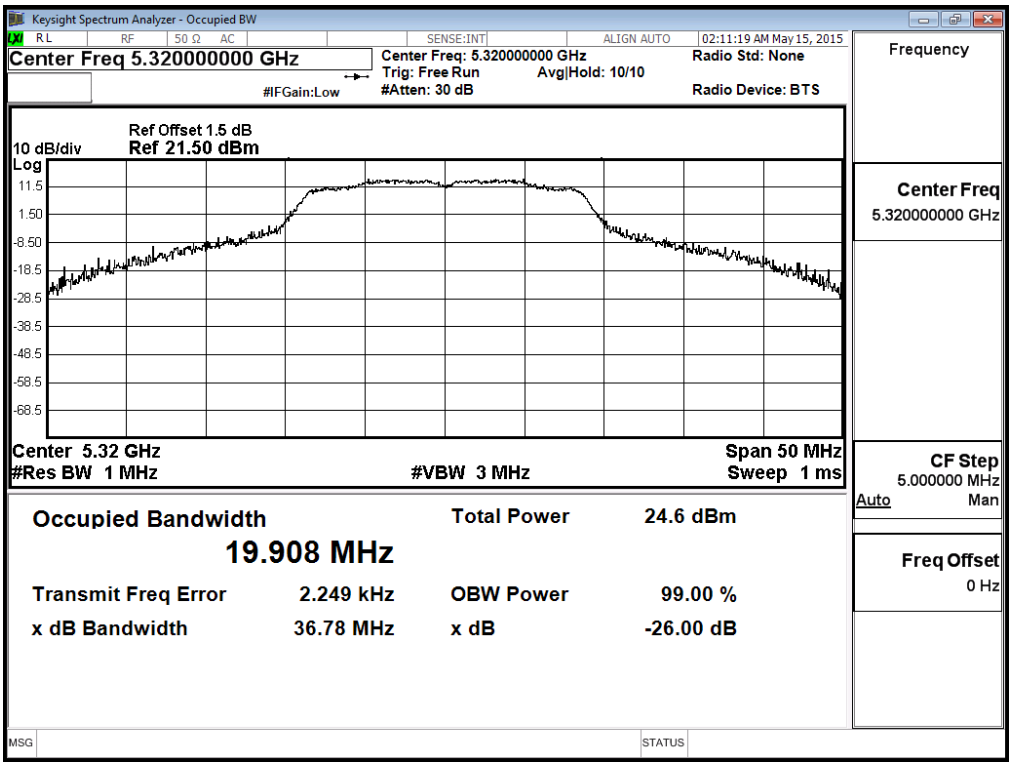
**Channel 52**



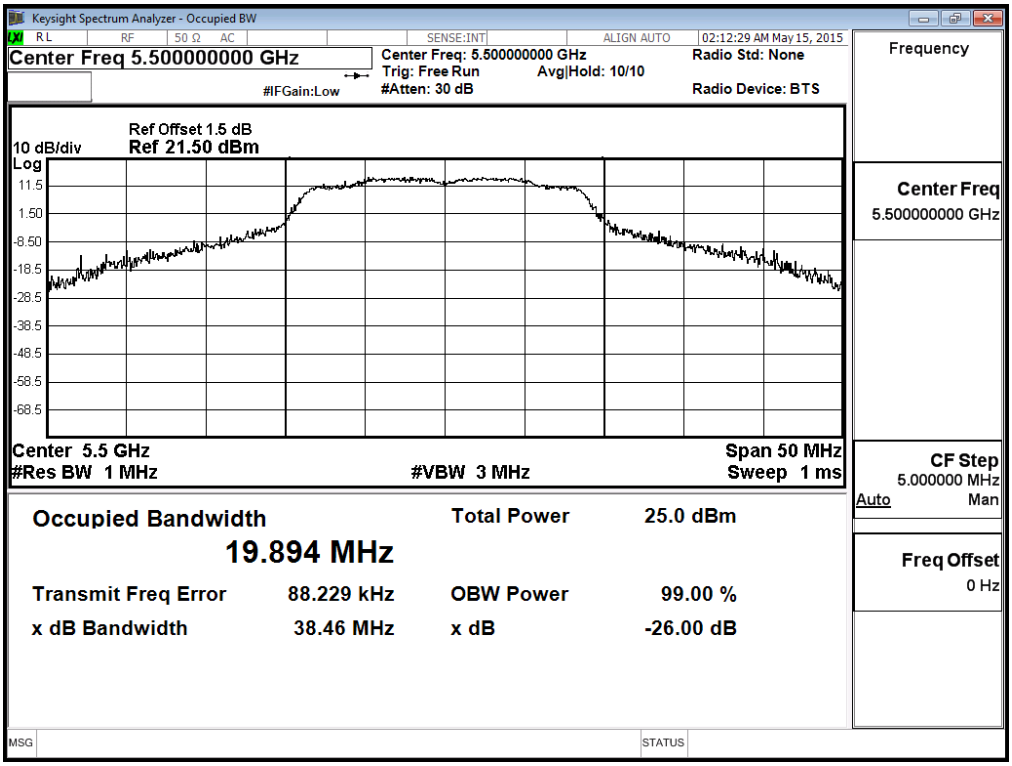

**Channel 60**



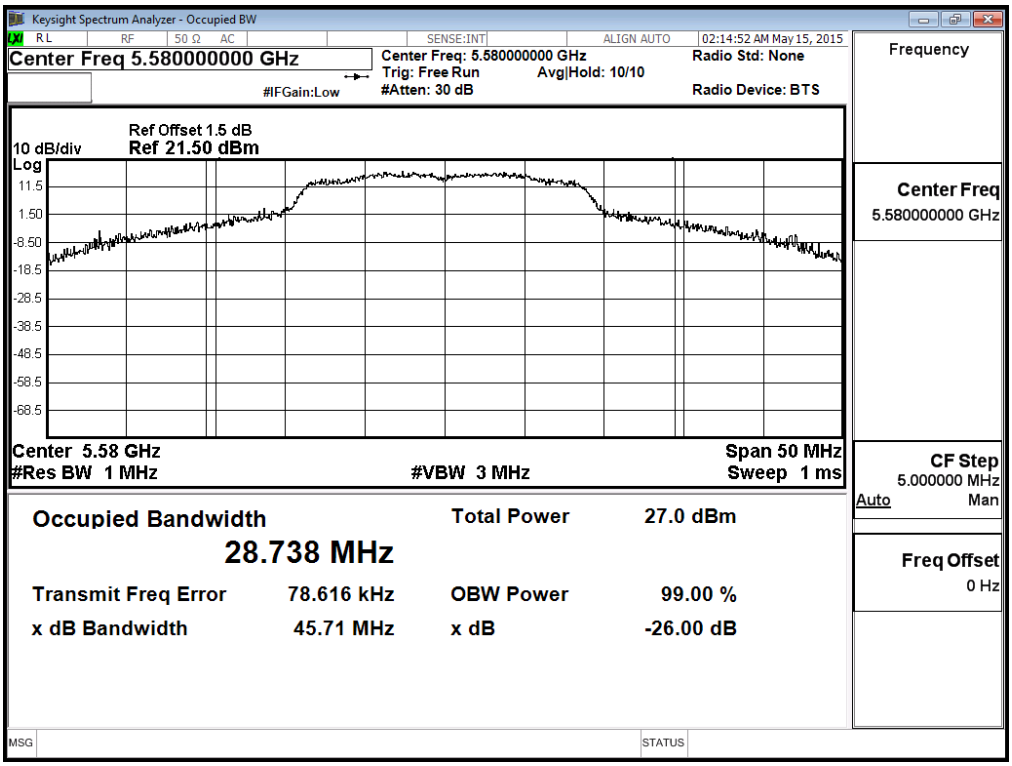
## Channel 64



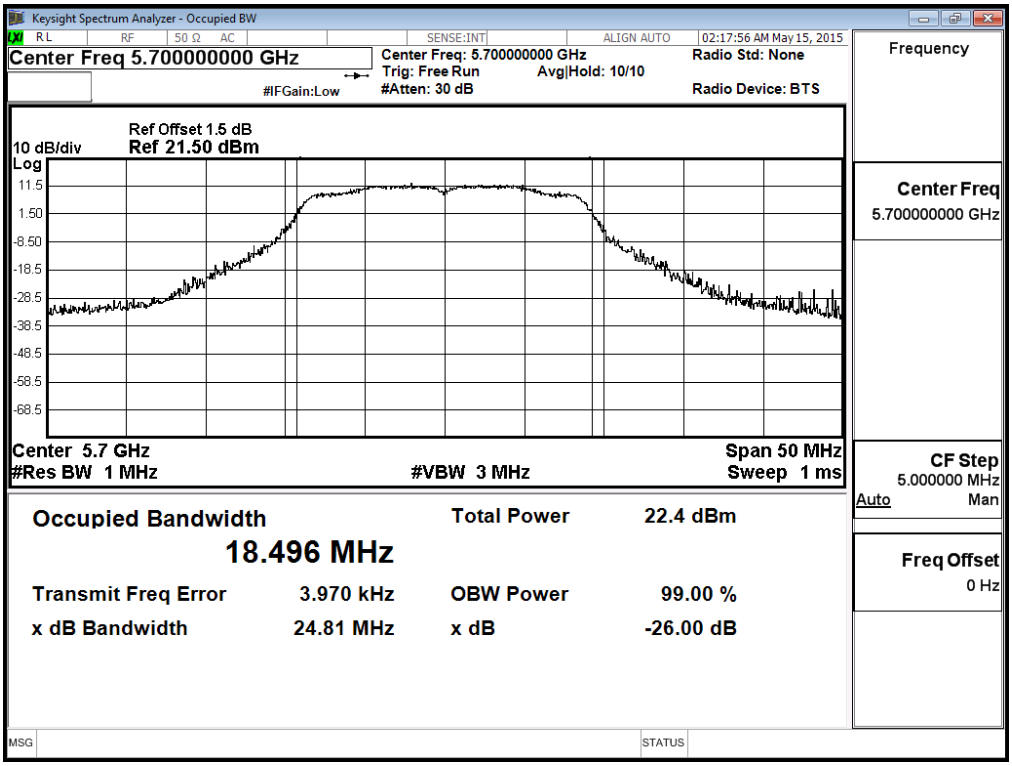

## Channel 100



## Channel 116




## Channel 140



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit (802.11n-40BW 15Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 30 | 60 | 90 | 120 | 180 | 240 | 270 | 300 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 38 | 5190 | 18.21 | 18.15 | 18.06 | 17.94 | 17.85 | 17.76 | 17.63 | 17.55 | <30dBm |
| 46 | 5230 | 21.23 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 54 | 5270 | 21.12 | 21.05 | 20.93 | 20.82 | 20.74 | 20.66 | 20.58 | 20.42 | <24dBm |
| 62 | 5310 | 16.42 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 102 | 5510 | 16.51 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 110 | 5550 | 21.29 | 21.11 | 21.04 | 20.97 | 20.83 | 20.74 | 20.65 | 20.58 | <24dBm |
| 134 | 5670 | 21.24 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

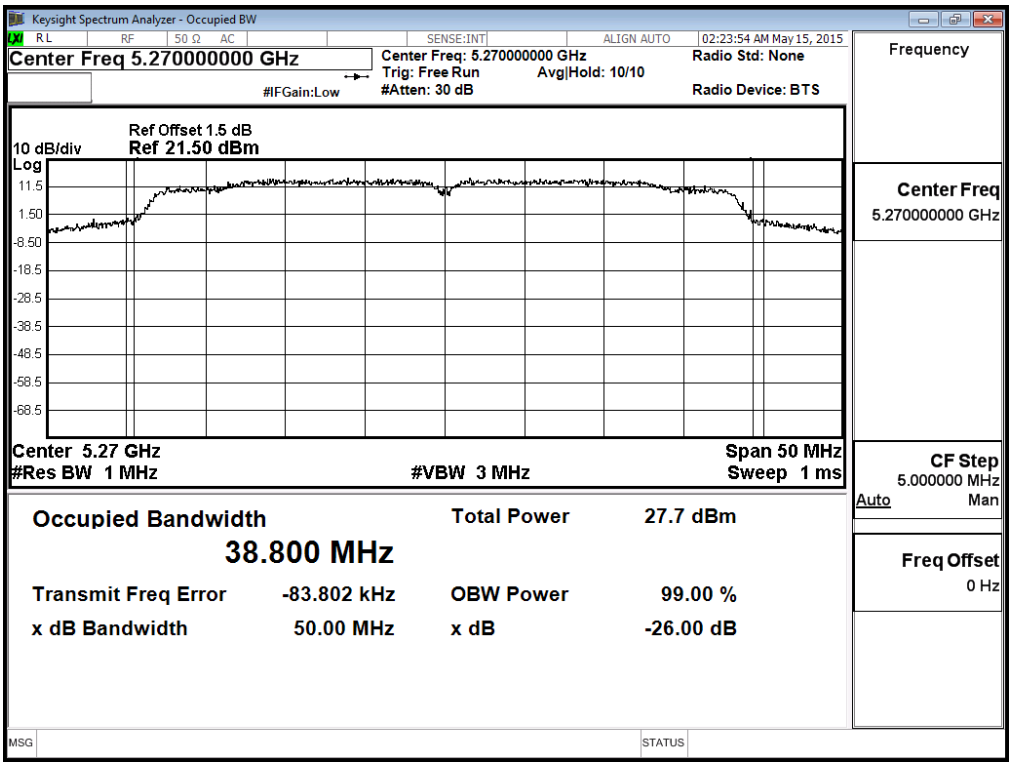
**Maximum conducted output power Measurement:**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 38 | 5190 | -- | 18.21 | 0.15 | 18.360 | 24 | -- |
| 46 | 5230 | -- | 21.23 | 0.15 | 21.380 | 24 | -- |
| 54 | 5270 | 38.800 | 21.12 | 0.15 | 21.270 | 24 | 26.89 |
| 62 | 5310 | 36.463 | 16.42 | 0.15 | 16.570 | 24 | 26.62 |
| 102 | 5510 | 36.407 | 16.51 | 0.15 | 16.660 | 24 | 26.61 |
| 110 | 5550 | 54.013 | 21.29 | 0.15 | 21.440 | 24 | 28.32 |
| 134 | 5670 | 41.419 | 21.24 | 0.15 | 21.390 | 24 | 27.17 |

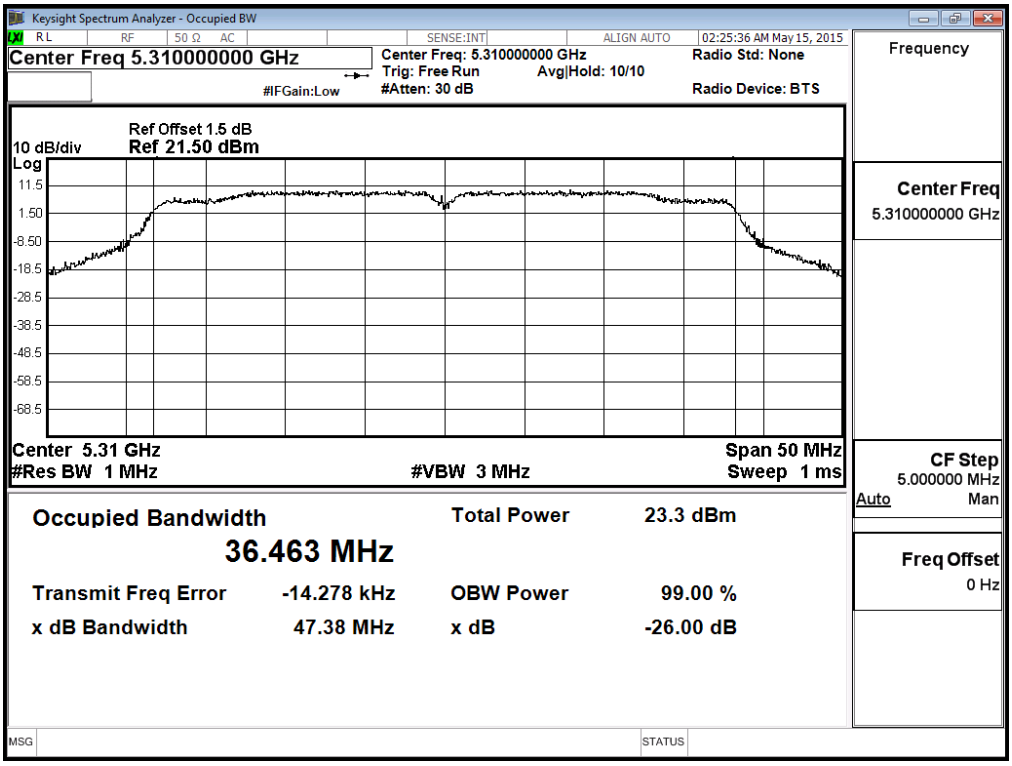
Note: Total Output Power Value = Output Power value + Duty Factor

## 99% Occupied Bandwidth:

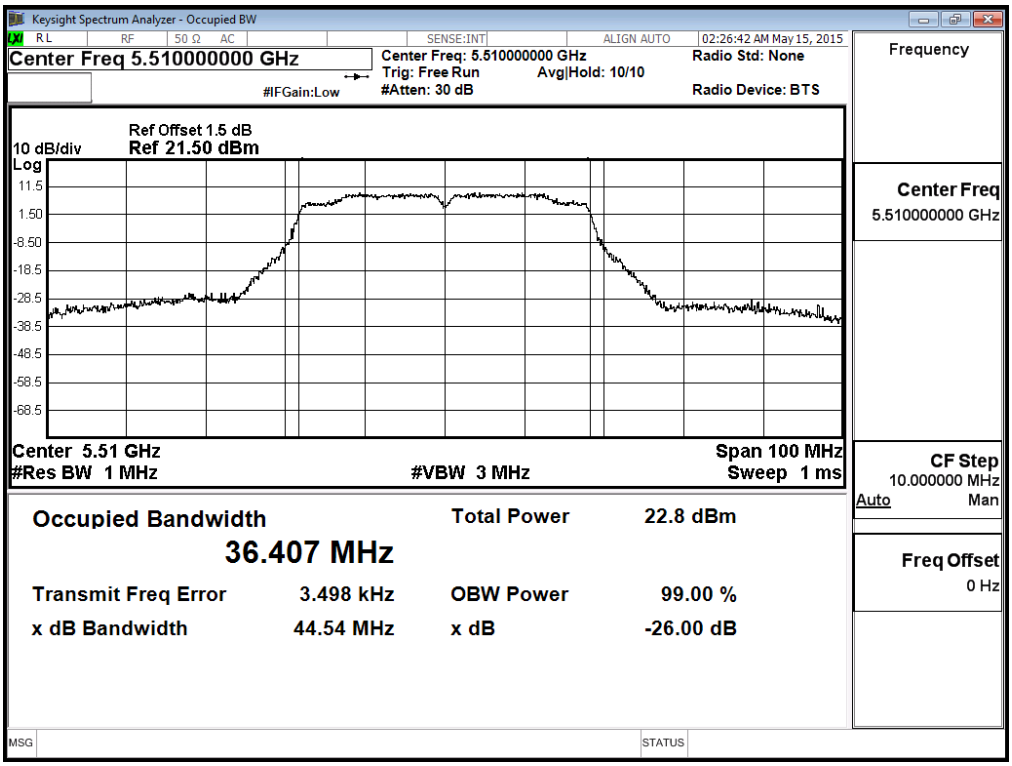
### Channel 54



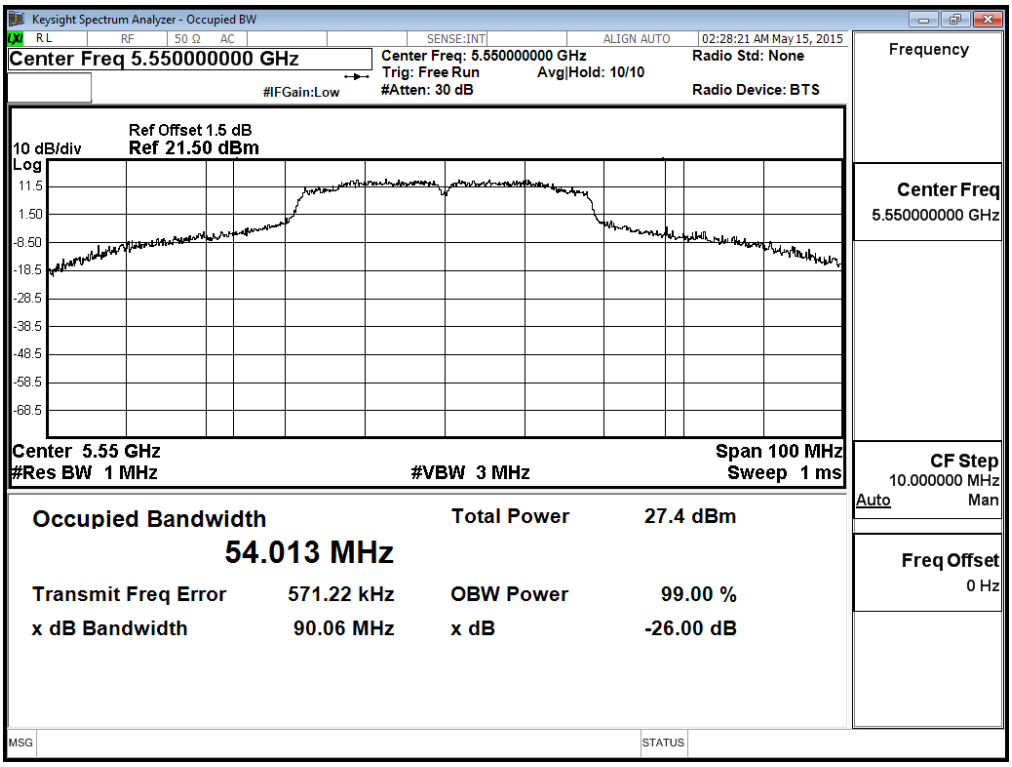

### Channel 62



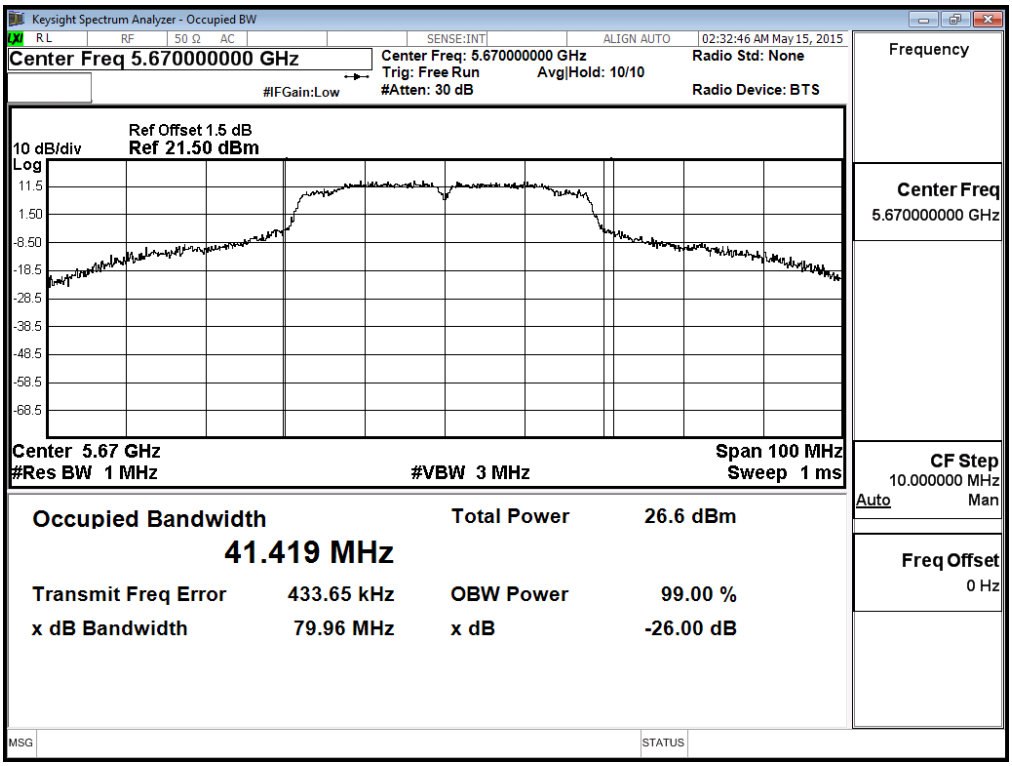
## Channel 102




## Channel 110



**Channel 134**


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
02:32:46 AM May 15, 2015
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
Log
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center Freq
5.670000000 GHz
Center 5.67 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 100 MHz
Sweep 1 ms
CF Step
10.000000 MHz
Auto
Man
Occupied Bandwidth
41.419 MHz
Total Power
26.6 dBm
Freq Offset
0 Hz
Transmit Freq Error
433.65 kHz
OBW Power
99.00 %
x dB Bandwidth
79.96 MHz
x dB
-26.00 dB
MSG
STATUS

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit (802.11ac-20BW-7.2Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | |
| | | Measurement Level (dBm) | | | | | | | | | |
| 144 (Band3) | 5720 | 18.04 | 17.95 | 17.86 | 17.74 | 17.63 | 17.42 | 17.36 | 17.28 | 17.11 | <24dBm |
| 144 (Band4) | 5720 | 10.68 | 10.53 | 10.44 | 10.36 | 10.27 | 10.16 | 10.02 | 9.87 | 9.72 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

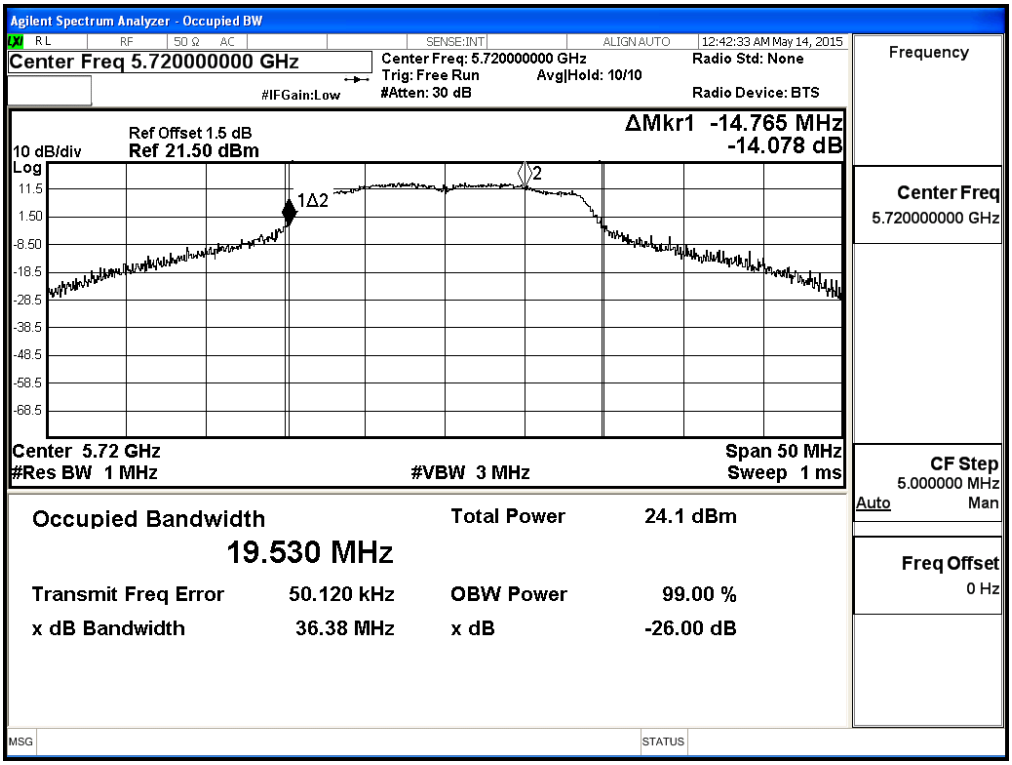
**Maximum conducted output power Measurement:**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 144(Band3) | 5720 | 14.765 | 18.04 | 0.11 | 18.150 | 24 | 22.69 |
| 144(Band4) | 5720 | 4.765 | 10.68 | 0.11 | 10.790 | 30 | 17.78 |

Note: Total Output Power Value = Output Power value + Duty Factor

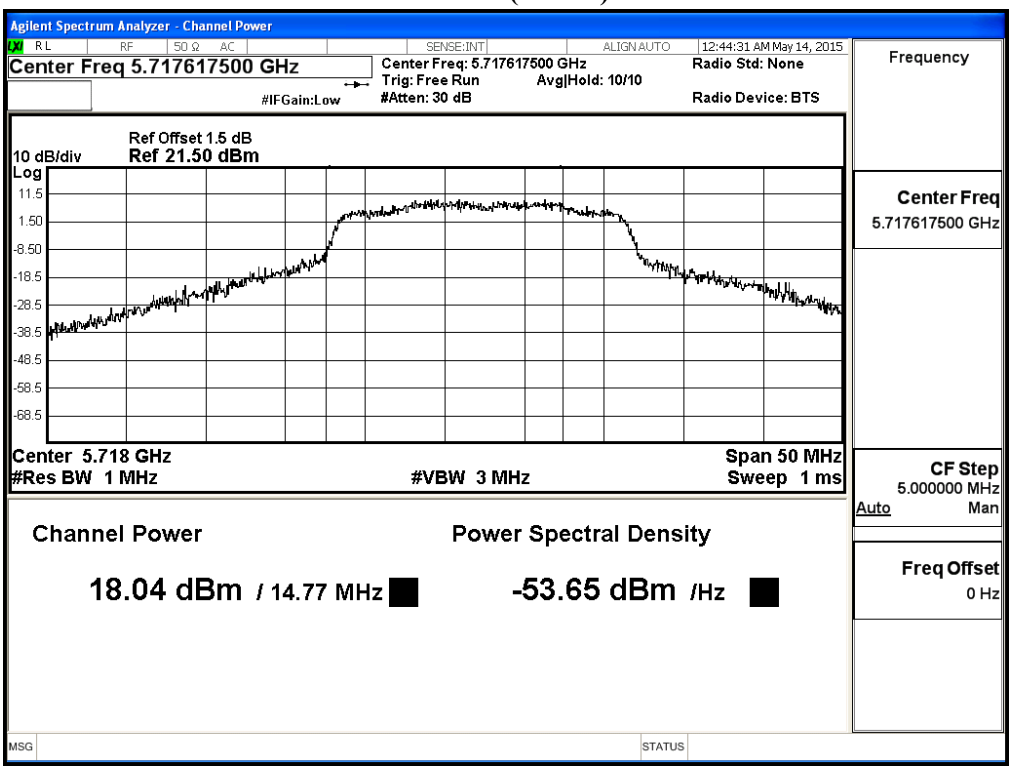
## 99% Occupied Bandwidth:

## Channel 144

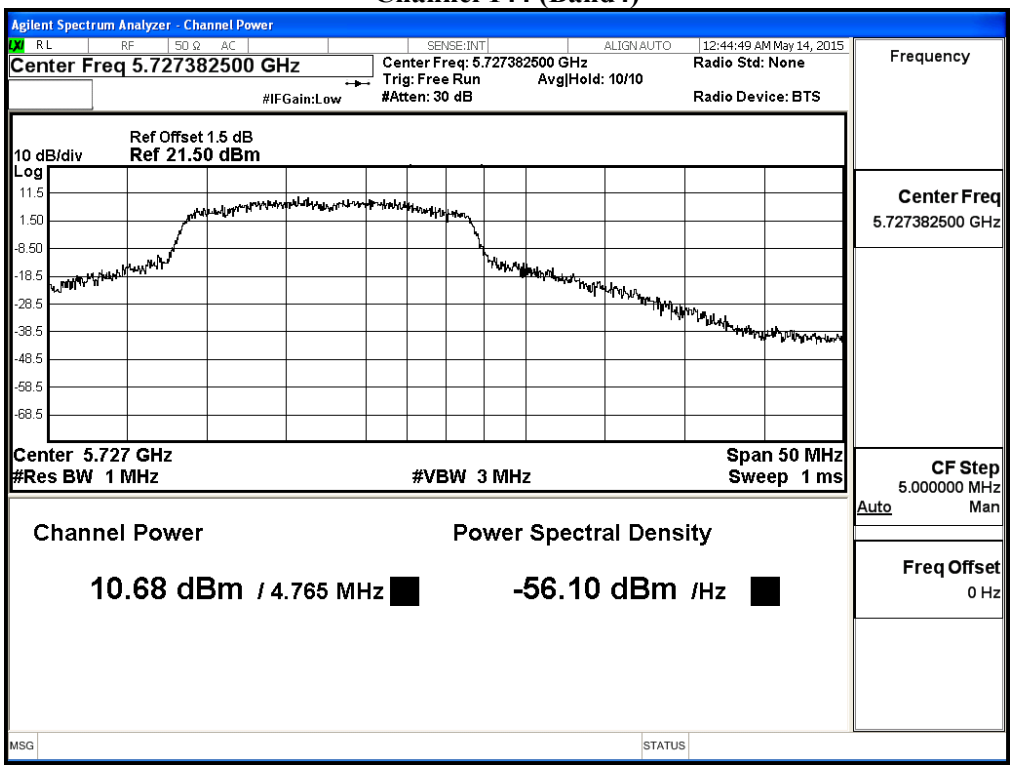


## Maximum conducted output power:

### Channel 144 (Band3)




### Channel 144 (Band4)



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit (802.11ac-40BW-15Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 142F(Band3) | 5710 | 18.98 | 18.86 | 18.73 | 18.65 | 18.54 | 18.44 | 18.32 | 18.21 | 18.17 | 18.02 | <24dBm |
| 142F(Band4) | 5710 | 6.07 | 5.98 | 5.74 | 5.63 | 5.51 | 5.34 | 5.22 | 5.18 | 5.07 | 4.98 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

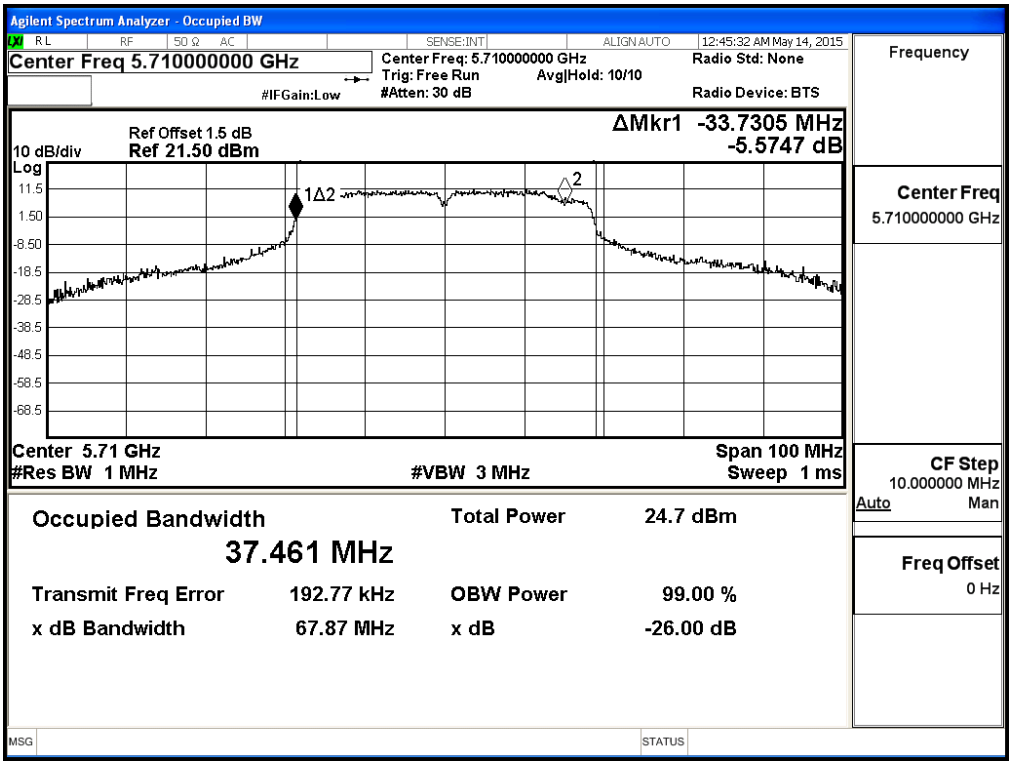
**Maximum conducted output power Measurement:**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 142F(Band3) | 5710 | 33.731 | 18.98 | 0.315 | 19.295 | 24 | 26.28 |
| 142F(Band4) | 5710 | 3.731 | 6.07 | 0.315 | 6.385 | 30 | 16.72 |

Note: Total Output Power Value = Output Power value + Duty Factor

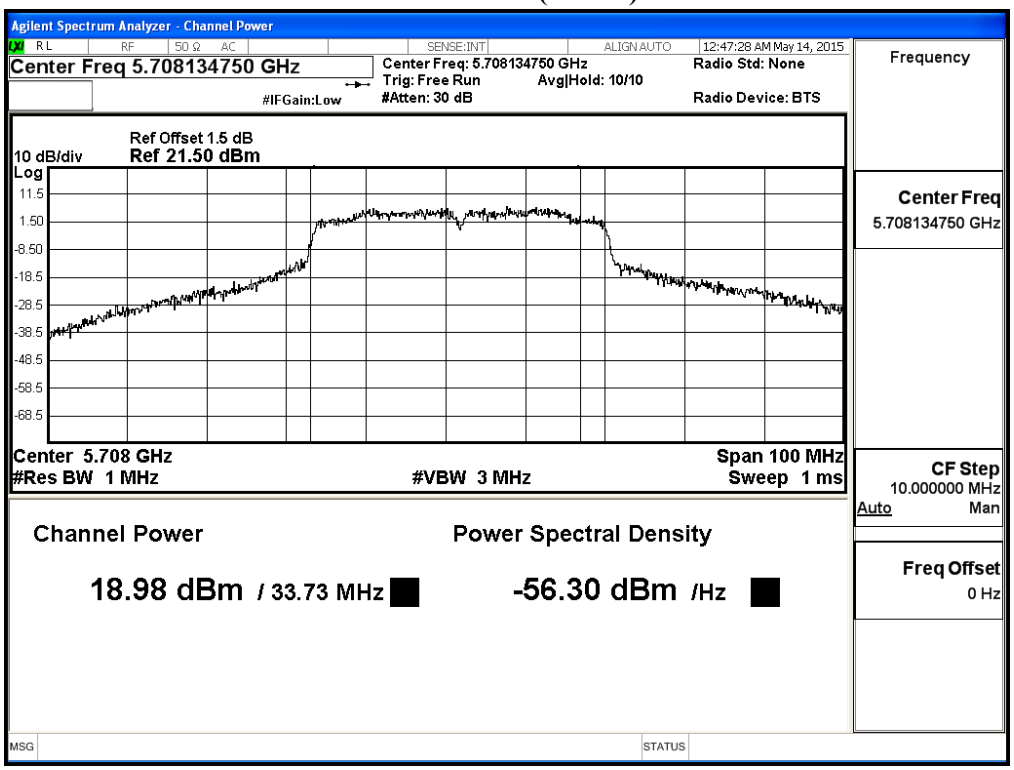
## 99% Occupied Bandwidth:

## Channel 142

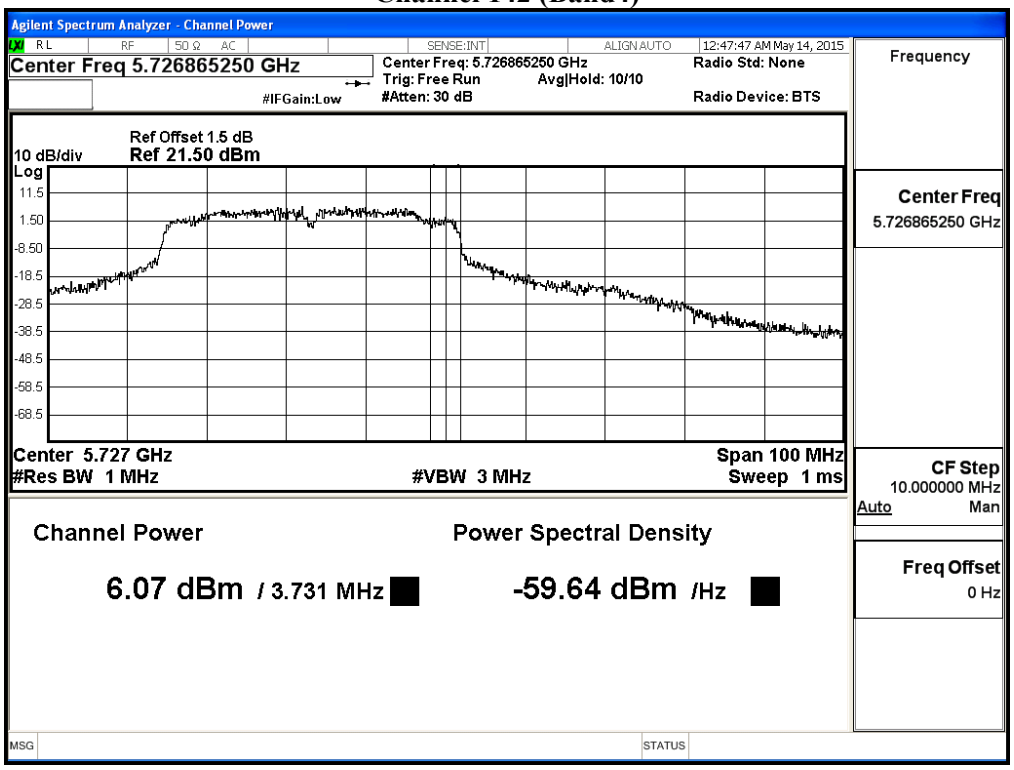


## Maximum conducted output power:

### Channel 142 (Band3)




### Channel 142 (Band4)



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 1 SISO A: Transmit (802.11ac-80BW-32.5Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 42 | 5210 | 16.39 | 16.22 | 16.05 | 15.88 | 15.71 | 15.54 | 15.37 | 15.2 | 15.03 | 14.86 | <30dBm |
| 58 | 5290 | 16.39 | 16.21 | 16.15 | 16.07 | 15.93 | 15.76 | 15.67 | 15.52 | 15.4 | 15.36 | <24dBm |
| 106 | 5530 | 15.51 | 15.42 | 15.37 | 15.2 | 15.16 | 15.04 | 14.93 | 14.87 | 14.75 | 14.58 | <24dBm |
| 122 | 5610 | 16.93 | 16.86 | 16.79 | 16.72 | 16.65 | 16.58 | 16.51 | 16.44 | 16.37 | 16.3 | <24dBm |
| 138(Band3) | 5690 | 17.6 | 17.52 | 17.41 | 17.36 | 17.15 | 17.07 | 16.97 | 16.83 | 16.74 | 16.63 | <24dBm |
| 138(Band4) | 5690 | 0.24 | 0.11 | -0.17 | -0.22 | -0.39 | -0.51 | -0.65 | -0.74 | -0.83 | -0.99 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

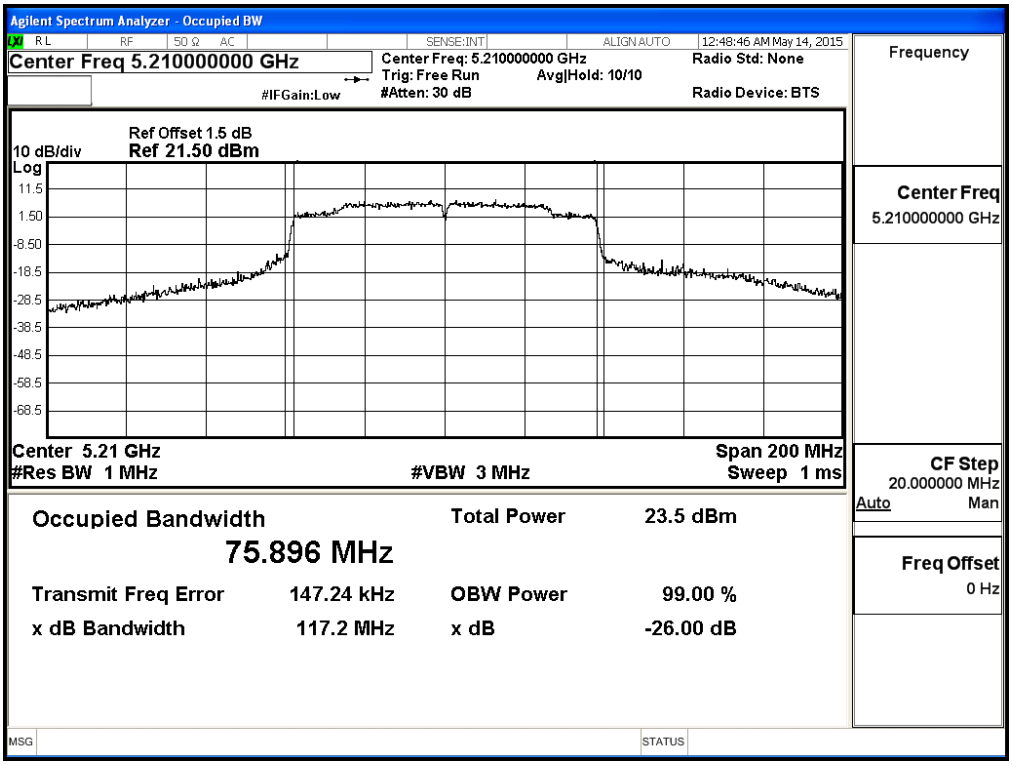
**Maximum conducted output power Measurement**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 42 | 5210 | 75.896 | 16.39 | 0.283 | 16.673 | 24 | 29.80 |
| 58 | 5290 | 75.293 | 16.39 | 0.283 | 16.673 | 24 | 29.77 |
| 106 | 5530 | 75.141 | 15.51 | 0.283 | 15.793 | 24 | 29.76 |
| 122 | 5610 | 75.900 | 16.93 | 0.283 | 17.213 | 24 | 29.80 |
| 138(Band3) | 5690 | 72.862 | 17.60 | 0.283 | 17.883 | 24 | 29.63 |
| 138(Band4) | 5690 | 2.862 | 0.24 | 0.283 | 0.523 | 30 | 21.57 |

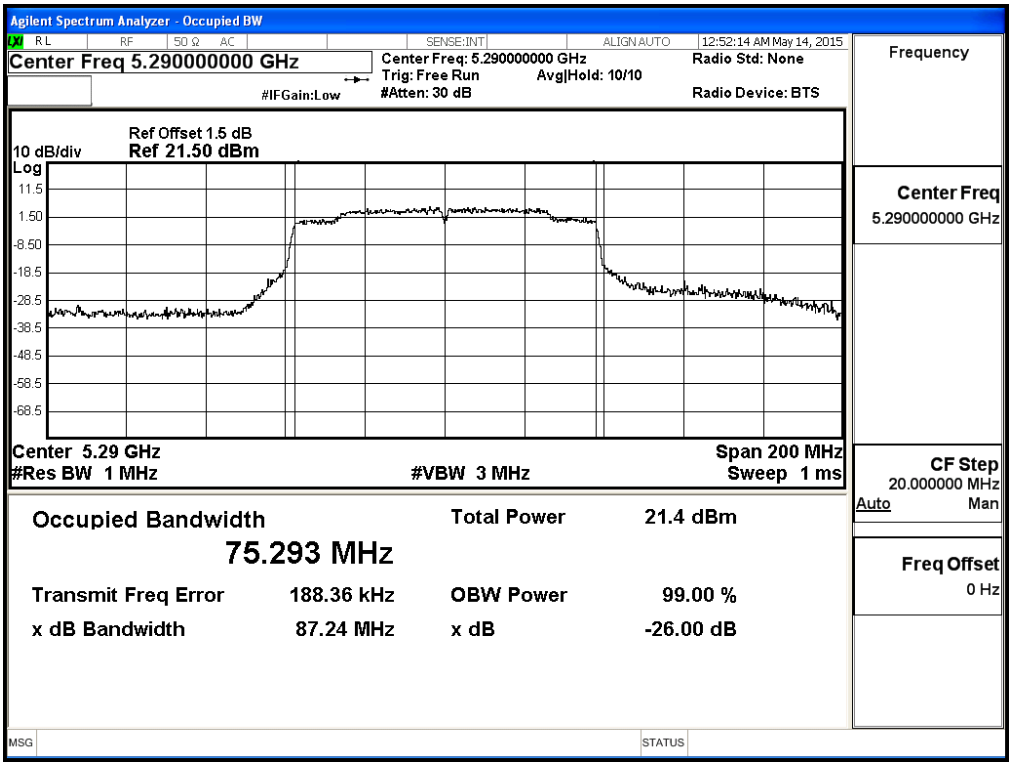
Note: Total Output Power Value = Output Power value + Duty Factor

## 99% Occupied Bandwidth:

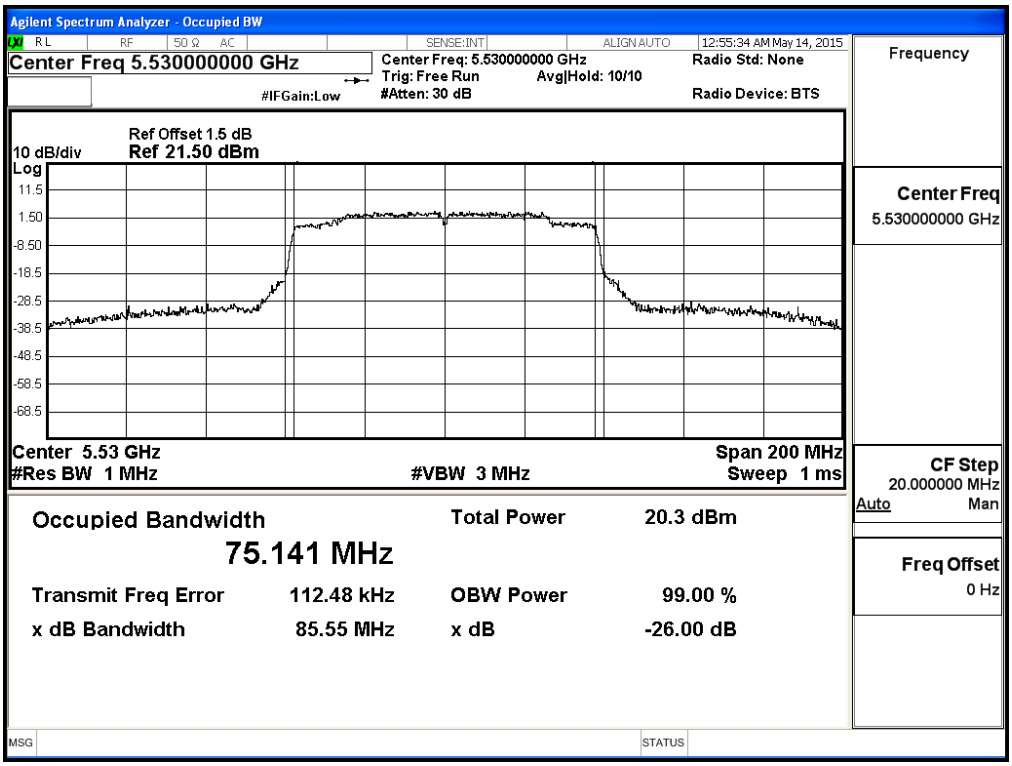
### Channel 42



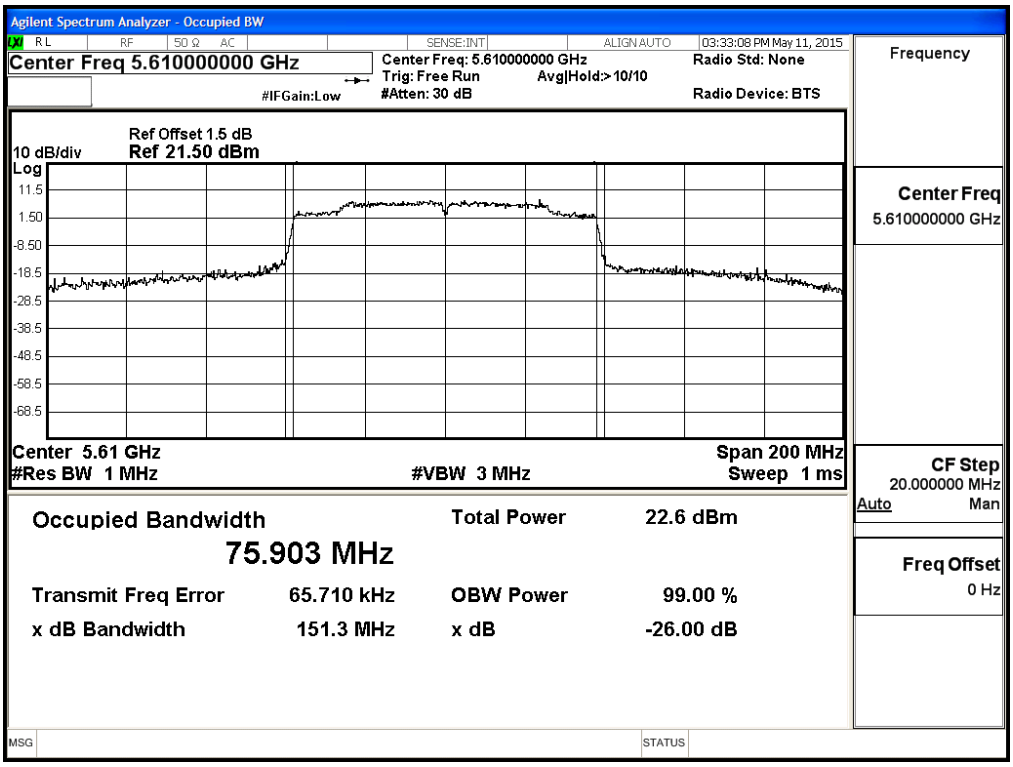

### Channel 58



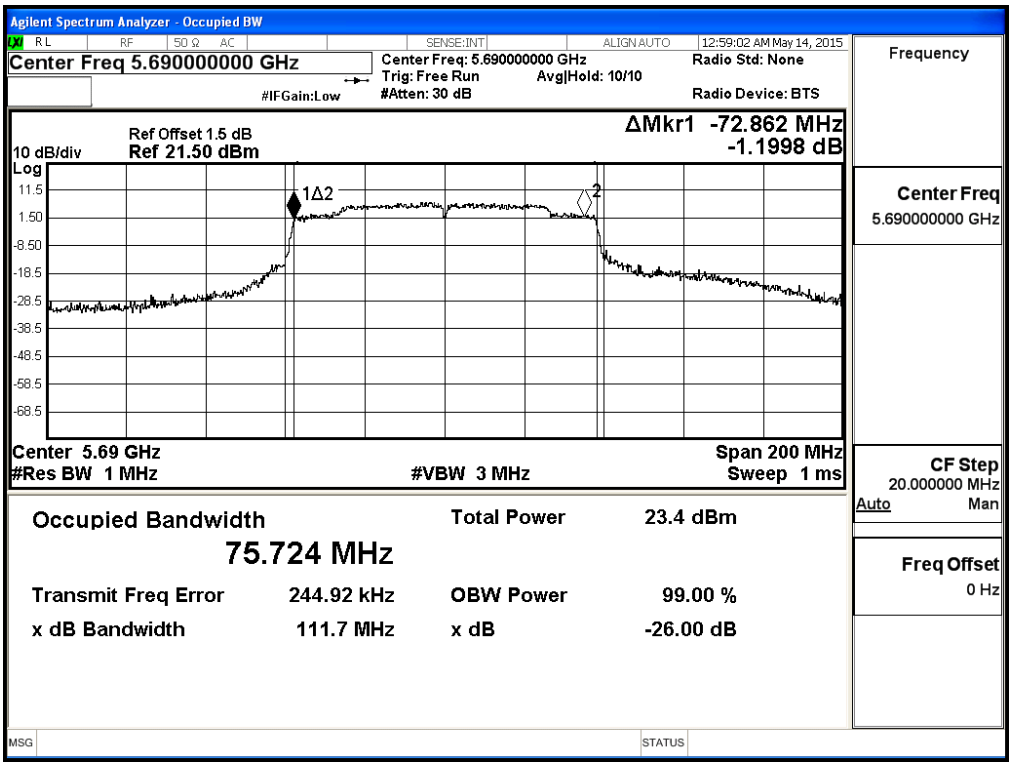
## Channel 106




## Channel 122

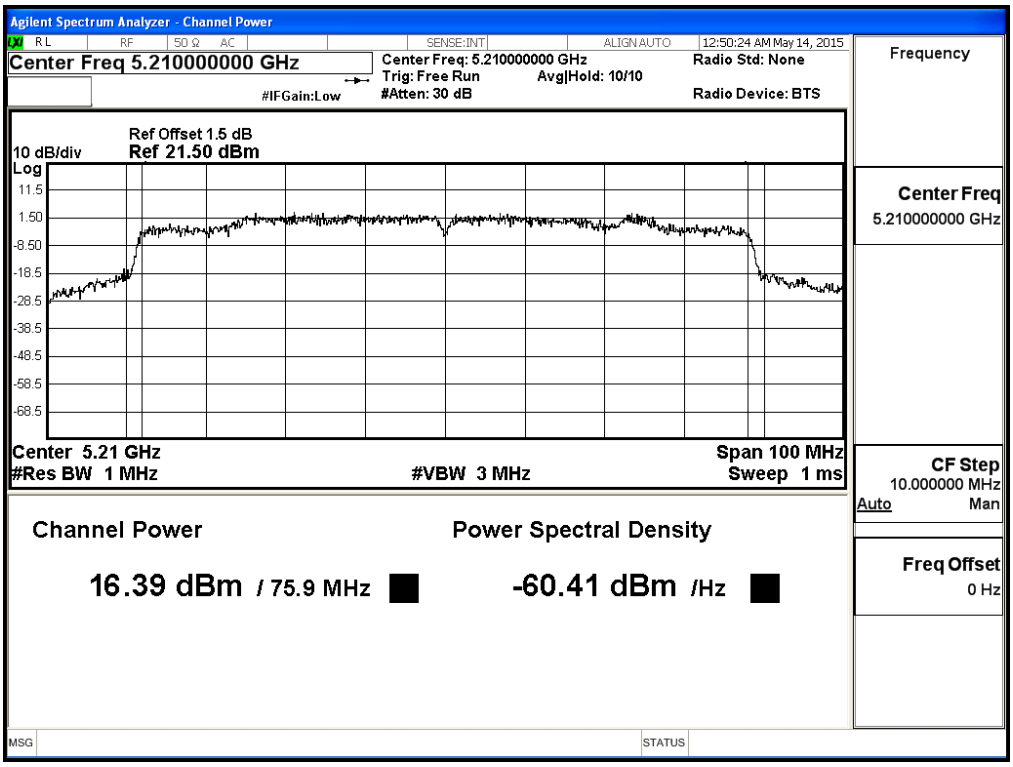


**Channel 138**


Agilent Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
12:59:02 AM May 14, 2015
Center Freq 5.690000000 GHz
Center Freq: 5.690000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
ΔMkr1 -72.862 MHz
-1.1998 dB
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
Log
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1Δ2
2
Center Freq
5.690000000 GHz
Center 5.69 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 200 MHz
Sweep 1 ms
CF Step
20.000000 MHz
Auto
Man
Freq Offset
0 Hz
Occupied Bandwidth
75.724 MHz
Total Power
23.4 dBm
Transmit Freq Error
244.92 kHz
OBW Power
99.00 %
x dB Bandwidth
111.7 MHz
x dB
-26.00 dB
MSG
STATUS

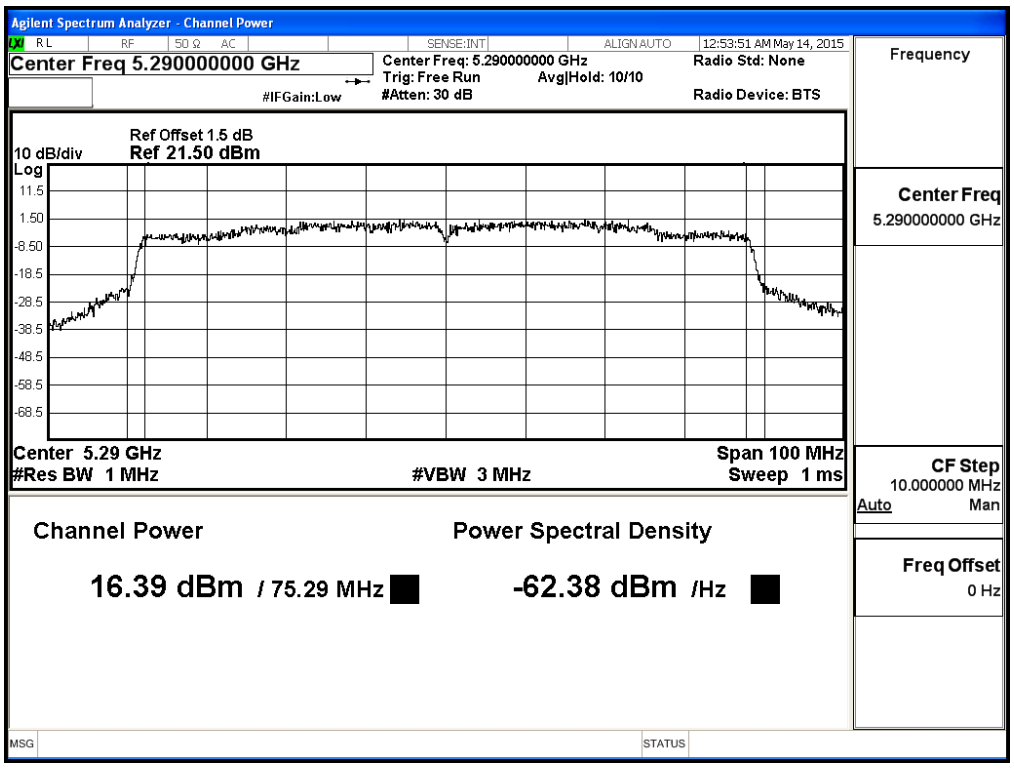
**Maximum conducted output power:**

**Channel 42**



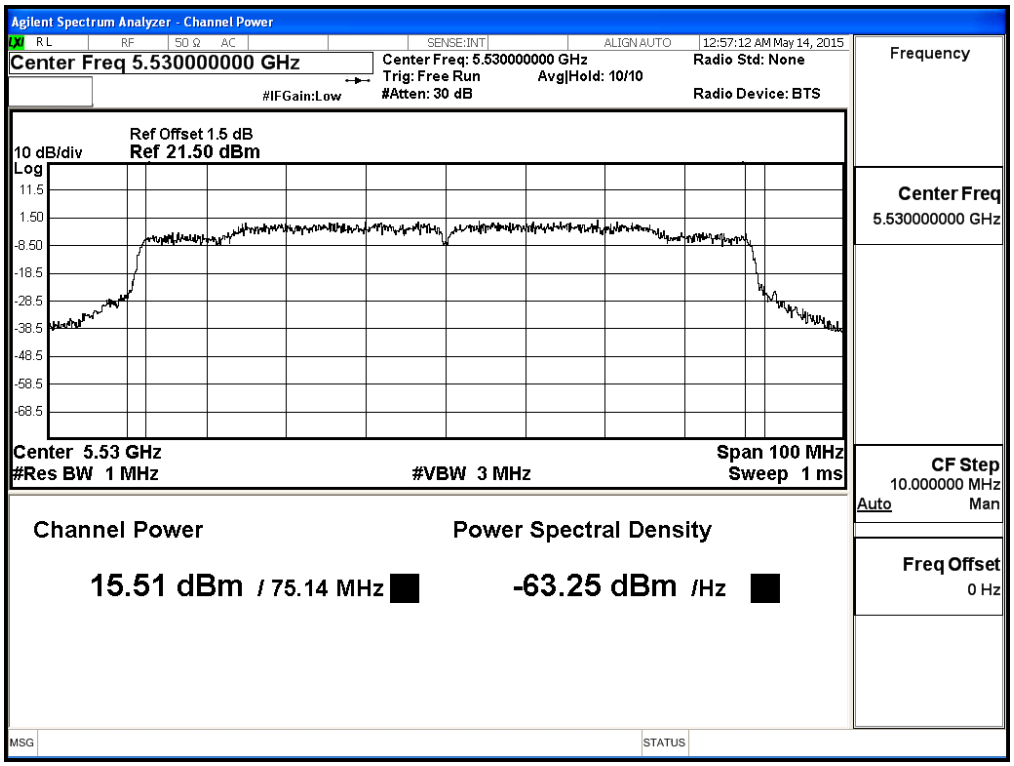

**Maximum conducted output power:**

**Channel 58**



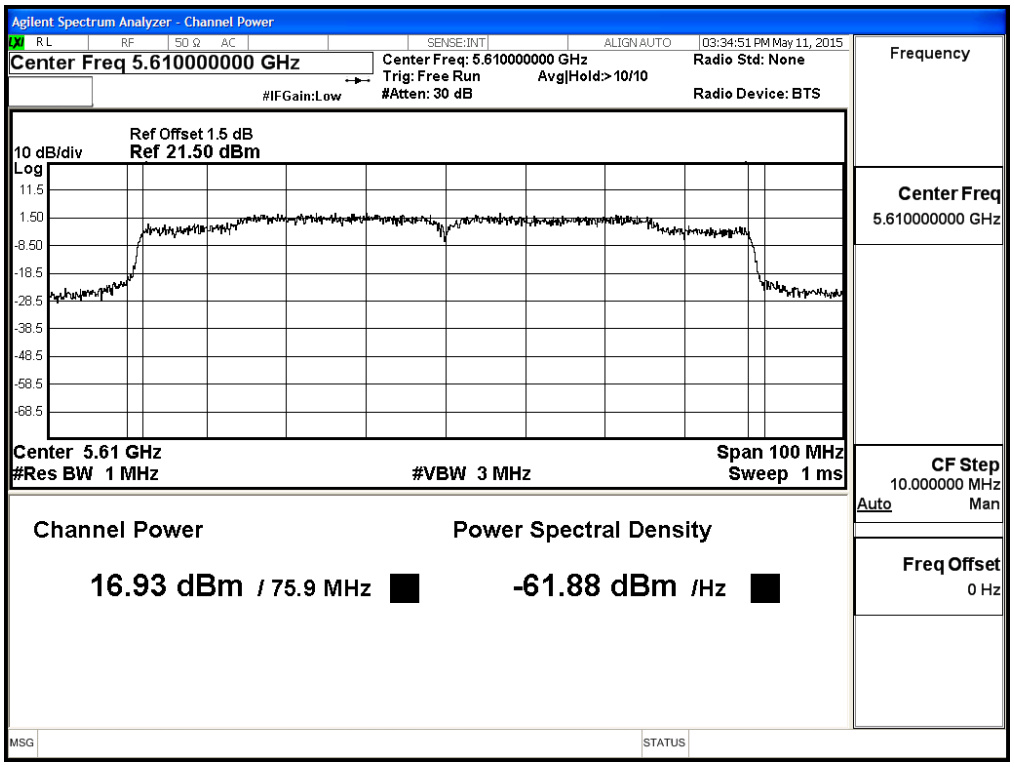
**Maximum conducted output power:**

**Channel 106**



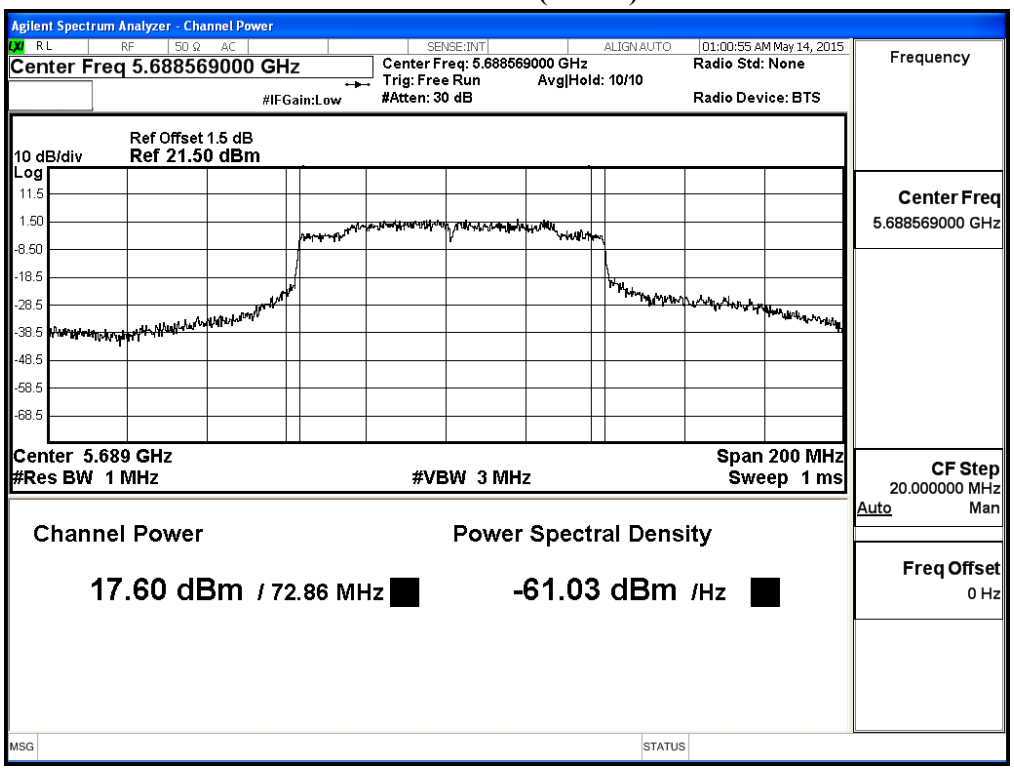

**Maximum conducted output power:**

**Channel 122**



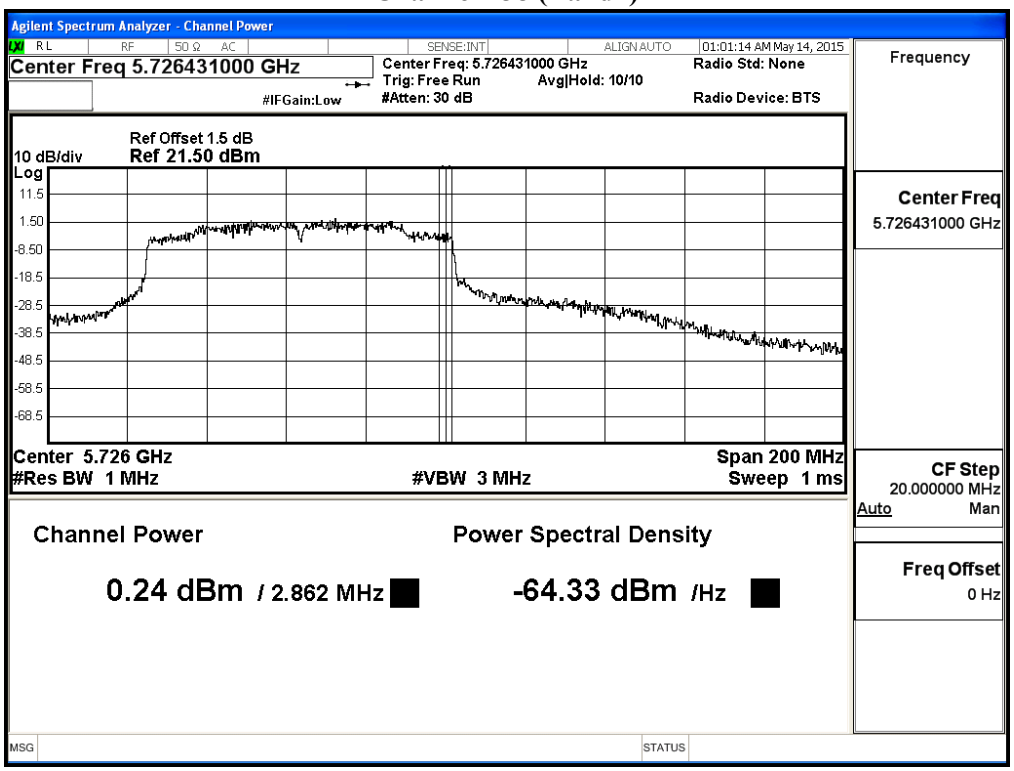
**Maximum conducted output power:**

**Channel 138 (Band3)**




**Maximum conducted output power:**

**Channel 138 (Band4)**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11a-6Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 6 | 9 | 12 | 18 | 24 | 36 | 48 | 54 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 19.03 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 44 | 5220 | 21.14 | 21.06 | 20.94 | 20.86 | 20.77 | 20.63 | 20.58 | 20.41 | <24dBm |
| 48 | 5240 | 21.24 | | | | | | | | <24dBm |
| 52 | 5260 | 21.05 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 21.32 | 21.26 | 21.14 | 21.03 | 20.93 | 20.84 | 20.76 | 20.63 | <24dBm |
| 64 | 5320 | 18.29 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 17.41 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 21.30 | 21.25 | 21.16 | 21.04 | 20.97 | 20.86 | 20.71 | 20.63 | <24dBm |
| 140 | 5700 | 21.27 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

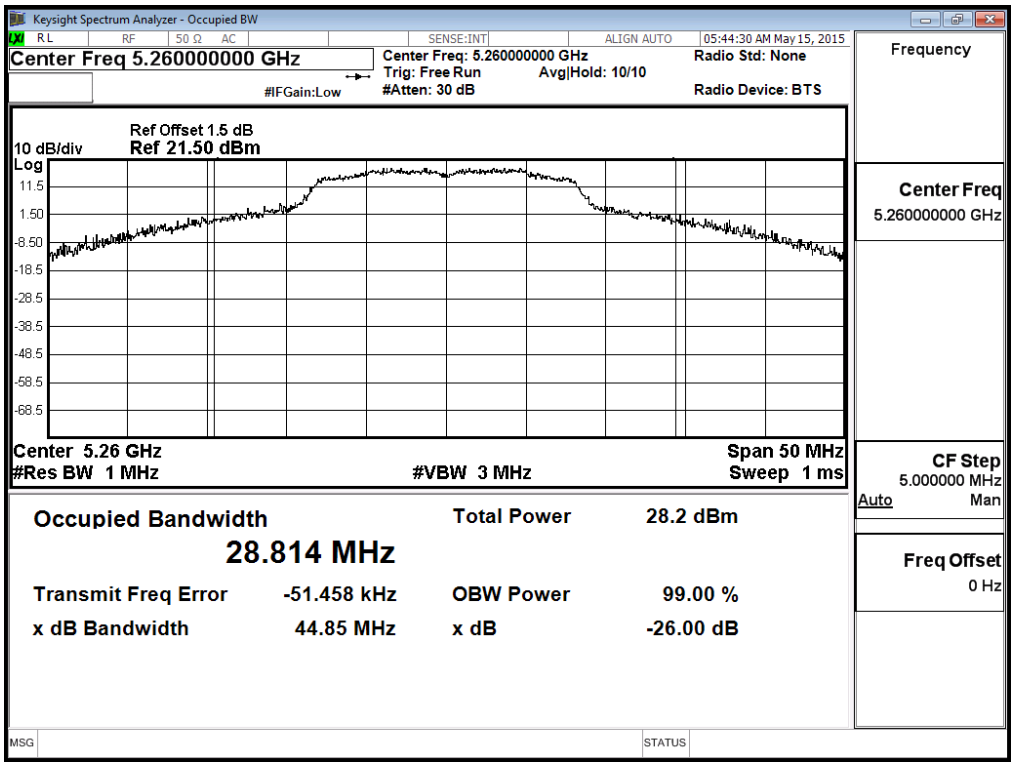
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

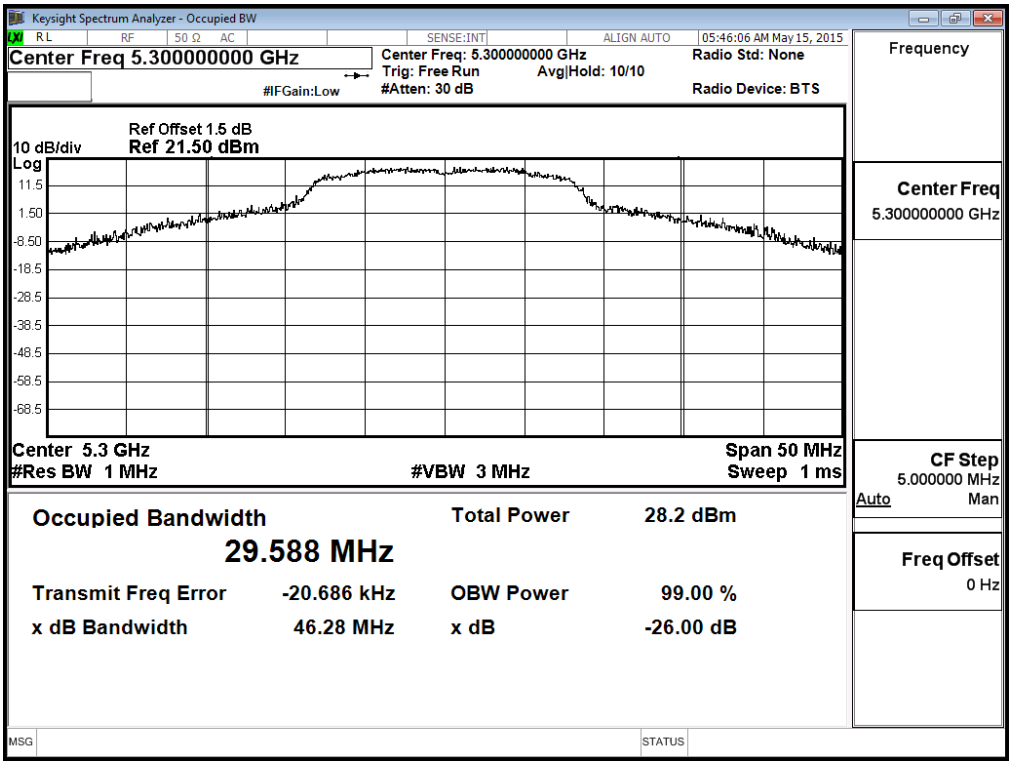
| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 36 | 5180 | -- | 19.03 | 0.079 | 19.109 | 24 | -- |
| 44 | 5220 | -- | 21.14 | 0.079 | 21.219 | 24 | -- |
| 48 | 5240 | -- | 21.24 | 0.079 | 21.319 | 24 | -- |
| 52 | 5260 | 28.814 | 21.05 | 0.079 | 21.129 | 24 | 25.60 |
| 60 | 5300 | 29.588 | 21.32 | 0.079 | 21.399 | 24 | 25.71 |
| 64 | 5320 | 28.007 | 18.29 | 0.079 | 18.369 | 24 | 25.47 |
| 100 | 5500 | 17.561 | 17.41 | 0.079 | 17.489 | 24 | 23.45 |
| 116 | 5580 | 27.056 | 21.3 | 0.079 | 21.379 | 24 | 25.32 |
| 140 | 5700 | 17.368 | 21.27 | 0.079 | 21.349 | 24 | 23.40 |

Note: Total Output Power Value = Output Power value + Duty Factor

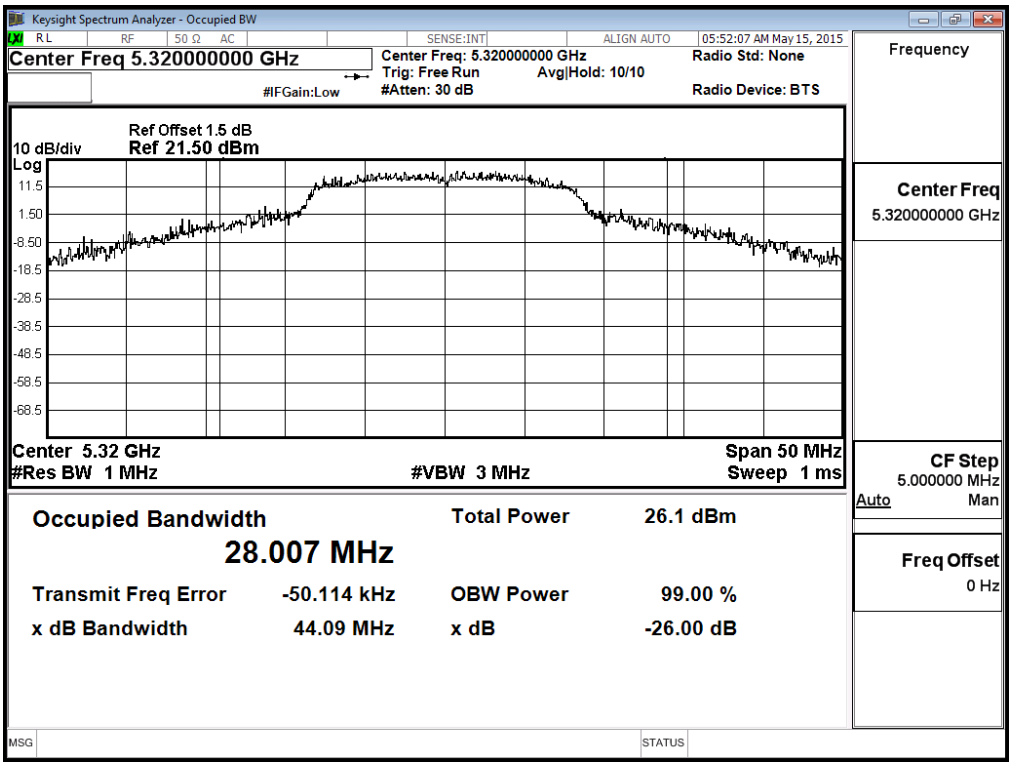
**99% Occupied Bandwidth:**
**Channel 52:**



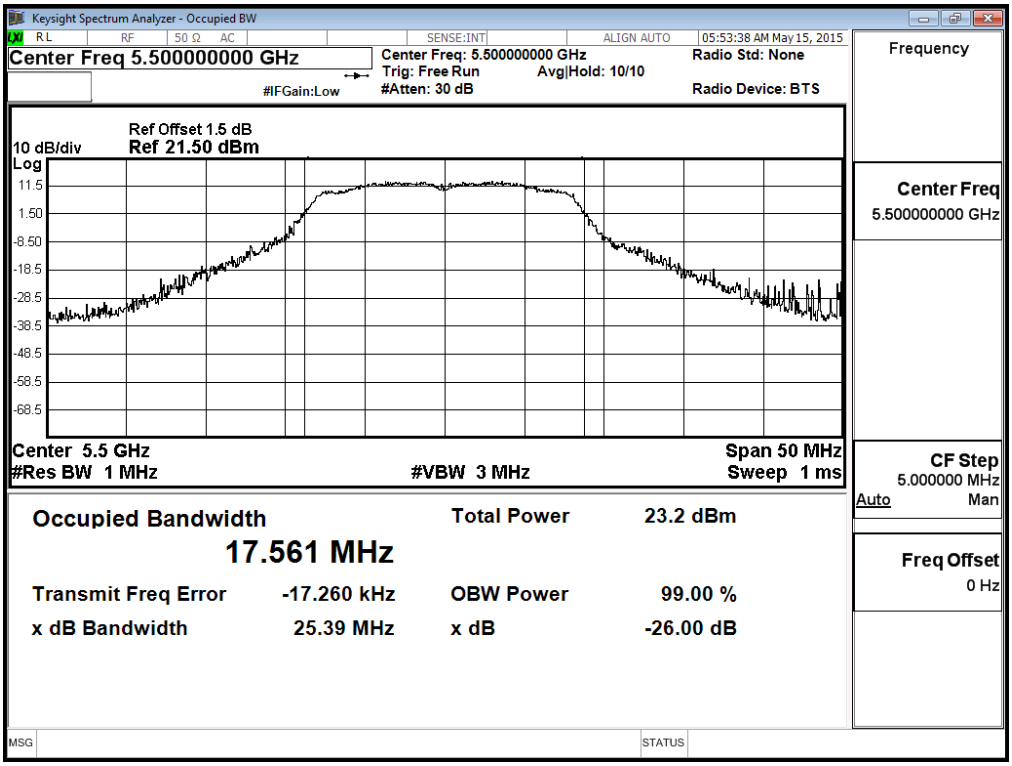

**Channel 60:**



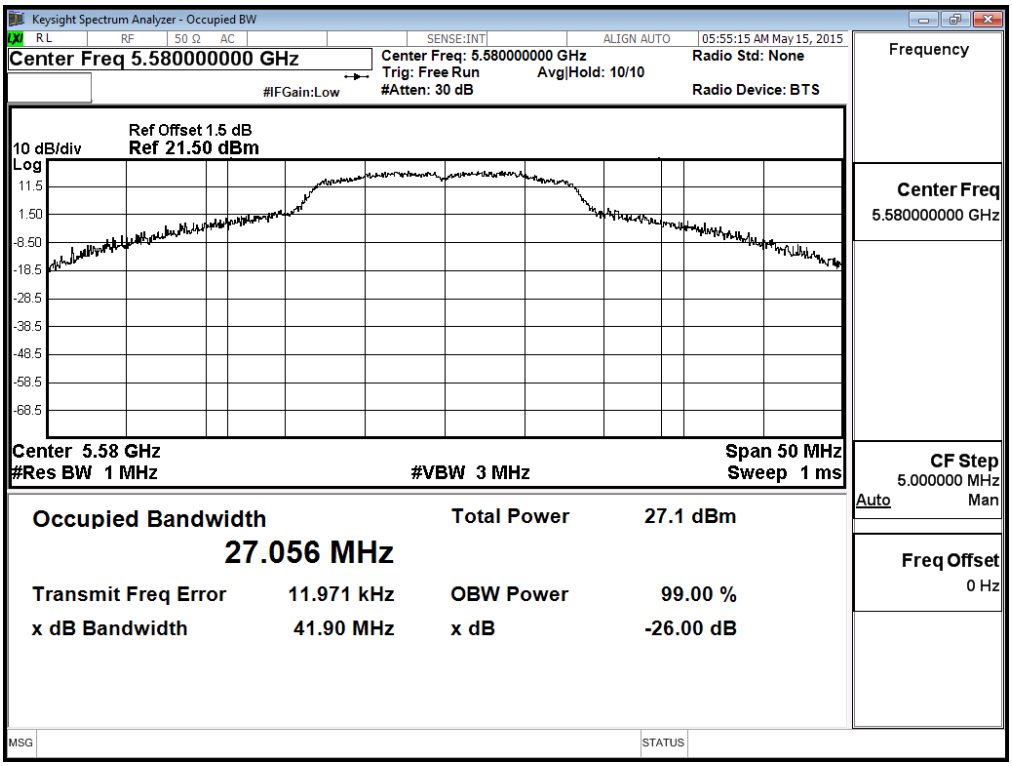
**Channel 64:**



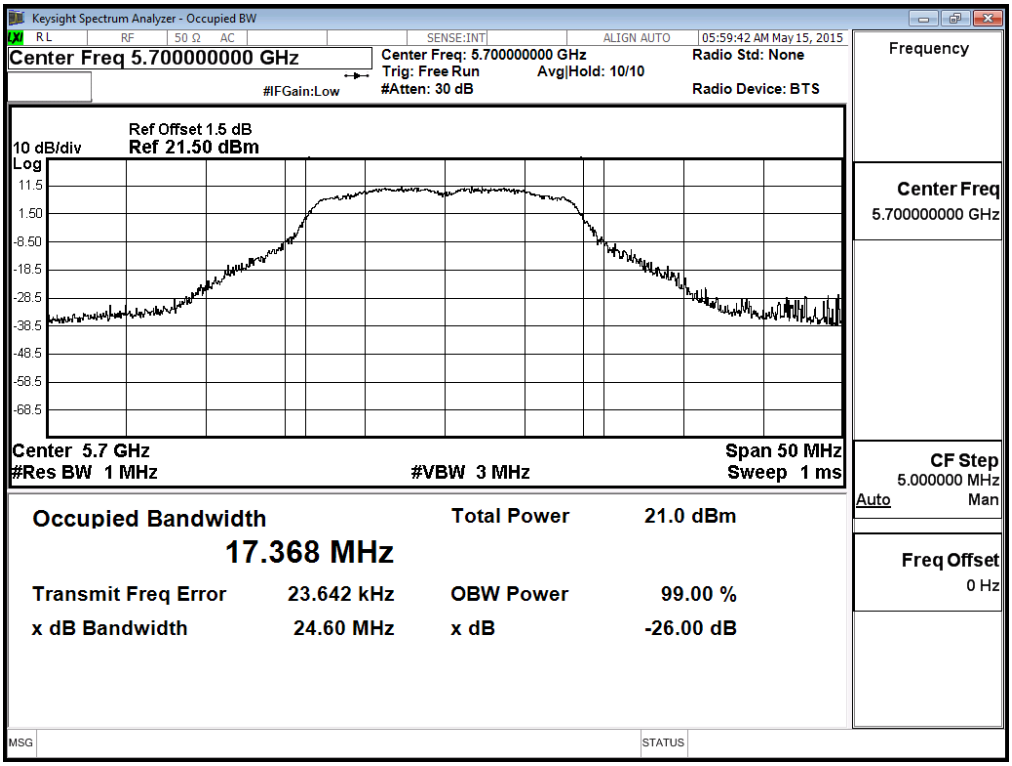

**Channel 100:**



**Channel 116:**




**Channel 140:**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11n-20BW 7.2Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 14.4 | 28.9 | 43.3 | 57.8 | 86.7 | 115.6 | 130 | 144.4 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 18.5 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 44 | 5220 | 21.29 | 21.15 | 21.06 | 20.94 | 20.83 | 20.71 | 20.68 | 20.52 | <30dBm |
| 48 | 5240 | 21.24 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 52 | 5260 | 21.34 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 21.29 | 21.17 | 21.06 | 20.98 | 20.83 | 20.74 | 20.61 | 20.53 | <24dBm |
| 64 | 5320 | 17.7 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 17.76 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 21.24 | 21.18 | 21.03 | 20.95 | 20.86 | 20.76 | 20.68 | 20.57 | <24dBm |
| 140 | 5700 | 21.23 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

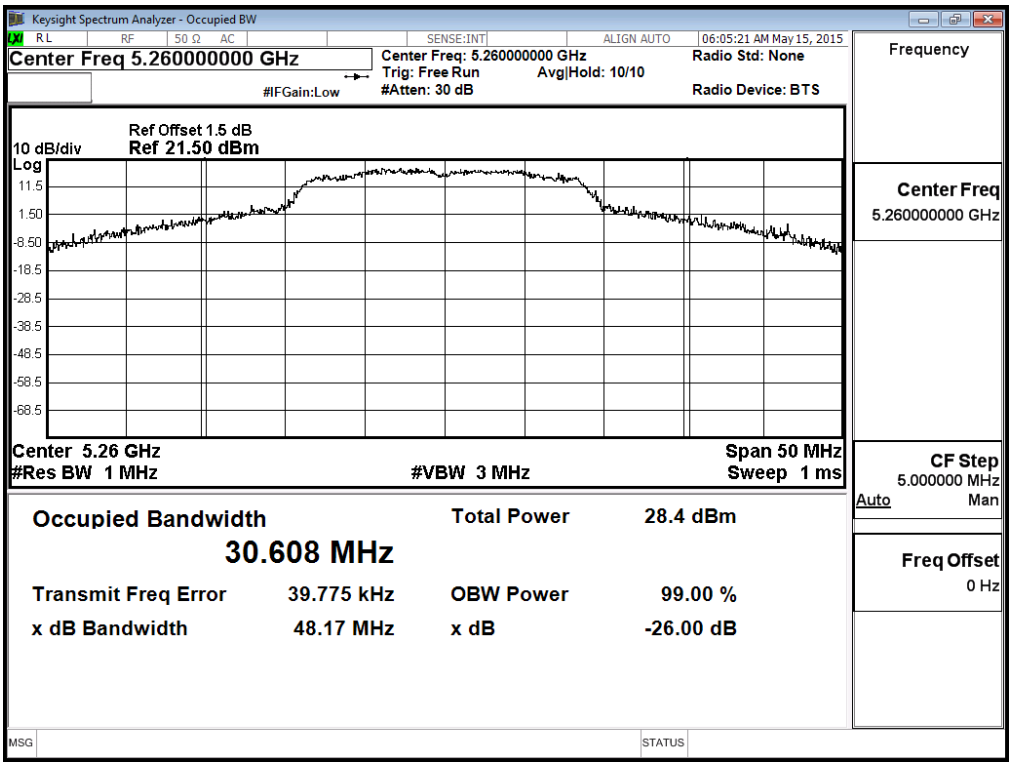
Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

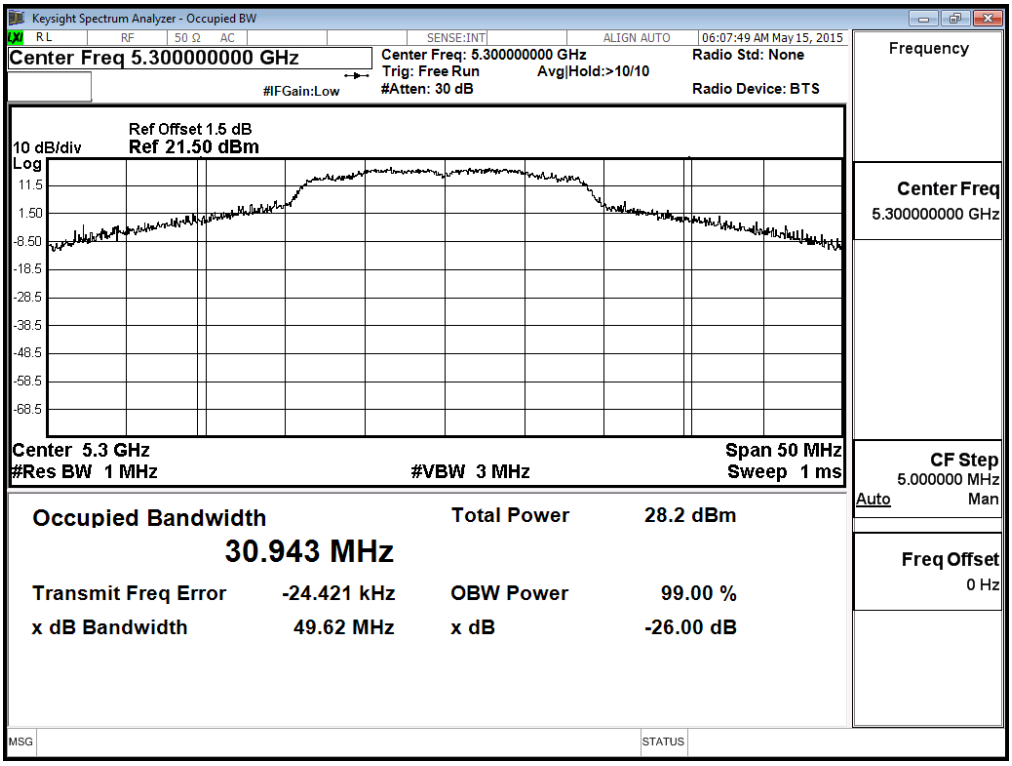
| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 36 | 5180 | -- | 18.5 | 0.088 | 18.588 | 24 | -- |
| 44 | 5220 | -- | 21.29 | 0.088 | 21.378 | 24 | -- |
| 48 | 5240 | -- | 21.24 | 0.088 | 21.328 | 24 | -- |
| 52 | 5260 | 30.608 | 21.34 | 0.088 | 21.428 | 24 | 25.86 |
| 60 | 5300 | 30.943 | 21.29 | 0.088 | 21.378 | 24 | 25.91 |
| 64 | 5320 | 19.670 | 17.7 | 0.088 | 17.788 | 24 | 23.94 |
| 100 | 5500 | 18.570 | 17.76 | 0.088 | 17.848 | 24 | 23.69 |
| 116 | 5580 | 28.378 | 21.24 | 0.088 | 21.328 | 24 | 25.53 |
| 140 | 5700 | 18.496 | 21.23 | 0.088 | 21.318 | 24 | 23.67 |

Note: Total Output Power Value = Output Power value + Duty Factor

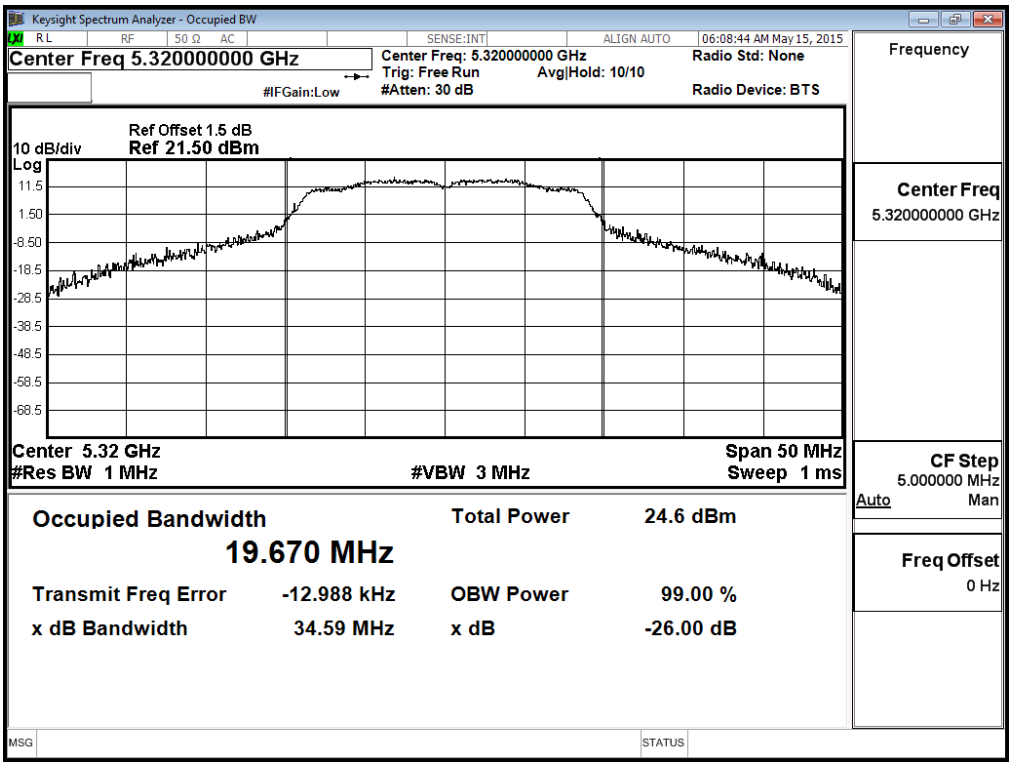
**99% Occupied Bandwidth:**
**Channel 52**



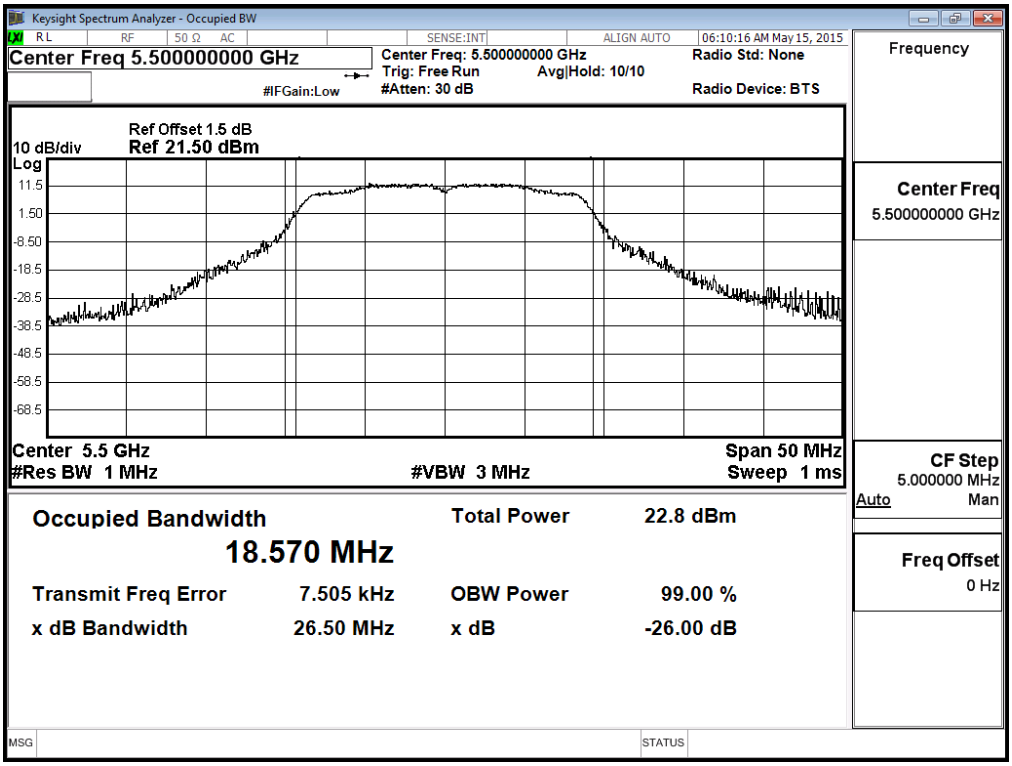

**Channel 60**



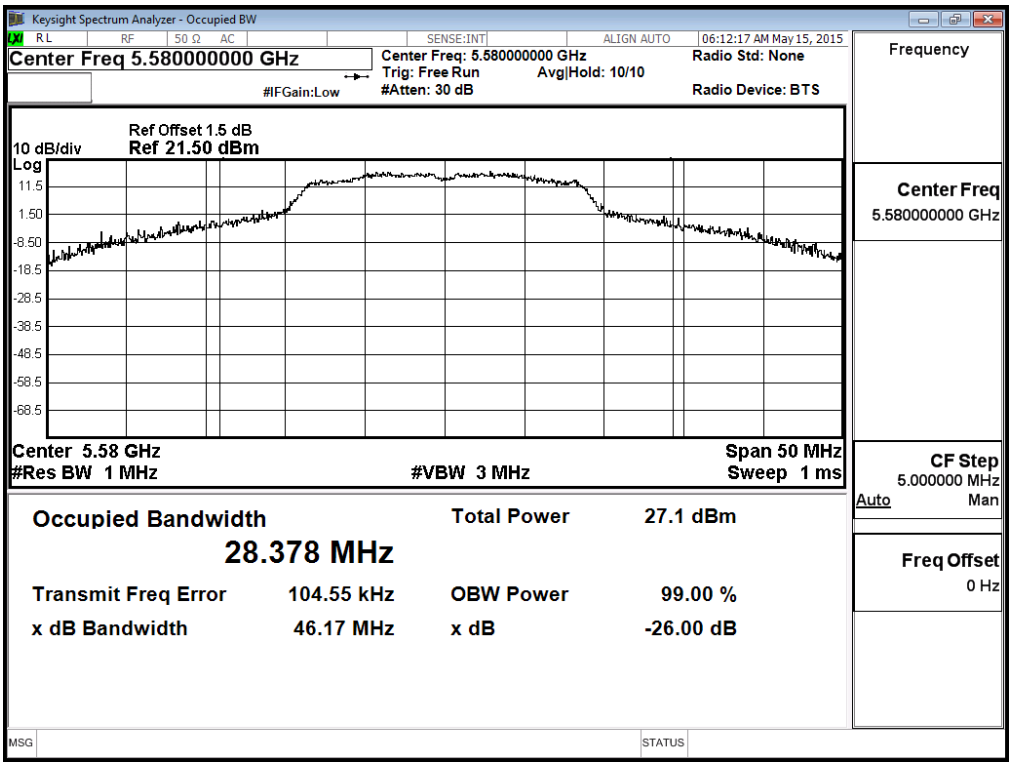
**Channel 64**



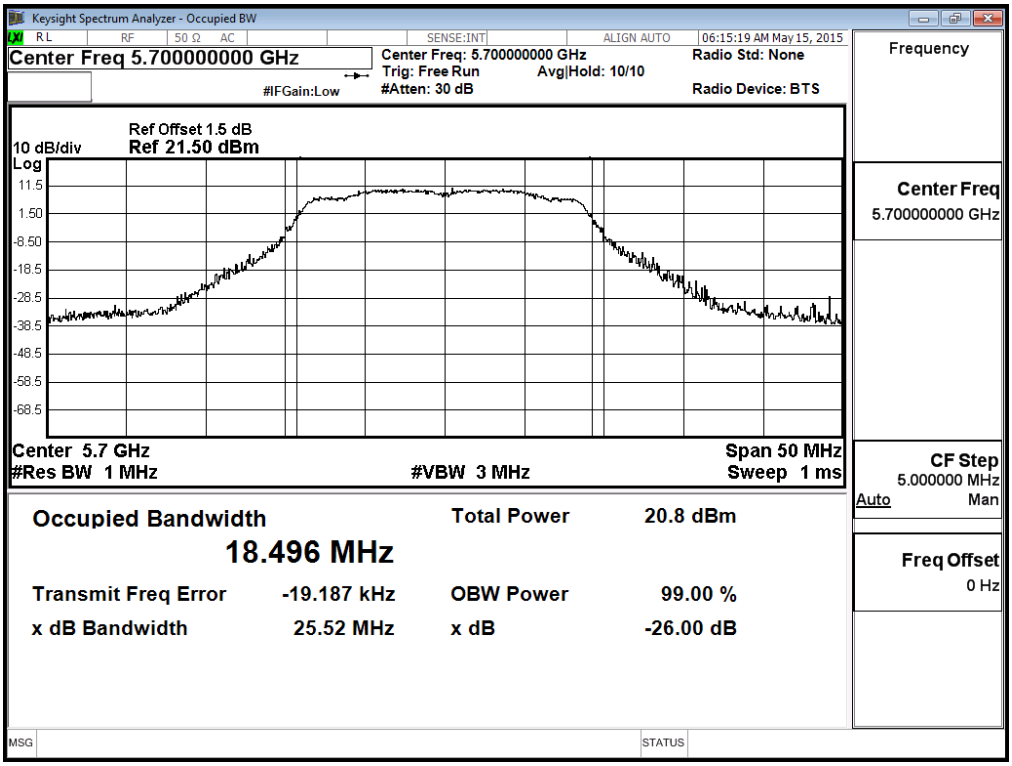

**Channel 100**



**Channel 116**




**Channel 140**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11n-40BW 15Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | 30 | 60 | 90 | 120 | 180 | 240 | 270 | 300 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 38 | 5190 | 17.23 | 17.15 | 17.03 | 16.98 | 16.83 | 16.71 | 16.63 | 16.52 | <30dBm |
| 46 | 5230 | 21.12 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 54 | 5270 | 21.2 | 21.12 | 21.03 | 20.96 | 20.84 | 20.75 | 20.65 | 20.51 | <24dBm |
| 62 | 5310 | 15.91 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 102 | 5510 | 16.68 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 110 | 5550 | 21.16 | 21.04 | 20.96 | 20.84 | 20.76 | 20.68 | 20.52 | 20.48 | <24dBm |
| 134 | 5670 | 21.12 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

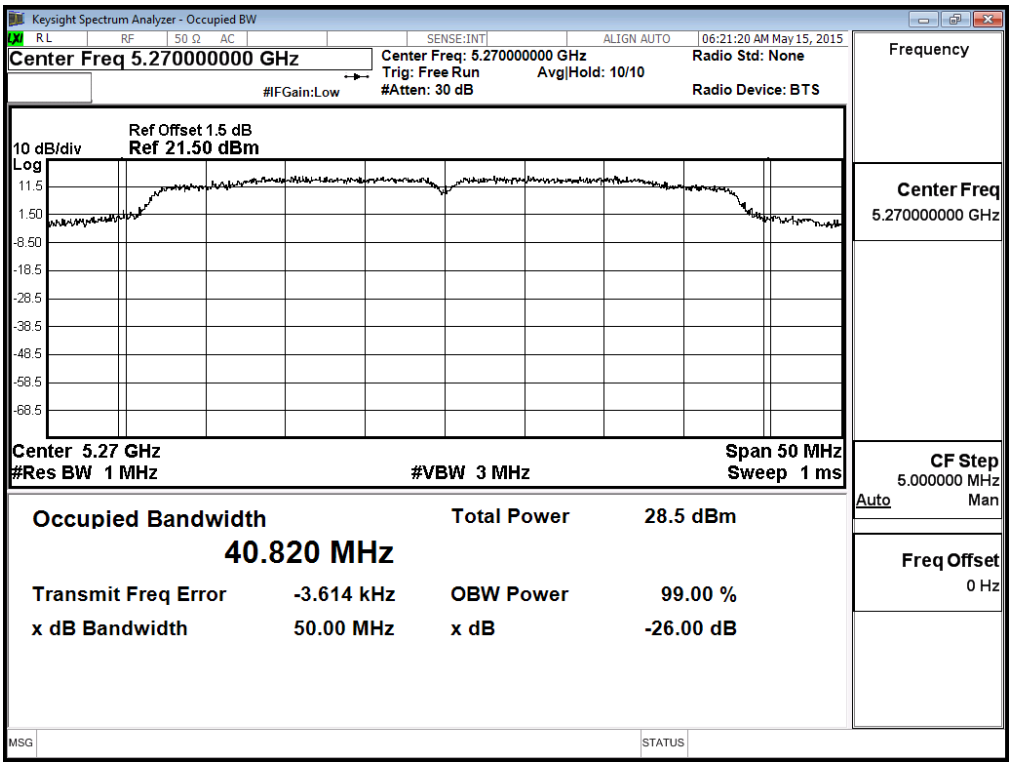
**Maximum conducted output power Measurement:**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 38 | 5190 | -- | 17.23 | 0.150 | 17.380 | 24 | -- |
| 46 | 5230 | -- | 21.12 | 0.150 | 21.270 | 24 | -- |
| 54 | 5270 | 40.820 | 21.2 | 0.150 | 21.350 | 24 | 27.11 |
| 62 | 5310 | 36.434 | 15.91 | 0.150 | 16.060 | 24 | 26.62 |
| 102 | 5510 | 36.485 | 16.68 | 0.150 | 16.830 | 24 | 26.62 |
| 110 | 5550 | 52.426 | 21.16 | 0.150 | 21.310 | 24 | 28.20 |
| 134 | 5670 | 37.206 | 21.12 | 0.150 | 21.270 | 24 | 26.71 |

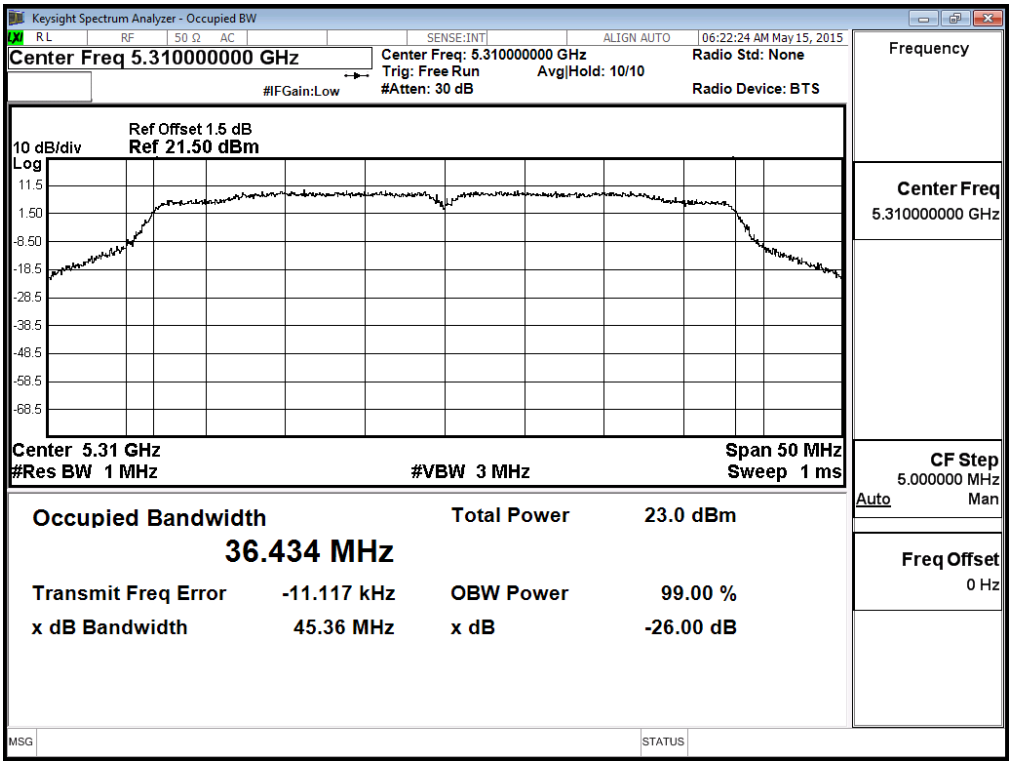
Note: Total Output Power Value = Output Power value + Duty Factor

## 99% Occupied Bandwidth:

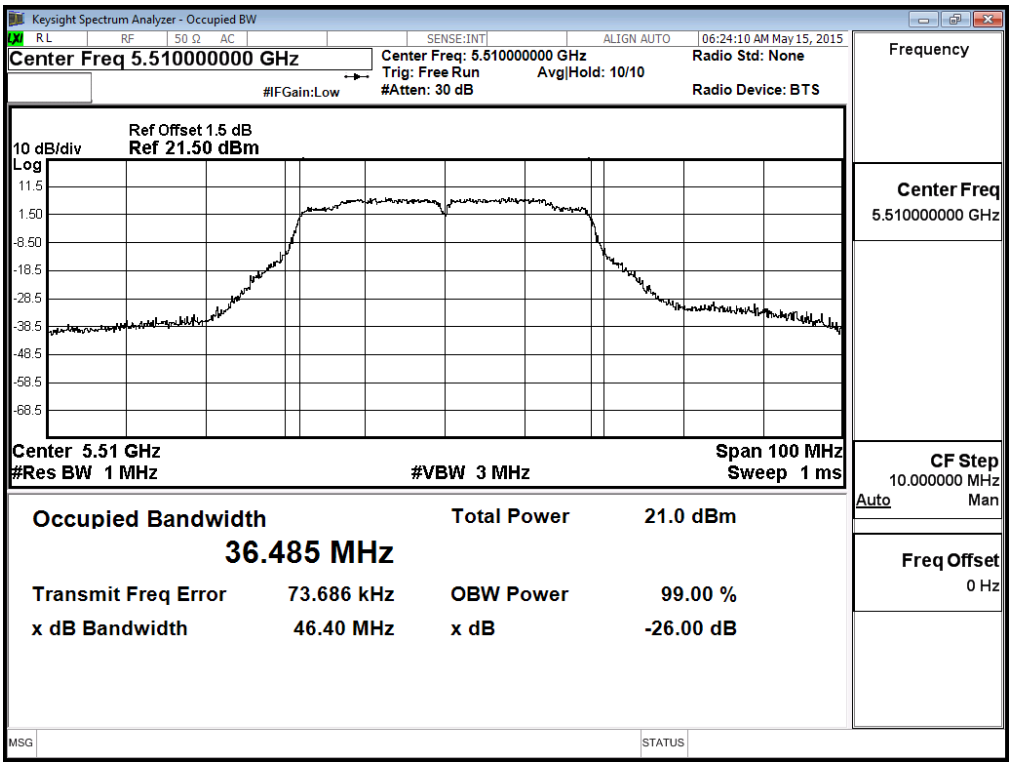
### Channel 54



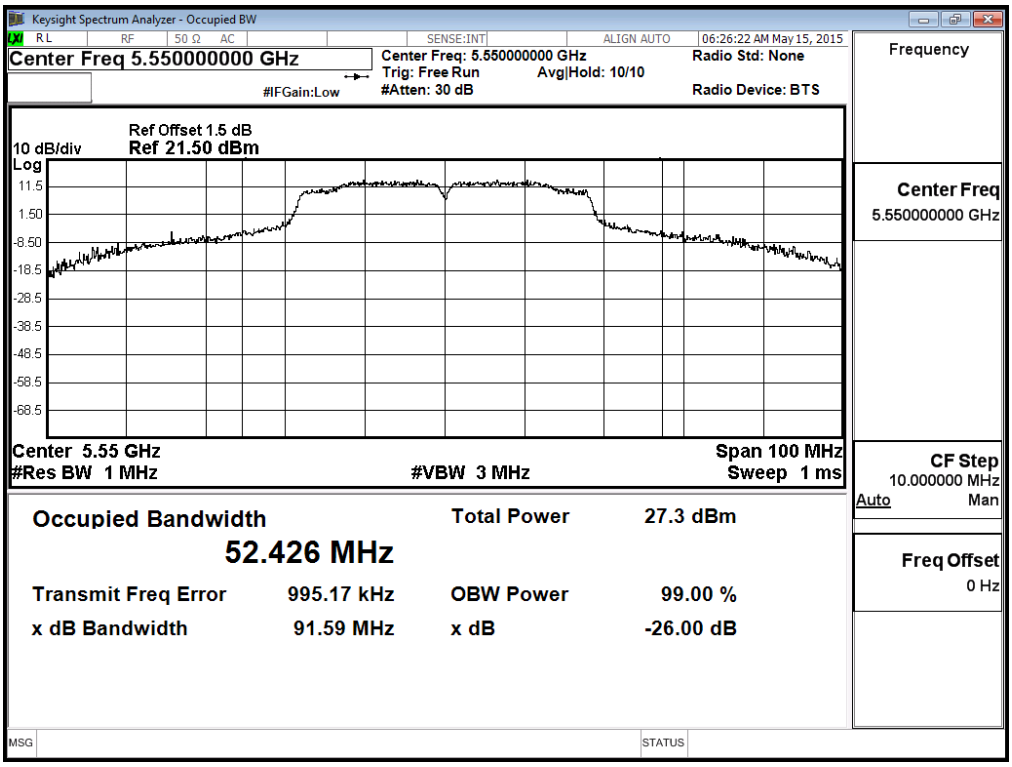

### Channel 62



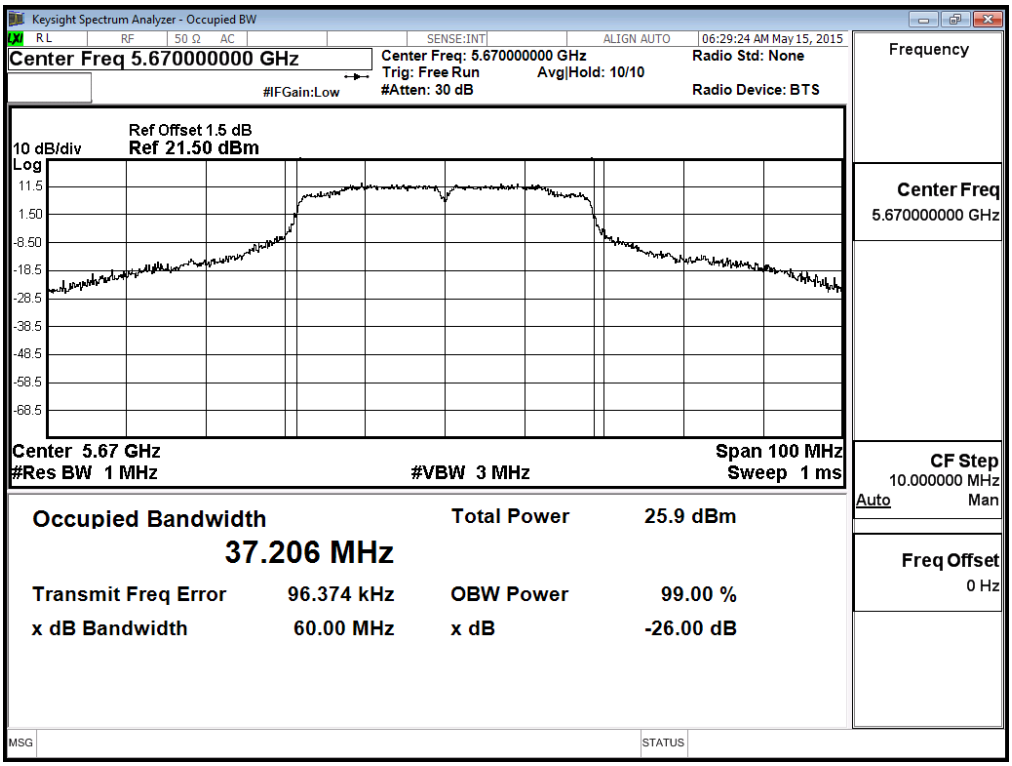
## Channel 102




## Channel 110



**Channel 134**


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
06:29:24 AM May 15, 2015
Center Freq 5.670000000 GHz
Center Freq: 5.670000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
Log
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
Center Freq
5.670000000 GHz
Center 5.67 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 100 MHz
Sweep 1 ms
CF Step
10.000000 MHz
Auto
Man
Occupied Bandwidth
37.206 MHz
Total Power
25.9 dBm
Freq Offset
0 Hz
Transmit Freq Error
96.374 kHz
OBW Power
99.00 %
x dB Bandwidth
60.00 MHz
x dB
-26.00 dB
MSG
STATUS

Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11ac-20BW-7.2Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | |
| | | Measurement Level (dBm) | | | | | | | | | |
| 144 (Band3) | 5720 | 17.97 | 17.82 | 17.73 | 17.56 | 17.45 | 17.32 | 17.27 | 17.16 | 17.08 | <24dBm |
| 144 (Band4) | 5720 | 10.64 | 10.58 | 10.46 | 10.31 | 10.18 | 10.07 | 9.94 | 9.83 | 9.74 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

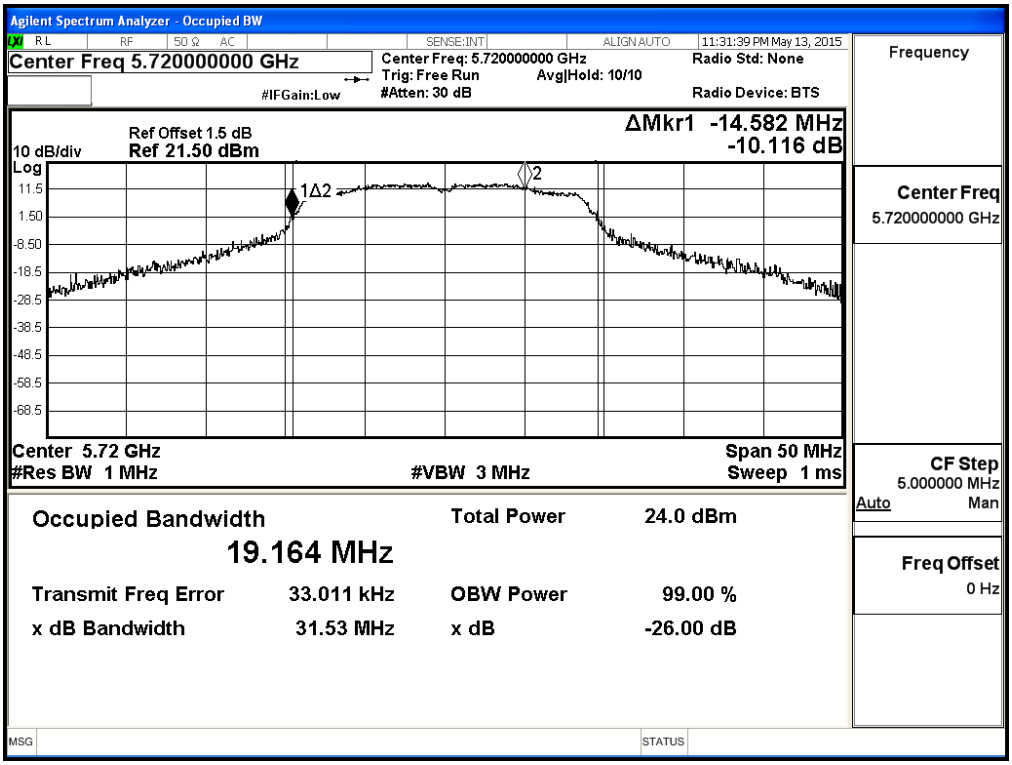
**Maximum conducted output power Measurement:**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 144(Band3) | 5720 | 14.582 | 17.97 | 0.110 | 18.080 | 24 | 22.64 |
| 144(Band4) | 5720 | 4.582 | 10.64 | 0.110 | 10.750 | 30 | 17.61 |

Note: Total Output Power Value = Output Power value + Duty Factor

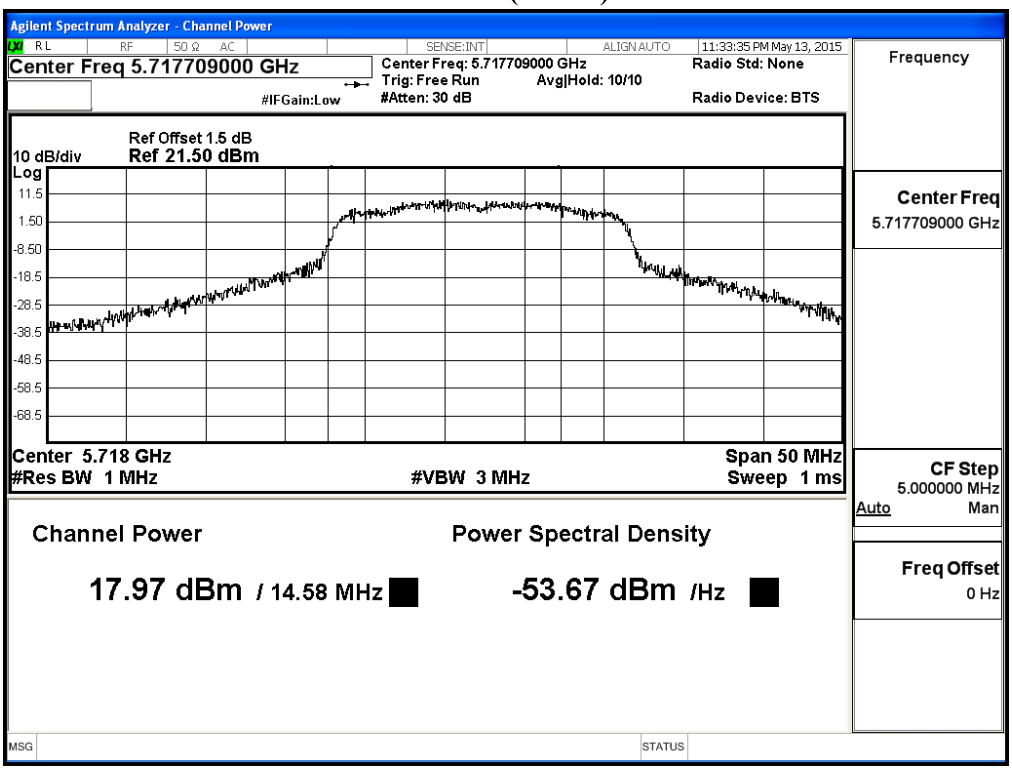
## 99% Occupied Bandwidth:

## Channel 144

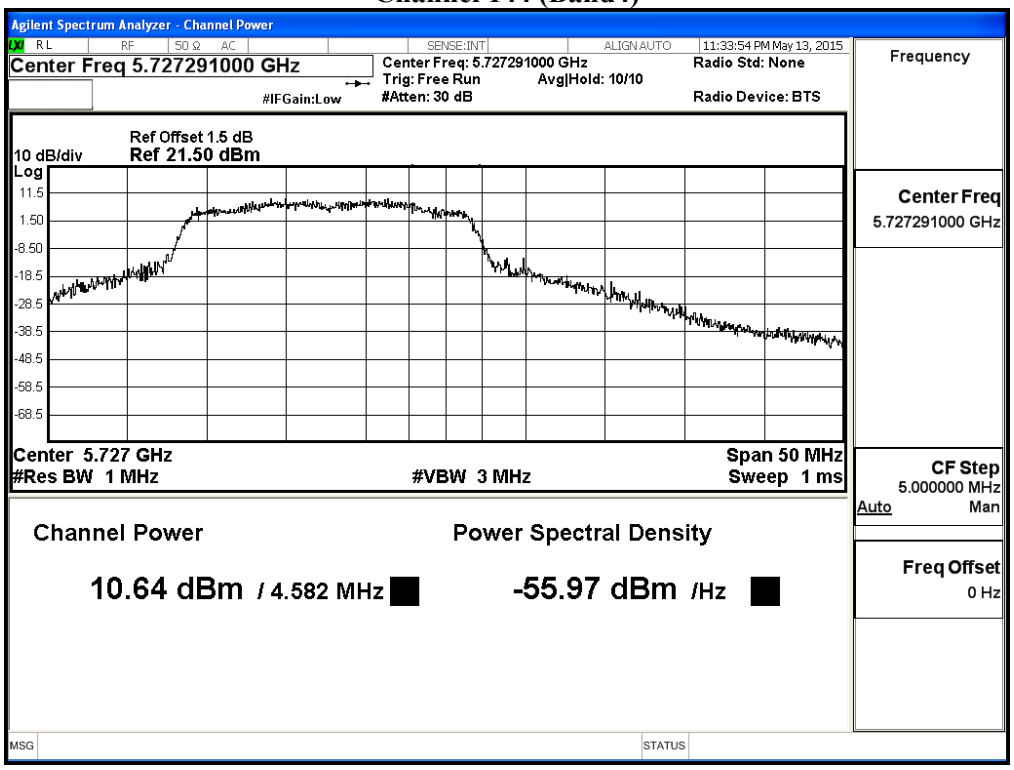


## Maximum conducted output power:

### Channel 144 (Band3)




### Channel 144 (Band4)



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11ac-40BW-15Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 142F(Band3) | 5710 | 18.31 | 18.2 | 18.11 | 18.03 | 17.93 | 17.84 | 17.65 | 17.57 | 17.42 | 17.37 | <24dBm |
| 142F(Band4) | 5710 | 5.42 | 5.33 | 5.21 | 5.17 | 5.02 | 4.93 | 4.76 | 4.62 | 4.47 | 4.33 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

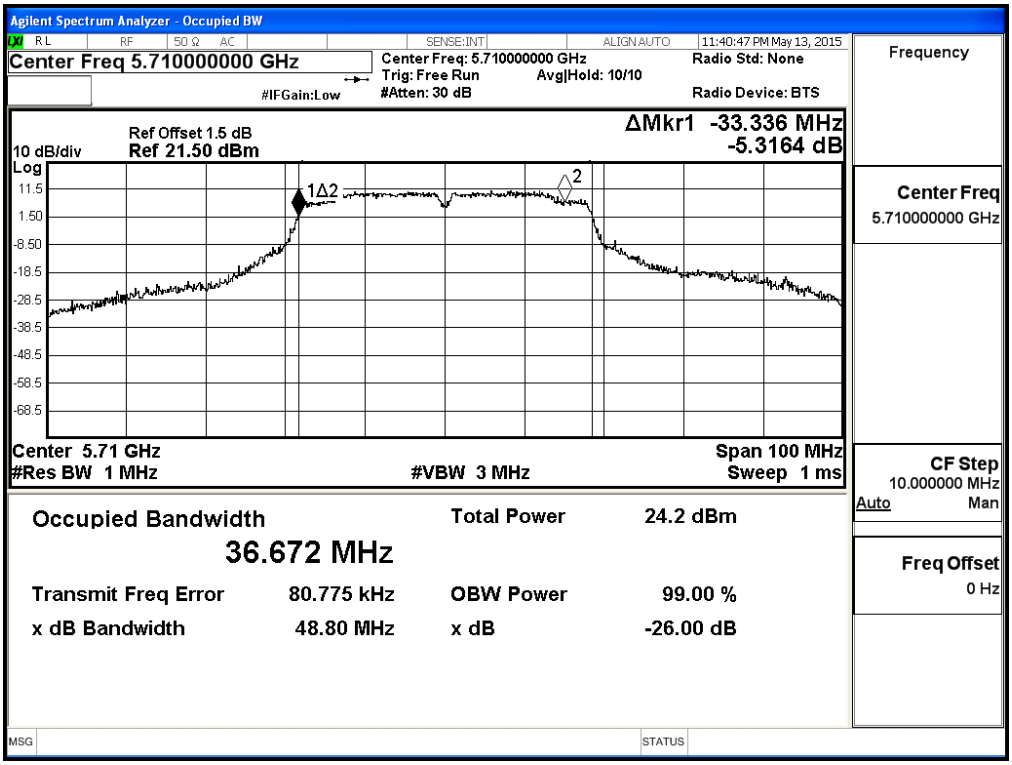
**Maximum conducted output power Measurement:**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 142F(Band3) | 5710 | 33.336 | 18.31 | 0.315 | 18.625 | 24 | 26.23 |
| 142F(Band4) | 5710 | 3.336 | 5.42 | 0.315 | 5.735 | 30 | 16.23 |

Note: Total Output Power Value = Output Power value + Duty Factor

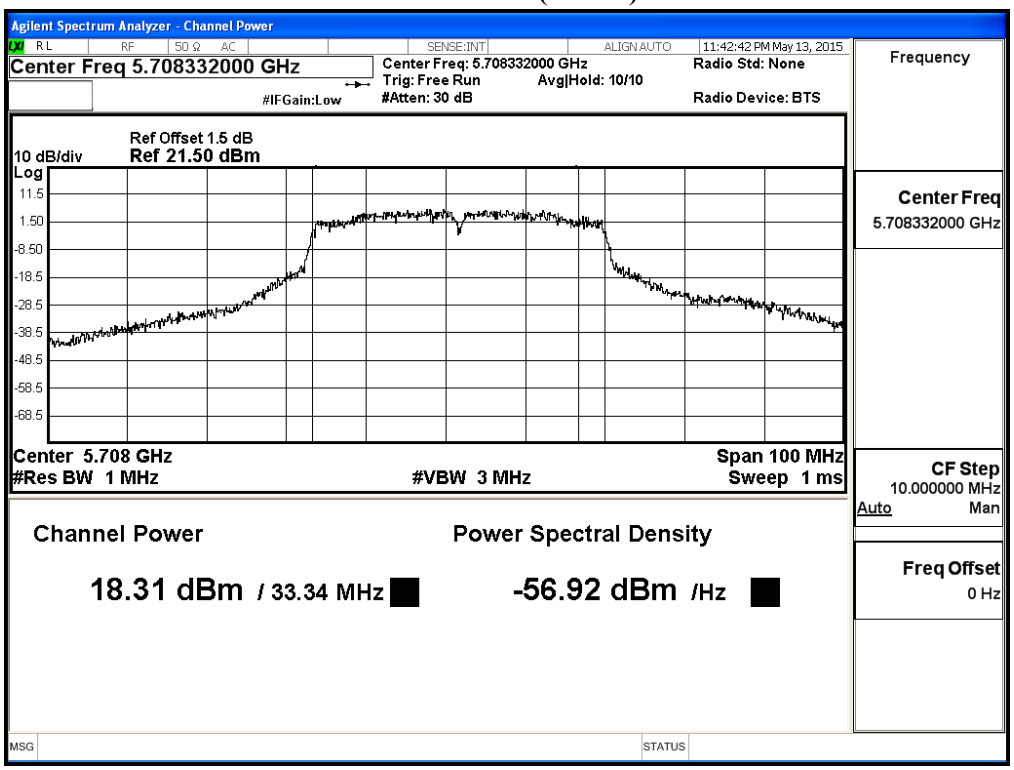
## 99% Occupied Bandwidth:

## Channel 142

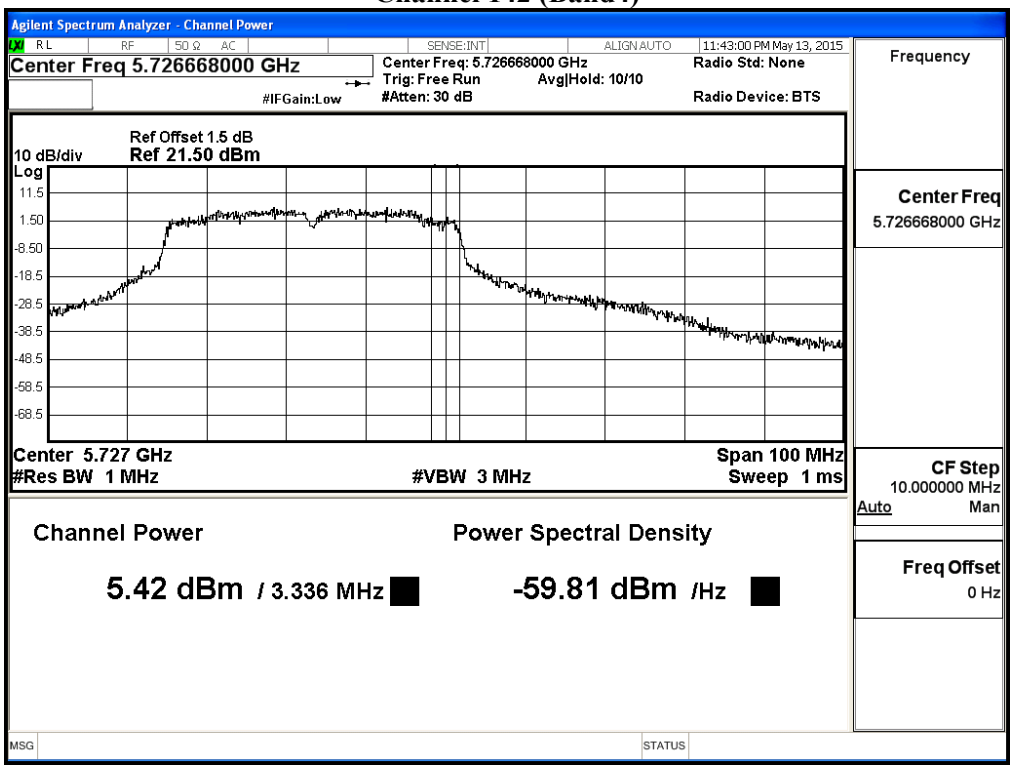


## Maximum conducted output power:

### Channel 142 (Band3)




### Channel 142 (Band4)



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 2 SISO B: Transmit (802.11ac-80BW-32.5Mbps)

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 42 | 5210 | 16.74 | 16.63 | 16.61 | 16.59 | 16.57 | 16.55 | 16.53 | 16.51 | 16.49 | 16.47 | <30dBm |
| 58 | 5290 | 15.94 | 15.82 | 15.74 | 15.66 | 15.52 | 15.44 | 15.31 | 15.2 | 15.06 | 14.93 | <24dBm |
| 106 | 5530 | 14.99 | 14.83 | 14.67 | 14.55 | 14.47 | 14.36 | 14.27 | 14.19 | 14.02 | 13.97 | <24dBm |
| 122 | 5610 | 16.19 | 16.11 | 16.03 | 15.95 | 15.87 | 15.79 | 15.71 | 15.63 | 15.55 | 15.47 | <24dBm |
| 138(Band3) | 5690 | 17.4 | 17.36 | 17.22 | 17.19 | 17.02 | 16.87 | 16.72 | 16.63 | 16.58 | 16.47 | <24dBm |
| 138(Band4) | 5690 | 0.11 | 0.05 | -0.14 | -0.27 | -0.46 | -0.57 | -0.63 | -0.74 | -0.88 | -0.97 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

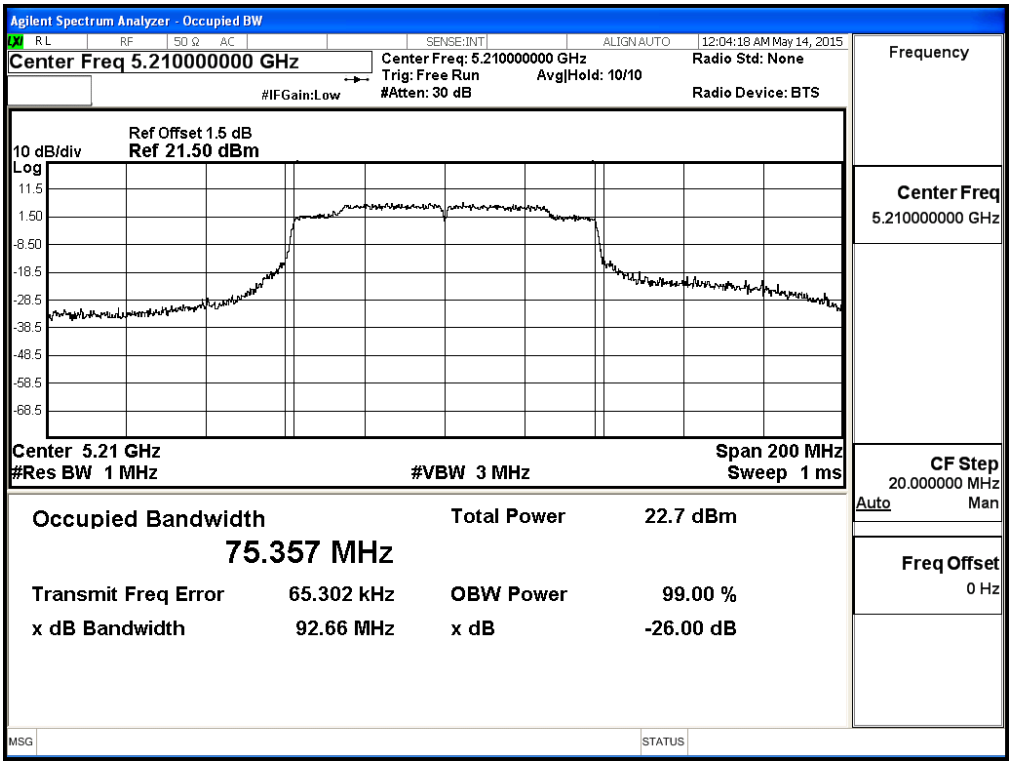
**Maximum conducted output power Measurement**

| Channel No | Frequency Range (MHz) | 99% Bandwidth (MHz) | Output Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|
| | | | | | | (dBm) | dBm+10log(BW) |
| 42 | 5210 | 75.357 | 16.74 | 0.283 | 17.023 | 24 | 29.77 |
| 58 | 5290 | 75.272 | 15.94 | 0.283 | 16.223 | 24 | 29.77 |
| 106 | 5530 | 75.249 | 14.99 | 0.283 | 15.273 | 24 | 29.77 |
| 122 | 5610 | 75.121 | 16.19 | 0.283 | 16.473 | 24 | 29.76 |
| 138(Band3) | 5690 | 72.709 | 17.40 | 0.283 | 17.683 | 24 | 29.62 |
| 138(Band4) | 5690 | 2.709 | 0.11 | 0.283 | 0.393 | 30 | 21.33 |

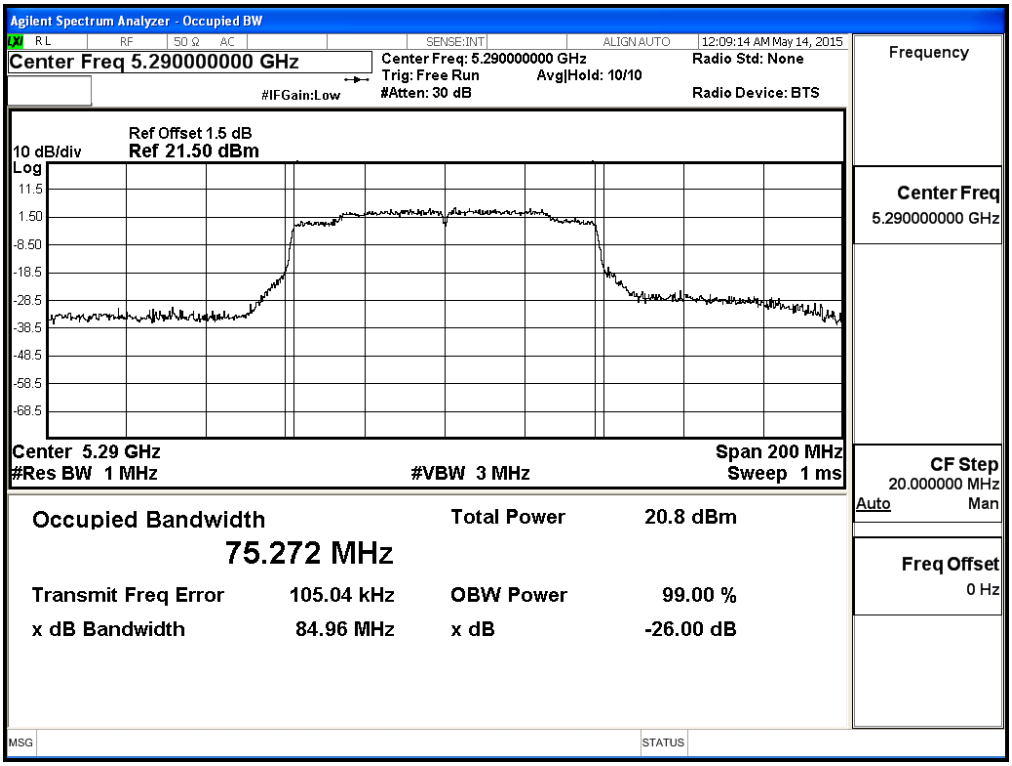
Note: Total Output Power Value = Output Power value + Duty Factor

## 99% Occupied Bandwidth:

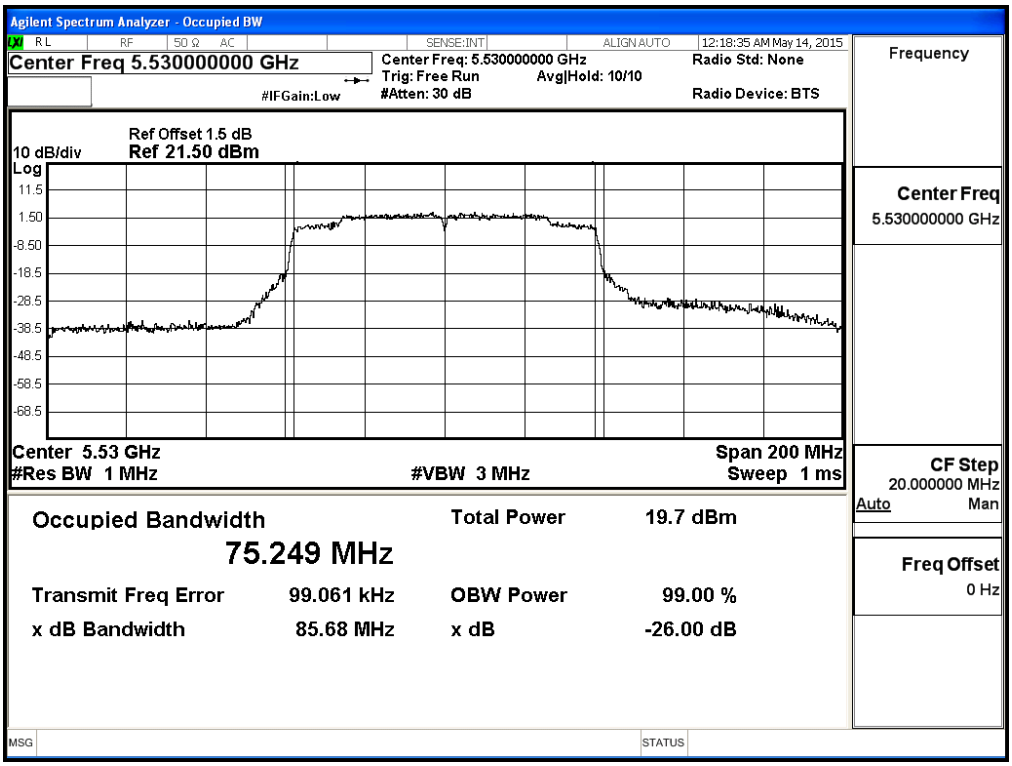
### Channel 42



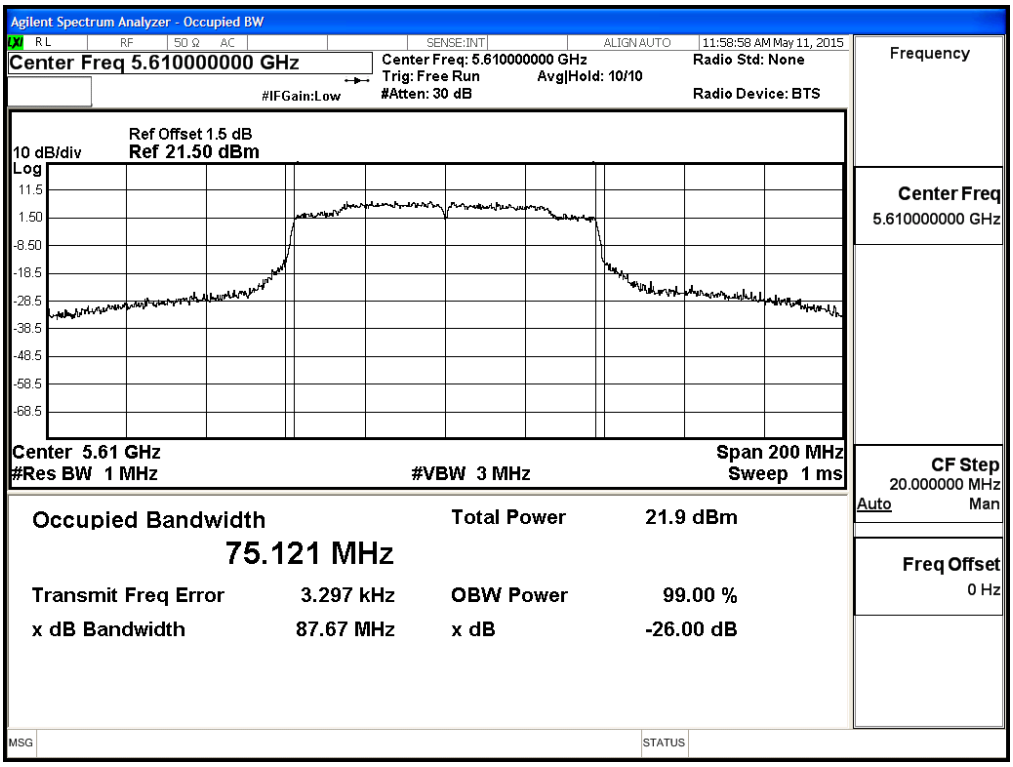

### Channel 58



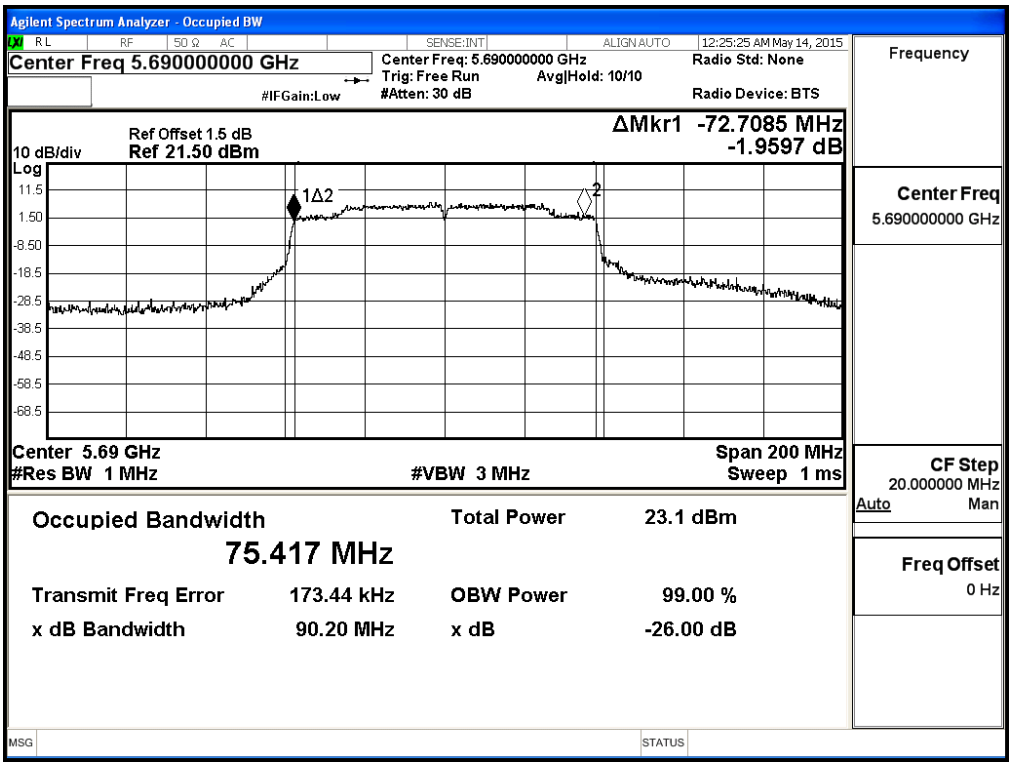
## Channel 106




## Channel 122

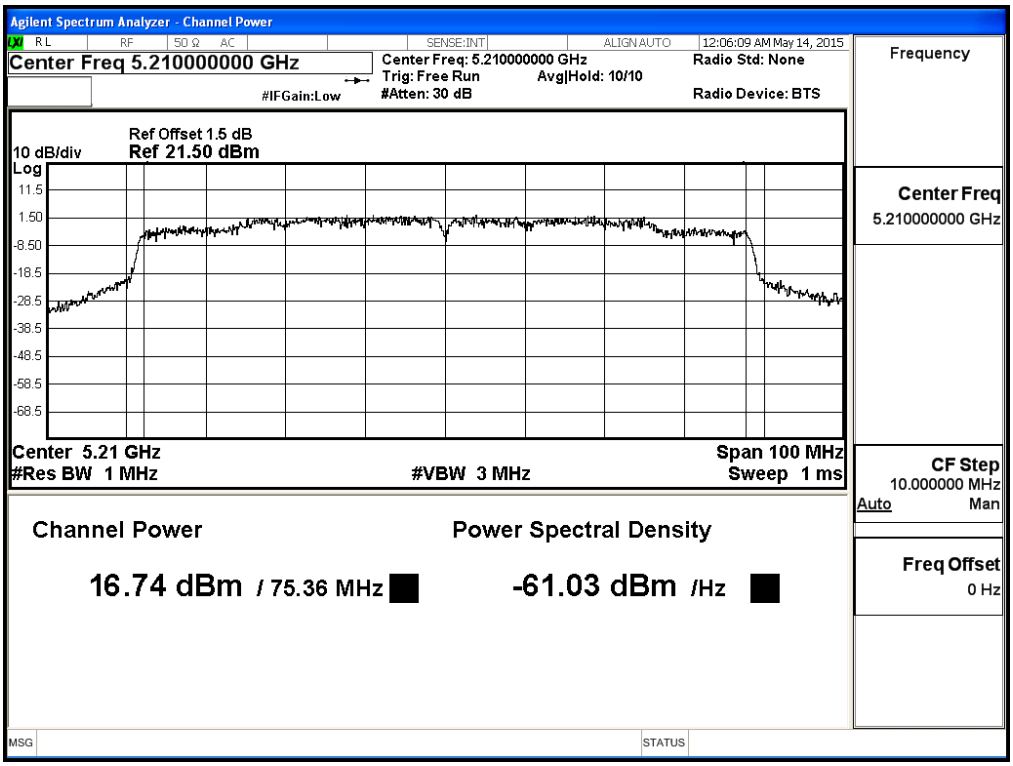


**Channel 138**


Agilent Spectrum Analyzer - Occupied BW
RL
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
12:25:25 AM May 14, 2015
Center Freq 5.690000000 GHz
Center Freq: 5.690000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#IFGain:Low
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 1.5 dB
10 dB/div
Ref 21.50 dBm
ΔMkr1 -72.7085 MHz
-1.9597 dB
Log
11.5
1.50
-8.50
-18.5
-28.5
-38.5
-48.5
-58.5
-68.5
1Δ2
2
Center Freq
5.690000000 GHz
Center 5.69 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 200 MHz
Sweep 1 ms
CF Step
20.000000 MHz
Auto
Man
Occupied Bandwidth
75.417 MHz
Total Power
23.1 dBm
Freq Offset
0 Hz
Transmit Freq Error
173.44 kHz
OBW Power
99.00 %
x dB Bandwidth
90.20 MHz
x dB
-26.00 dB
MSG
STATUS

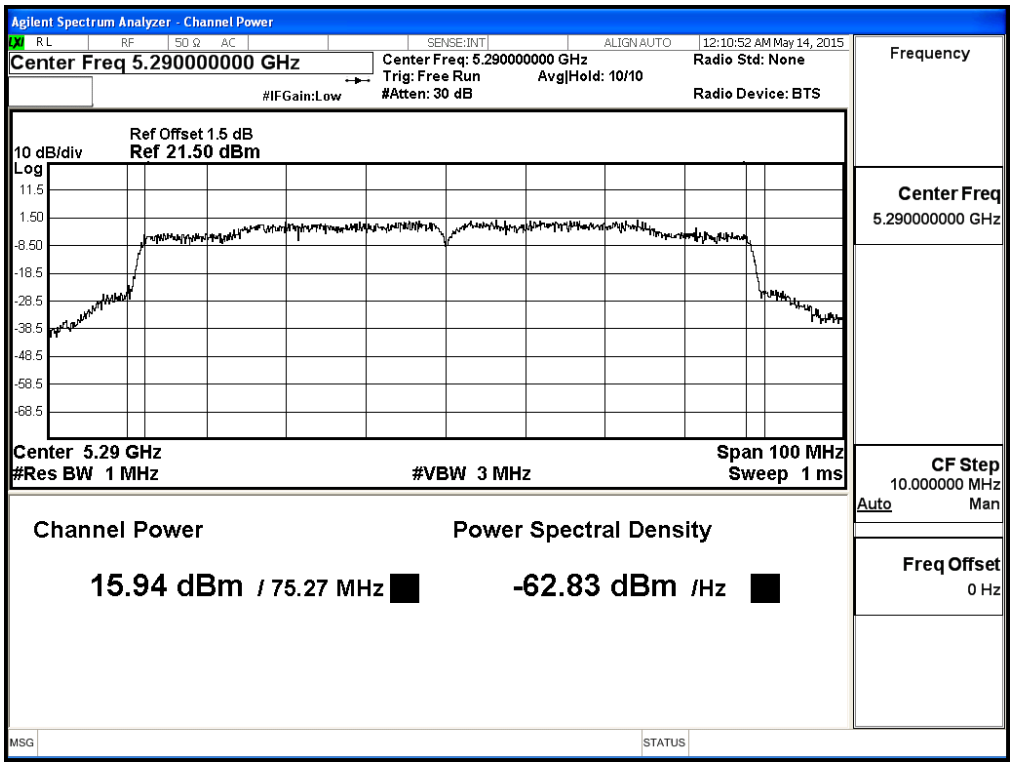
**Maximum conducted output power:**

**Channel 42**



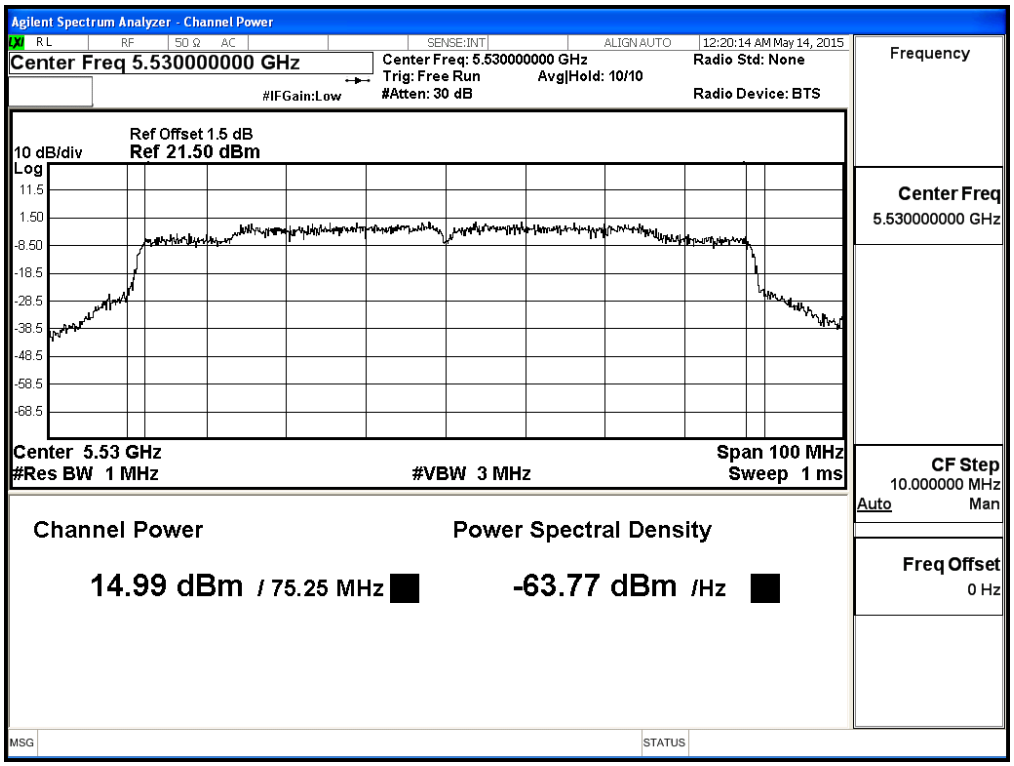

**Maximum conducted output power:**

**Channel 58**



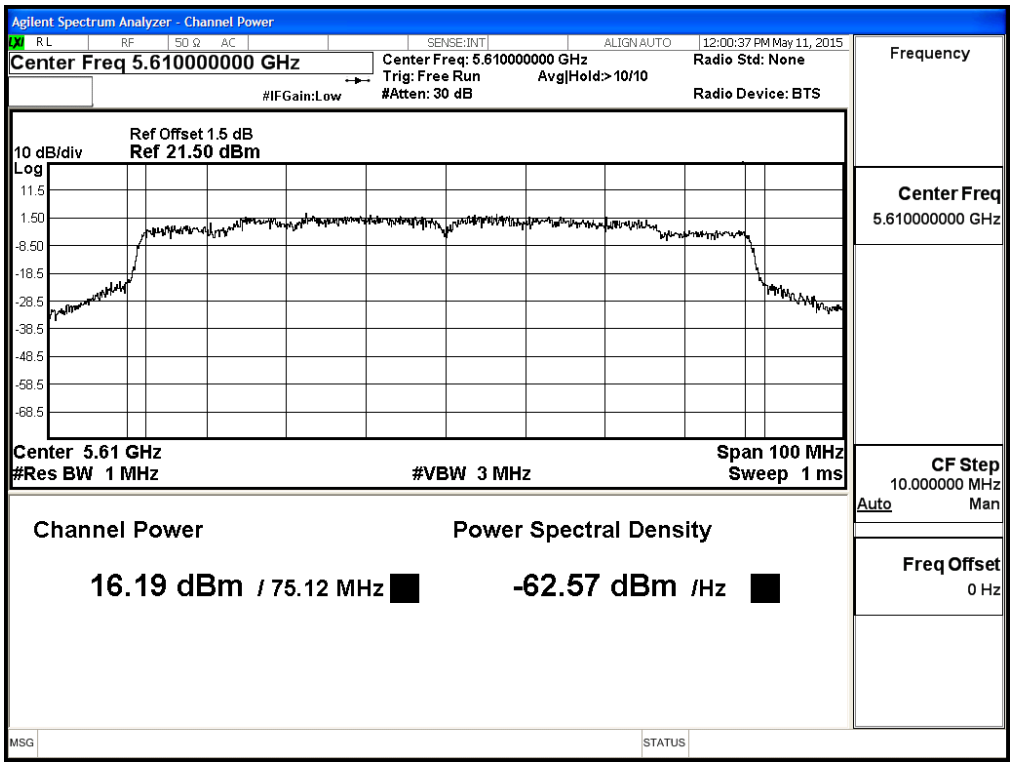
**Maximum conducted output power:**

**Channel 106**



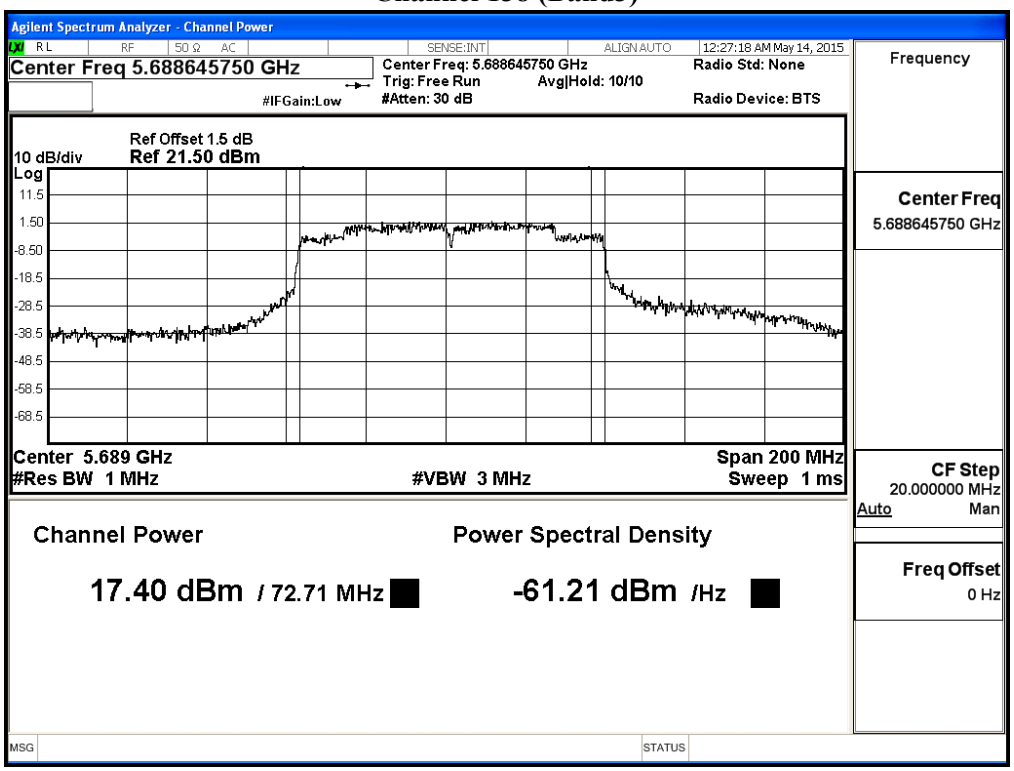

**Maximum conducted output power:**

**Channel 122**



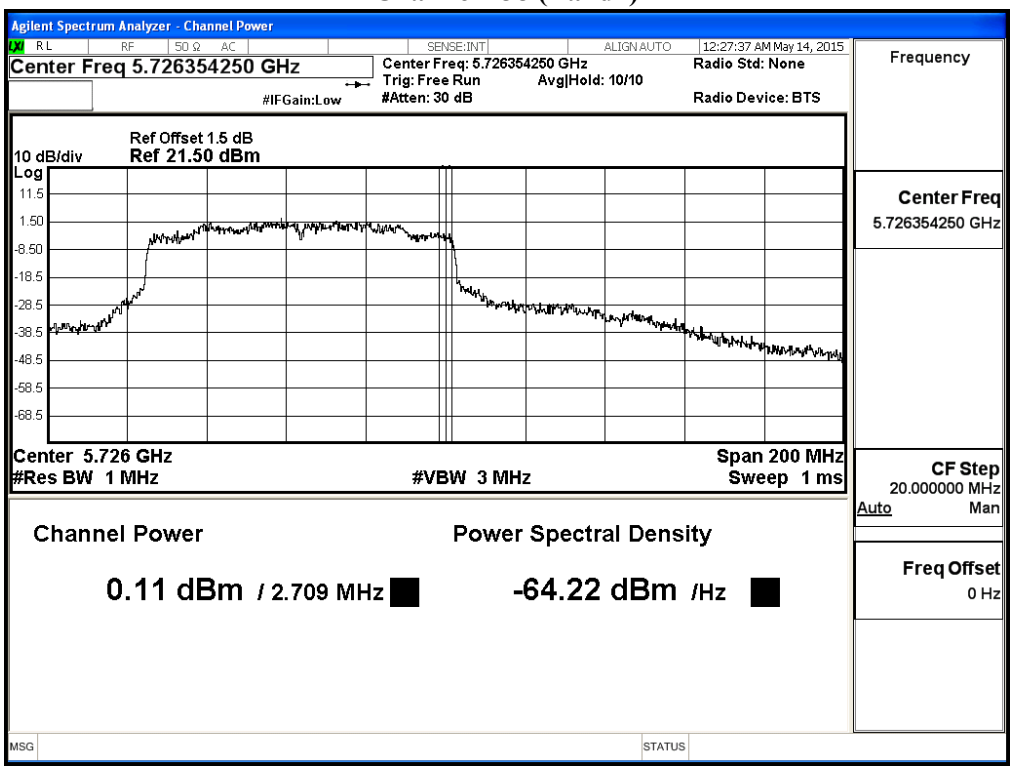
**Maximum conducted output power:**

**Channel 138 (Band3)**




**Maximum conducted output power:**

**Channel 138 (Band4)**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11n-20BW 14.4Mbps)

**CHAIN A**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | HT8 | HT9 | HT10 | HT11 | HT12 | HT13 | HT14 | HT15 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 18.19 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 44 | 5220 | 18.25 | 18.16 | 18.02 | 17.93 | 17.87 | 17.73 | 17.66 | 17.58 | <30dBm |
| 48 | 5240 | 18.02 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 52 | 5260 | 18.25 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 18.41 | 18.36 | 18.25 | 18.17 | 18.02 | 17.96 | 17.87 | 17.71 | <24dBm |
| 64 | 5320 | 17.01 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 17.21 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 18.53 | 18.46 | 18.33 | 18.2 | 18.17 | 18.02 | 17.93 | 17.85 | <24dBm |
| 140 | 5700 | 18.68 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**CHAIN B**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | HT8 | HT9 | HT10 | HT11 | HT12 | HT13 | HT14 | HT15 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 36 | 5180 | 18.41 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 44 | 5220 | 17.99 | 17.86 | 17.73 | 17.64 | 17.55 | 17.48 | 17.32 | 17.28 | <30dBm |
| 48 | 5240 | 17.97 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 52 | 5260 | 17.81 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 60 | 5300 | 17.99 | 17.85 | 17.79 | 17.62 | 17.54 | 17.43 | 17.33 | 17.26 | <24dBm |
| 64 | 5320 | 16.78 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 100 | 5500 | 17.32 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 116 | 5580 | 17.89 | 17.76 | 17.69 | 17.52 | 17.48 | 17.39 | 17.24 | 17.11 | <24dBm |
| 140 | 5700 | 17.6 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

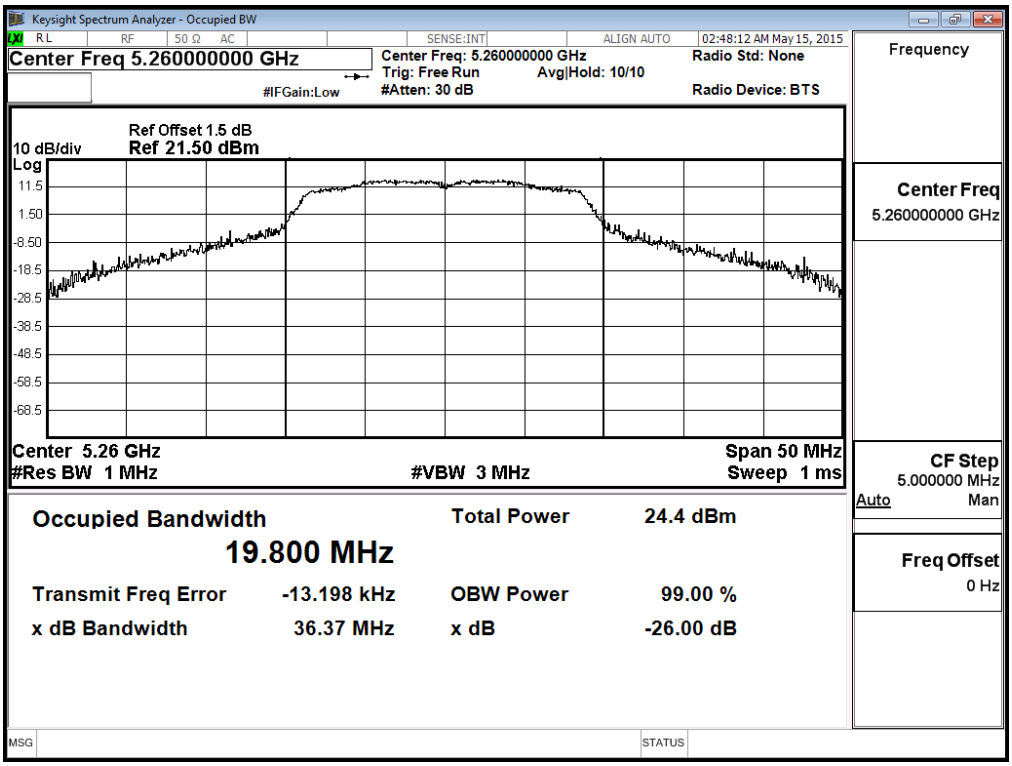
**(CHAIN A+ B)**

| Channel Number | Frequency (MHz) | 99% Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | (dBm) | dBm+10log(BW) |
| 36 | 5180 | -- | 18.19 | 18.41 | 0.088 | 21.400 | 24 | -- |
| 44 | 5220 | -- | 18.25 | 17.99 | 0.088 | 21.220 | 24 | -- |
| 48 | 5240 | -- | 18.02 | 17.97 | 0.088 | 21.093 | 24 | -- |
| 52 | 5260 | 19.142 | 18.25 | 17.81 | 0.088 | 21.134 | 24 | 23.82 |
| 60 | 5300 | 19.949 | 18.41 | 17.99 | 0.088 | 21.303 | 24 | 24.00 |
| 64 | 5320 | 18.564 | 17.01 | 16.78 | 0.088 | 19.995 | 24 | 23.69 |
| 100 | 5500 | 18.567 | 17.21 | 17.32 | 0.088 | 20.364 | 24 | 23.69 |
| 116 | 5580 | 18.785 | 18.53 | 17.89 | 0.088 | 21.320 | 24 | 23.74 |
| 140 | 5700 | 17.373 | 18.68 | 17.60 | 0.088 | 21.272 | 24 | 23.40 |

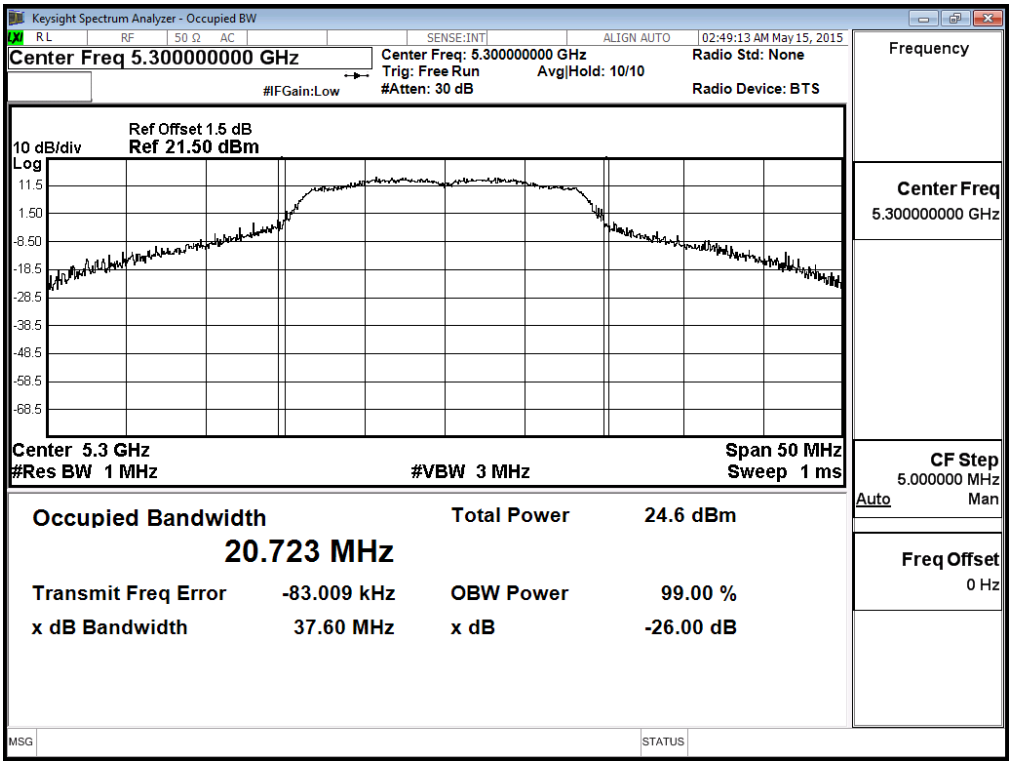
Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

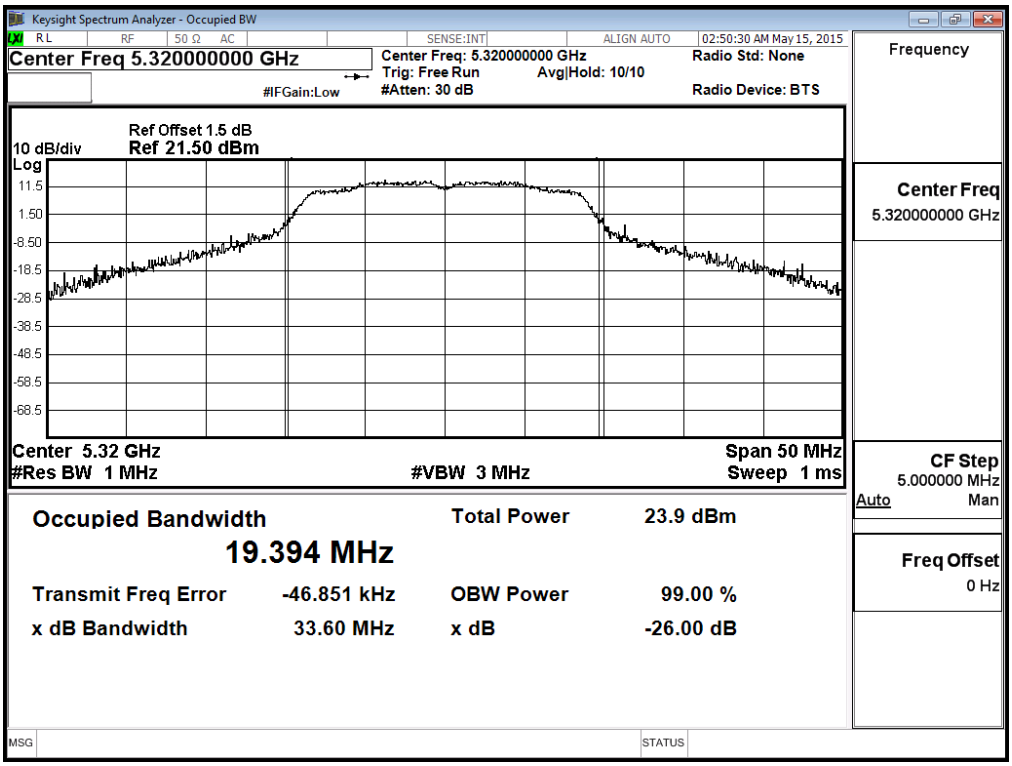
**99% Occupied Bandwidth:**
**Channel 52 -Chain A**



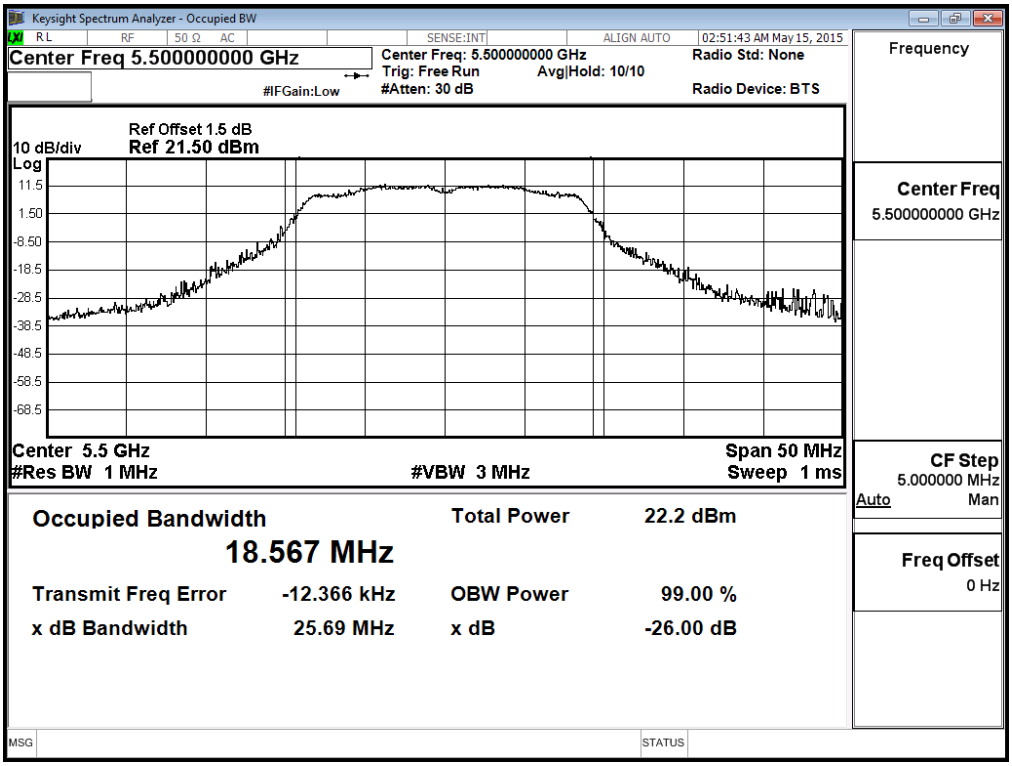

**Channel 60 -Chain A**



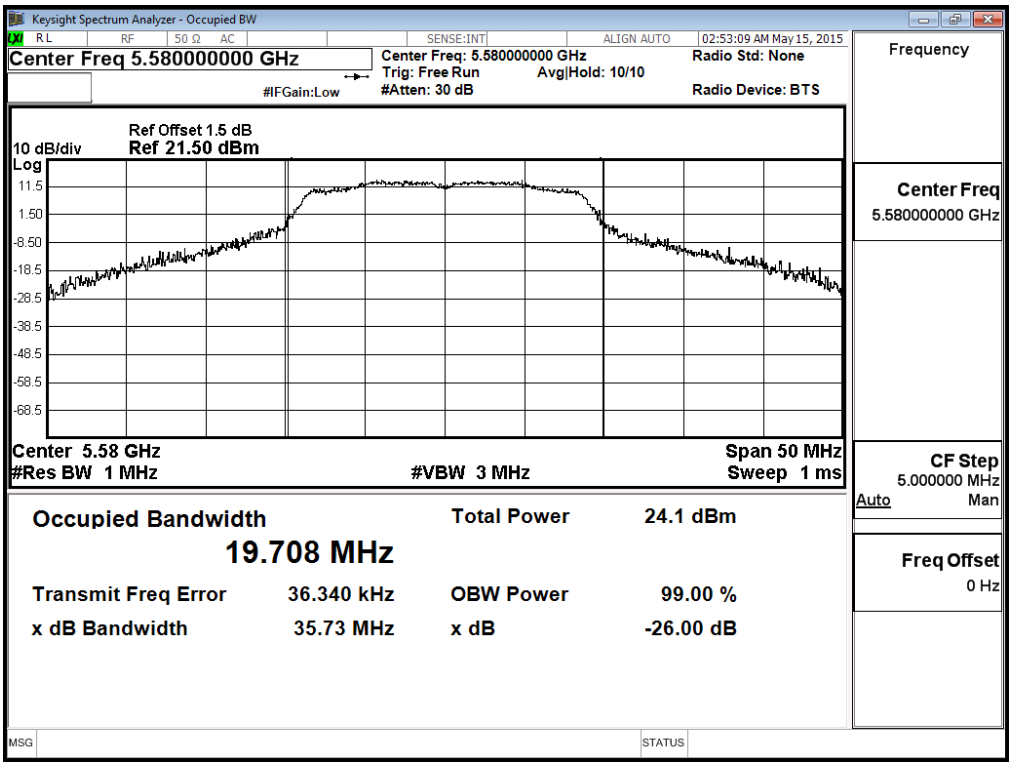
**Channel 64 -Chain A**



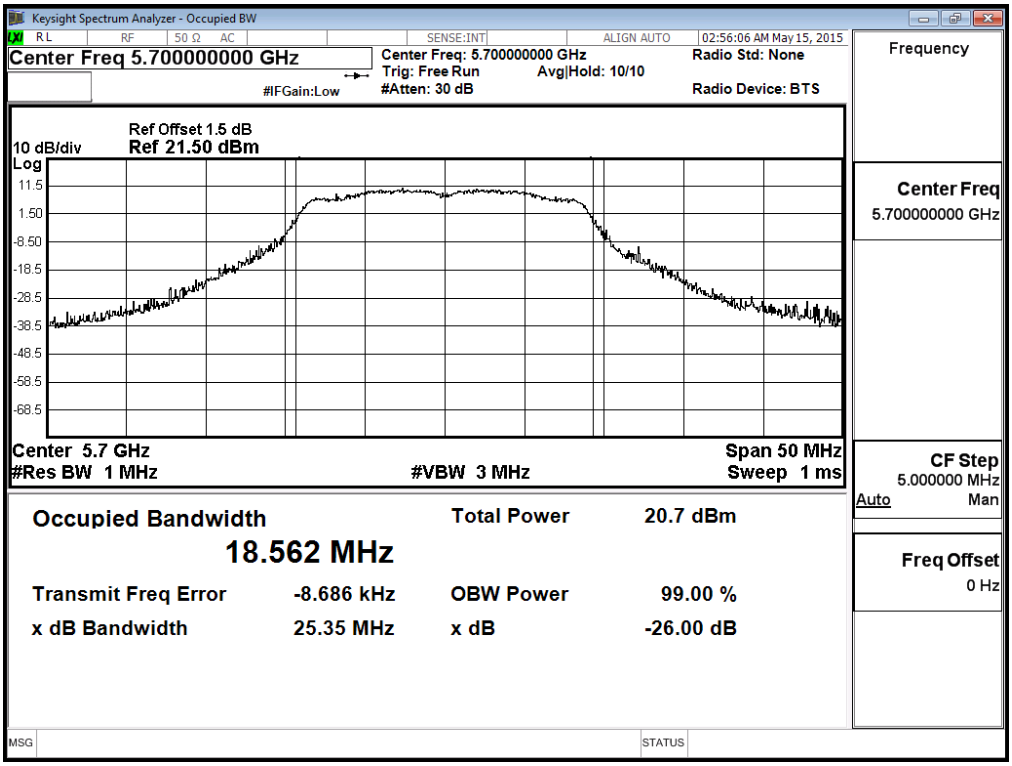

**Channel 100 -Chain A**



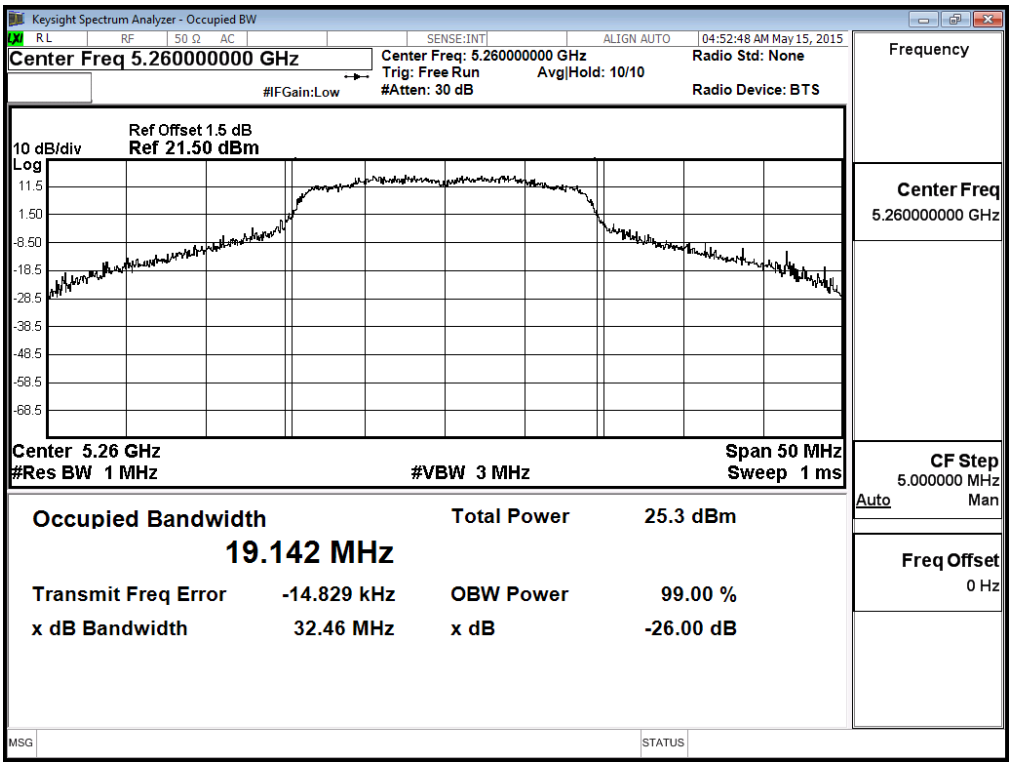
**Channel 116 -Chain A**



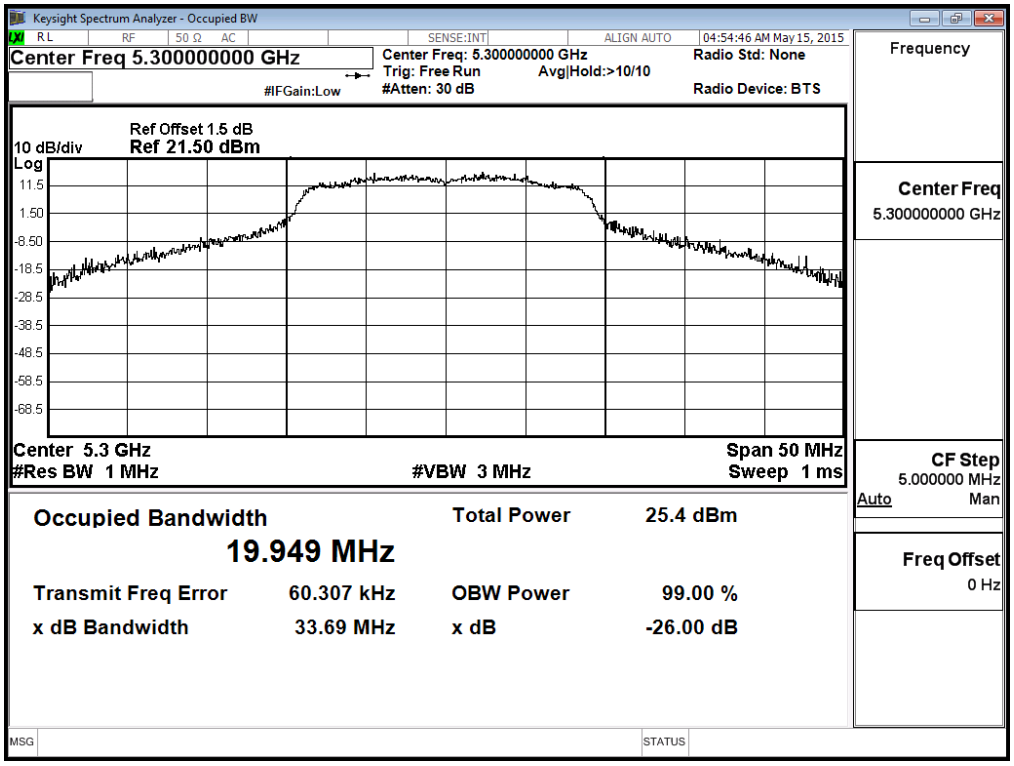

**Channel 140 -Chain A**



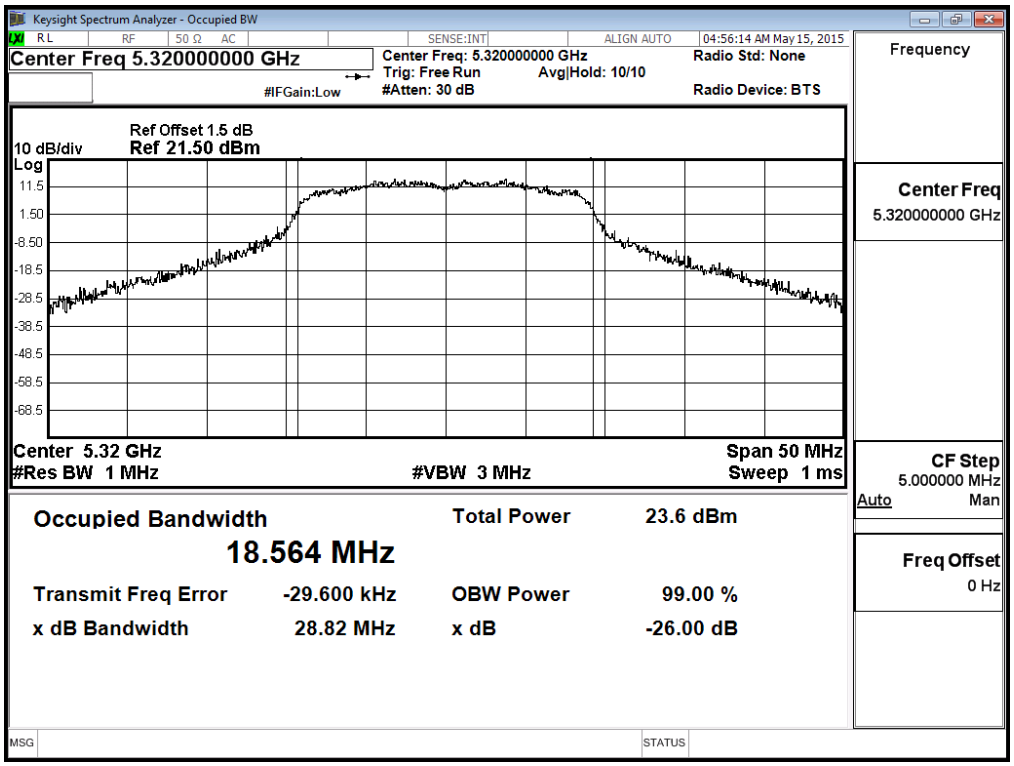
**99% Occupied Bandwidth:**
**Channel 52 -Chain B**



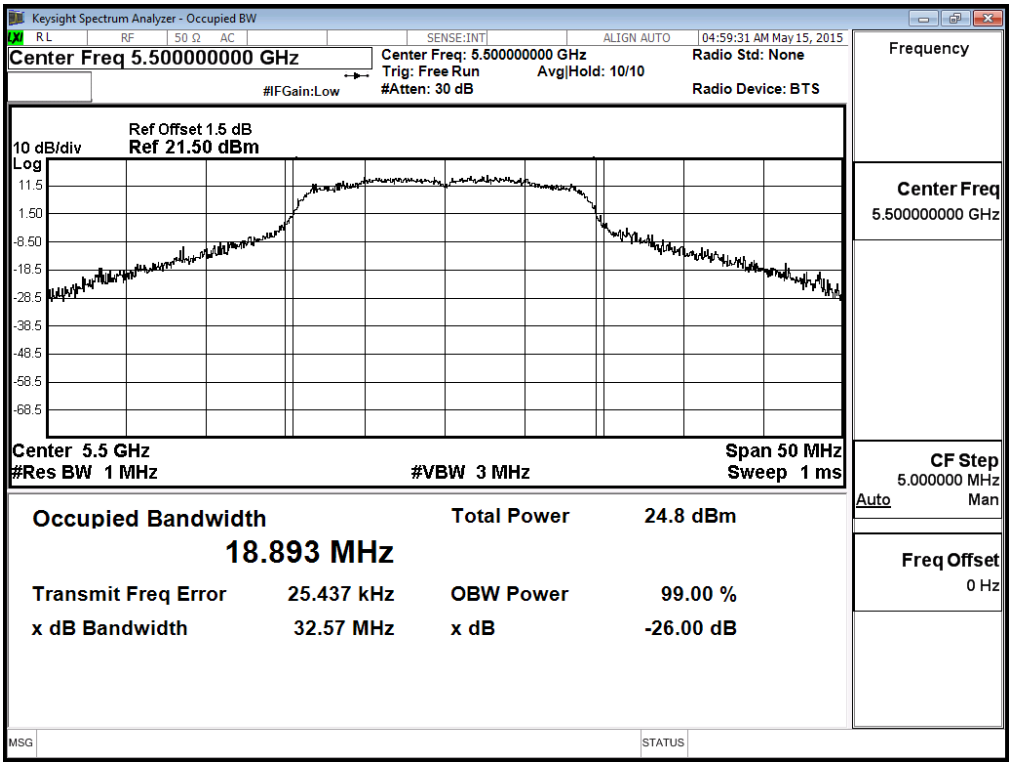

**Channel 60 -Chain B**



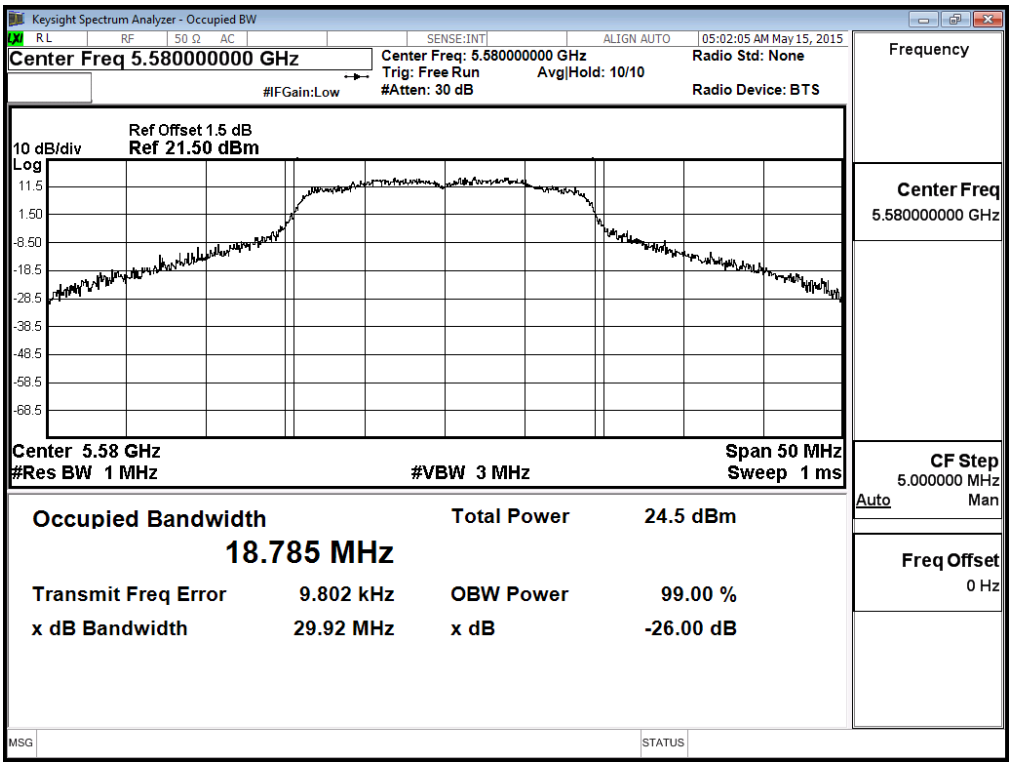
**Channel 64 -Chain B**



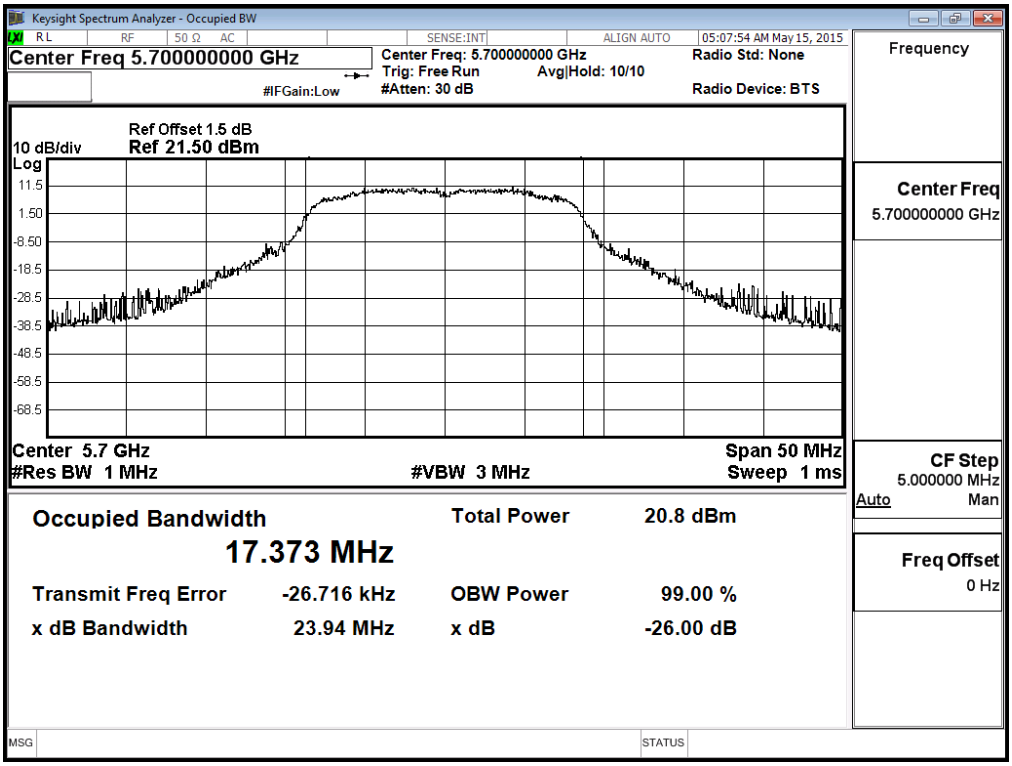

**Channel 100 -Chain B**



**Channel 116 -Chain B**




**Channel 140 -Chain B**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11n-40BW 30Mbps)

**CHAIN A**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | HT8 | HT9 | HT10 | HT11 | HT12 | HT13 | HT14 | HT15 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 38 | 5190 | 15.76 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 46 | 5230 | 18.14 | 18.03 | 17.94 | 17.86 | 17.74 | 17.66 | 17.53 | 17.49 | <30dBm |
| 54 | 5270 | 18.24 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 62 | 5310 | 14.81 | 14.74 | 14.67 | 14.52 | 14.44 | 14.38 | 14.21 | 14.19 | <24dBm |
| 102 | 5510 | 16.14 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 110 | 5550 | 18.55 | 18.43 | 18.39 | 18.24 | 18.17 | 18.05 | 17.97 | 17.83 | <24dBm |
| 134 | 5670 | 18.5 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**CHAIN B**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | Required Limit |
| | | HT8 | HT9 | HT10 | HT11 | HT12 | HT13 | HT14 | HT15 | |
| | | Measurement Level (dBm) | | | | | | | | |
| 38 | 5190 | 15.75 | -- | -- | -- | -- | -- | -- | -- | <30dBm |
| 46 | 5230 | 17.83 | 17.76 | 17.61 | 17.58 | 17.47 | 17.32 | 17.29 | 17.14 | <30dBm |
| 54 | 5270 | 17.7 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 62 | 5310 | 14.62 | 14.53 | 14.47 | 14.36 | 14.29 | 14.17 | 14.05 | 13.93 | <24dBm |
| 102 | 5510 | 16.08 | -- | -- | -- | -- | -- | -- | -- | <24dBm |
| 110 | 5550 | 18.08 | 17.93 | 17.87 | 17.76 | 17.63 | 17.54 | 17.48 | 17.31 | <24dBm |
| 134 | 5670 | 17.72 | -- | -- | -- | -- | -- | -- | -- | <24dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

**(CHAIN A+ B)**

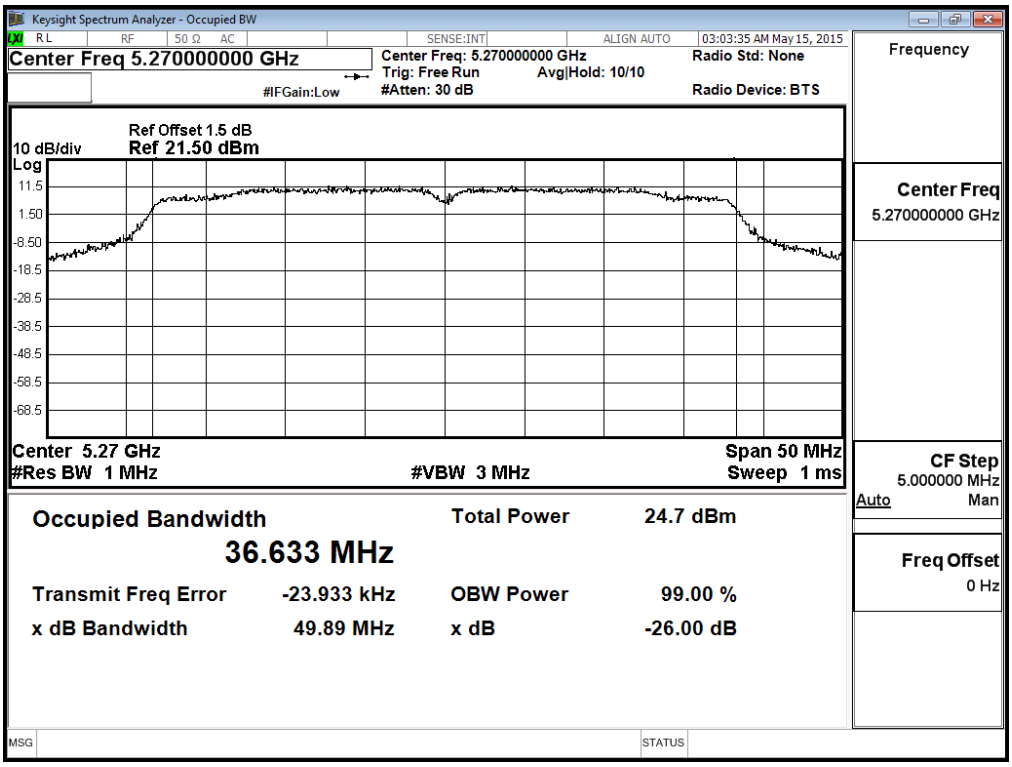
| Channel Number | Frequency (MHz) | 99% Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | (dBm) | dBm+10log(BW) |
| 38 | 5190 | -- | 15.76 | 15.75 | 0.150 | 18.915 | 24 | -- |
| 46 | 5230 | -- | 18.14 | 17.83 | 0.150 | 21.148 | 24 | -- |
| 54 | 5270 | 36.544 | 18.24 | 17.70 | 0.150 | 21.139 | 24 | 26.63 |
| 62 | 5310 | 36.356 | 14.81 | 14.62 | 0.150 | 17.876 | 24 | 26.61 |
| 102 | 5510 | 36.412 | 16.14 | 16.08 | 0.150 | 19.270 | 24 | 26.61 |
| 110 | 5550 | 36.495 | 18.55 | 18.08 | 0.150 | 21.482 | 24 | 26.62 |
| 134 | 5670 | 36.427 | 18.50 | 17.72 | 0.150 | 21.288 | 24 | 26.61 |

Note:

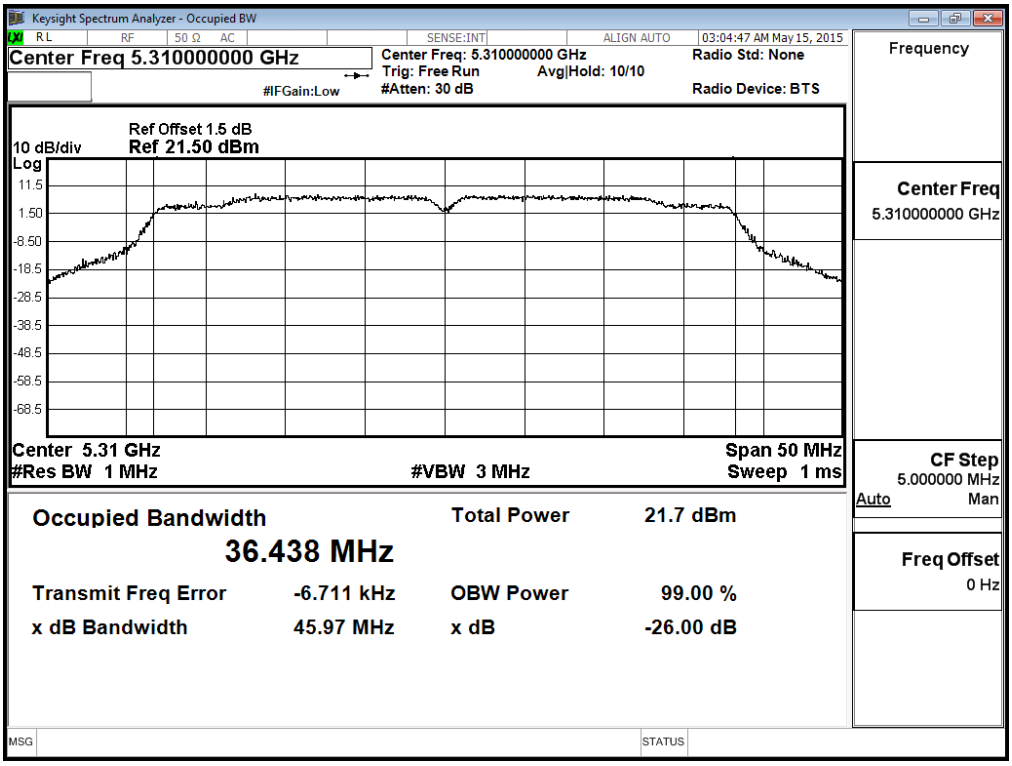
1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

## 99% Occupied Bandwidth:

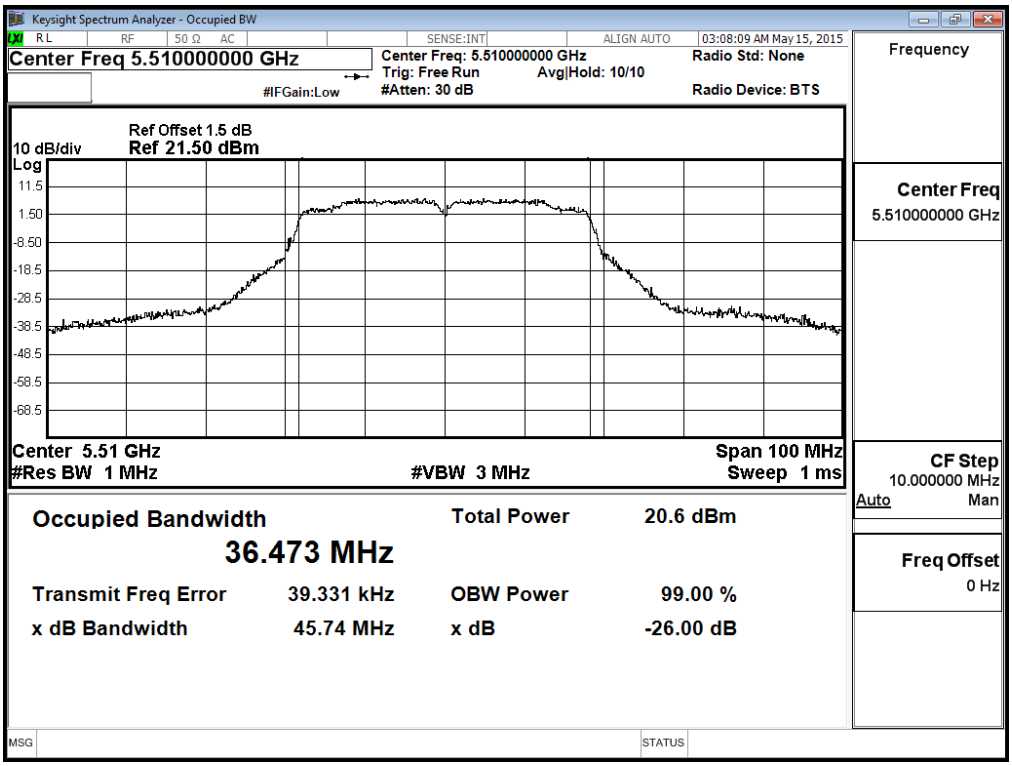
### Channel 54 – Chain A



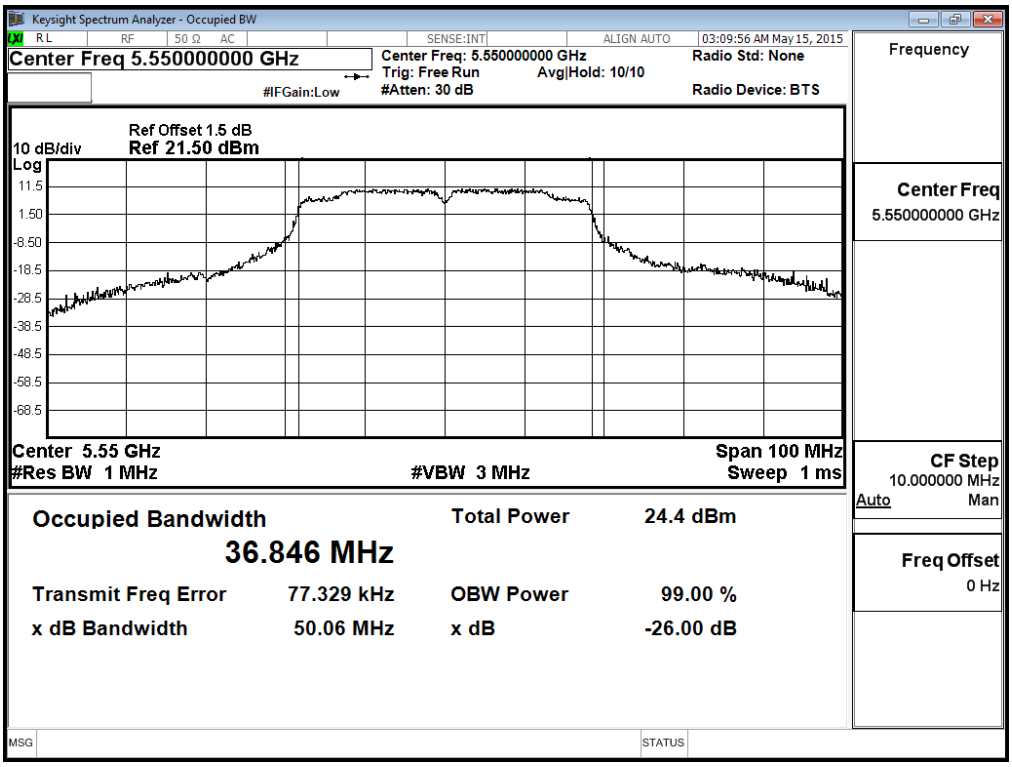

### Channel 62 – Chain A



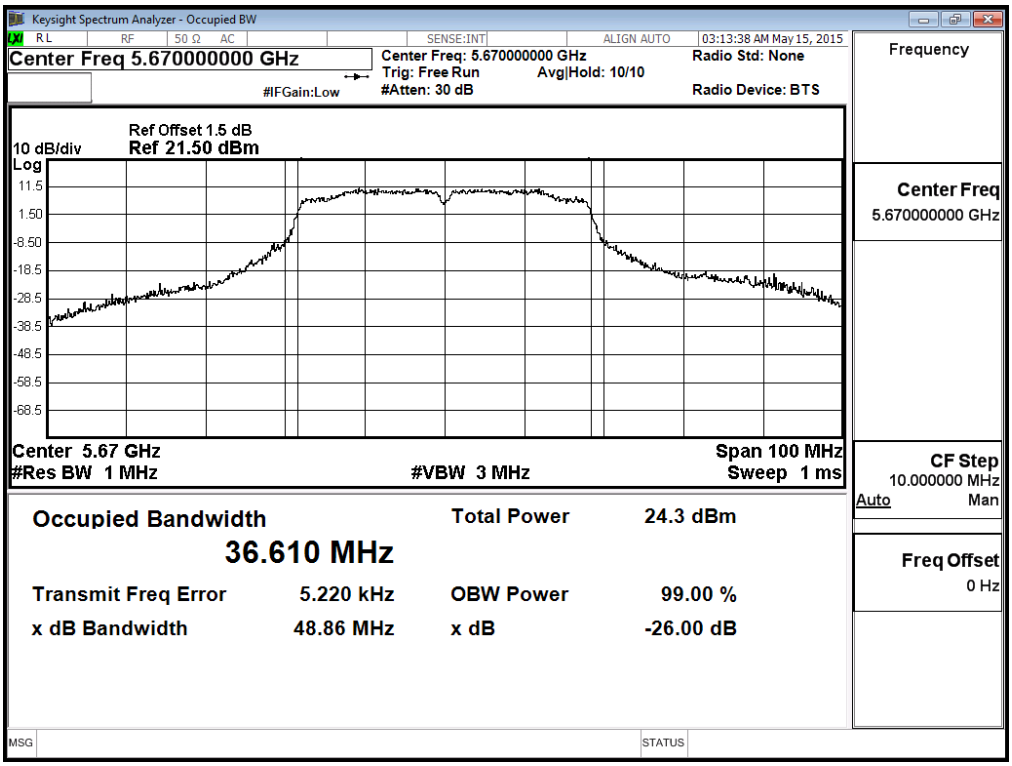
## Channel 102 – Chain A



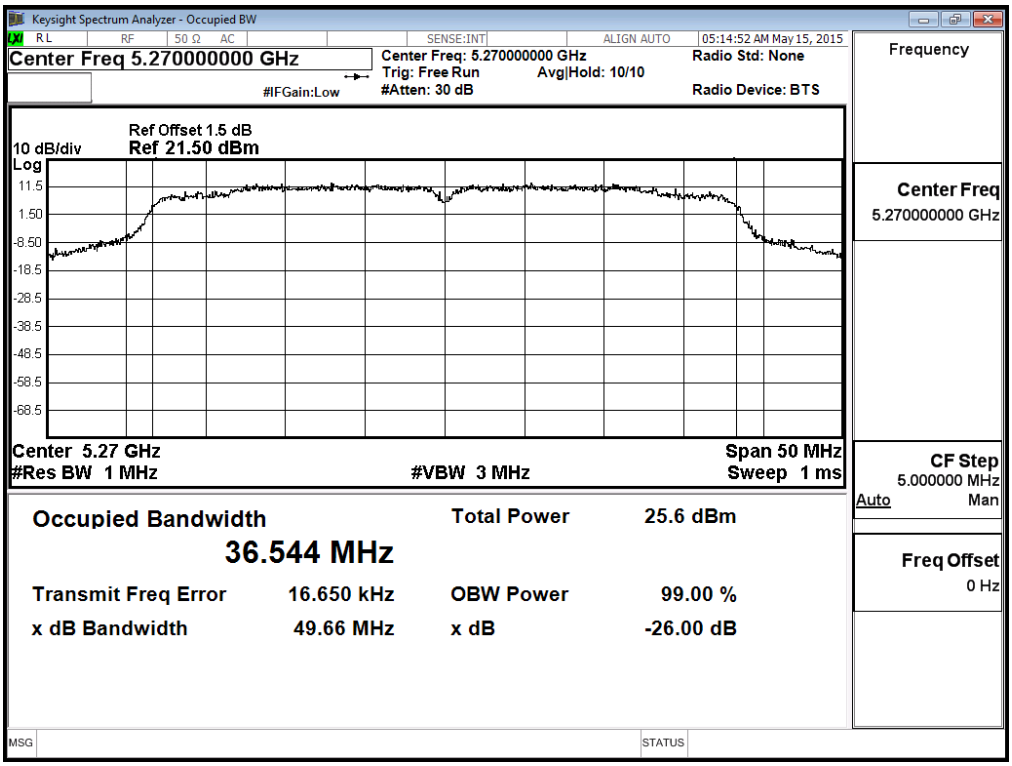

## Channel 110 – Chain A



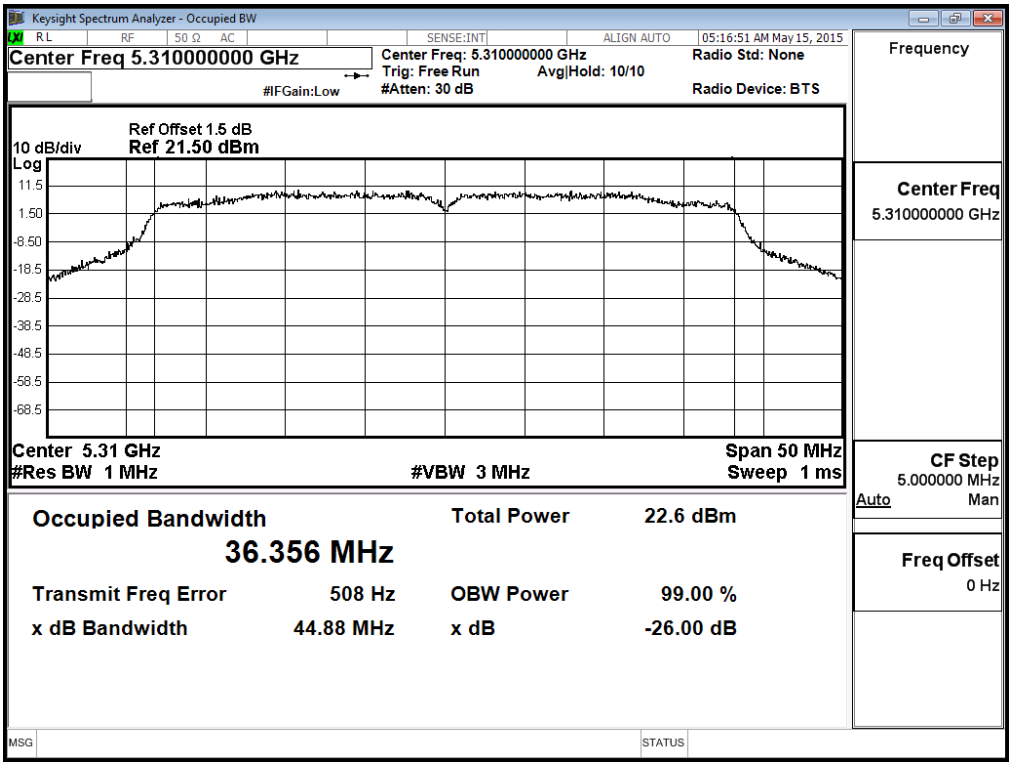
**Channel 134 – Chain A**



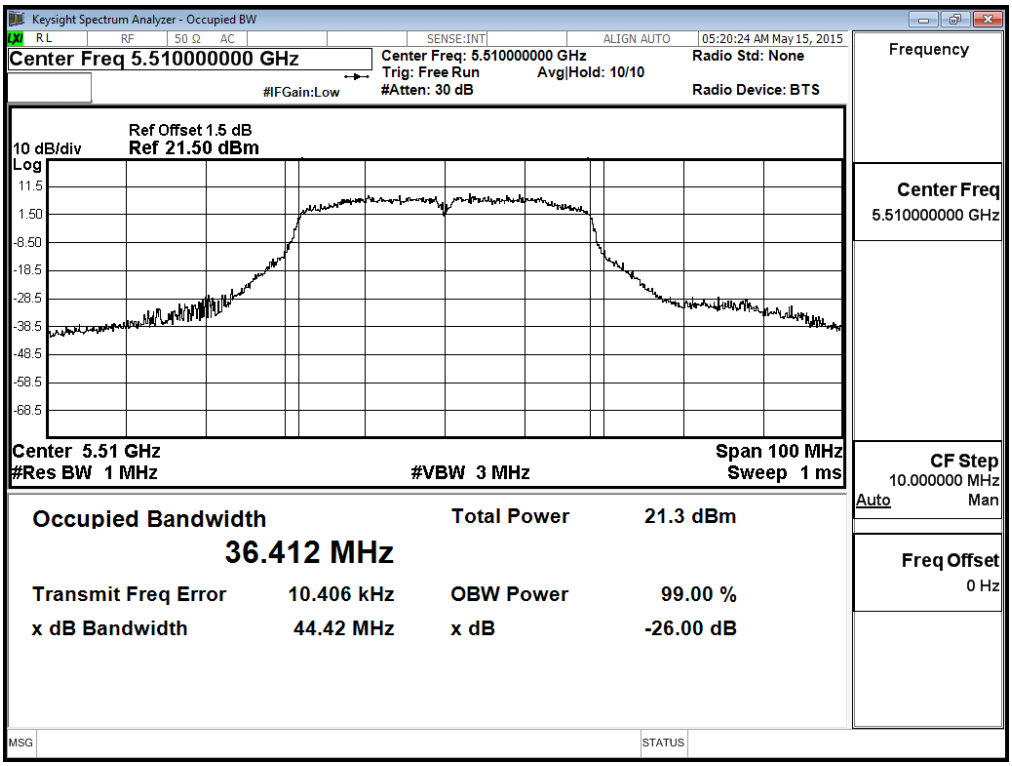
**99% Occupied Bandwidth:**
**Channel 54 – Chain B**



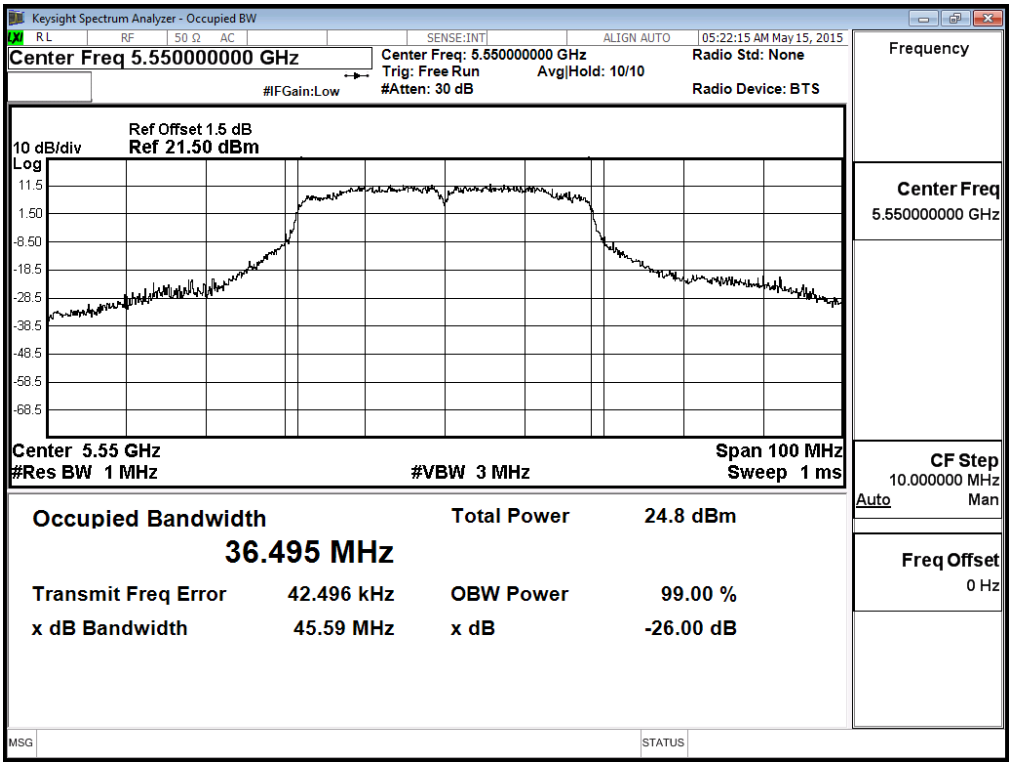

**Channel 62 – Chain B**



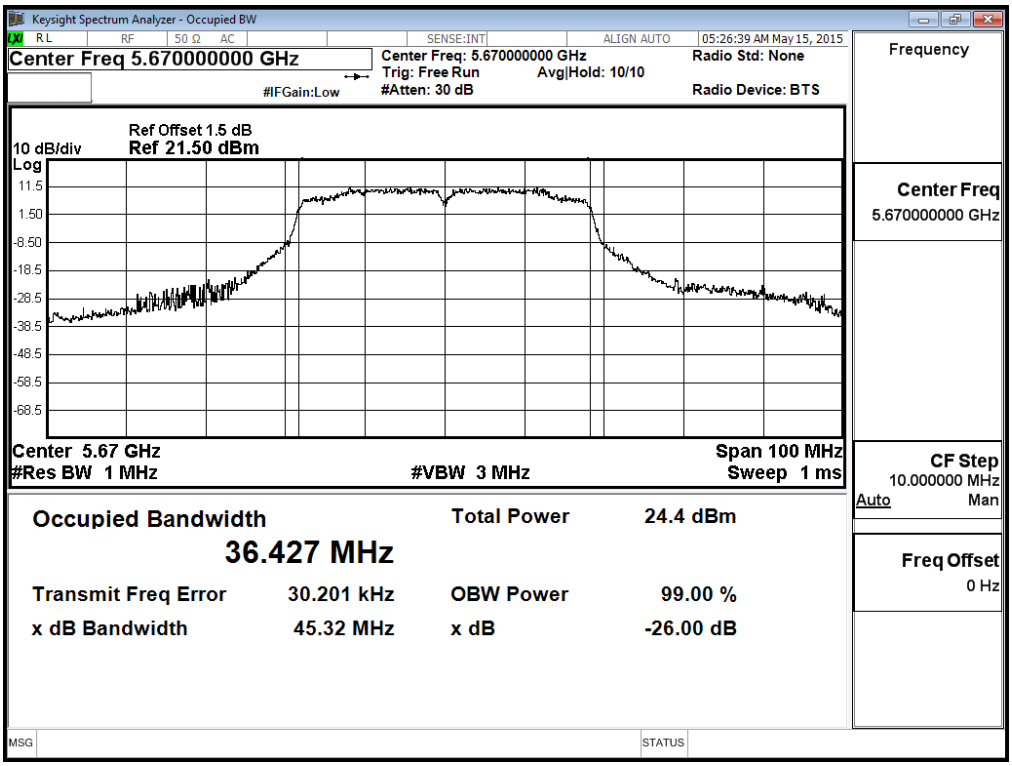
## Channel 102 – Chain B




## Channel 110 – Chain B



**Channel 134 – Chain B**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-20BW-7.2Mbps)

**Chain A**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | Required Limit |
| | | HT8 | HT9 | HT10 | HT11 | HT12 | HT13 | HT14 | HT15 | HT8 | |
| | | Measurement Level (dBm) | | | | | | | | | |
| 144 (Band3) | 5720 | 18.19 | 18.05 | 17.96 | 17.84 | 17.63 | 17.59 | 17.41 | 17.36 | 17.22 | <24dBm |
| 144 (Band4) | 5720 | 10.58 | 10.47 | 10.36 | 10.22 | 10.18 | 10.91 | 10.76 | 10.68 | 10.52 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Chain B**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No. | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | Required Limit |
| | | HT8 | HT9 | HT10 | HT11 | HT12 | HT13 | HT14 | HT15 | HT8 | |
| | | Measurement Level (dBm) | | | | | | | | | |
| 144 (Band3) | 5720 | 17.69 | 17.55 | 17.41 | 17.37 | 17.2 | 17.15 | 17.02 | 16.92 | 16.86 | <24dBm |
| 144 (Band4) | 5720 | 10.25 | 10.19 | 10.05 | 9.92 | 9.76 | 9.64 | 9.52 | 9.47 | 9.36 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

**(CHAIN A+ B)**

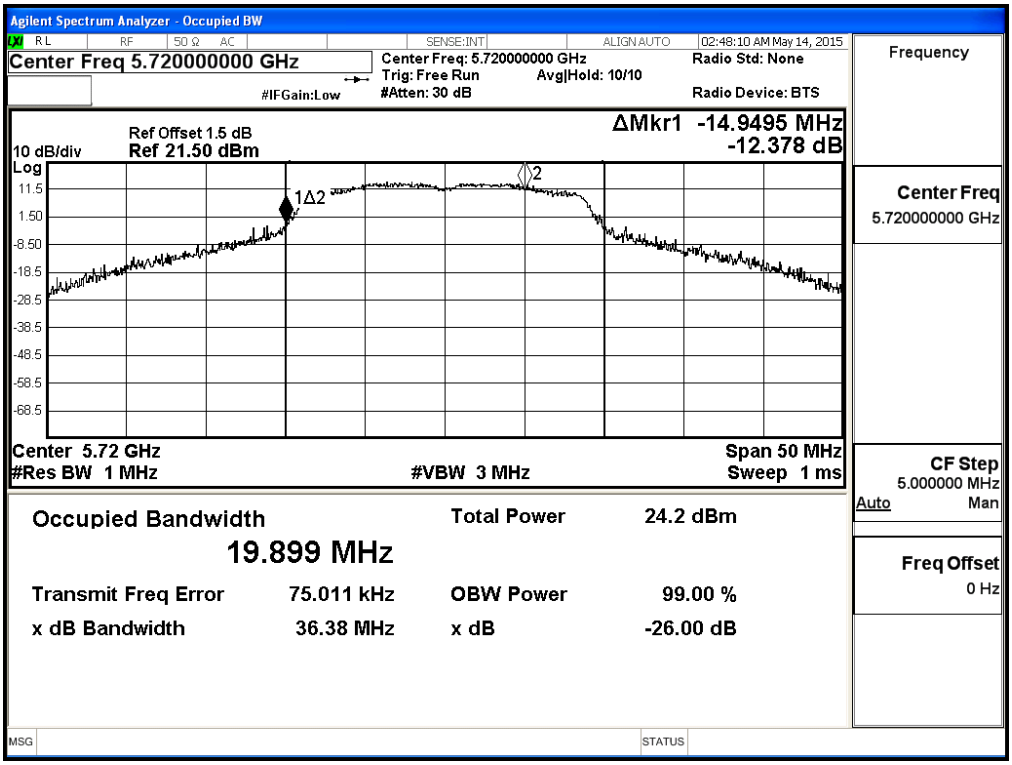
| Channel Number | Frequency (MHz) | 99% Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | (dBm) | dBm+10log(BW) |
| 144(Band3) | 5720 | 14.530 | 18.19 | 17.69 | 0.110 | 21.067 | 24 | 22.62 |
| 144(Band4) | 5720 | 4.530 | 10.58 | 10.25 | 0.110 | 13.538 | 30 | 17.56 |

Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

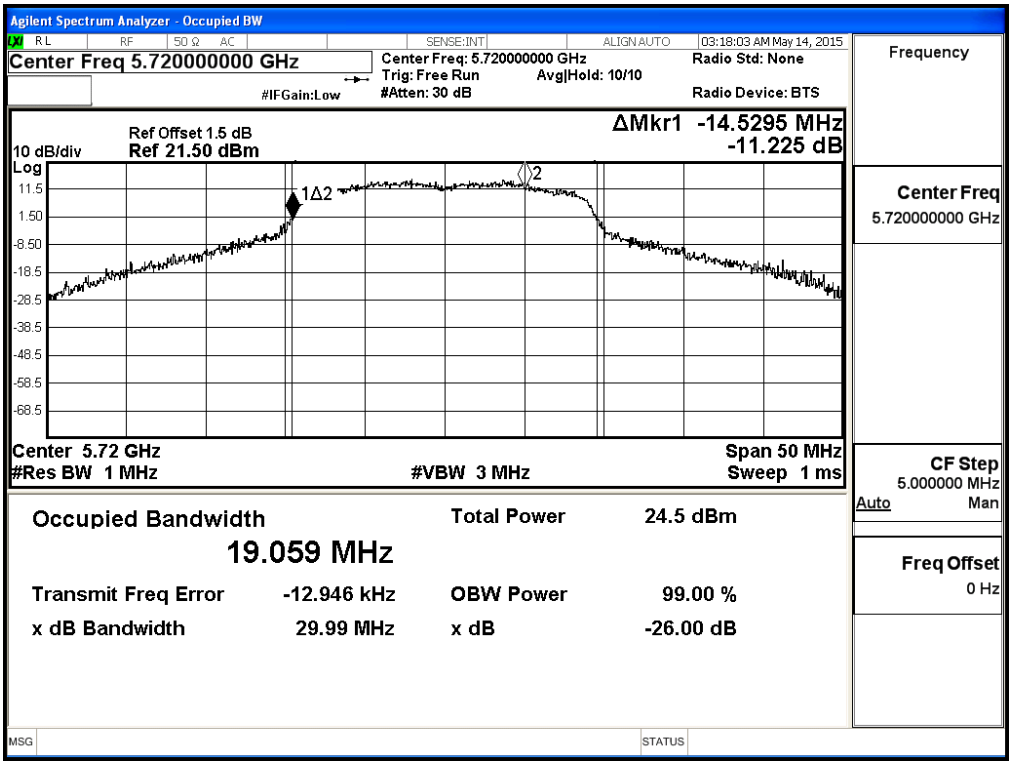
**99% Occupied Bandwidth:**

**Channel 144 – Chain A**



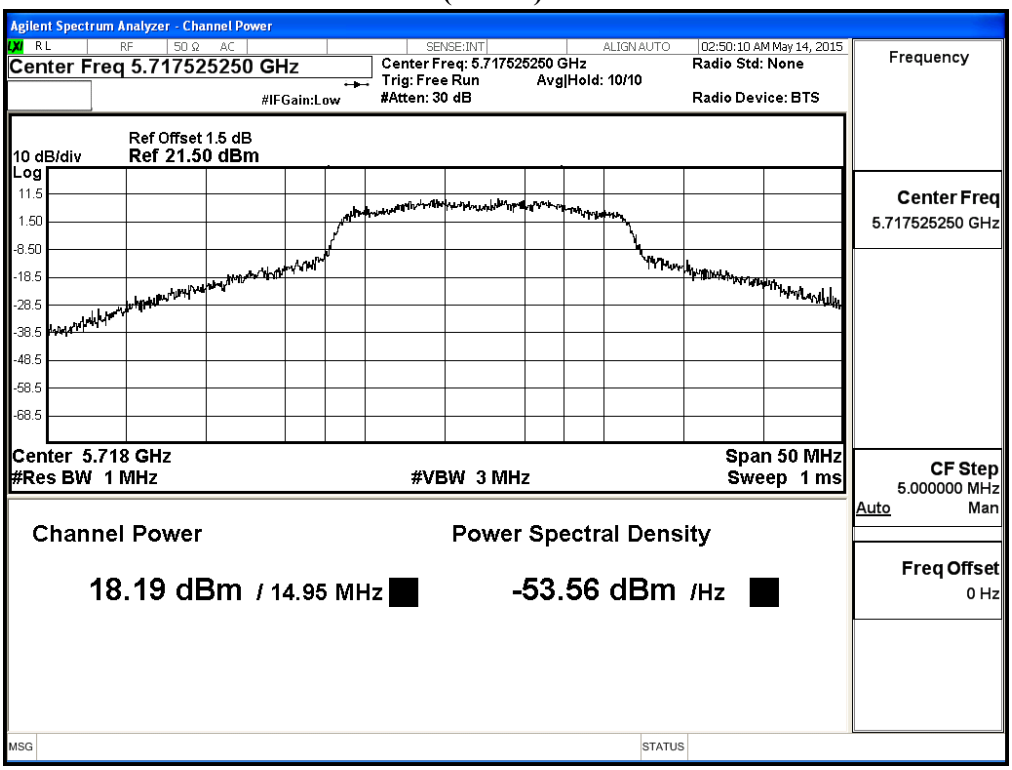

**99% Occupied Bandwidth:**

**Channel 144 – Chain B**

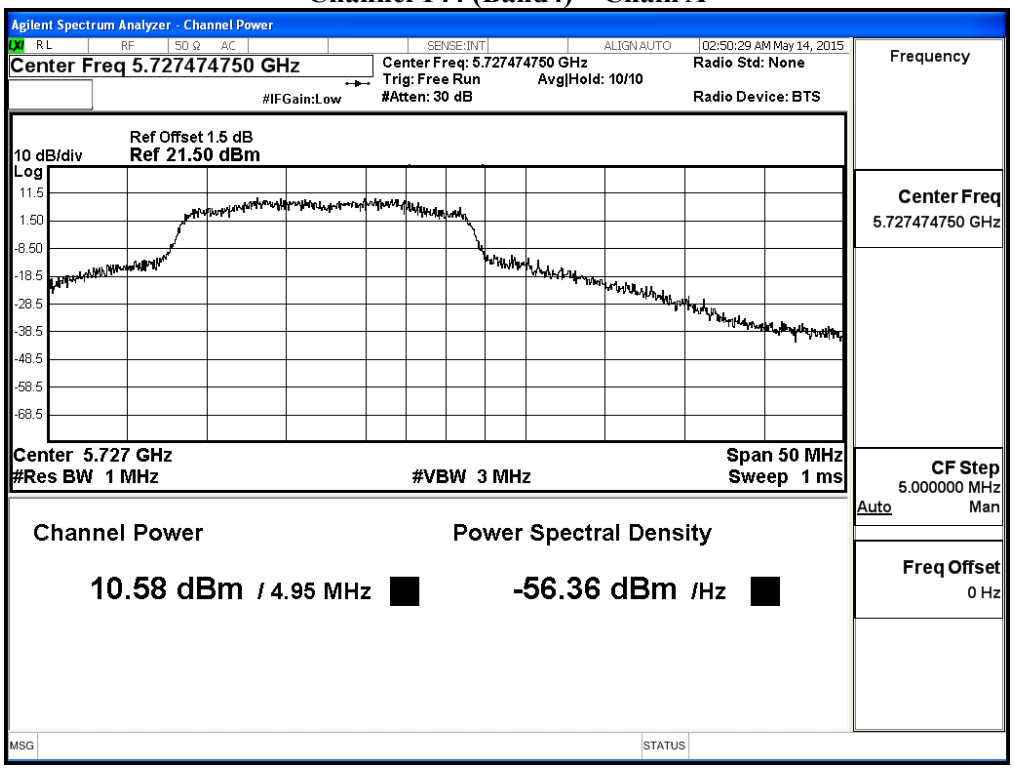


**Maximum conducted output power:**

**Channel 144 (Band3) – Chain A**

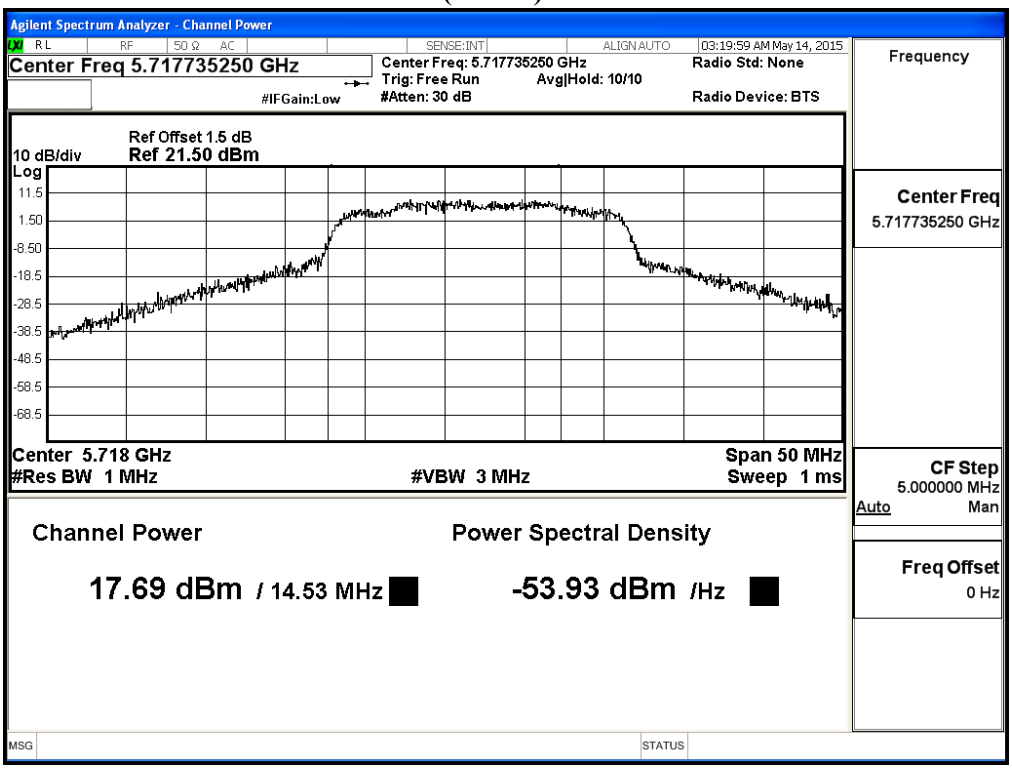



**Channel 144 (Band4) – Chain A**

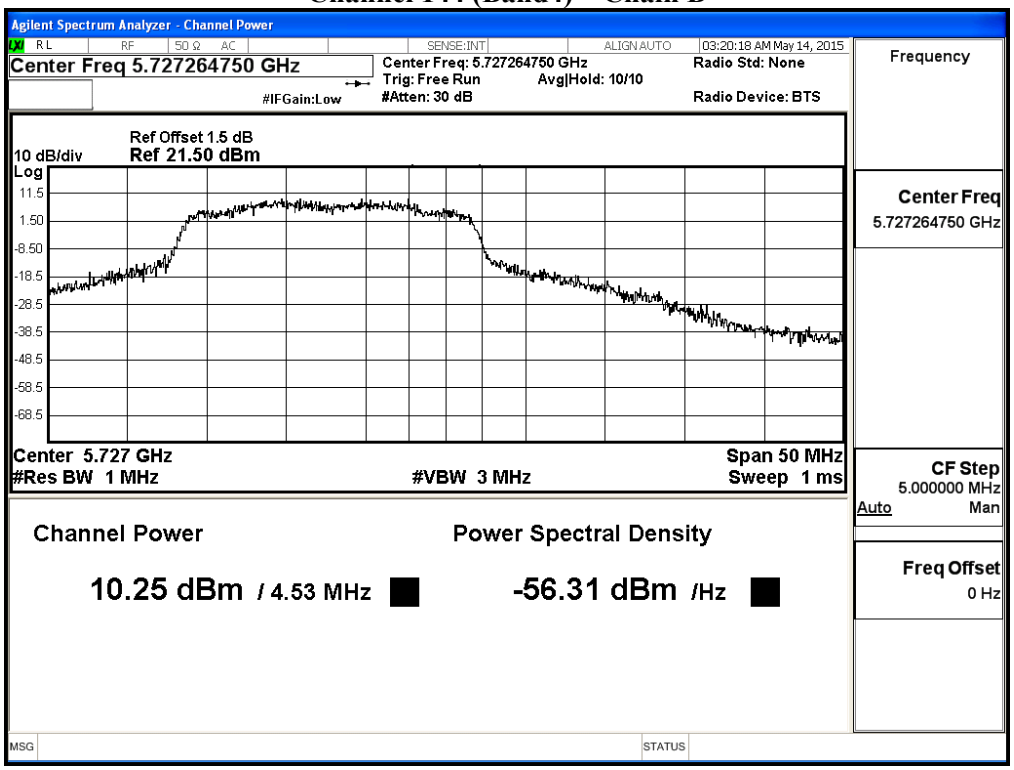


**Maximum conducted output power:**

**Channel 144 (Band3) – Chain B**




**Channel 144 (Band4) – Chain B**



Product : Intel® Dual Band Wireless-AC 8260
Test Item : Maximum conducted output power
Test Site : No.3 OATS
Test Mode : Mode 3 MIMO: Transmit (802.11ac-40BW-15Mbps)

**Chain A**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 142F(Band3) | 5710 | 18.38 | 18.22 | 18.17 | 18.06 | 17.96 | 17.75 | 17.62 | 17.57 | 17.44 | 17.36 | <24dBm |
| 142F(Band4) | 5710 | 5.76 | 5.62 | 5.51 | 5.47 | 5.32 | 5.21 | 5.19 | 5.08 | 4.91 | 4.82 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Chain B**

| Cable loss=1dB | | Maximum conducted output power | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Channel No | Frequency (MHz) | Data Rate (Mbps) | | | | | | | | | | Required Limit |
| | | VTH0 | VTH1 | VTH2 | VTH3 | VTH4 | VTH5 | VTH6 | VTH7 | VTH8 | VTH9 | |
| 142F(Band3) | 5710 | 17.77 | 17.64 | 17.53 | 17.36 | 17.28 | 17.18 | 17.04 | 16.95 | 16.75 | 16.6 | <24dBm |
| 142F(Band4) | 5710 | 5.06 | 4.92 | 4.87 | 4.65 | 4.57 | 4.41 | 4.38 | 4.29 | 4.11 | 4.03 | <30dBm |

Note: Maximum conducted output power Value =Reading value on average power meter + cable loss

**Maximum conducted output power Measurement:**

**(CHAIN A+ B)**

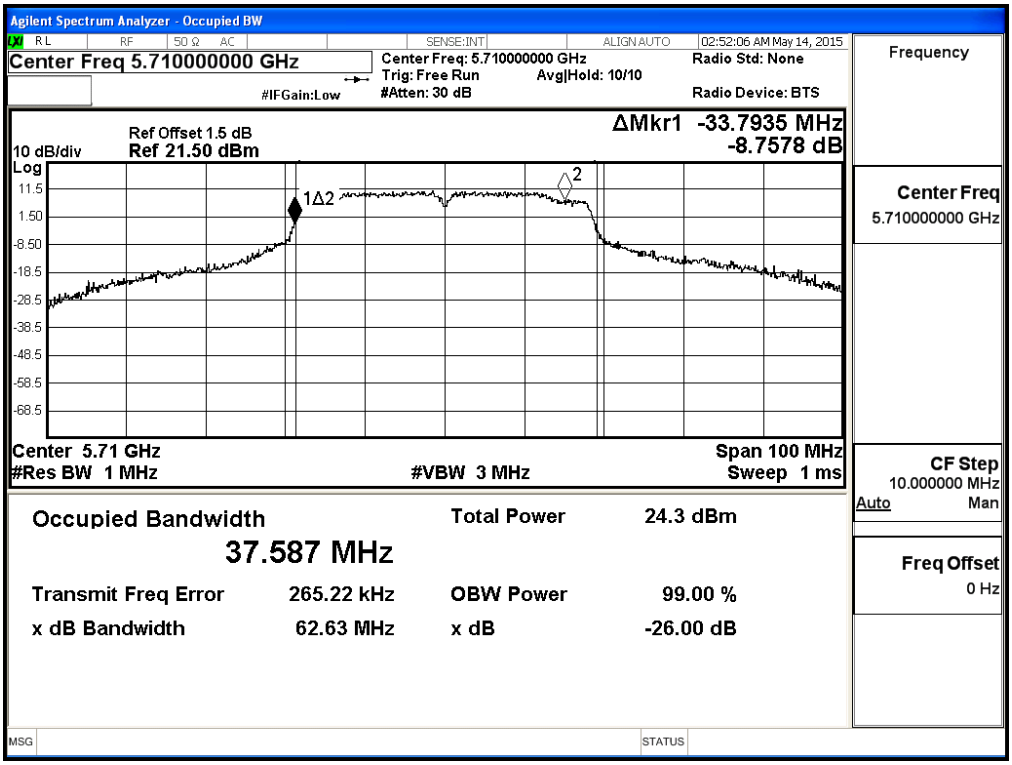
| Channel Number | Frequency (MHz) | 99% Bandwidth (MHz) | Chain A Power (dBm) | Chain B Power (dBm) | Duty Factor (dB) | Total Output Power (dBm) | Output Power Limit | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | (dBm) | dBm+10log(BW) |
| 142F(Band3) | 5710 | 33.256 | 18.38 | 17.77 | 0.315 | 21.411 | 24 | 26.22 |
| 142F(Band4) | 5710 | 3.256 | 5.76 | 5.06 | 0.315 | 8.749 | 30 | 16.13 |

Note:

1. Total Output Power (dBm) = 10LOG (Chain A Power (mW) + Chain B Power (mW)) + Duty Factor.
2. 26 dB Bandwidth is the bandwidth of chain A or chain B whichever is less bandwidth, output power limitation is more stringent.

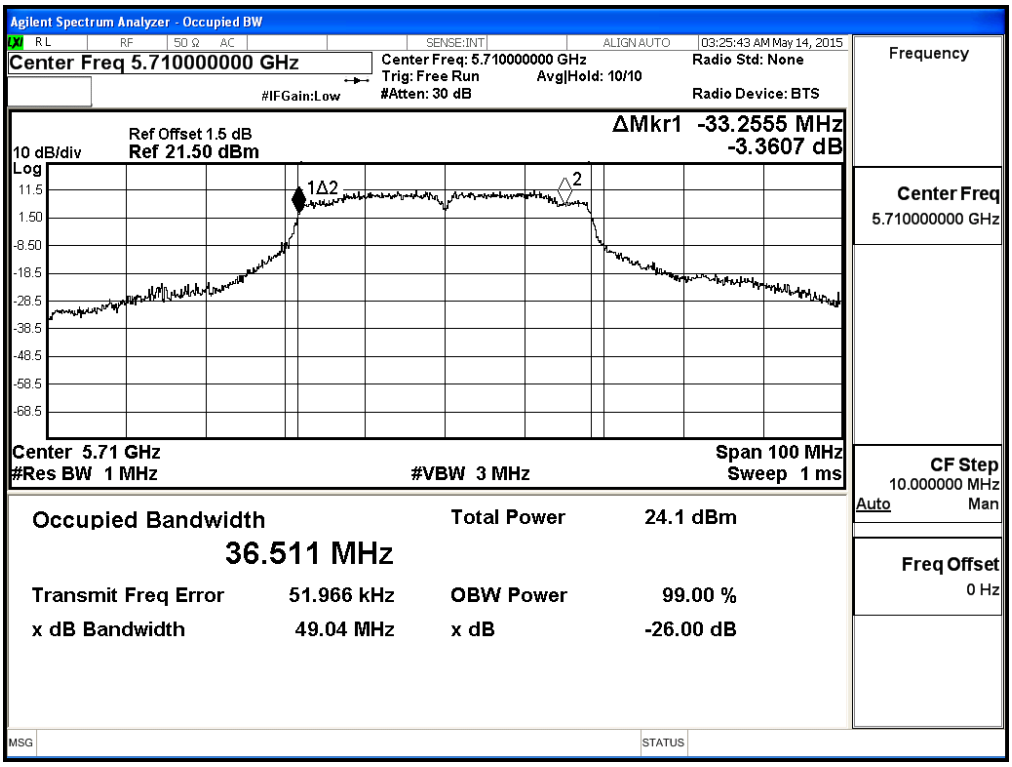
**99% Occupied Bandwidth:**

**Channel 142 – Chain A**



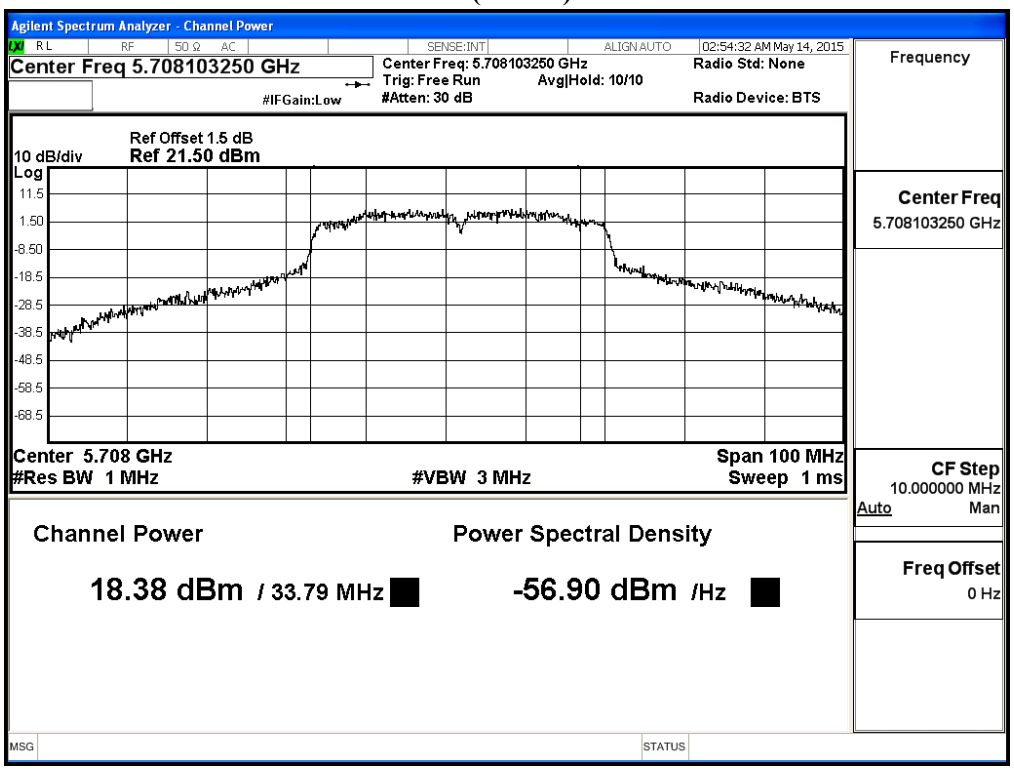

**99% Occupied Bandwidth:**

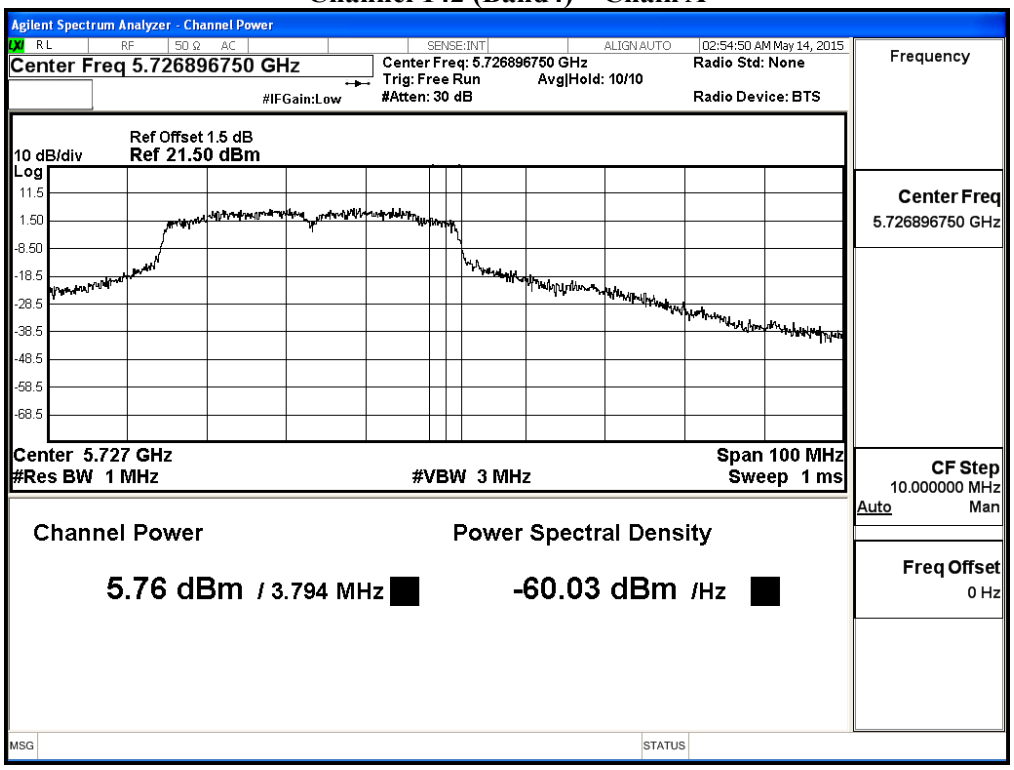
**Channel 142 – Chain B**



**Maximum conducted output power:**

**Channel 142 (Band3) – Chain A**




**Channel 142 (Band4) – Chain A**