



TEST REPORT

Test Report No. : UL-RPT-RP11161473JD07A V3.0

Manufacturer : Apple Inc.
Model No. : A1706
FCC ID : BCGA1706
Technology : WLAN
Test Standard(s) : FCC Parts 15.209(a) & 15.407

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2. The results in this report apply only to the sample(s) tested.
3. The sample tested is in compliance with the above standard(s).
4. The test results in this report are traceable to the national or international standards.
5. Version 3.0 supersedes all previous versions.

Date of Issue: 11 October 2016

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This laboratory is accredited by UKAS.
The tests reported herein have been
performed in accordance with its terms
of accreditation.

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1. Customer Information

Company Name:	Apple
Address:	1 Infinite Loop Cupertino, CA 95014 U.S.A

2. Summary of Testing

2.1. General Information

Specification Reference:	47CFR15.407 and 47CFR15.403
Specification Title:	Code of Federal Regulations Volume 47 (Telecommunications): Part 15 Subpart E (Unlicensed National Information Infrastructure Devices) – Sections 15.403 and 15.407
Specification Reference:	47CFR15.209
Specification Title:	Code of Federal Regulations Volume 47 (Telecommunications): Part 15 Subpart C (Intentional Radiators) - Section 15.209
Site Registration:	209735
Location of Testing:	UL VS LTD, Unit 3 Horizon, Wade Road, Kingsland Business Park, Basingstoke, Hampshire, RG24 8AH, United Kingdom
Test Dates:	09 August 2016 to 20 September 2016

2.2. Summary of Test Results

FCC Reference (47CFR)	Measurement	Result
Part 15.403(i)	Transmitter 26 dB Emission Bandwidth	Complied
Part 15.407(e)	Transmitter Minimum 6 dB Bandwidth (5.725-5.85 GHz band)	Complied
Part 15.407(e)	Transmitter Minimum 6 dB Bandwidth (Channels that straddle the U-NII-2C and U-NII-3 bands at 5.725 GHz)	Complied
Part 15.35(c)	Transmitter Duty Cycle	Note 1
Part 15.407(a)(1)(iv)	Transmitter Maximum Conducted Output Power (5.15-5.25 GHz band)	Complied
Part 15.407(a)(2)	Transmitter Maximum Conducted Output Power (5.25-5.35 GHz & 5.47-5.725 GHz bands)	Complied
Part 15.407(a)(2)	Transmitter Maximum Conducted Output Power (Channels that straddle the U-NII-2C and U-NII-3 bands at 5.725 GHz)	Complied
Part 15.407(a)(3)	Transmitter Maximum Conducted Output Power (5.725-5.85 GHz band)	Complied
Part 15.407(a)(1)(iv)	Transmitter Peak Power Spectral Density (5.15-5.25 GHz band)	Complied
Part 15.407(a)(2)	Transmitter Peak Power Spectral Density (5.25-5.35 GHz & 5.47-5.725 GHz bands)	Complied
Part 15.407(a)(2)	Transmitter Peak Power Spectral Density (Channels that straddle the U-NII-2C and U-NII-3 bands at 5.725 GHz)	Complied
Part 15.407(a)(3)	Transmitter Peak Power Spectral Density (5.725-5.85 GHz band)	Complied
Part 15.407(b)/15.209(a)	Transmitter Out of Band Radiated Emissions	Complied
Part 15.407(b)/15.209(a)	Transmitter Band Edge Radiated Emissions	Complied
Part 15.407(g)	Transmitter Frequency Stability (Temperature & Voltage Variation)	Note 2
Part 15.407(h)(1)	Transmitter Power Control	Complied

Note(s):

1. The measurement was performed to assist in the calculation of the level of average output power, power spectral density and emissions as the EUT employs pulsed operation.
2. Frequency stability is better than 20 ppm which ensures that the signal remains in the allocated bands under all operational conditions stated in the user manual.

2.3. Methods and Procedures

Reference:	ANSI C63.10-2013
Title:	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Reference:	KDB 789033 D02 General UNII Test Procedures New Rules v01r03 August 22, 2016
Title:	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E
Reference:	KDB662911 D01 Multiple Transmitter Output v02r01 October 31, 2013
Title:	Emissions Testing of Transmitter with Multiple Outputs in the Same Band

2.4. Deviations from the Test Specification

For the measurements contained within this test report, there were no deviations from, additions to, or exclusions from the test specifications identified above.

3. Equipment Under Test (EUT)

3.1. Identification of Equipment Under Test (EUT)

Brand Name:	Apple
Model Name or Number:	A1706
Test Sample Serial Number:	C02S2007HH5Y (<i>Conducted sample with RF ports</i>)
Hardware Version:	EVT
Software Version:	OS: 16B2272a WLAN: 7.21.171.5
FCC ID:	BCGA1706

Brand Name:	Apple
Model Name or Number:	A1706
Test Sample Serial Number:	C02S2003HH5Y (<i>Radiated sample #1</i>)
Hardware Version:	EVT
Software Version:	OS: 16B2272a WLAN: 7.21.171.5
FCC ID:	BCGA1706

Brand Name:	Apple
Model Name or Number:	A1706
Test Sample Serial Number:	C02S200EHH5Q (<i>Radiated sample #2</i>)
Hardware Version:	EVT
Software Version:	OS: 16B2272a WLAN: 7.21.171.5
FCC ID:	BCGA1706

Brand Name:	Apple
Model Name or Number:	A1706
Test Sample Serial Number:	C02S200CHH5W (<i>Radiated sample #3</i>)
Hardware Version:	EVT
Software Version:	OS: 16B2272a WLAN: 7.21.171.5
FCC ID:	BCGA1706

3.2. Description of EUT

The equipment under test was a Notebook PC with 2.4 GHz and 5 GHz wireless LAN and Bluetooth capabilities.

3.3. Modifications Incorporated in the EUT

No modifications were applied to the EUT during testing.

3.4. Additional Information Related to Testing

Technology Tested:	WLAN (IEEE 802.11a,n,ac) / U-NII	
Type of Unit:	Transceiver	
Modulation:	BPSK, QPSK, 16QAM, 64QAM & 256QAM	
Data rates:	802.11a	6, 9, 12, 18, 24, 36, 48 & 54 Mbps
	802.11n HT20	MCS0 to MCS7 (1 spatial stream) with or without CDD / (SISO, or MIMO with CDD/STBC) MCS8 to MCS15 (2 spatial streams) (MIMO SDM) MCS16 to MCS23 (3 spatial streams) (MIMO SDM)
	802.11n HT40	MCS0 to MCS7 (1 spatial stream) with or without CDD / (SISO, or MIMO with CDD/STBC) MCS8 to MCS15 (2 spatial streams) (MIMO SDM) MCS16 to MCS23 (3 spatial streams) (MIMO SDM)
	802.11ac VHT20	MCS0 to MCS8 (1 spatial stream) with or without CDD / (SISO, or MIMO with CDD/STBC) MCS0 to MCS8 (2 spatial streams) (MIMO SDM) MCS0 to MCS9 (3 spatial streams) (MIMO SDM)
	802.11ac VHT40	MCS0 to MCS9 (1 spatial stream) with or without CDD / (SISO, or MIMO with CDD/STBC) MCS0 to MCS9 (2 spatial streams) (MIMO SDM) MCS0 to MCS9 (3 spatial streams) (MIMO SDM)
	802.11ac VHT80	MCS0 to MCS9 (1 spatial stream) with or without CDD / (SISO, or MIMO with CDD/STBC) MCS0 to MCS9 (2 spatial streams) (MIMO SDM) MCS0 to MCS9 (3 spatial streams) (MIMO SDM)
Power Supply Requirement(s):	Nominal	3.8 VDC via 120 VAC 60 Hz adaptor
Maximum Conducted Output Power:	20 MHz	17.9 dBm
	40 MHz	17.8 dBm
	80 MHz	17.6 dBm

Additional Information Related to Testing (continued)

Channel Spacing:	20 MHz		
Transmit Frequency Band:	5150 MHz to 5250 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	36	5180
	Middle	40	5200
	Top	48	5240
Transmit Frequency Band:	5250 MHz to 5350 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	52	5260
	Middle	56	5280
	Top	64	5320
Transmit Frequency Band:	5470 MHz to 5725 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	100	5500
	Middle	116	5580
	Top	140	5700
Transmit Frequency Band:	Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Single	144	5720
Transmit Frequency Band:	5725 MHz to 5850 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	149	5745
	Middle	157	5785
	Top	165	5825

Additional Information Related to Testing (continued)

Channel Spacing:	40 MHz		
Transmit Frequency Band:	5150 MHz to 5250 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	38	5190
	Top	46	5230
Transmit Frequency Band:	5250 MHz to 5350 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	54	5270
	Top	62	5310
Transmit Frequency Band:	5470 MHz to 5725 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	102	5510
	Middle	118	5590
	Top	134	5670
Transmit Frequency Band:	Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Single	142	5710
Transmit Frequency Band:	5725 MHz to 5850 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	151	5755
	Top	159	5795

Additional Information Related to Testing (continued)

Channel Spacing:	80 MHz		
Transmit Frequency Band:	5150 MHz to 5250 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Single	42	5210
Transmit Frequency Band:	5250 MHz to 5350 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Single	58	5290
Transmit Frequency Band:	5470 MHz to 5725 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	106	5530
	Top	122	5610
Transmit Frequency Band:	Channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Single	138	5690
Transmit Frequency Band:	5725 MHz to 5850 MHz		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Single	155	5775

3.5. Support Equipment

The following support equipment was used to exercise the EUT during testing:

Description:	Laptop PC
Brand Name:	Lenovo
Model Name or Number:	ThinkPad L440
Serial Number:	R9-019E92

Description:	Laptop PC
Brand Name:	Apple
Model Name or Number:	MacBook Pro
Serial Number:	C2QLQ03XF9F2

Description:	AC to DC Power adaptor
Brand Name:	Apple
Model Name or Number:	A1718
Serial Number:	Not marked or stated

Description:	USB-C Charge Cable (2 m)
Brand Name:	Apple
Model Name or Number:	Not marked or stated
Serial Number:	Not marked or stated

Description:	Personal Hands Free (PHF)
Brand Name:	Apple
Model Name or Number:	Apple Ear Plugs
Serial Number:	Not marked or stated

Description:	USB-A to USB-C adaptor (x3)
Brand Name:	Apple
Model Name or Number:	A1632
Serial Number:	Not marked or stated

Description:	USB Hub
Brand Name:	Belkin
Model Name or Number:	Not marked or stated
Serial Number:	Not marked or stated

3.6. Antenna Gain

The tables below list the antenna gains when operating on the frequency bands 5150-5250, 5250-5350, 5470-5725 & 5725-5850 MHz.

Frequency Band (MHz)	$G_{\text{Antenna 1}}$ (dBi)	$G_{\text{Antenna 2}}$ (dBi)	$G_{\text{Antenna 3}}$ (dBi)
5150 to 5250	5.5 dBi	5.3 dBi	5.7 dBi
5250 to 5350	6.3 dBi	6.0 dBi	6.5 dBi
5470 to 5725	5.0 dBi	5.2 dBi	5.1 dBi
5725 to 5850	4.5 dBi	5.2 dBi	4.6 dBi

Directional Antenna Gain for Correlated Signals

Frequency Band (MHz)	$G_{\text{Antennas 1, 3}}$ (dBi)	$G_{\text{Antenna 2, 3}}$ (dBi)	$G_{\text{Antennas 1, 2, 3}}$ (dBi)
5150 to 5250	8.6 dBi	-	10.3 dBi
5250 to 5350	9.4 dBi	-	11.0 dBi
5470 to 5725	-	8.2 dBi	9.9 dBi
5725 to 5850	-	7.9 dBi	9.5 dBi

Directional Antenna Gain for Uncorrelated Signals (STBC)

Frequency Band (MHz)	$G_{\text{Antennas 1, 3}}$ (dBi)	$G_{\text{Antennas 2, 3}}$ (dBi)	$G_{\text{Antennas 1, 2, 3}}$ (dBi)
5150 to 5250	5.6 dBi	-	5.5 dBi
5250 to 5350	6.4 dBi	-	6.3 dBi
5470 to 5725	-	5.2 dBi	5.1 dBi
5725 to 5850	-	4.9 dBi	4.8 dBi

Note(s):

1. Refer to Appendix 1 of this test report for details on directional antenna gain calculations.

4. Operation and Monitoring of the EUT during Testing

4.1. Operating Modes

The EUT was tested in the following operating mode(s):

- Continuously transmitting with a modulated carrier at maximum power on the bottom, middle and top channels as required using the supported data rates/modulation types.

4.2. Configuration and Peripherals

The EUT was tested in the following configuration(s):

- Controlled using a terminal window on the EUT. Customer supplied a document with test instructions, titled WLAN_CPM_v2.0.docx. These were used to enable continuous transmission and to select the test channels, data rates and modulation schemes as required.
- The customer declared the following data rates to be used for all measurements as:

On frequency bands 5150-5250 MHz and 5250-5350 MHz:

- 802.11a SISO – BPSK / 6 Mbps / Port 3
- 802.11n HT20 / SISO – BPSK / 6.5 Mbps / MCS0 / Port 3
- 802.11n HT40 / SISO – BPSK / 13.5 Mbps / MCS0 / Port 3
- 802.11ac VHT80 / SISO – BPSK / 29.3 Mbps / MCS0 / Port 3
- 802.11n HT20 / MIMO / 2Tx CDD – BPSK / 6.5 Mbps / MCS0 / Ports 1, 3
- 802.11n HT40 / MIMO / 2Tx CDD – BPSK / 13.5 Mbps / MCS0 / Ports 1, 3
- 802.11ac VHT80 / MIMO / 2Tx CDD – BPSK / 29.3 Mbps / MCS0x1 / Ports 1, 3
- 802.11n HT20 / MIMO / 2Tx STBC – BPSK / 13.0 Mbps / MCS0 / Ports 1, 3
- 802.11n HT40 / MIMO / 2Tx STBC – BPSK / 27.0 Mbps / MCS0 / Ports 1, 3
- 802.11ac VHT80 / MIMO / 2Tx STBC – BPSK / 58.6 Mbps / MCS0x1 / Ports 1, 3
- 802.11n HT20 / MIMO / 3Tx CDD – BPSK / 6.5 Mbps / MCS0 / Ports 1, 2, 3
- 802.11n HT40 / MIMO / 3Tx CDD – BPSK / 13.5 Mbps / MCS0 / Ports 1, 2, 3
- 802.11ac VHT80 / MIMO / 3Tx CDD – BPSK / 29.3 Mbps / MCS0x1 / Ports 1, 2, 3
- 802.11n HT20 / MIMO / 3Tx STBC – BPSK / 19.0 Mbps / MCS0 / Ports 1, 2, 3
- 802.11n HT40 / MIMO / 3Tx STBC – BPSK / 40.5 Mbps / MCS0 / Ports 1, 2, 3
- 802.11ac VHT80 / MIMO / 3Tx STBC – BPSK / 87.8 Mbps / MCS0x1 / Ports 1, 2, 3

Configuration and Peripherals (continued)

On frequency bands 5470-5725 MHz and 5725-5850 MHz:

- 802.11a SISO – BPSK / 6 Mbps / Port 2
- 802.11n HT20 / SISO – BPSK / 6.5 Mbps / MCS0 / Port 2
- 802.11n HT40 / SISO – BPSK / 13.5 Mbps / MCS0 / Port 2
- 802.11ac VHT80 / SISO – BPSK / 29.3 Mbps / MCS0 / Port 2
- 802.11n HT20 / MIMO / 2Tx CDD – BPSK / 6.5 Mbps / MCS0 / Ports 2, 3
- 802.11n HT40 / MIMO / 2Tx CDD – BPSK / 13.5 Mbps / MCS0 / Ports 2, 3
- 802.11ac VHT80 / MIMO / 2Tx CDD – BPSK / 29.3 Mbps / MCS0x1 / Ports 2, 3
- 802.11n HT20 / MIMO / 2Tx STBC – BPSK / 13.0 Mbps / MCS0 / Ports 2, 3
- 802.11n HT40 / MIMO / 2Tx STBC – BPSK / 27.0 Mbps / MCS0 / Ports 2, 3
- 802.11ac VHT80 / MIMO / 2Tx STBC – BPSK / 58.6 Mbps / MCS0x1 / Ports 2, 3
- 802.11n HT20 / MIMO / 3Tx CDD – BPSK / 6.5 Mbps / MCS0 / Ports 1, 2, 3
- 802.11n HT40 / MIMO / 3Tx CDD – BPSK / 13.5 Mbps / MCS0 / Ports 1, 2, 3
- 802.11ac VHT80 / MIMO / 3Tx CDD – BPSK / 29.3 Mbps / MCS0x1 / Ports 1, 2, 3
- 802.11n HT20 / MIMO / 3Tx STBC – BPSK / 19.5 Mbps / MCS0 / Ports 1, 2, 3
- 802.11n HT40 / MIMO / 3Tx STBC – BPSK / 40.5 Mbps / MCS0 / Ports 1, 2, 3
- 802.11ac VHT80 / MIMO / 3Tx STBC – BPSK / 87.8 Mbps / MCS0x1 / Ports 1, 2, 3
- The EUT has three separate antennas which correspond to three separate antenna ports. Ports 1, 2 and 3 correspond to antennas 1 (WF3), 2 (WF2) and 3 (WF1) respectively.
- For conducted measurements, the customer supplied samples with three 20 cm UFL to SMA coaxial cable connected on the three antenna ports. The insertion loss was included as a reference level offset on the measurement equipment.
- RF cables and attenuators connecting the test equipment to the EUT were calibrated before use and the calibration data incorporated into the conducted measurement results.
- Transmitter radiated spurious emissions tests were performed with the EUT in normal position and whilst charging via the dedicated AC power supply. Representative accessories were connected to all EUT's ports.
- The conducted sample with Serial Number C02S2007HH5Y was used for 99% bandwidth, duty cycle, maximum output power and peak power spectral density tests.
- The radiated samples with Serial Numbers C02S2003HH5Y, C02S200EHH5Q & C02S200CHH5W were used for all other tests.

4.3. Worst case Justification

Table of test reduction and modes covering other modes:

Mode	Covered by
802.11a (2TX)	802.11n HT20 CDD (2TX)
802.11a (3TX)	802.11n HT20 CDD (3TX)
802.11n HT20 TxBF (2TX)	802.11n HT20 CDD (2TX)
802.11n HT20 TxBF (3TX)	802.11n HT20 CDD (3TX)
802.11n HT40 TxBF (2TX)	802.11n HT40 CDD (2TX)
802.11n HT40 TxBF (3TX)	802.11n HT40 CDD (3TX)
802.11ac VHT80 TxBF (2TX)	802.11ac VHT80 CDD (2TX)
802.11ac VHT80 TxBF (3TX)	802.11ac VHT80 CDD (3TX)
802.11n HT20 SDM (2TX)	802.11n HT20 STBC (2TX)
802.11n HT20 SDM (3TX)	802.11n HT20 STBC (3TX)
802.11n HT40 SDM (2TX)	802.11n HT40 STBC (2TX)
802.11n HT40 SDM (3TX)	802.11n HT40 STBC (3TX)
802.11ac VHT80 SDM (2TX)	802.11ac VHT80 STBC (2TX)
802.11ac VHT80 SDM (3TX)	802.11ac VHT80 STBC (3TX)

Note(s):

1. CDD modes have the same or higher power than beamforming modes (TxBF). Therefore only CDD modes have been included in this test report. Results for TxBF modes are archived on the Company server and are available for inspection upon request.

5. Measurements, Examinations and Derived Results

5.1. General Comments

Measurement uncertainties are evaluated in accordance with current best practice. Our reported expanded uncertainties are based on standard uncertainties, which are multiplied by an appropriate coverage factor to provide a statistical confidence level of approximately 95%. Please refer to *Section 6 Measurement Uncertainty* for details.

In accordance with UKAS requirements all the measurement equipment is on a calibration schedule. All equipment was within the calibration period on the date of testing.

5.2. Test Results

5.2.1. Transmitter 26 dB Emission Bandwidth

Test Summary:

Test Engineer:	Andrew Edwards	Test Dates:	06 September 2016 to 18 September 2016
Test Sample Serial Number:	C02S2007HH5Y		

FCC Reference:	Part 15.403(i)
Test Method Used:	KDB 789033 D02 Section II.C.1.

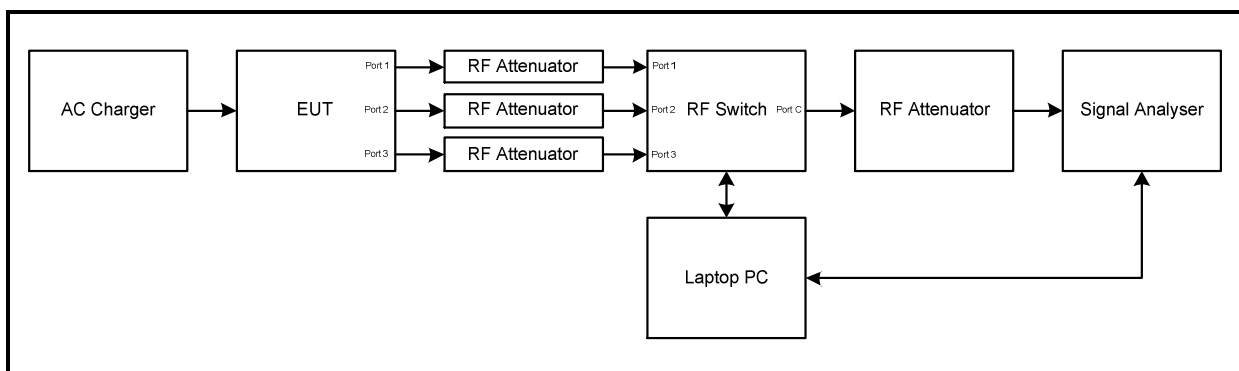
Environmental Conditions:

Temperature (°C):	23 to 28
Relative Humidity (%):	45 to 58

Note(s):

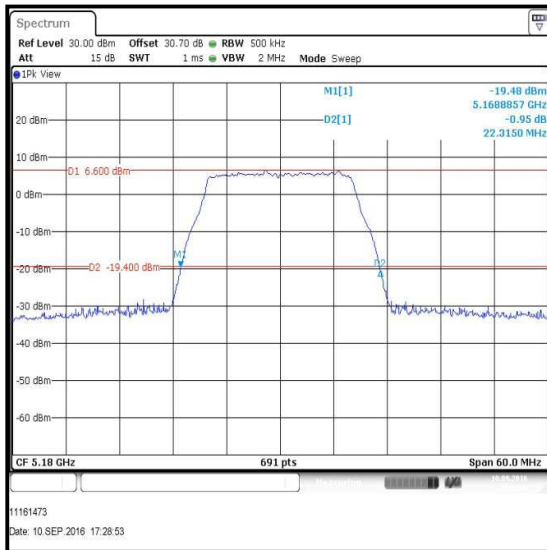
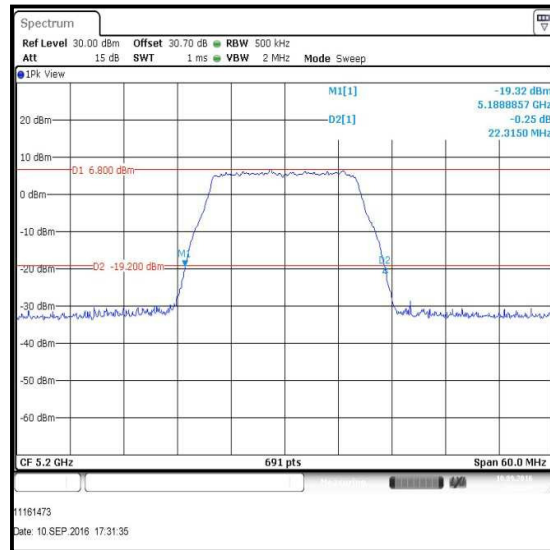
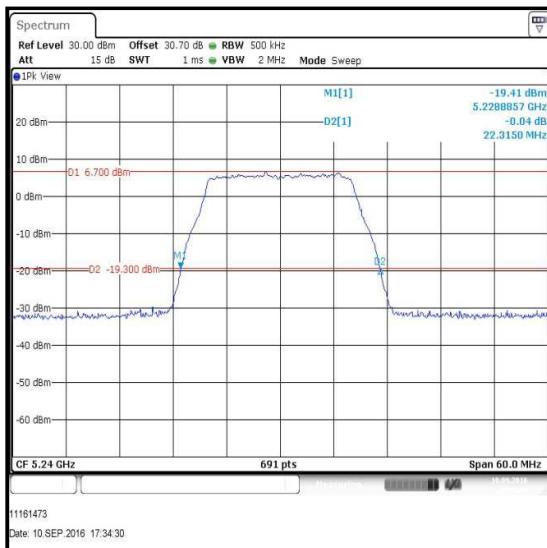
1. Measurements were performed on data rates detailed in section 4.2 on the relevant channels.
2. The signal analyser's resolution bandwidth was set to 1 – 5% of the measured 26 dB emission bandwidth.
3. The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cables. An RF level offset was entered on the signal analyser to compensate for the loss of the switch, attenuators and RF cables.
4. For channels that straddle the U-NII-2C and U-NII-3 bands at 5725 MHz, emission bandwidth measurements were performed twice. Measurements of the entire 26 dB emission bandwidth, that is contained on both U-NII-2C and U-NII-3 bands, were used for power measurements. Measurements on the emission's portion that is contained only within the U-NII-2C band, were used to calculate the conducted power limit on U-NII-2C. These are included as 'Reference plots' at the end of this section.

Test setup:



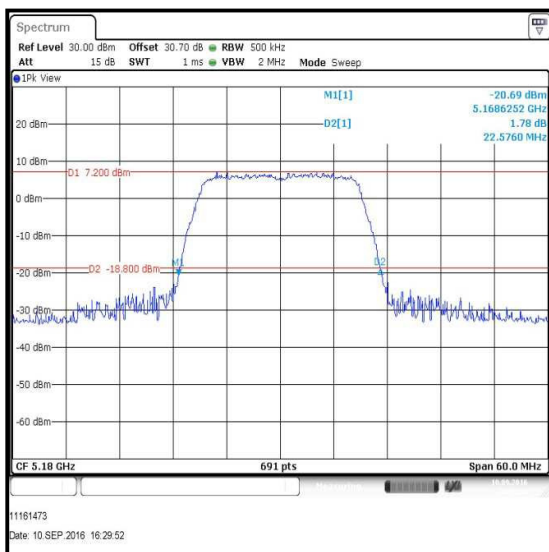
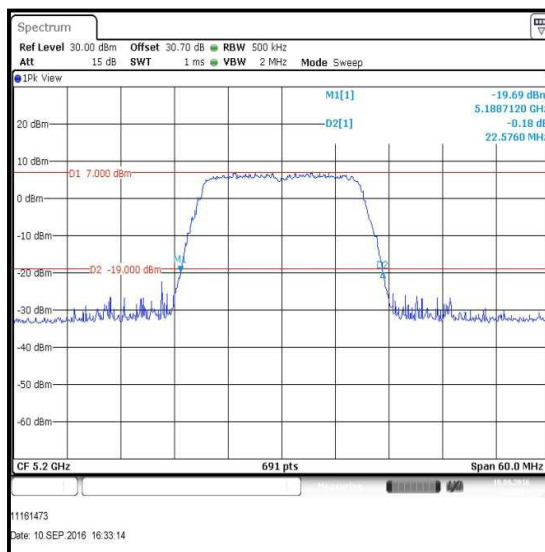
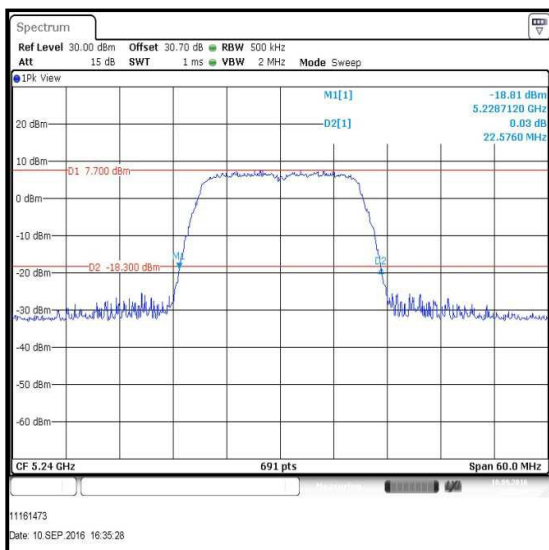
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11a / 20 MHz / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	6	22.315
Middle	5200	BPSK	6	22.315
Top	5240	BPSK	6	22.315

**Bottom Channel****Middle Channel****Top Channel**

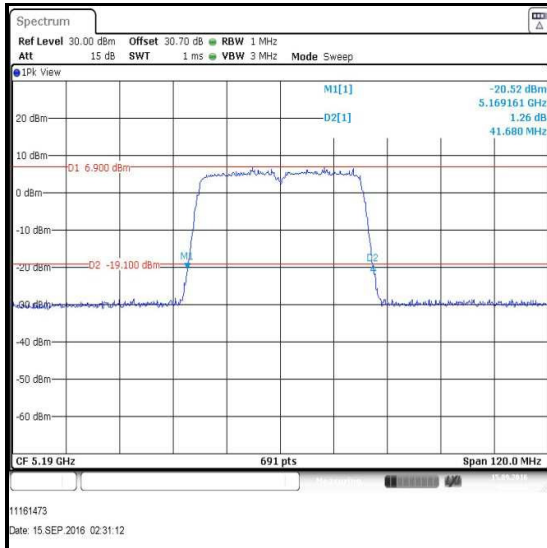
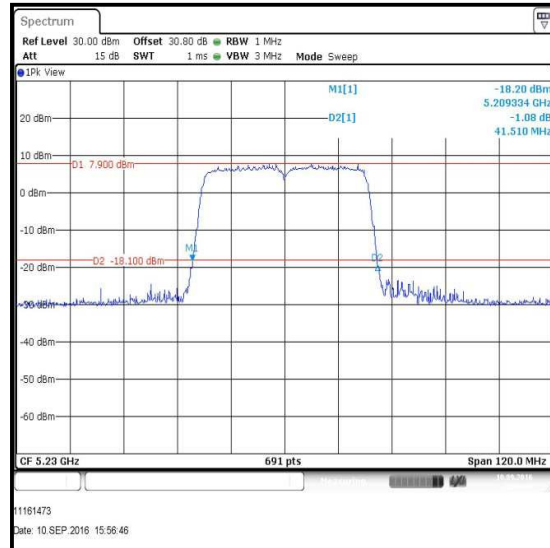
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / SISO / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	6.5 / 0	22.576
Middle	5200	BPSK	6.5 / 0	22.576
Top	5240	BPSK	6.5 / 0	22.576

**Bottom Channel****Middle Channel****Top Channel**

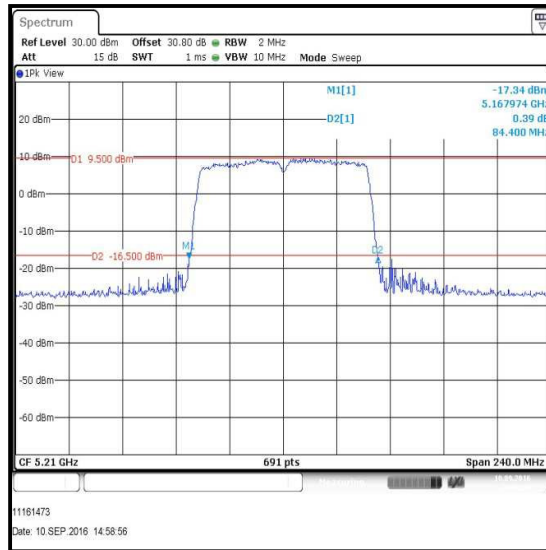
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / SISO / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	13.5 / 0	41.680
Top	5230	BPSK	13.5 / 0	41.510

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / SISO / 5.15-5.25 GHz band / Port 3**

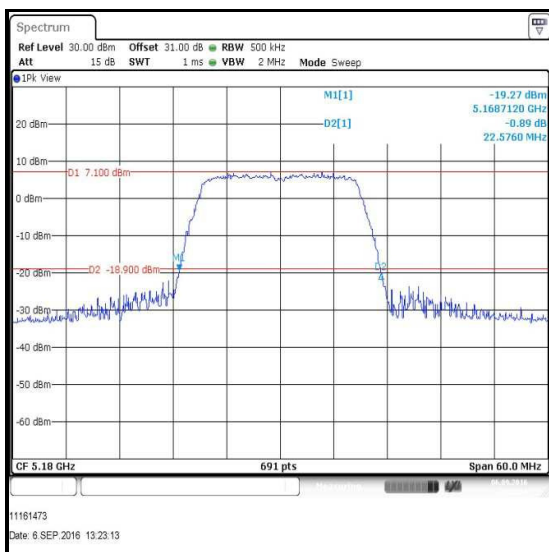
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	29.3 / 0x1	84.400

**Single Channel**

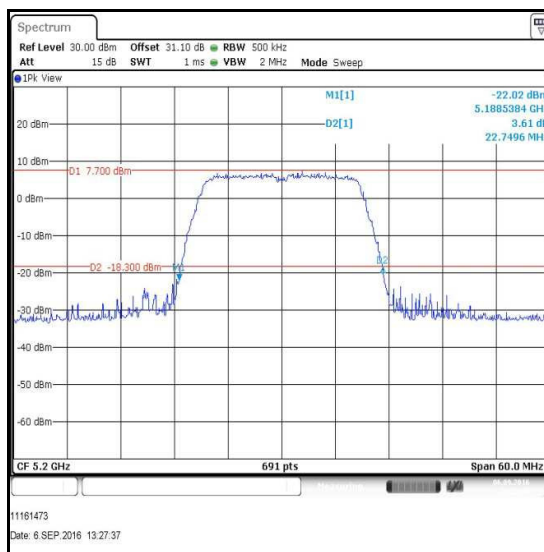
Transmitter 26 dB Emission Bandwidth (continued)

Results: 802.11n / HT20 / MIMO / 2Tx CDD / 5.15-5.25 GHz band / Port 1

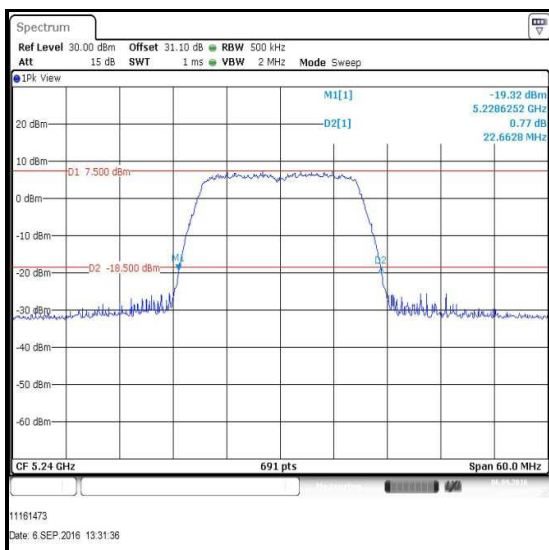
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	6.5 / 0	22.576
Middle	5200	BPSK	6.5 / 0	22.750
Top	5240	BPSK	6.5 / 0	22.663



Bottom Channel



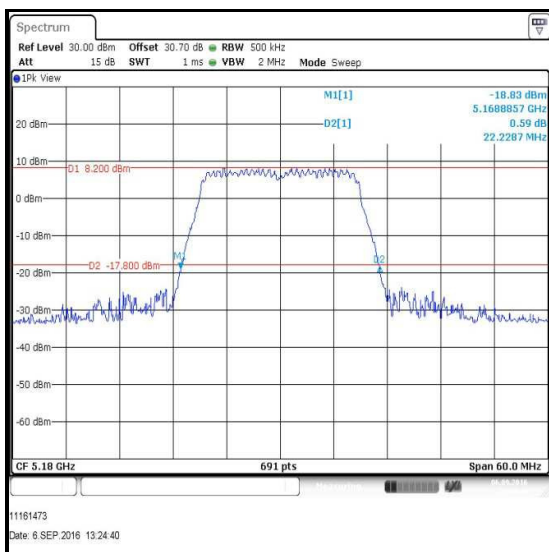
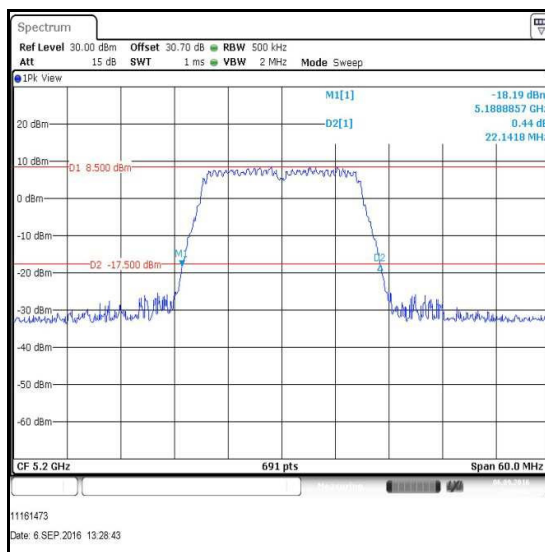
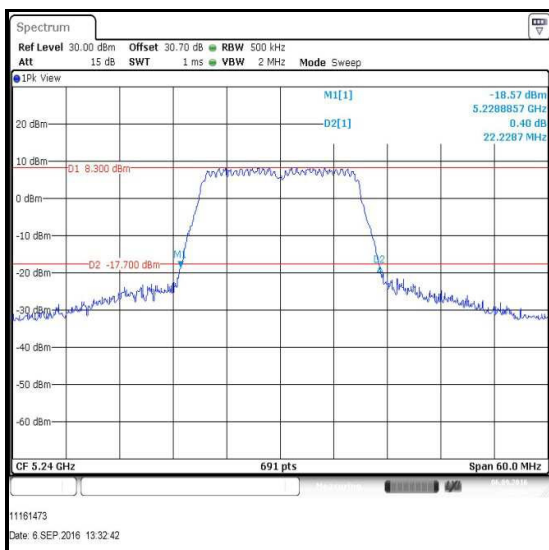
Middle Channel



Top Channel

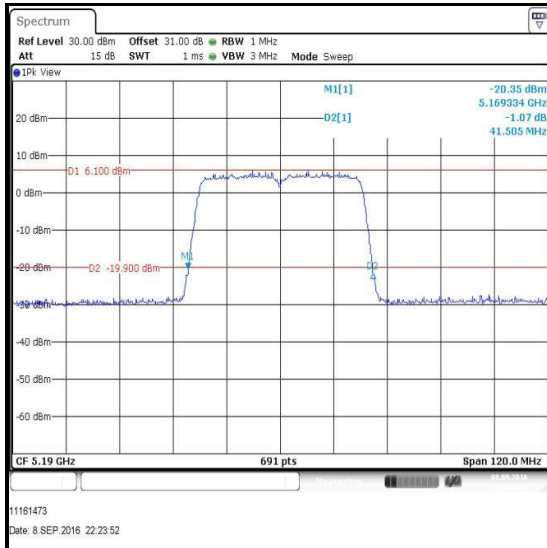
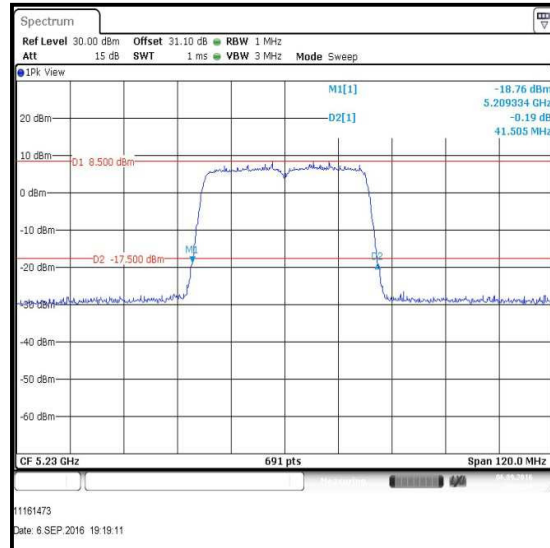
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	6.5 / 0	22.229
Middle	5200	BPSK	6.5 / 0	22.142
Top	5240	BPSK	6.5 / 0	22.229

**Bottom Channel****Middle Channel****Top Channel**

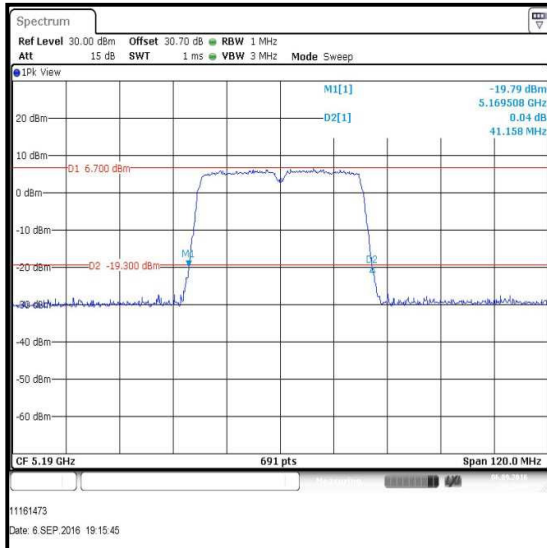
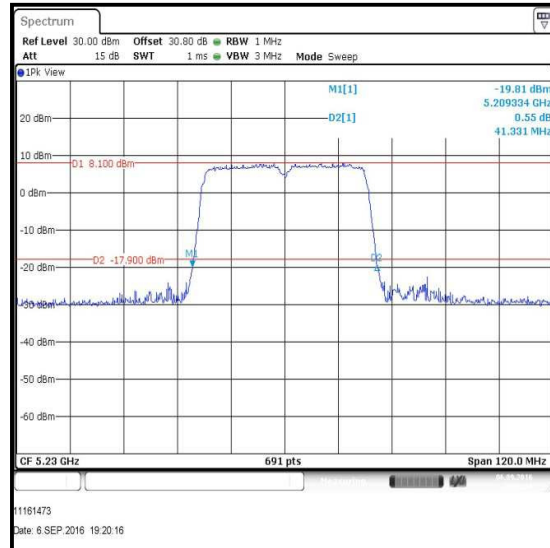
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx CDD / 5.15-5.25 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	13.5 / 0	41.505
Top	5230	BPSK	13.5 / 0	41.505

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx CDD / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	13.5 / 0	41.158
Top	5230	BPSK	13.5 / 0	41.331

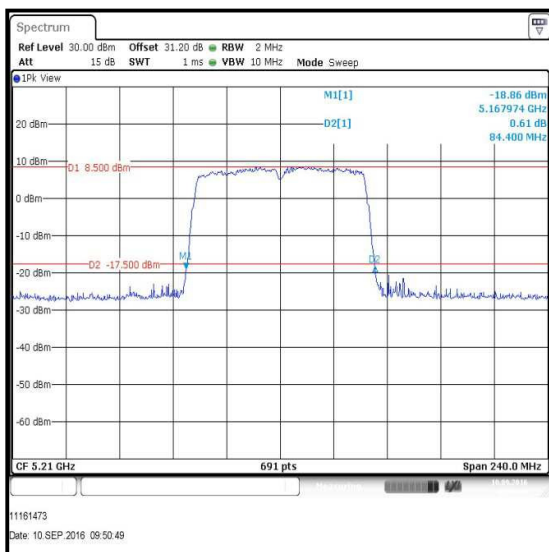
**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / 5.15-5.25 GHz band / Port 1**

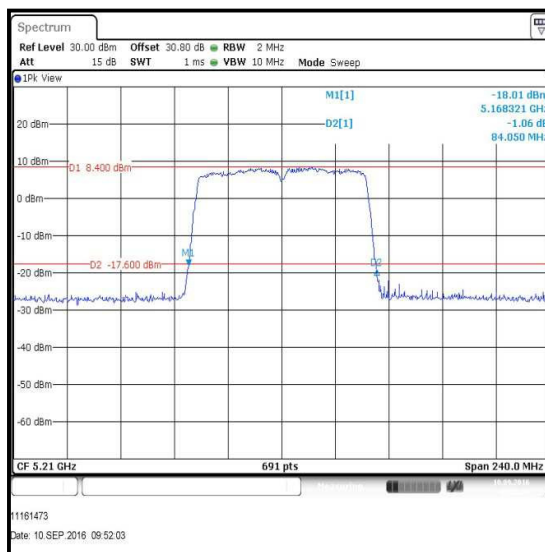
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	29.3 / 0x1	84.400

Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / 5.15-5.25 GHz band / Port 3

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	29.3 / 0x1	84.050



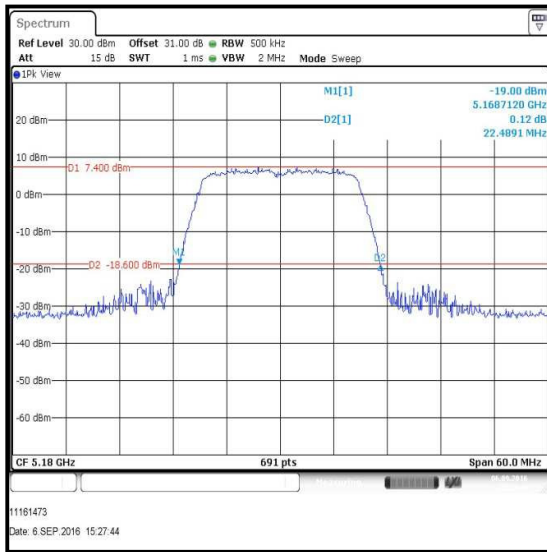
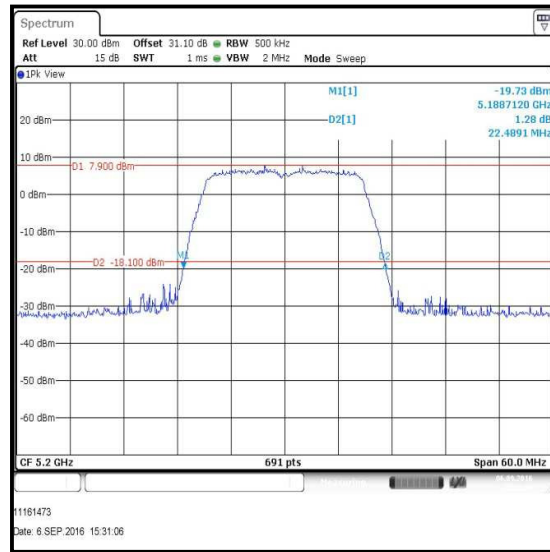
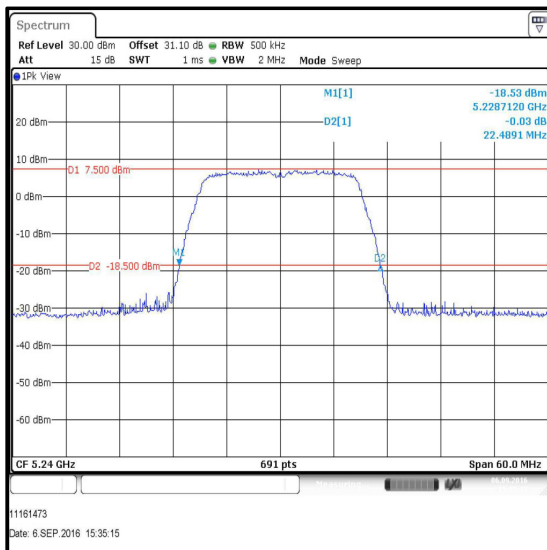
Single Channel / Port 1



Single Channel / Port 3

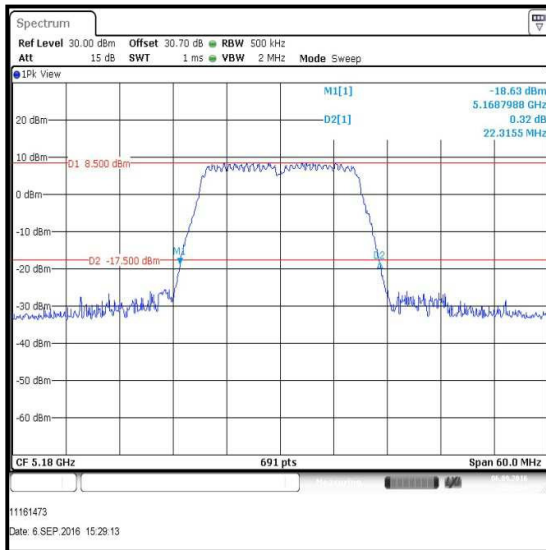
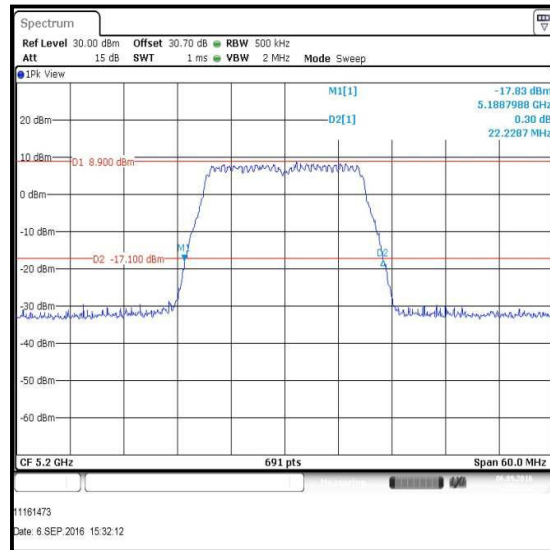
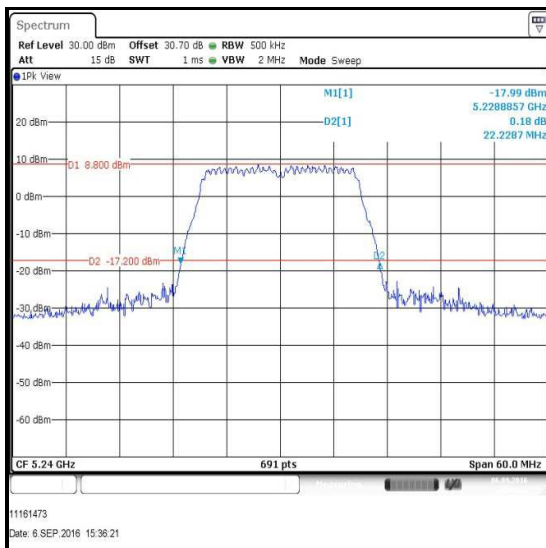
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 2Tx STBC / 5.15-5.25 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	13.0 / 0	22.489
Middle	5200	BPSK	13.0 / 0	22.489
Top	5240	BPSK	13.0 / 0	22.489

**Bottom Channel****Middle Channel****Top Channel**

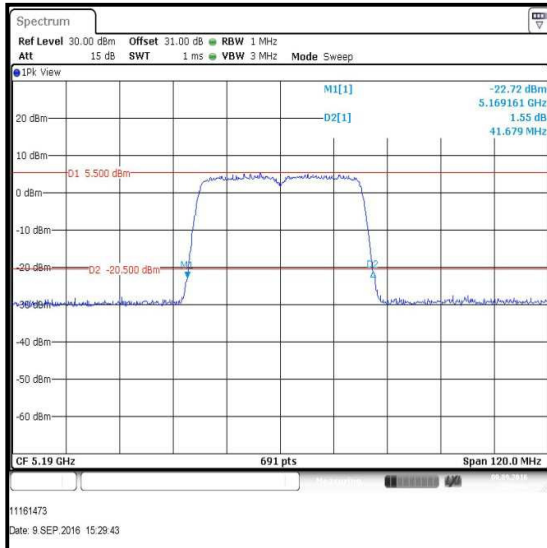
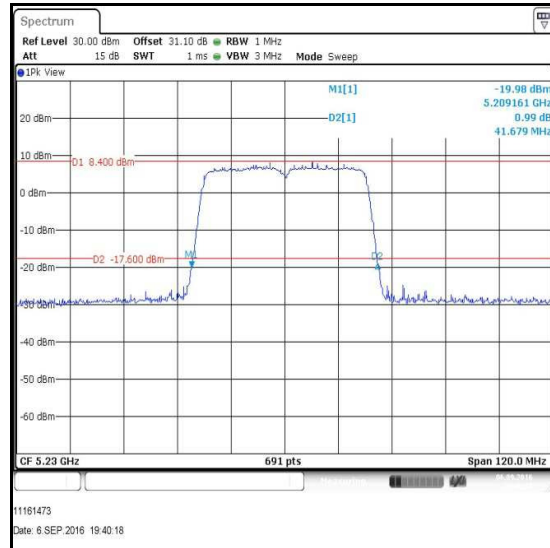
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 2Tx STBC / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	13.0 / 0	22.316
Middle	5200	BPSK	13.0 / 0	22.229
Top	5240	BPSK	13.0 / 0	22.229

**Bottom Channel****Middle Channel****Top Channel**

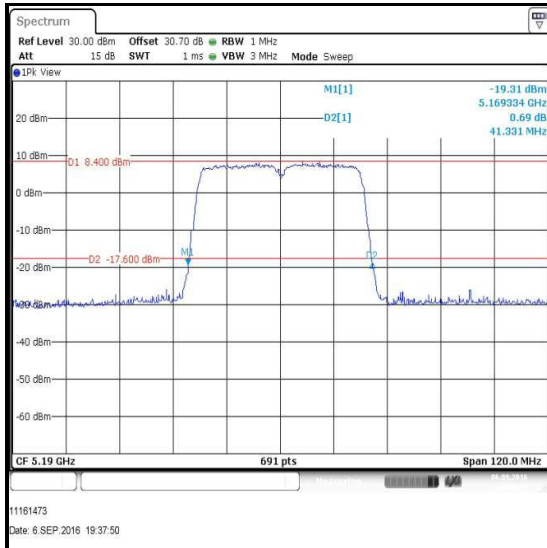
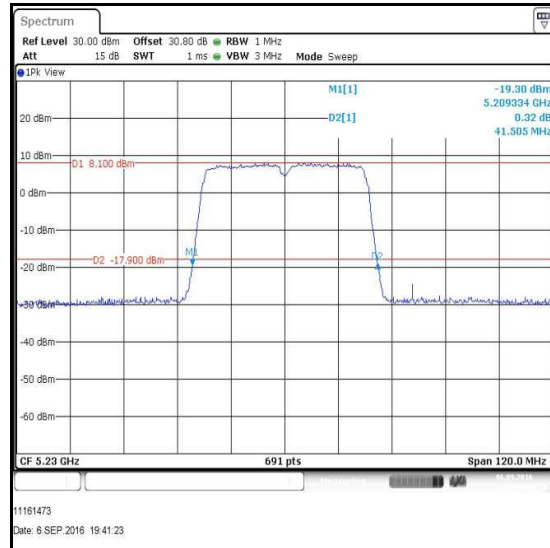
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx STBC / 5.15-5.25 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	27.0 / 0	41.679
Top	5230	BPSK	27.0 / 0	41.679

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx STBC / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	27.0 / 0	41.331
Top	5230	BPSK	27.0 / 0	41.505

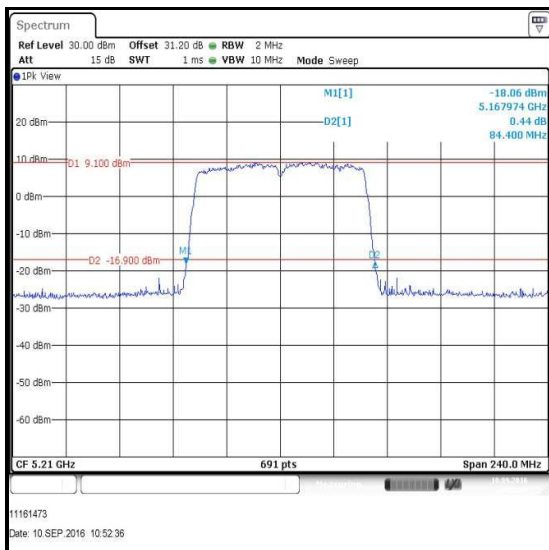
**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / 5.15-5.25 GHz band / Port 1**

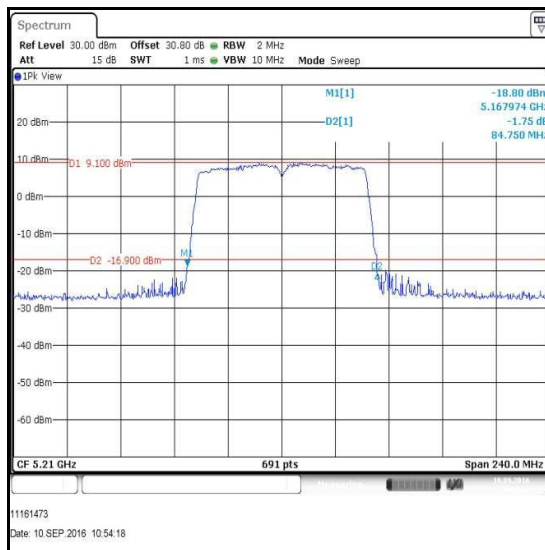
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	58.6 / 0x1	84.400

Results: 802.11ac / VHT80 / MIMO / 2Tx SBTC / 5.15-5.25 GHz band / Port 3

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	58.6 / 0x1	84.750



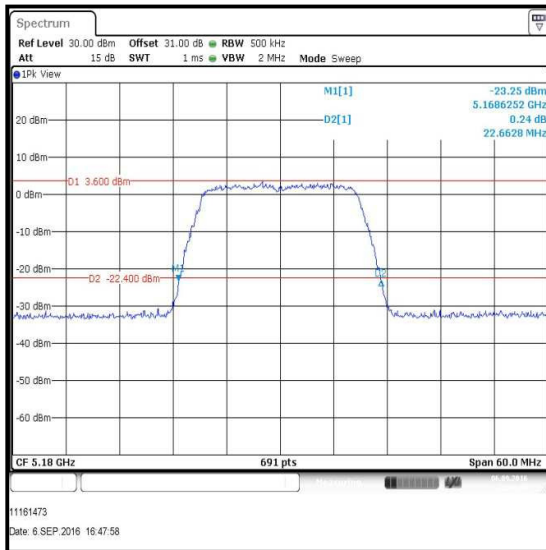
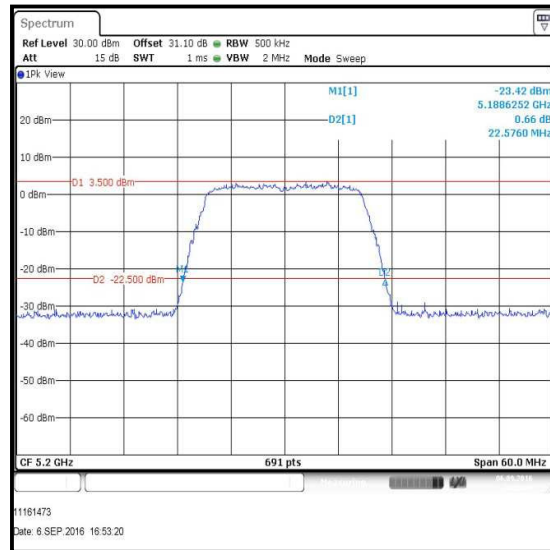
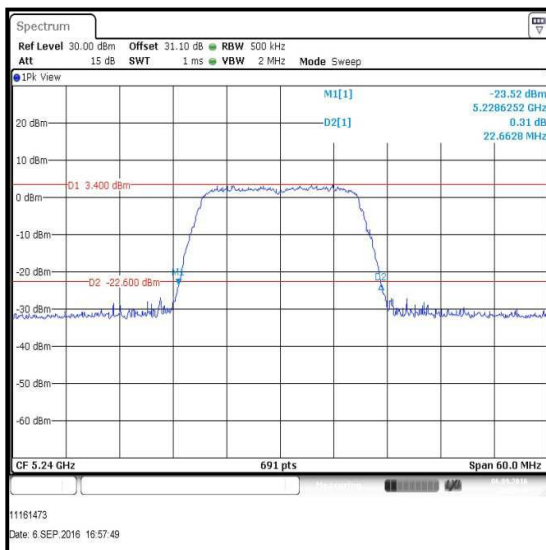
Single Channel / Port 1



Single Channel / Port 3

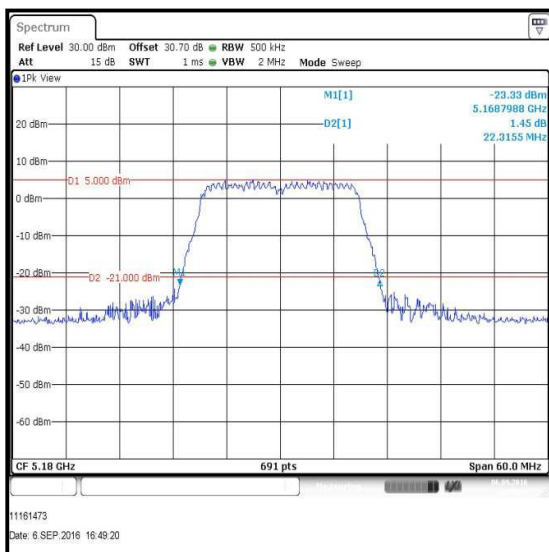
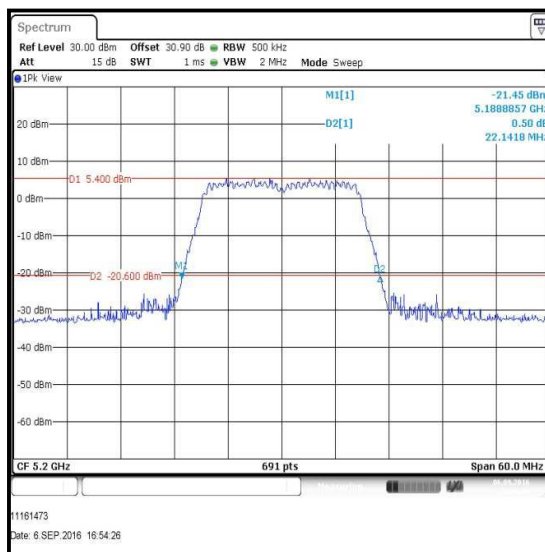
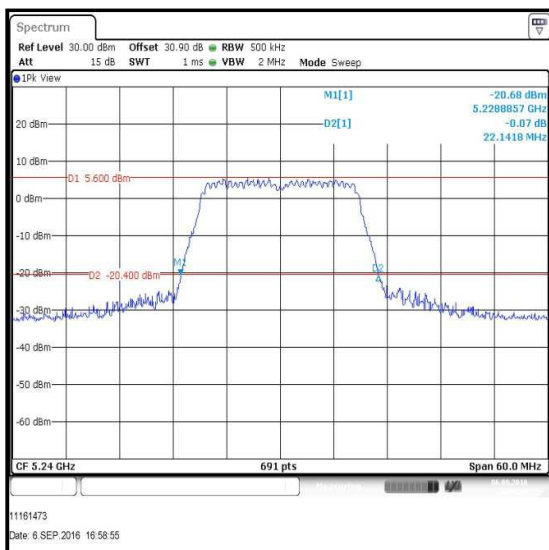
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	6.5 / 0	22.663
Middle	5200	BPSK	6.5 / 0	22.576
Top	5240	BPSK	6.5 / 0	22.663

**Bottom Channel****Middle Channel****Top Channel**

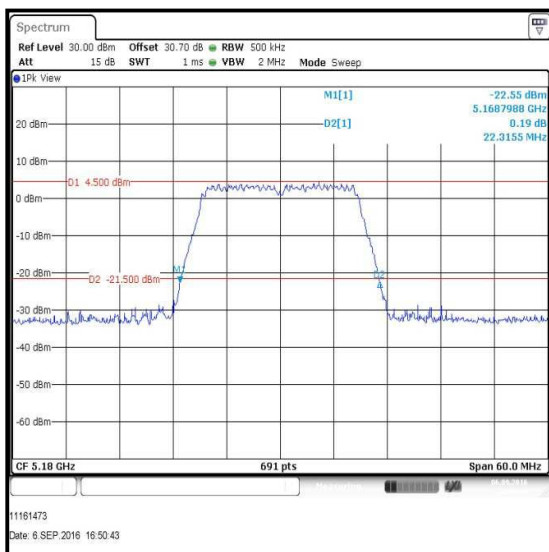
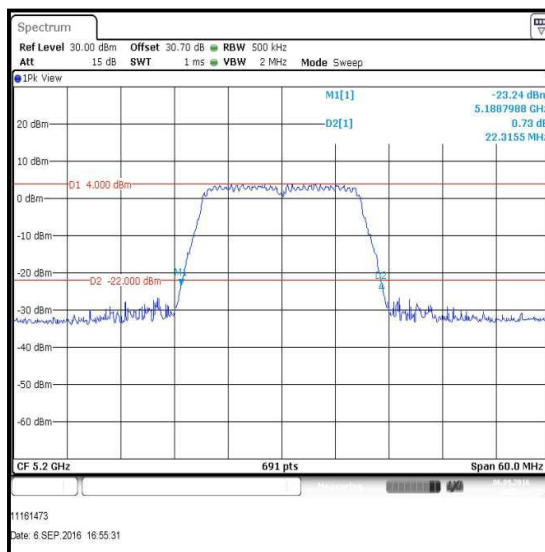
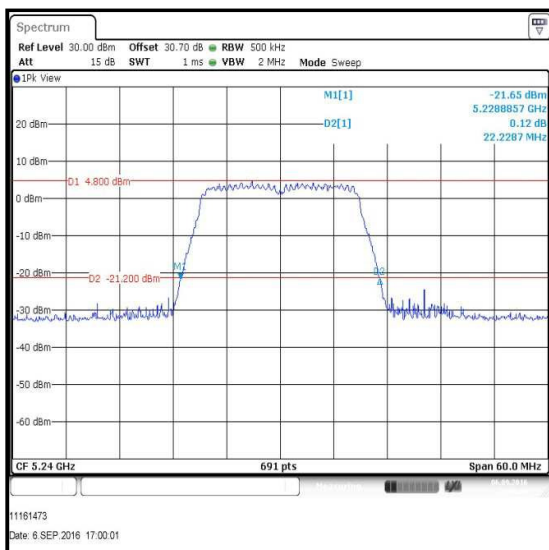
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 2**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	6.5 / 0	22.316
Middle	5200	BPSK	6.5 / 0	22.142
Top	5240	BPSK	6.5 / 0	22.142

**Bottom Channel****Middle Channel****Top Channel**

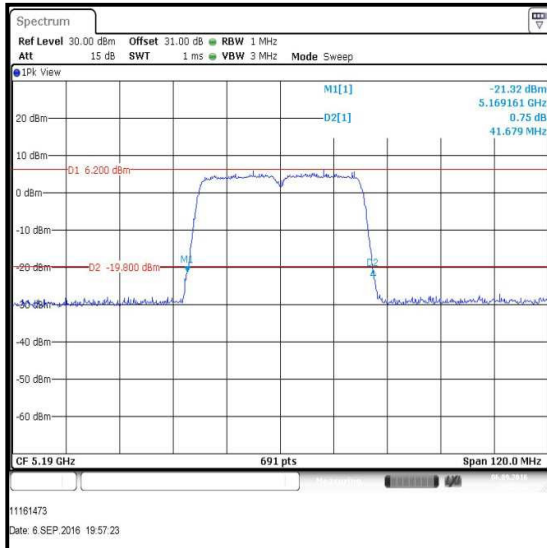
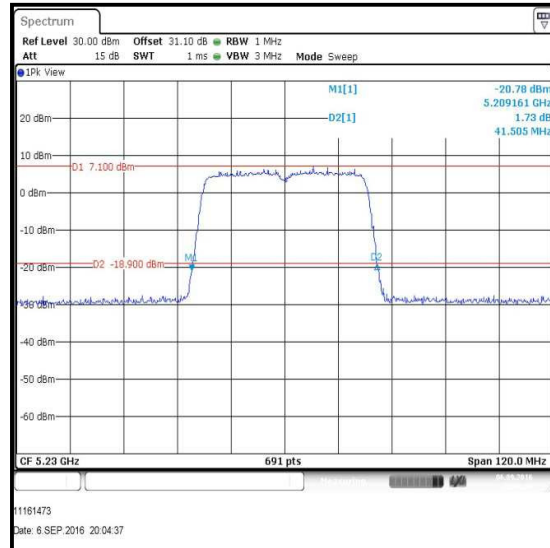
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	6.5 / 0	22.316
Middle	5200	BPSK	6.5 / 0	22.316
Top	5240	BPSK	6.5 / 0	22.229

**Bottom Channel****Middle Channel****Top Channel**

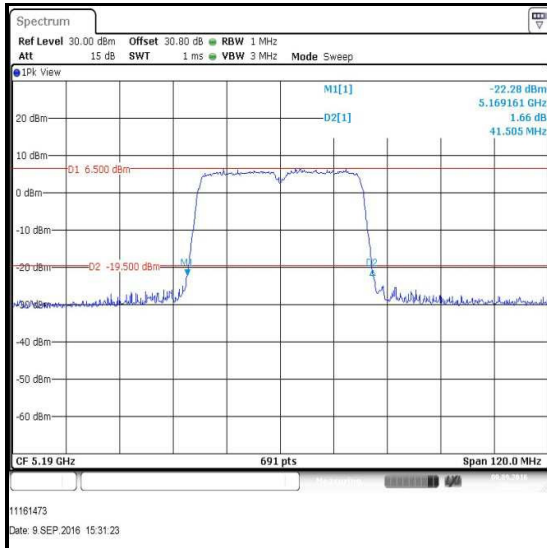
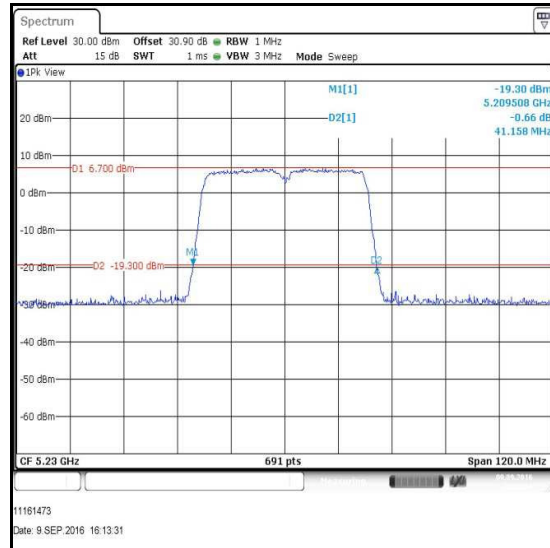
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	13.5 / 0	41.679
Top	5230	BPSK	13.5 / 0	41.505

**Bottom Channel****Top Channel**

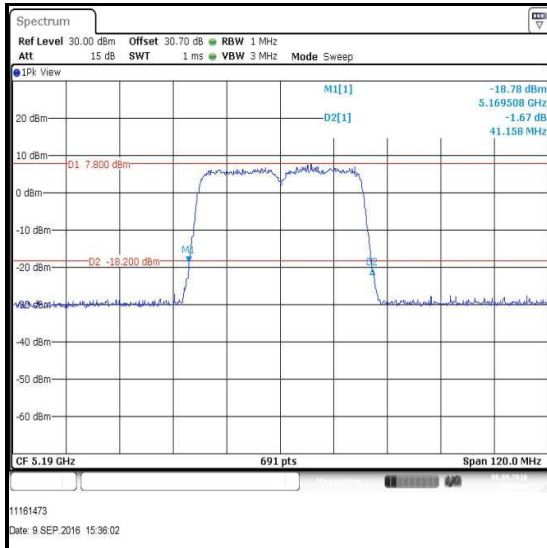
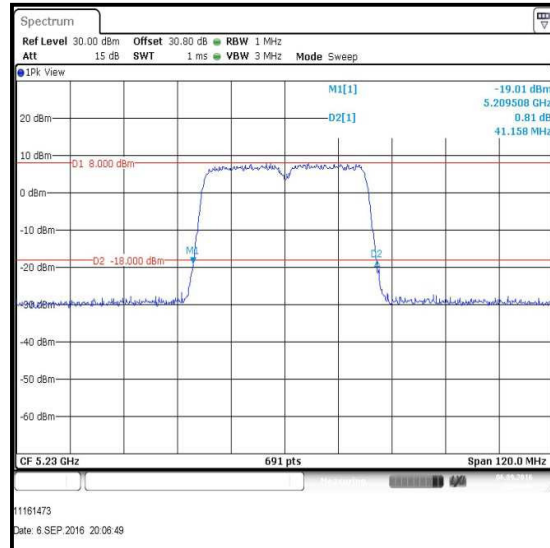
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 2**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	13.5 / 0	41.505
Top	5230	BPSK	13.5 / 0	41.158

**Bottom Channel****Top Channel**

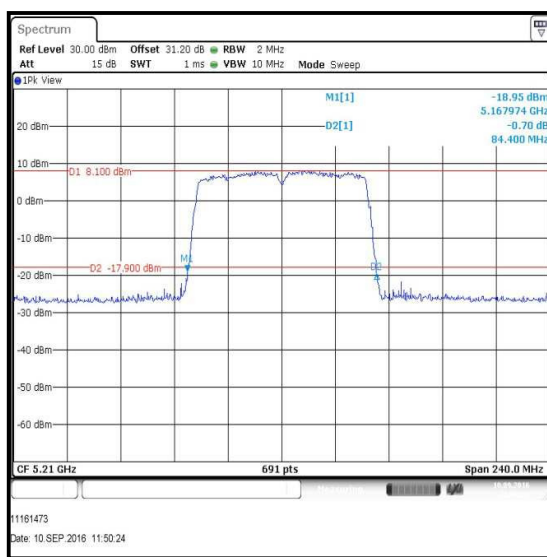
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	13.5 / 0	41.158
Top	5230	BPSK	13.5 / 0	41.158

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 1**

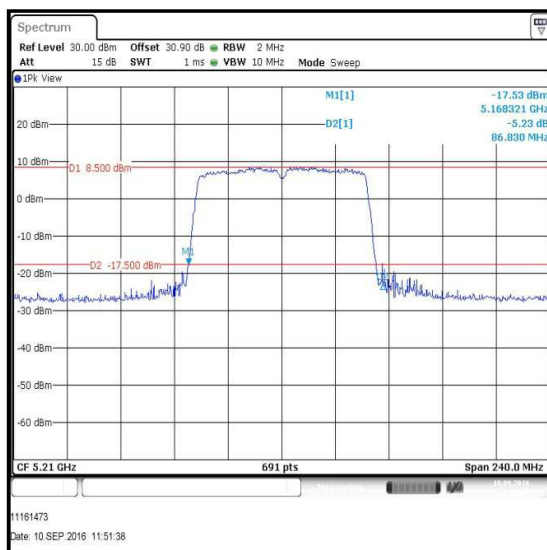
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	29.3 / 0x1	84.400



Single Channel

Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 2

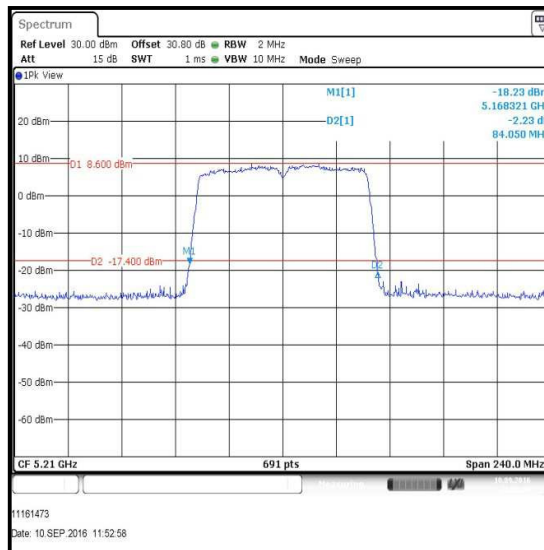
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	29.3 / 0x1	86.830



Single Channel

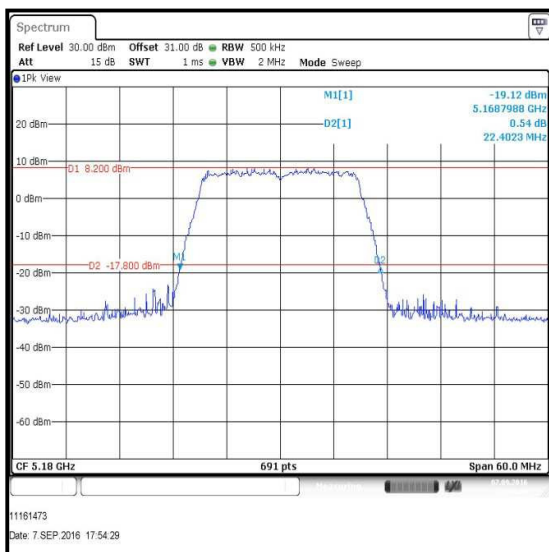
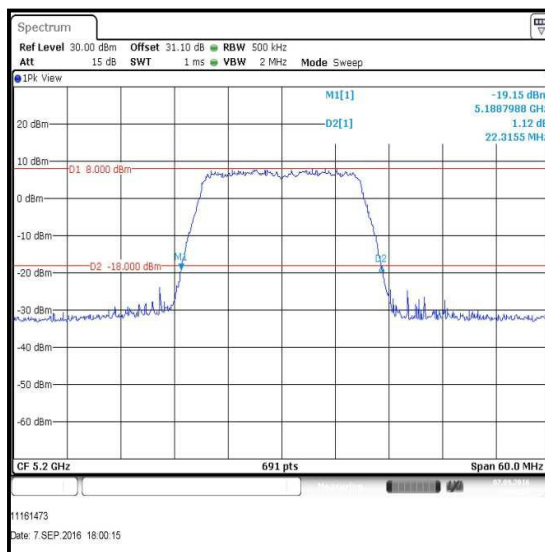
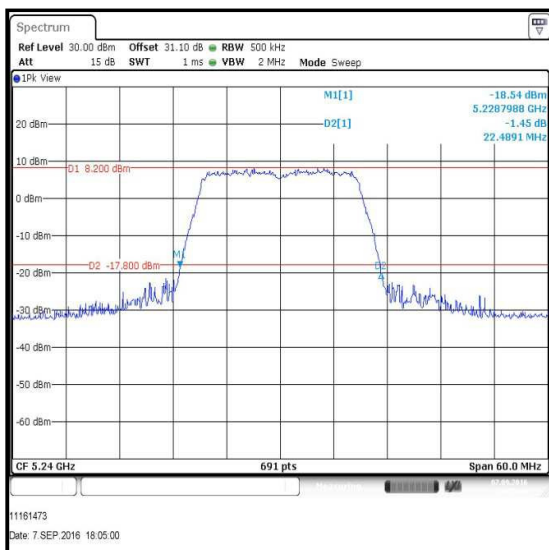
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / MIMO / 3Tx CDD / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	29.3 / 0x1	84.050

**Single Channel**

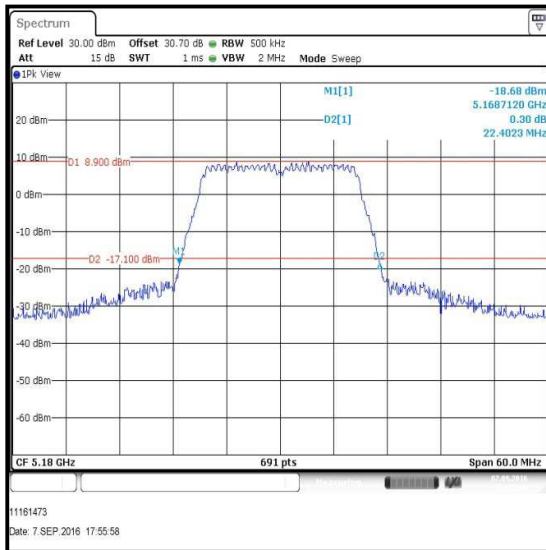
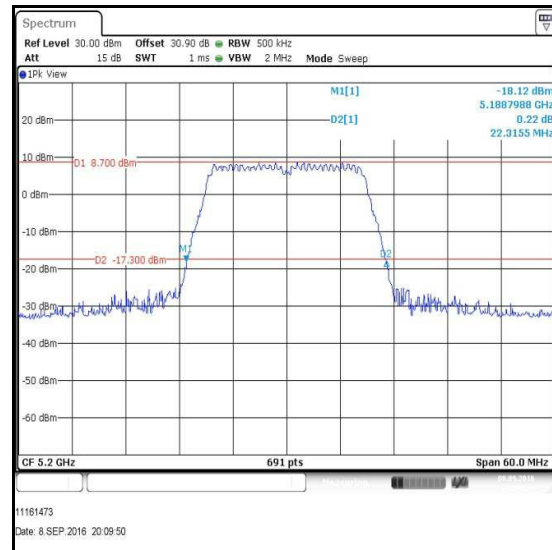
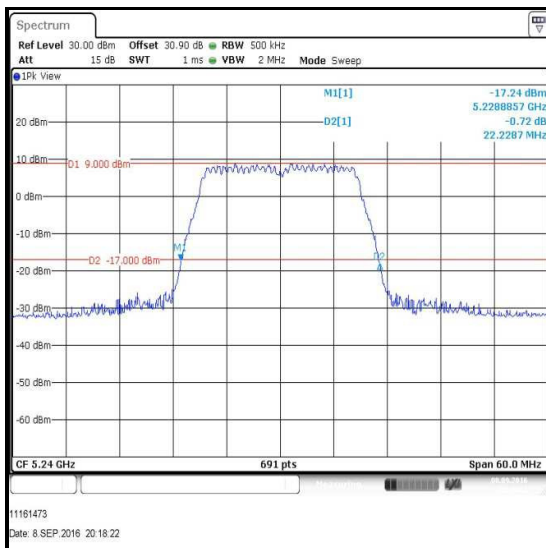
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx STBC / 5.15-5.25 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	19.5 / 0	22.402
Middle	5200	BPSK	19.5 / 0	22.316
Top	5240	BPSK	19.5 / 0	22.489

**Bottom Channel****Middle Channel****Top Channel**

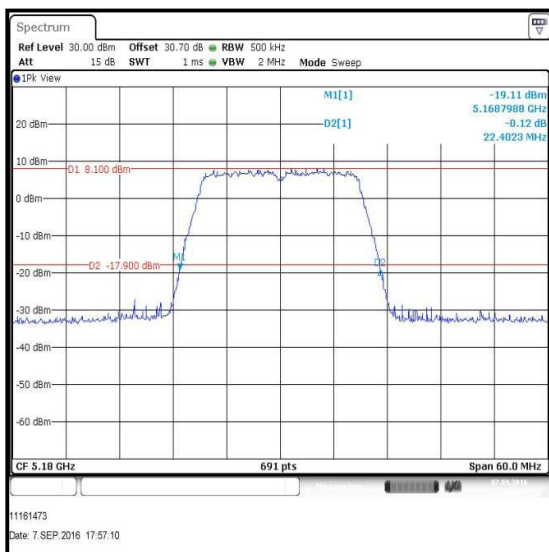
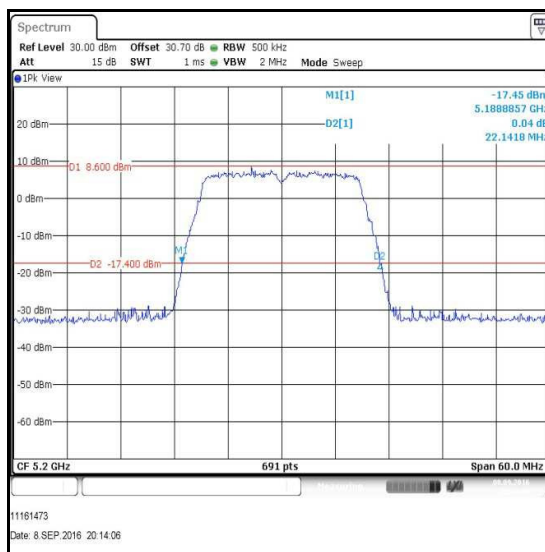
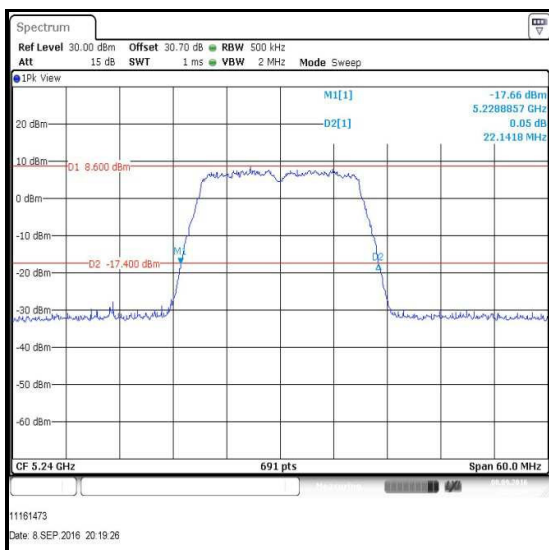
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx STBC / 5.15-5.25 GHz band / Port 2**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	19.5 / 0	22.402
Middle	5200	BPSK	19.5 / 0	22.316
Top	5240	BPSK	19.5 / 0	22.229

**Bottom Channel****Middle Channel****Top Channel**

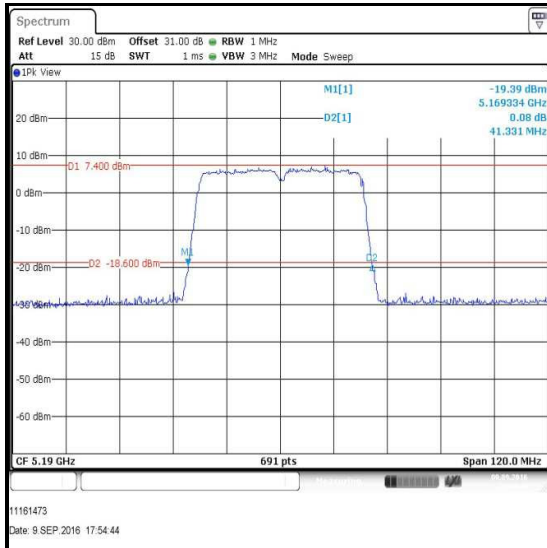
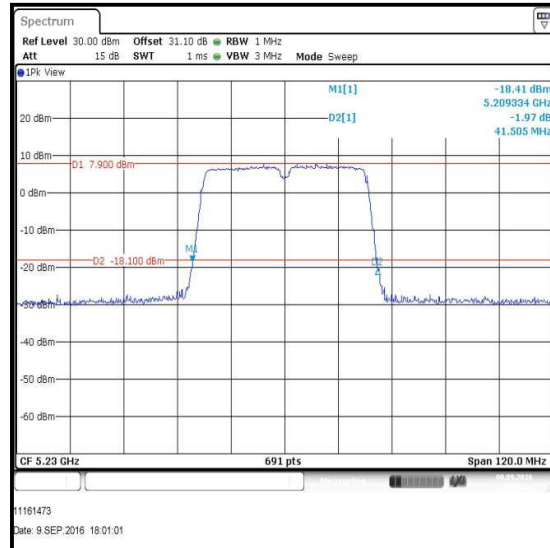
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx STBC / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5180	BPSK	19.5 / 0	22.402
Middle	5200	BPSK	19.5 / 0	22.142
Top	5240	BPSK	19.5 / 0	22.142

**Bottom Channel****Middle Channel****Top Channel**

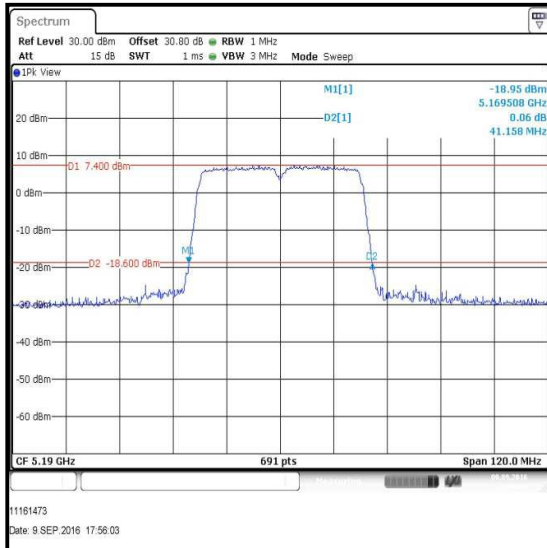
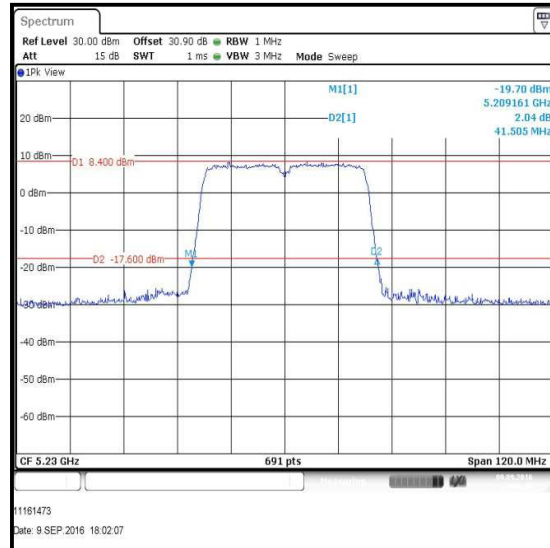
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 3Tx STBC / 5.15-5.25 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	40.5 / 0	41.331
Top	5230	BPSK	40.5 / 0	41.505

**Bottom Channel****Top Channel**

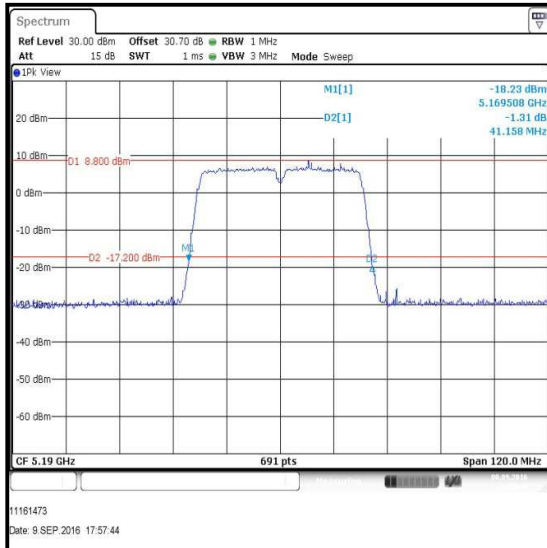
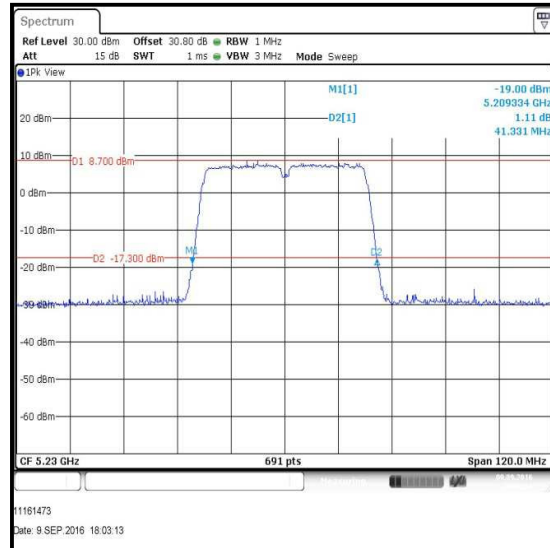
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 3Tx STBC / 5.15-5.25 GHz band / Port 2**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	40.5 / 0	41.158
Top	5230	BPSK	40.5 / 0	41.505

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 3Tx STBC / 5.15-5.25 GHz band / Port 3**

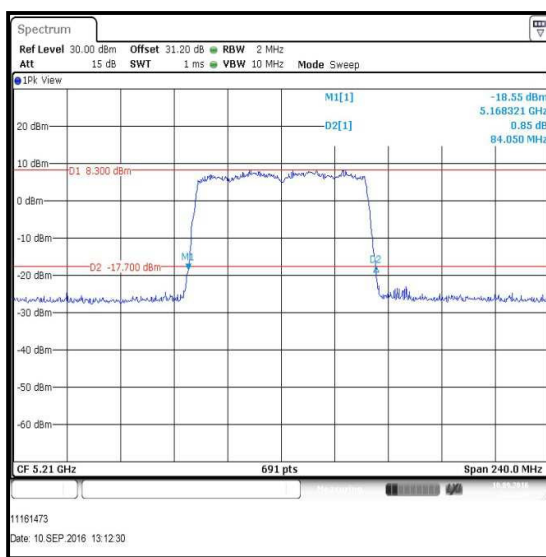
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5190	BPSK	40.5 / 0	41.158
Top	5230	BPSK	40.5 / 0	41.331

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)

Results: 802.11ac / VHT80 / MIMO / 3Tx STBC / 5.15-5.25 GHz band / Port 1

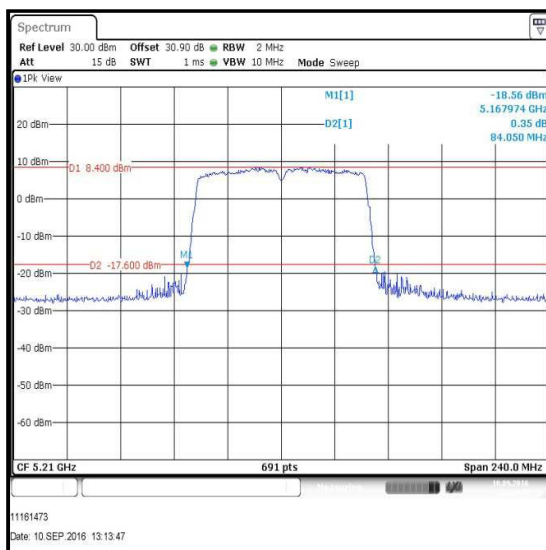
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	87.8 / 0x1	84.050



Single Channel

Results: 802.11ac / VHT80 / MIMO / 3Tx SBTC / MCS0x1 / 5.15-5.25 GHz band / Port 2

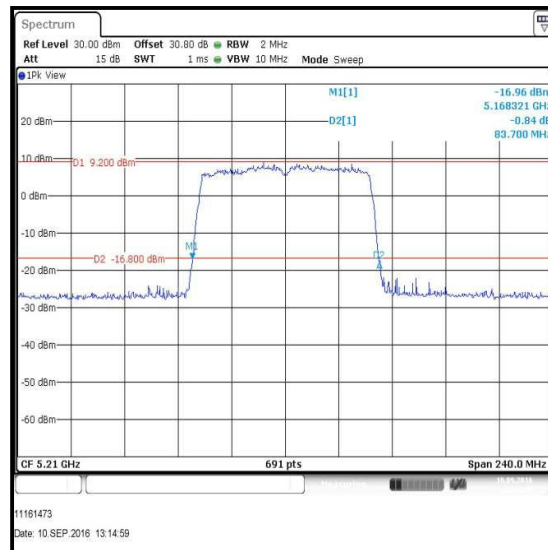
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	87.8 / 0x1	84.050



Single Channel

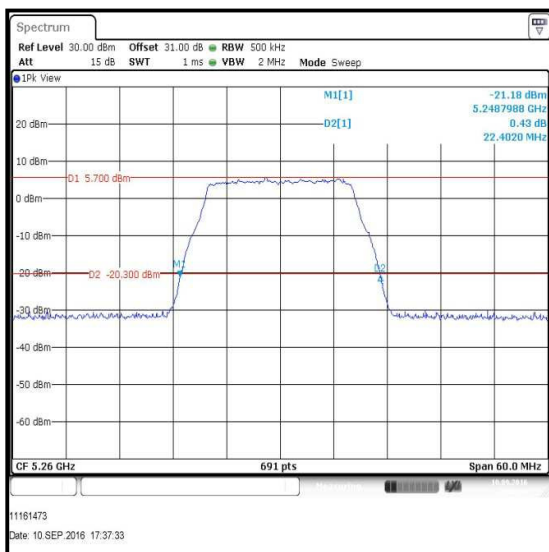
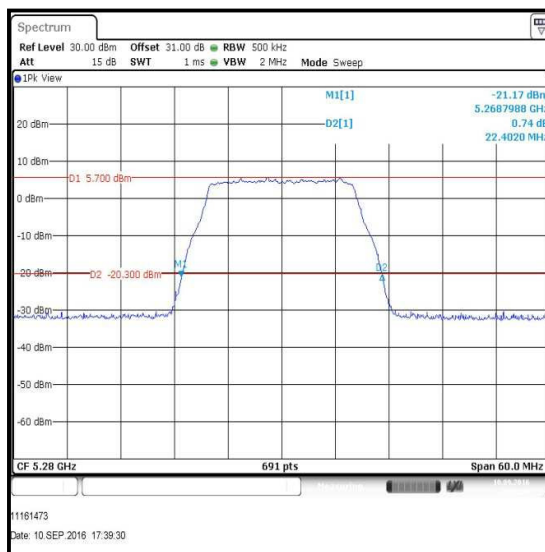
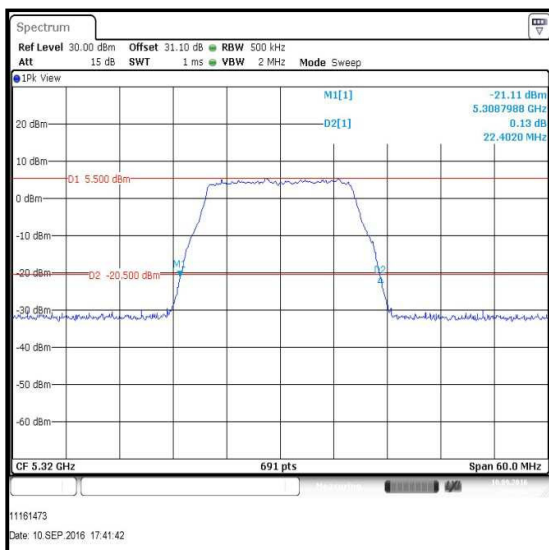
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / MIMO / 3Tx SBTC / MCS0x1 / 5.15-5.25 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5210	BPSK	87.8 / 0x1	83.700

**Single Channel**

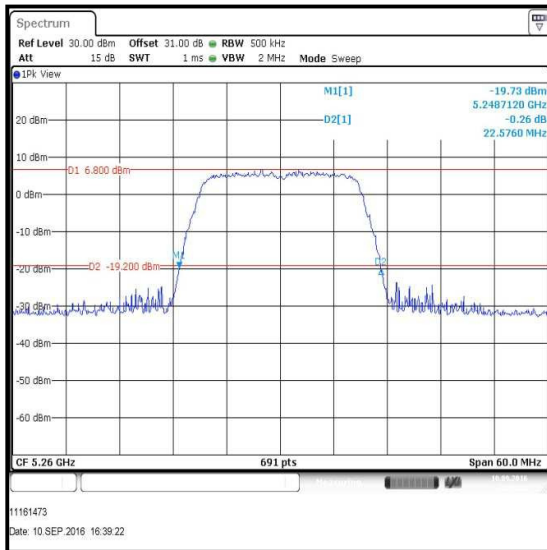
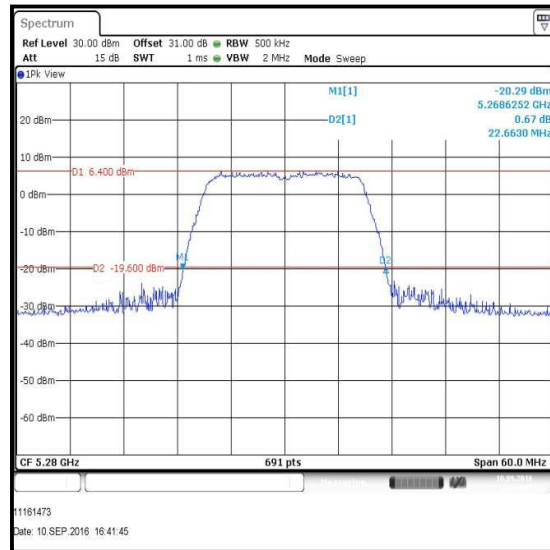
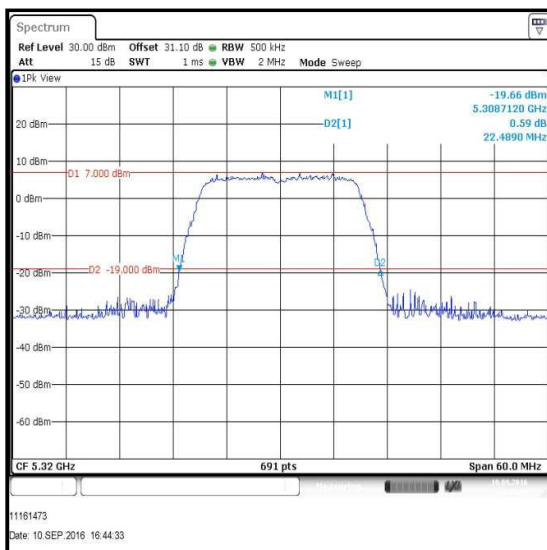
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11a / 20 MHz / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	6	22.402
Middle	5280	BPSK	6	22.402
Top	5320	BPSK	6	22.402

**Bottom Channel****Middle Channel****Top Channel**

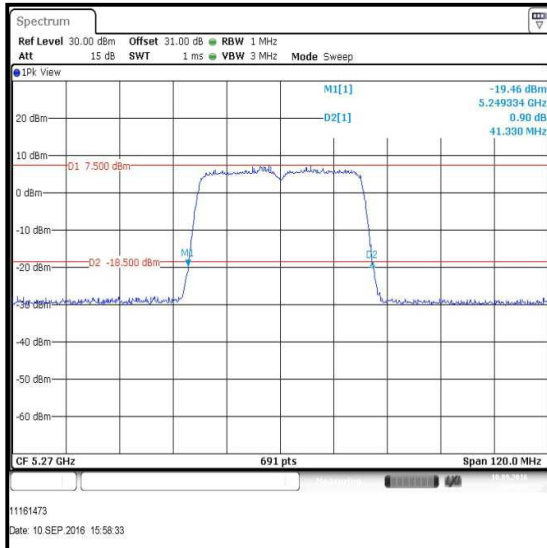
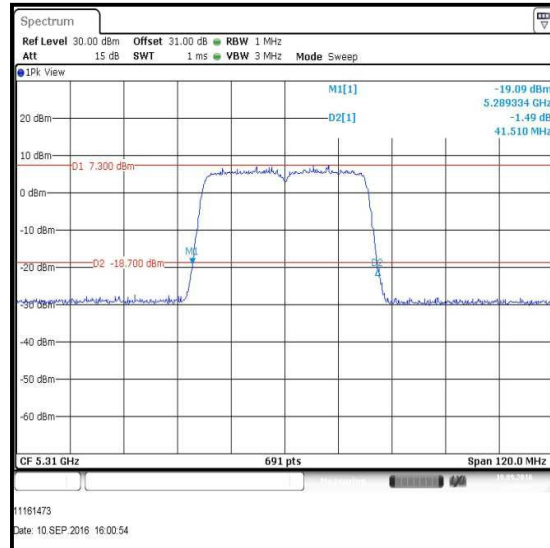
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / SISO / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	6.5 / 0	22.576
Middle	5280	BPSK	6.5 / 0	22.663
Top	5320	BPSK	6.5 / 0	22.489

**Bottom Channel****Middle Channel****Top Channel**

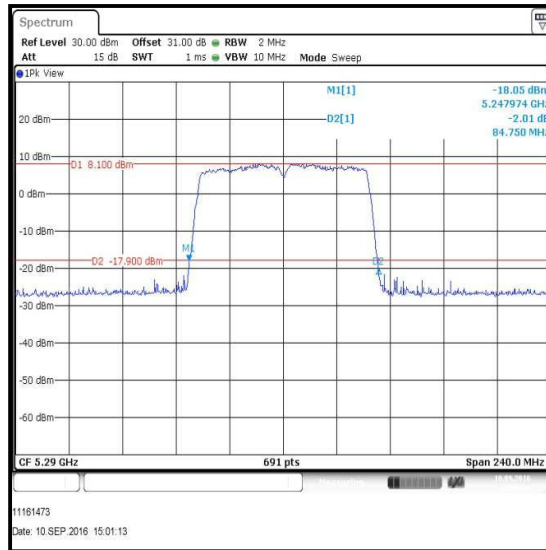
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / SISO / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5270	BPSK	13.5 / 0	41.330
Top	5310	BPSK	13.5 / 0	41.510

**Bottom Channel****Top Channel**

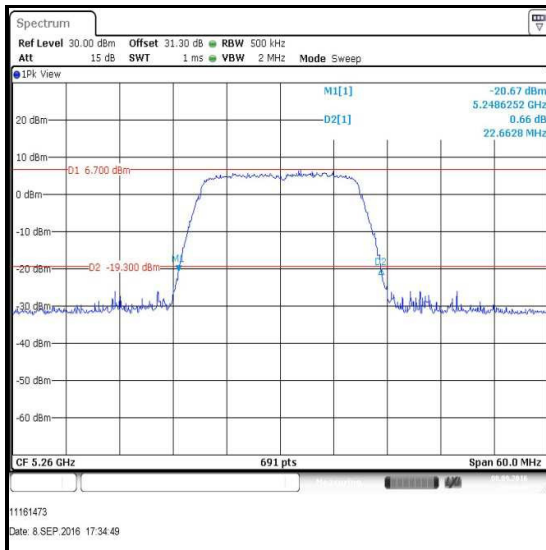
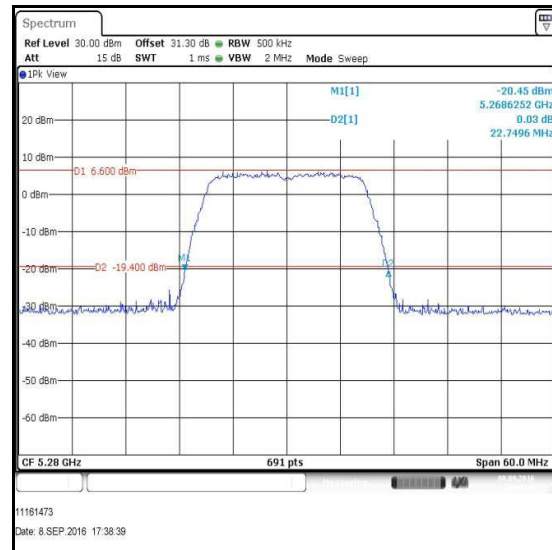
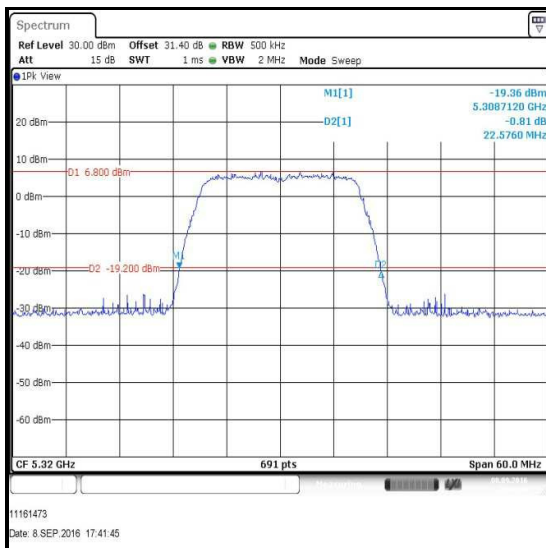
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / SISO / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5290	BPSK	29.3 / 0x1	84.750

**Single Channel**

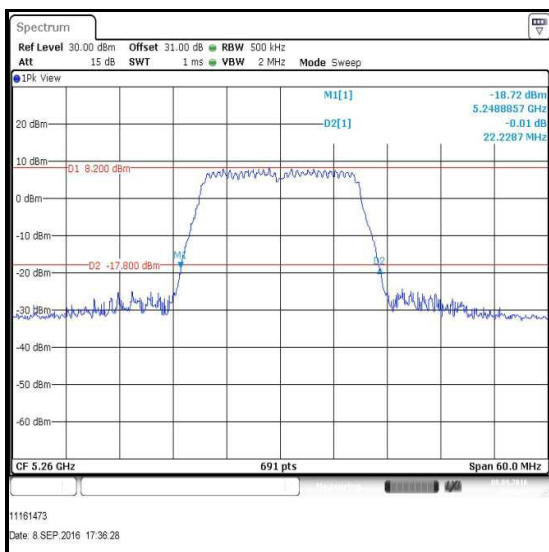
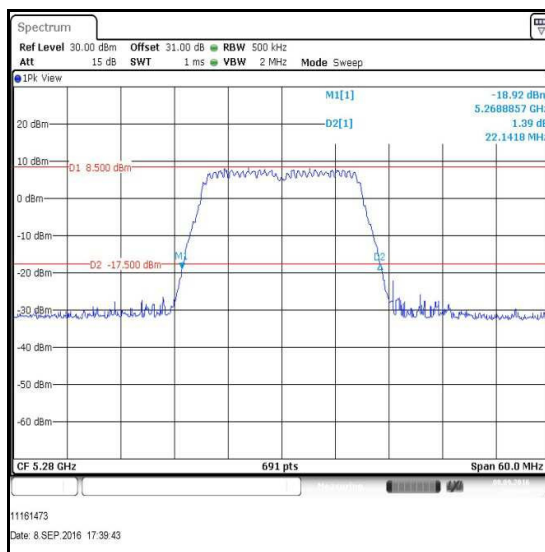
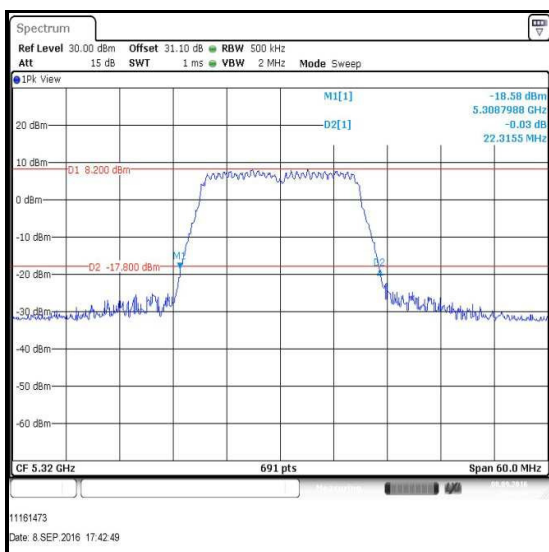
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / 5.25-5.35 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	6.5 / 0	22.663
Middle	5280	BPSK	6.5 / 0	22.750
Top	5320	BPSK	6.5 / 0	22.576

**Bottom Channel****Middle Channel****Top Channel**

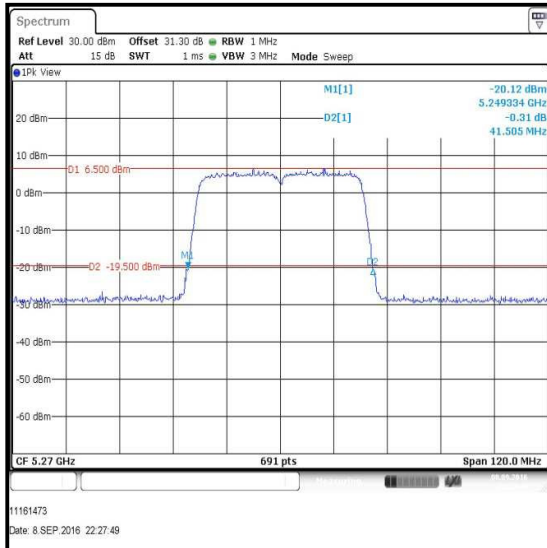
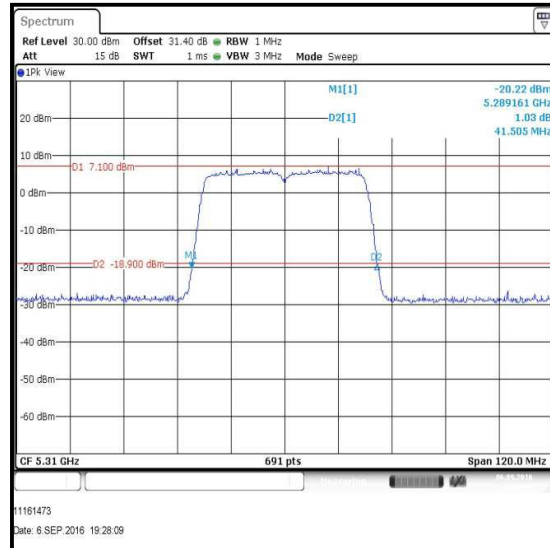
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 2Tx CDD / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	6.5 / 0	22.229
Middle	5280	BPSK	6.5 / 0	22.142
Top	5320	BPSK	6.5 / 0	22.316

**Bottom Channel****Middle Channel****Top Channel**

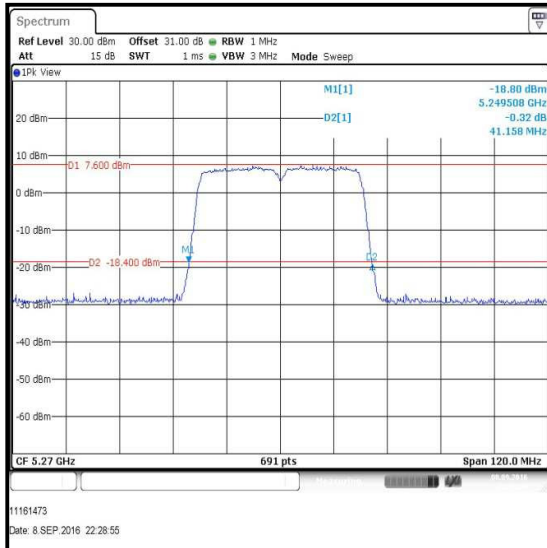
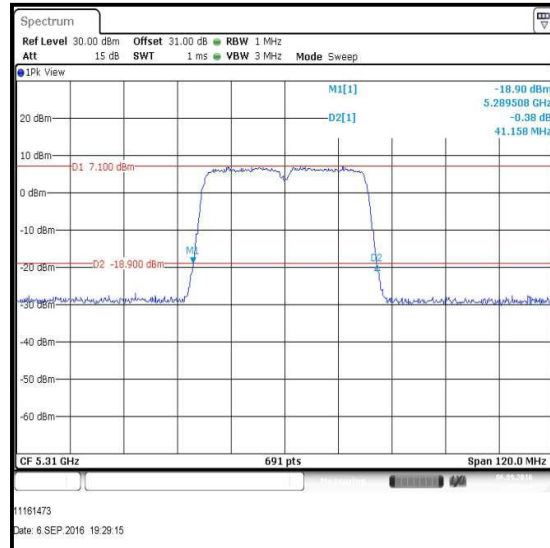
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx CDD / 5.25-5.35 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5270	BPSK	13.5 / 0	41.505
Top	5310	BPSK	13.5 / 0	41.505

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx CDD / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5270	BPSK	13.5 / 0	41.158
Top	5310	BPSK	13.5 / 0	41.158

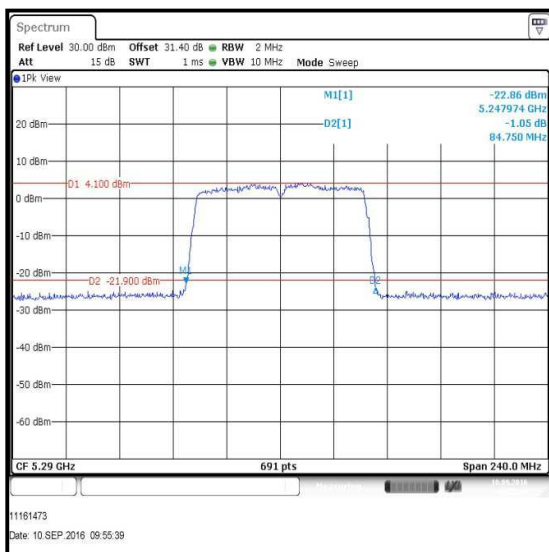
**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / 5.25-5.35 GHz band / Port 1**

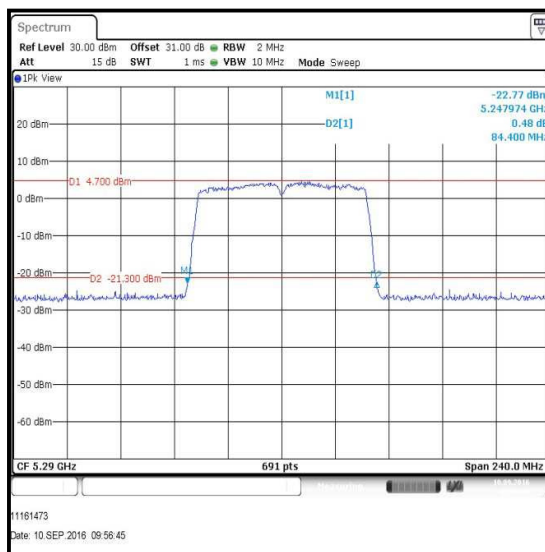
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5290	BPSK	29.3 / 0x1	84.750

Results: 802.11ac / VHT80 / MIMO / 2Tx CDD / 5.25-5.35 GHz band / Port 3

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5290	BPSK	29.3 / 0x1	84.400



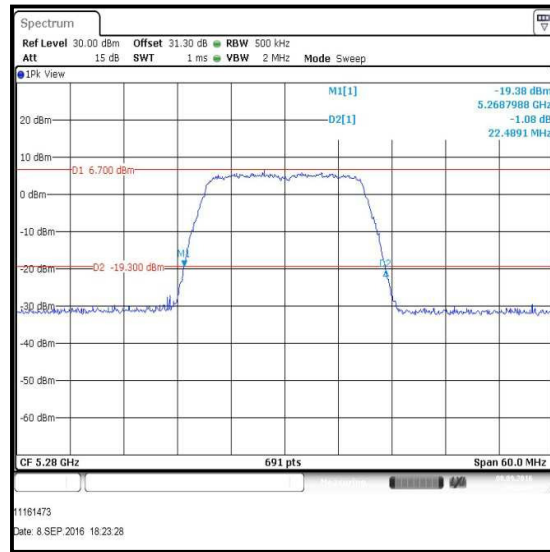
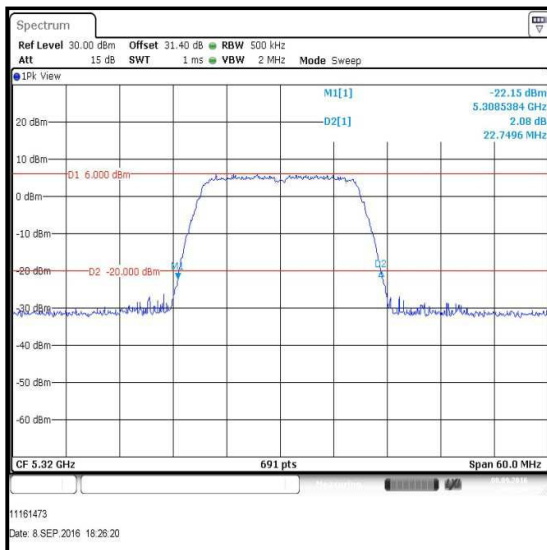
Single Channel / Port 1



Single Channel / Port 3

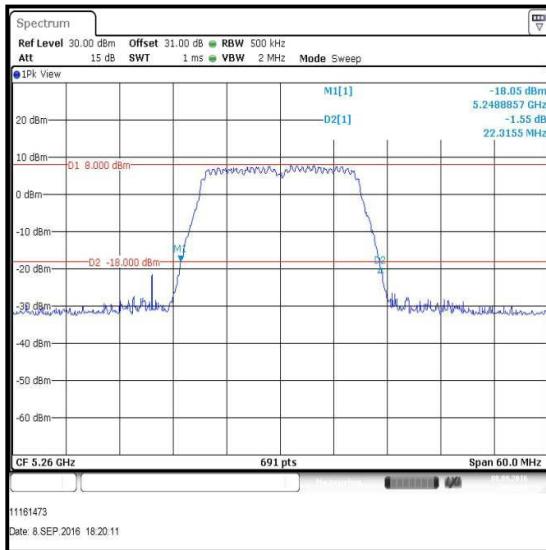
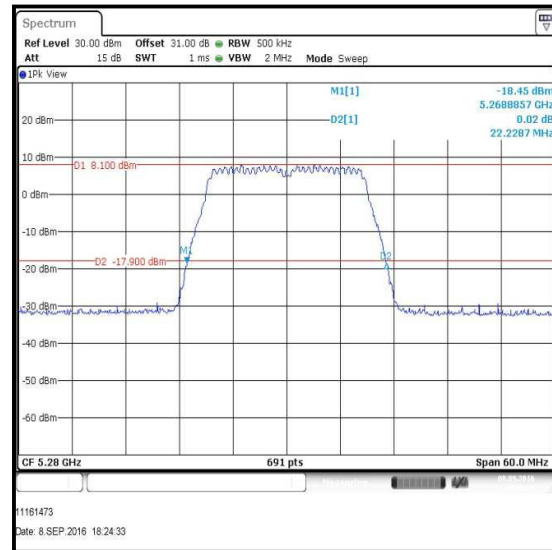
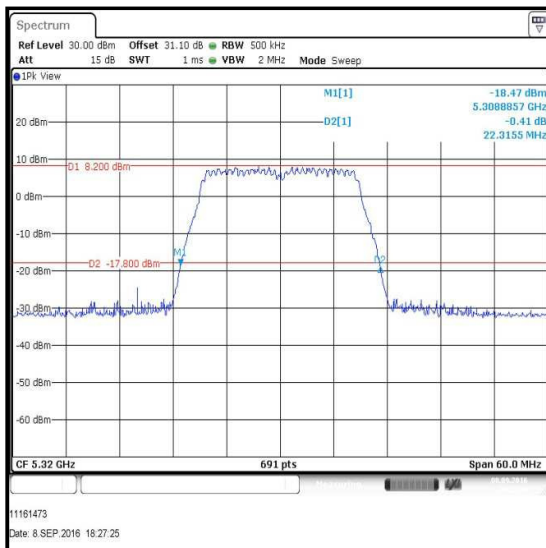
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 2Tx STBC / 5.25-5.35 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	13.0 / 0	22.576
Middle	5280	BPSK	13.0 / 0	22.489
Top	5320	BPSK	13.0 / 0	22.750

**Bottom Channel****Middle Channel****Top Channel**

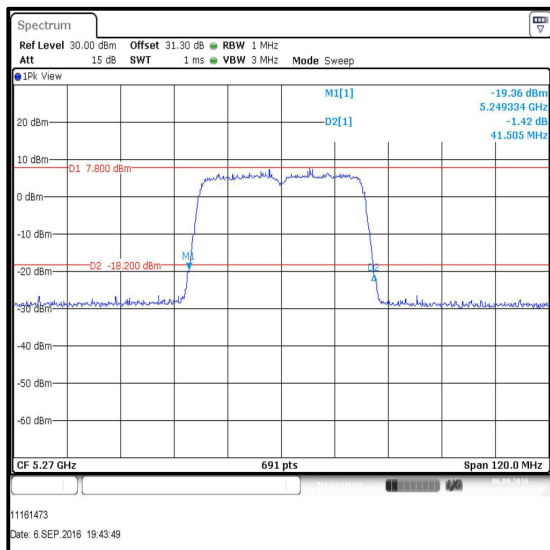
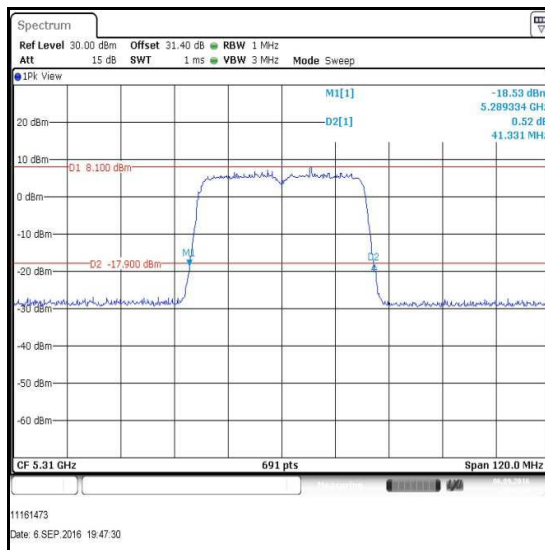
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 2Tx STBC / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	13.0 / 0	22.316
Middle	5280	BPSK	13.0 / 0	22.229
Top	5320	BPSK	13.0 / 0	22.316

**Bottom Channel****Middle Channel****Top Channel**

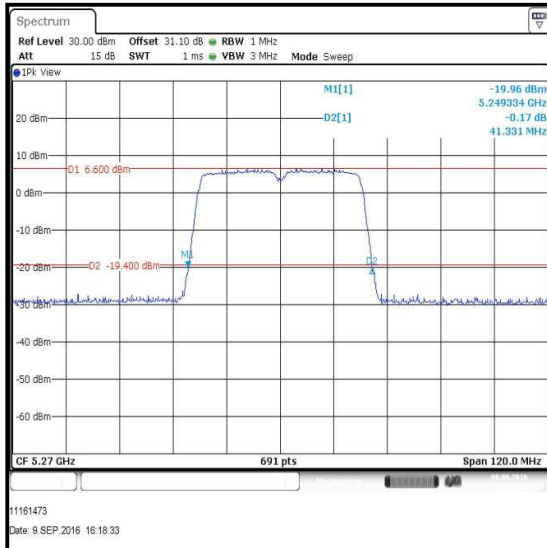
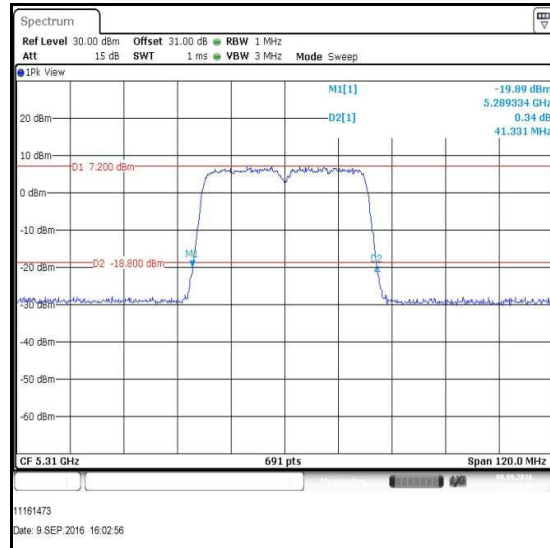
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx STBC / 5.25-5.35 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5270	BPSK	27.0 / 0	41.505
Top	5310	BPSK	27.0 / 0	41.331

**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT40 / MIMO / 2Tx STBC / 5.25-5.35 GHz band / Port 3**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5270	BPSK	27.0 / 0	41.331
Top	5310	BPSK	27.0 / 0	41.331

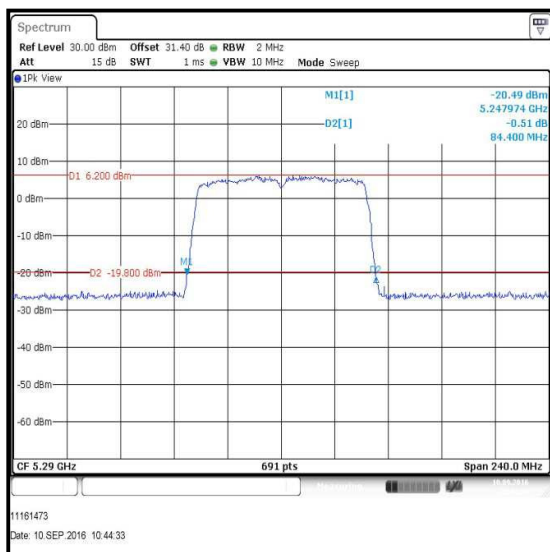
**Bottom Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / 5.25-5.35 GHz band / Port 1**

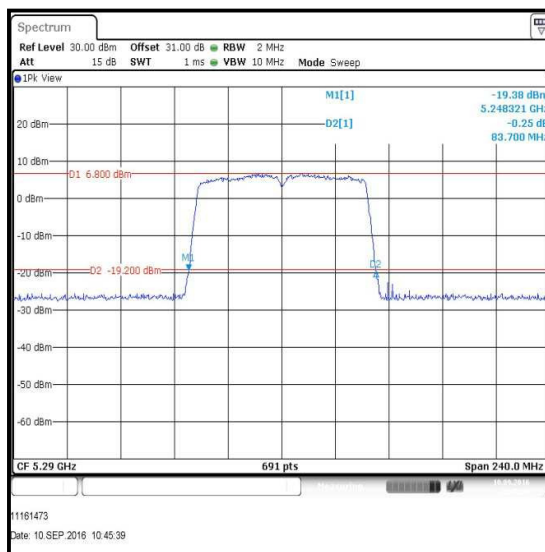
Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5290	BPSK	58.6 / 0x1	84.400

Results: 802.11ac / VHT80 / MIMO / 2Tx STBC / 5.25-5.35 GHz band / Port 3

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Single	5290	BPSK	58.6 / 0x1	83.700



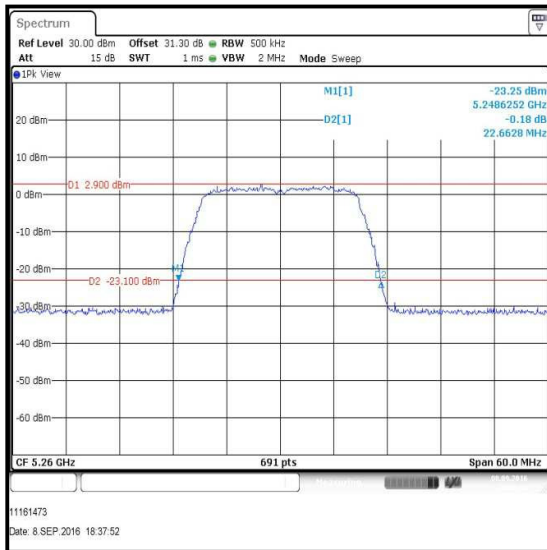
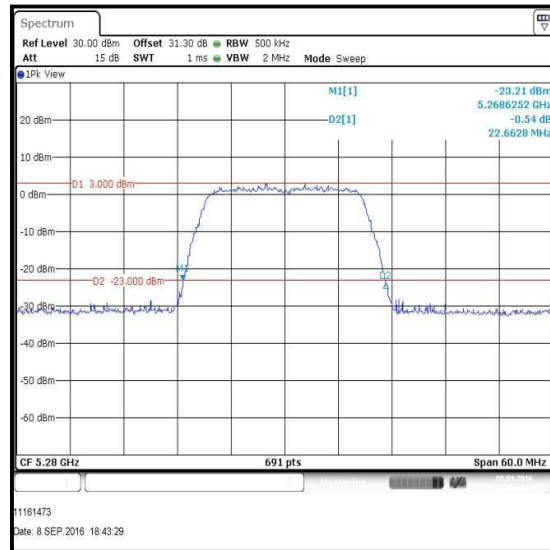
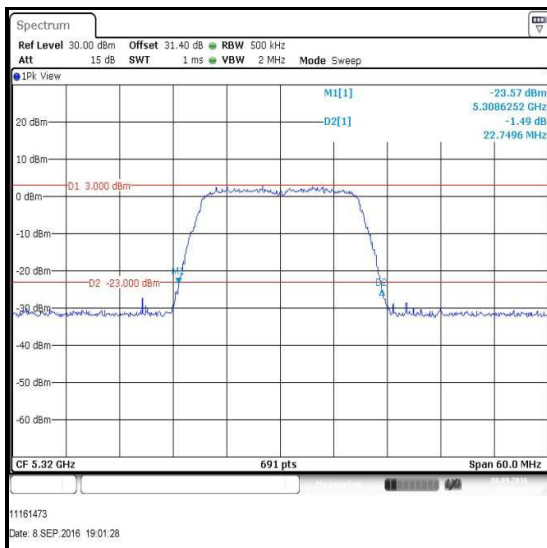
Single Channel / Port 1



Single Channel / Port 3

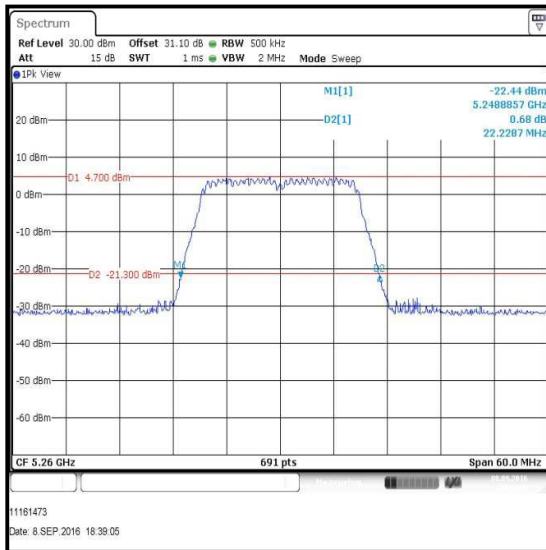
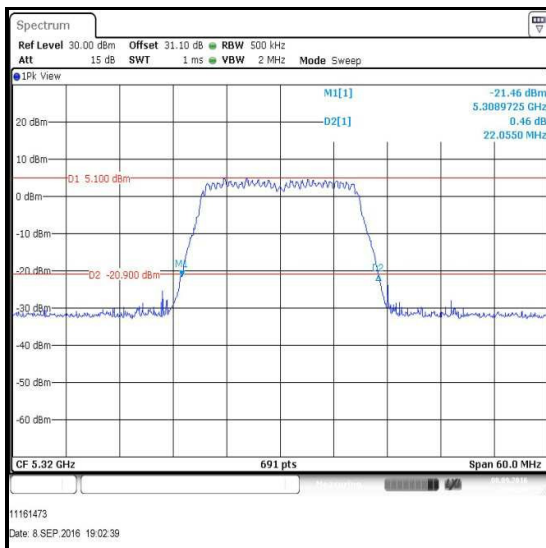
Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / 5.25-5.35 GHz band / Port 1**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	6.5 / 0	22.663
Middle	5280	BPSK	6.5 / 0	22.663
Top	5320	BPSK	6.5 / 0	22.750

**Bottom Channel****Middle Channel****Top Channel**

Transmitter 26 dB Emission Bandwidth (continued)**Results: 802.11n / HT20 / MIMO / 3Tx CDD / 5.25-5.35 GHz band / Port 2**

Channel	Frequency (MHz)	Modulation scheme	Data Rate Mbps / MCS	26 dB Emission Bandwidth (MHz)
Bottom	5260	BPSK	6.5 / 0	22.229
Middle	5280	BPSK	6.5 / 0	22.142
Top	5320	BPSK	6.5 / 0	22.055

**Bottom Channel****Middle Channel****Top Channel**