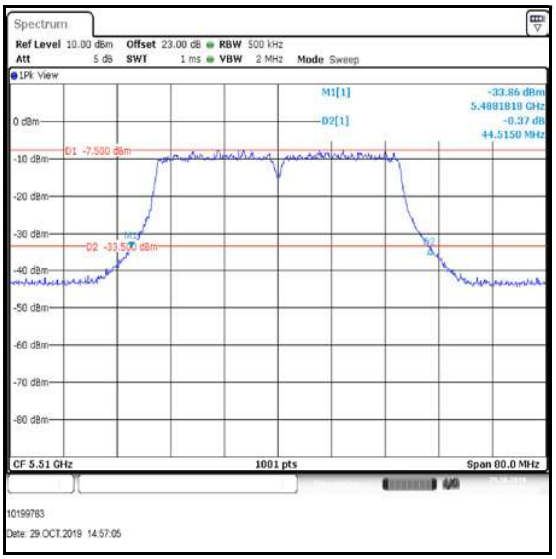
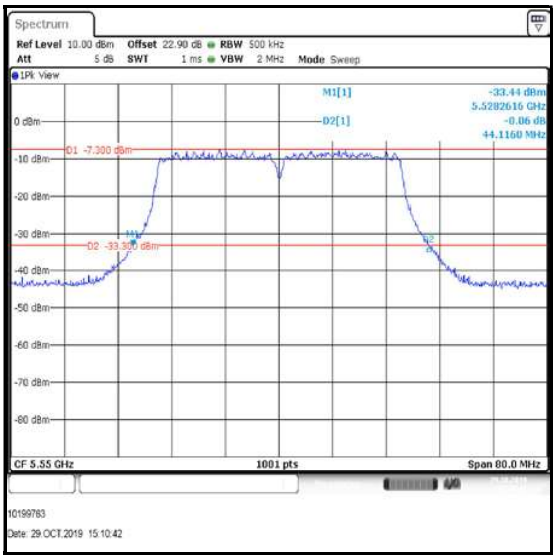
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11n / 40 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3 / Port 1

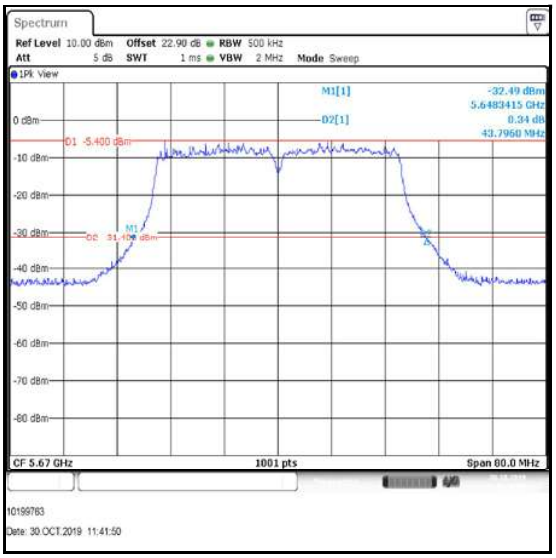
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5510	44.515
Middle	5550	44.116
Top	5670	43.796



Bottom Channel



Middle Channel

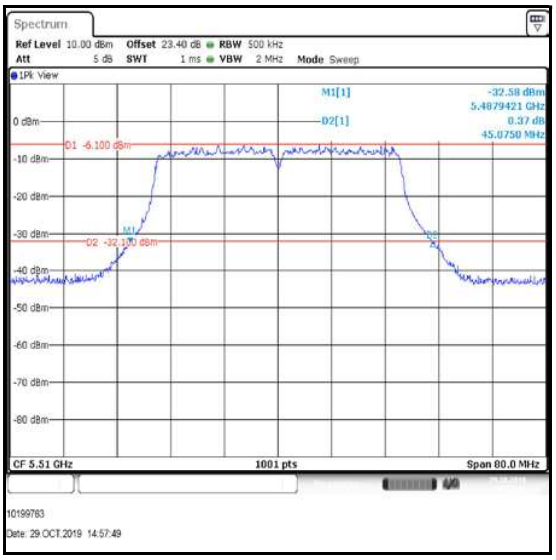


Top Channel

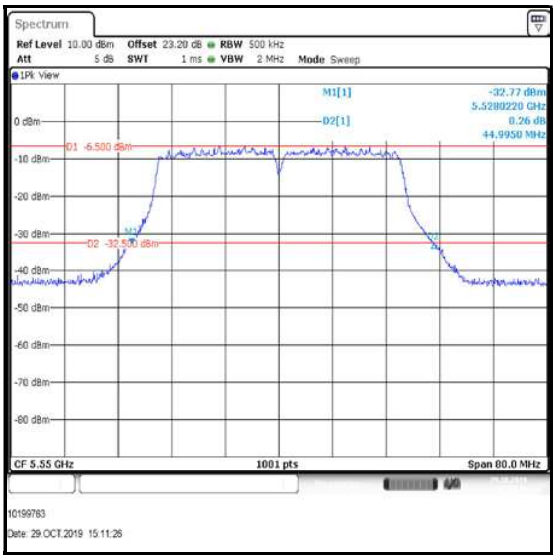
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11n / 40 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3 / Port 2

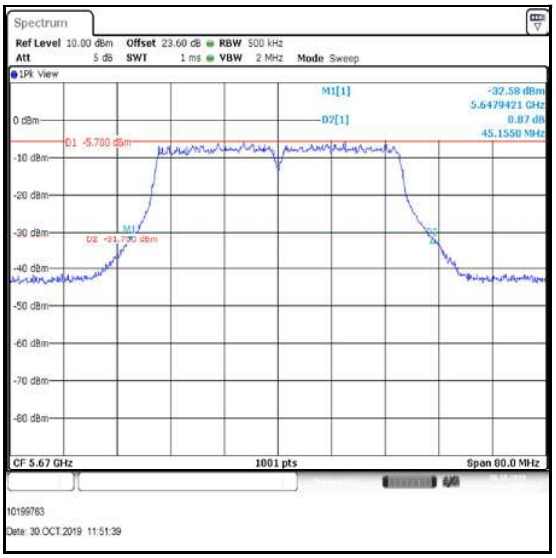
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5510	45.075
Middle	5550	44.995
Top	5670	45.155



Bottom Channel



Middle Channel

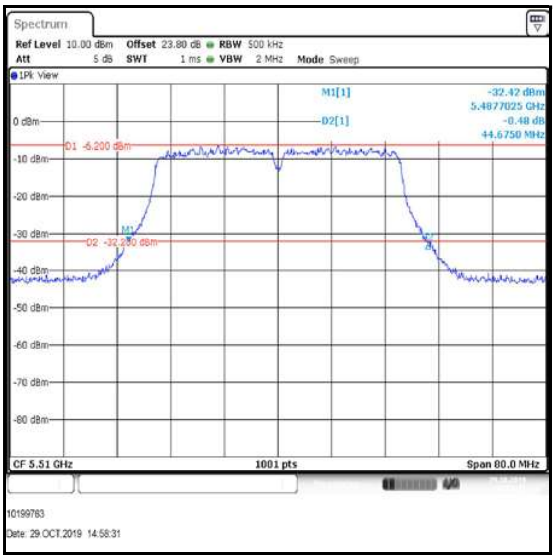


Top Channel

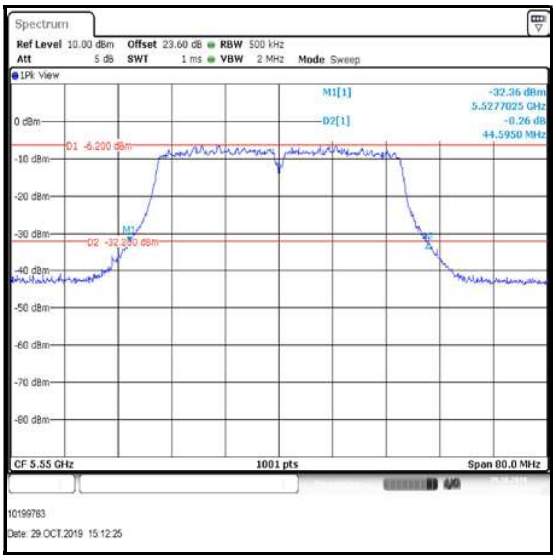
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11n / 40 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3 / Port 3

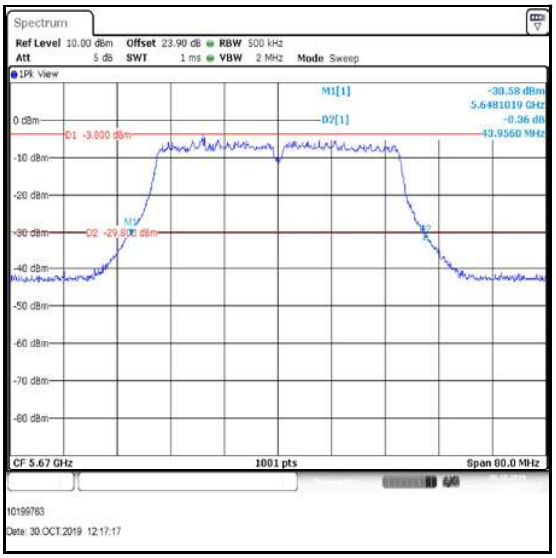
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5510	44.675
Middle	5550	44.595
Top	5670	43.956



Bottom Channel



Middle Channel

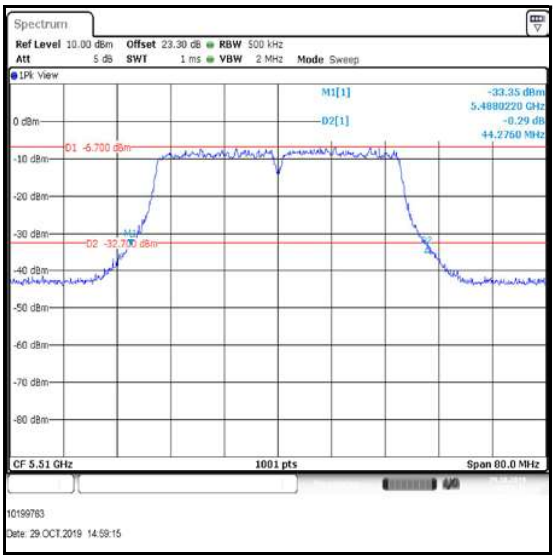


Top Channel

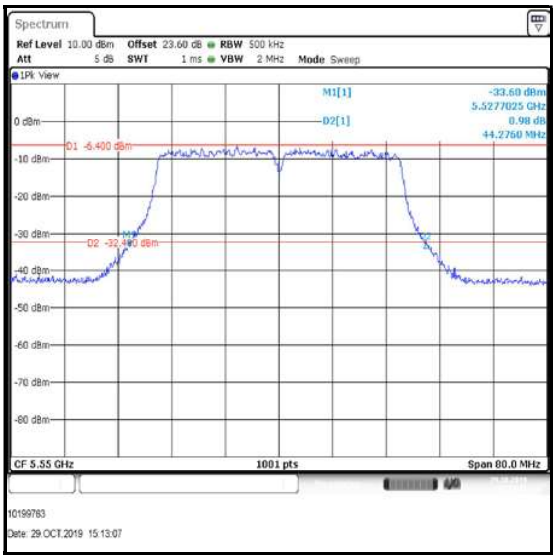
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11n / 40 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3 / Port 4

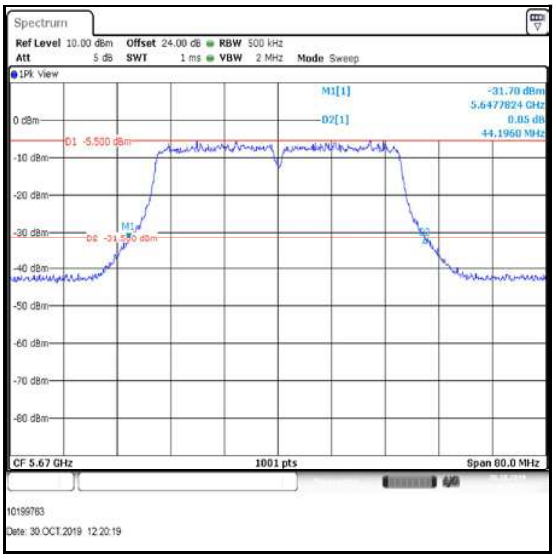
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5510	44.276
Middle	5550	44.276
Top	5670	44.196



Bottom Channel



Middle Channel

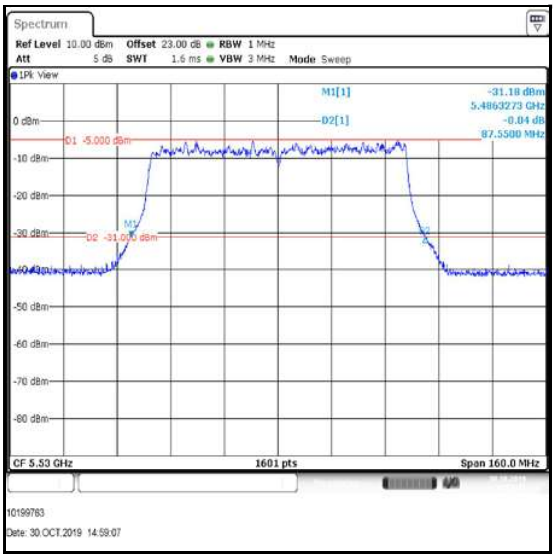


Top Channel

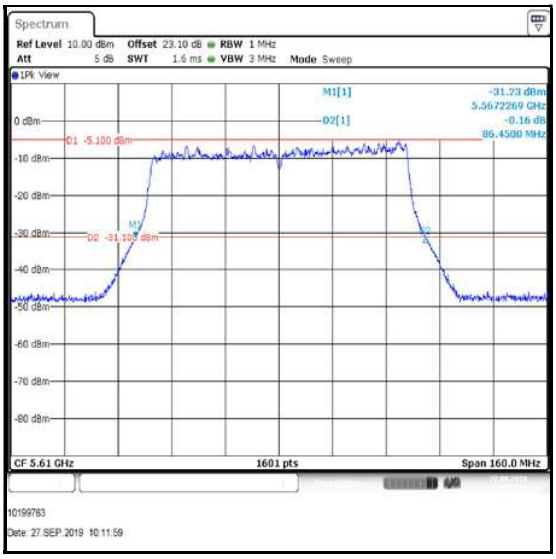
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11ac / 80 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3x1 / Port 1

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5530	87.545
Top	5610	86.446



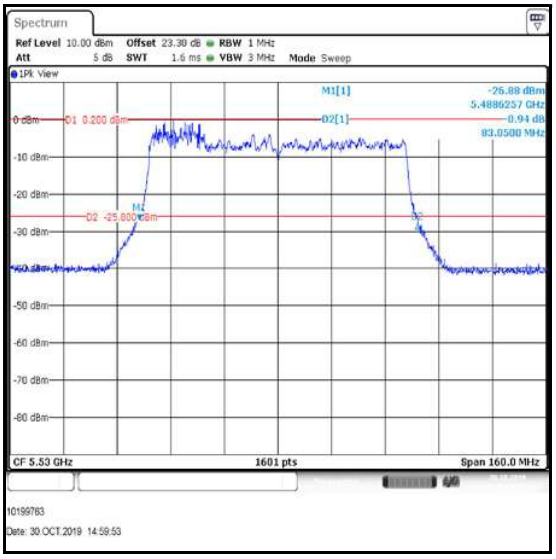
Bottom Channel



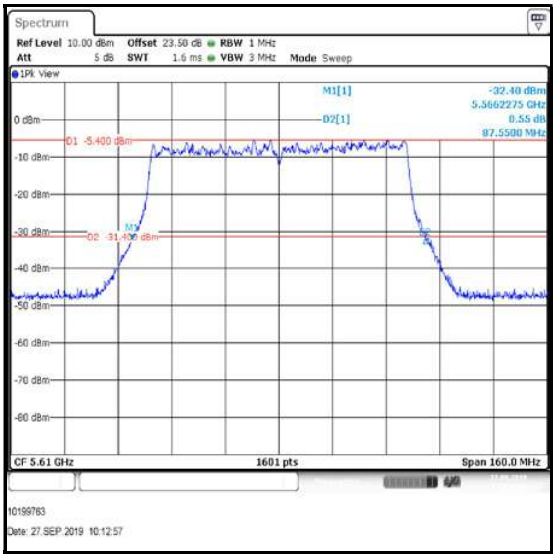
Top Channel

Results: 802.11ac / 80 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3x1 / Port 2

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5530	83.048
Top	5610	87.545



Bottom Channel

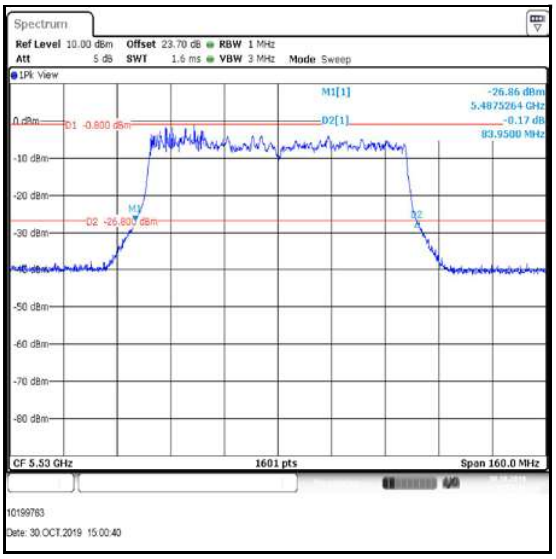


Top Channel

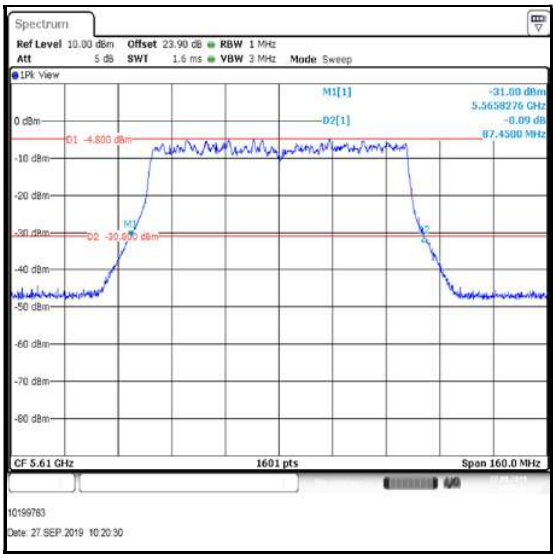
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11ac / 80 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3x1 / Port 3

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5530	83.948
Top	5610	87.446



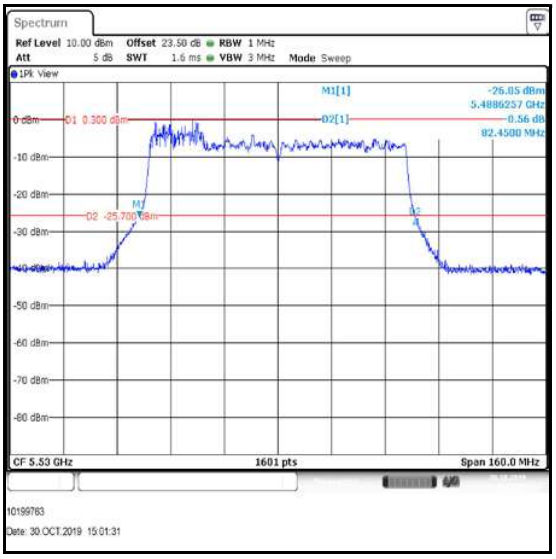
Bottom Channel



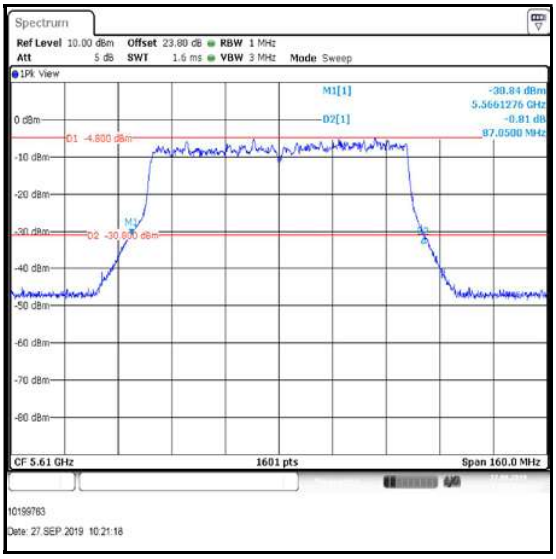
Top Channel

Results: 802.11ac / 80 MHz / MIMO / 4Tx CDD / 16-QAM / MCS3x1 / Port 4

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5530	82.449
Top	5610	87.046



Bottom Channel

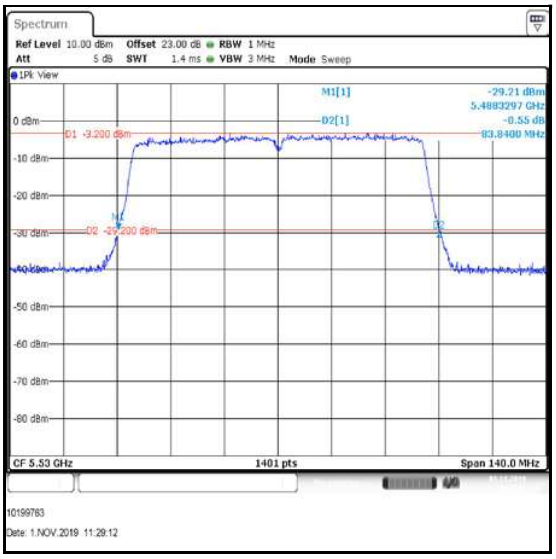


Top Channel

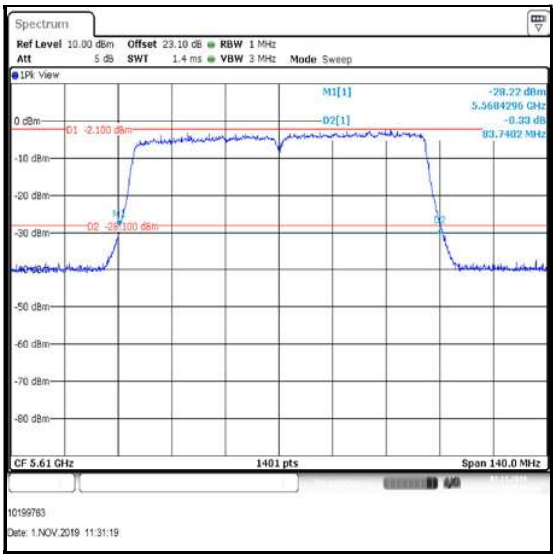
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11ac / 80 MHz / SISO / QPSK / MCS1x1 / Port 1 (reference plot)

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5530	83.840
Top	5610	83.740



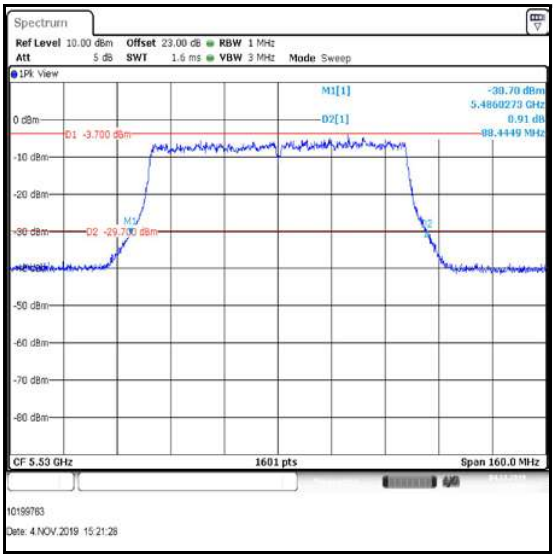
Bottom Channel



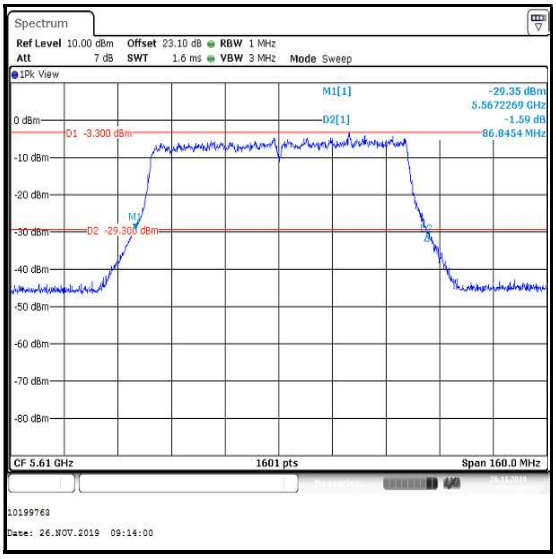
Top Channel

Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / 64-QAM / MCS5x1 / Port 1 (reference plot)

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5530	88.445
Top	5610	86.845



Bottom Channel

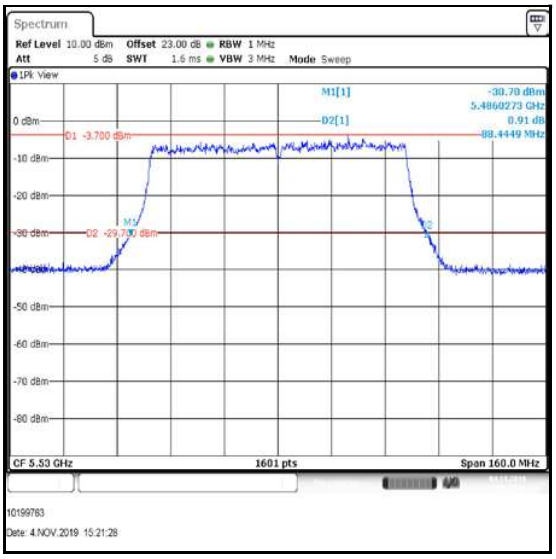


Top Channel

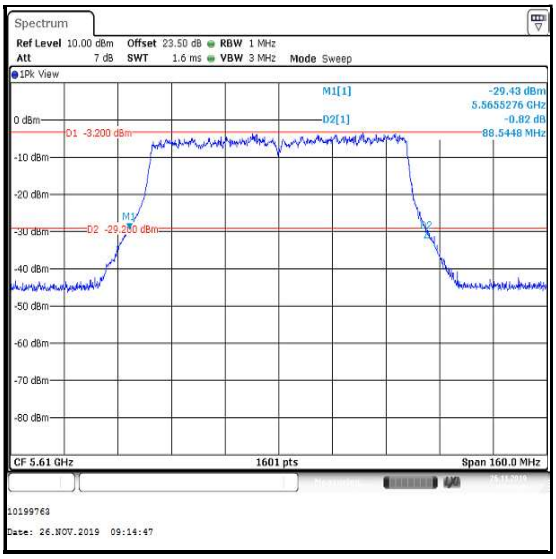
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / 64-QAM / MCS5x1 / Port 2 (reference plot)

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5530	88.544
Top	5610	88.545



Bottom Channel

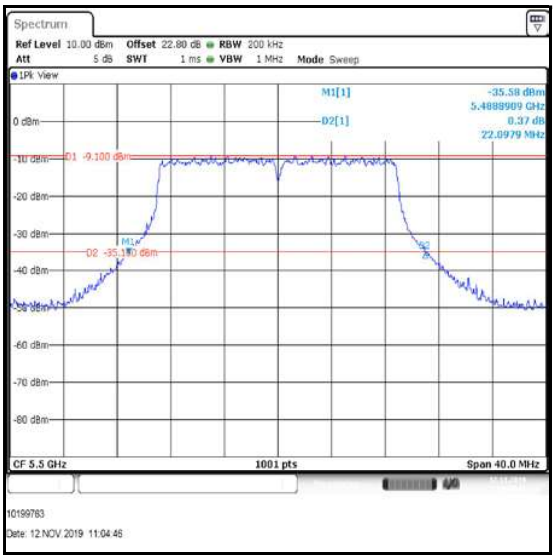


Top Channel

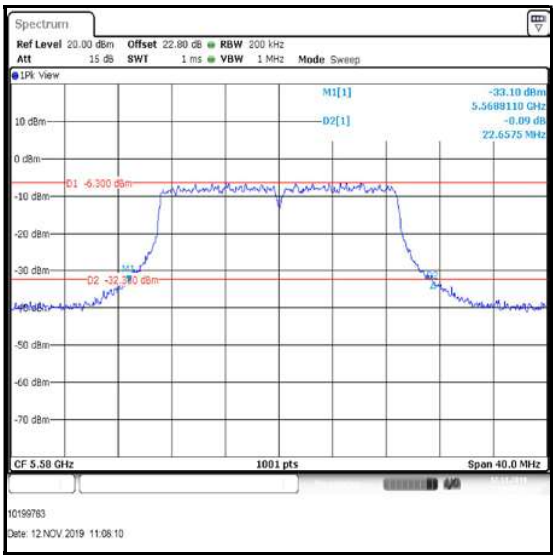
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / 16-QAM / MCS3 / Port 1 (reference plots)

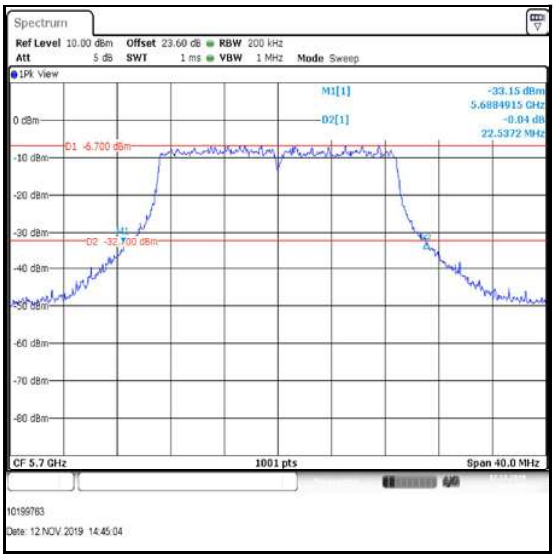
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5500	22.098
Middle	5580	22.658
Top	5700	22.537



Bottom Channel



Middle Channel

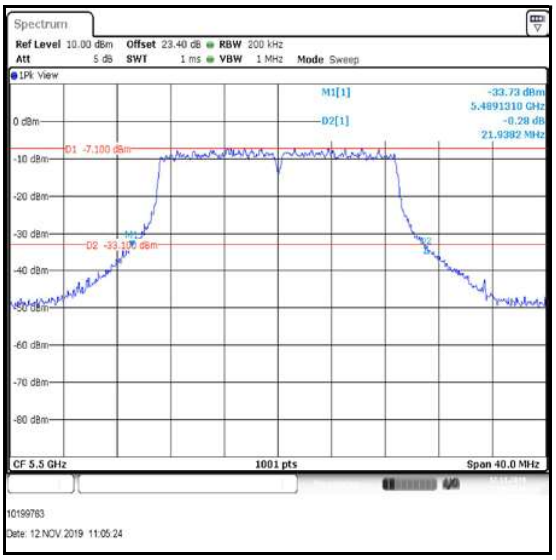


Top Channel

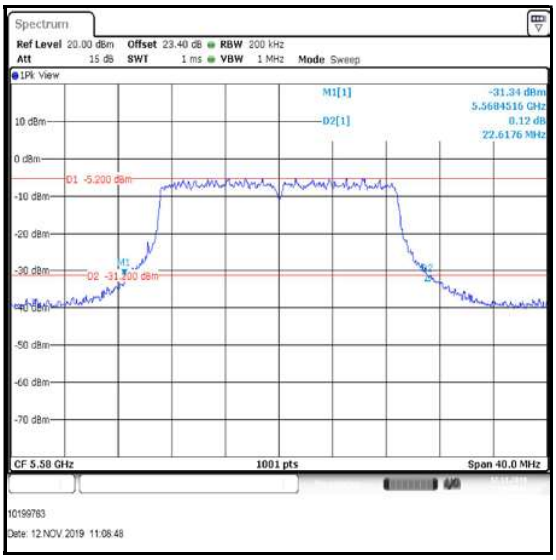
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / 16-QAM / MCS3 / Port 2 (reference plots)

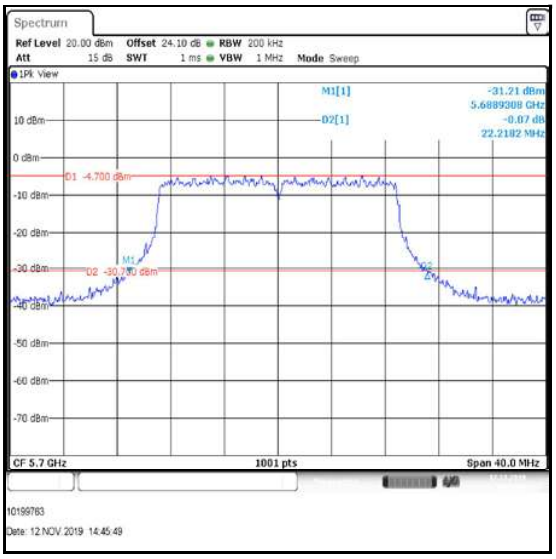
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5500	21.938
Middle	5580	22.618
Top	5700	22.218



Bottom Channel



Middle Channel

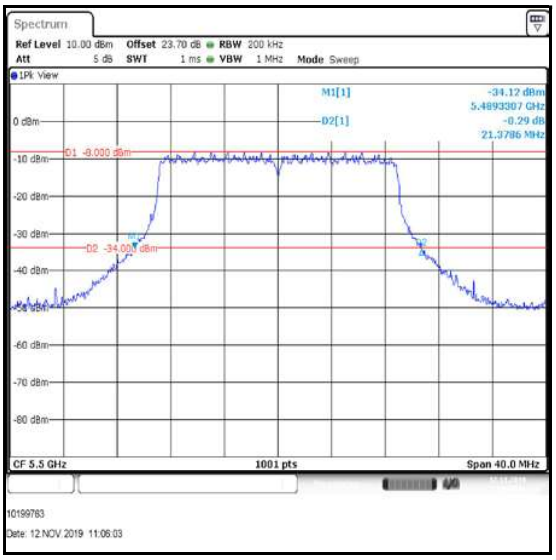


Top Channel

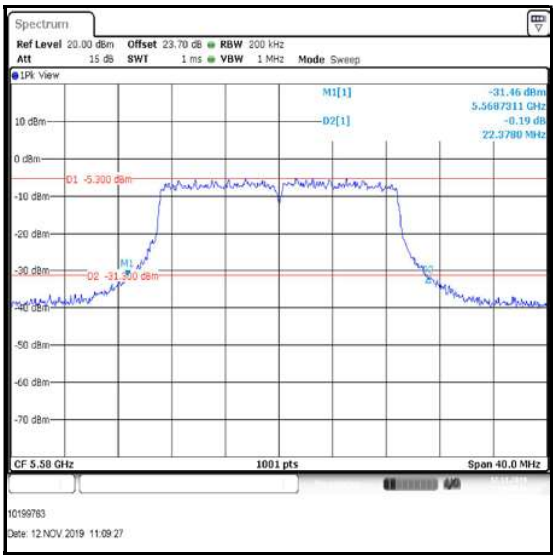
Transmitter 26 dB Emission Bandwidth (5.47-5.725 GHz band) (continued)

Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / 16-QAM / MCS3 / Port 3 (reference plots)

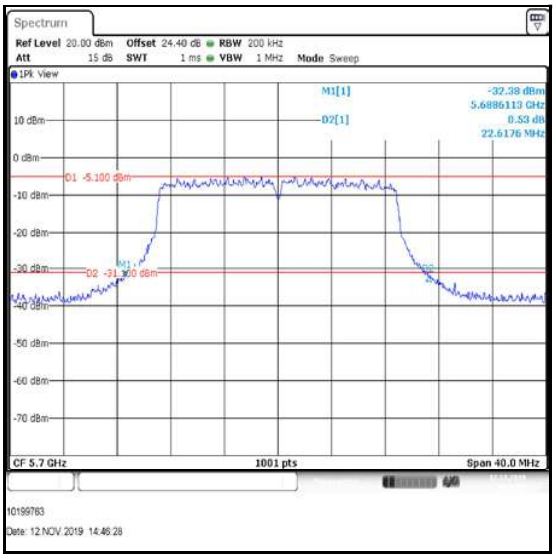
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5500	21.379
Middle	5580	22.378
Top	5700	22.618



Bottom Channel



Middle Channel



Top Channel

4.3. Transmitter Maximum Conducted Output Power

4.3.1. 5.25-5.35 GHz band

Test Summary:

Test Engineer:	Max Passell	**Test Dates:**	12 September 2019 to 14 November 2019
Test Sample Serial Number:	2405067		

FCC Reference:	Part 15.407(a)(2)
Test Method Used:	KDB 789033 D02 Section II.E.2.d)

Environmental Conditions:

Temperatures (°C):	21 to 24
Relative Humidity (%):	35 to 44

Note(s):

1. All configurations supported by the EUT were investigated on one channel. The data rates that produced the highest output power and therefore deemed worst case were:
    - 802.11a SISO – 64-QAM / 48 Mbps / Port 1
    - 802.11n HT20 SISO – 64-QAM / MCS6 / Port 1
    - 802.11n HT40 SISO – 16-QAM / MCS4 / Port 1
    - 802.11ac VHT80 SISO – QPSK / MCS1x1 / Port 1
    - 802.11a MIMO – 64-QAM / 54 Mbps / 2Tx CDD / Ports 1 & 2
    - 802.11n HT20 MIMO – BPSK / MCS0 / 2Tx CDD / Ports 1 & 2
    - 802.11n HT40 MIMO – 64-QAM / MCS7 / 2Tx CDD / Ports 1 & 2
    - 802.11ac VHT80 MIMO – 64-QAM / MCS5x1 / 2Tx CDD / Ports 1 & 2
    - 802.11a MIMO – BPSK / 9 Mbps / 3Tx CDD / Ports 1, 2 & 3
    - 802.11n HT20 MIMO – 16-QAM / MCS3 / 3Tx CDD / Ports 1, 2 & 3
    - 802.11n HT40 MIMO – 64-QAM / MCS5 / 3Tx CDD / Ports 1, 2 & 3
    - 802.11ac VHT80 MIMO – QPSK / MCS1x1 / 3Tx CDD / Ports 1, 2 & 3
    - 802.11a MIMO – QPSK / 12 Mbps / 4Tx CDD / Ports 1, 2, 3 & 4
    - 802.11n HT20 MIMO – QPSK / MCS1 / 4Tx CDD / Ports 1, 2, 3 & 4
    - 802.11n HT40 MIMO – 16-QAM / MCS3 / 4Tx CDD / Ports 1, 2, 3 & 4
    - 802.11ac VHT80 MIMO – 16-QAM / MCS3x1 / 4Tx CDD / Ports 1, 2, 3 & 4
2. Measurements were performed in accordance with FCC KDB 789033 II.E.2.d) Method SA-2. The signal analyser's integration function was used to integrate across the 26 dB emission bandwidth. The resolution bandwidth was set to 1 MHz and video bandwidth 3 MHz. An RMS detector was used and sweep time was set to auto and 200 traces performed. The span was set to encompass the entire 26 dB emission bandwidth. The channel power results are recorded in the tables below.
3. The calculated duty cycle in Section 4.1 was added to the measured power in order to compute the average power during the actual transmission time.
4. For MIMO modes, conducted power was measured on all ports and then combined using the measure-and-sum method stated in FCC KDB 662911 D01 Section E)1).

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Note(s) continued:

5. The signal analyser was connected to the RF port on the EUT using an RF switch, suitable attenuation and RF cable. An RF level offset was entered on the signal analyser to compensate for the loss of the attenuator and RF cable.
6. For details on antenna gains refer to Section 3.4 of this test report.
7. In accordance with FCC KDB 662911 F)2)f)(i), the array gain for 802.11 devices with $N_{ANT} \leq 4$ is 0 dB. No array gain has been to the measurements in this section.
8. The FCC Part 15.407(a)(2) limit is the lesser of 250 mW (24.0 dBm) or 11 dBm + 10 $\log_{10}$ B, where B is the previously measured 26 dB emission bandwidth in MHz. The limit for each channel was calculated as below:

802.11a / 20 MHz / MIMO / 3Tx CDD / 9 Mbps Bottom channel = *11 dBm + 10 log_{10} 19.620 = 23.9 dBm*
802.11a / 20 MHz / MIMO / 3Tx CDD / 9 Mbps Middle channel = *11 dBm + 10 log_{10} 19.660 = 23.9 dBm*
802.11a / 20 MHz / MIMO / 3Tx CDD / 9 Mbps Top channel = *11 dBm + 10 log_{10} 19.821 = 24.0 dBm*
802.11a / 20 MHz / MIMO / 4Tx CDD / 12 Mbps Bottom channel = *11 dBm + 10 log_{10} 19.580 = 23.9 dBm*
802.11a / 20 MHz / MIMO / 4Tx CDD / 12 Mbps Middle channel = *11 dBm + 10 log_{10} 19.620 = 23.9 dBm*
802.11a / 20 MHz / MIMO / 4Tx CDD / 12 Mbps Top channel = *11 dBm + 10 log_{10} 19.540 = 23.9 dBm*

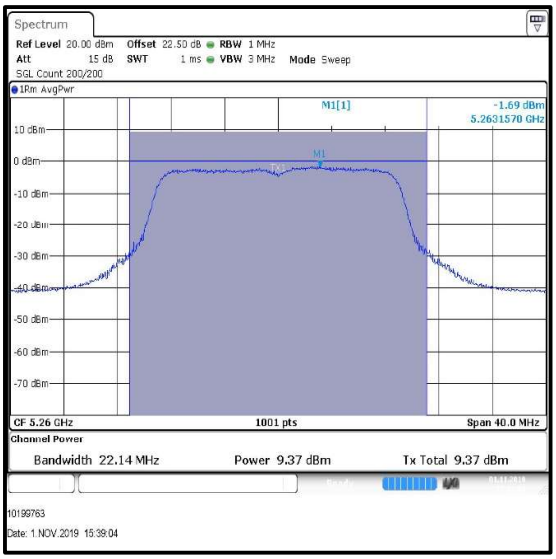
For all other modes, the lesser of the two limits is the fixed limit of 250 mW (24.0 dBm).

9. The EUT has an antenna gain of 14.2 dBi. In accordance with Part 15.407(a)(2), the limit shall be reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the calculated limits have been reduced by 8.2 dB.
10. Reference plots are included at the end of this section for modes that produced the widest bandwidth.

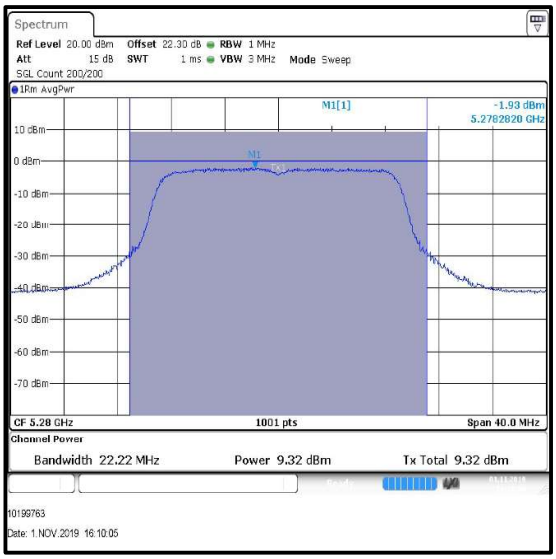
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11a / 20 MHz / SISO / 64-QAM / 48 Mbps / Port 1

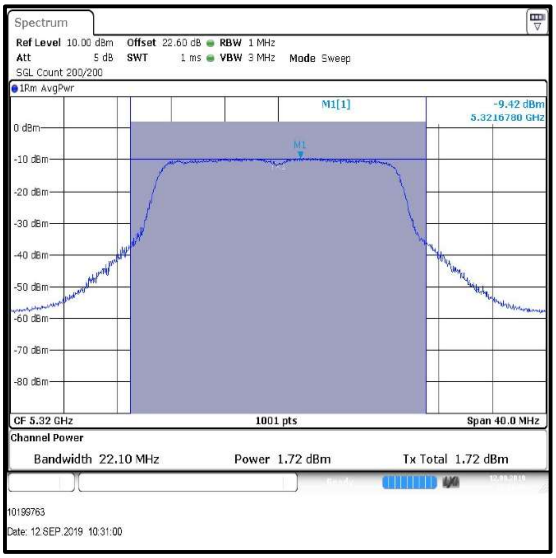
Channel	Frequency (MHz)	Conducted Power (dBm)	Duty cycle correction factor (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	9.4	1.6	11.0	15.8	4.8	Complied
Middle	5280	9.3	1.3	10.6	15.8	5.2	Complied
Top	5320	1.7	1.5	3.2	15.8	12.6	Complied



Bottom Channel



Middle Channel

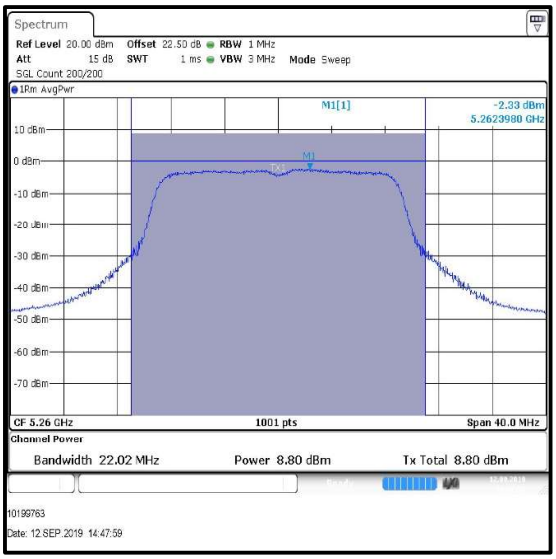


Top Channel

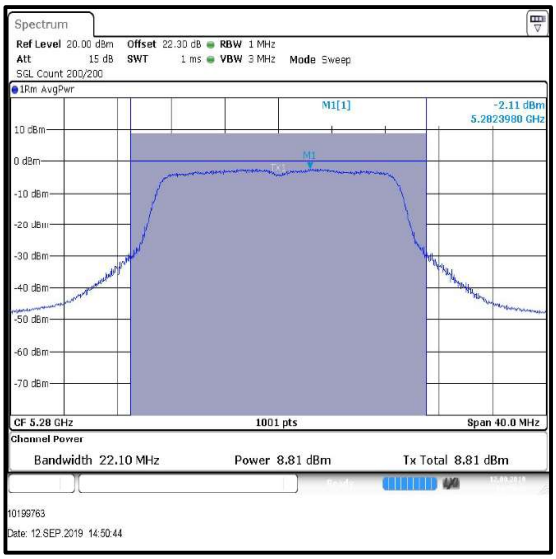
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11n / 20 MHz / SISO / 64-QAM / MCS6 / Port 1

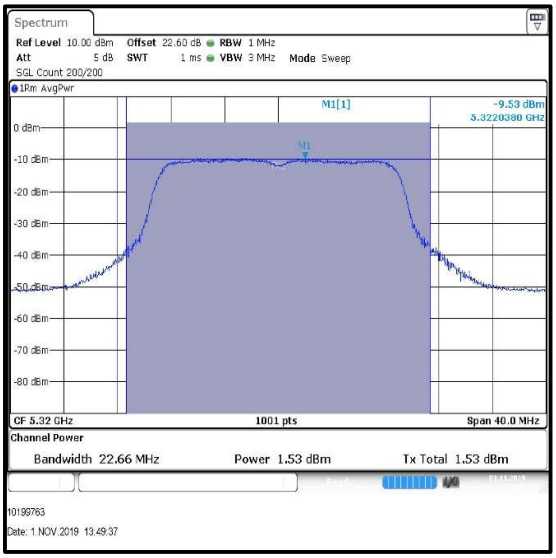
Channel	Frequency (MHz)	Conducted Power (dBm)	Duty cycle correction factor (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	8.8	1.7	10.5	15.8	5.3	Complied
Middle	5280	8.8	1.4	10.2	15.8	5.6	Complied
Top	5320	1.5	1.8	3.3	15.8	12.5	Complied



Bottom Channel



Middle Channel

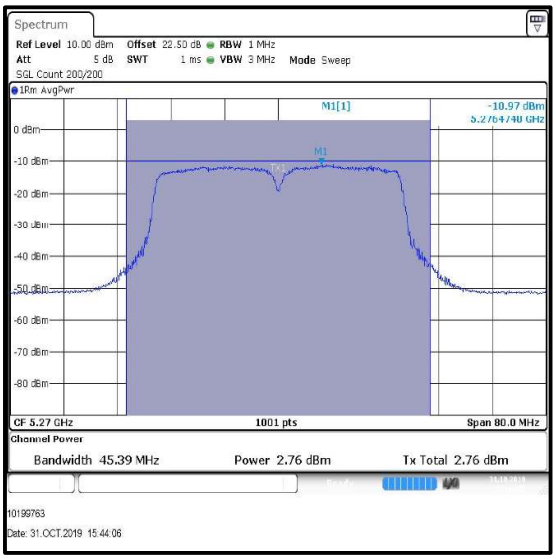


Top Channel

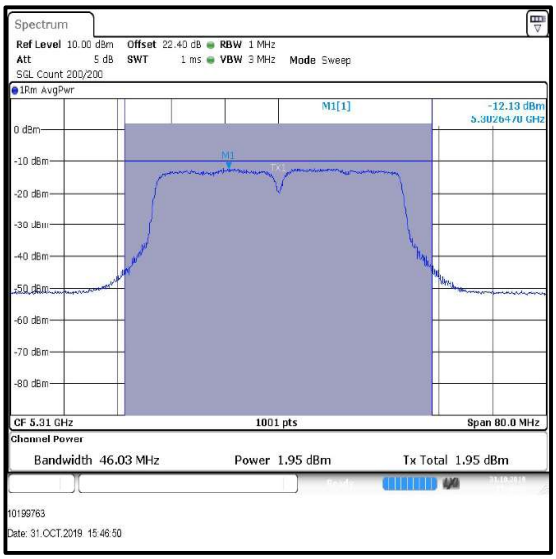
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11n / 40 MHz / SISO / 16-QAM / MCS4 / Port 1

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty cycle correction factor (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	2.8	2.2	5.0	15.8	10.8	Complied
Top	5310	2.0	2.2	4.2	15.8	11.6	Complied



Bottom Channel

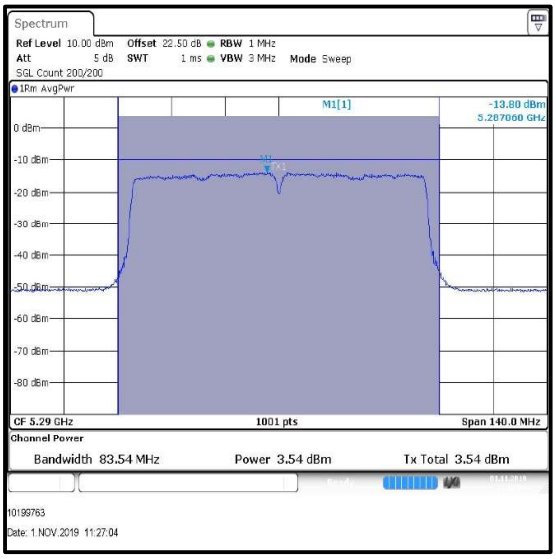


Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11ac / 80 MHz / SISO / QPSK / MCS1x1 / Port 1

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty cycle correction factor (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	3.5	1.5	5.0	15.8	10.8	Complied



Single Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

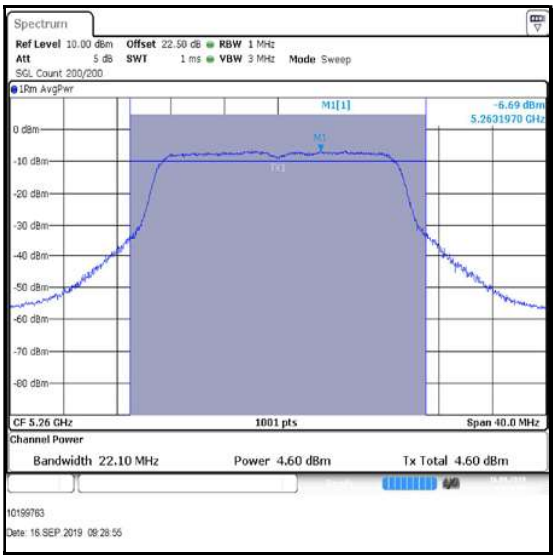
Results: 802.11a / 20 MHz / MIMO / 2Tx CDD / 64-QAM / 54 Mbps

Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	4.6	1.4	6.0	6.3	1.4	7.7
Middle	5280	4.5	1.8	6.3	6.2	1.8	8.0
Top	5320	-1.5	1.4	-0.1	0.4	1.4	1.8

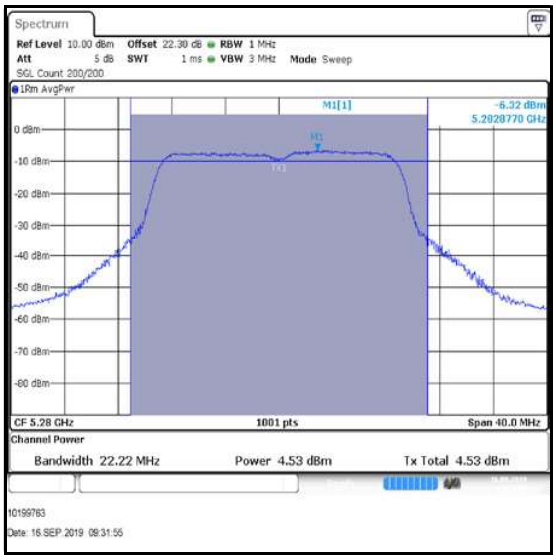
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	6.0	7.7	9.9	15.8	5.9	Complied
Middle	5280	6.3	8.0	10.2	15.8	5.6	Complied
Top	5320	-0.1	1.8	4.0	15.8	11.8	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

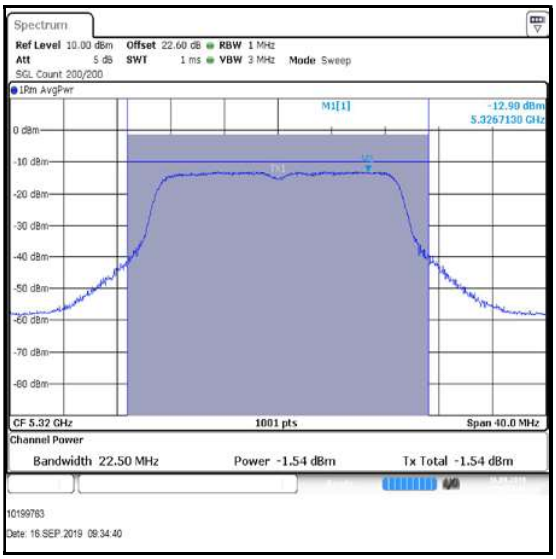
Results: 802.11a / 20 MHz / MIMO / 2Tx CDD / 64-QAM / 54 Mbps / Port 1



Bottom Channel



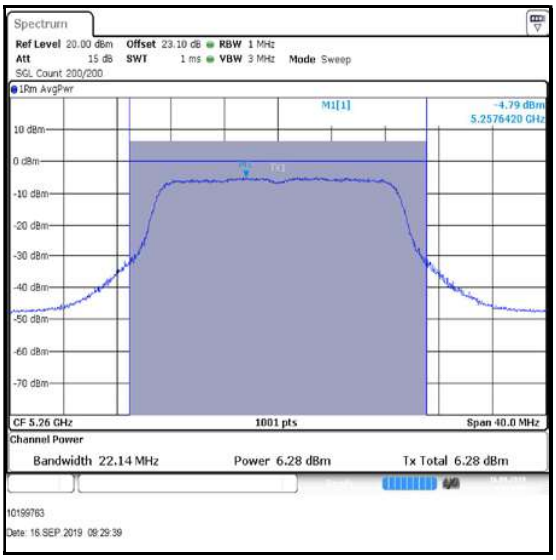
Middle Channel



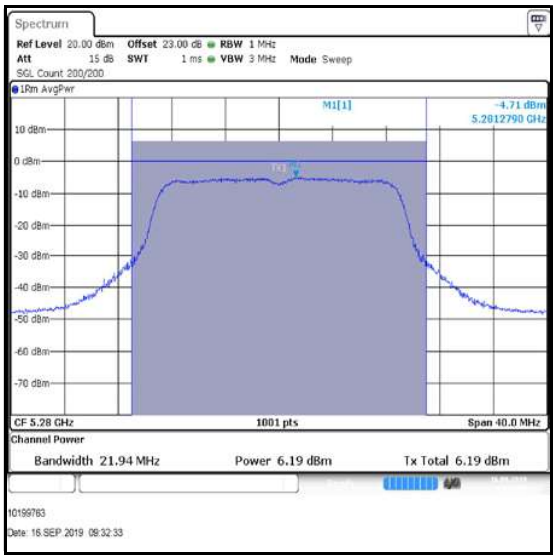
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

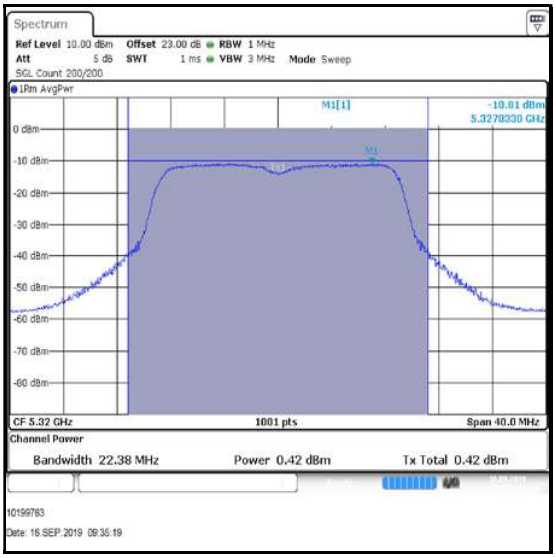
Results: 802.11a / 20 MHz / MIMO / 2Tx CDD / 64-QAM / 54 Mbps / Port 2



Bottom Channel



Middle Channel



Top channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

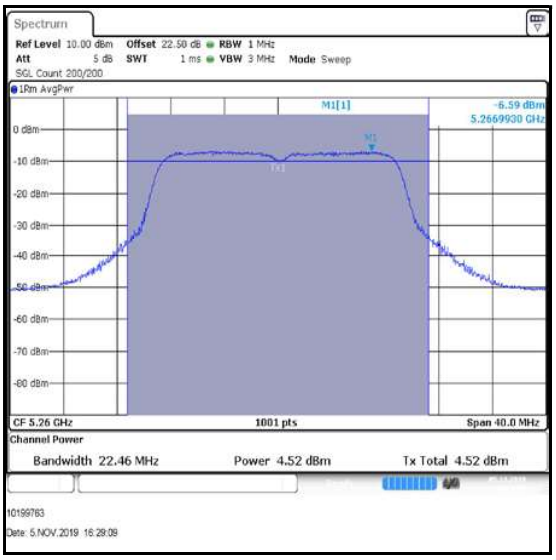
Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / 16-QAM / MCS0

Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	4.5	1.5	6.0	5.9	1.5	7.4
Middle	5280	5.2	1.6	6.8	6.6	1.6	8.2
Top	5320	-0.7	1.8	1.1	0.8	1.8	2.6

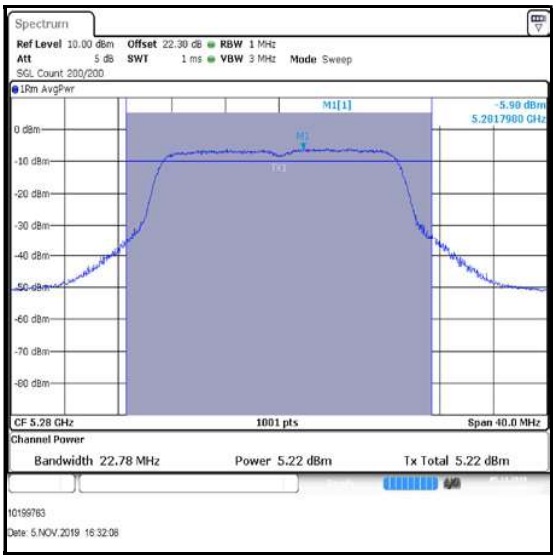
Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	6.0	7.4	9.8	15.8	6.0	Complied
Middle	5280	6.8	8.2	10.6	15.8	5.2	Complied
Top	5320	1.1	2.6	4.9	15.8	10.9	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

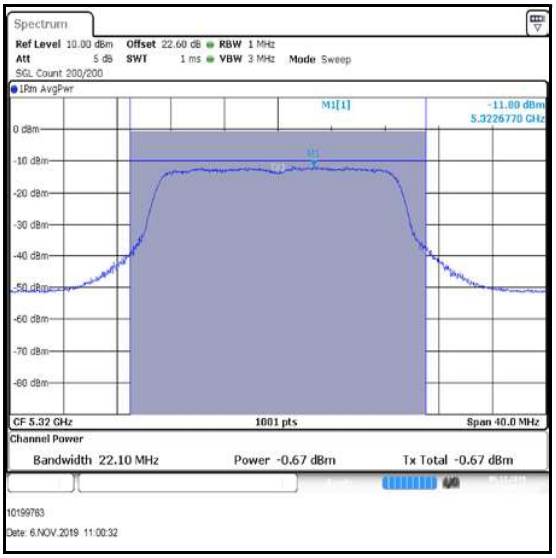
Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / 16-QAM / MCS0 / Port 1



Bottom Channel



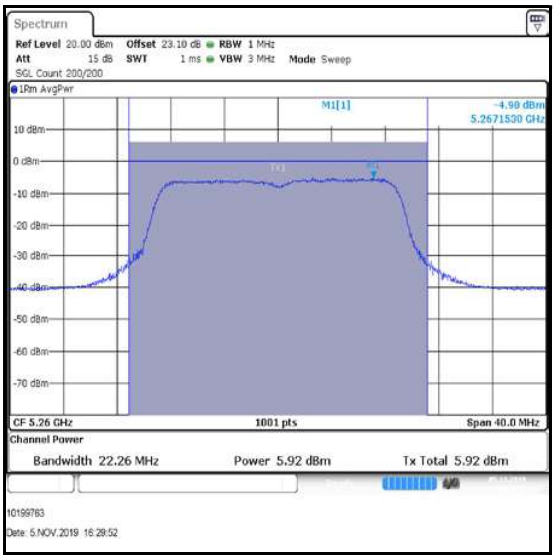
Middle Channel



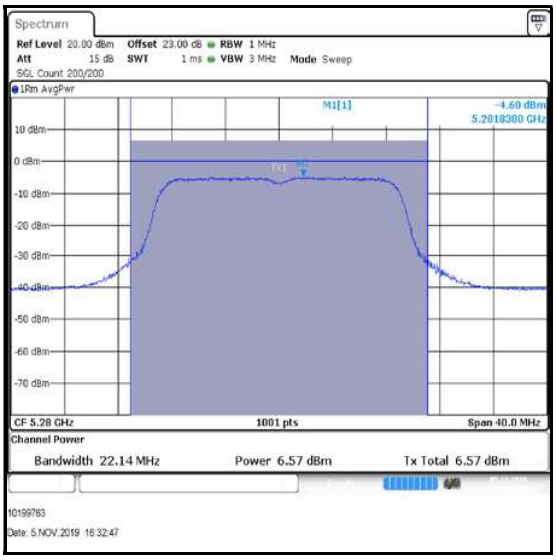
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

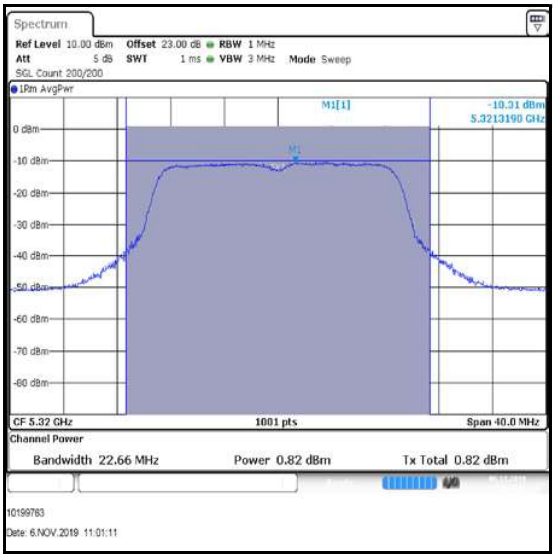
Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / 16-QAM / MCS0 / Port 2



Bottom Channel



Middle Channel



Top Channel

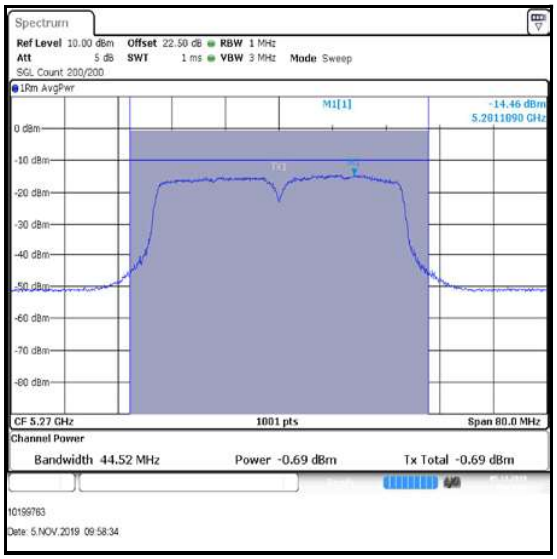
Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / 64-QAM / MCS7

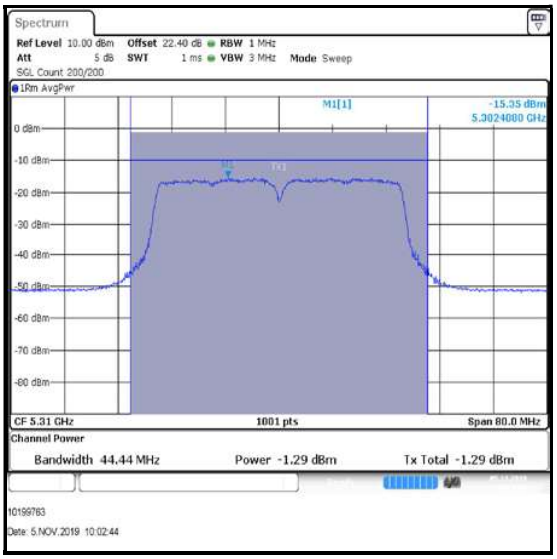
Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5270	-0.7	3.3	2.6	0.8	3.3	4.1
Top	5310	-1.3	2.1	0.8	0.6	2.1	2.7

Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	2.6	4.1	6.4	15.8	9.4	Complied
Top	5310	0.8	2.7	4.9	15.8	10.9	Complied

Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / 64-QAM / MCS7 / Port 1



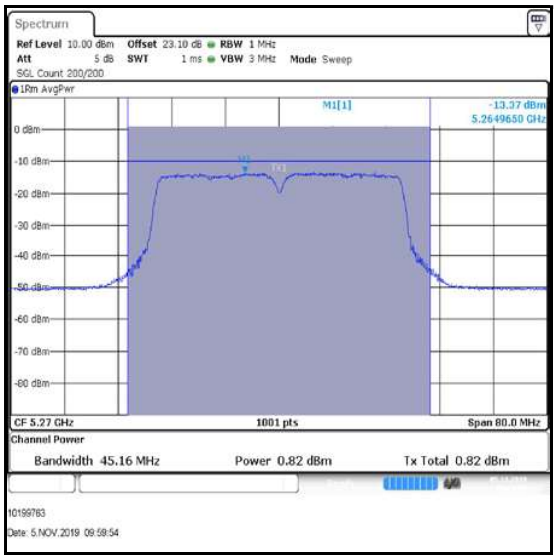
Bottom Channel



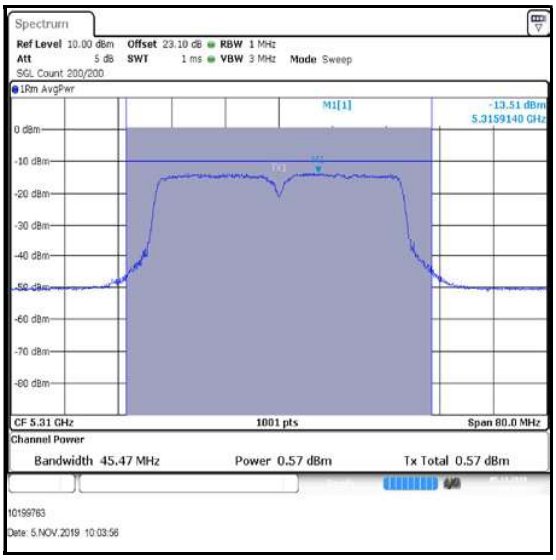
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / 64-QAM / MCS7 / Port 2



Bottom Channel



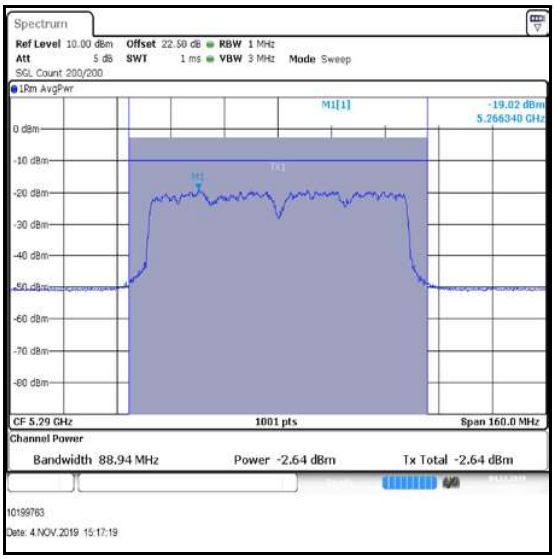
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

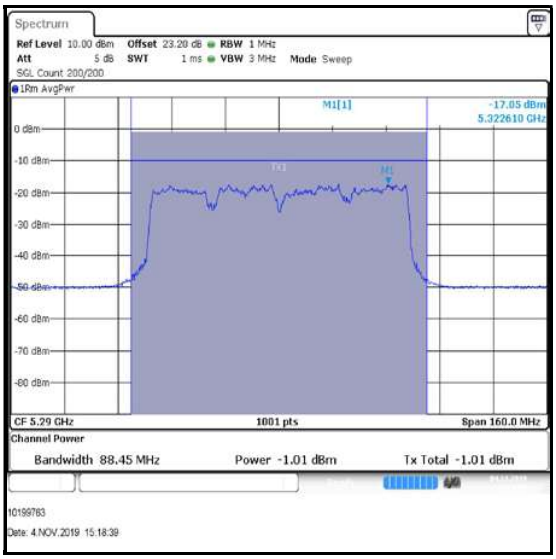
Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / 64QAM / MCS5x1

Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Single	5290	-2.6	3.6	1.0	-1.0	3.6	2.6

Channel	Frequency (MHz)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	1.0	2.6	4.9	15.8	10.9	Complied



Single Channel / Port 1



Single Channel / Port 2

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11a / 20 MHz / MIMO / 3Tx CDD / BPSK / 9 Mbps

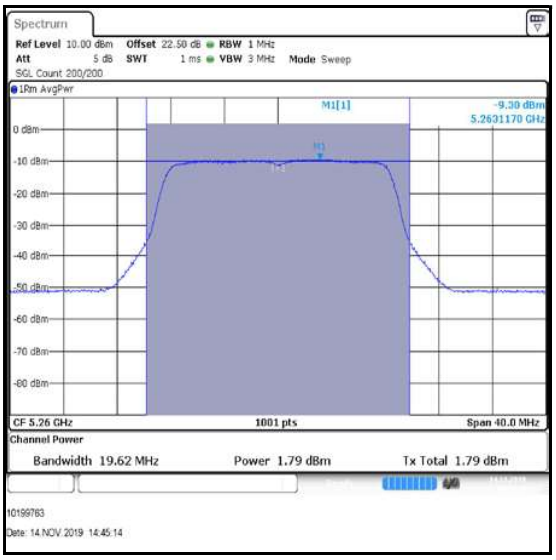
Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	1.8	0.6	2.4	3.5	0.6	4.1
Middle	5280	0.8	0.3	1.1	2.6	0.3	2.9
Top	5320	0.2	0.7	0.9	1.7	0.7	2.4

Channel	Frequency (MHz)	Port 3			Port 1, Port 2 & Port 3		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)
Bottom	5260	2.9	0.6	3.5	2.4	4.1	3.5
Middle	5280	2.1	0.3	2.4	1.1	2.9	2.4
Top	5320	1.3	0.7	2.0	0.9	2.4	2.0

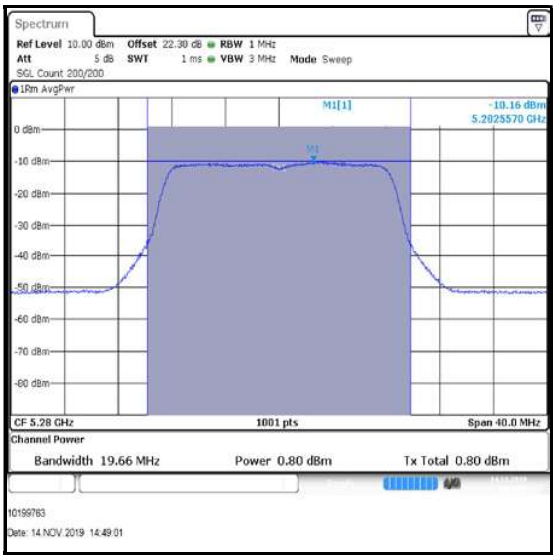
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	8.2	15.7	7.5	Complied
Middle	5280	7.0	15.7	8.7	Complied
Top	5320	6.6	15.8	9.2	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

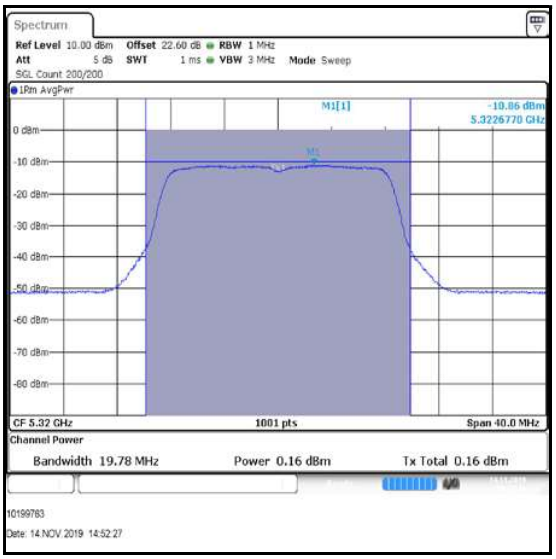
Results: 802.11a / 20 MHz / MIMO / 3Tx CDD / BPSK / 9 Mbps / Port 1



Bottom Channel



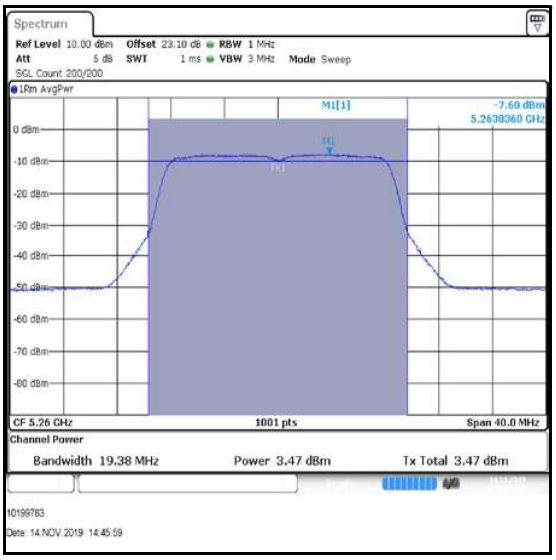
Middle Channel



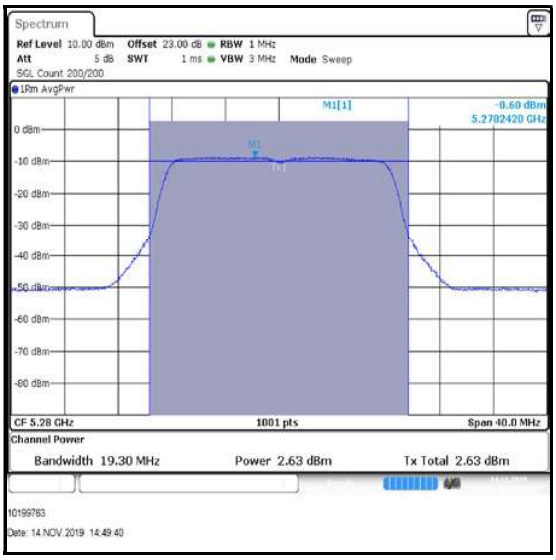
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

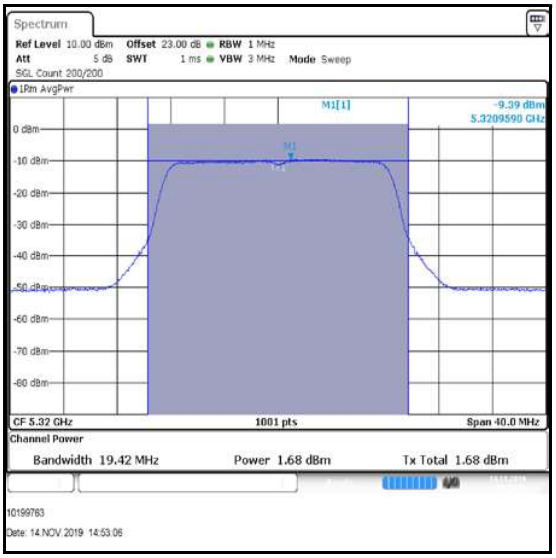
Results: 802.11a / 20 MHz / MIMO / 3Tx CDD / BPSK / 9 Mbps / Port 2



Bottom Channel



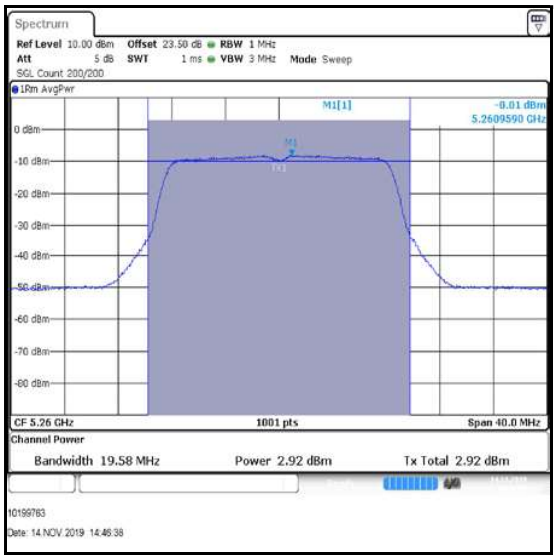
Middle Channel



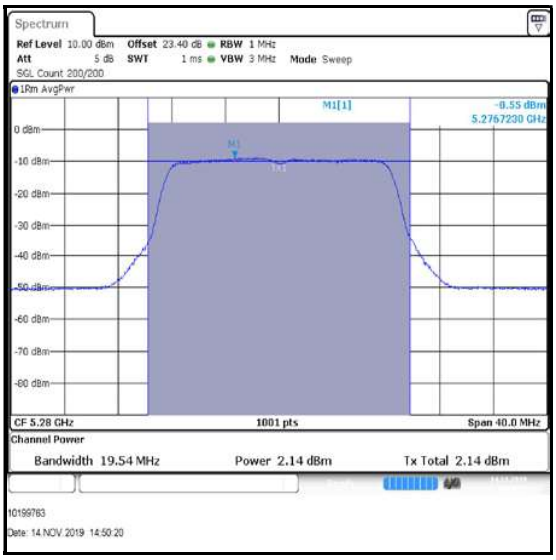
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

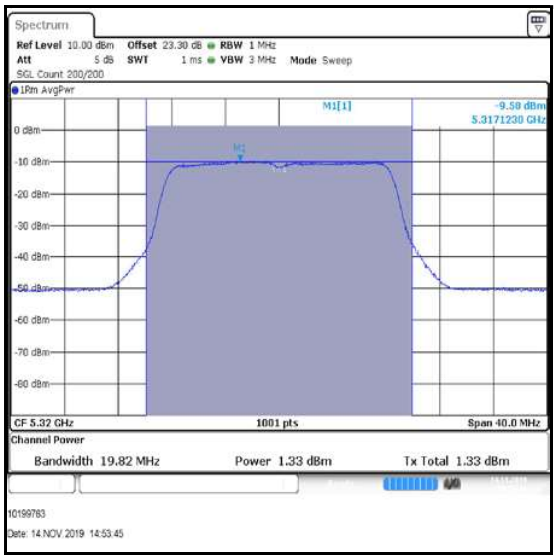
Results: 802.11a / 20 MHz / MIMO / 3Tx CDD / BPSK / 9 Mbps / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / 16-QAM / MCS3

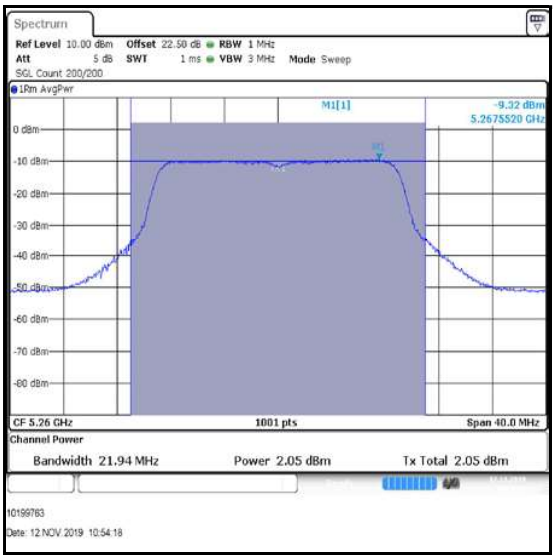
Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	2.0	1.1	3.1	3.6	1.1	4.7
Middle	5280	1.8	1.3	3.1	3.4	1.3	4.7
Top	5320	-0.8	1.3	0.5	0.8	1.3	2.1

Channel	Frequency (MHz)	Port 3			Port 1, Port 2 & Port 3		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)
Bottom	5260	3.1	1.1	4.2	3.1	4.7	4.2
Middle	5280	2.7	1.3	4.0	3.1	4.7	4.0
Top	5320	0.3	1.3	1.6	0.5	2.1	1.6

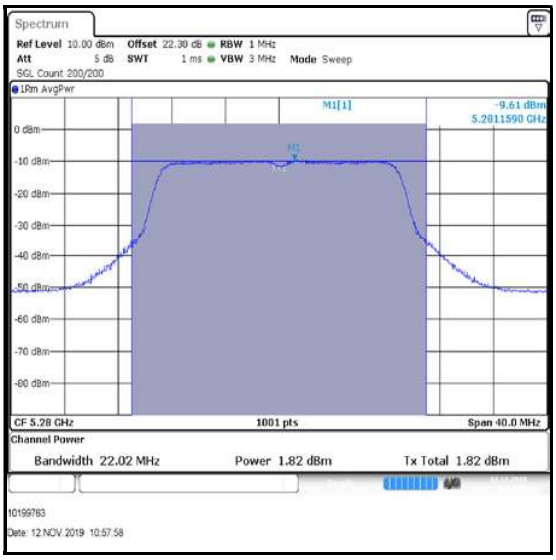
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	8.8	15.8	7.0	Complied
Middle	5280	8.8	15.8	7.0	Complied
Top	5320	6.2	15.8	9.6	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

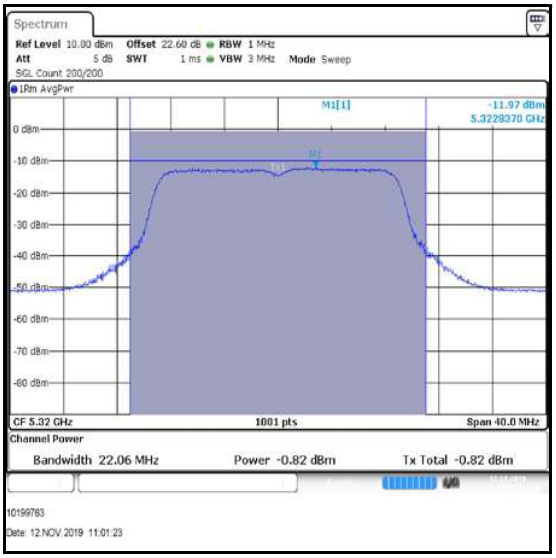
Results: 802.11n / 20 MHz / MIMO / 16-QAM / MCS3 / Port 1



Bottom Channel



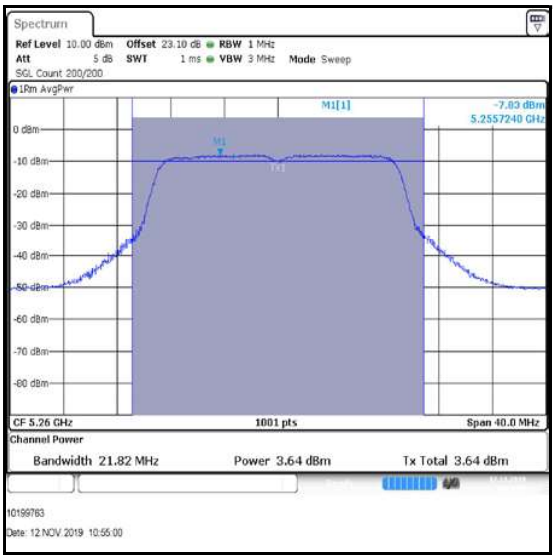
Middle Channel



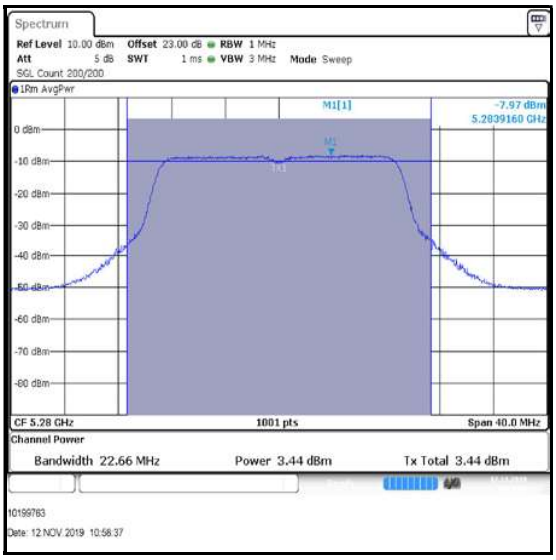
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

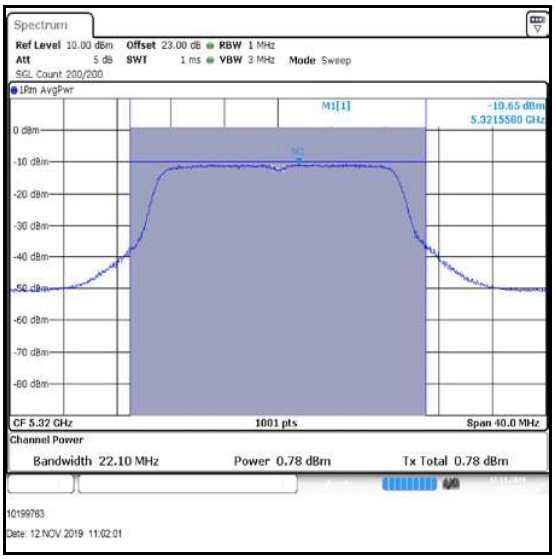
Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / 16-QAM / MCS3 / Port 2



Bottom Channel



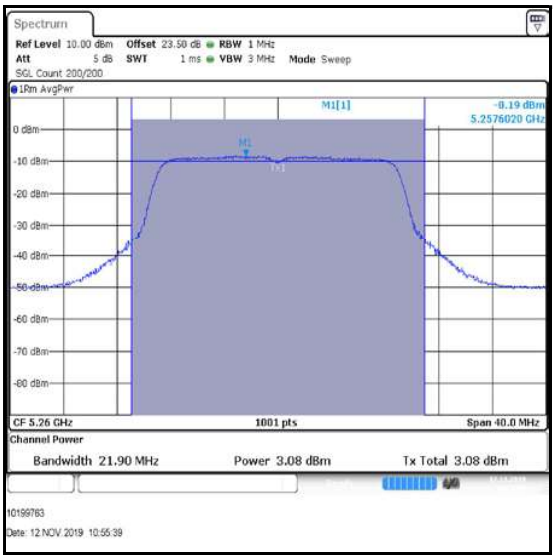
Middle Channel



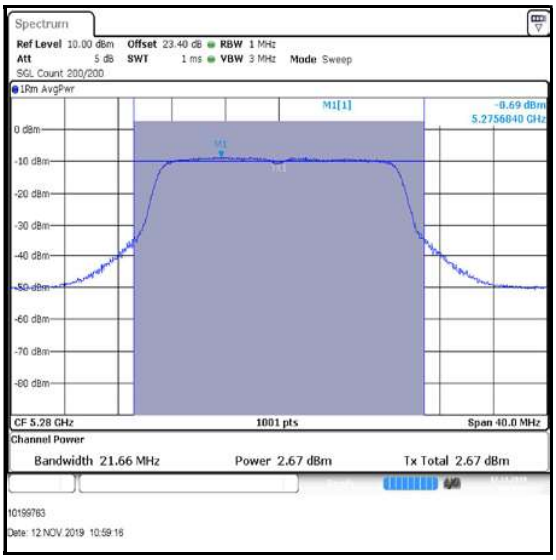
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

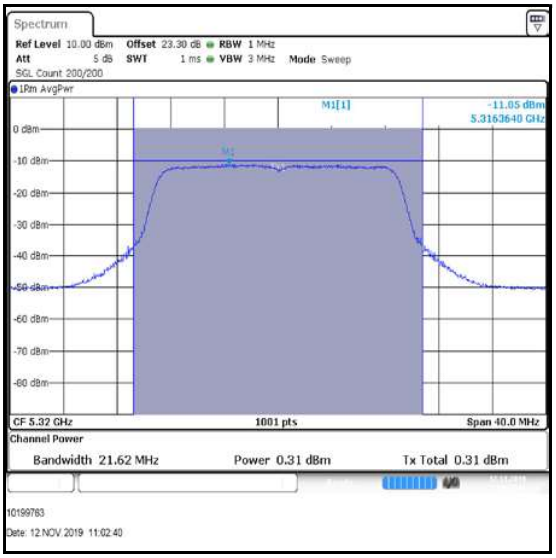
Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / 16-QAM / MCS3 / Port 3



Bottom Channel



Middle Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

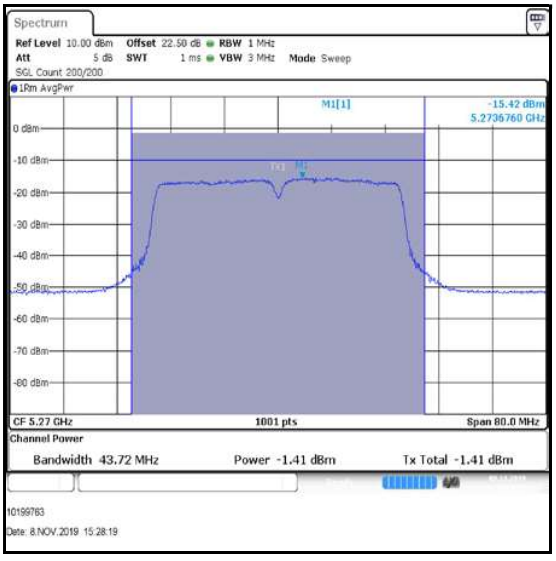
Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / 64-QAM / MCS5

Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5270	-1.4	1.8	0.4	0.1	1.8	1.9
Top	5310	-2.4	2.0	-0.4	-0.8	2.0	1.2

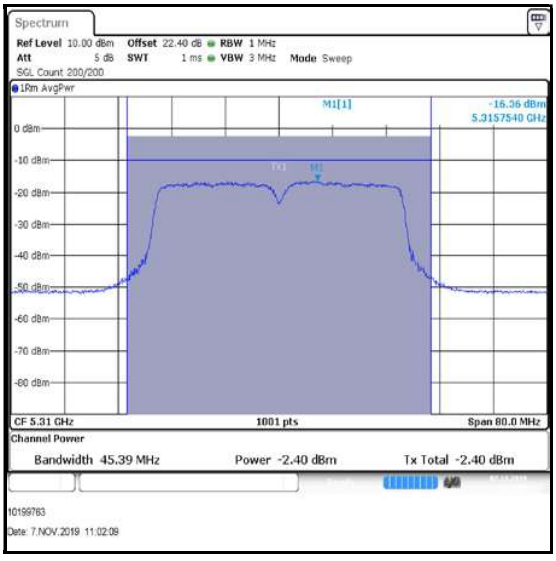
Channel	Frequency (MHz)	Port 3			Port 1, Port 2 & Port 3		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)
Bottom	5270	-0.6	1.8	1.2	0.4	1.9	1.2
Top	5310	-1.4	2.0	0.6	-0.4	1.2	0.6

Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	6.0	15.8	9.8	Complied
Top	5310	5.3	15.8	10.5	Complied

Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / 64-QAM / MCS5 / Port 1



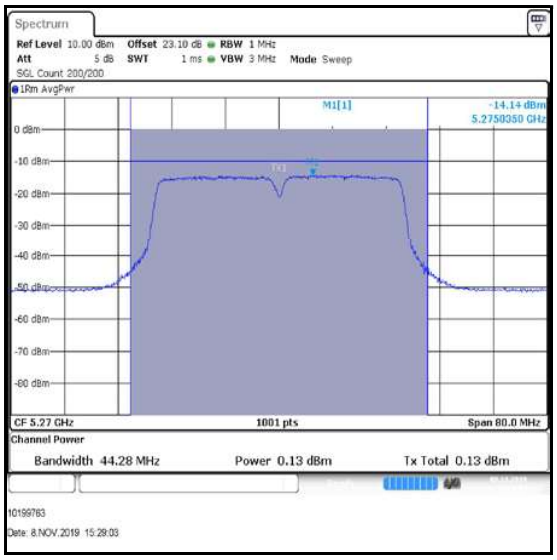
Bottom Channel



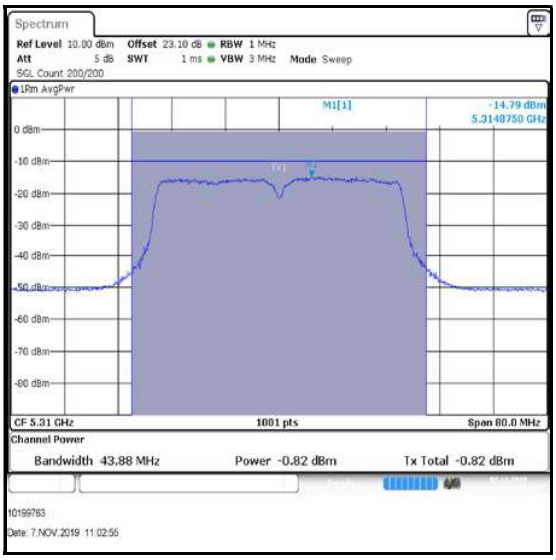
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / 64-QAM / MCS5 / Port 2

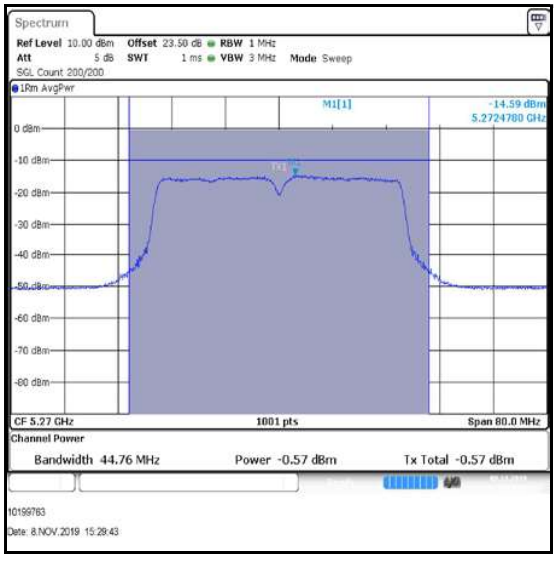


Bottom Channel

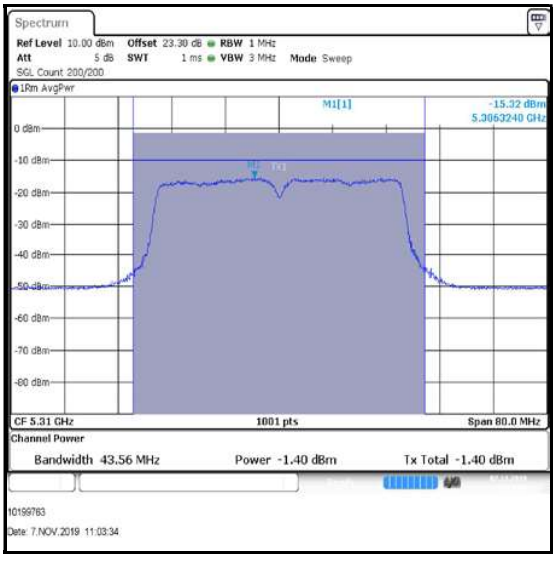


Top Channel

Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / 64-QAM / MCS5 / Port 3



Bottom Channel



Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / QPSK / MCS1x1

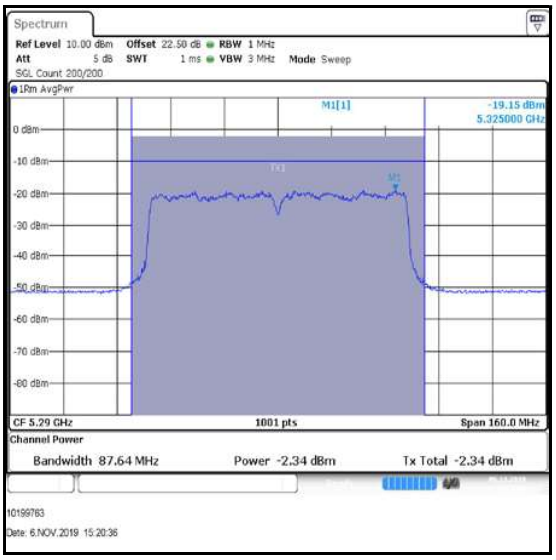
Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Single	5290	-2.3	2.3	0.0	-0.5	2.3	1.8

Channel	Frequency (MHz)	Port 3			Port 1, Port 2 & Port 3		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Port 1 (dBm)	Corrected Conducted Power Port 2 (dBm)	Corrected Conducted Power Port 3 (dBm)
Single	5290	-0.8	2.3	1.5	0.0	1.8	1.5

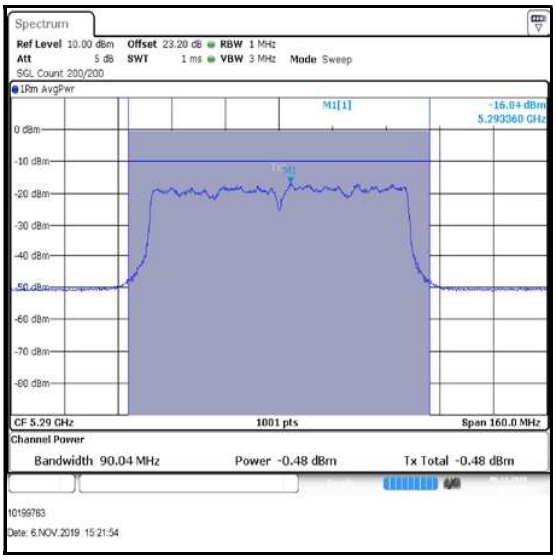
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	5.9	15.8	9.9	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

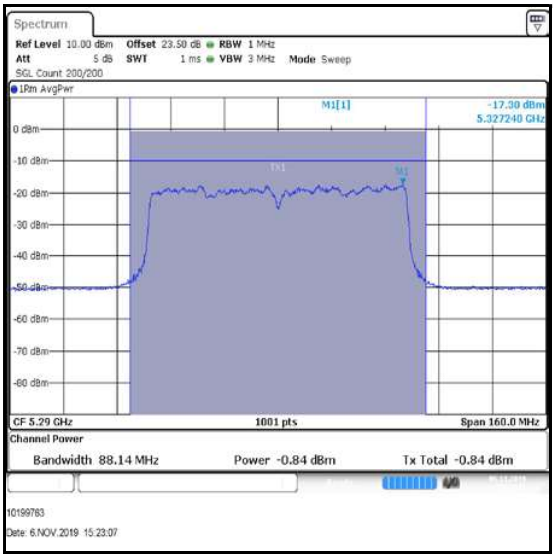
Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / QPSK / MCS1x1



Single Channel / Port 1



Single Channel / Port 2



Single Channel / Port 3

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

Results: 802.11a / 20 MHz / MIMO / 4Tx CDD / QPSK / 12 Mbps

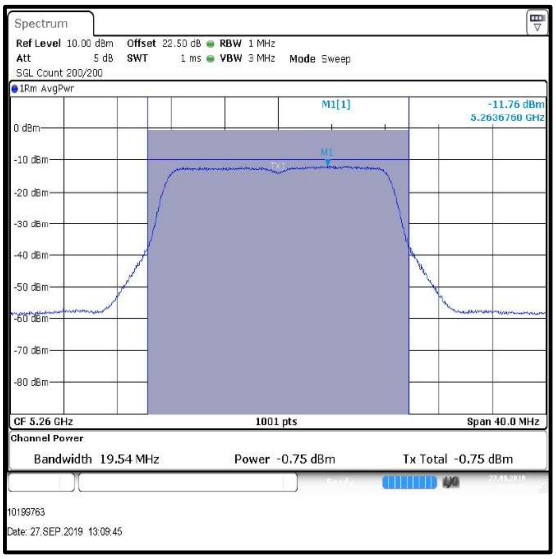
Channel	Frequency (MHz)	Port 1			Port 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	-0.8	0.6	-0.2	0.8	0.6	1.4
Middle	5280	-0.7	0.4	-0.3	1.2	0.4	1.6
Top	5320	-1.4	0.4	-1.0	0.7	0.4	1.1

Channel	Frequency (MHz)	Port 3			Port 4		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	0.3	0.6	0.9	1.2	0.6	1.8
Middle	5280	0.0	0.4	0.4	0.7	0.4	1.1
Top	5320	-0.2	0.4	0.2	0.6	0.4	1.0

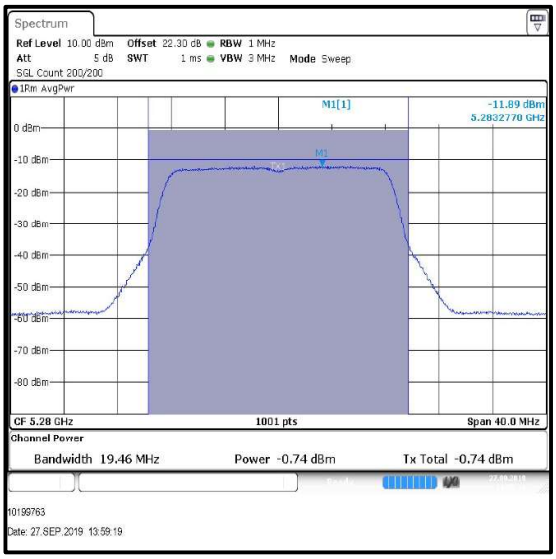
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	7.1	15.8	8.7	Complied
Middle	5280	6.8	15.8	9.0	Complied
Top	5320	6.4	15.8	9.4	Complied

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

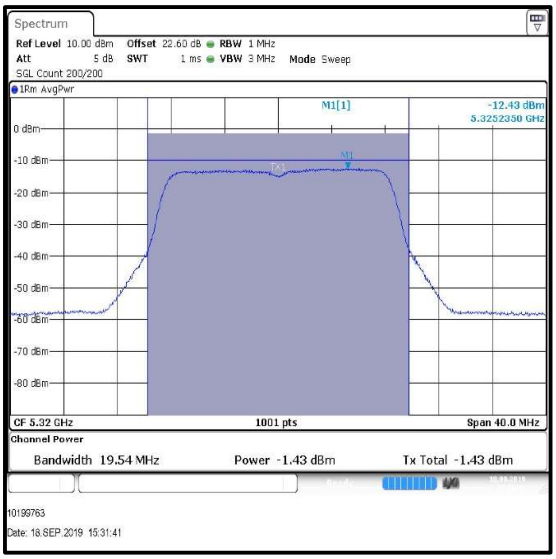
Results: 802.11a / 20 MHz / MIMO / 4Tx CDD / QPSK / 12 Mbps / Port 1



Bottom Channel



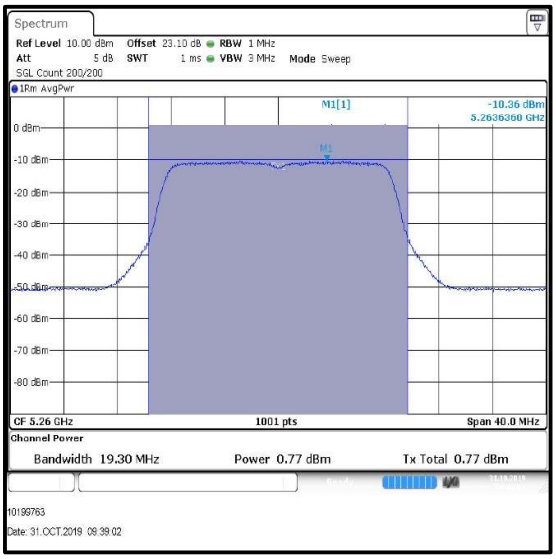
Middle Channel



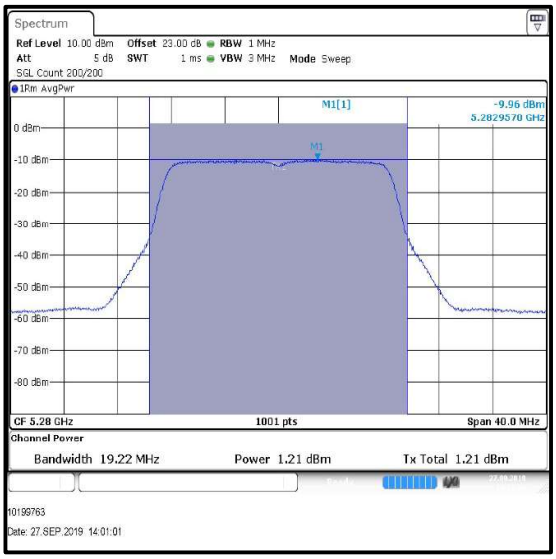
Top Channel

Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)

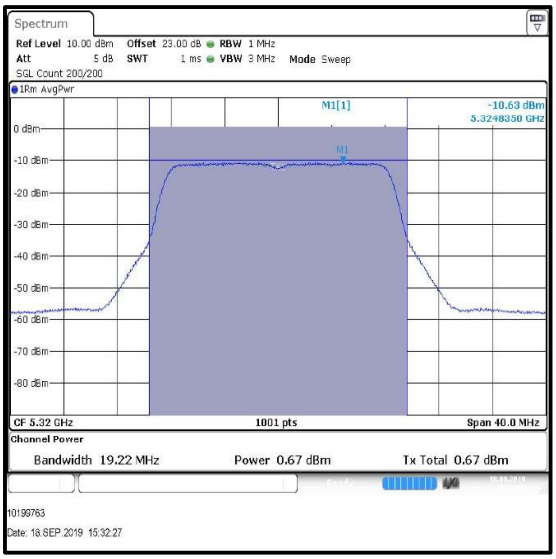
Results: 802.11a / 20 MHz / MIMO / 4Tx CDD / QPSK / 12 Mbps / Port 2



Bottom Channel



Middle Channel



Top Channel