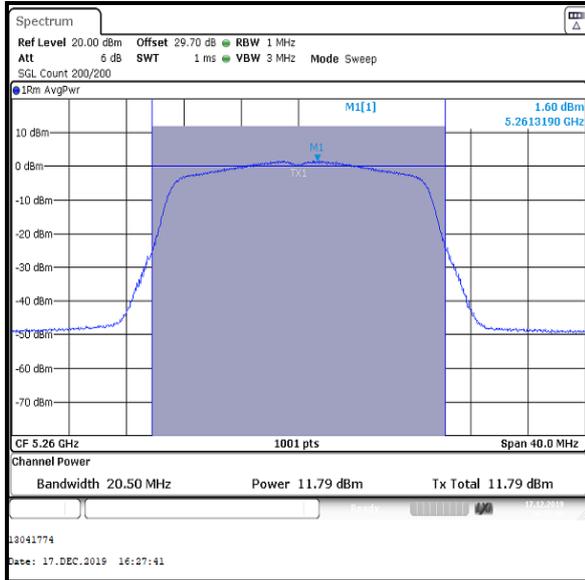
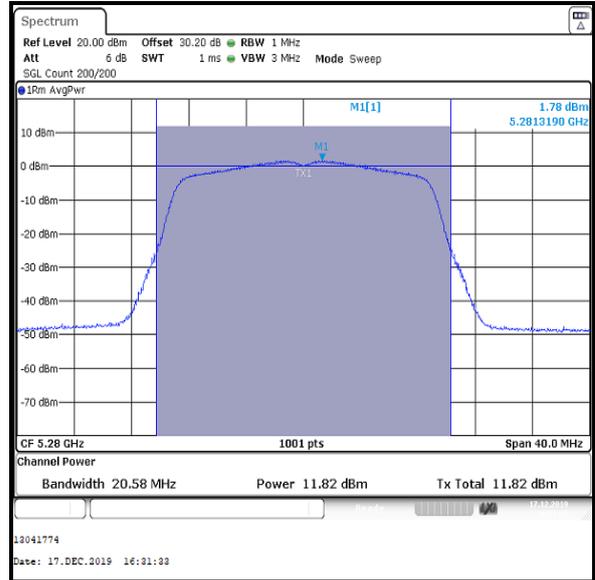


**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)**

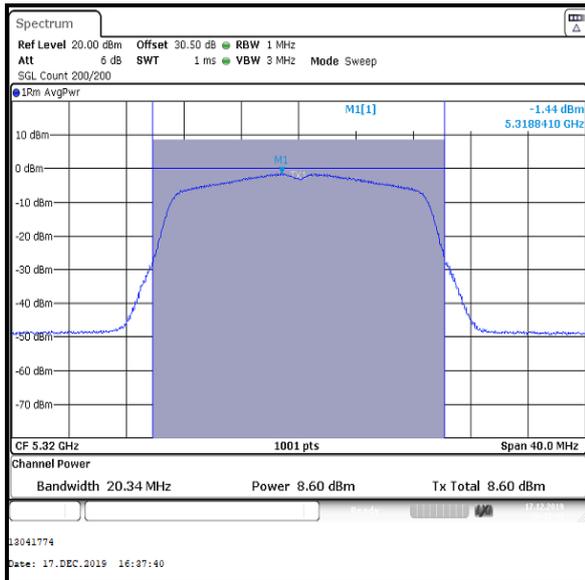
**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Core 1**



**Bottom Channel**



**Middle Channel**



**Top Channel**

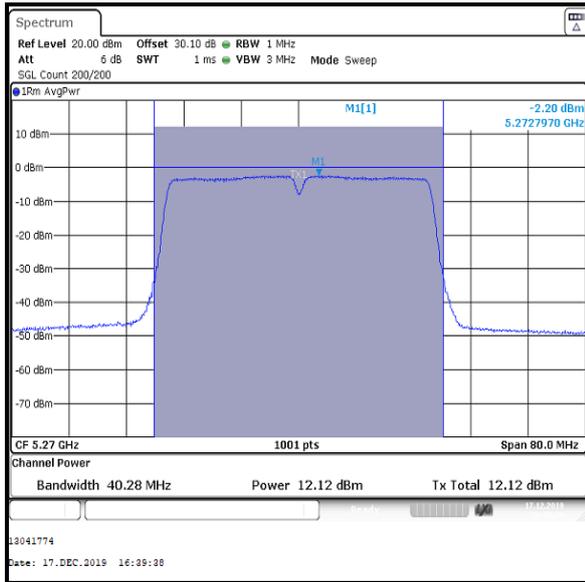
**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)**

**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

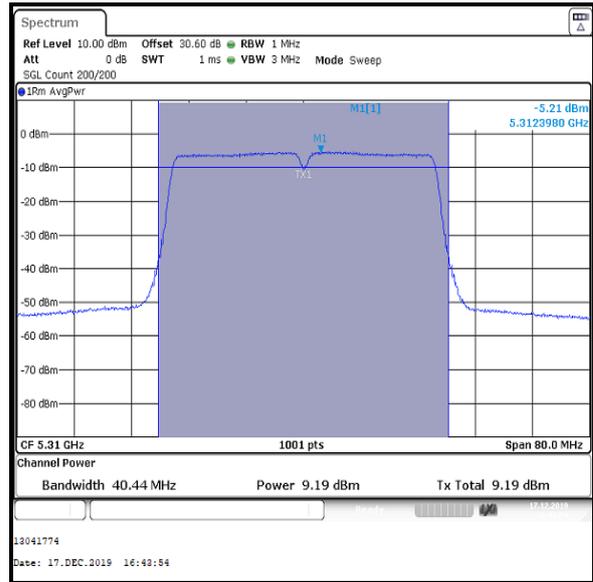
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5270	12.1	0.1	12.2	12.1	0.1	12.2
Top	5310	9.2	0.1	9.3	9.2	0.1	9.3

Channel	Frequency (MHz)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	12.2	12.2	15.2	22.3	7.1	Complied
Top	5310	9.3	9.3	12.3	22.3	10.0	Complied

**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Core 0**



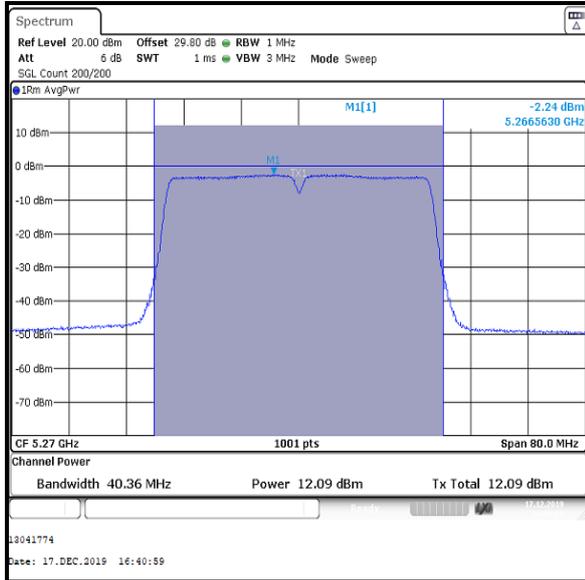
Bottom Channel



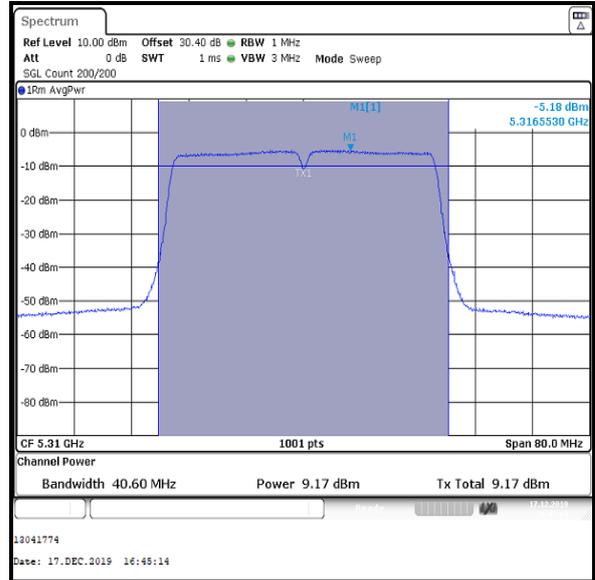
Top Channel

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

**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Core 1**



**Bottom Channel**



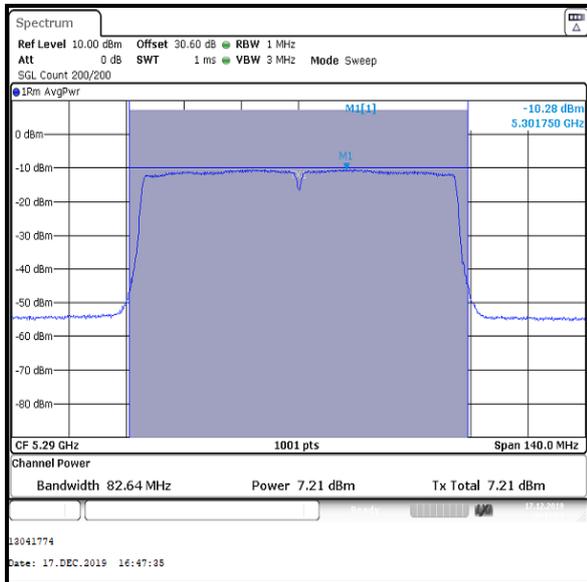
**Top Channel**

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

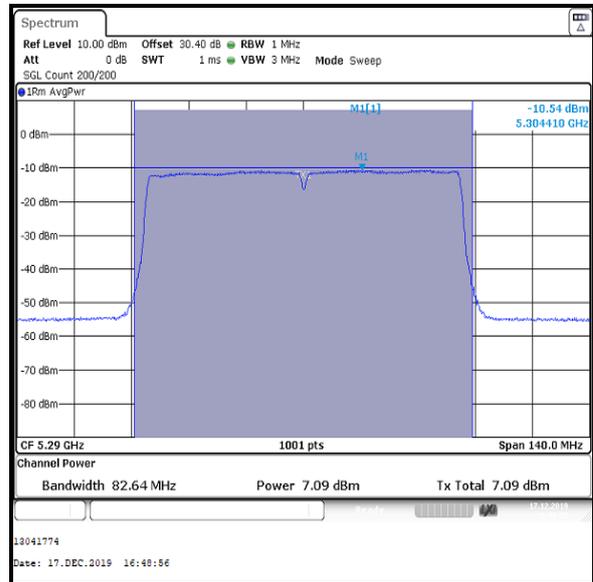
**Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	7.2	0.1	7.3	7.1	0.1	7.2

Channel	Frequency (MHz)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	7.3	7.2	10.3	22.3	12.0	Complied



Single Channel / Core 0



Single Channel / Core 1

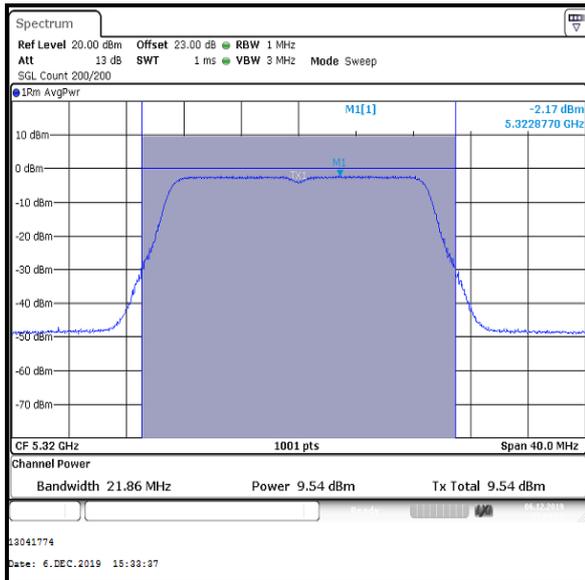
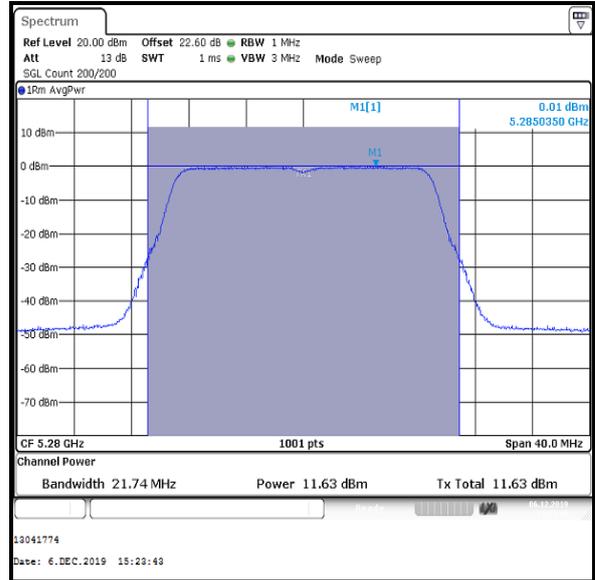
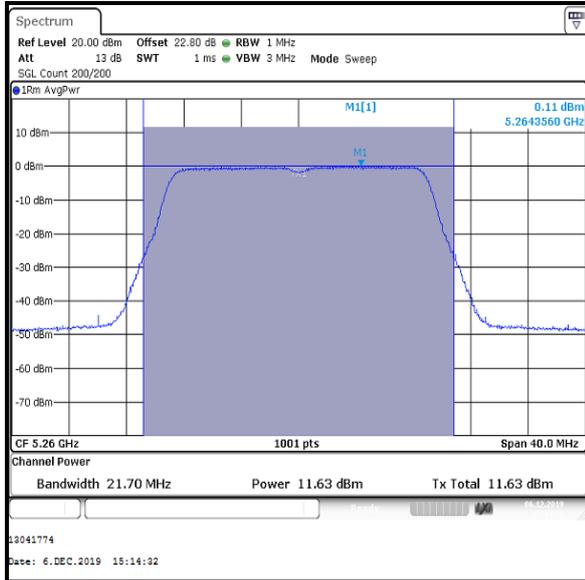
**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

Channel	Frequency (MHz)	Conducted Power Core 0 (dBm)	Conducted Power Core 1 (dBm)	Conducted Power Core 2 (dBm)	Combined Conducted Power (dBm)
Bottom	5260	11.6	12.2	12.7	17.0
Middle	5280	11.6	12.1	12.5	16.9
Top	5320	9.5	10.0	10.6	14.8

Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	17.0	24.0	7.0	Complied
Middle	5280	16.9	24.0	7.1	Complied
Top	5320	14.8	24.0	9.2	Complied

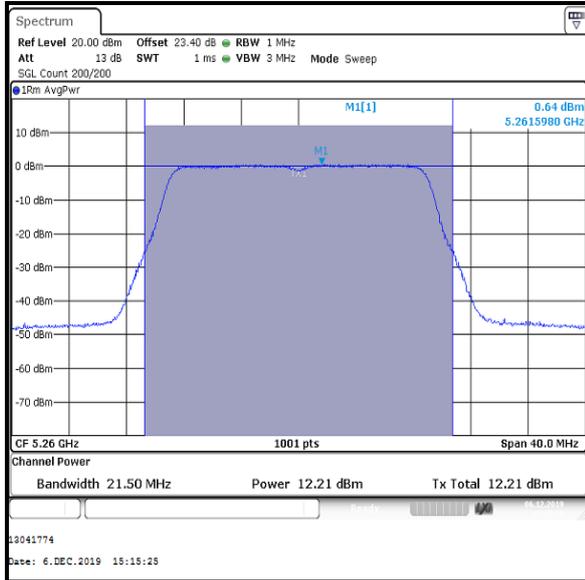
**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)**

**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 0**

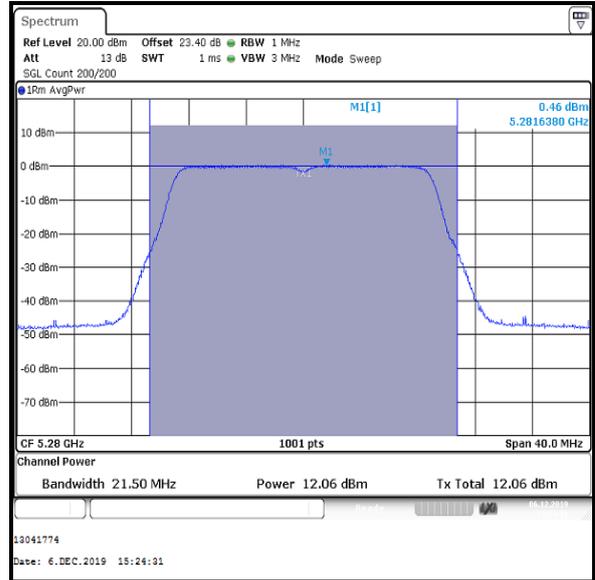


**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)**

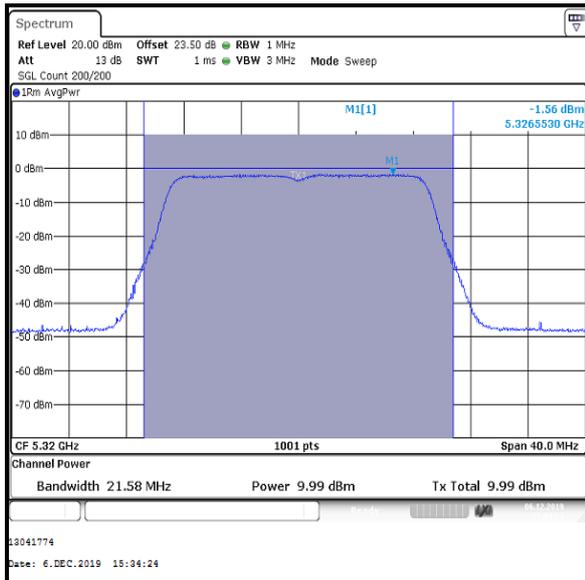
**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 1**



Bottom Channel



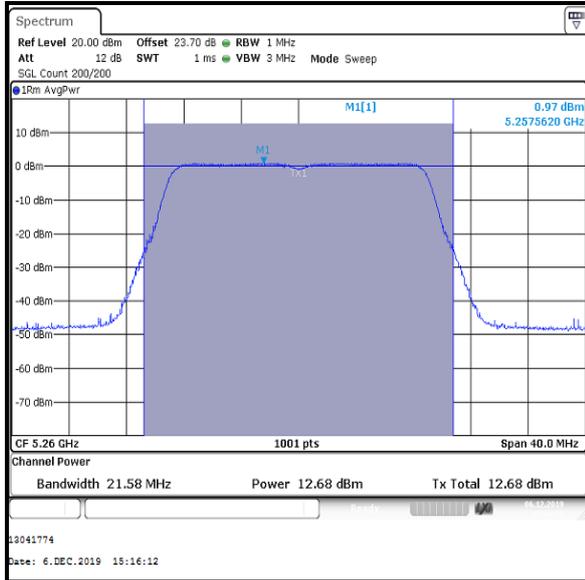
Middle Channel



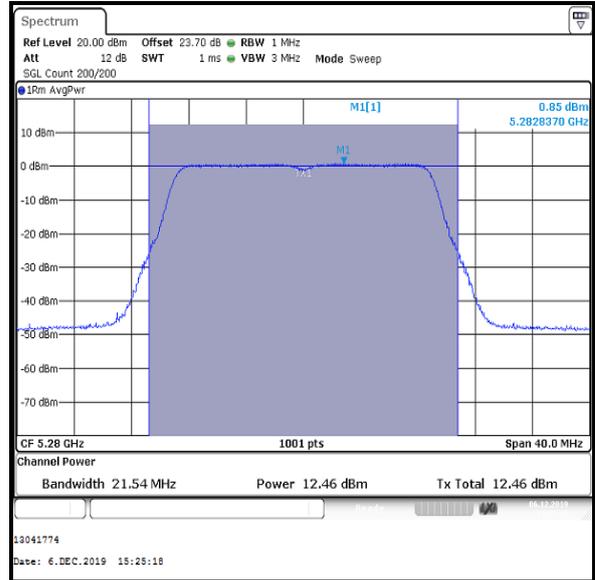
Top Channel

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

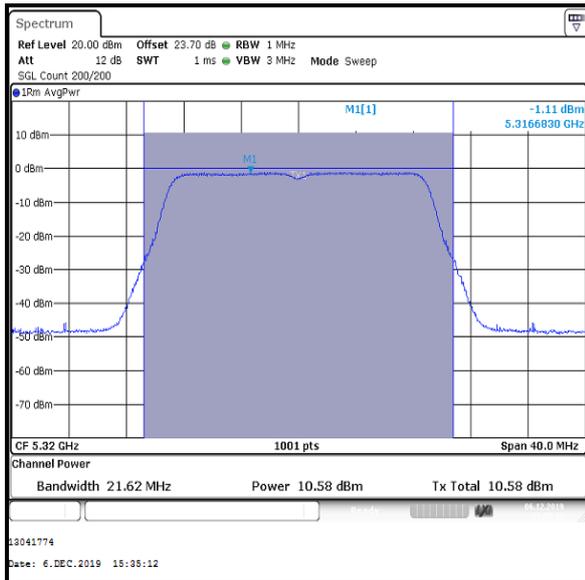
**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 2**



Bottom Channel



Middle Channel



Top Channel

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

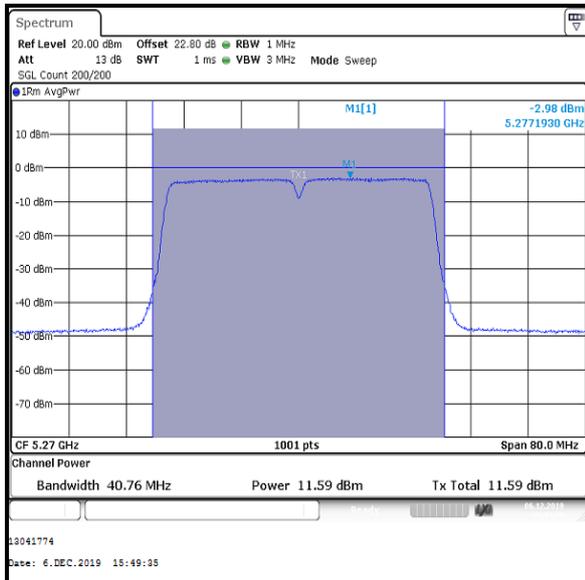
**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	11.6	0.1	11.7	11.9	0.1	12.0
Top	5310	9.7	0.1	9.8	10.3	0.1	10.4

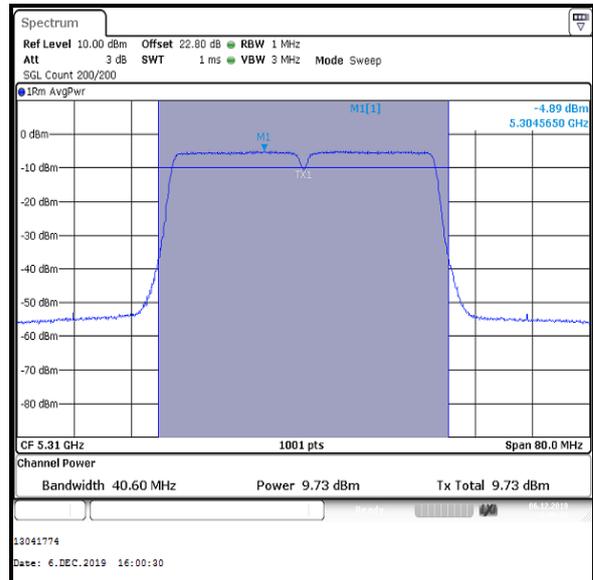
Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Bottom	5270	12.6	0.1	12.7	11.7	12.0	12.7
Top	5310	10.9	0.1	11.0	9.8	10.4	11.0

Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	16.9	24.0	7.1	Complied
Top	5310	15.2	24.0	8.8	Complied

**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 0**



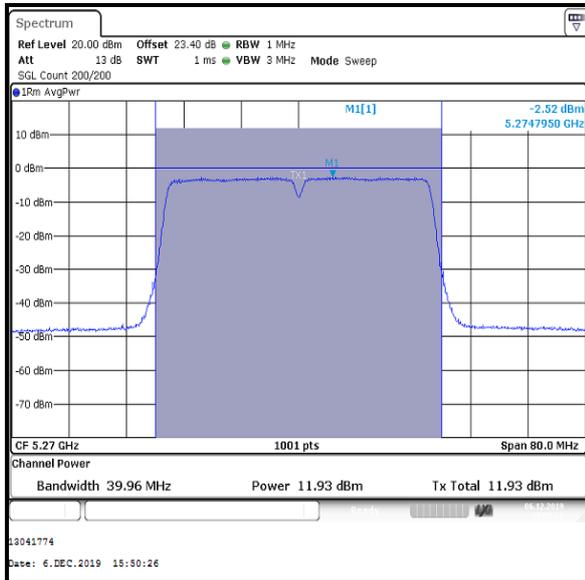
Bottom Channel



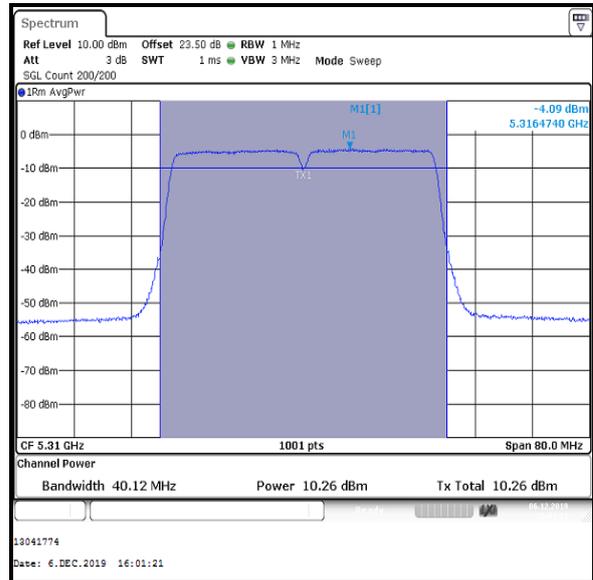
Top Channel

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

**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 1**

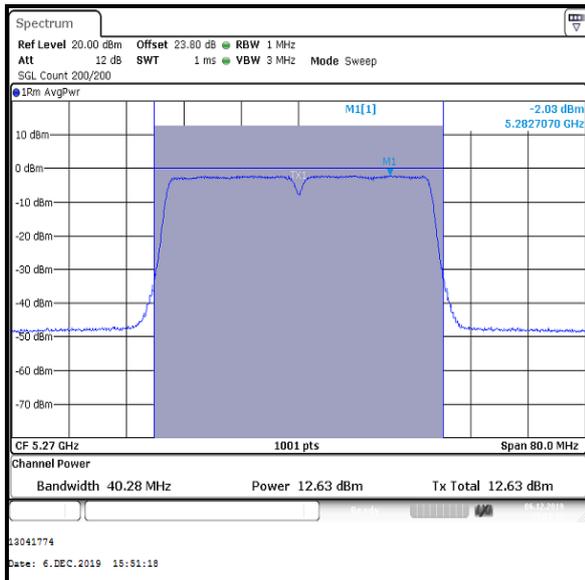


Bottom Channel

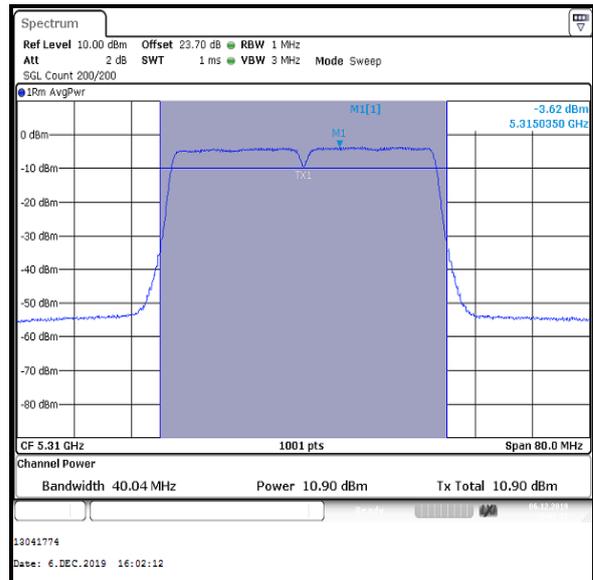


Top Channel

**Results: 802.11n / 40 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 2**



Bottom Channel



Top Channel

**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0x1**

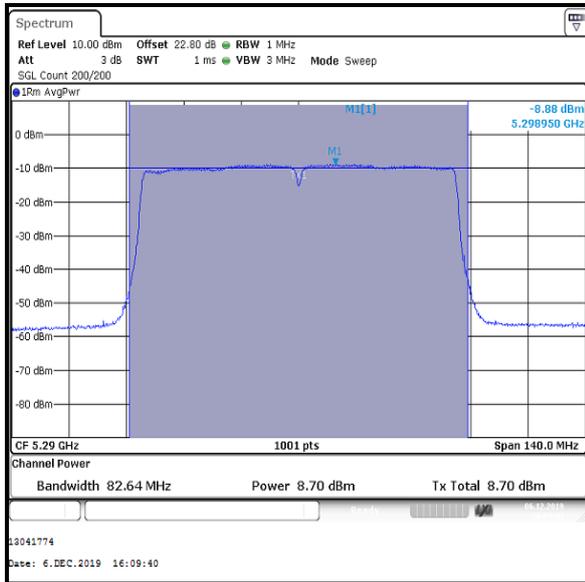
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Single	5290	8.7	0.2	8.9	9.1	0.2	9.3

Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Single	5290	9.7	0.2	9.9	8.9	9.3	9.9

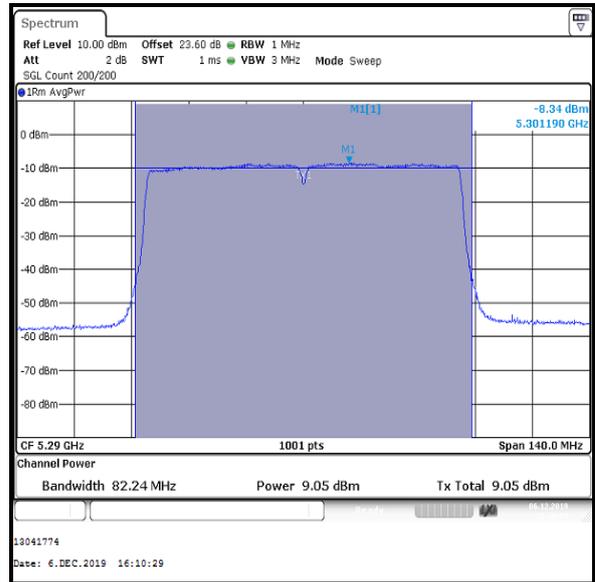
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	14.2	24.0	9.8	Complied

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

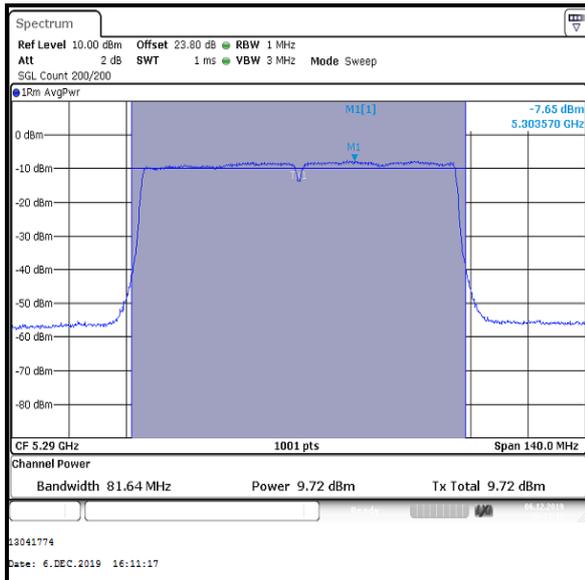
**Results: 802.11ac / 80 MHz / MIMO / 3Tx CDD / BPSK / MCS0x1**



**Single Channel / Core 0**



**Single Channel / Core 1**



**Single Channel / Core 2**

**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

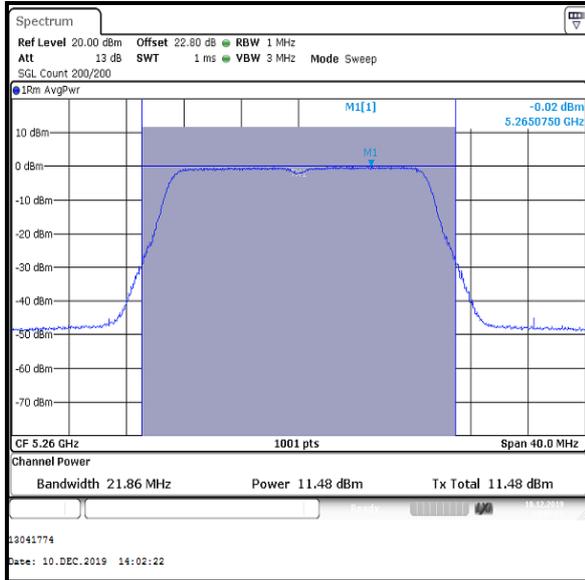
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	11.5	0.1	11.6	12.0	0.1	12.1
Middle	5280	11.5	0.1	11.6	12.0	0.1	12.1
Top	5320	11.3	0.1	11.4	11.9	0.1	12.0

Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Bottom	5260	12.6	0.1	12.7	11.6	12.1	12.7
Middle	5280	12.7	0.1	12.8	11.6	12.1	12.8
Top	5320	12.6	0.1	12.7	11.4	12.0	12.7

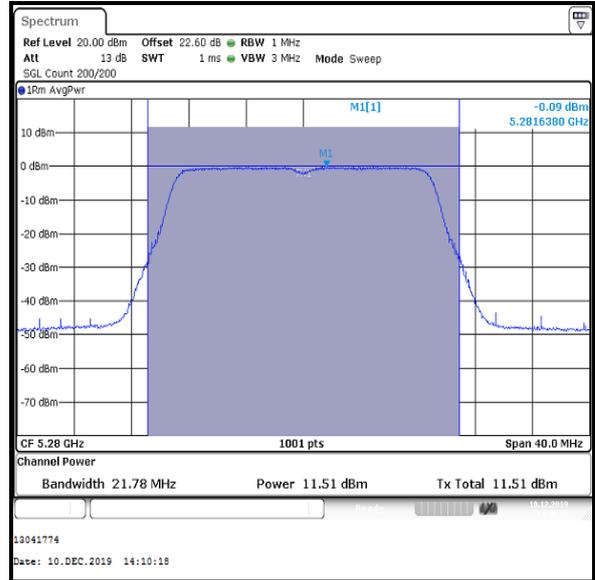
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	16.9	24.0	7.1	Complied
Middle	5280	17.0	24.0	7.0	Complied
Top	5320	16.8	24.0	7.2	Complied

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

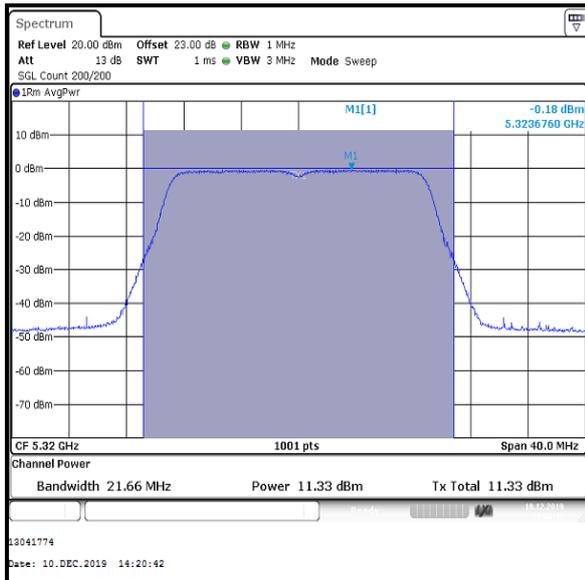
**Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Core 0**



**Bottom Channel**



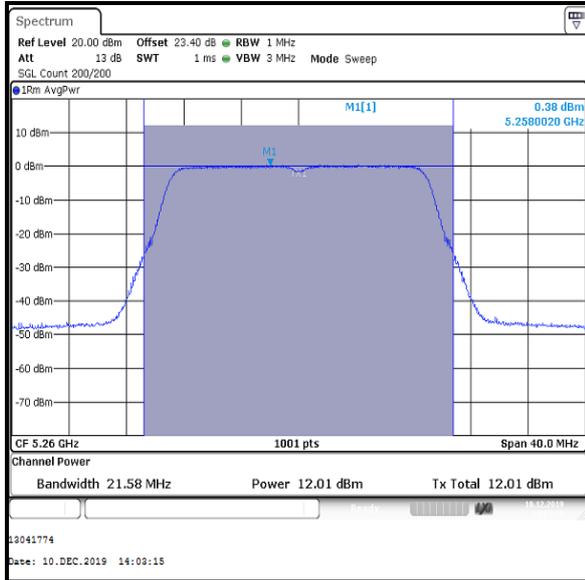
**Middle Channel**



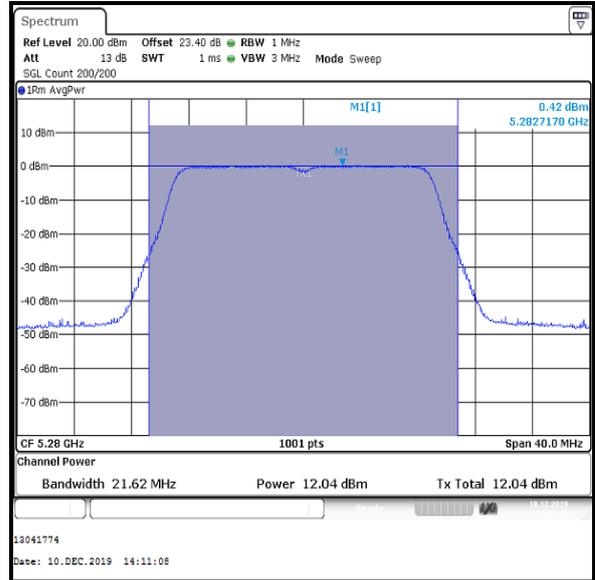
**Top Channel**

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

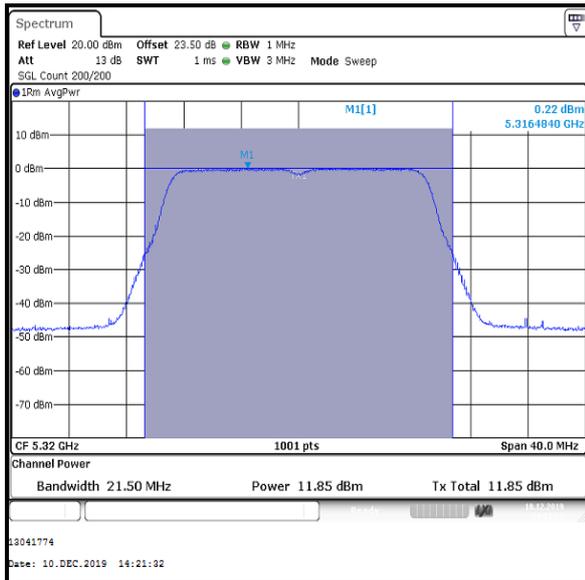
**Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Core 1**



**Bottom Channel**



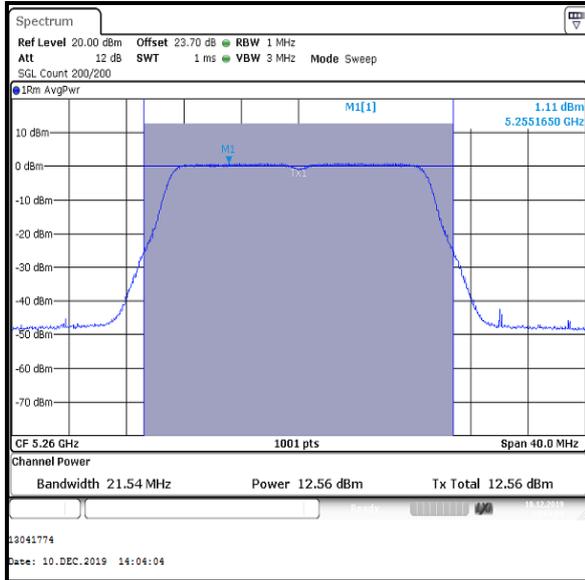
**Middle Channel**



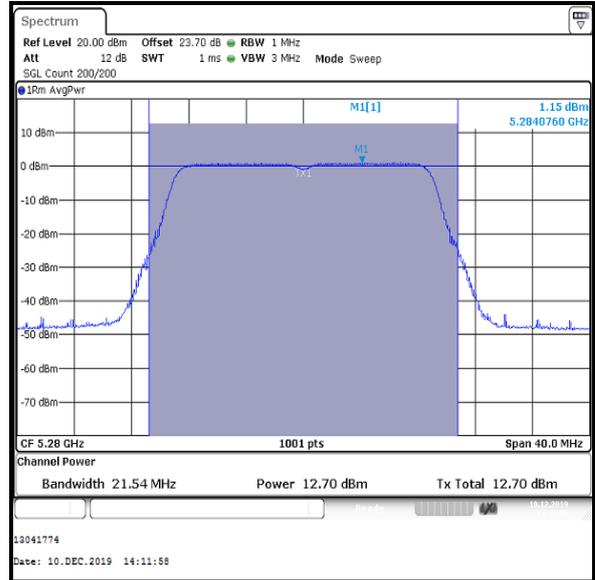
**Top Channel**

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

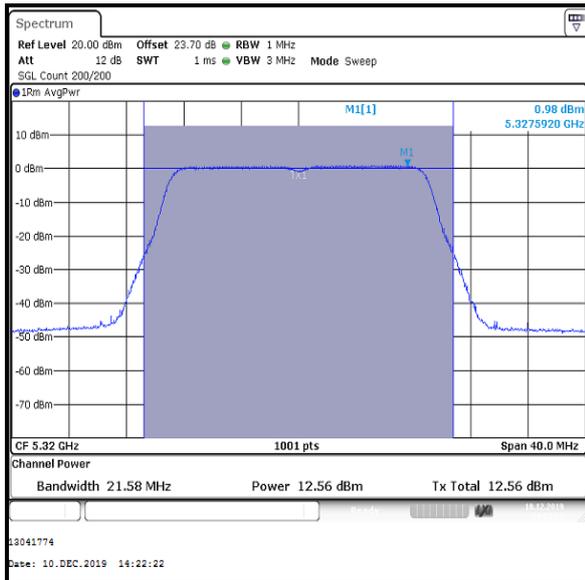
**Results: 802.11n / 20 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Core 2**



**Bottom Channel**



**Middle Channel**



**Top Channel**

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

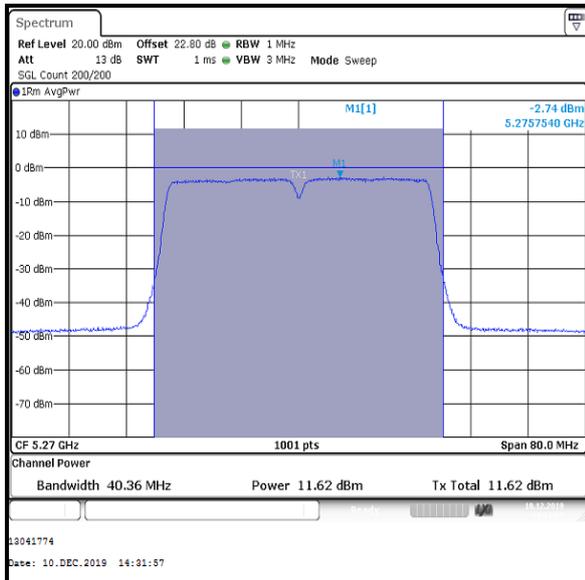
**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	11.6	0.3	11.9	11.9	0.3	12.2
Top	5310	10.7	0.3	11.0	11.3	0.3	11.6

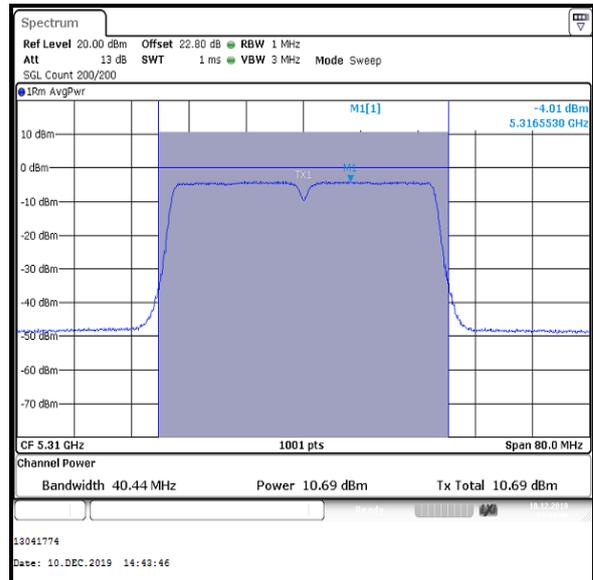
Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Bottom	5270	12.8	0.3	13.1	11.9	12.2	13.1
Top	5310	12.0	0.3	12.3	11.0	11.6	12.3

Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	17.2	24.0	6.8	Complied
Top	5310	16.4	24.0	7.6	Complied

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Core 0**



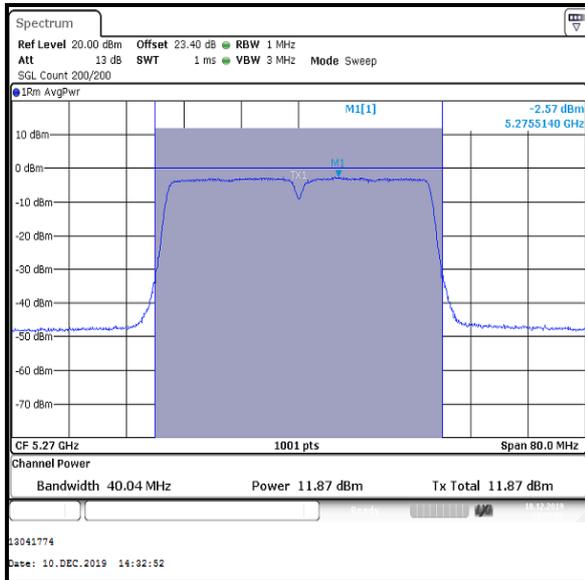
**Bottom Channel**



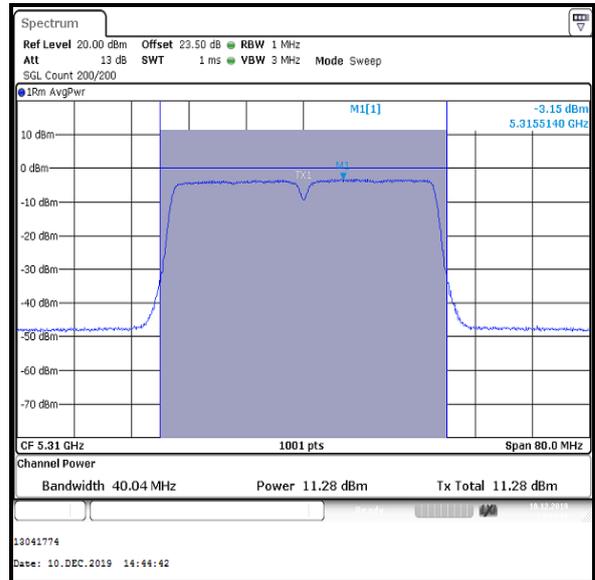
**Top Channel**

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

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Core 1**

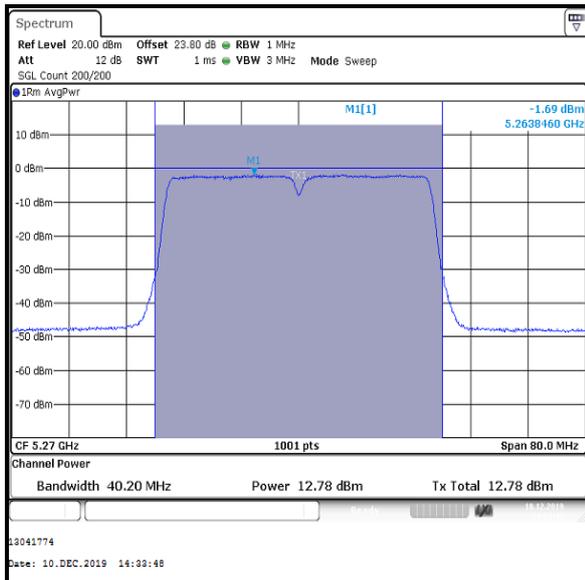


Bottom Channel

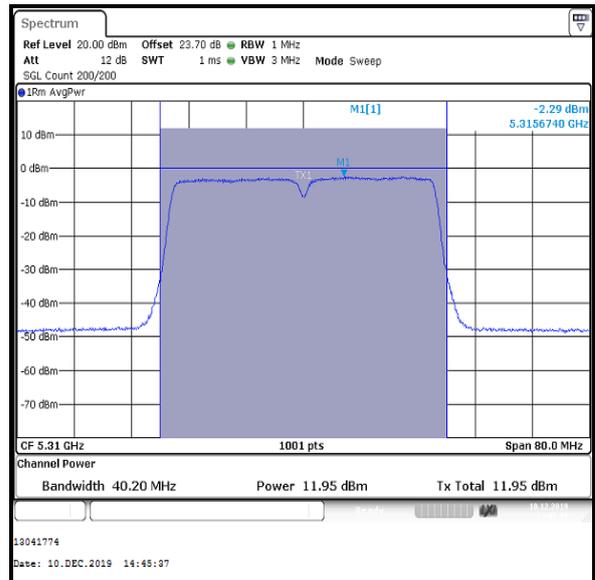


Top Channel

**Results: 802.11n / 40 MHz / MIMO / 3Tx SDM / BPSK / MCS16 / Core 2**



Bottom Channel



Top Channel

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

**Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3**

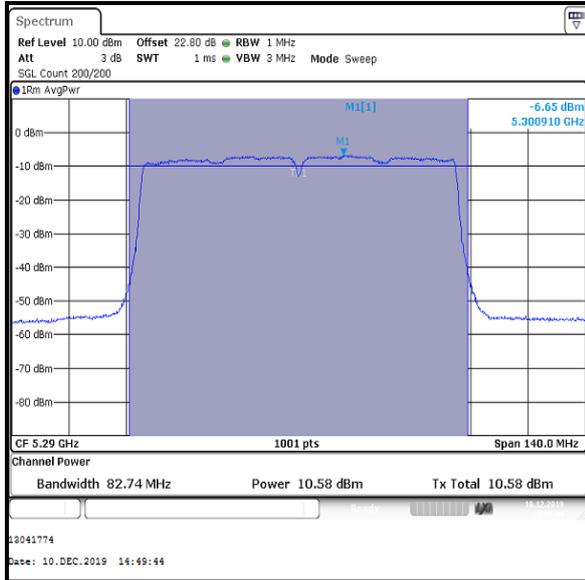
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Single	5290	10.6	0.5	11.1	11.0	0.5	11.5

Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Single	5290	11.8	0.5	12.3	11.1	11.5	12.3

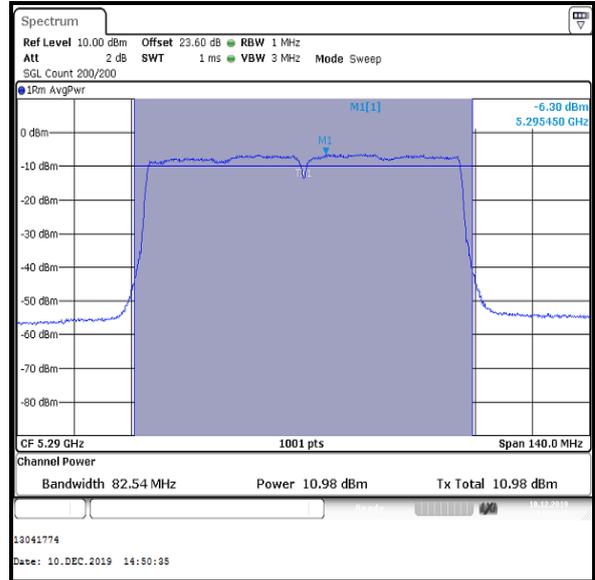
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	16.4	24.0	7.6	Complied

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

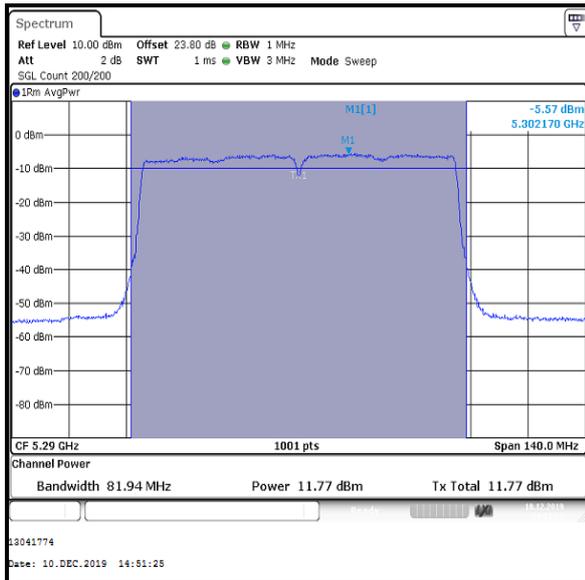
**Results: 802.11ac / 80 MHz / MIMO / 3Tx SDM / BPSK / MCS0x3**



**Single Channel / Core 0**



**Single Channel / Core 1**



**Single Channel / Core 2**

**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

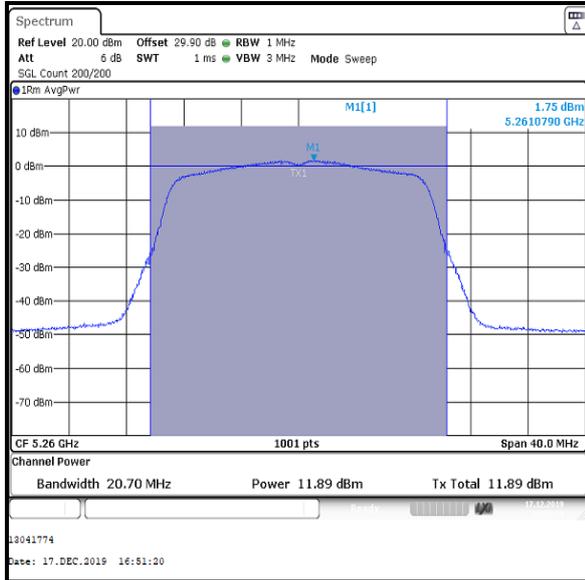
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5260	11.9	0.1	12.0	11.7	0.1	11.8
Middle	5280	12.3	0.1	12.4	12.1	0.1	12.2
Top	5320	7.8	0.1	7.9	7.8	0.1	7.9

Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Bottom	5260	11.7	0.1	11.8	12.0	11.8	11.8
Middle	5280	11.8	0.1	11.9	12.4	12.2	11.9
Top	5320	7.9	0.1	8.0	7.9	7.9	8.0

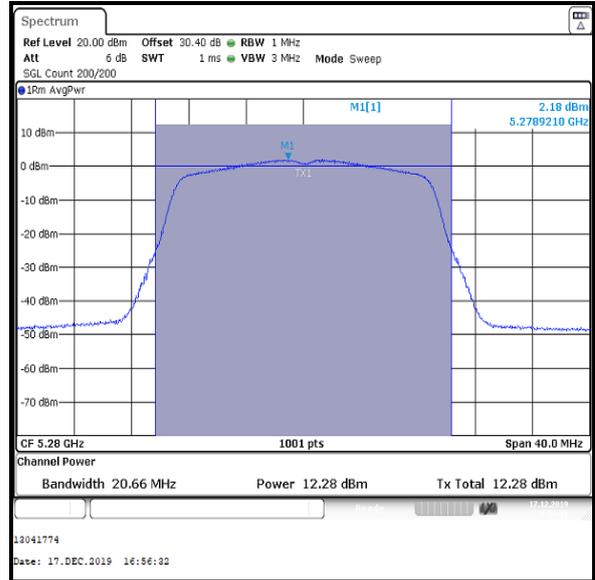
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5260	16.6	21.0	4.4	Complied
Middle	5280	16.9	21.0	4.1	Complied
Top	5320	12.7	21.0	8.3	Complied

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

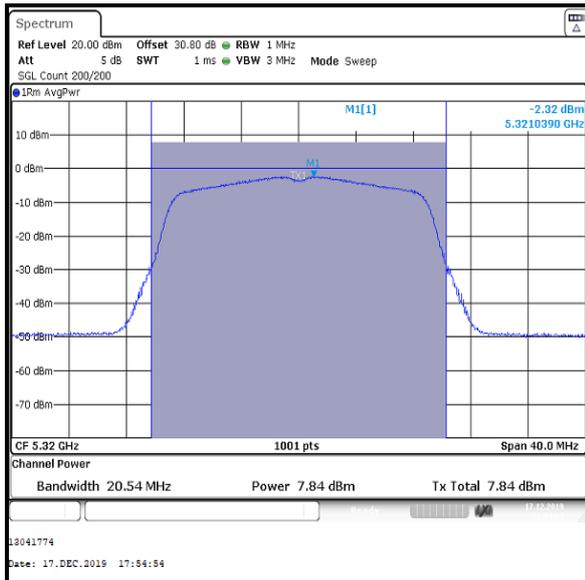
**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Core 0**



**Bottom Channel**



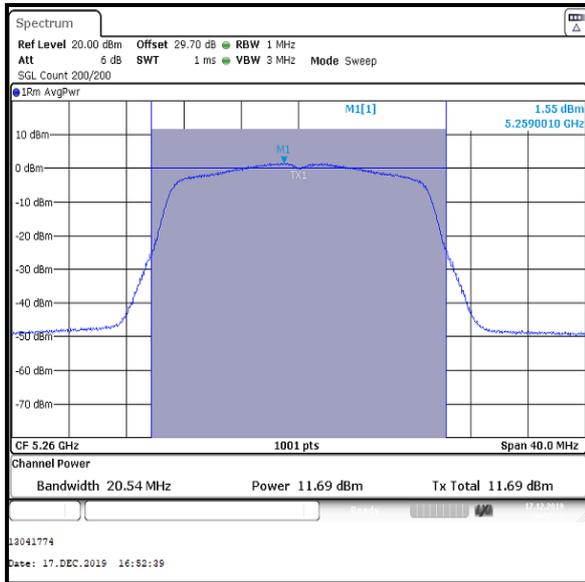
**Middle Channel**



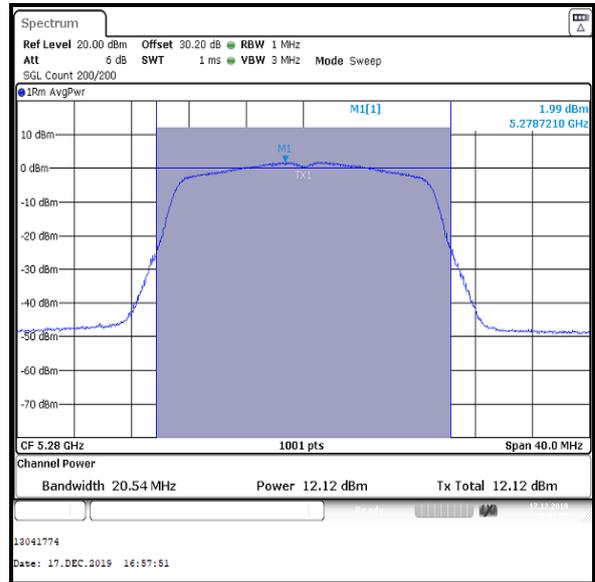
**Top Channel**

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

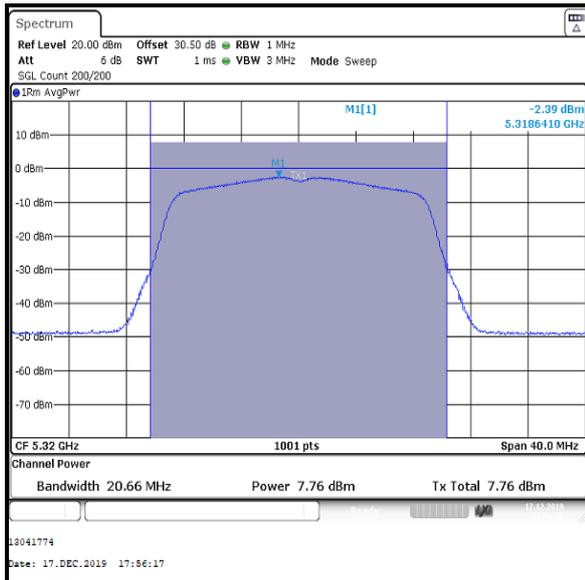
**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Core 1**



**Bottom Channel**



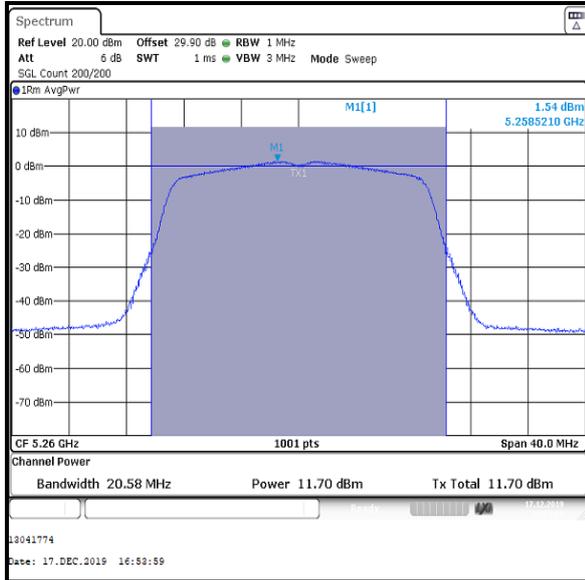
**Middle Channel**



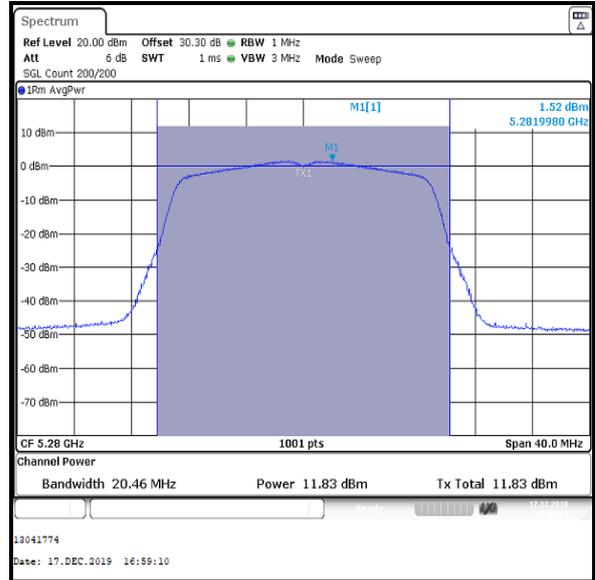
**Top Channel**

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

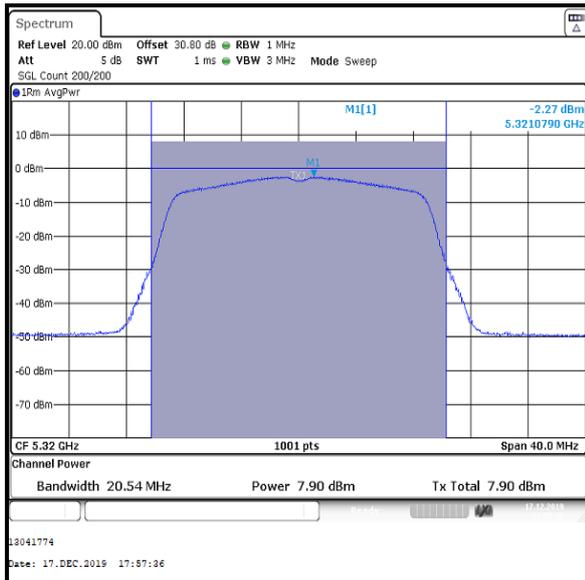
**Results: 802.11n / 20 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Core 2**



**Bottom Channel**



**Middle Channel**



**Top Channel**

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

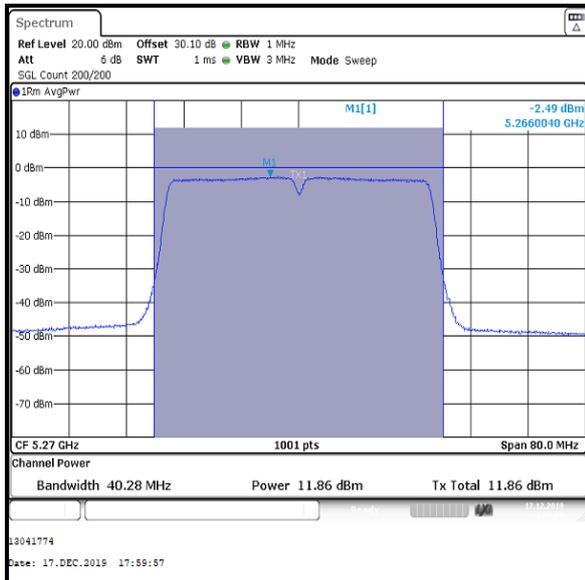
**Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	11.9	0.1	12.0	11.8	0.1	11.9
Top	5310	7.6	0.1	7.7	7.8	0.1	7.9

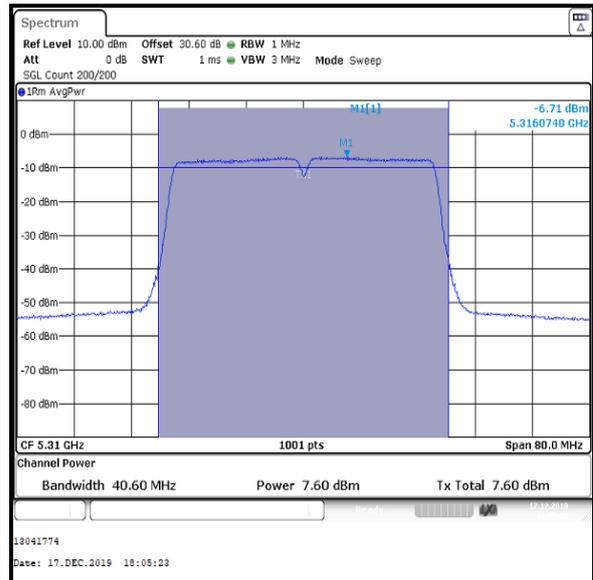
Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Bottom	5270	11.3	0.1	11.4	12.0	11.9	11.4
Top	5310	7.6	0.1	7.7	7.7	7.9	7.7

Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5270	16.5	21.0	4.5	Complied
Top	5310	12.5	21.0	8.5	Complied

**Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Core 0**



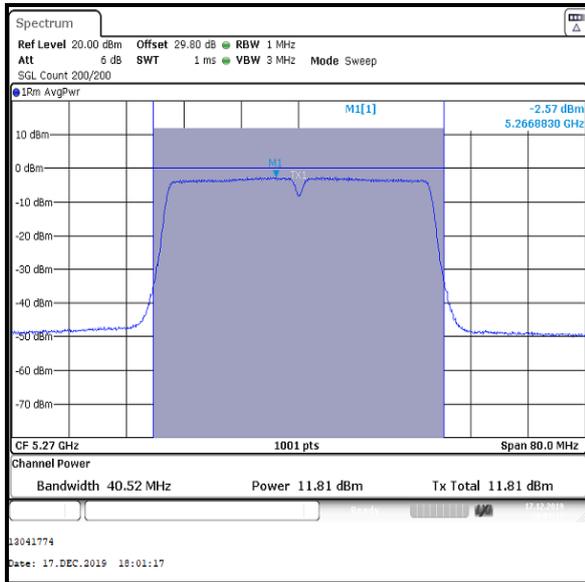
**Bottom Channel**



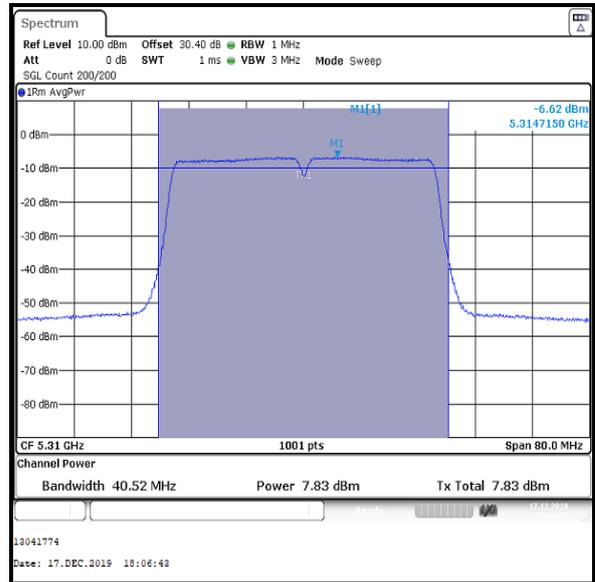
**Top Channel**

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

**Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Core 1**

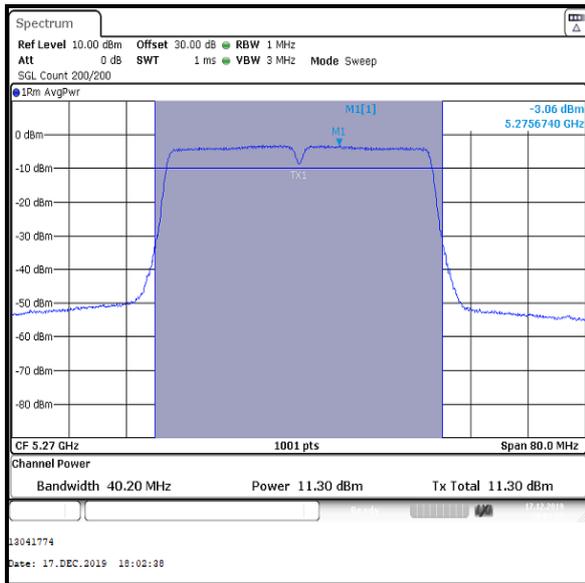


Bottom Channel

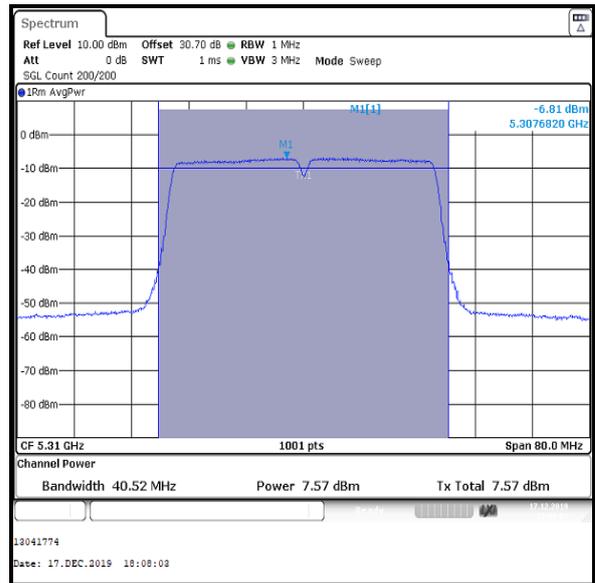


Top Channel

**Results: 802.11n / 40 MHz / MIMO / 3Tx TXBF / BPSK / MCS0 / Core 2**



Bottom Channel



Top Channel

**Transmitter Maximum Conducted Output Power (5.25-5.35 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0x1**

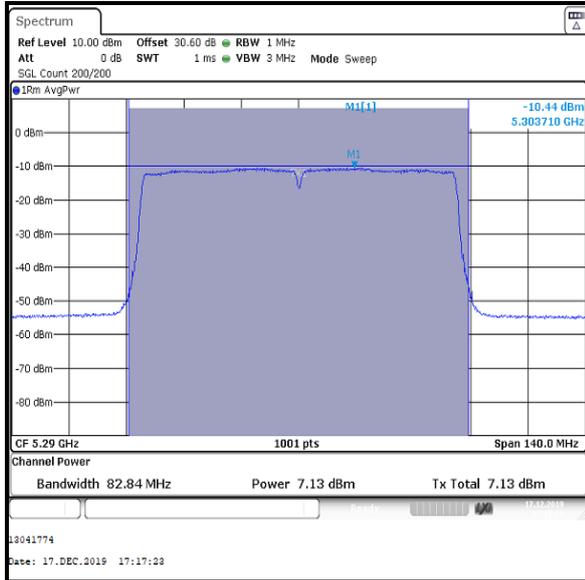
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Single	5290	7.1	0.1	7.2	7.1	0.1	7.2

Channel	Frequency (MHz)	Core 2			Core 0, Core 1 & Core 2		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Corrected Conducted Power Core 2 (dBm)
Single	5290	7.1	0.1	7.2	7.2	7.2	7.2

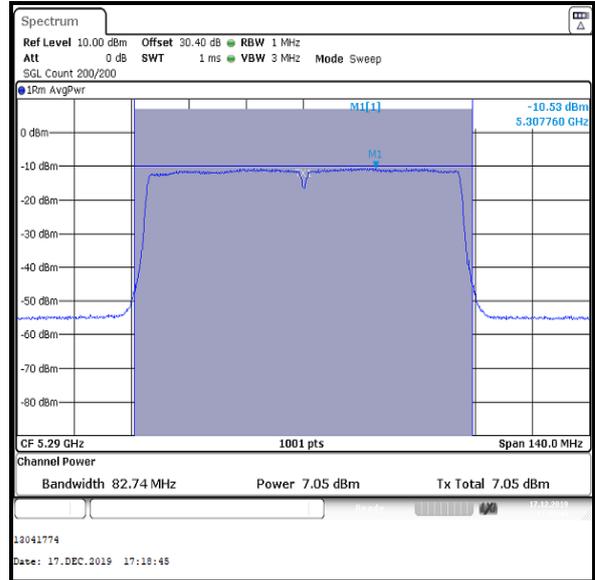
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	5290	12.0	21.0	9.0	Complied

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

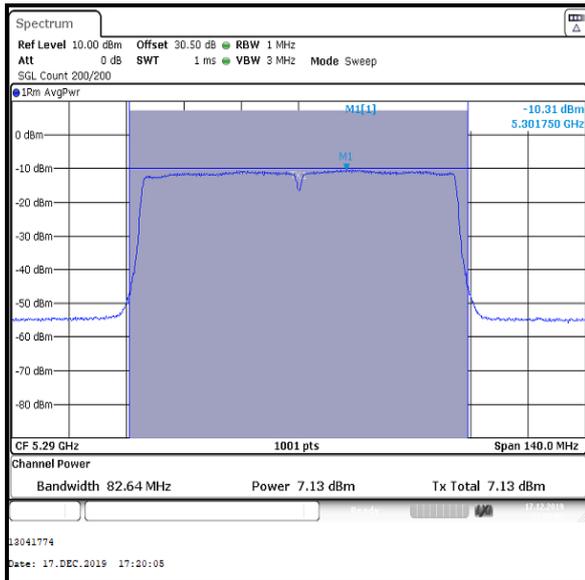
**Results: 802.11ac / 80 MHz / MIMO / 3Tx TXBF / BPSK / MCS0x1**



Single Channel / Core 0



Single Channel / Core 1



Single Channel / Core 2

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band)****4.4.3. 5.47-5.725 GHz band****Test Summary:**

<b>Test Engineers:</b>	Max Passell & Matthew Botfield	<b>Test Dates:</b>	03 December 2019 to 14 April 2020
<b>Test Sample Serial Numbers:</b>	C02ZH007P1YX & C02ZG00GP22J		

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

**Environmental Conditions:**

<b>Temperature (°C):</b>	21 to 24
<b>Relative Humidity (%):</b>	28 to 46

## **Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

### **Note(s):**

1. Initial measurements were performed using a power meter to obtain the required power setting according to customer specified tolerances. This setting was then used to measure the power using the test methods listed below.
2. For conducted power tests where the duty cycle is >98%, the measurements were performed using a signal analyser in accordance with FCC KDB 789033 II.E.2.b) Method SA-1. Where the duty cycle is <98%, the 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. Measurements were performed using configurations detailed in Section 3.5 of this test report on the relevant channels.
4. For data rates where the EUT was transmitting at <98% duty cycle, 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.
5. The FCC Part 15.407(a)(2) limit is the lesser of 250 mW (24.0 dBm) or  $11 \text{ dBm} + 10 \log_{10} B$ , where B is the previously measured 26 dB emission bandwidth in MHz. For U-NII-2C band, the 26 dB EBW is greater than 20 MHz.

$$\begin{aligned}
 &\text{For } B > 20 \text{ MHz} \rightarrow \\
 &\rightarrow \log_{10} B > \log_{10} 20 \rightarrow \\
 &\rightarrow 10 \log_{10} B > 10 \log_{10} 20 \rightarrow \\
 &\rightarrow 11 + 10 \log_{10} B > 11 + 10 \log_{10} 20 \rightarrow \\
 &\rightarrow 11 + 10 \log_{10} B > 24.0 \text{ dBm}
 \end{aligned}$$

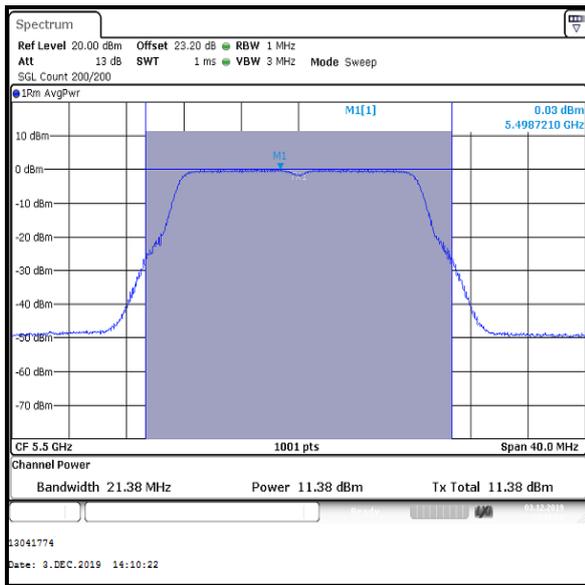
Therefore for measured emission bandwidths greater than 20 MHz, the lesser of the two limits is the fixed limit of 250 mW (24.0 dBm). This was applied to the results.

6. For MIMO modes, conducted power was measured on both ports and then combined using the measure-and-sum method stated in FCC KDB 662911 D01 Section E)1).
7. For SISO, MIMO CDD and MIMO SDM modes of operation, the antenna gain is < 6 dBi.
8. For 2Tx TXBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 6.8 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 24.0 dBm has been reduced by 0.8 dB to 23.2 dBm.
9. For 3Tx TXBF modes of operation presented in this section of the test report, the EUT has a directional antenna gain of 8.3 dBi. In accordance with Part 15.407(a)(2), the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. Therefore the limit of 24.0 dBm has been reduced by 2.3 dB to 21.7 dBm.
10. For details on antenna gains refer to Section 3.4 of this test report.
11. 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.
12. The EUT with serial number C02ZH007P1YX was used for non-TXBF tests, the EUT with serial C02ZG00GP22J number was used for TXBF tests.

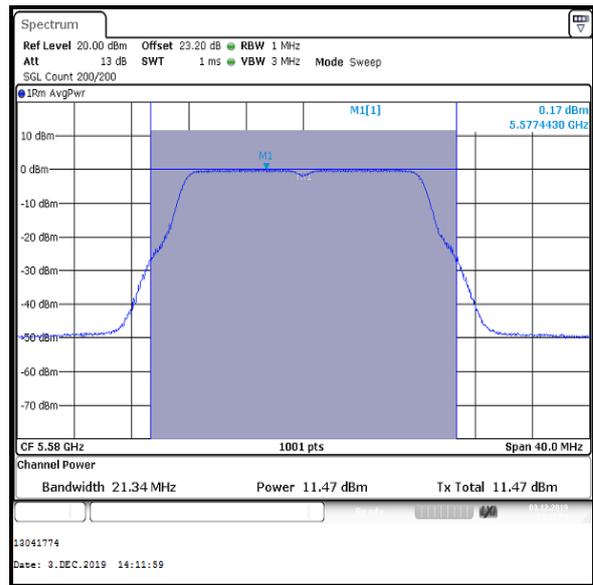
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11a / 20 MHz / SISO / BPSK / 6 Mbps / Core 0**

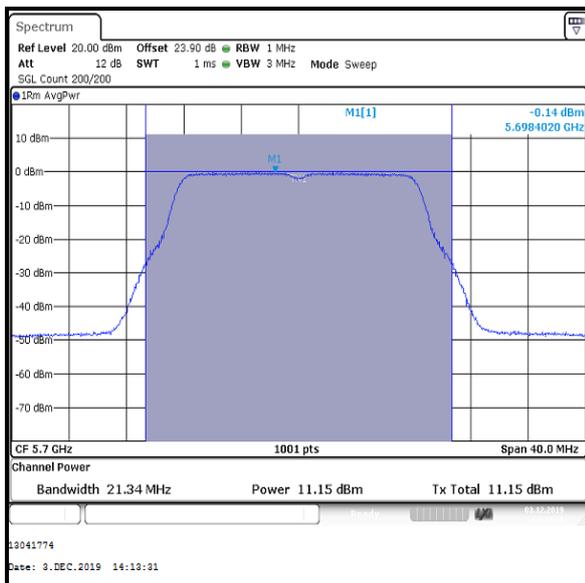
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	11.4	24.0	12.6	Complied
Middle	5580	11.5	24.0	12.5	Complied
Top	5700	11.2	24.0	12.8	Complied



**Bottom Channel**



**Middle Channel**

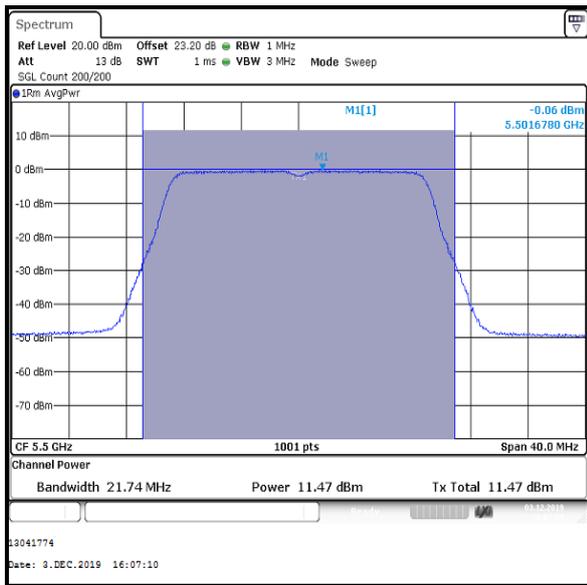


**Top Channel**

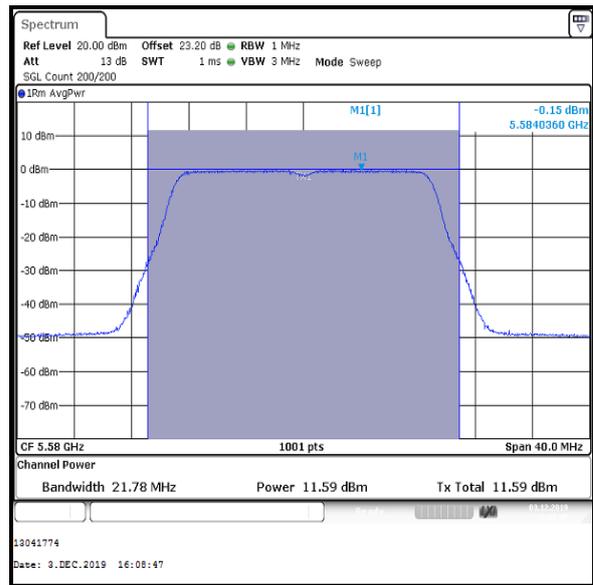
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11n / 20 MHz / SISO / BPSK / MCS0 / Core 0**

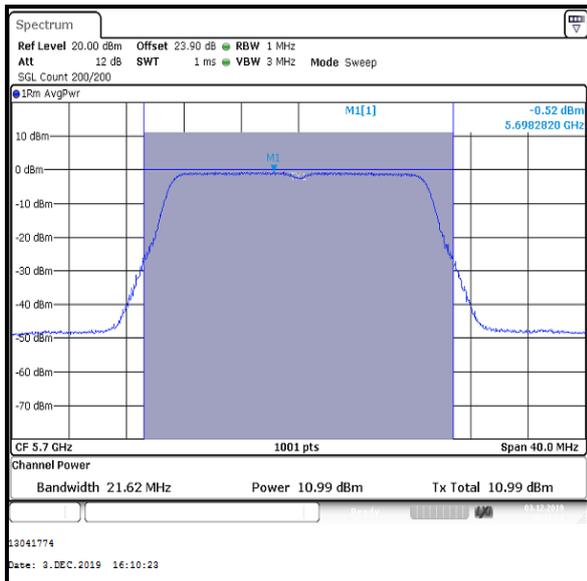
Channel	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	11.5	24.0	12.5	Complied
Middle	5580	11.6	24.0	12.4	Complied
Top	5700	11.0	24.0	13.0	Complied



**Bottom Channel**



**Middle Channel**

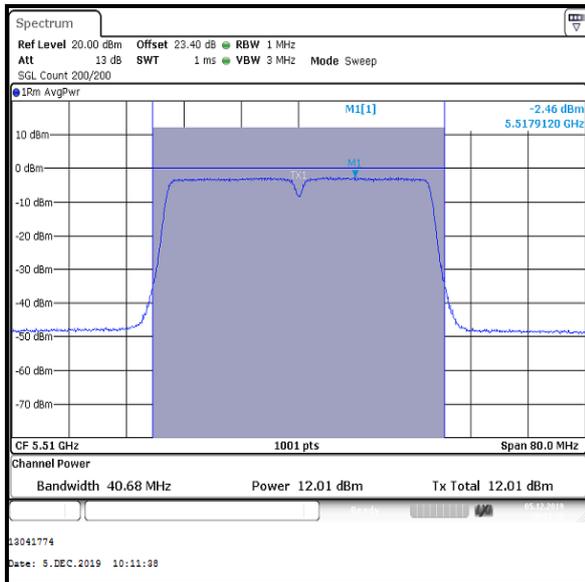


**Top Channel**

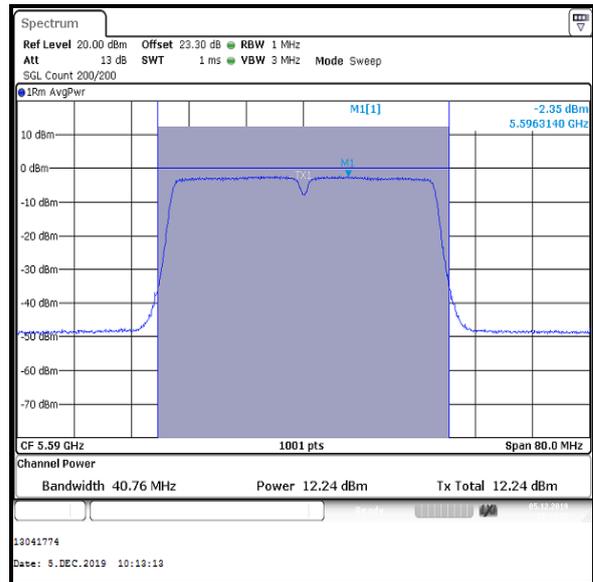
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11n / 40 MHz / SISO / BPSK / MCS0 / Core 0**

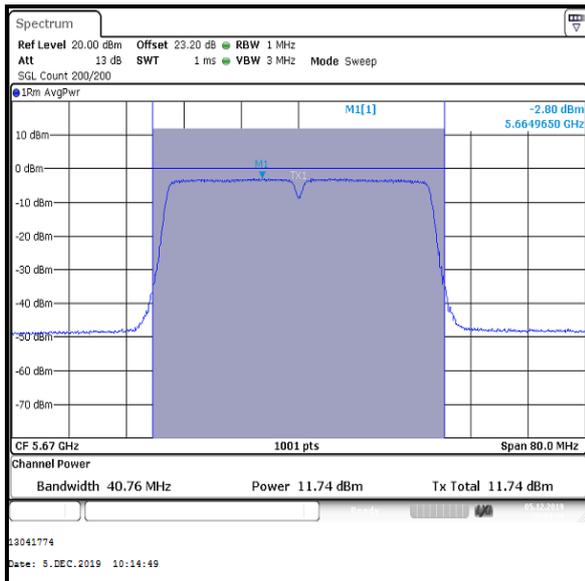
Channel	Frequency (MHz)	Conducted Power (dBm)	Duty cycle correction factor (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	12.0	0.1	12.1	24.0	11.9	Complied
Middle	5590	12.2	0.1	12.3	24.0	11.7	Complied
Top	5670	11.7	0.1	11.8	24.0	12.2	Complied



Bottom Channel



Middle Channel

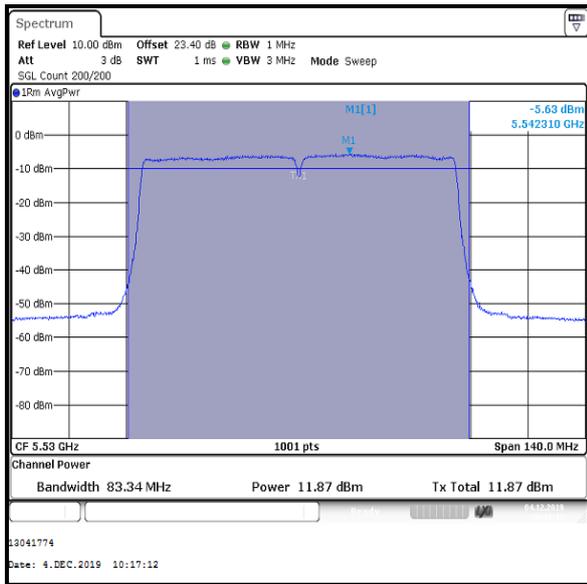


Top Channel

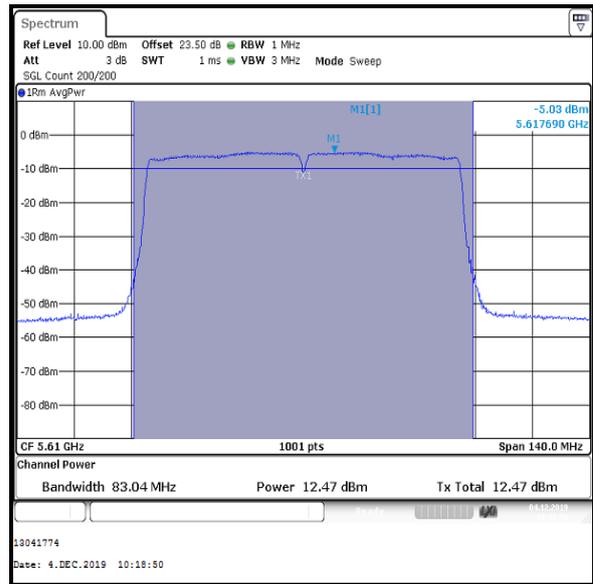
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11ac / 80 MHz / SISO / BPSK / MCS0 / Core 0**

Channel	Frequency (MHz)	Conducted Power (dBm)	Duty cycle correction factor (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	11.9	0.2	12.1	24.0	11.9	Complied
Top	5610	12.5	0.2	12.7	24.0	11.3	Complied



Bottom Channel



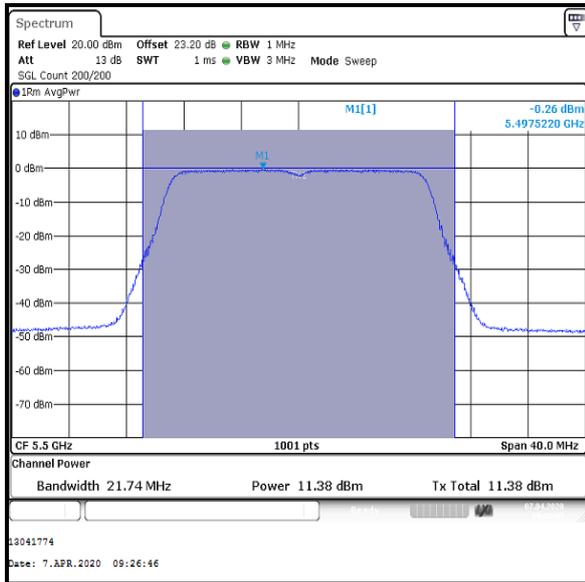
Top Channel

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

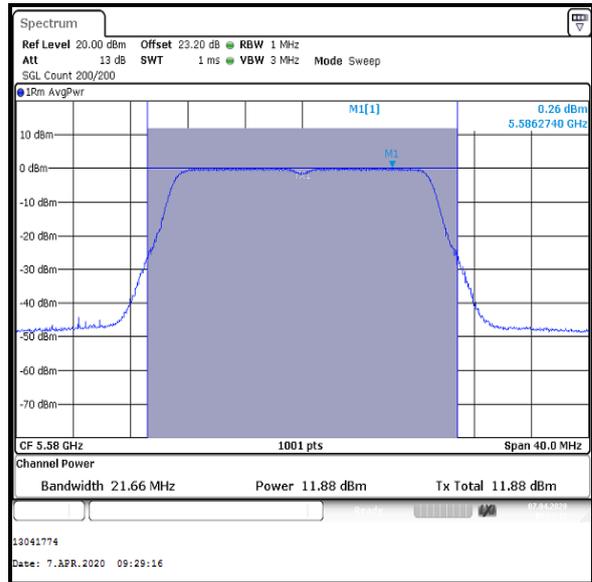
**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

Channel	Frequency (MHz)	Conducted Power Core 0 (dBm)	Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	11.4	11.9	14.7	24.0	9.3	Complied
Middle	5580	11.9	12.1	15.0	24.0	9.0	Complied
Top	5700	11.1	11.1	14.1	24.0	9.9	Complied

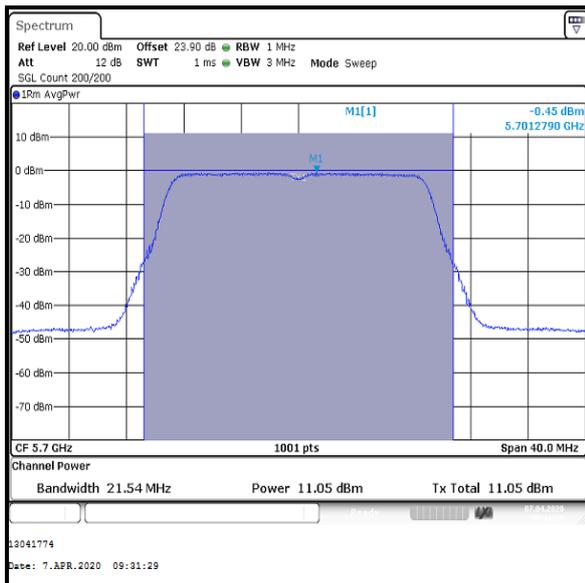
**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Core 0**



Bottom Channel



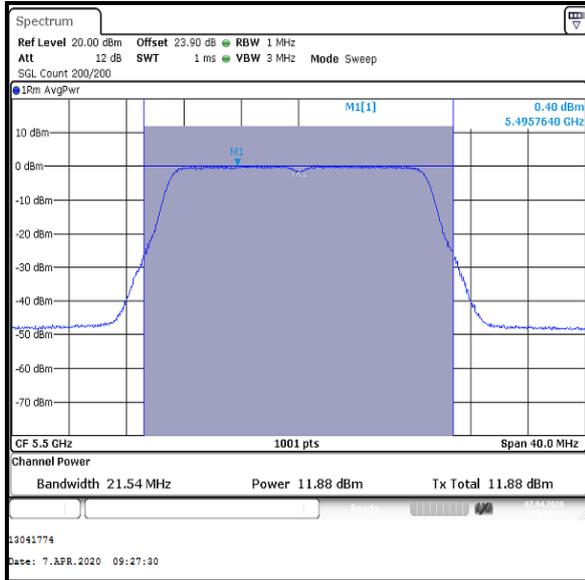
Middle Channel



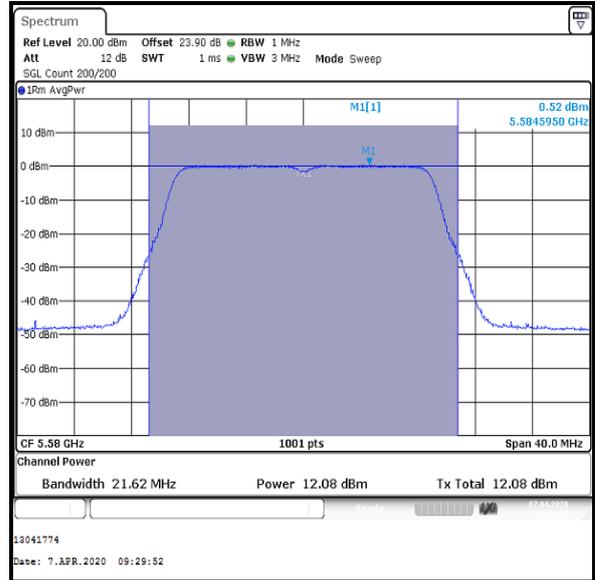
Top Channel

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

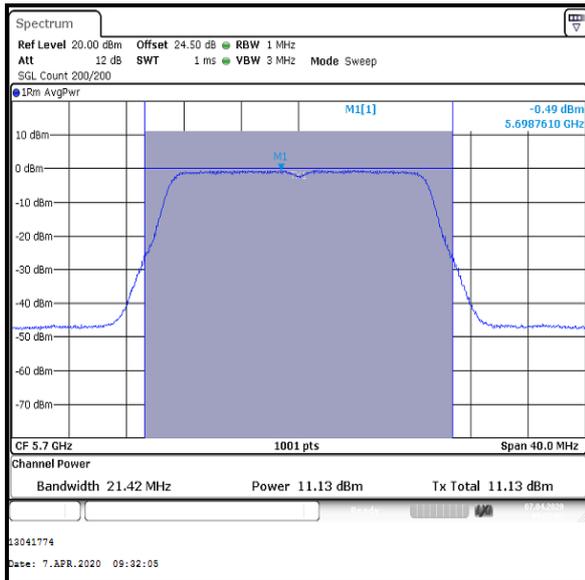
**Results: 802.11n / 20 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Core 1**



**Bottom Channel**



**Middle Channel**



**Top Channel**

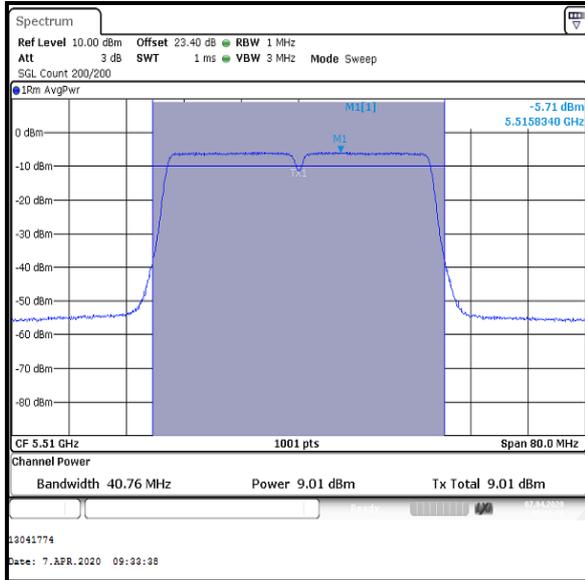
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	5510	9.0	0.1	9.1	9.1	0.1	9.2
Middle	5590	12.0	0.1	12.1	12.2	0.1	12.3
Top	5670	11.6	0.1	11.7	11.9	0.1	12.0

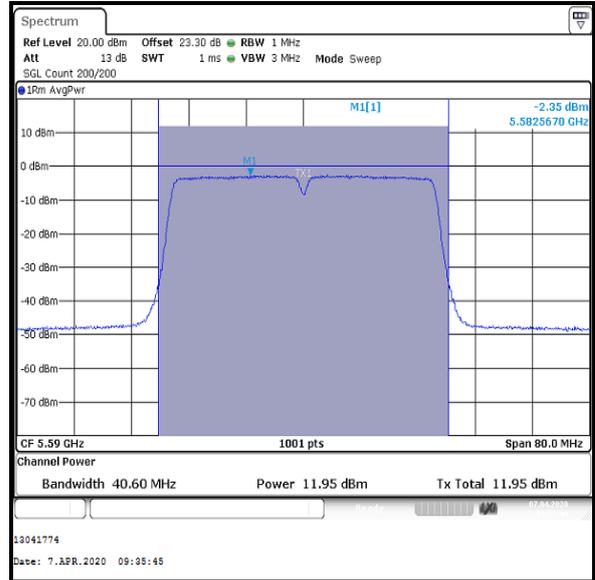
Channel	Frequency (MHz)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	9.1	9.2	12.2	24.0	11.8	Complied
Middle	5590	12.1	12.3	15.2	24.0	8.8	Complied
Top	5670	11.7	12.0	14.9	24.0	9.1	Complied

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

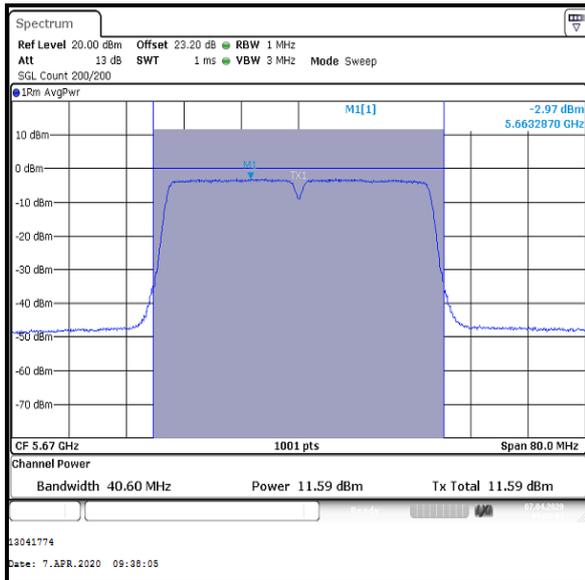
**Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Core 0**



Bottom Channel



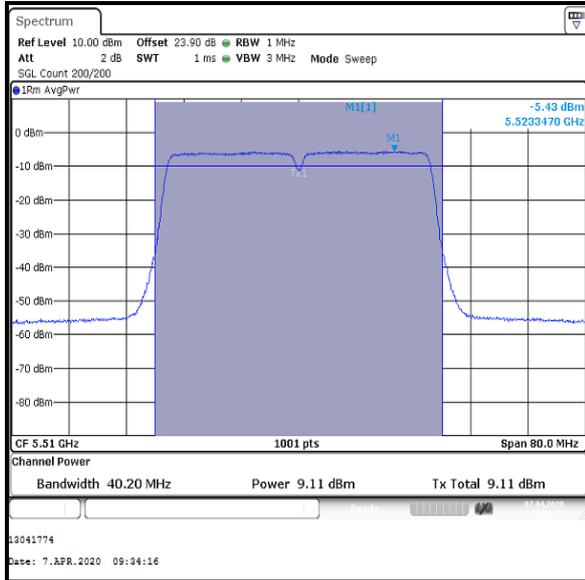
Middle Channel



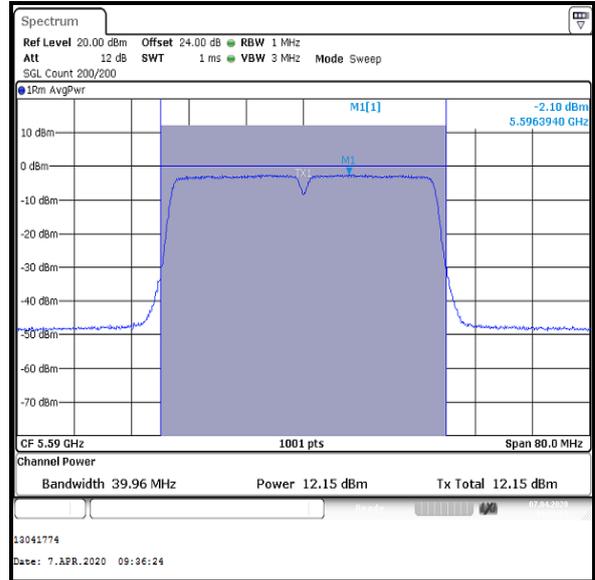
Top Channel

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

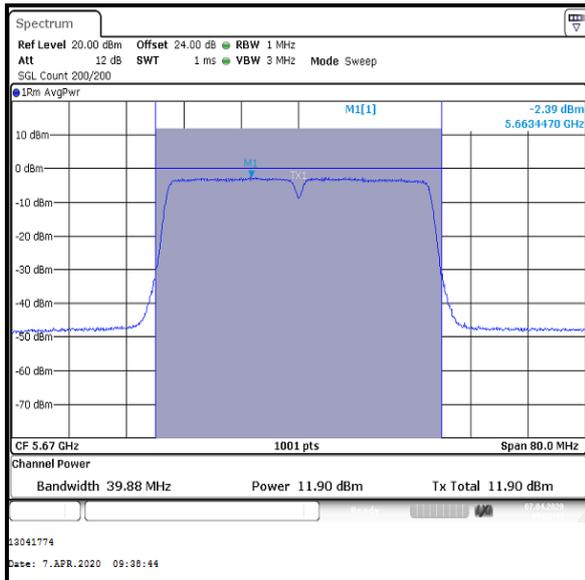
**Results: 802.11n / 40 MHz / MIMO / 2Tx CDD / BPSK / MCS0 / Core 1**



Bottom Channel



Middle Channel



Top Channel

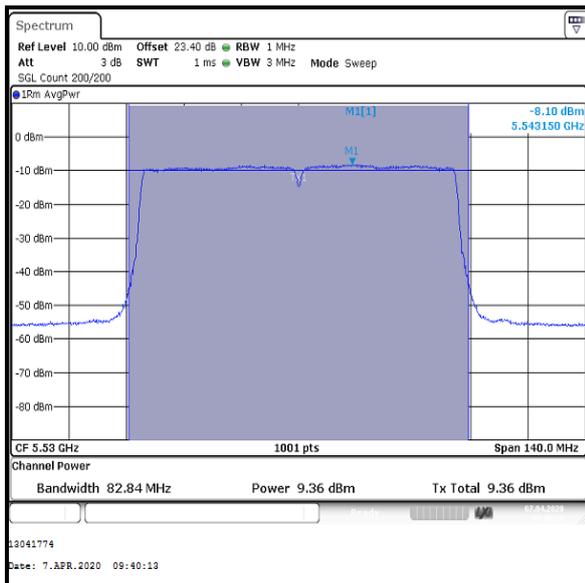
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1**

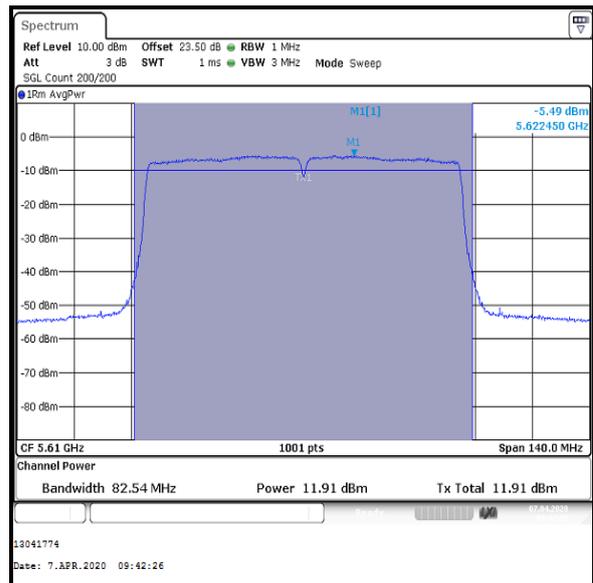
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5530	9.4	0.2	9.6	9.4	0.2	9.6
Top	5610	11.9	0.2	12.1	12.3	0.2	12.5

Channel	Frequency (MHz)	Conducted Power Core 0 (dBm)	Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	9.6	9.6	12.6	24.0	11.4	Complied
Top	5610	12.1	12.5	15.3	24.0	8.7	Complied

**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1 / Core 0**



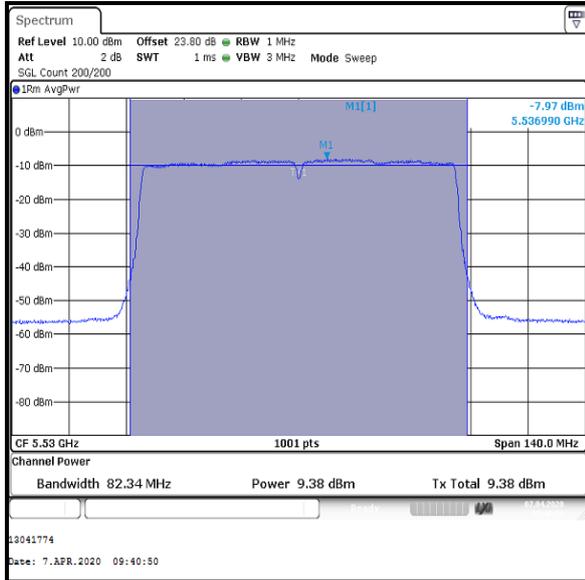
Bottom Channel



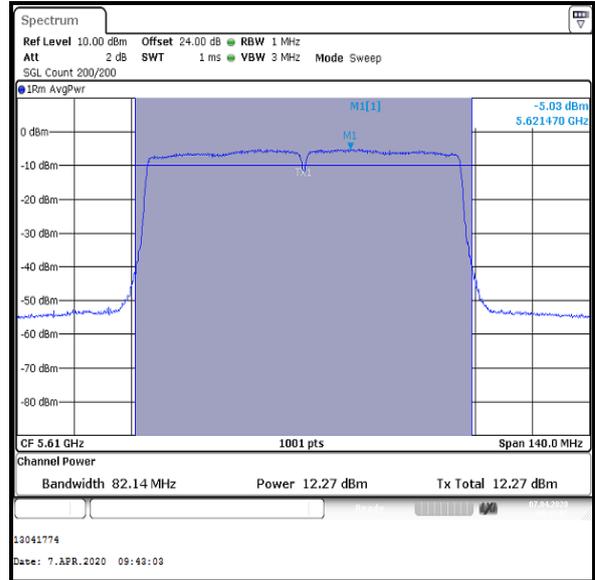
Top Channel

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11ac / 80 MHz / MIMO / 2Tx CDD / BPSK / MCS0x1 / Core 1**



Bottom Channel



Top Channel

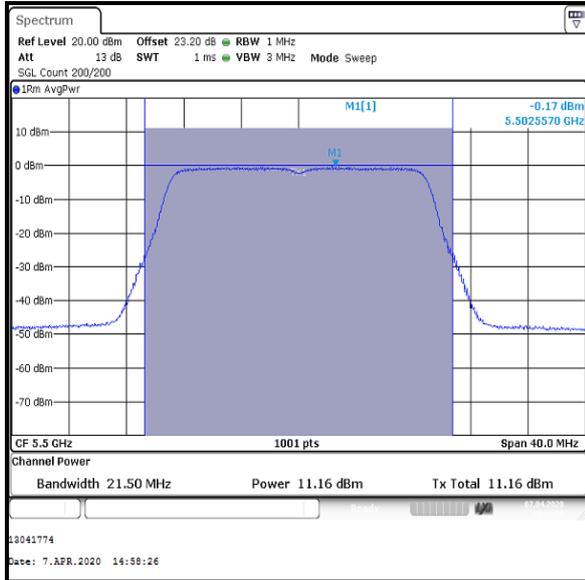
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	5500	11.2	0.1	11.3	11.9	0.1	12.0
Middle	5580	11.6	0.1	11.7	12.1	0.1	12.2
Top	5700	11.6	0.1	11.7	11.9	0.1	12.0

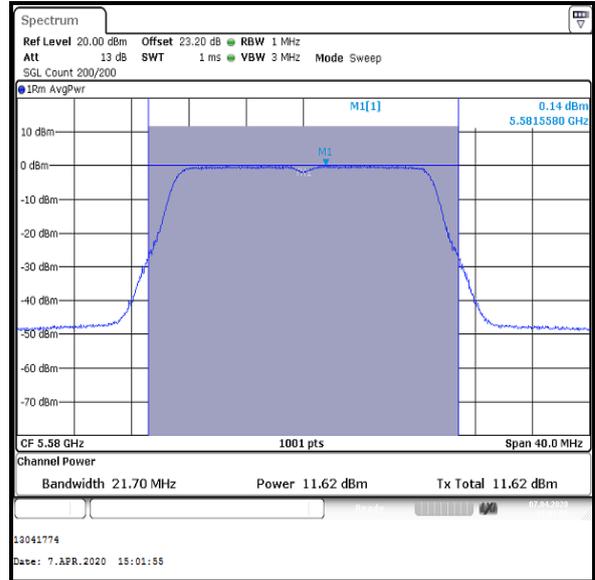
Channel	Frequency (MHz)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	11.3	12.0	14.7	24.0	9.3	Complied
Middle	5580	11.7	12.2	15.0	24.0	9.0	Complied
Top	5700	11.7	12.0	14.9	24.0	9.1	Complied

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

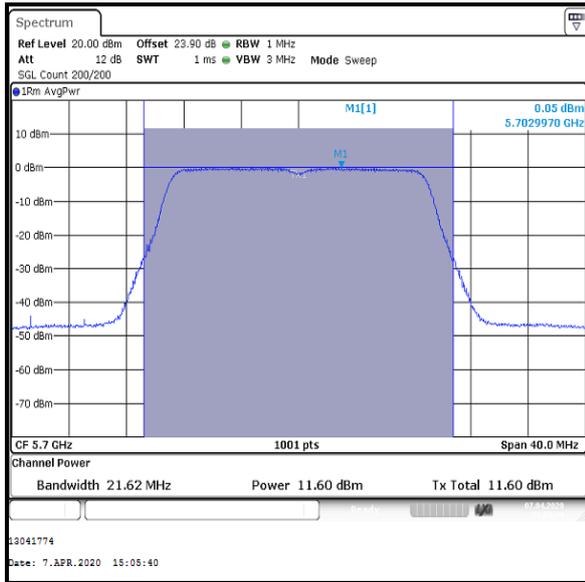
**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Core 0**



Bottom Channel



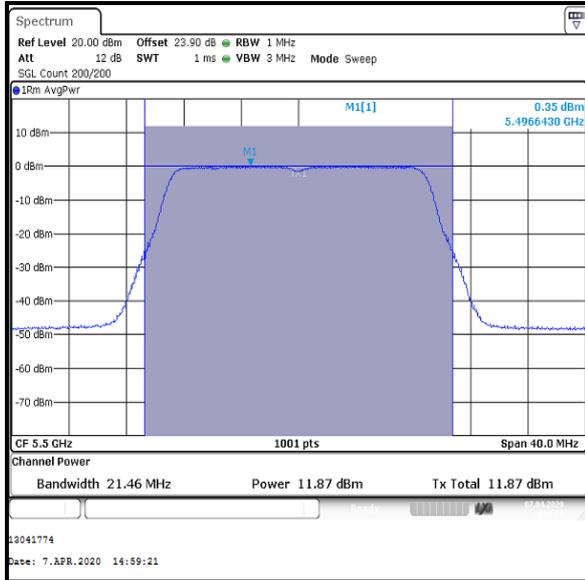
Middle Channel



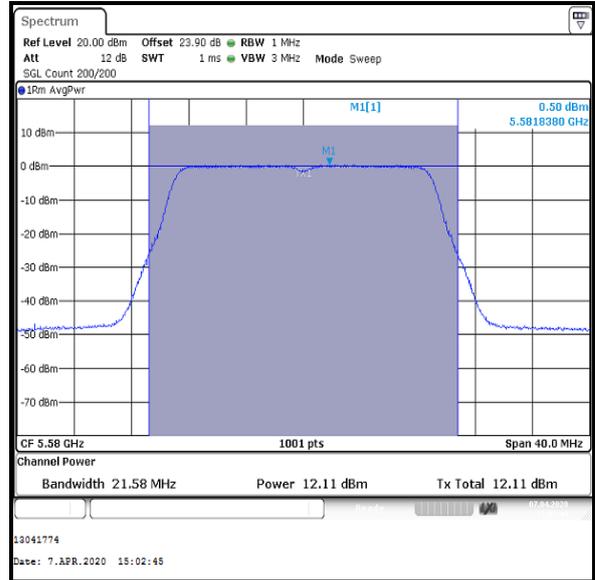
Top Channel

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

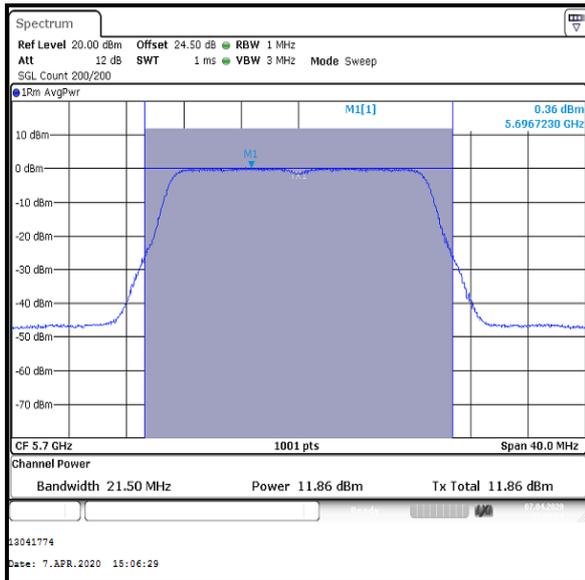
**Results: 802.11n / 20 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Core 1**



**Bottom Channel**



**Middle Channel**



**Top Channel**

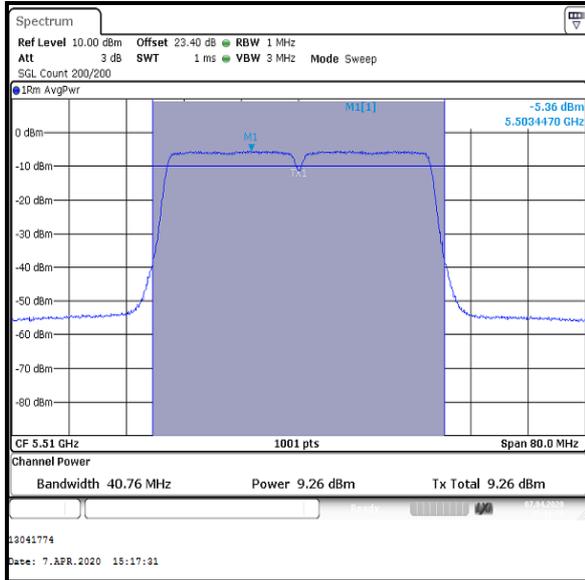
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	5510	9.3	0.2	9.5	9.5	0.2	9.7
Middle	5590	11.7	0.2	11.9	12.1	0.2	12.3
Top	5670	11.4	0.2	11.6	12.0	0.2	12.2

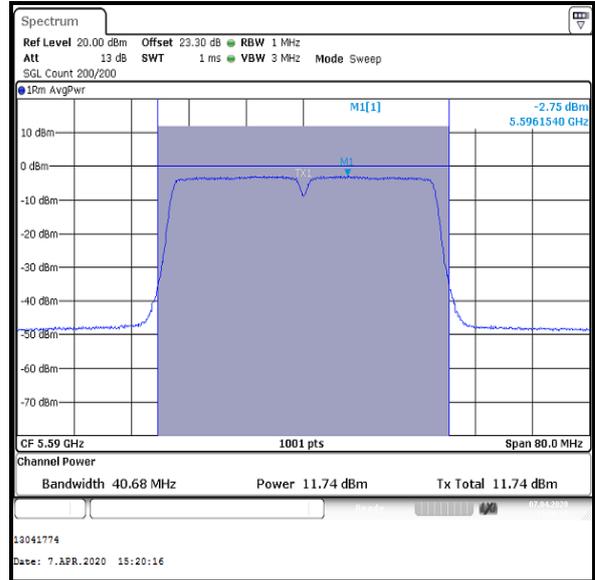
Channel	Frequency (MHz)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	9.5	9.7	12.6	24.0	11.4	Complied
Middle	5590	11.9	12.3	15.1	24.0	8.9	Complied
Top	5670	11.6	12.2	14.9	24.0	9.1	Complied

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

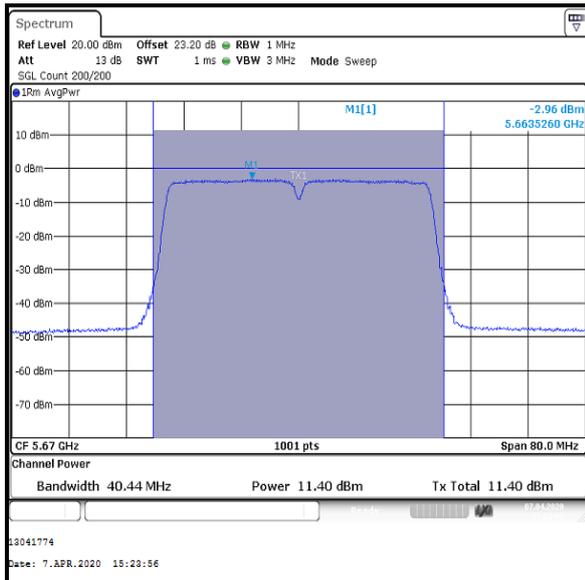
**Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Core 0**



**Bottom Channel**



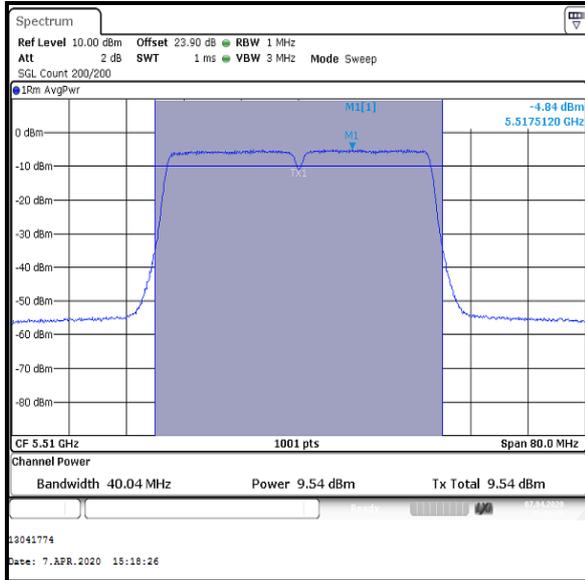
**Middle Channel**



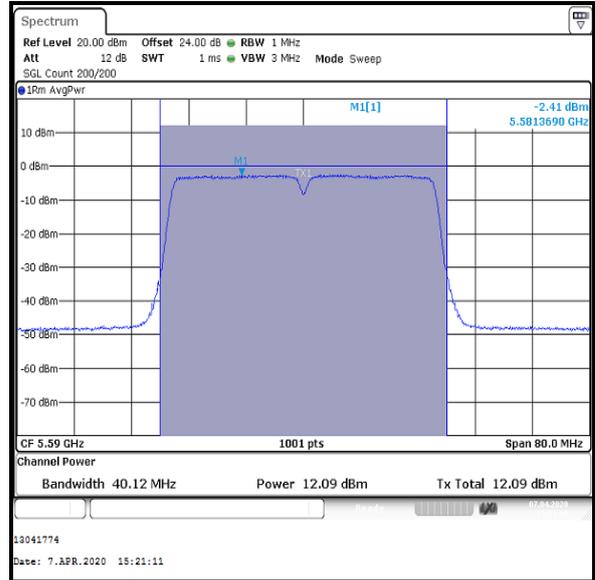
**Top Channel**

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

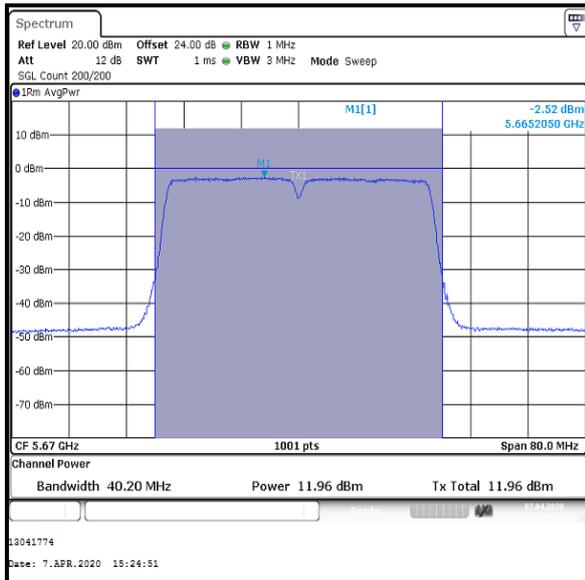
**Results: 802.11n / 40 MHz / MIMO / 2Tx SDM / BPSK / MCS8 / Core 1**



**Bottom Channel**



**Middle Channel**



**Top Channel**

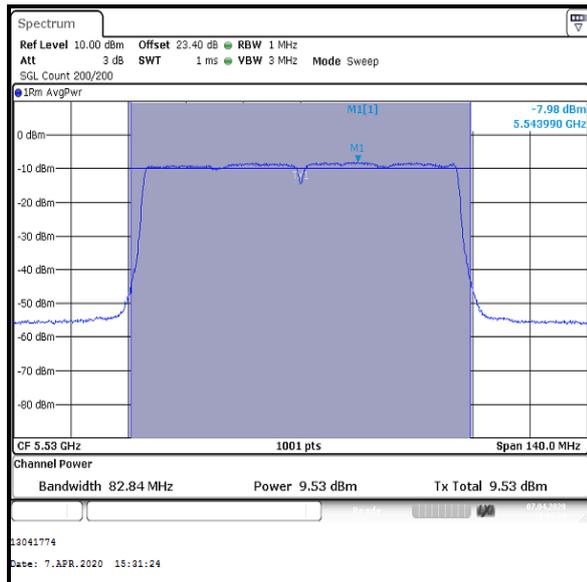
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2**

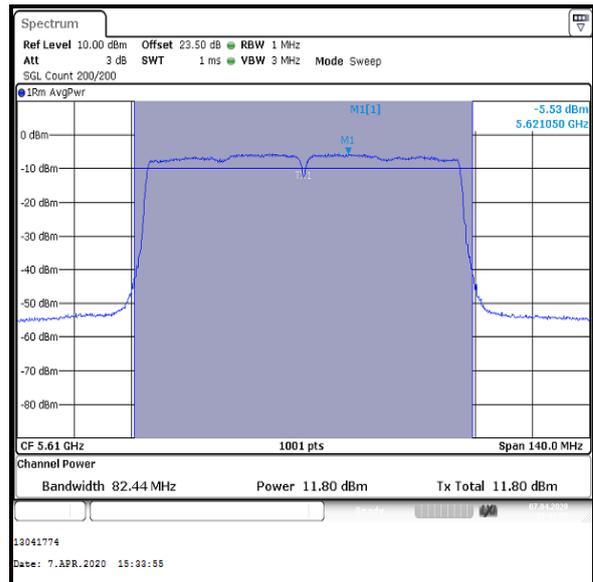
Channel	Frequency (MHz)	Core 0			Core 1		
		Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)	Conducted Power (dBm)	Duty Cycle correction factor (dB)	Corrected Conducted Power (dBm)
Bottom	5530	9.5	0.4	9.9	9.8	0.4	10.2
Top	5610	11.8	0.4	12.2	12.2	0.4	12.6

Channel	Frequency (MHz)	Conducted Power Core 0 (dBm)	Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	9.9	10.2	13.1	24.0	10.9	Complied
Top	5610	12.2	12.6	15.4	24.0	8.6	Complied

**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2 / Core 0**



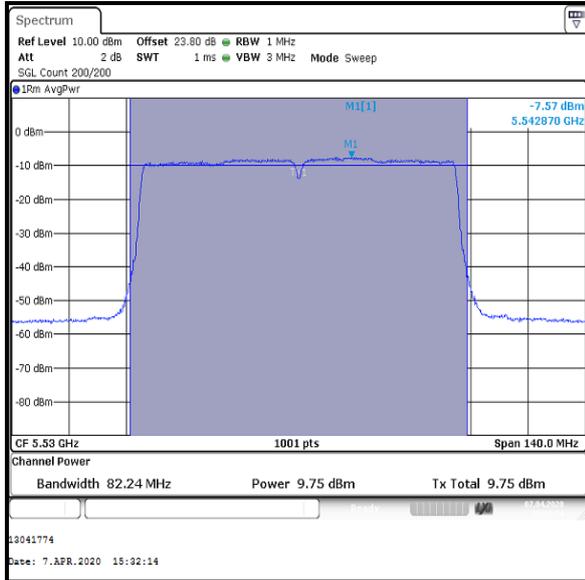
Bottom Channel



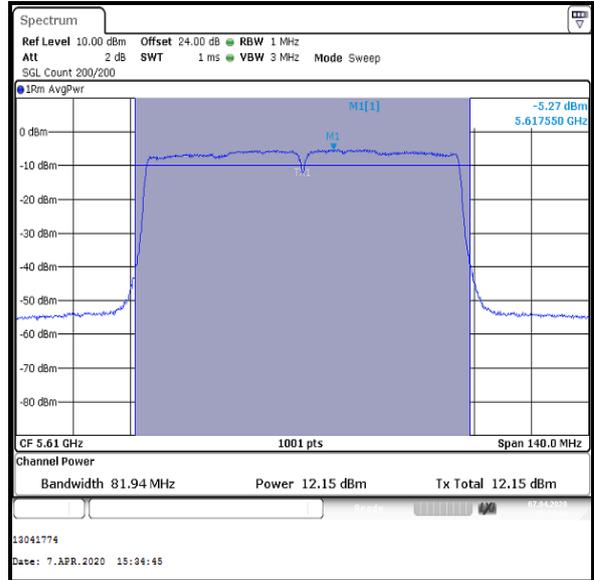
Top Channel

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11ac / 80 MHz / MIMO / 2Tx SDM / BPSK / MCS0x2 / Core 1**



Bottom Channel



Top Channel

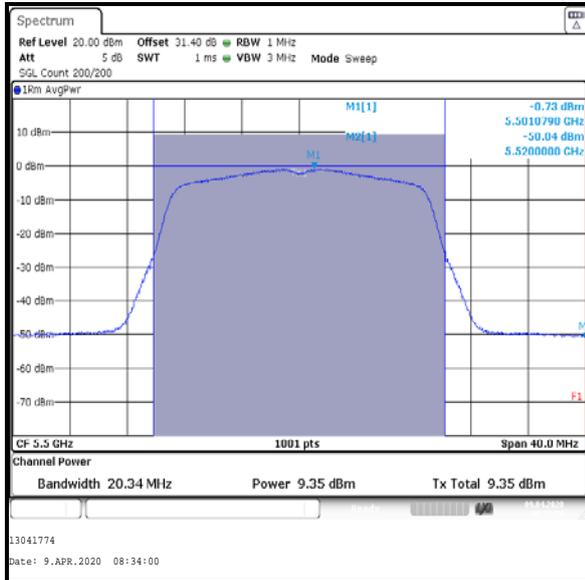
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	5500	9.4	0.1	9.5	9.4	0.1	9.5
Middle	5580	12.4	0.1	12.5	12.5	0.1	12.6
Top	5700	9.5	0.1	9.6	9.3	0.1	9.4

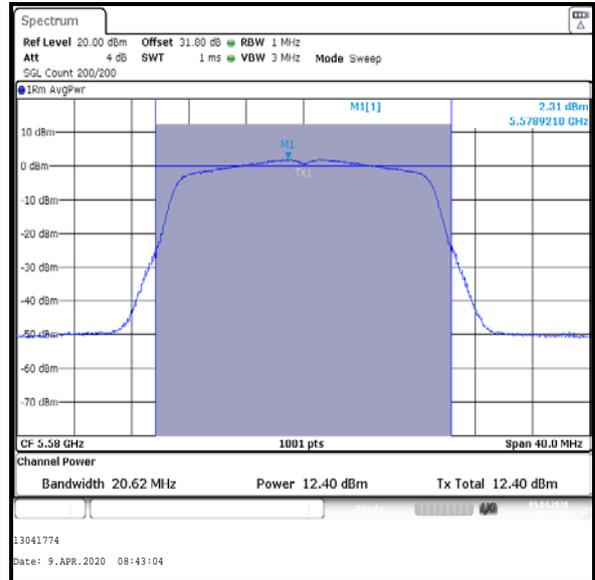
Channel	Frequency (MHz)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	9.5	9.5	12.5	23.2	10.7	Complied
Middle	5580	12.5	12.6	15.6	23.2	7.6	Complied
Top	5700	9.6	9.4	12.5	23.2	10.7	Complied

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

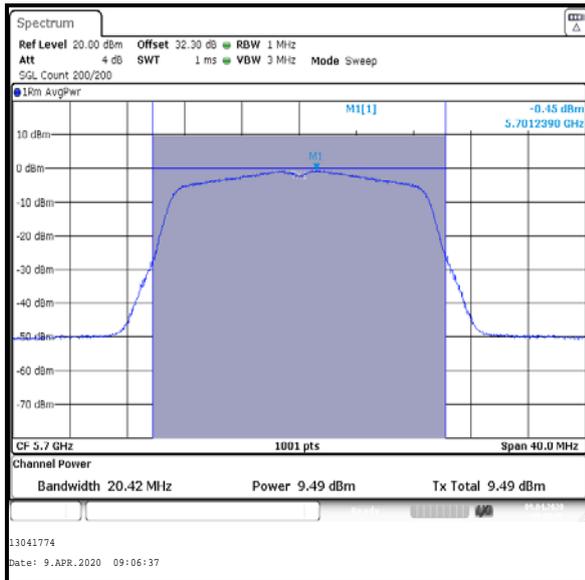
**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Core 0**



**Bottom Channel**



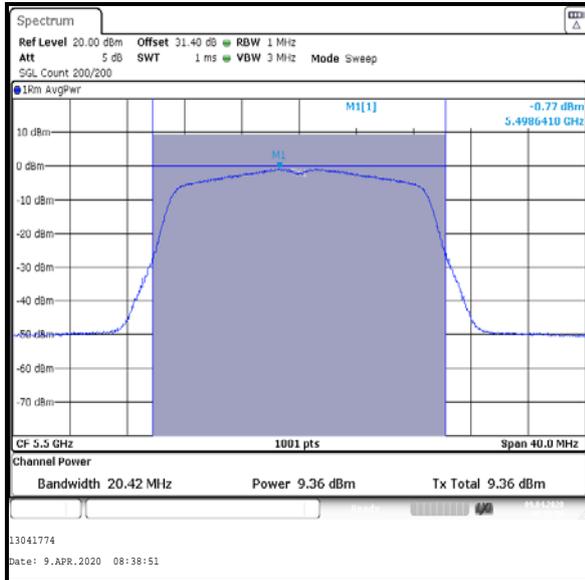
**Middle Channel**



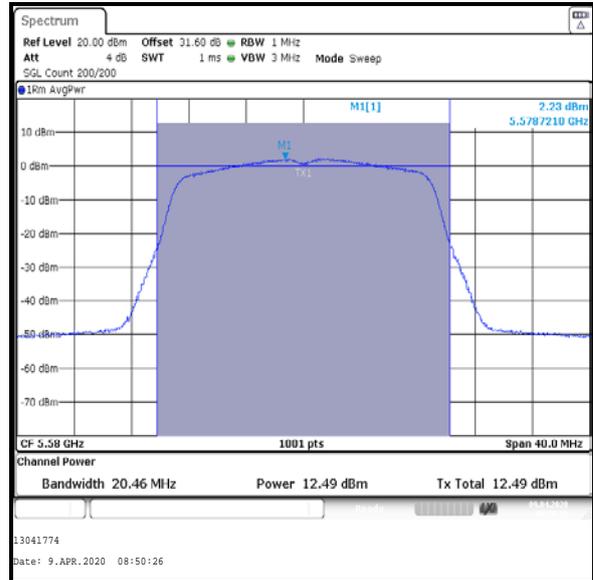
**Top Channel**

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

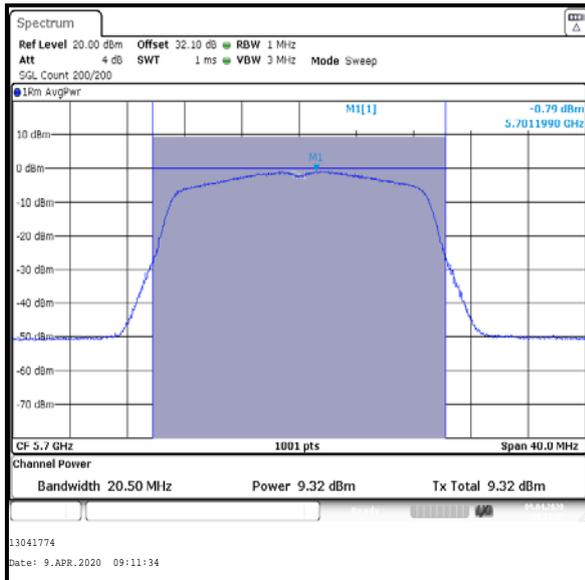
**Results: 802.11n / 20 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Core 1**



**Bottom Channel**



**Middle Channel**



**Top Channel**

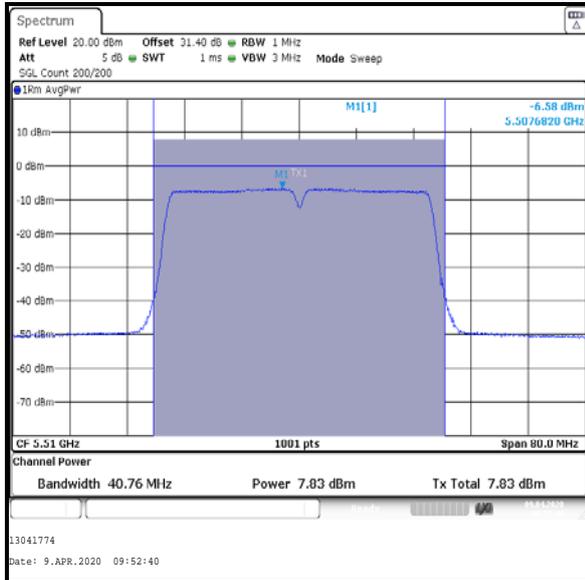
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)****Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	5510	7.8	0.1	7.9	7.8	0.1	7.9
Middle	5590	12.6	0.1	12.7	12.4	0.1	12.5
Top	5670	10.6	0.1	10.7	10.2	0.1	10.3

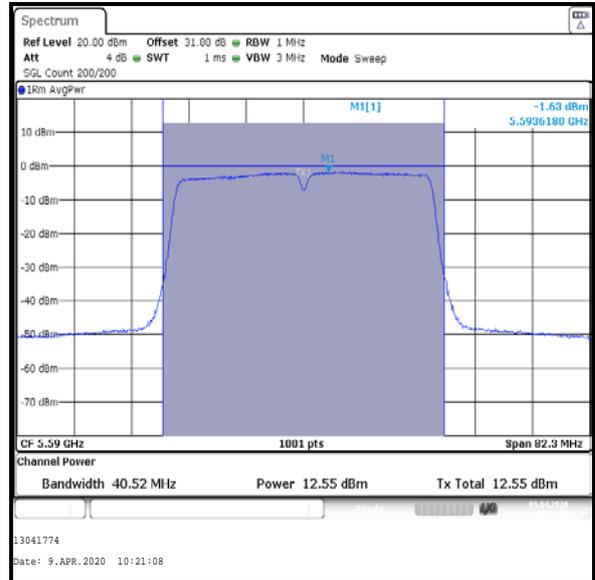
Channel	Frequency (MHz)	Corrected Conducted Power Core 0 (dBm)	Corrected Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5510	7.9	7.9	10.9	23.2	12.3	Complied
Middle	5590	12.7	12.5	15.6	23.2	7.6	Complied
Top	5670	10.7	10.3	13.5	23.2	9.7	Complied

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

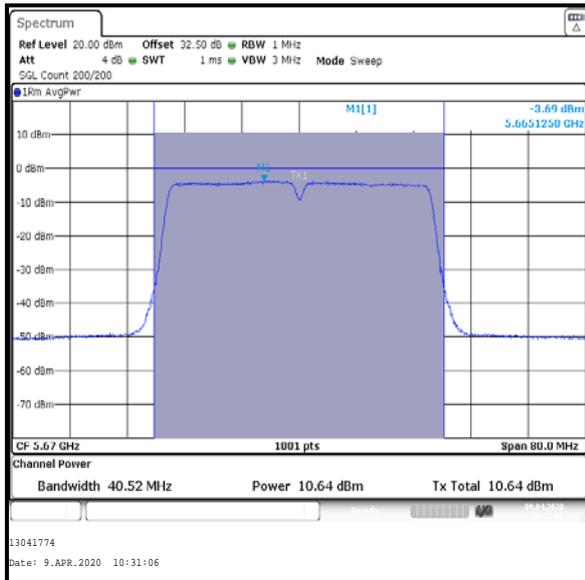
**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Core 0**



**Bottom Channel**



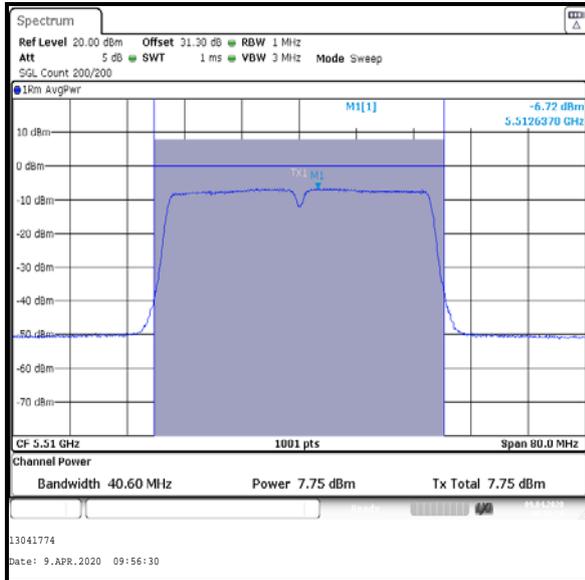
**Middle Channel**



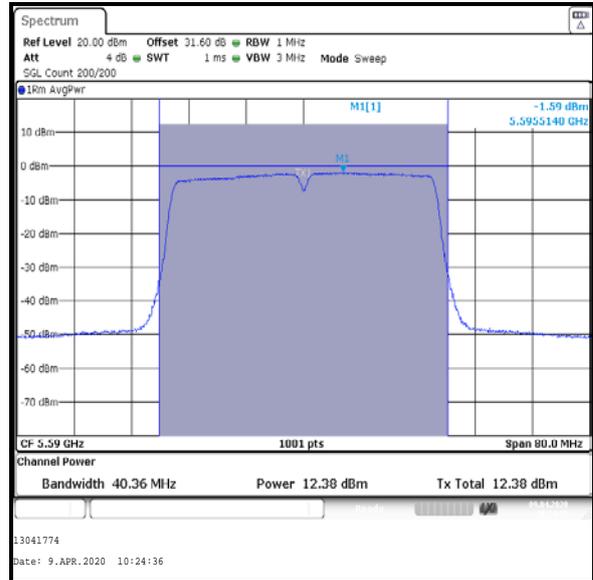
**Top Channel**

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

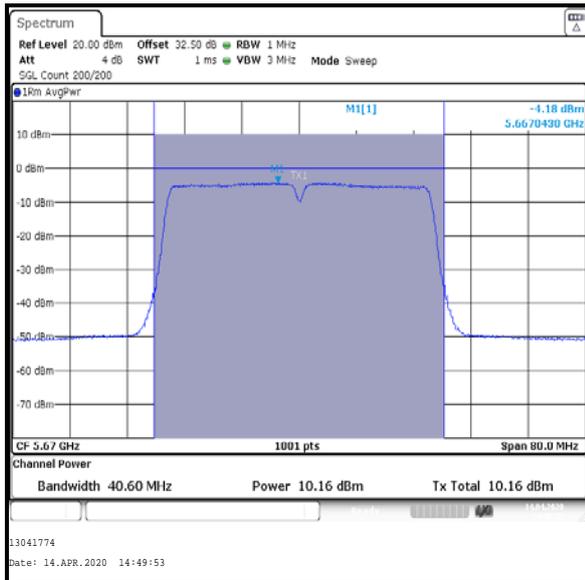
**Results: 802.11n / 40 MHz / MIMO / 2Tx TXBF / BPSK / MCS0 / Core 1**



Bottom Channel



Middle Channel



Top Channel

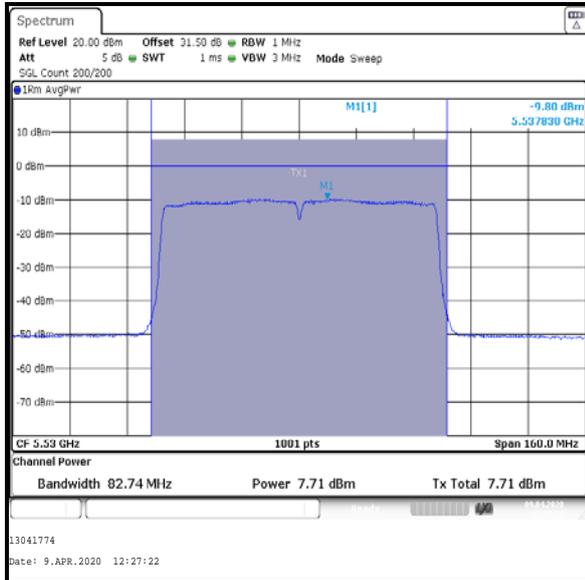
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)****Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1**

Channel	Frequency (MHz)	Core 0			Core 1		
		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	5530	7.7	0.1	7.8	7.5	0.1	7.6
Top	5610	12.2	0.1	12.3	11.7	0.1	11.8

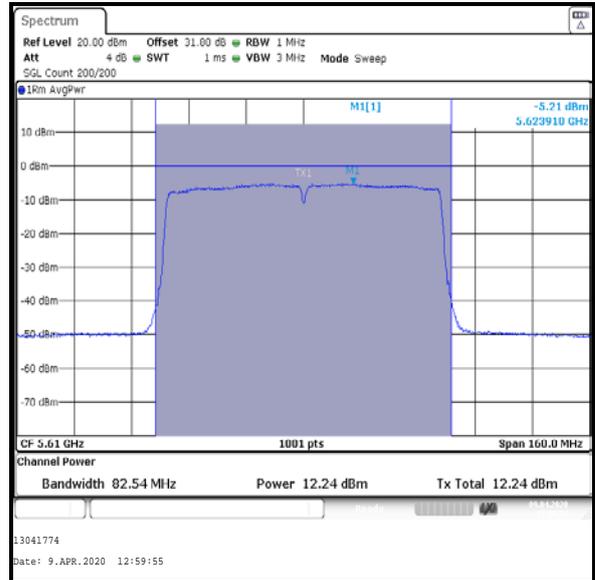
Channel	Frequency (MHz)	Conducted Power Core 0 (dBm)	Conducted Power Core 1 (dBm)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5530	7.8	7.6	10.7	23.2	12.5	Complied
Top	5610	12.3	11.8	15.1	23.2	8.1	Complied

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

**Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1 / Core 0**

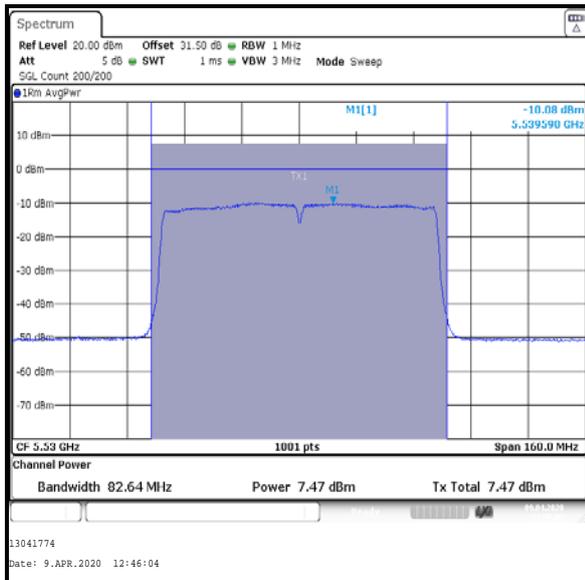


Bottom Channel

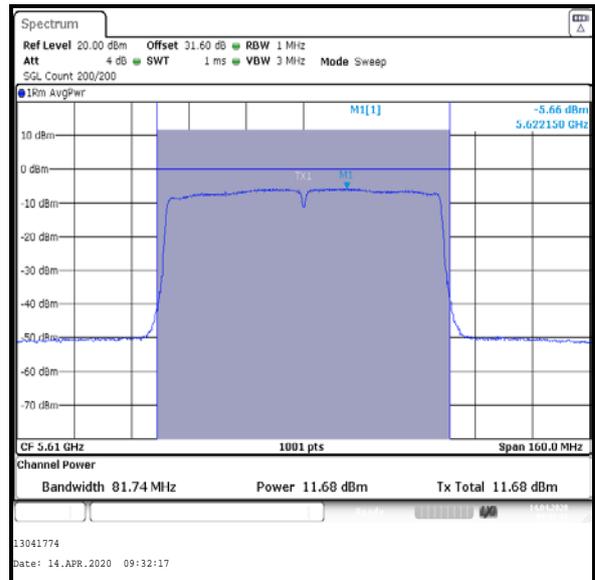


Top Channel

**Results: 802.11ac / 80 MHz / MIMO / 2Tx TXBF / BPSK / MCS0x1 / Core 0**



Bottom Channel



Top Channel

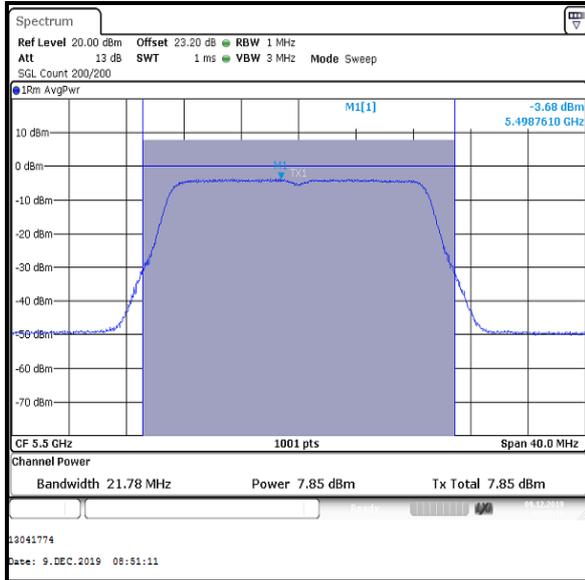
**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)****Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0**

Channel	Frequency (MHz)	Conducted Power Core 0 (dBm)	Conducted Power Core 1 (dBm)	Conducted Power Core 2 (dBm)	Combined Conducted Power (dBm)
Bottom	5500	7.9	8.4	8.9	13.2
Middle	5580	11.0	11.3	12.0	16.2
Top	5700	8.0	8.4	9.0	13.3

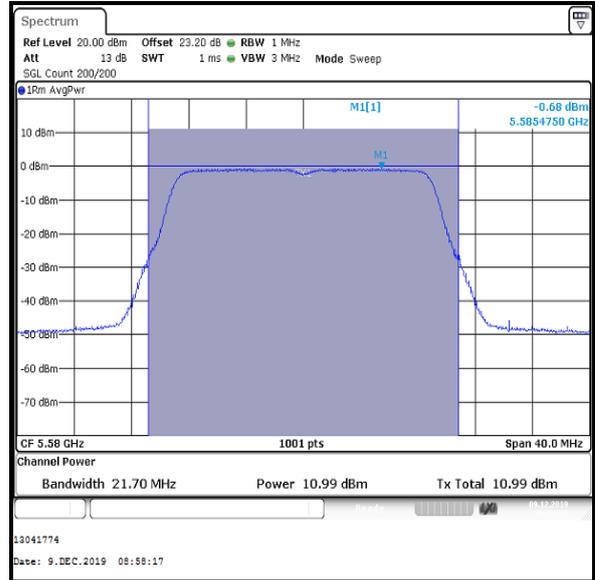
Channel	Frequency (MHz)	Combined Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	5500	13.2	24.0	10.8	Complied
Middle	5580	16.2	24.0	7.8	Complied
Top	5700	13.3	24.0	10.7	Complied

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

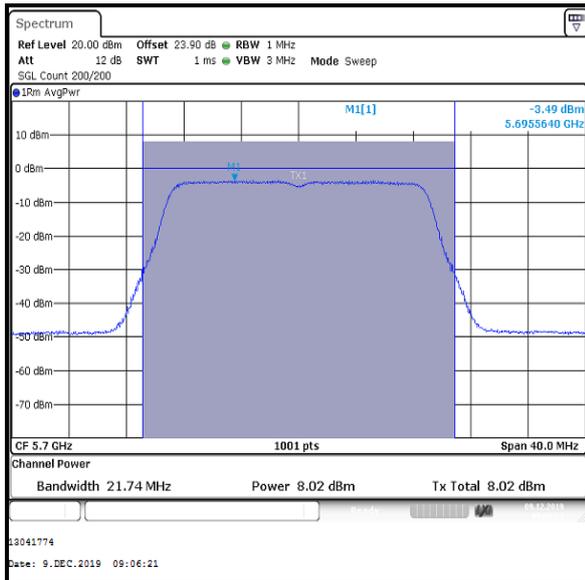
**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 0**



Bottom Channel



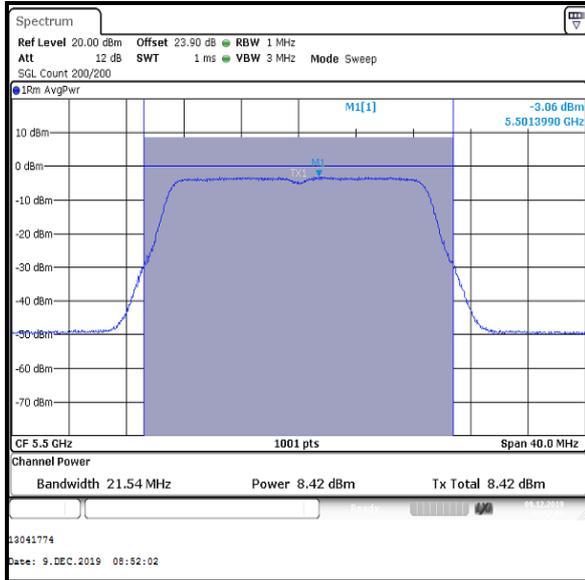
Middle Channel



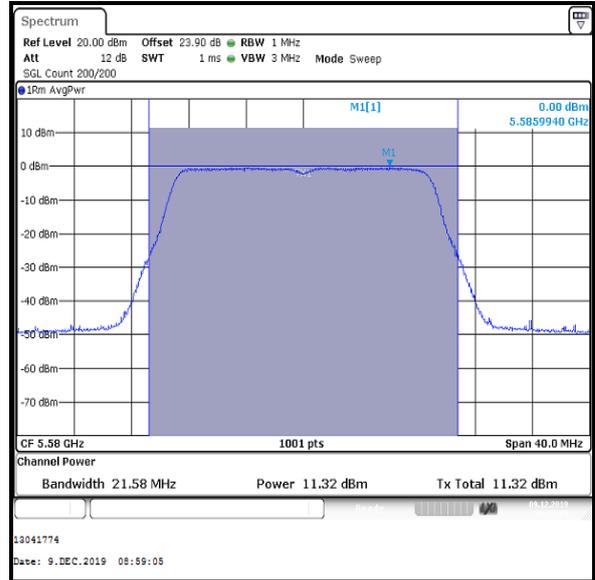
Top Channel

**Transmitter Maximum Conducted Output Power (5.47-5.725 GHz band) (continued)**

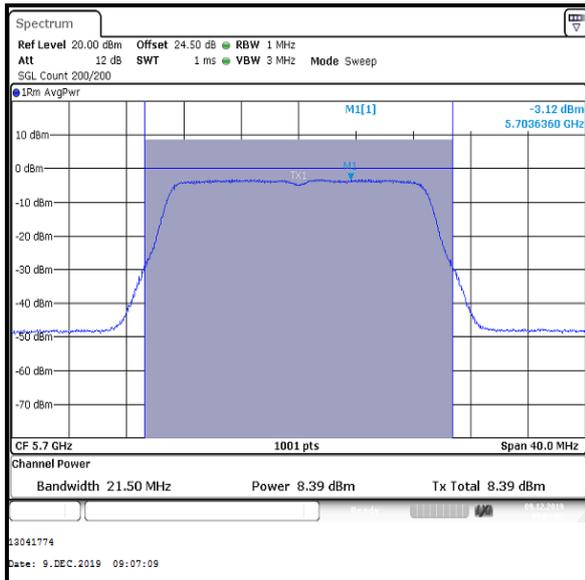
**Results: 802.11n / 20 MHz / MIMO / 3Tx CDD / BPSK / MCS0 / Core 1**



**Bottom Channel**



**Middle Channel**



**Top Channel**