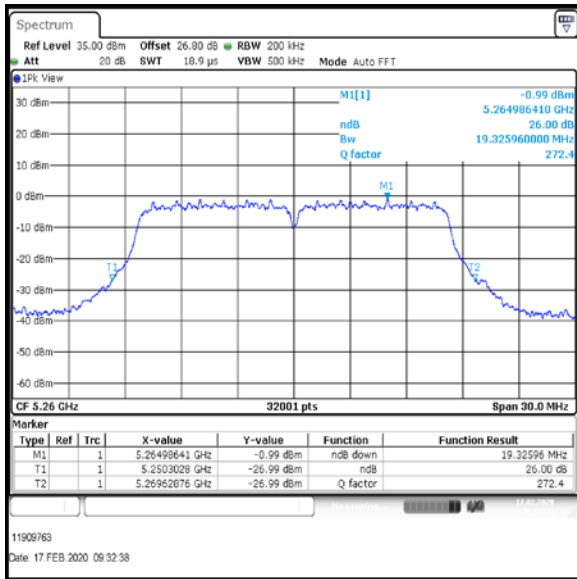


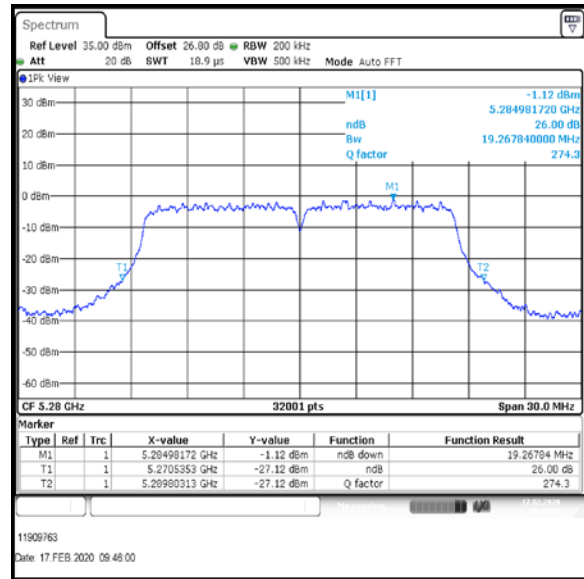
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 12Mbit / MIMO / Port 1+2+3 / Port 1 / PWL 16 / 9 dBi Antenna**

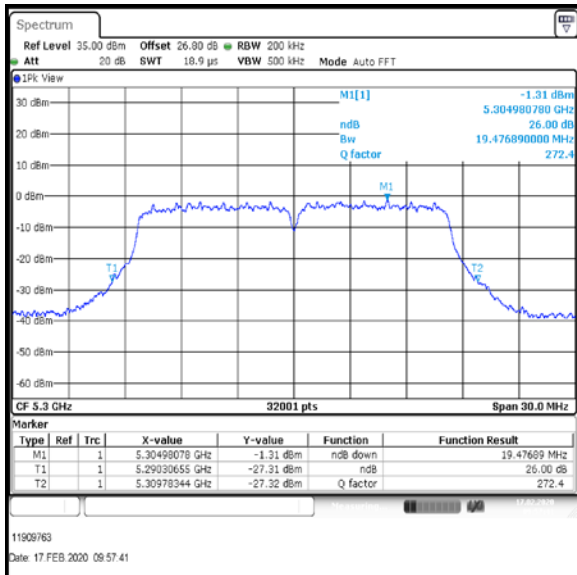
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	19.326
Middle	5280	19.268
Top-1	5300	19.477



Bottom Channel



Middle Channel



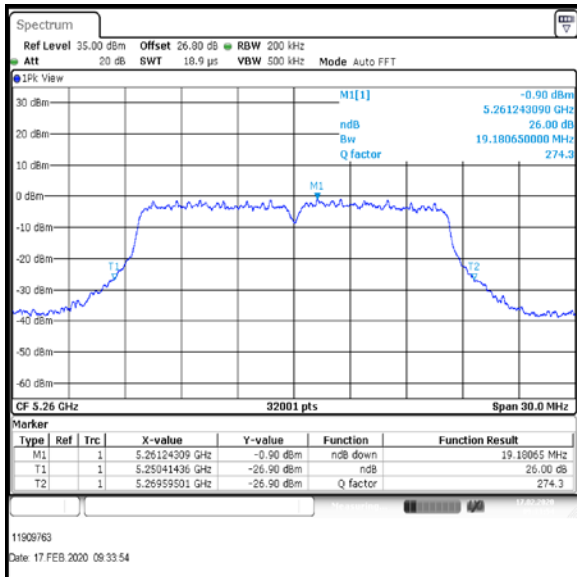
Top-1 Channel

Result: **Pass**

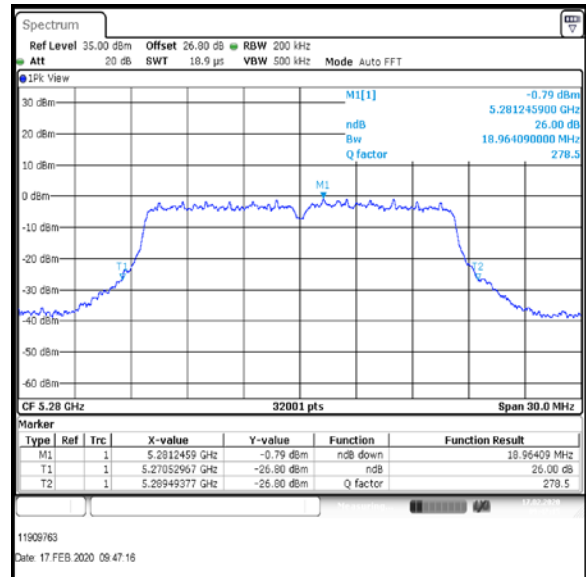
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 12Mbit / MIMO / Port 1+2+3 / Port 2 / PWL 16 / 9 dBi Antenna**

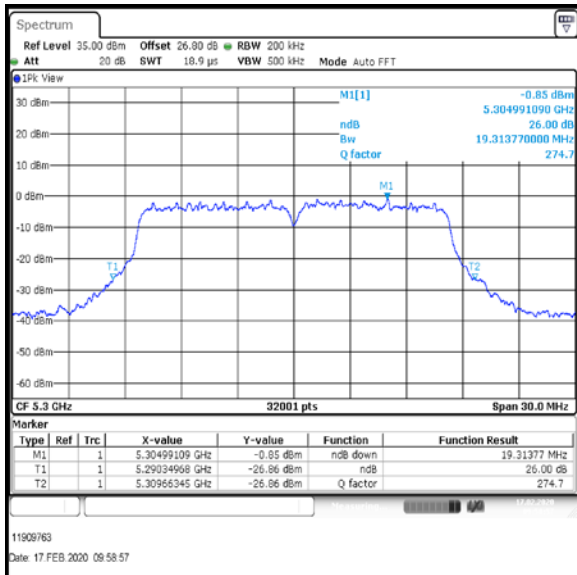
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	19.181
Middle	5280	18.964
Top-1	5300	19.314



Bottom Channel



Middle Channel



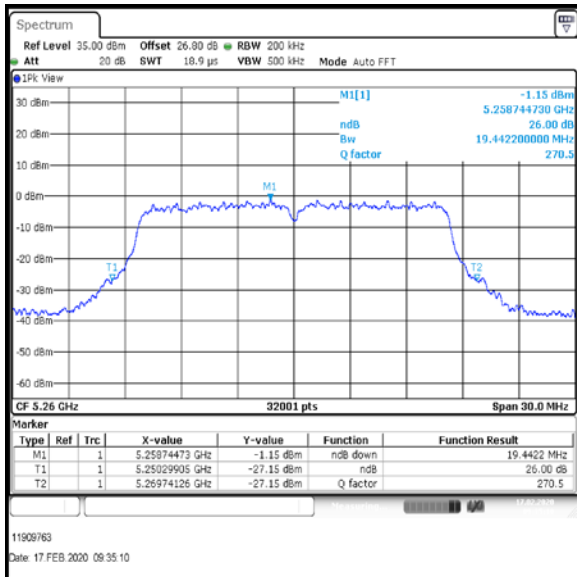
Top-1 Channel

Result: **Pass**

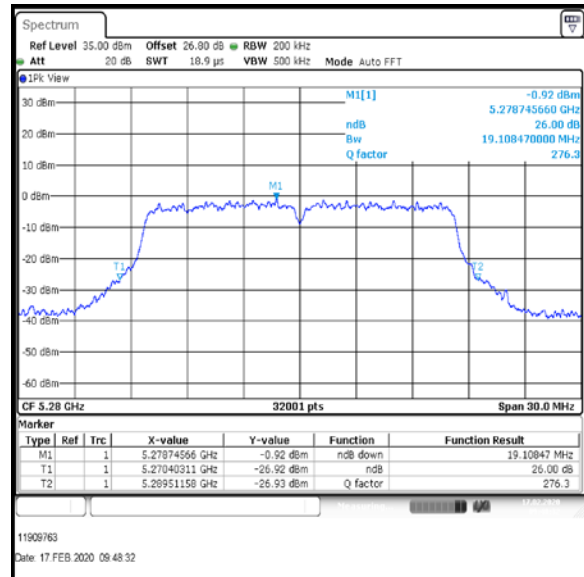
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 12Mbit / MIMO / Port 1+2+3 / Port 3 / PWL 16 / 9 dBi Antenna**

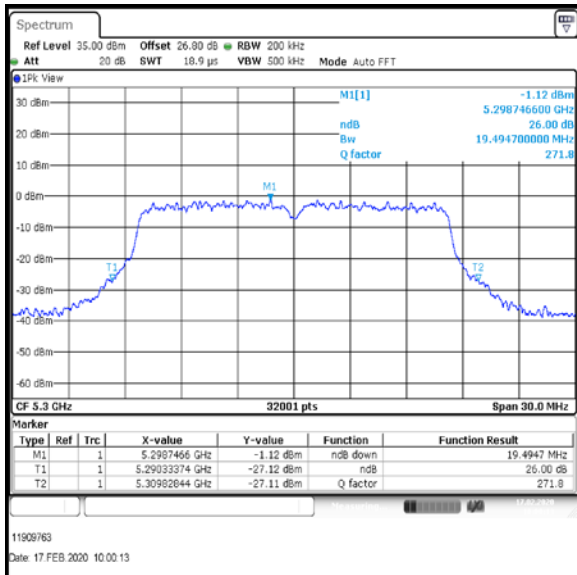
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	19.442
Middle	5280	19.108
Top-1	5300	19.495



Bottom Channel



Middle Channel



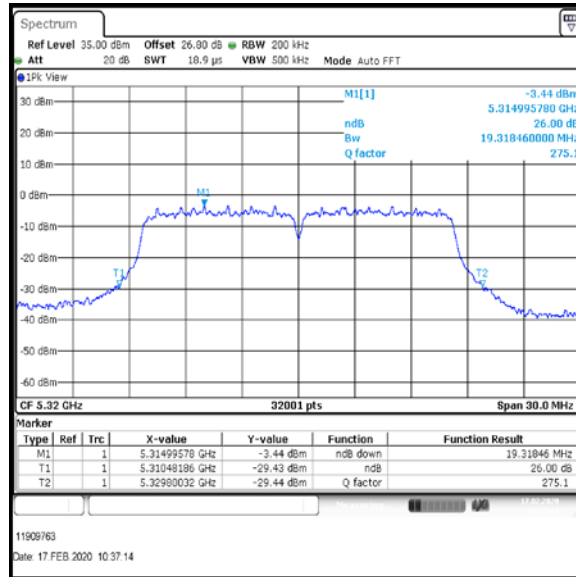
Top-1 Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 12Mbit / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	19.318



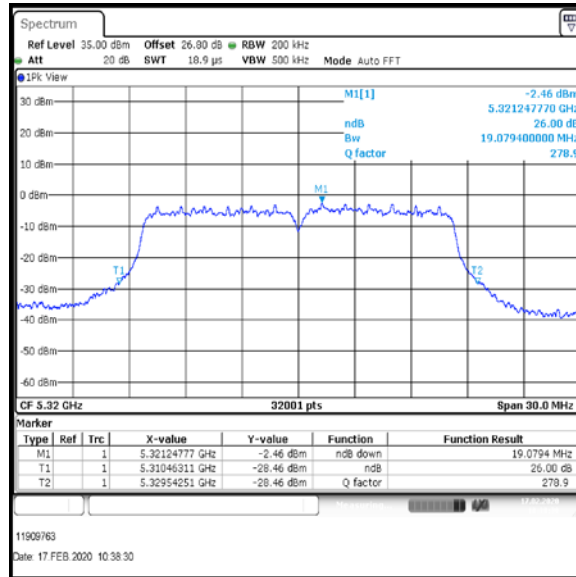
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 12Mbit / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	19.079



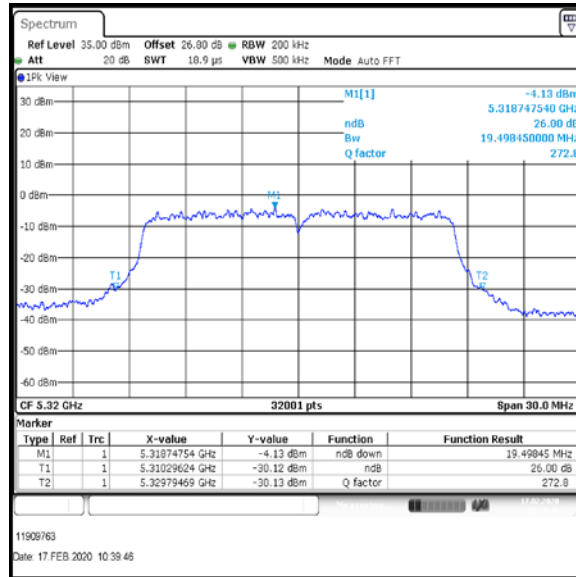
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 12Mbit / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	19.498



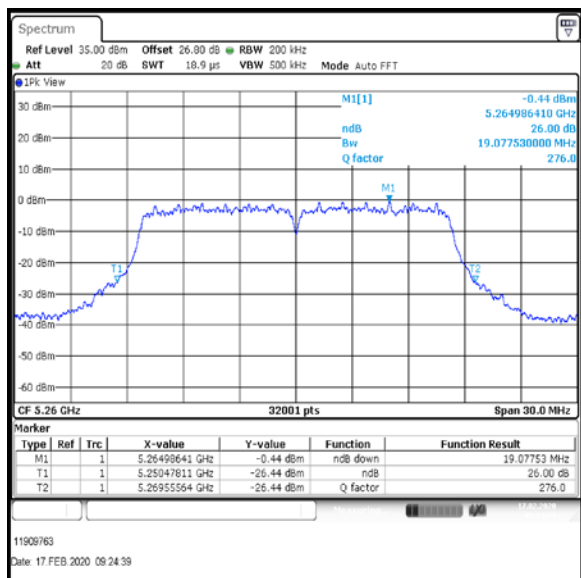
Top Channel

Result: **Pass**

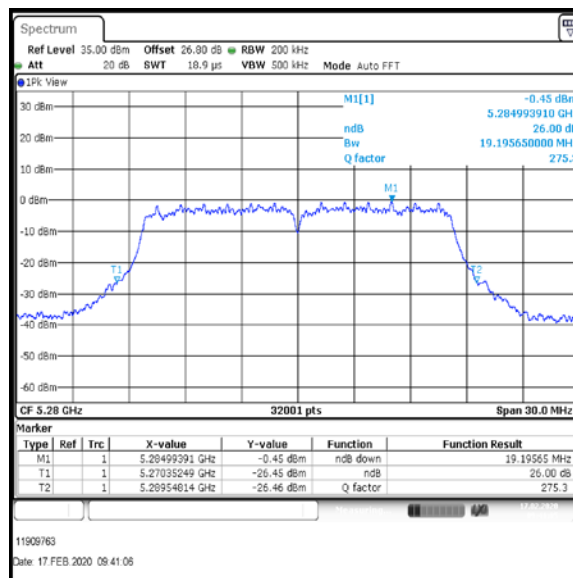
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 9Mbit / MIMO / Port 1+2+3 / Port 1 / PWL 16 / 9 dBi Antenna**

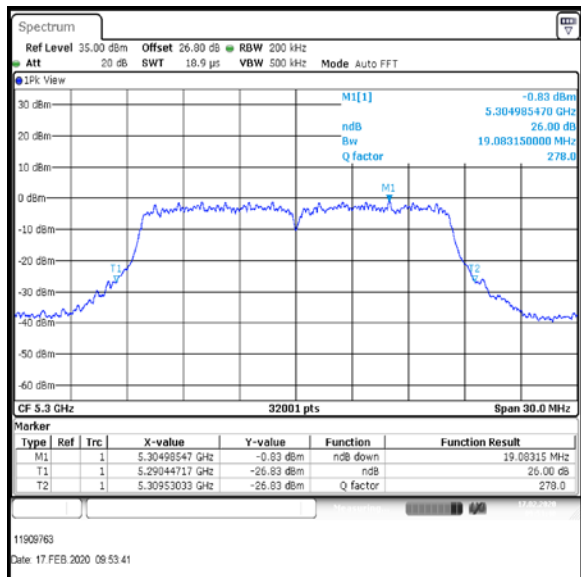
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	19.078
Middle	5280	19.196
Top-1	5300	19.083



Bottom Channel



Middle Channel



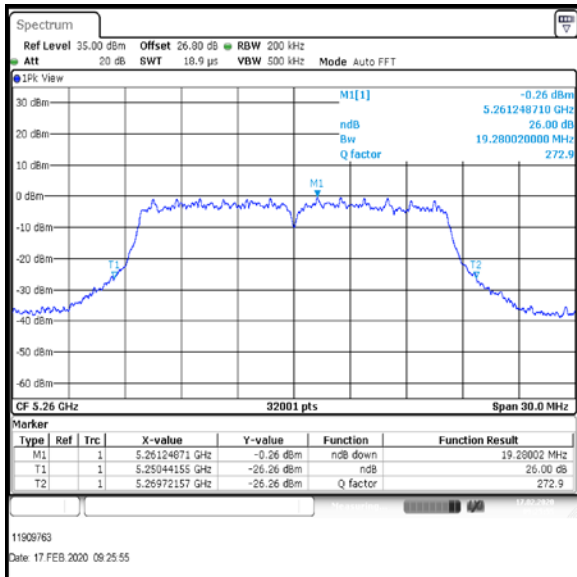
Top-1 Channel

Result: **Pass**

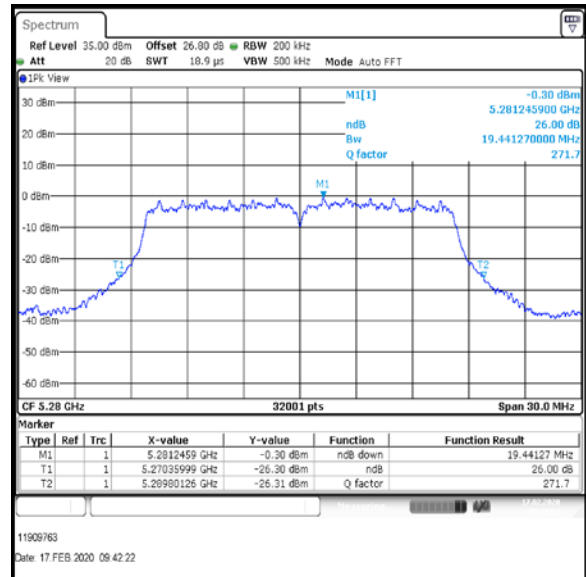
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 9Mbit / MIMO / Port 1+2+3 / Port 2 / PWL 16 / 9 dBi Antenna**

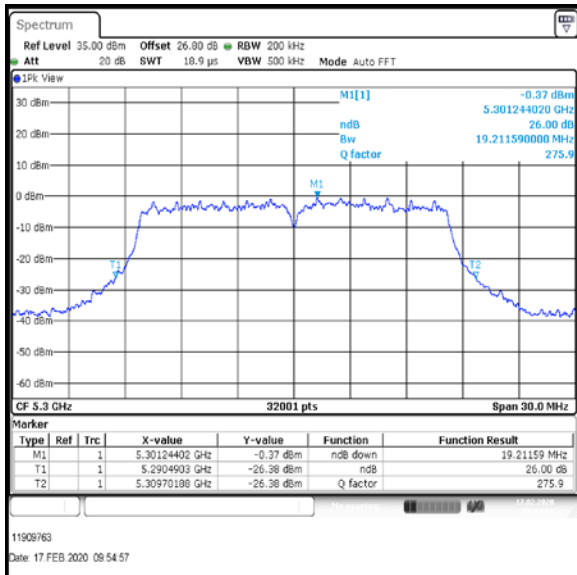
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	19.28
Middle	5280	19.441
Top-1	5300	19.212



Bottom Channel



Middle Channel



Top-1 Channel

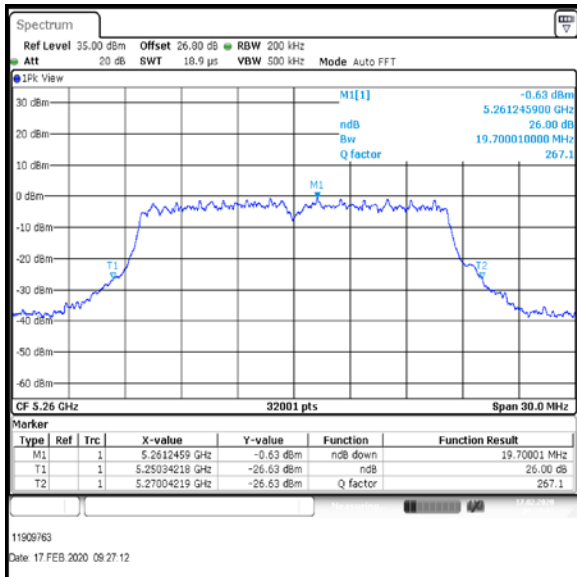
Result: **Pass**



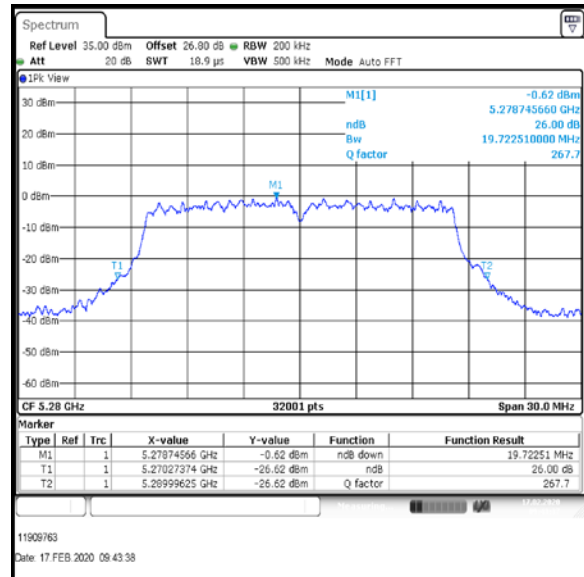
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 9Mbit / MIMO / Port 1+2+3 / Port 3 / PWL 16 / 9 dBi Antenna**

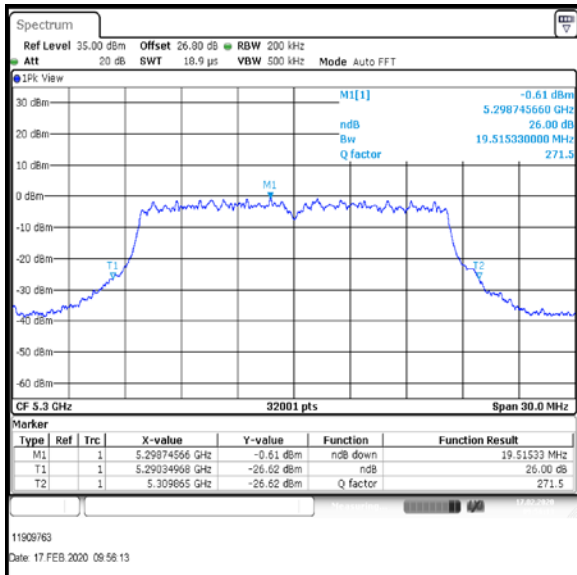
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	19.700
Middle	5280	19.723
Top-1	5300	19.515



**Bottom Channel**



**Middle Channel**



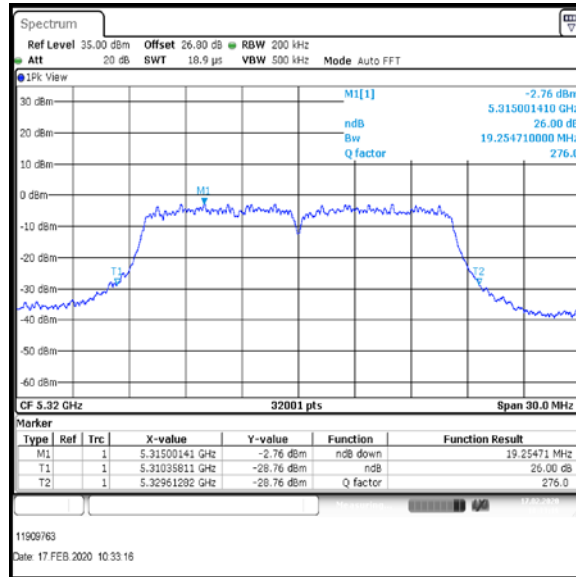
**Top-1 Channel**

**Result: Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 9Mbit / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	19.255



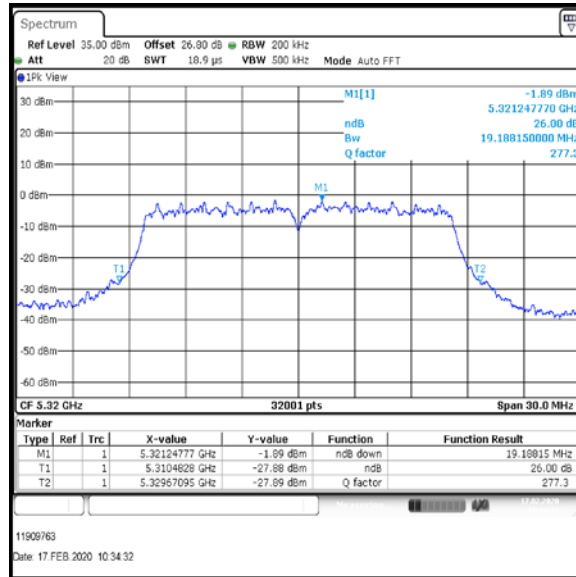
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 9Mbit / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	19.188



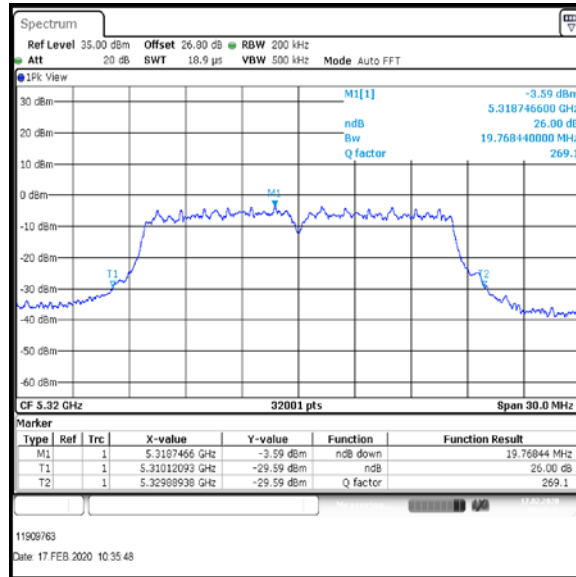
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11a / 20 MHz / 9Mbit / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	19.768



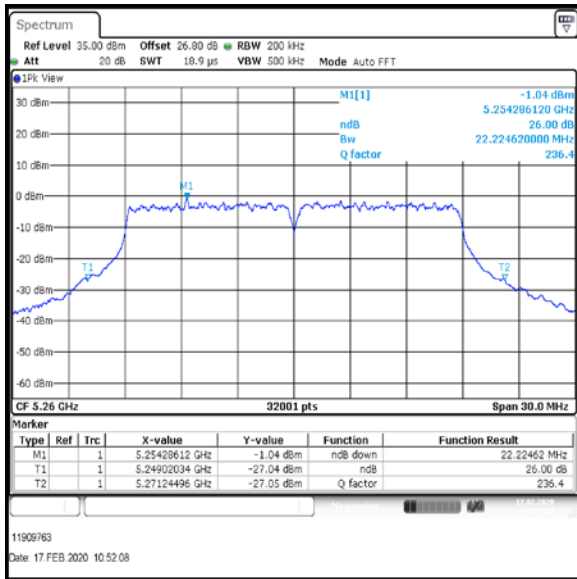
Top Channel

Result: **Pass**

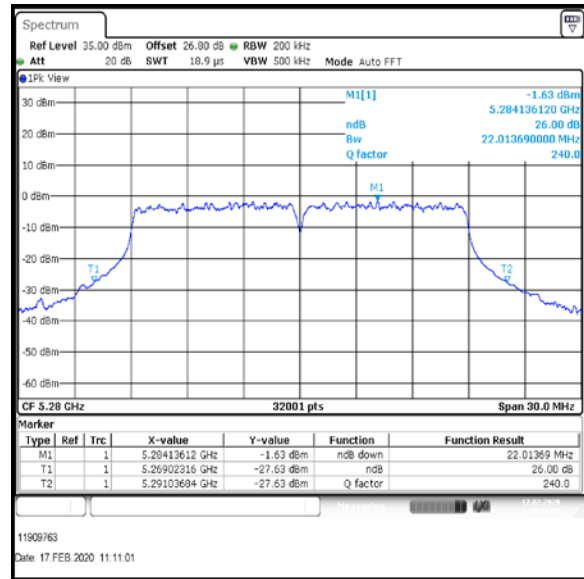
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 1 / PWL 16 / 9 dBi Antenna**

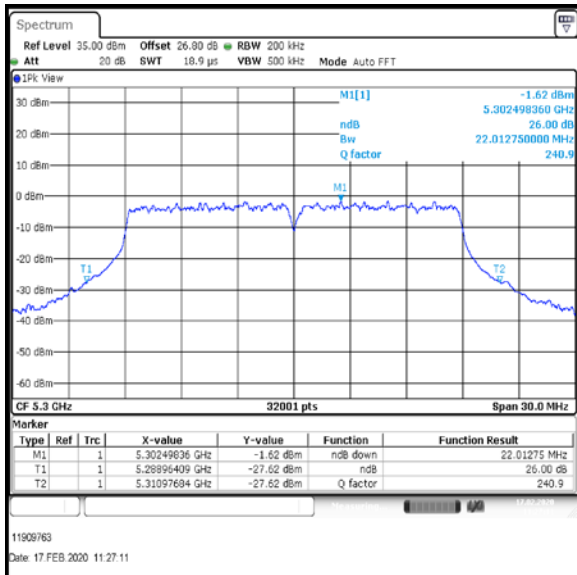
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	22.225
Middle	5280	22.014
Top-1	5300	22.013



Bottom Channel



Middle Channel



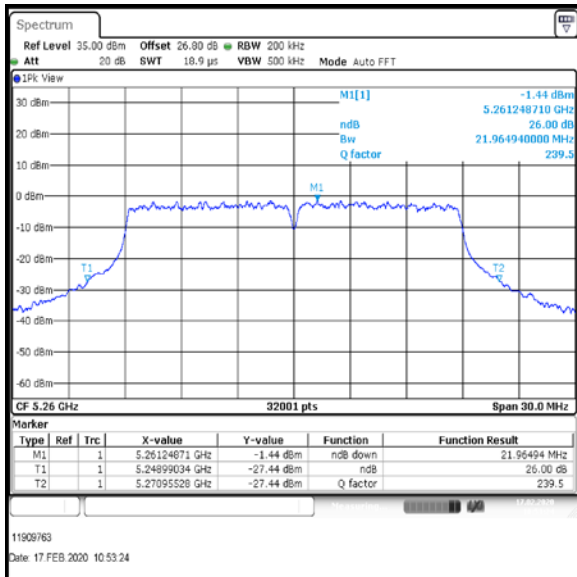
Top-1 Channel

Result: **Pass**

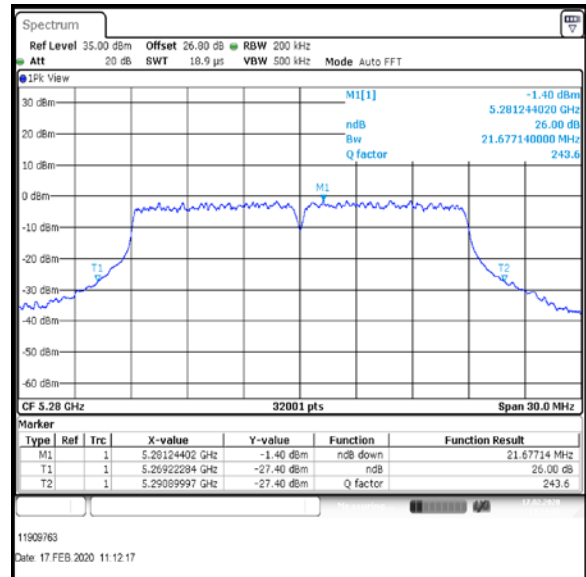
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 2 / PWL 16 / 9 dBi Antenna**

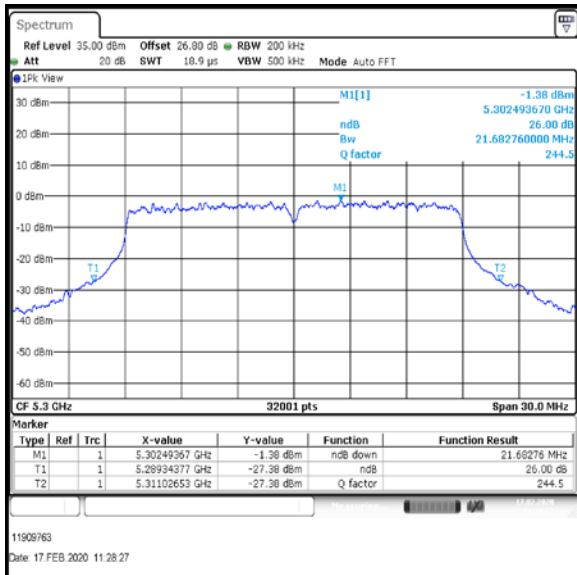
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	21.965
Middle	5280	21.677
Top-1	5300	21.683



Bottom Channel



Middle Channel



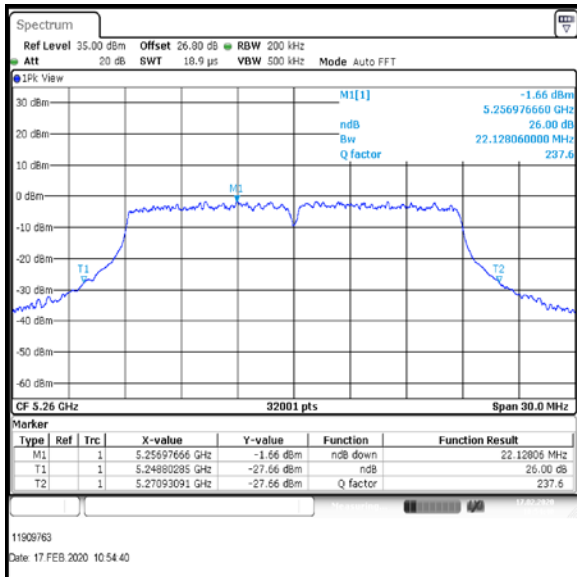
Top-1 Channel

Result: **Pass**

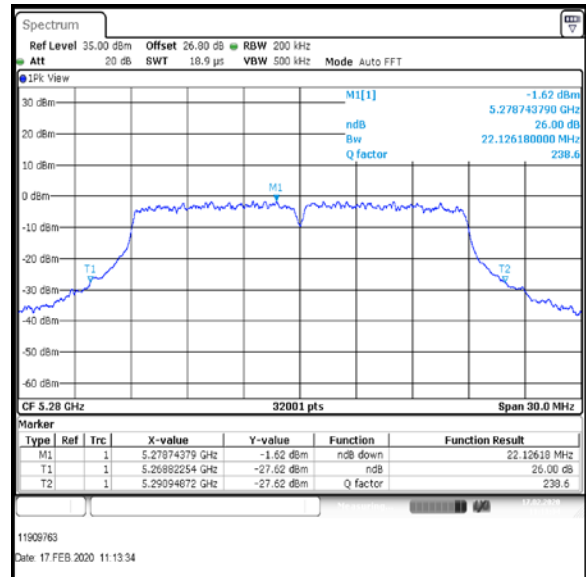
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 3 / PWL 16 / 9 dBi Antenna**

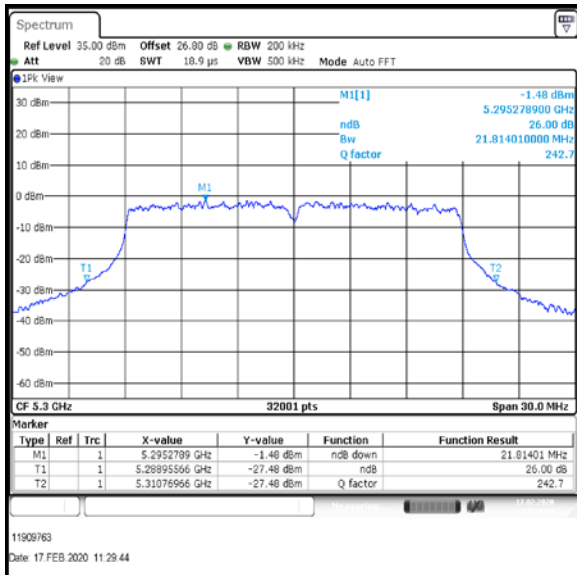
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	22.128
Middle	5280	22.126
Top-1	5300	21.814



Bottom Channel



Middle Channel



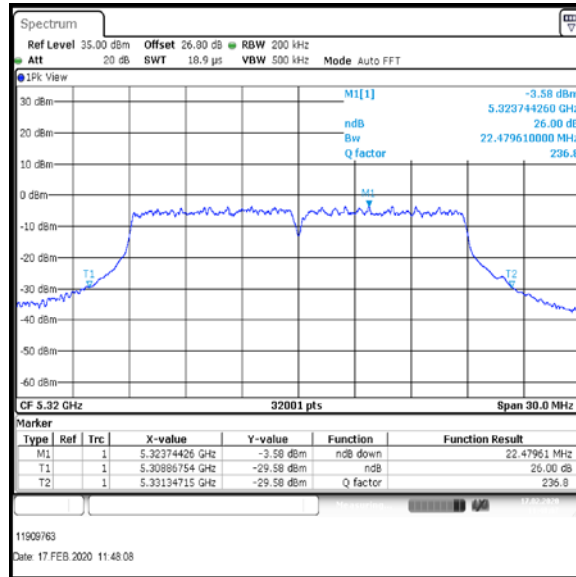
Top-1 Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	22.48



Top Channel

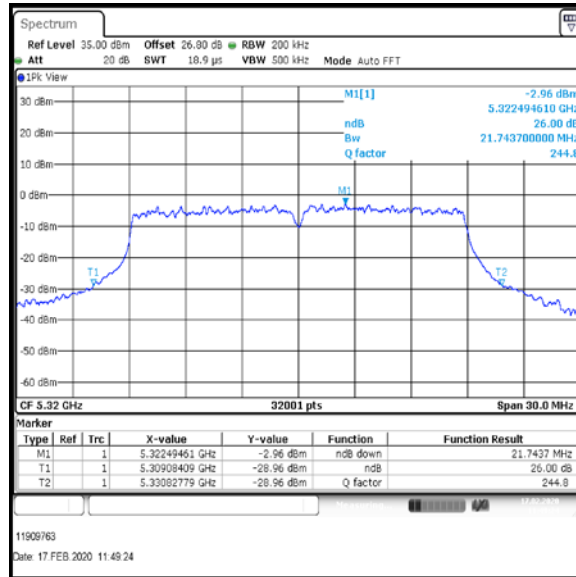
Result: **Pass**



**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	21.744



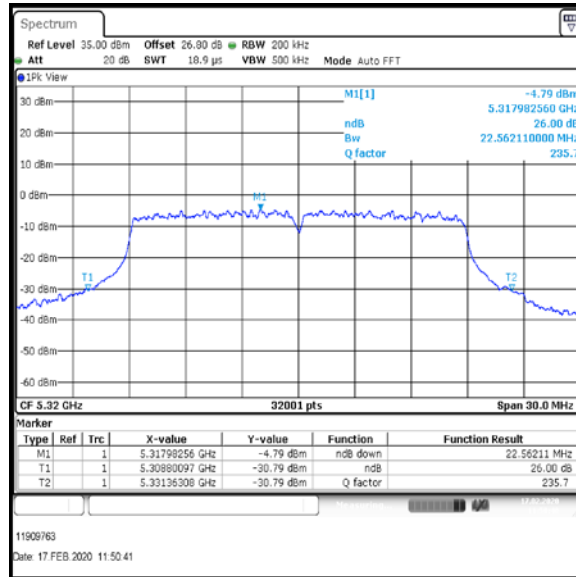
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	22.562



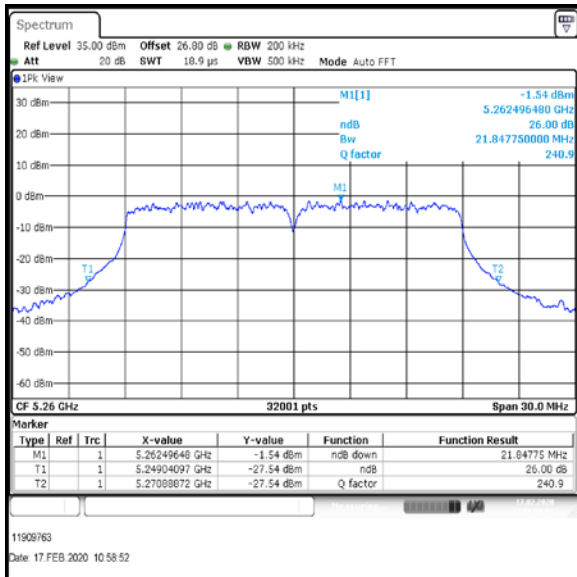
Top Channel

Result: **Pass**

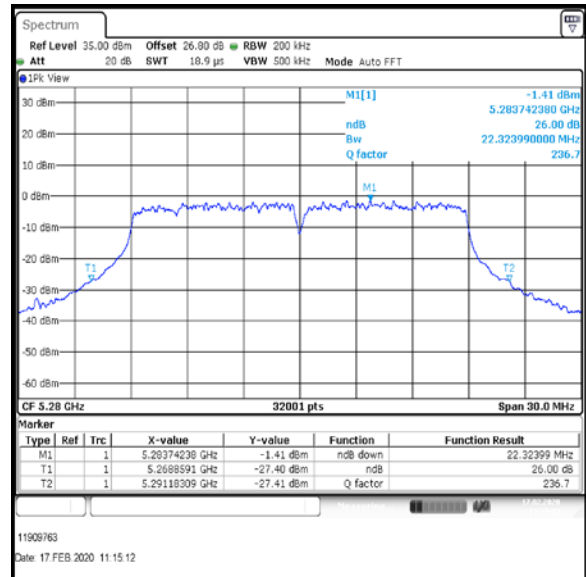
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 1 / PWL 16 / 9 dBi Antenna**

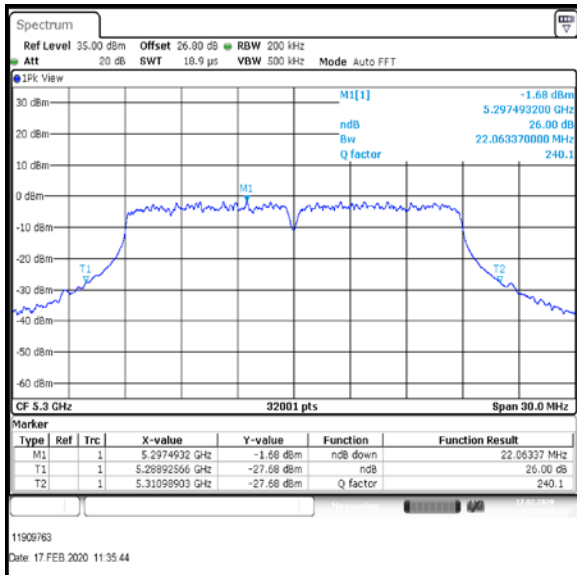
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	21.848
Middle	5280	22.324
Top-1	5300	22.063



Bottom Channel



Middle Channel



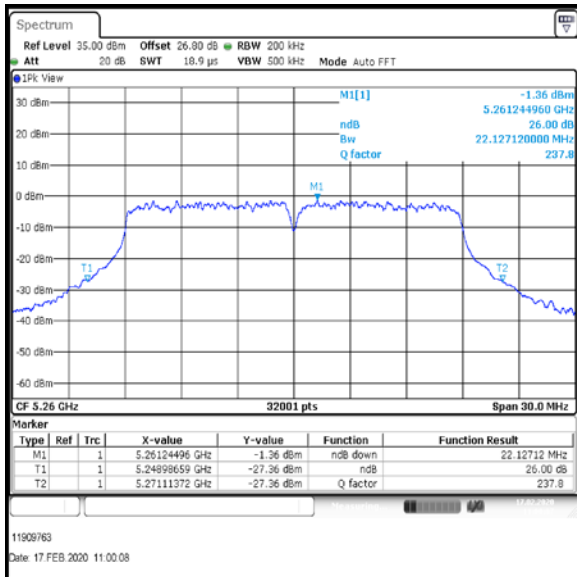
Top-1 Channel

Result: **Pass**

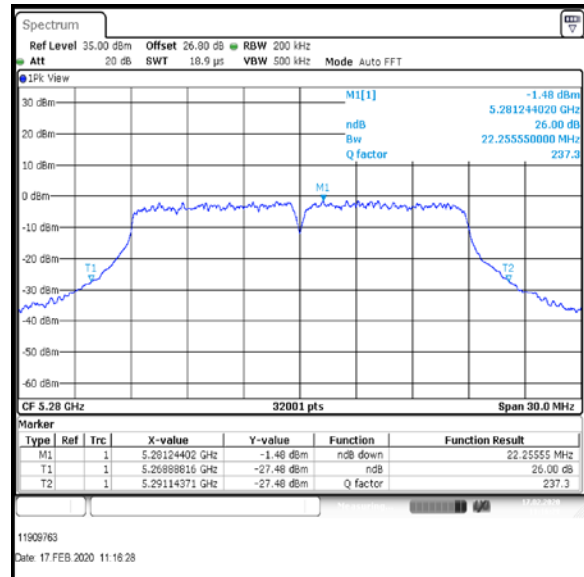
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 2 / PWL 16 / 9 dBi Antenna**

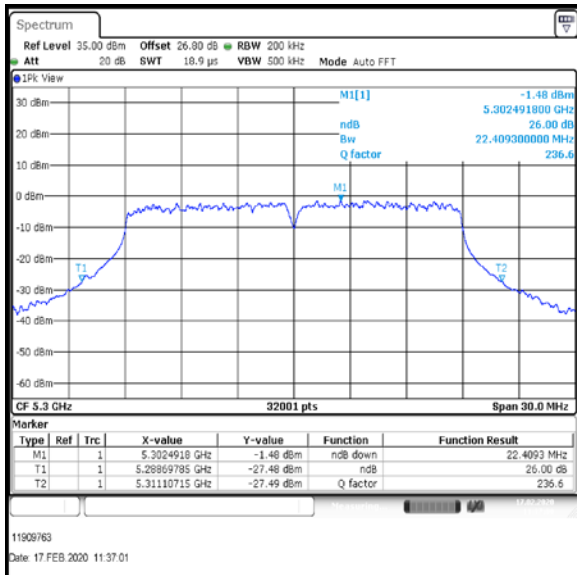
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	22.127
Middle	5280	22.256
Top-1	5300	22.409



Bottom Channel



Middle Channel



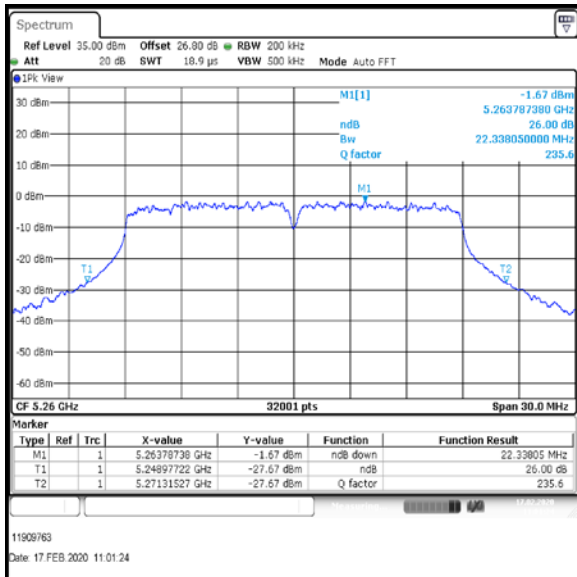
Top-1 Channel

Result: **Pass**

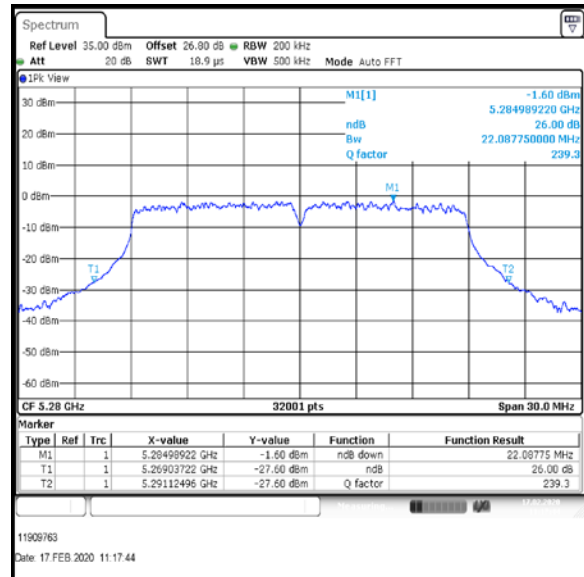
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 3 / PWL 16 / 9 dBi Antenna**

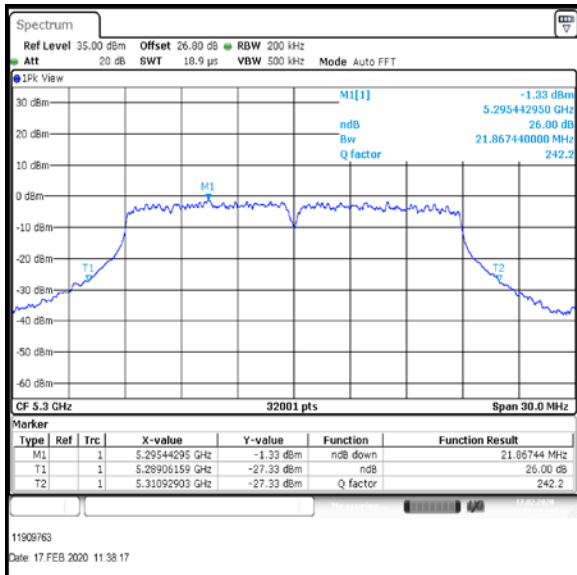
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	22.338
Middle	5280	22.088
Top-1	5300	21.867



Bottom Channel



Middle Channel



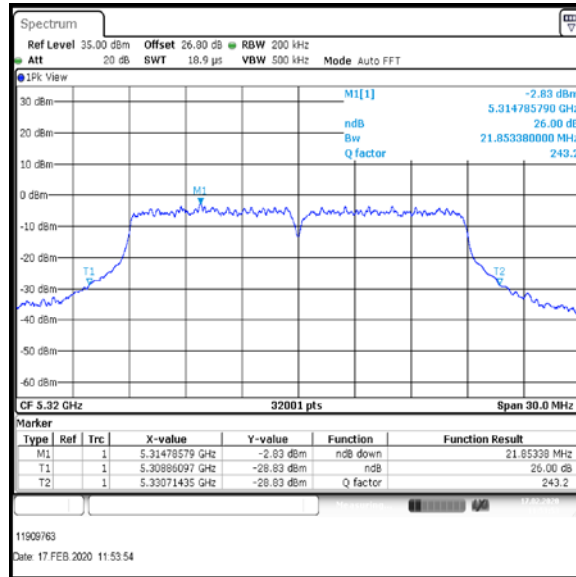
Top-1 Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	21.853



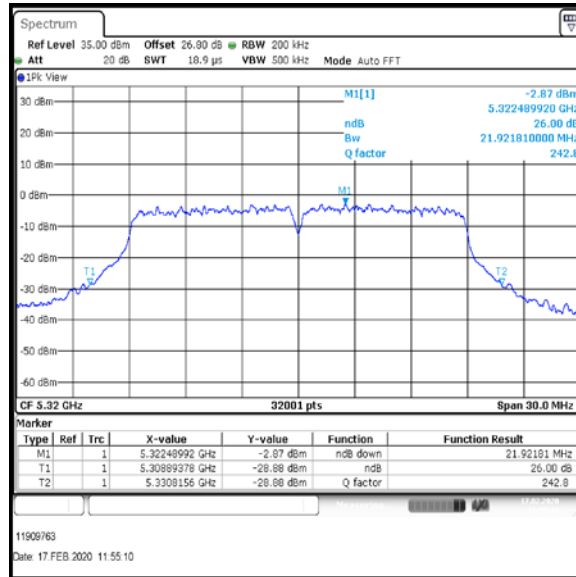
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	21.922



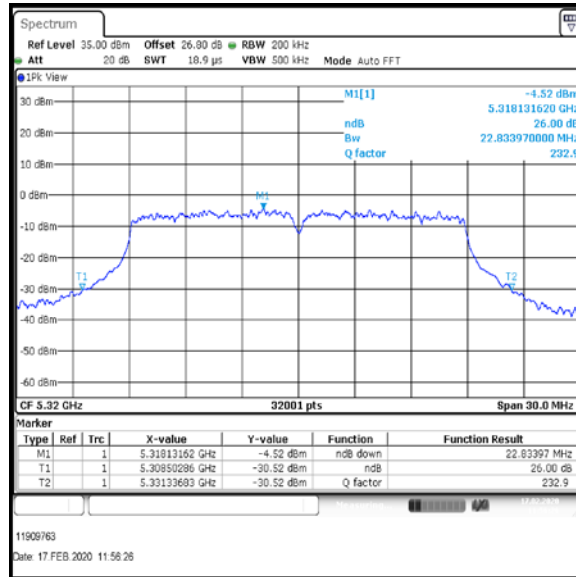
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	22.834



Top Channel

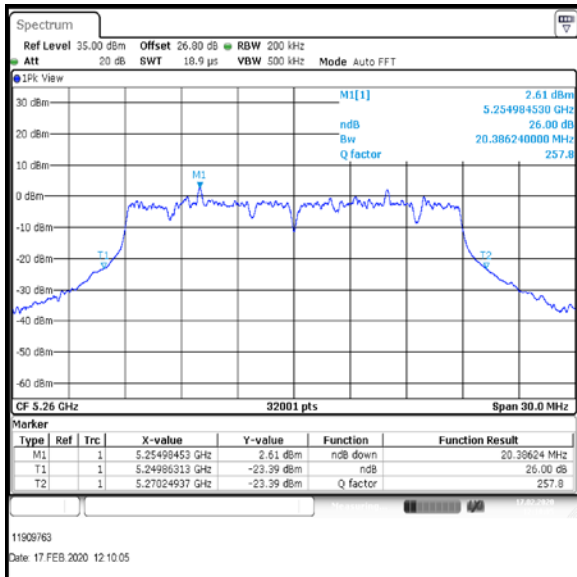
Result: **Pass**



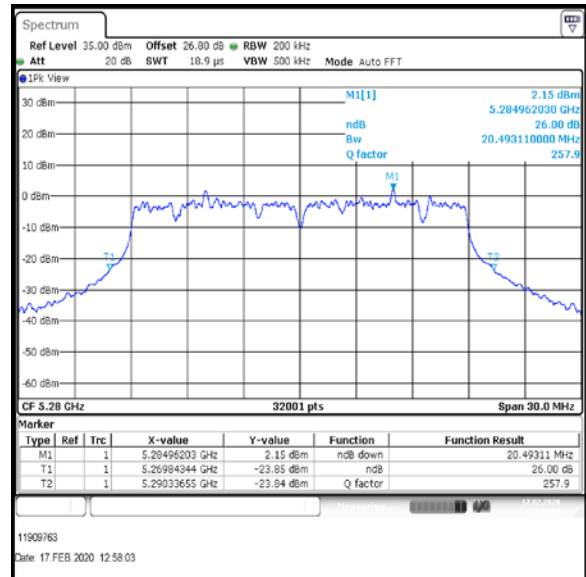
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 1 / PWL 16 / 9 dBi Antenna**

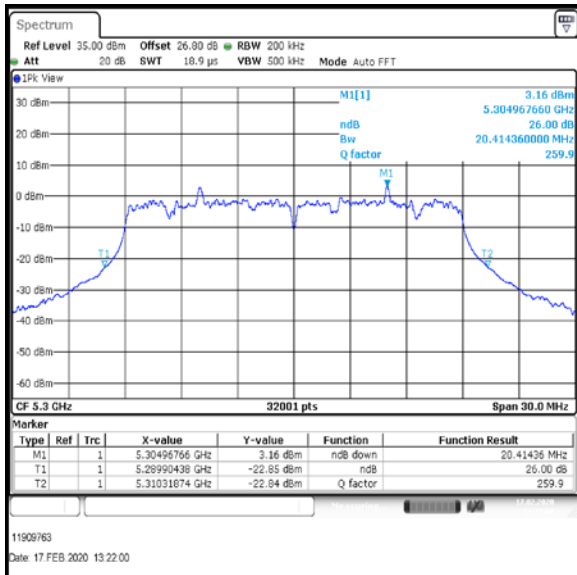
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	20.386
Middle	5280	20.493
Top-1	5300	20.414



Bottom Channel



Middle Channel



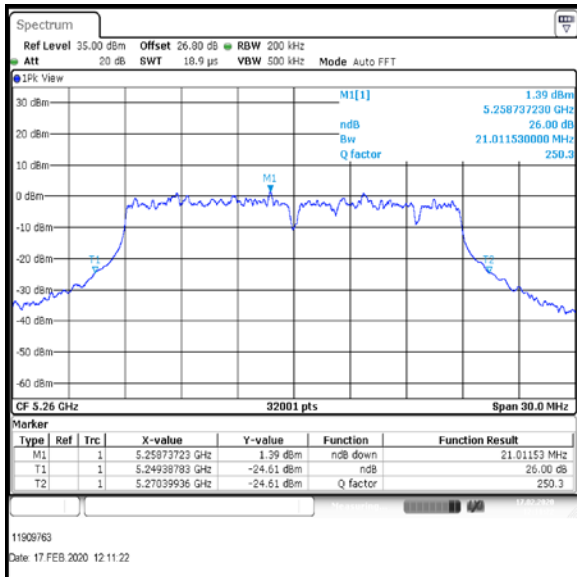
Top-1 Channel

Result: **Pass**

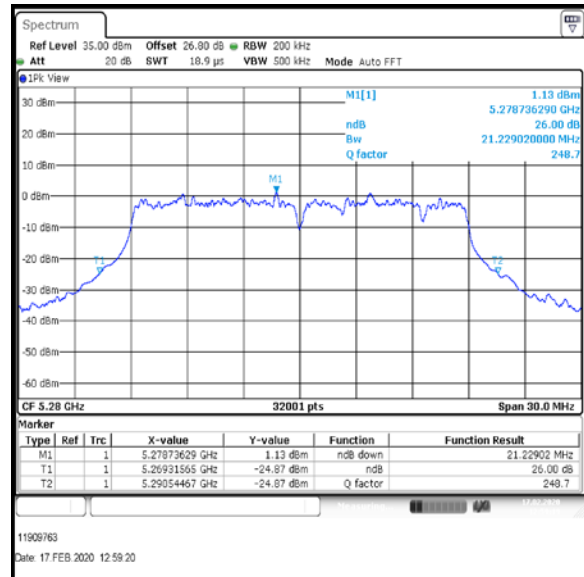
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 2 / PWL 16 / 9 dBi Antenna**

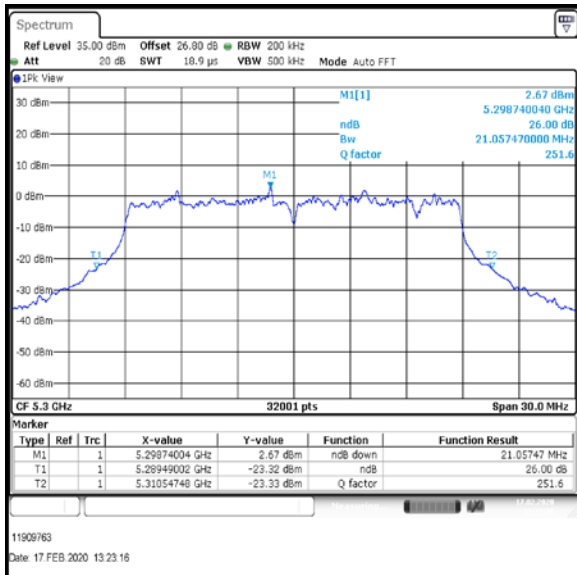
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	21.012
Middle	5280	21.229
Top-1	5300	21.057



Bottom Channel



Middle Channel



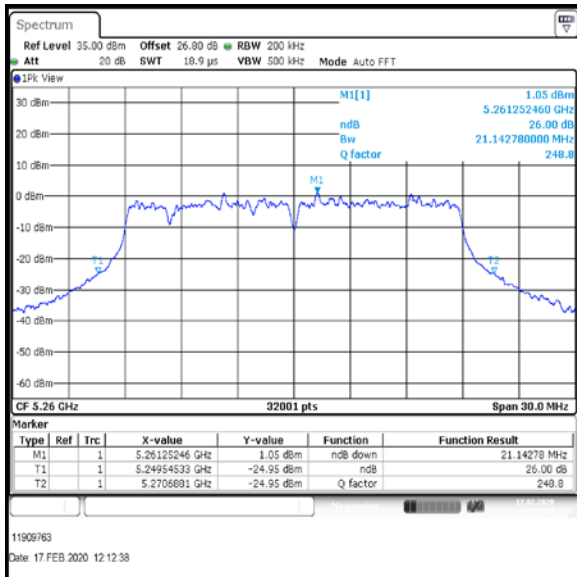
Top-1 Channel

Result: **Pass**

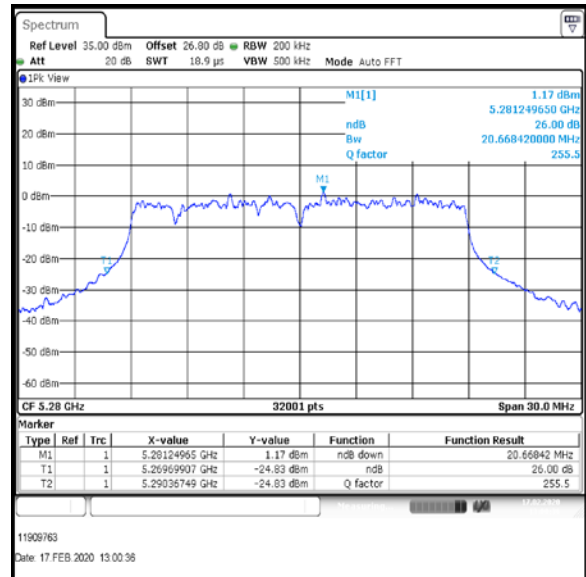
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 3 / PWL 16 / 9 dBi Antenna**

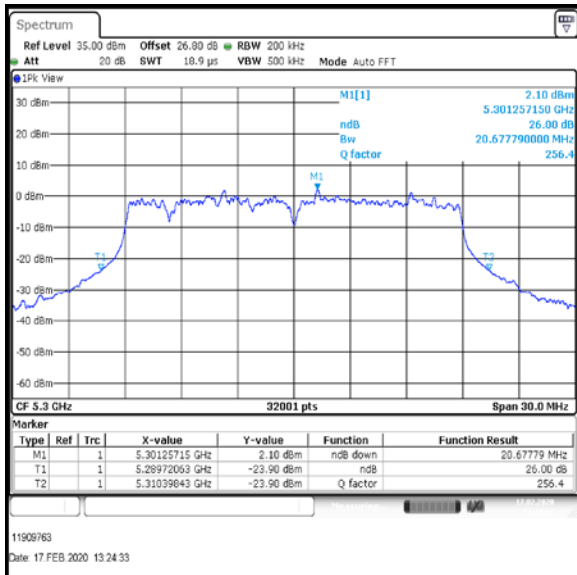
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	21.143
Middle	5280	20.668
Top-1	5300	20.678



Bottom Channel



Middle Channel



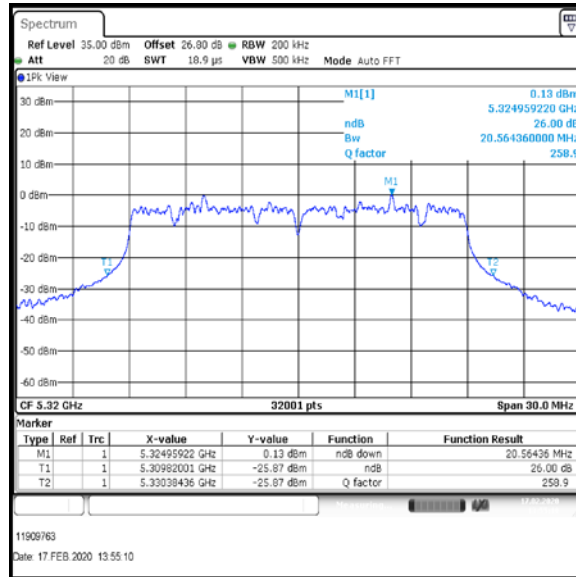
Top-1 Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	20.564



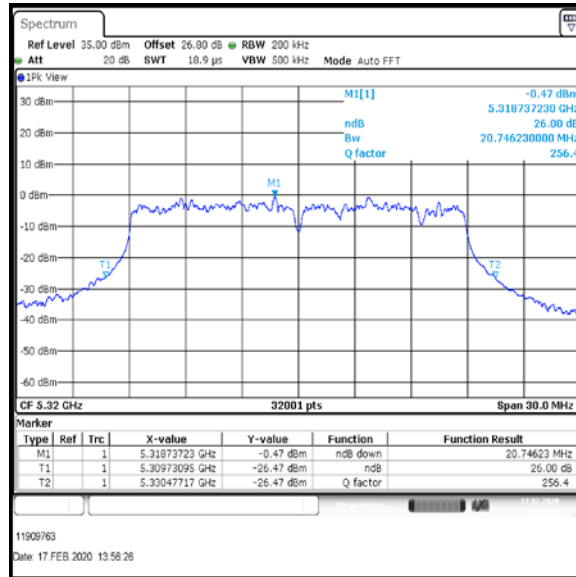
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	20.746



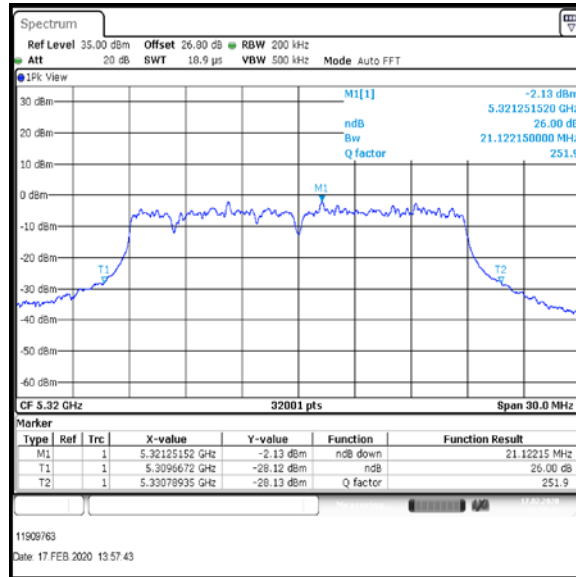
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS3 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	21.122



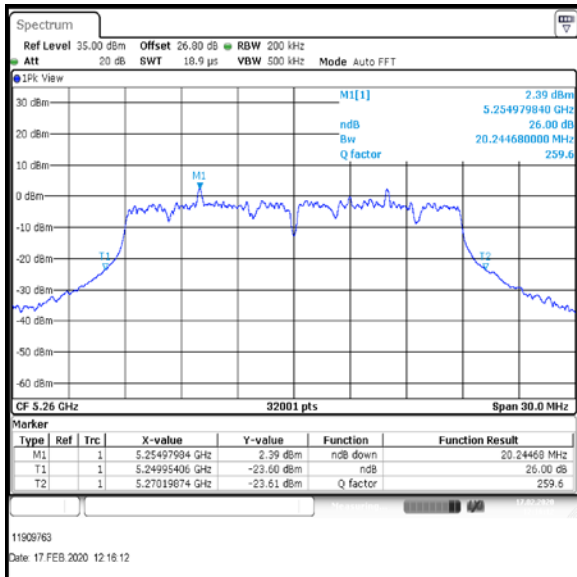
Top Channel

Result: **Pass**

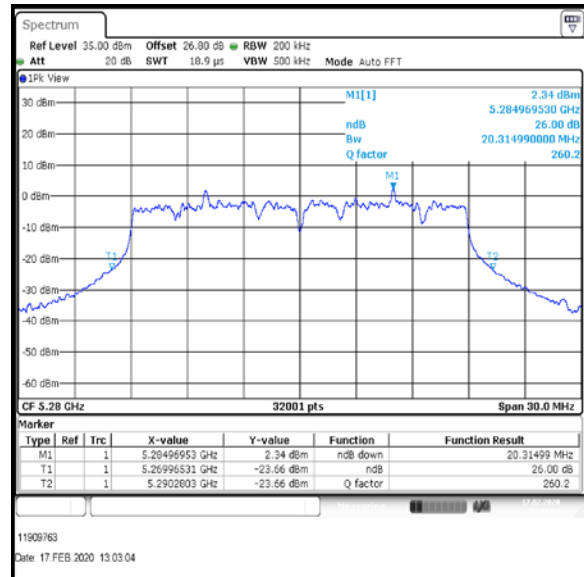
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 1 / PWL 16 / 9 dBi Antenna**

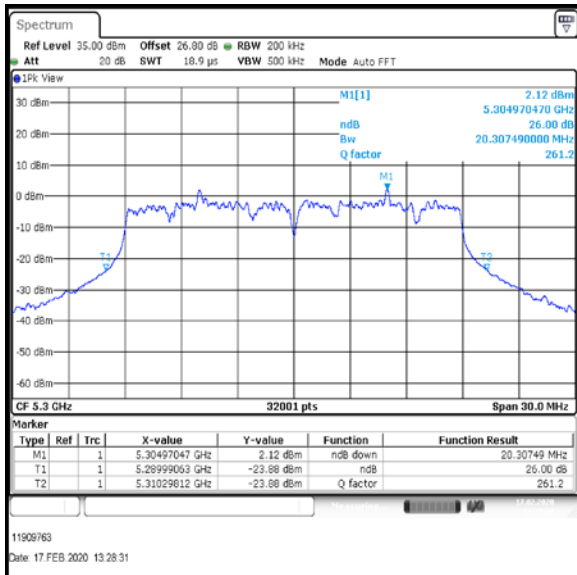
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	20.245
Middle	5280	20.315
Top-1	5300	20.307



Bottom Channel



Middle Channel



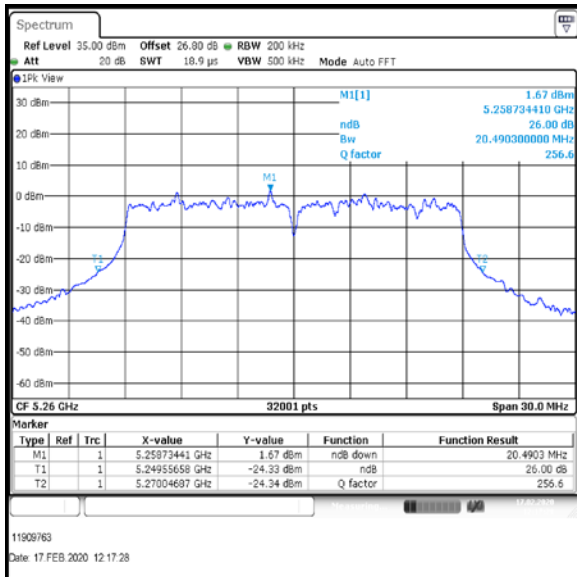
Top-1 Channel

Result: **Pass**

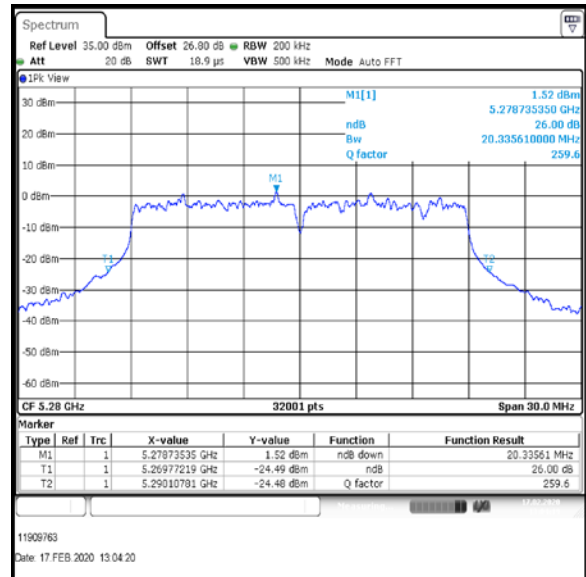
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 2 / PWL 16 / 9 dBi Antenna**

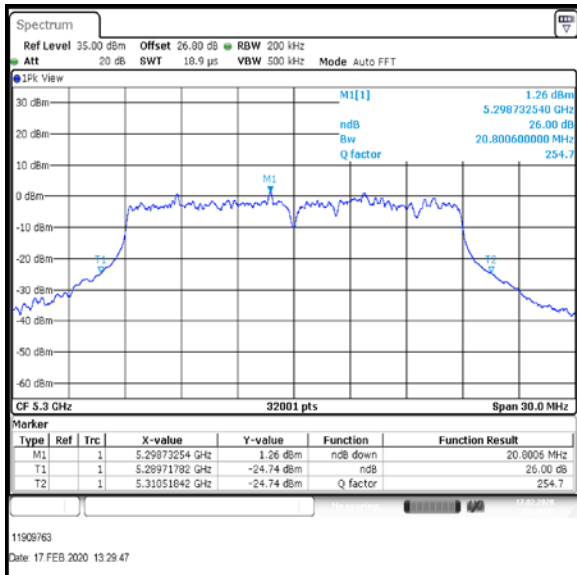
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	20.49
Middle	5280	20.336
Top-1	5300	20.801



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

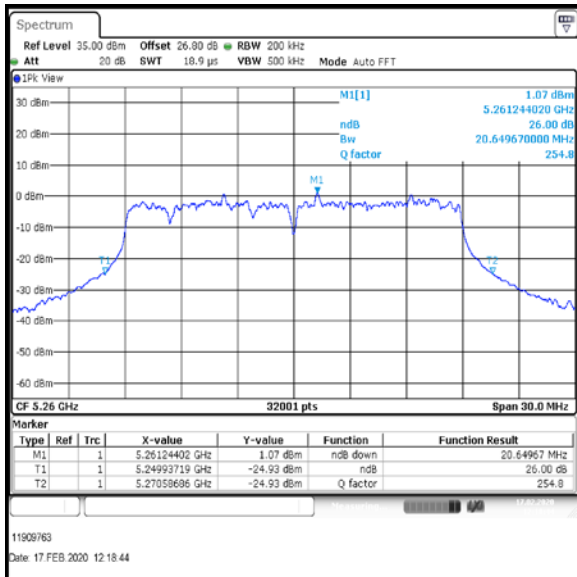
**Result: Pass**



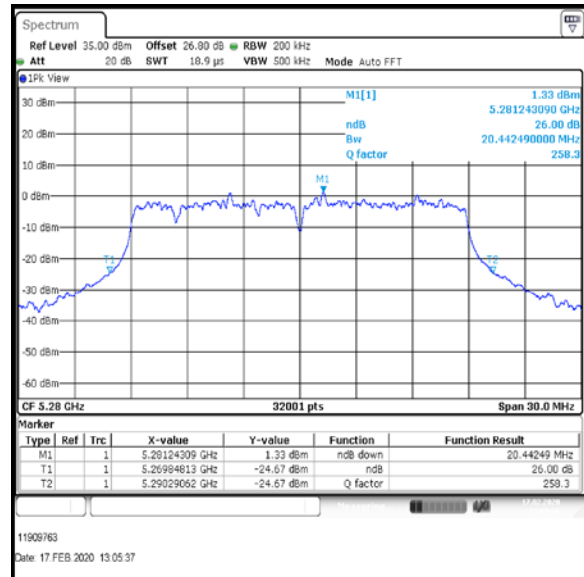
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 3 / PWL 16 / 9 dBi Antenna**

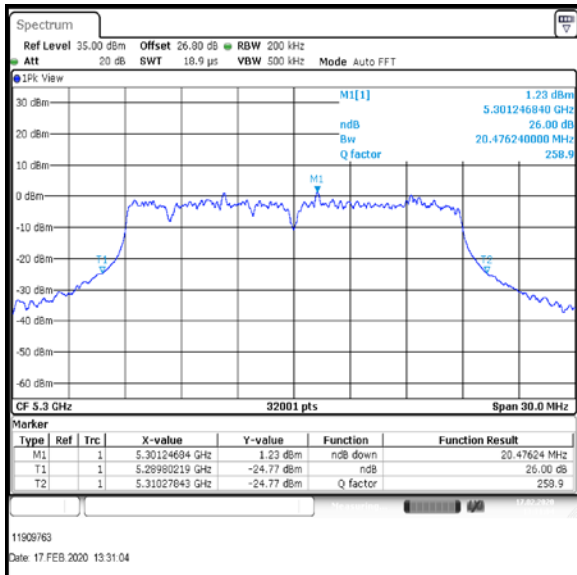
Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5260	20.65
Middle	5280	20.442
Top-1	5300	20.476



Bottom Channel



Middle Channel



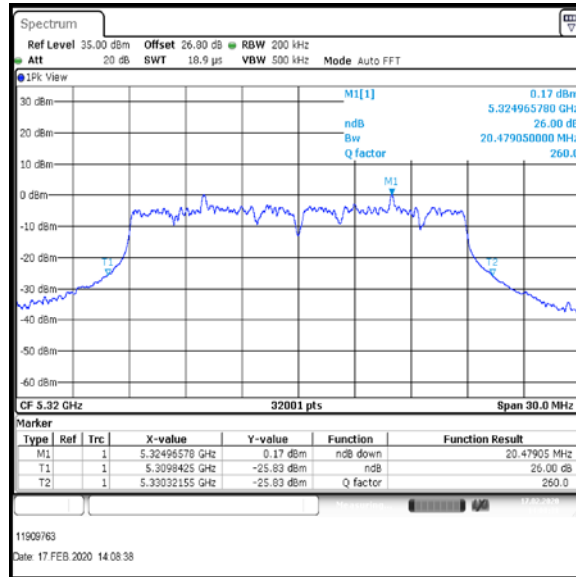
Top-1 Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	20.479



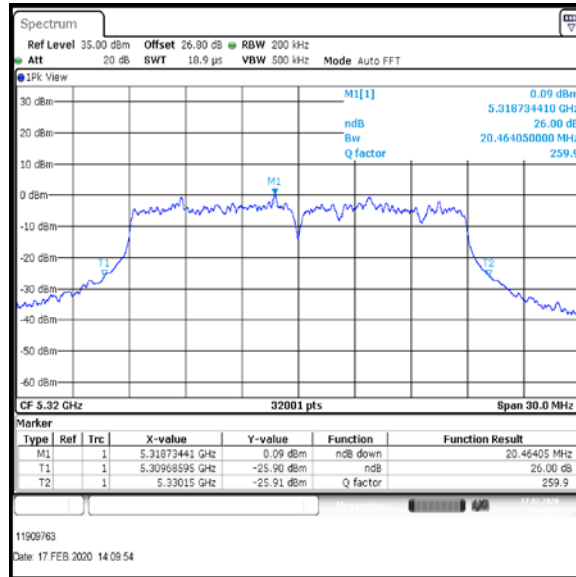
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	20.464



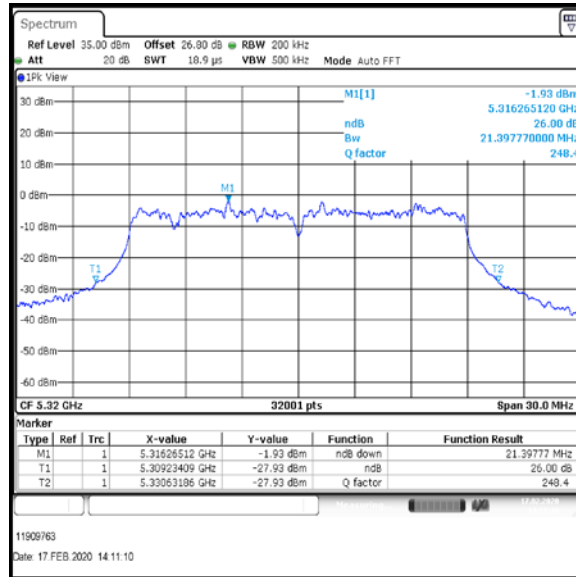
Top Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT20 / MCS7 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Top	5320	21.398



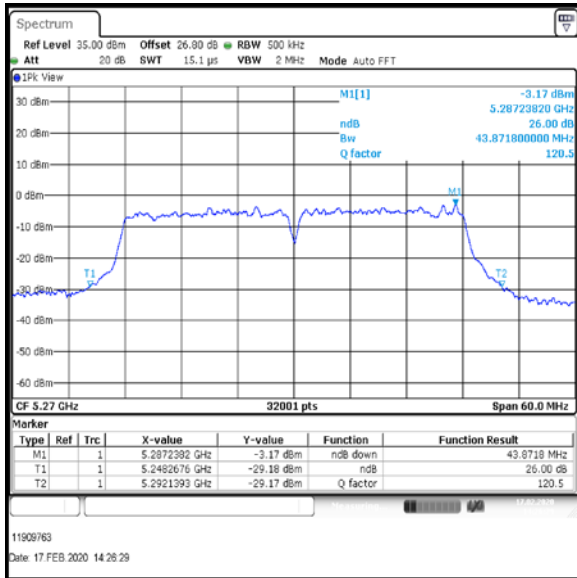
Top Channel

Result: **Pass**

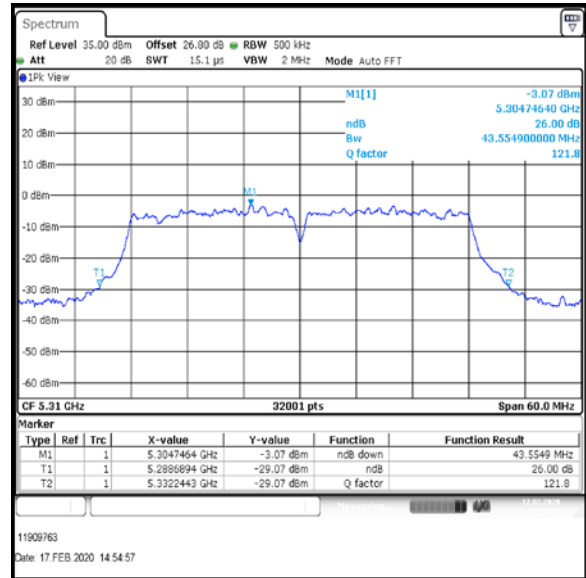
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	43.872
Top	5310	43.555



Bottom Channel



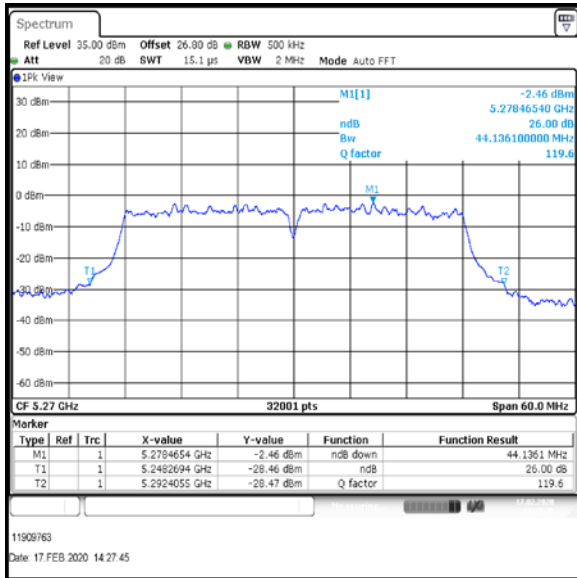
Top Channel

Result: **Pass**

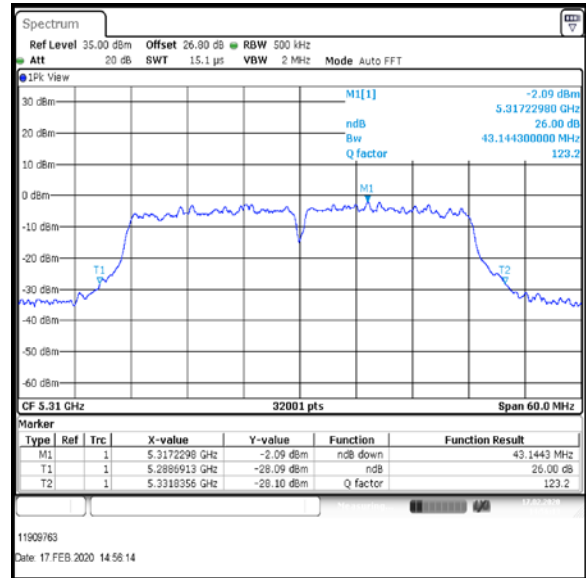
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	44.136
Top	5310	43.144



Bottom Channel



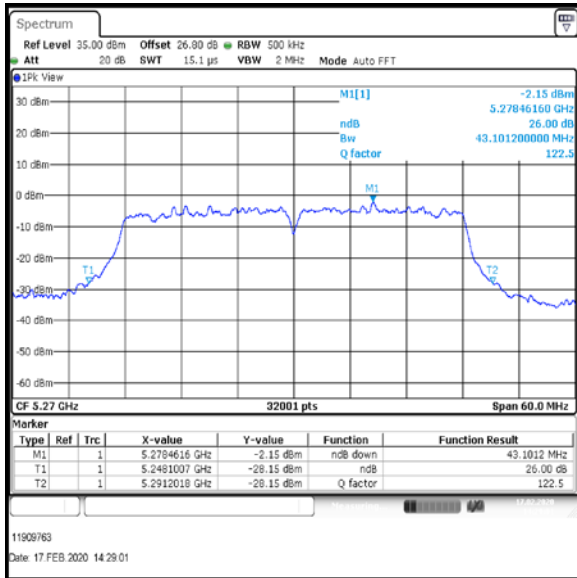
Top Channel

Result: **Pass**

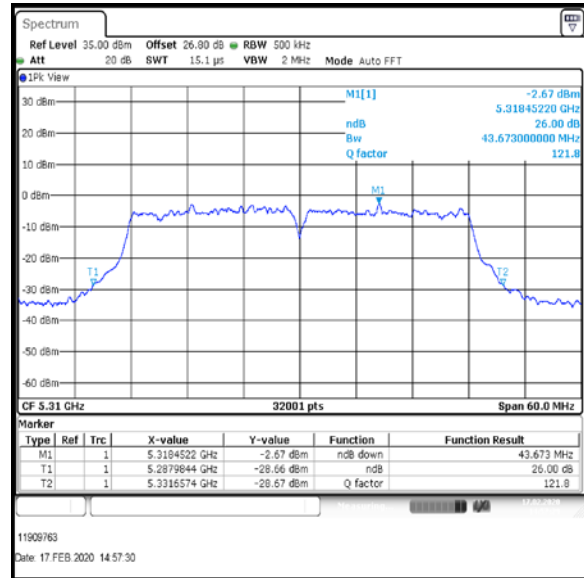
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	43.101
Top	5310	43.673



Bottom Channel



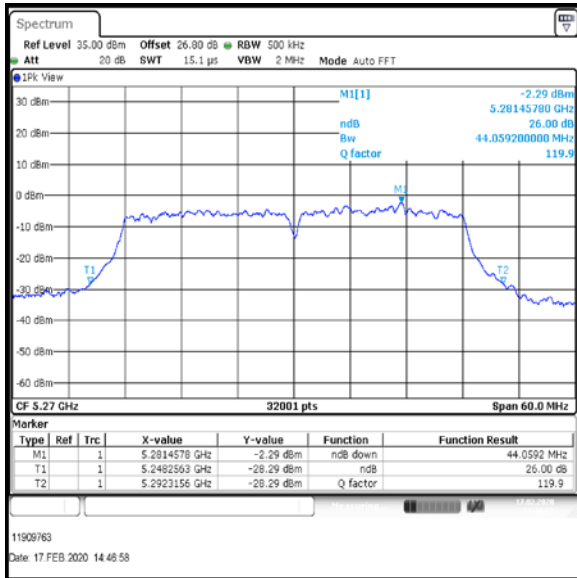
Top Channel

Result: **Pass**

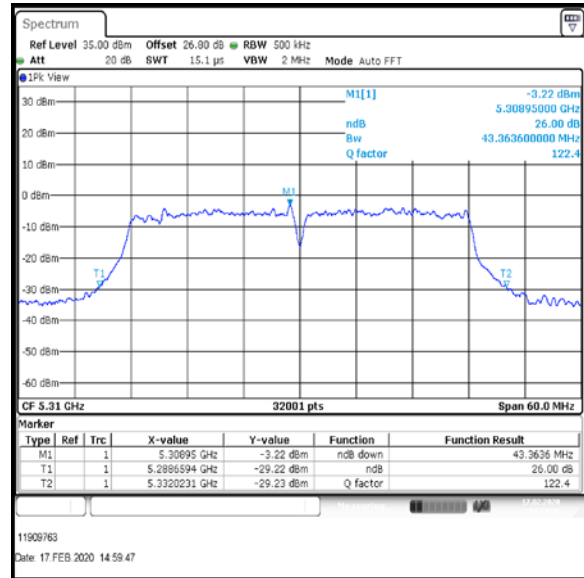
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT40 / MCS5 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	44.059
Top	5310	43.364



Bottom Channel



Top Channel

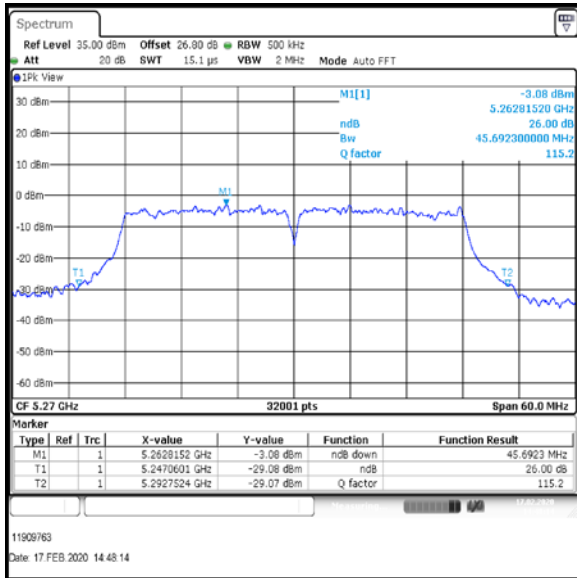
Result: **Pass**



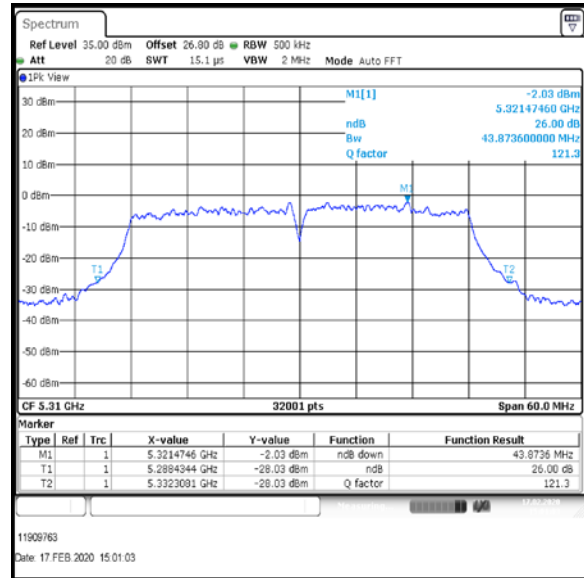
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT40 / MCS5 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	45.692
Top	5310	43.874



Bottom Channel



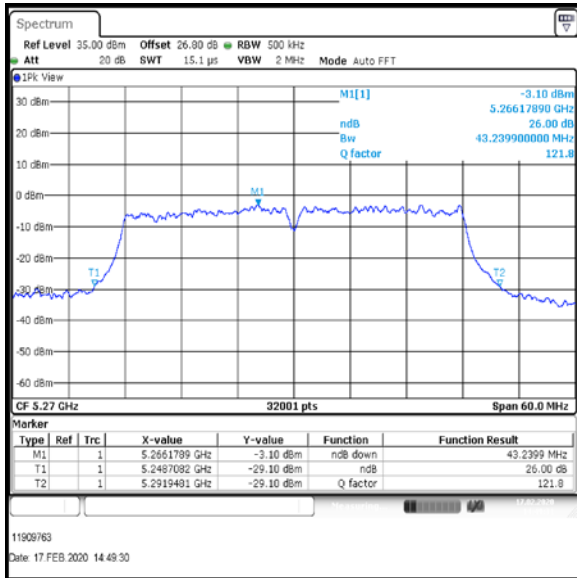
Top Channel

Result: **Pass**

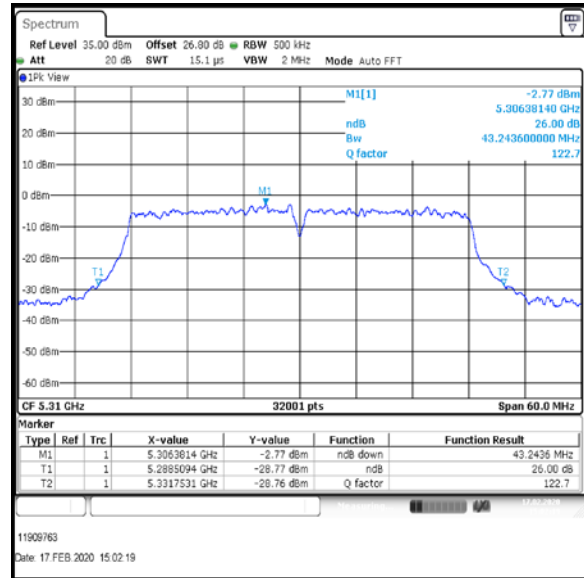
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11n / HT40 / MCS5 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	43.240
Top	5310	43.244



Bottom Channel



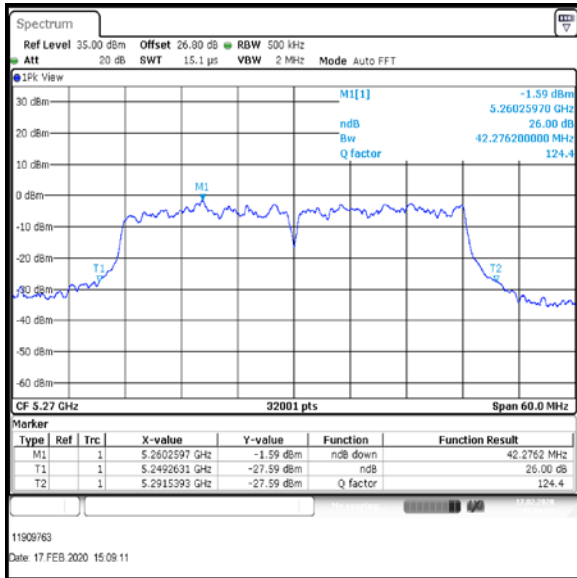
Top Channel

Result: **Pass**

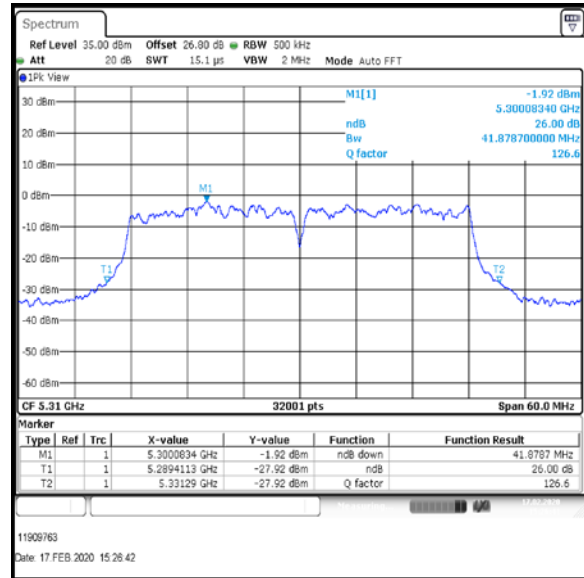
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	42.276
Top	5310	41.879



Bottom Channel



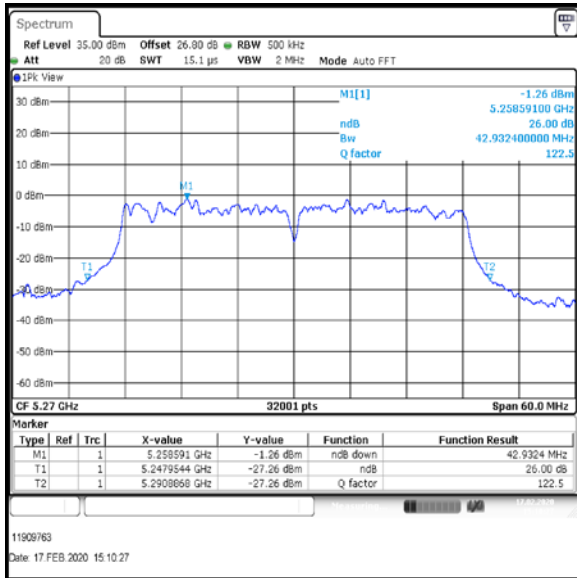
Top Channel

Result: **Pass**

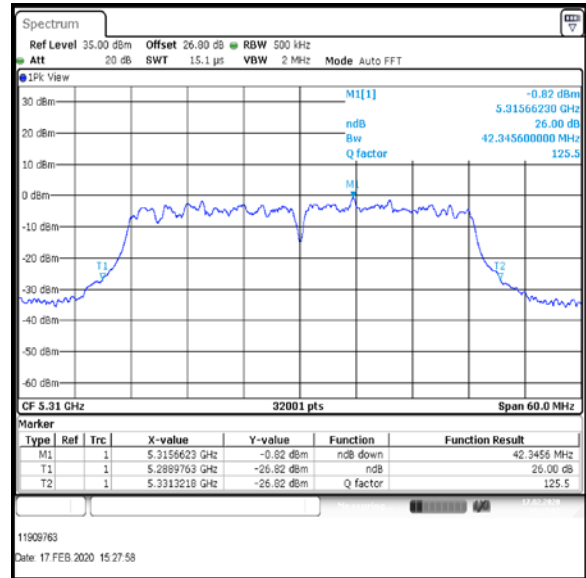
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	42.932
Top	5310	42.346



Bottom Channel



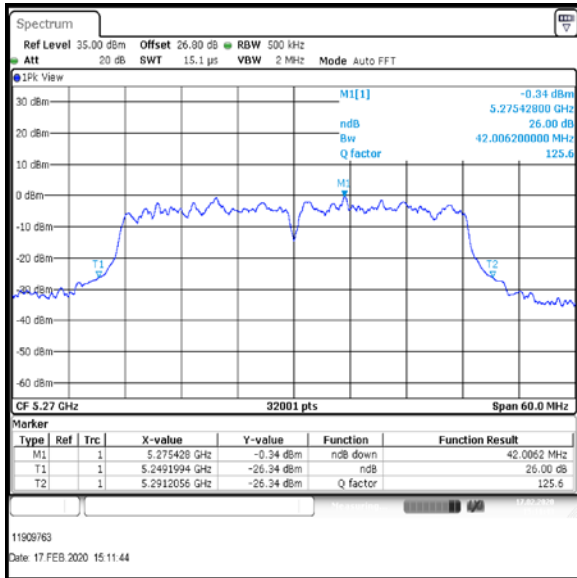
Top Channel

Result: **Pass**

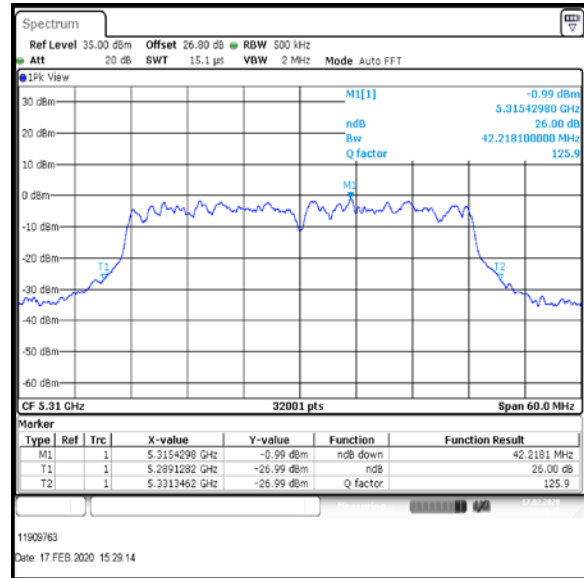
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	42.006
Top	5310	42.218



Bottom Channel



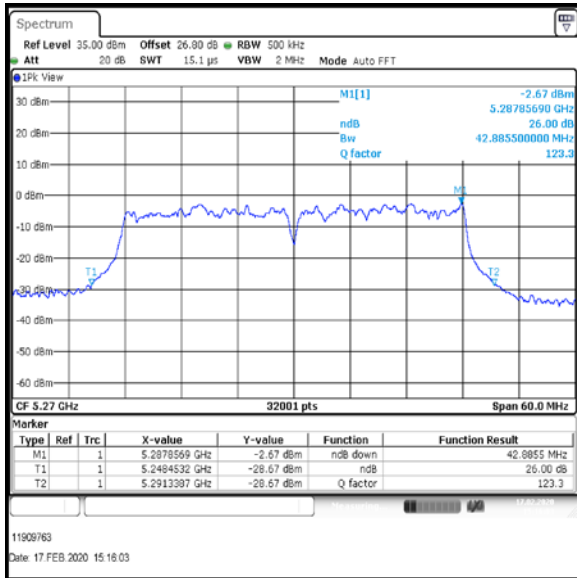
Top Channel

Result: **Pass**

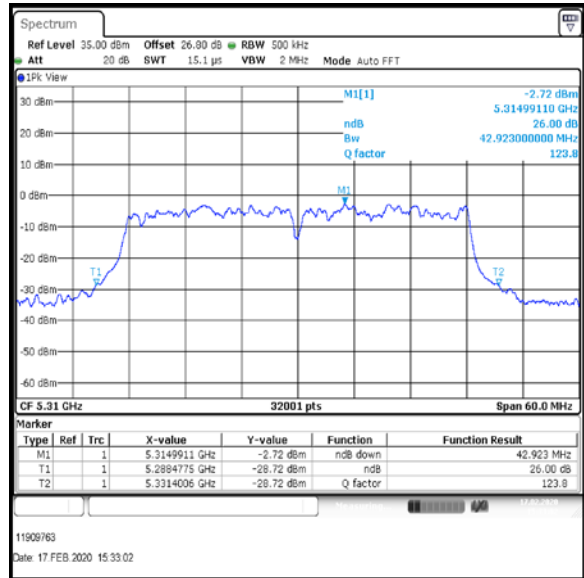
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT40 / MCS5 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	42.886
Top	5310	42.923



Bottom Channel



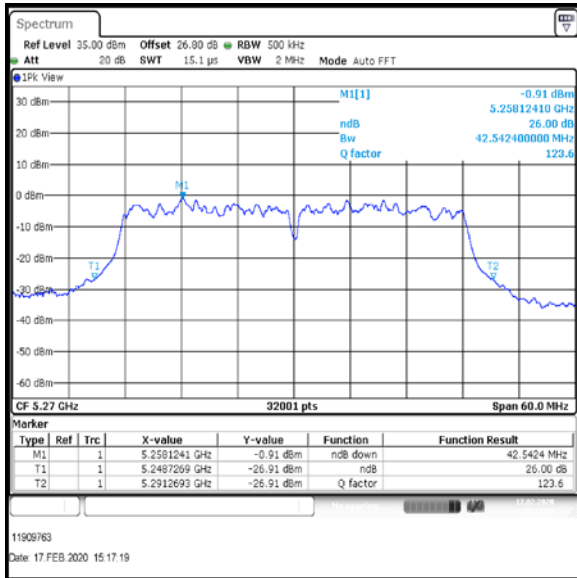
Top Channel

Result: **Pass**

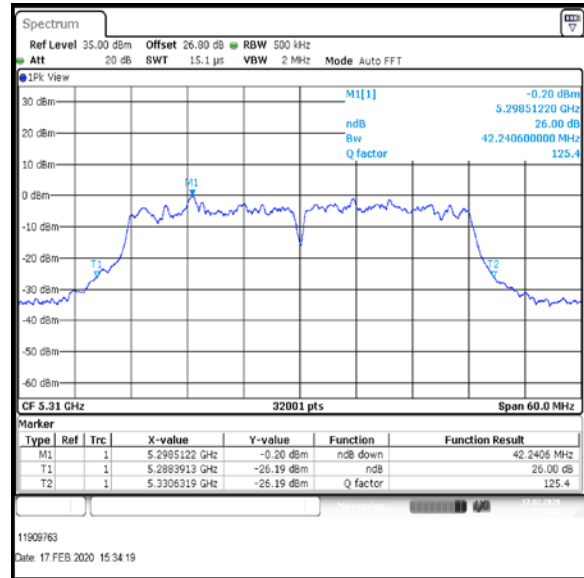
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT40 / MCS5 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	42.542
Top	5310	42.241



Bottom Channel



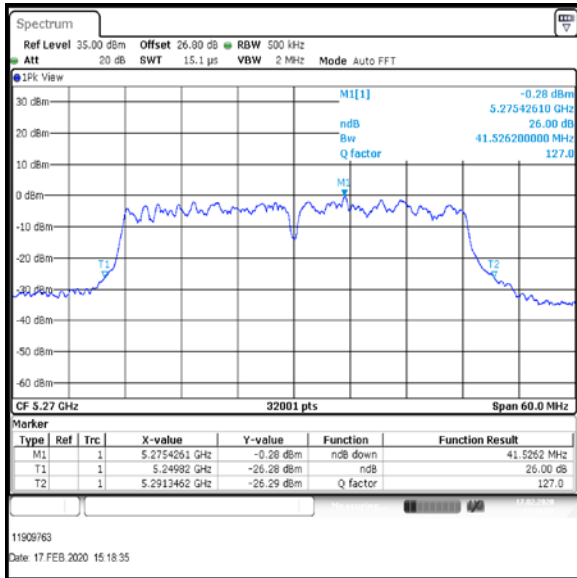
Top Channel

Result: **Pass**

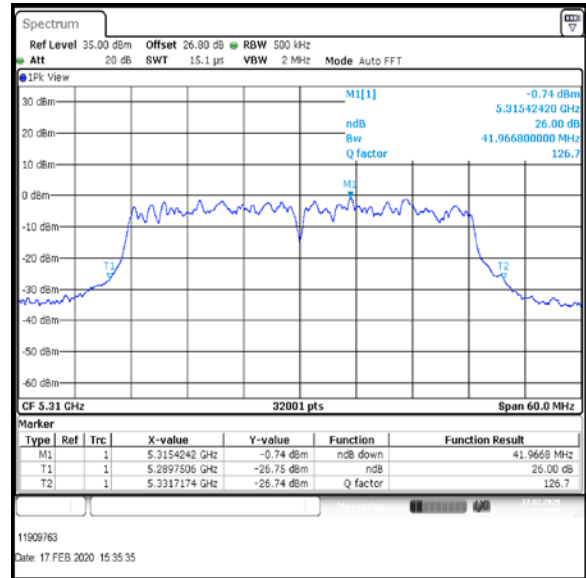
**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT40 / MCS5 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Bottom	5270	41.526
Top	5310	41.967



Bottom Channel



Top Channel

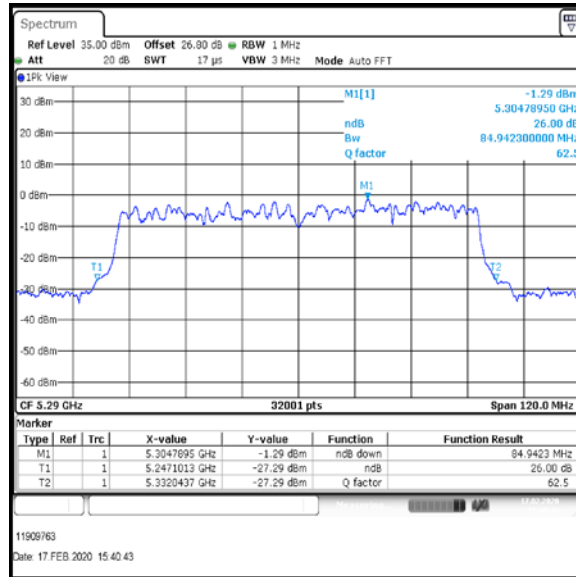
Result: **Pass**



**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT80 / MCS1 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Single	5290	84.942



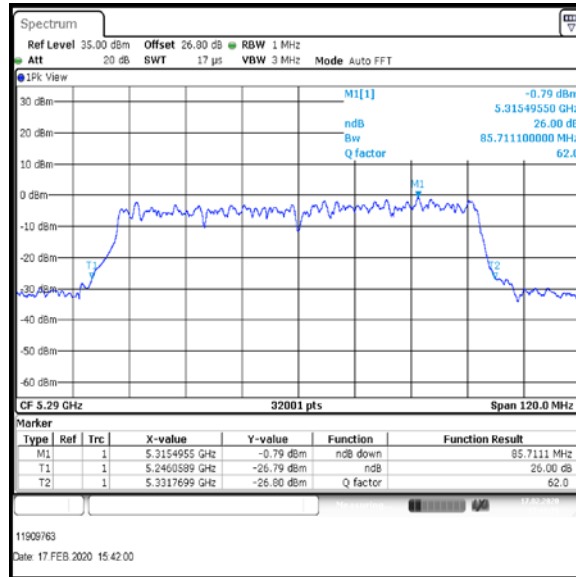
Single Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT80 / MCS1 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Single	5290	85.711



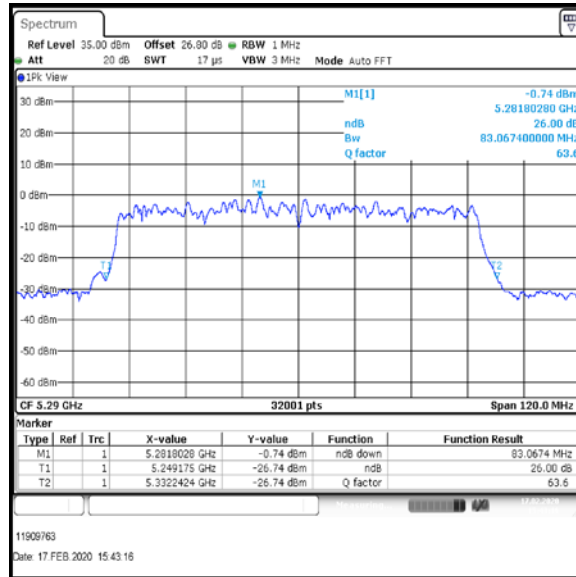
Single Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT80 / MCS1 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Single	5290	83.067



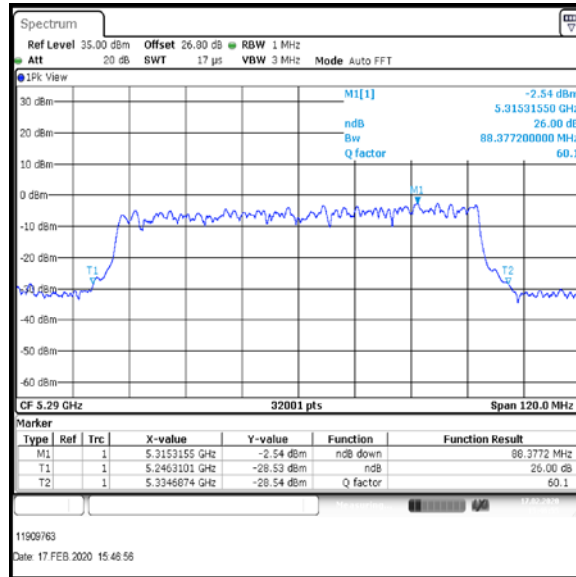
Single Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT80 / MCS2 / MIMO / Port 1+2+3 / Port 1 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Single	5290	88.377



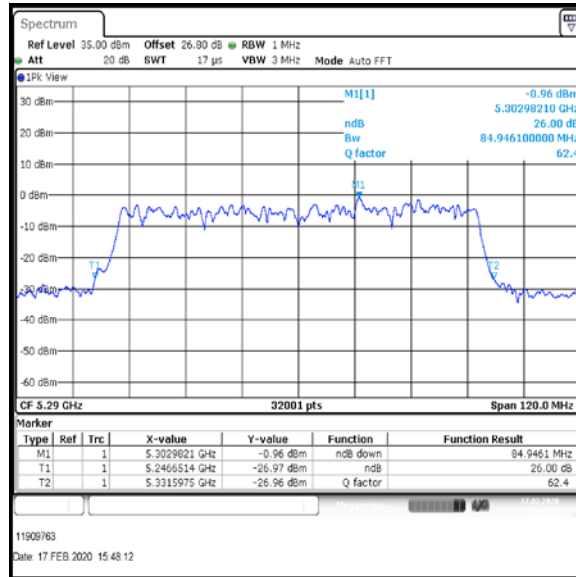
Single Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT80 / MCS2 / MIMO / Port 1+2+3 / Port 2 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Single	5290	84.946



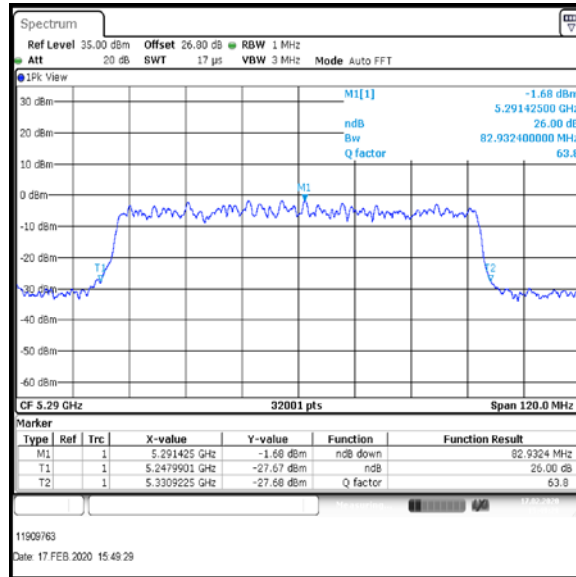
Single Channel

Result: **Pass**

**Transmitter 26 dB Emission Bandwidth (continued)**

**Results: 802.11ac / HT80 / MCS2 / MIMO / Port 1+2+3 / Port 3 / PWL 13 / 9 dBi Antenna**

Channel	Frequency (MHz)	26 dB Emission Bandwidth (MHz)
Single	5290	82.932



Single Channel

Result: **Pass**

**5.2.3. Transmitter Duty Cycle**

**Test Summary:**

<b>Test Engineer:</b>	Sercan Usta	<b>Test Date:</b>	24 February 2020 & 9 March 2020
<b>Test Sample Serial Number:</b>	192.168.0.65		
<b>Test Site Identification</b>	SR 9		

<b>FCC Reference:</b>	Part 15.35(c)
<b>Test Method Used:</b>	KDB 789033 D02 Section II.B.2.b)

**Environmental Conditions:**

<b>Temperature (°C):</b>	22
<b>Relative Humidity (%):</b>	36

**Note:**

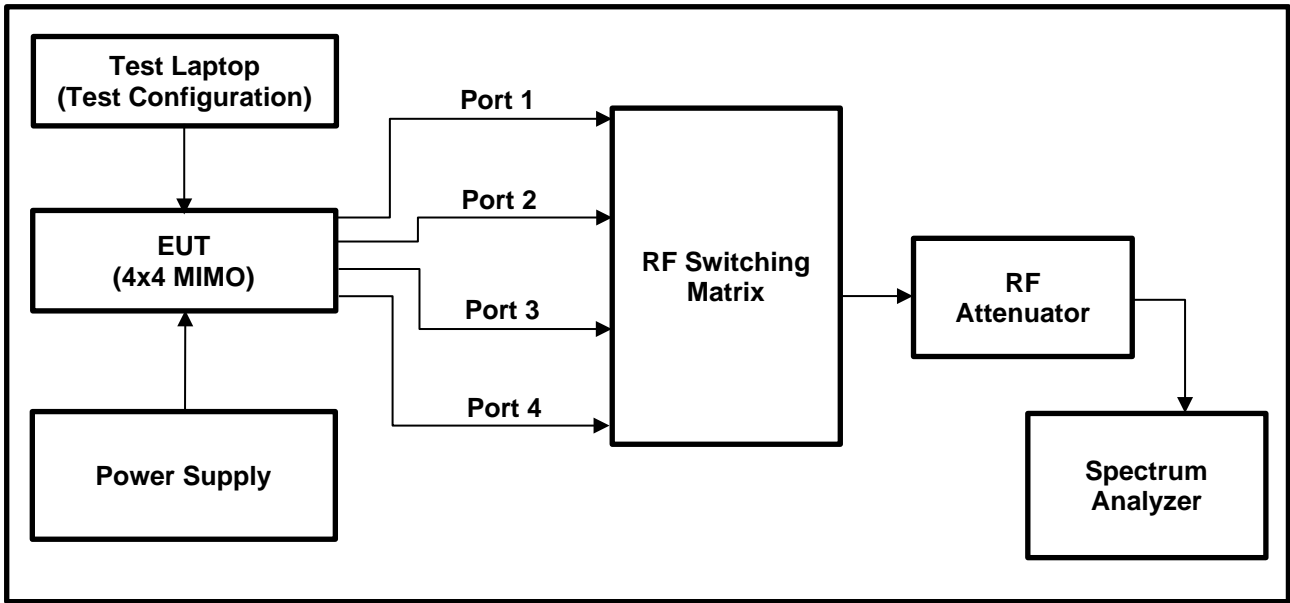
1. During initial investigations it is found that EUT was transmitting with Duty Cycle < 98 %.
2. In order to assist with the determination of the average level of fundamental and spurious emissions field strength, measurements were made of duty cycle to determine the transmission duration and the silent period time of the transmitter. The transmitter duty cycle was measured using a spectrum analyser in the time domain and calculated by using the following calculation:  

$$\text{Duty Cycle (\%)} = 100 \times [\text{On Time } (T_{ON})] / [\text{Period}(T_{ON}+ T_{OFF}) \text{ or } 100\text{ms whichever is the lesser}]$$

$$\text{Duty Cycle Correction Factor} = 10 \log 1 / [\text{On Time } (T_{ON})] / [\text{Period}(T_{ON}+ T_{OFF}) \text{ or } 100\text{ms whichever is the lesser}]$$
3. Duty cycles were measured with worst case SISO mode; as they found to be same independent of number of transmitter chains used.
4. These results are valid for all supported SISO & MIMO modes as well as for listed Antennas.
5. The RF port on the EUT was connected to the spectrum analyser using suitable attenuation and RF cable. The measured values takes into consideration the external attenuation correction factors which is compensated by adding reference level offset of 26.80 dB@ 5.25-5.35 GHz to each of the conducted plots.

**Transmitter Duty Cycle (continued)**

**Test setup:**

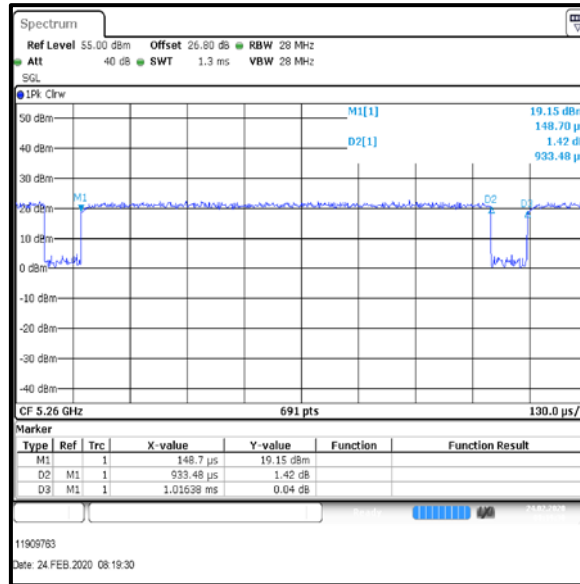




**Transmitter Duty Cycle (continued)**

**Results: 802.11a / 20MHz / 9Mbit**

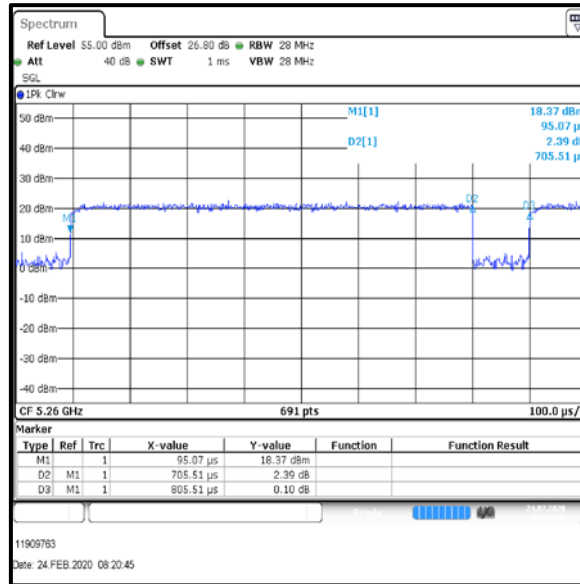
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> +T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
933.48	1016.38	91.844	0.4



**Transmitter Duty Cycle (continued)**

**Results: 802.11a / 20MHz / 12Mbit**

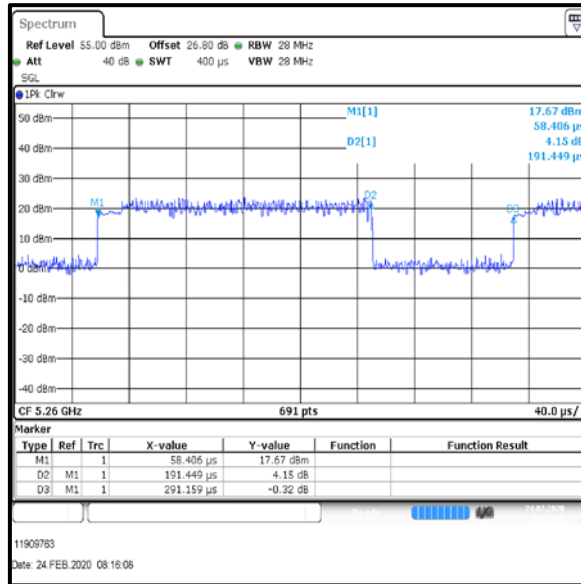
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
705.51	805.51	87.586	0.6



**Transmitter Duty Cycle (continued)**

**Results: 802.11a / 20MHz / 48Mbit**

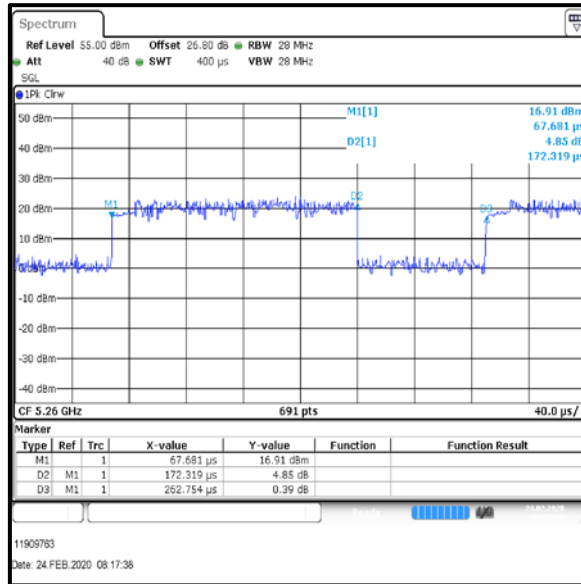
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
191.449	291.159	65.754	1.8



**Transmitter Duty Cycle (continued)**

**Results: 802.11a / 20MHz / 54Mbit**

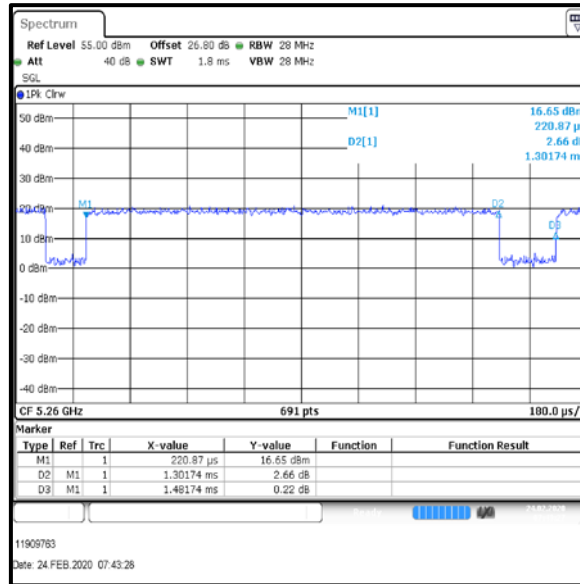
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
172.319	262.754	65.582	1.8



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT20 / MCS0**

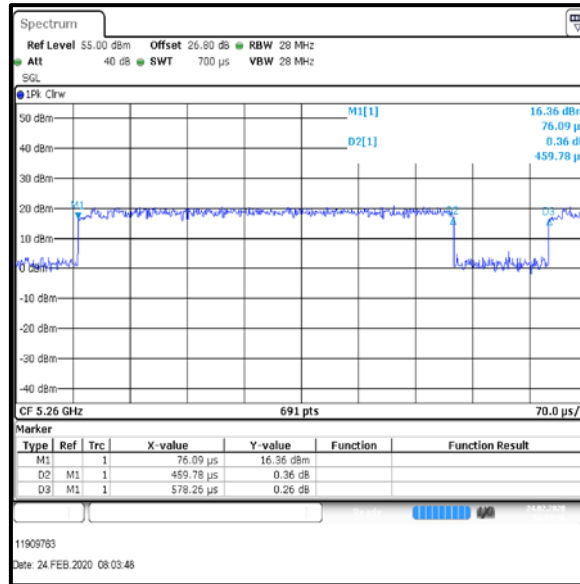
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
1301.74	1481.74	87.852	0.6



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT20 / MCS2**

Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
459.78	578.26	79.511	1.0



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT20 / MCS3**

Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
352.014	443.225	79.421	1.0

