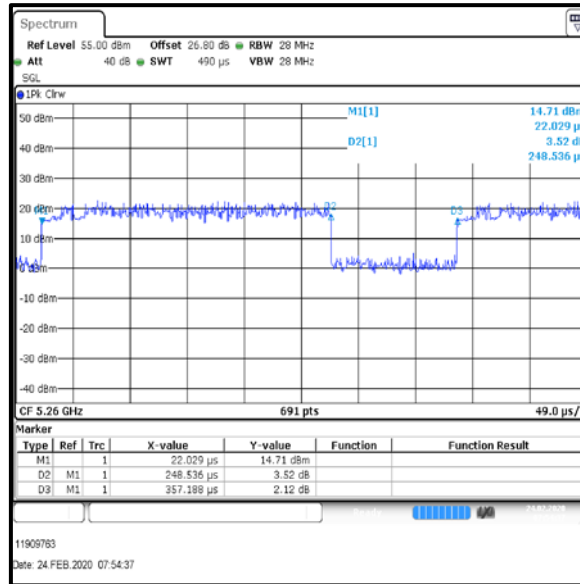


**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT20 / MCS4**

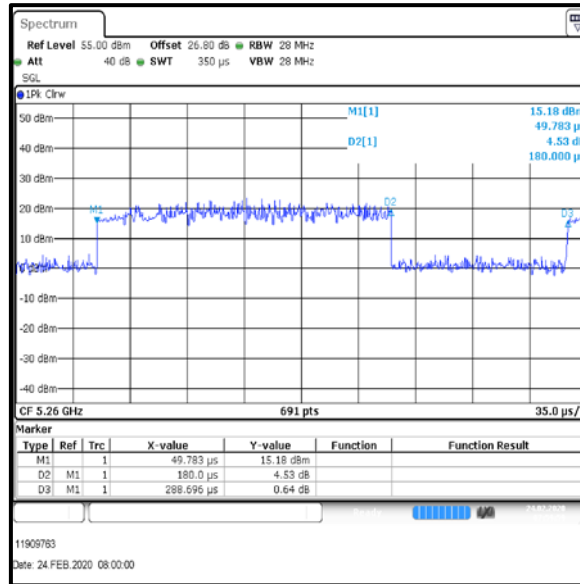
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
248.536	357.188	69.581	1.6



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT20 / MCS6**

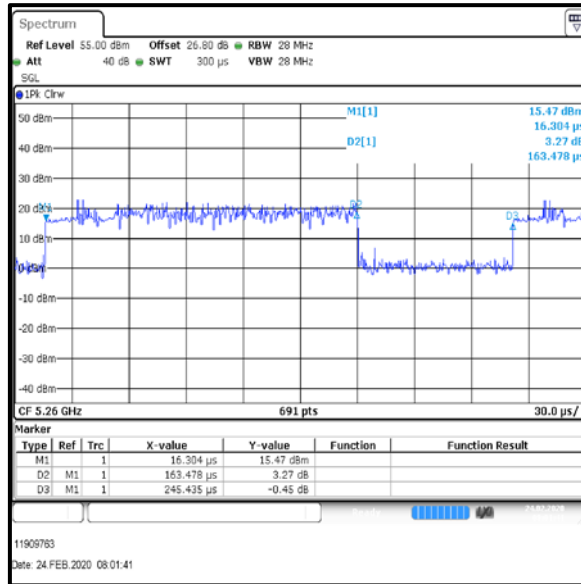
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
180.0	288.696	62.349	2.1



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT20 / MCS7**

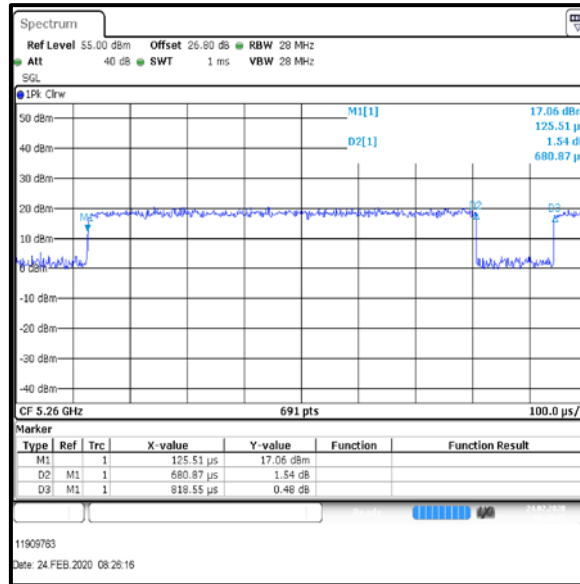
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
163.478	245.435	66.607	1.8



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT20 / MCS0**

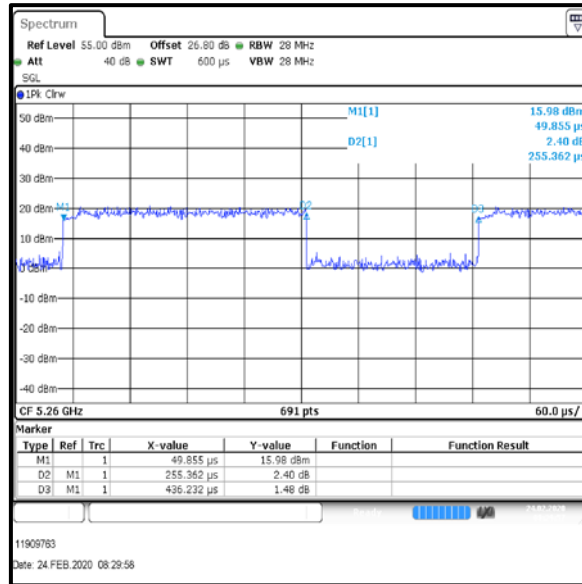
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
680.87	818.55	83.18	0.8



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT20 / MCS2**

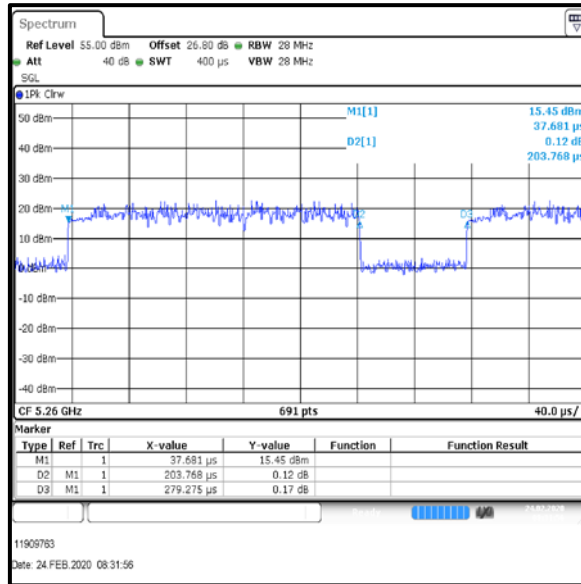
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
255.362	436.232	58.538	2.3



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT20 / MCS3**

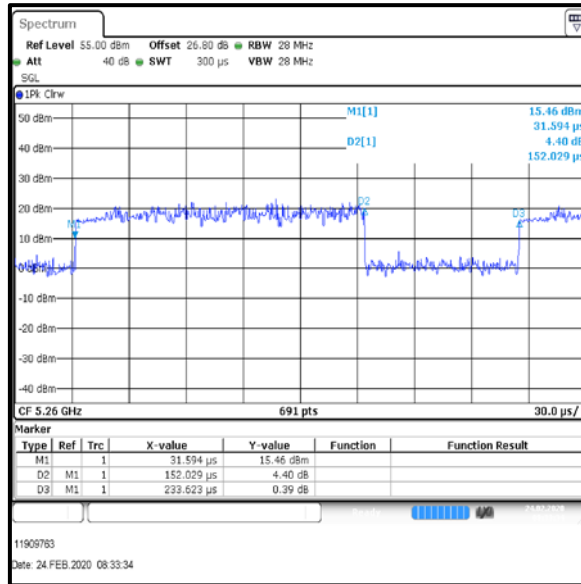
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> +T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
203.768	279.275	72.963	1.4



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT20 / MCS4**

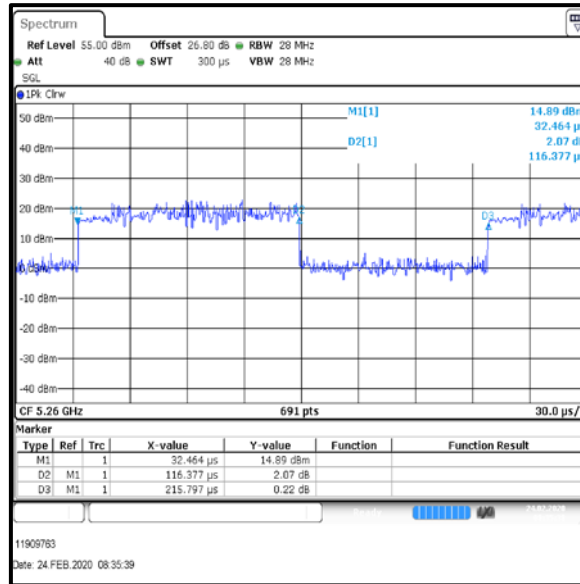
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
152.029	233.623	65.075	1.9



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT20 / MCS6**

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)
116.377	215.797	53.929	2.7

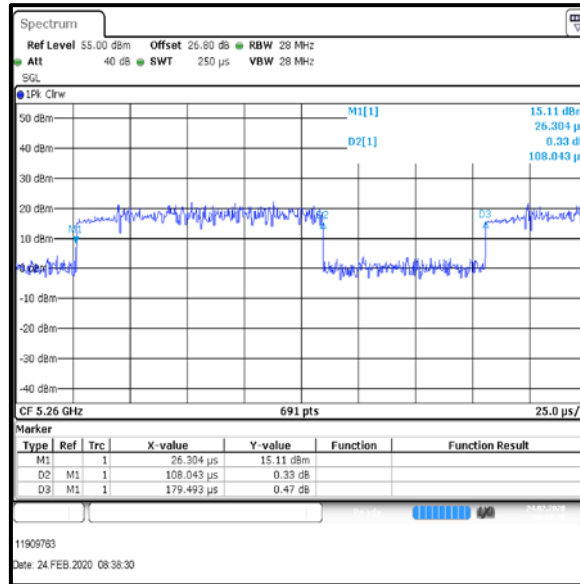




**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT20 / MCS7**

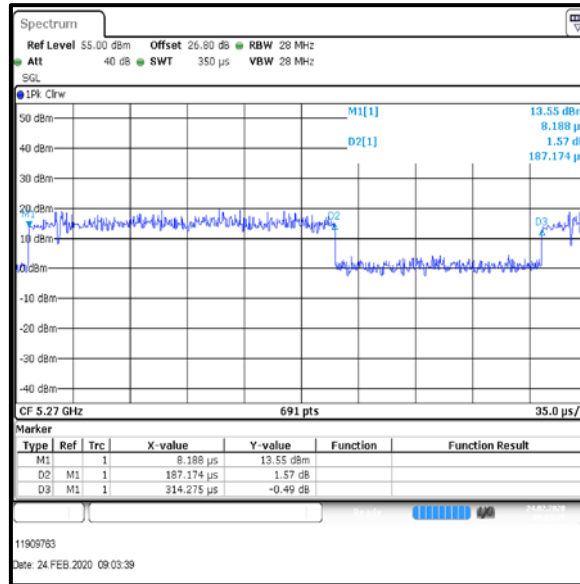
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
108.043	179.493	60.193	2.2



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT40 / MCS3**

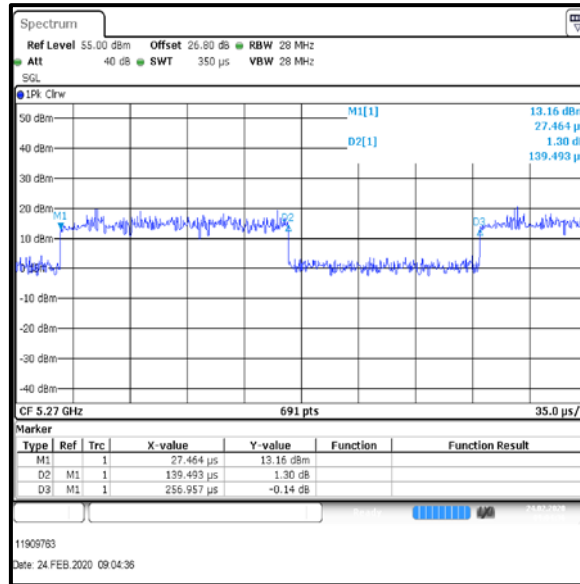
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
187.174	314.275	59.557	2.3



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT40 / MCS4**

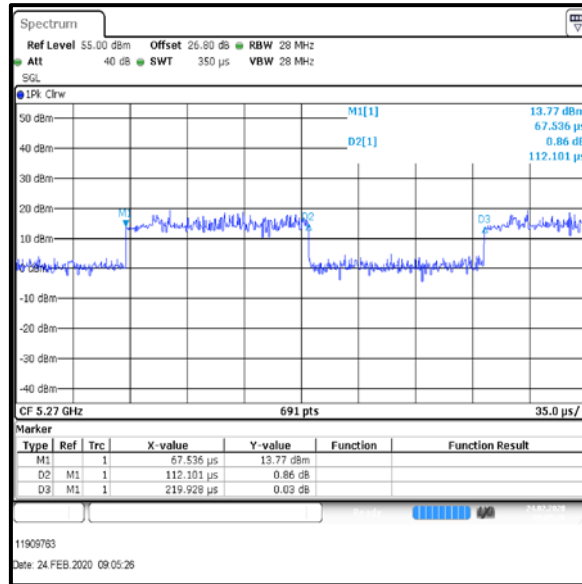
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
139.493	256.957	54.287	2.7



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT40 / MCS5**

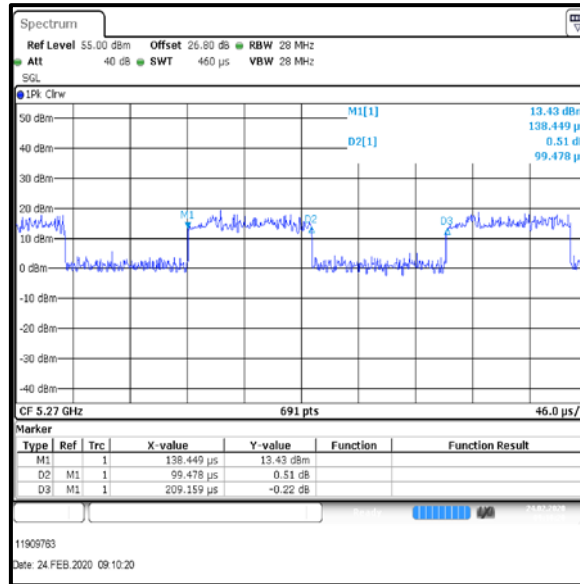
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
112.101	219.928	50.972	2.9



**Transmitter Duty Cycle (continued)**

**Results: 802.11n / HT40 / MCS7**

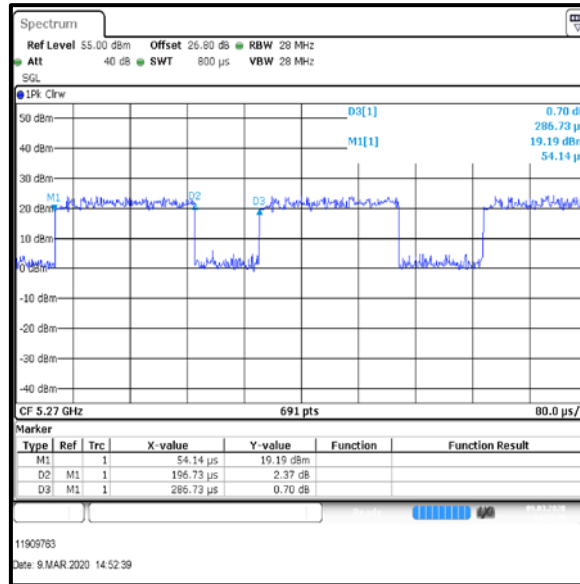
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
99.478	209.159	47.561	3.2



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT40 / MCS3**

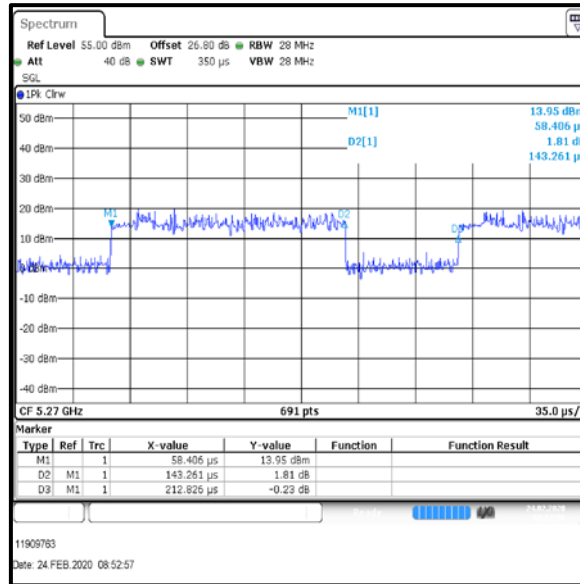
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
196.73	286.73	68.61	1.6



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT40 / MCS4**

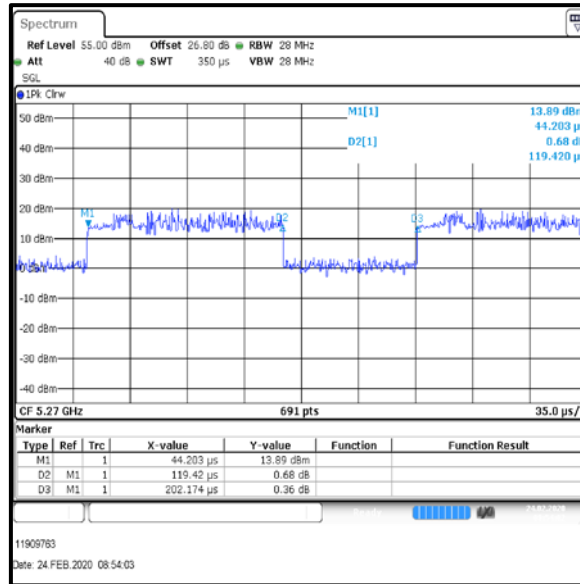
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
143.261	212.826	67.314	1.7



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT40 / MCS5**

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)
119.42	202.174	59.068	2.3

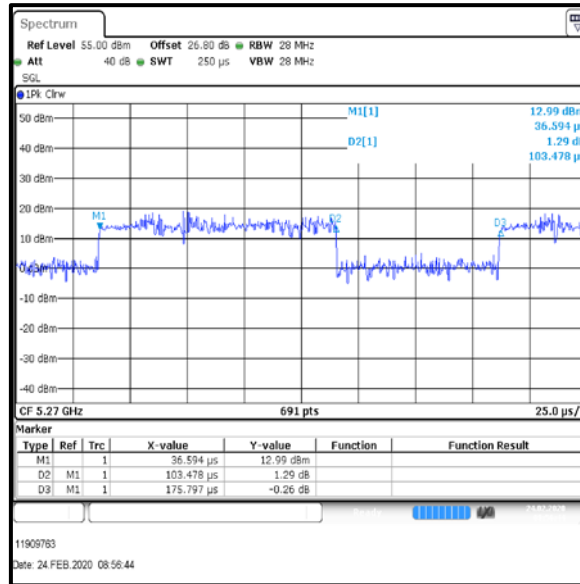




**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT40 / MCS7**

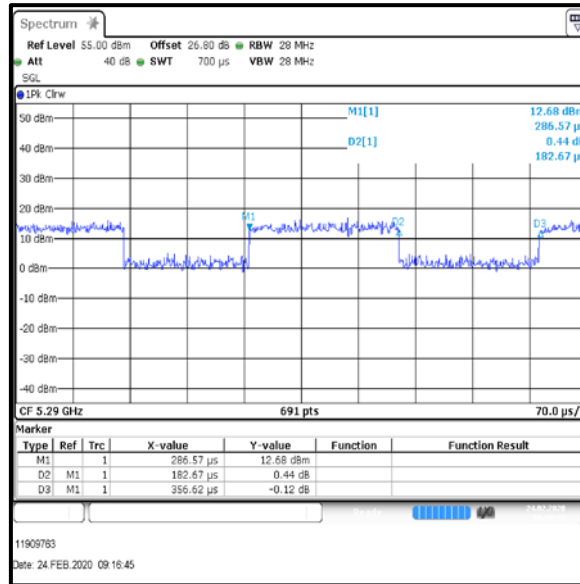
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
103.478	175.797	58.862	2.3



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT80 / MCS1**

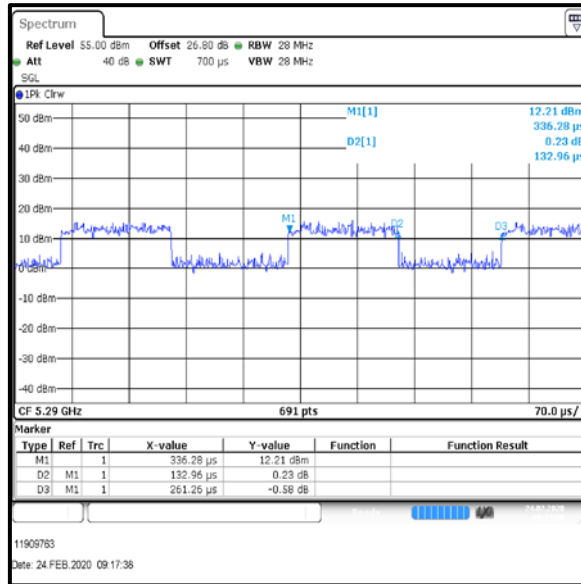
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
182.67	356.62	51.223	2.9



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT80 / MCS2**

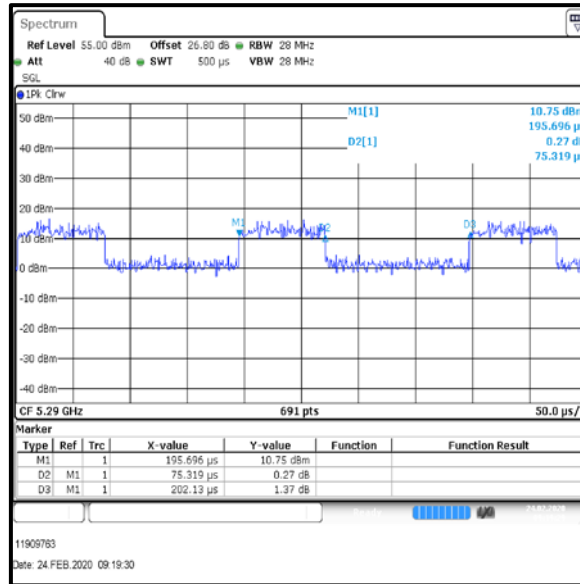
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
132.96	261.26	50.892	2.9



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT80 / MCS5**

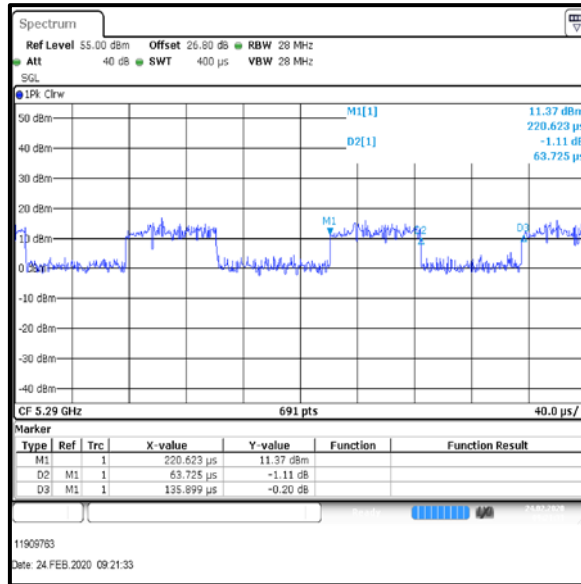
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
75.319	202.13	37.263	4.3



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT80 / MCS8**

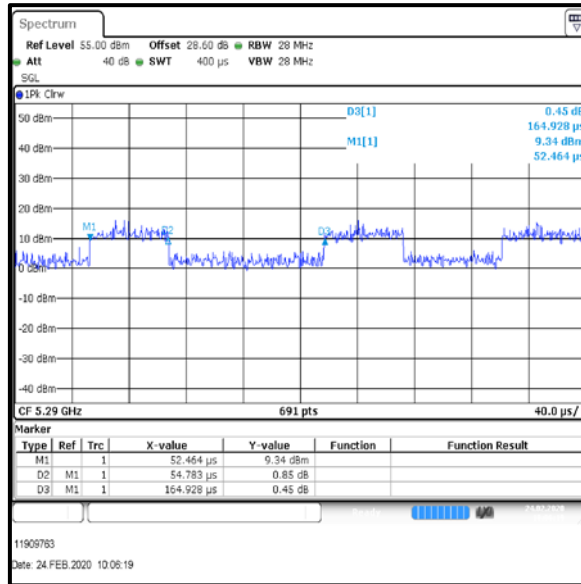
Pulse On Time (T <sub>ON</sub> ) (µs)	Pulse Period (T <sub>ON</sub> + T <sub>OFF</sub> ) (µs)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
63.725	135.899	46.891	3.3



**Transmitter Duty Cycle (continued)**

**Results: 802.11ac / HT80 / MCS9**

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)
54.783	164.928	33.216	4.8



### 5.2.4. Transmitter Maximum Conducted Output Power

#### Test Summary:

<b>Test Engineer:</b>	Krume Ivanov & Sercan Usta	<b>Test Dates:</b>	15 February 2020 to 17 February 2020
<b>Test Sample Serial Number:</b>	192.168.0.65		
<b>Test Site Identification</b>	SR 9		

<b>FCC Reference:</b>	Part 15.407(a)(2)
<b>Test Method Used:</b>	KDB 789033 D02 Section II.E.2.d) KDB 662911 D01 Section E) 1)

#### Environmental Conditions:

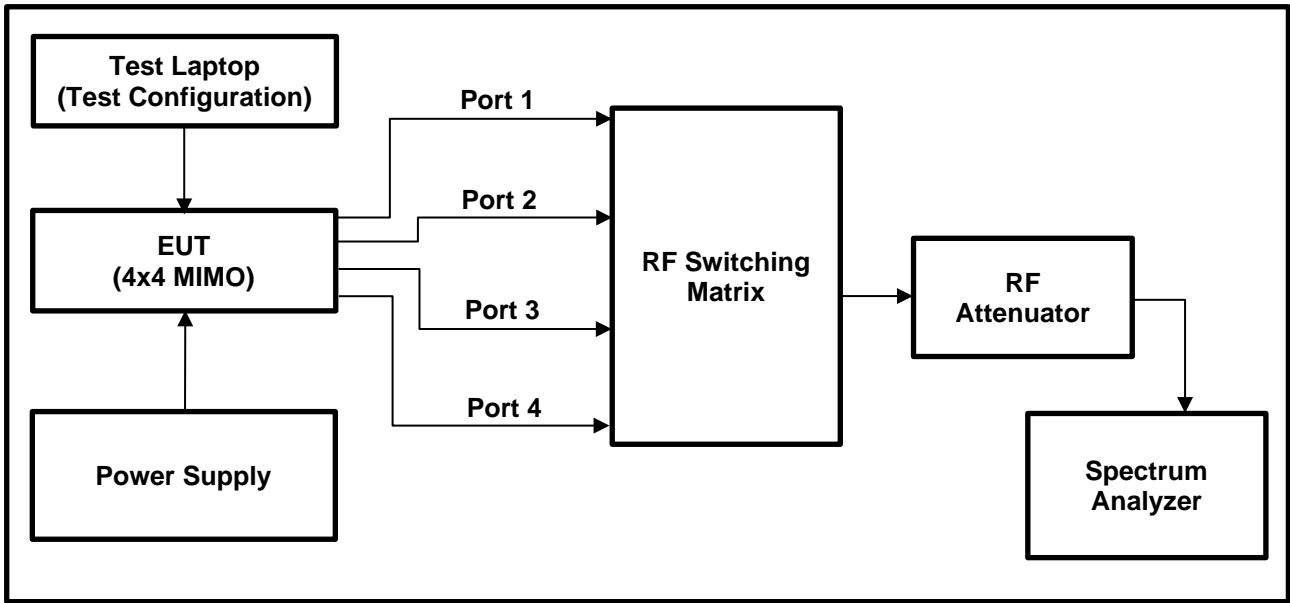
<b>Temperature (°C):</b>	20 to 27
<b>Relative Humidity (%):</b>	24 to 38

#### Notes:

1. For conducted power tests 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 99% 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 300 traces performed. The span was set to encompass the entire 99% occupied bandwidth. The channel power results are recorded in the tables below.
2. 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.
3. For MIMO, power was measured across relevant ports and then combined using the measure-and-sum technique stated in FCC KDB 662911 D01 Section E)1).
4. In accordance with 15.407(a)(2) maximum conducted output power shall not exceed shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth (MHz) .
5. In accordance with KDB 789033 D02 Section II.E.2.d) (x) alternative method, power is computed by integrating the spectrum across the entire 99% occupied bandwidth.
6. Relevant 99% occupied bandwidth results for all tested modes are achieved on the company server and available for inspection if required.
7. For all data rates the EUT was transmitting at <98% duty cycle, the calculated duty cycle in section 5.2.3 was added to the measured power in order to compute the average power during the actual transmission time.
8. The EUT antennas have a directional gain of > 6 dBi.
9. In accordance with 15.407(a)(2), transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power limits shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
10. In accordance with FCC KDB 662911 F)2)f)(i), the array gain for 802.11 devices with NANT ≤4 is 0 dB. No array gain has been to the measurements in this section.
11. Therefore for 9 dBi Antenna, reduced maximum conducted output power limits are as follows:
  - the limit of 250 mW ≈ 24 dB has been reduced by 3 dB to 21 dBm
  - or
  - the limit of 11 dBm + 10 log B has been reduced by 3 dB to 8 dBm + 10 log B
12. Therefore for 9 dBi Antenna the lesser of above limits has been applied.

**Transmitter Maximum Conducted Output Power (continued)**

**Test setup:**





**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	12.1	1.8	13.9	21	7.1	Complied
Middle	12.0	1.8	13.8	21	7.2	Complied
Top-1	11.9	1.8	13.7	21	7.3	Complied

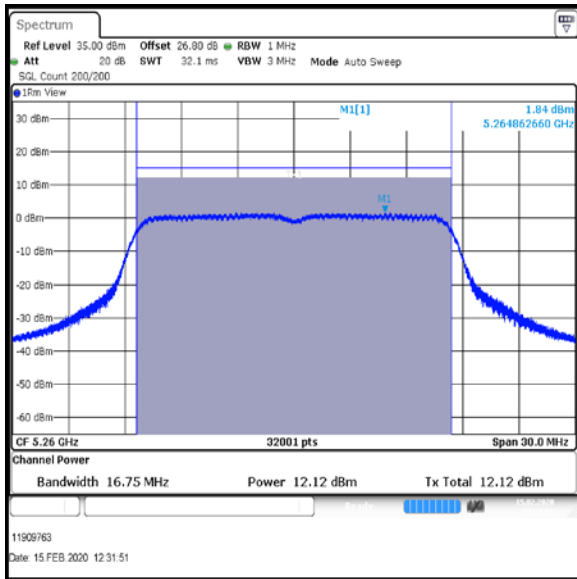
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	13.9	9	22.9	30	7.1	Complied
Middle	13.8	9	22.8	30	7.2	Complied
Top-1	13.7	9	22.7	30	7.3	Complied

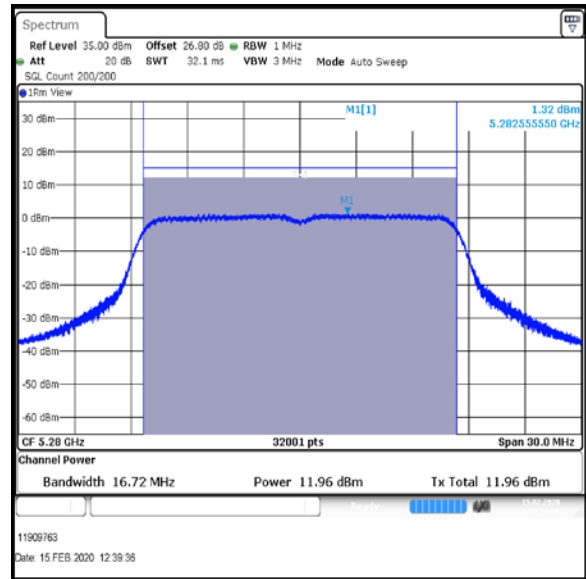
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

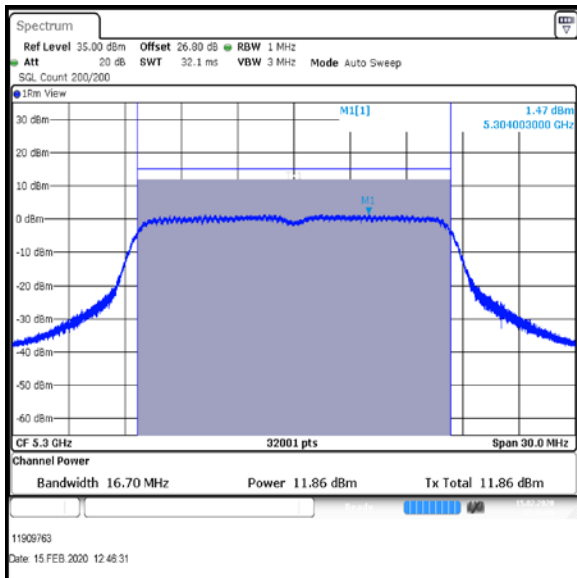
**Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Top	5.5	1.8	7.3	21	13.7	Complied

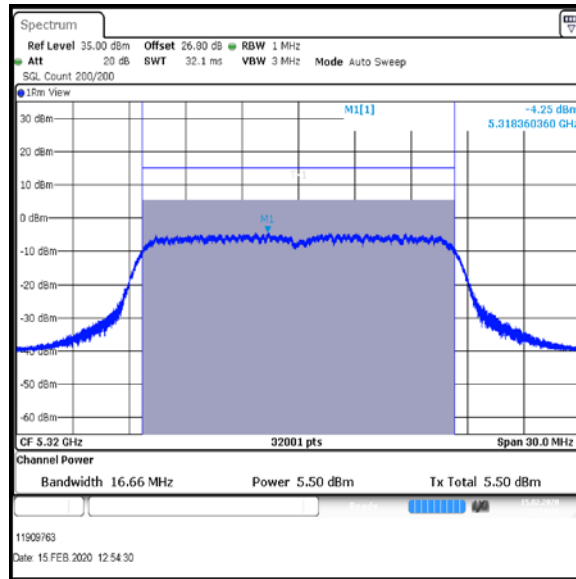
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	7.3	9	16.3	30	13.7	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 48Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	11.9	1.8	13.7	21	7.3	Complied
Middle	11.7	1.8	13.5	21	7.5	Complied
Top-1	11.7	1.8	13.5	21	7.5	Complied

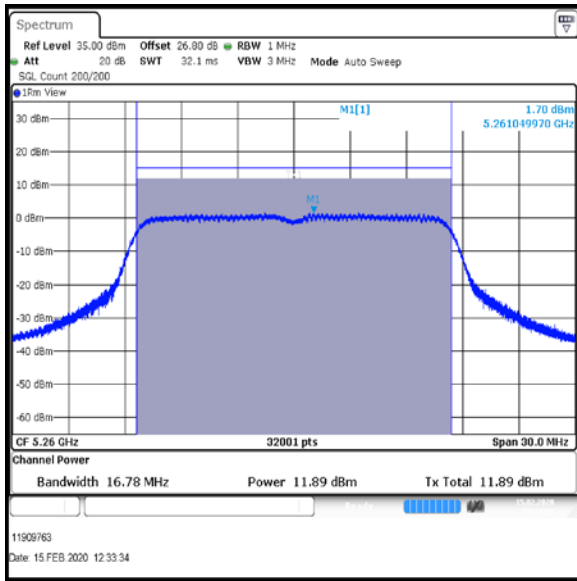
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	13.7	9	22.7	30	7.3	Complied
Middle	13.5	9	22.5	30	7.5	Complied
Top-1	13.5	9	22.5	30	7.5	Complied

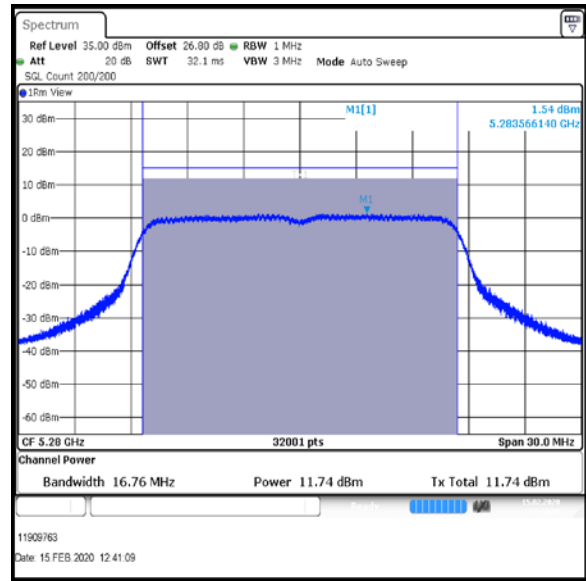
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

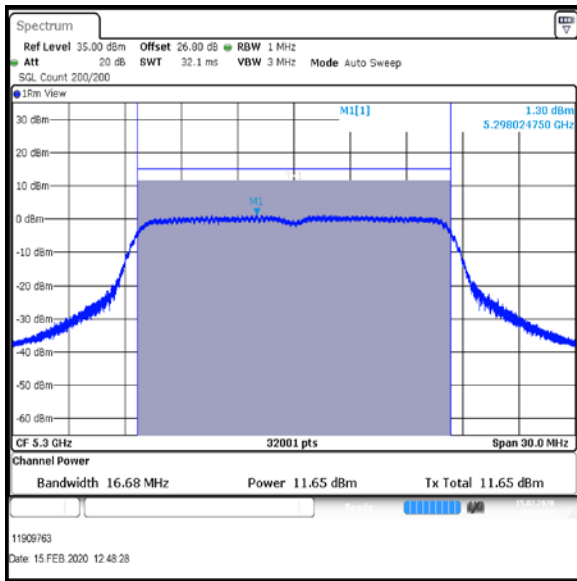
**Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1**



Bottom Channel



Middle Channel



Top-1 Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Top	5.1	1.8	6.9	21	14.1	Complied

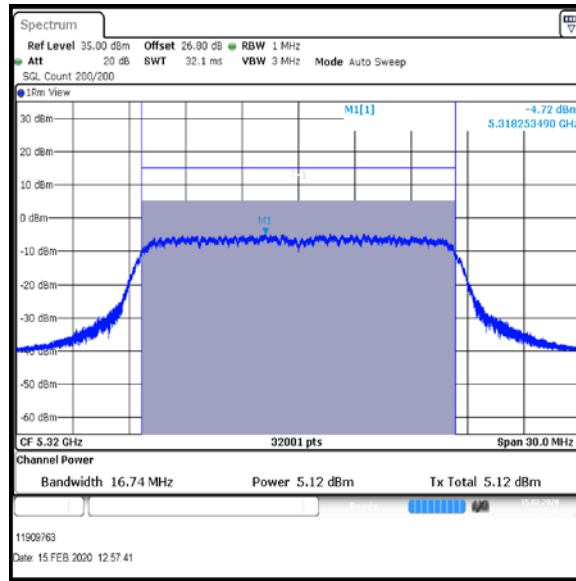
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	6.9	9	15.9	30	14.1	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Top Channel

Result: **Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	13.3	1.0	14.3	21	6.7	Complied
Middle	13.1	1.0	14.1	21	6.9	Complied
Top-1	13.0	1.0	14.0	21	7.0	Complied

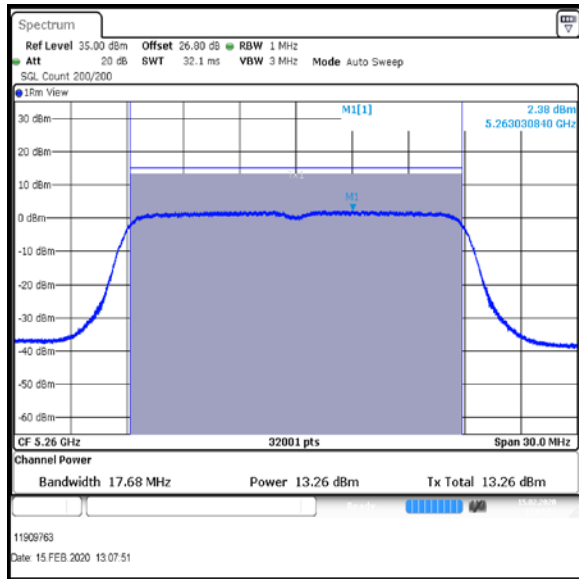
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	14.3	9	23.3	30	6.7	Complied
Middle	14.1	9	23.1	30	6.9	Complied
Top-1	14.0	9	23.0	30	7.0	Complied

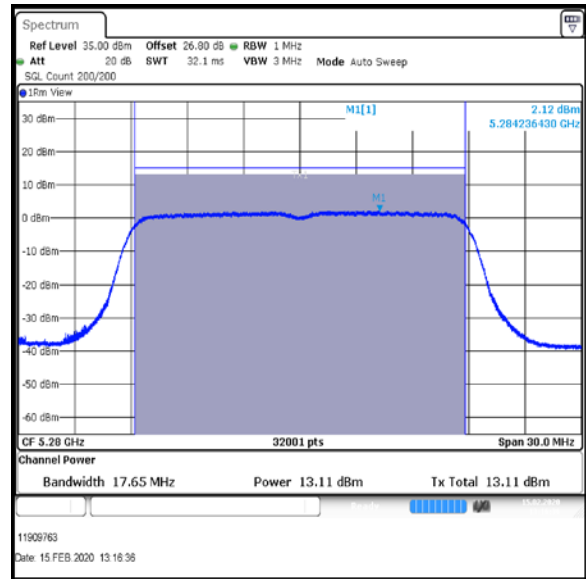
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

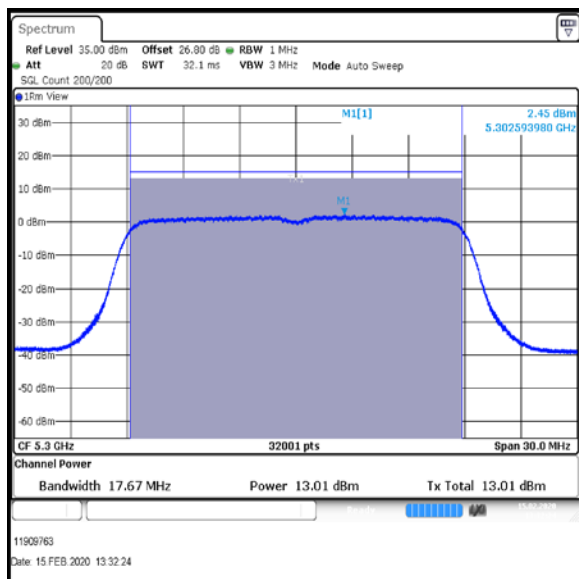
**Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Top	8.7	1.0	9.7	21	11.3	Complied

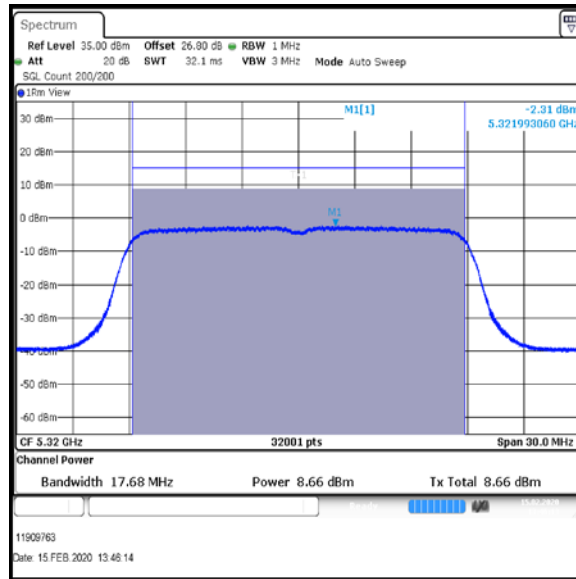
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	9.7	9	18.7	30	11.3	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	12.1	2.1	14.2	21	6.8	Complied
Middle	11.9	2.1	14.0	21	7.0	Complied
Top-1	11.8	2.1	13.9	21	7.1	Complied

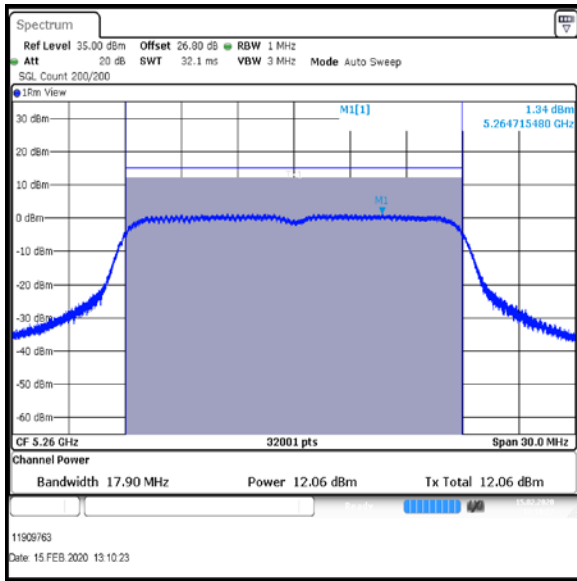
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	14.2	9	23.2	30	6.8	Complied
Middle	14.0	9	23.0	30	7.0	Complied
Top-1	13.9	9	22.9	30	7.1	Complied

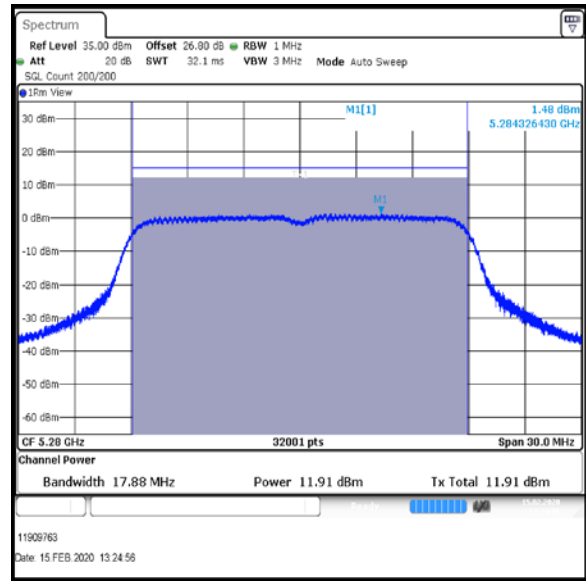
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

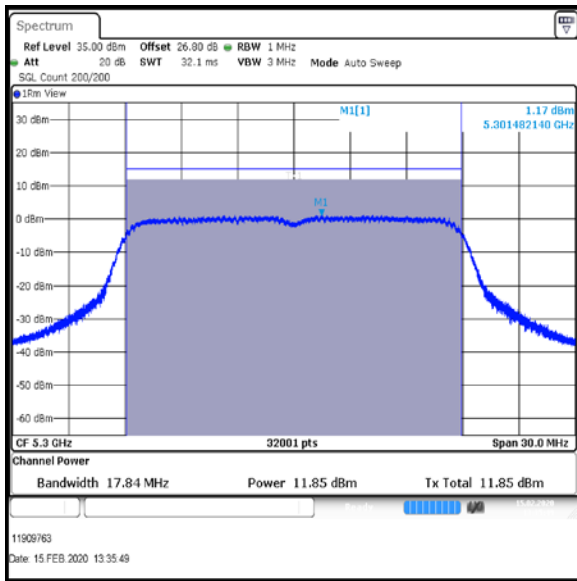
**Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Top	7.7	2.1	9.8	21	11.2	Complied

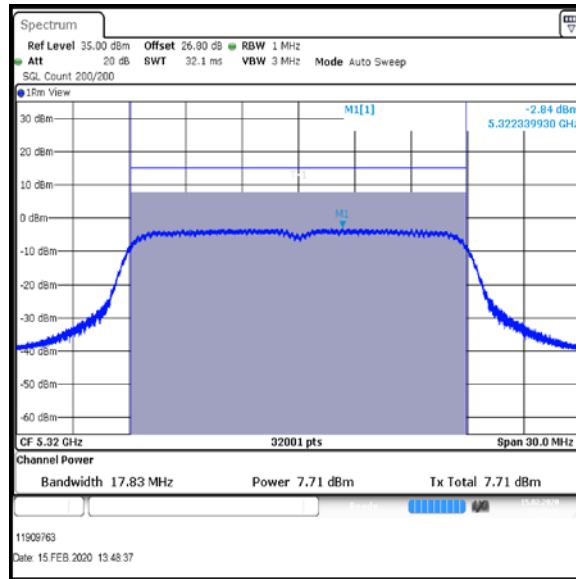
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	9.8	9	18.8	30	11.2	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Top Channel

Result: **Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	13.2	2.3	15.5	21	5.5	Complied
Middle	13.1	2.3	15.4	21	5.6	Complied
Top-1	12.5	2.3	14.8	21	6.2	Complied

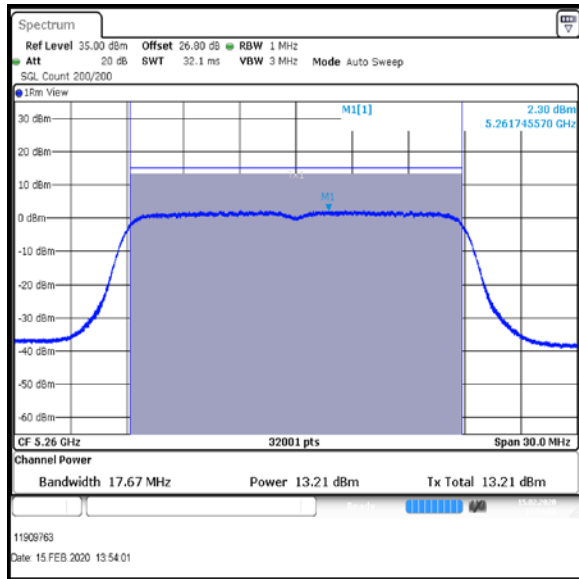
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.5	9	24.5	30	5.5	Complied
Middle	15.4	9	24.4	30	5.6	Complied
Top-1	14.8	9	23.8	30	6.2	Complied

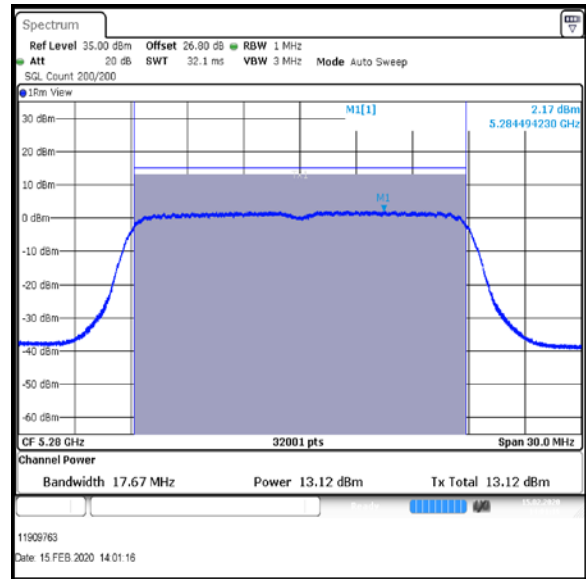
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

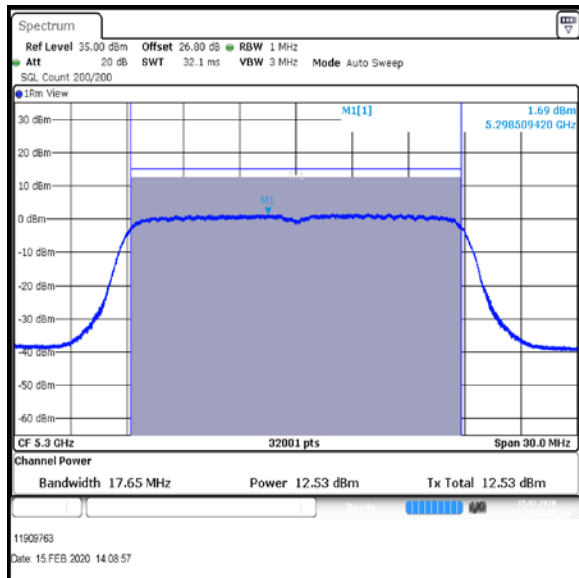
**Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1**



Bottom Channel



Middle Channel



Top-1 Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Top	8.6	2.3	10.9	21	10.1	Complied

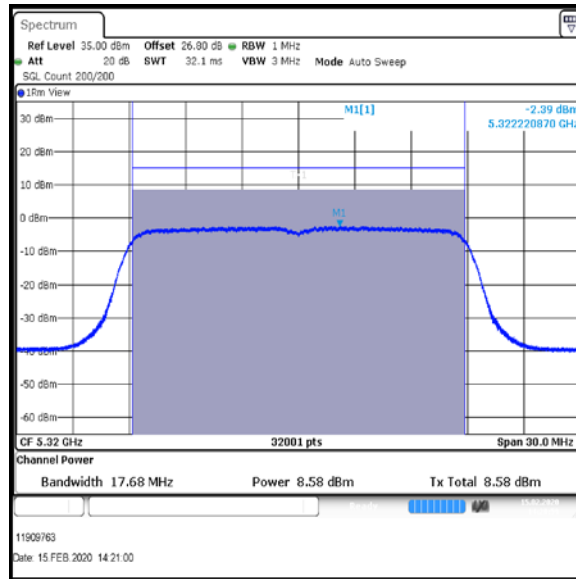
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	10.9	9	19.9	30	10.1	Complied

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS2 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	12.1	2.7	14.8	21	6.2	Complied
Middle	11.9	2.7	14.6	21	6.4	Complied
Top-1	11.0	2.7	13.7	21	7.3	Complied

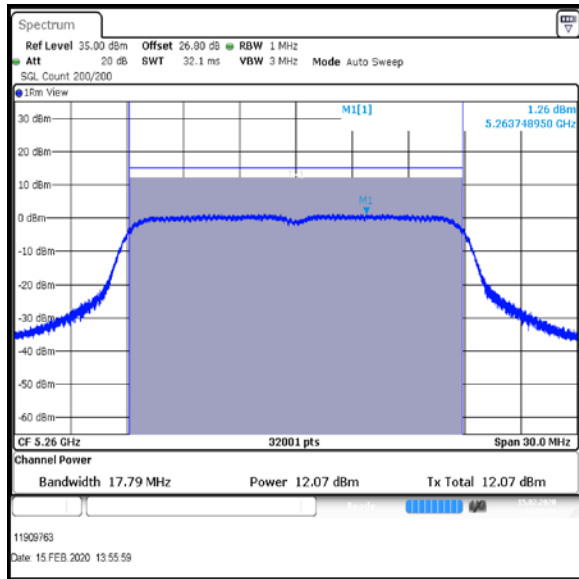
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	14.8	9	23.8	30	6.2	Complied
Middle	14.6	9	23.6	30	6.4	Complied
Top-1	13.7	9	22.7	30	7.3	Complied

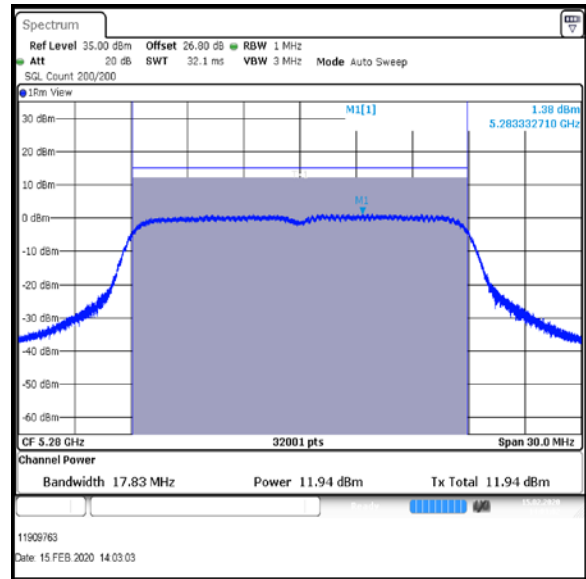
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

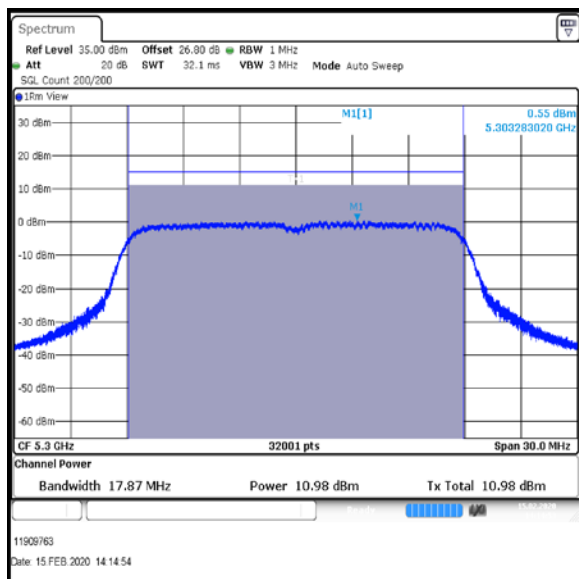
**Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 17 / 9 dBi Antenna Port 1**



Bottom Channel



Middle Channel



Top-1 Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Top	7.7	2.7	10.4	21	10.6	Complied

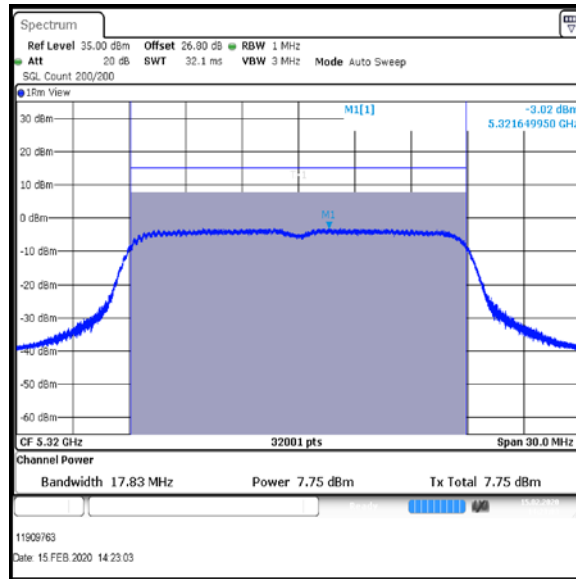
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	10.4	9	19.4	30	10.6	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS6 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Top Channel

Result: **Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	7.1	2.3	9.4	21	11.6	Complied
Top	7.3	2.3	9.6	21	11.4	Complied

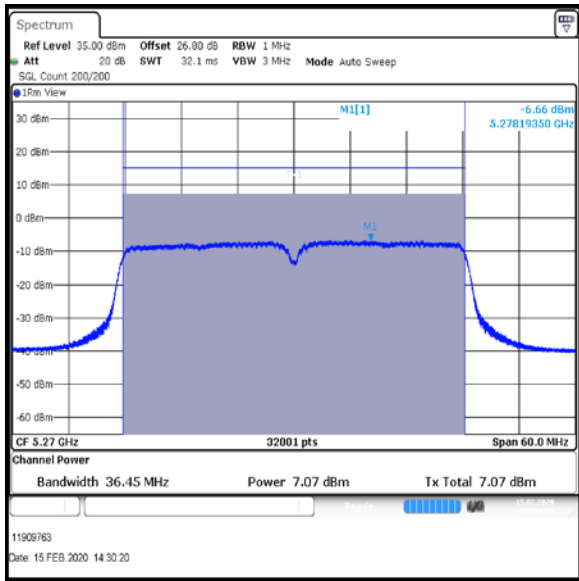
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.4	9	18.4	30	11.6	Complied
Top	9.6	9	18.6	30	11.4	Complied

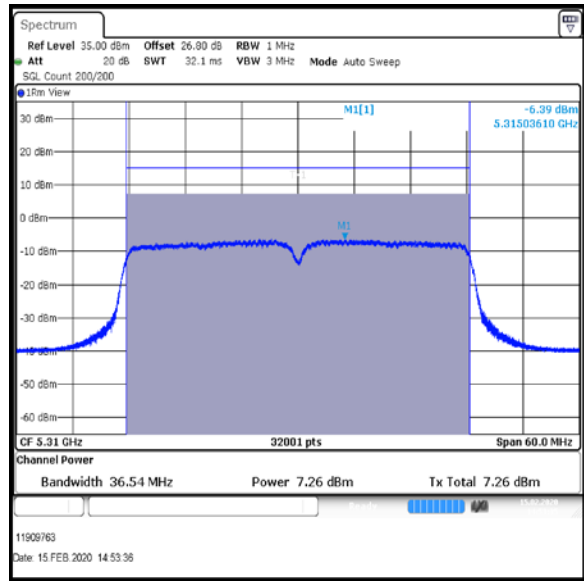
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Bottom Channel



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	6.5	2.7	9.2	21	11.8	Complied
Top	6.7	2.7	9.4	21	11.6	Complied

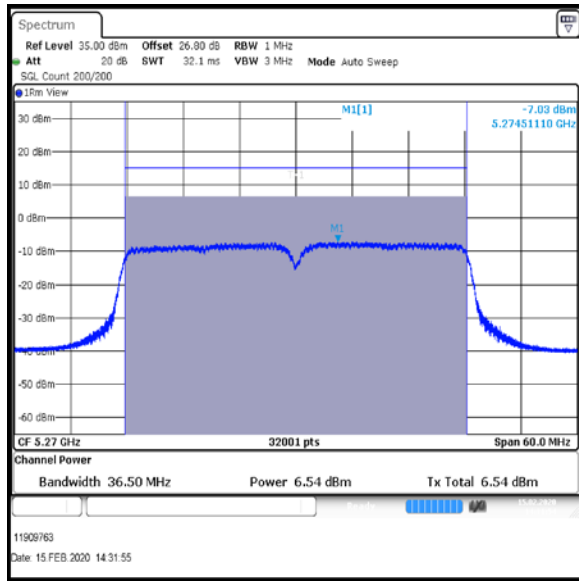
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.2	9	18.2	30	11.8	Complied
Top	9.4	9	18.4	30	11.6	Complied

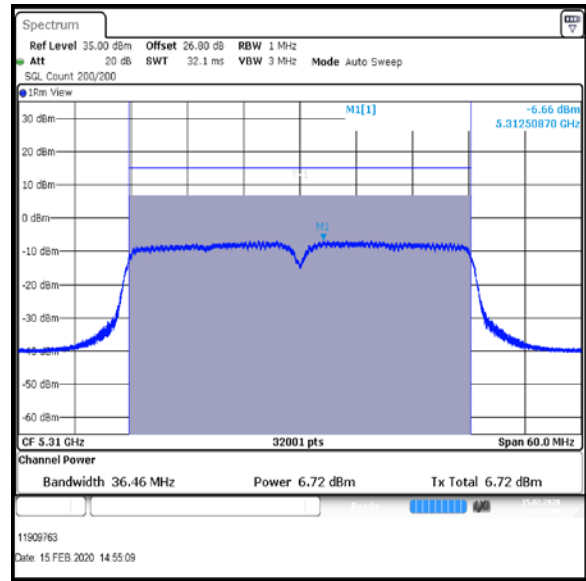
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



**Bottom Channel**



**Top Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	7.5	1.6	9.1	21	11.9	Complied
Top	7.4	1.6	9.0	21	12.0	Complied

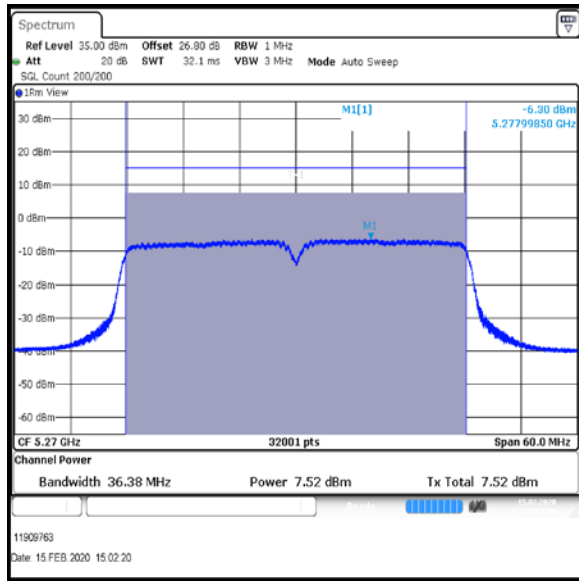
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.1	9	18.1	30	11.9	Complied
Top	9.0	9	18.0	30	12.0	Complied

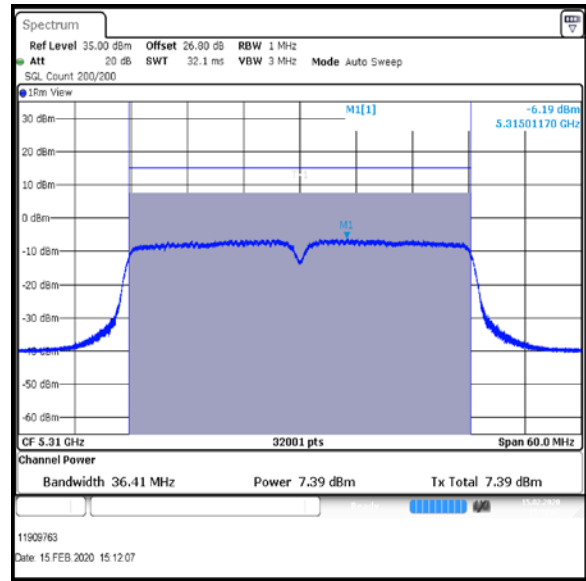
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT40 / MCS3 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Bottom Channel



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Bottom	7.0	1.7	8.7	21	12.3	Complied
Top	6.8	1.7	8.5	21	12.5	Complied

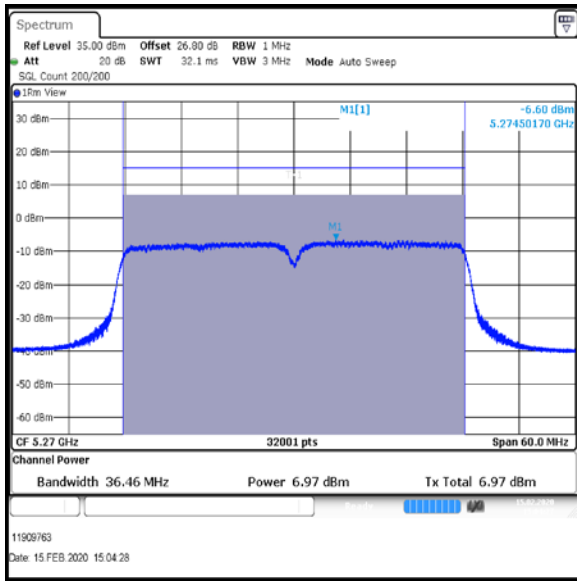
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	8.7	9	17.7	30	12.3	Complied
Top	8.5	9	17.5	30	12.5	Complied

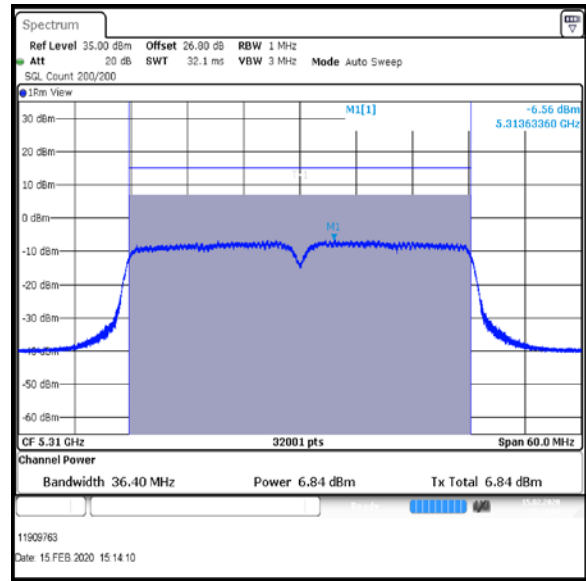
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT40 / MCS4 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Bottom Channel



Top Channel

Result: **Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT80 / MCS1 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	7.7	2.9	10.6	21	10.4	Complied

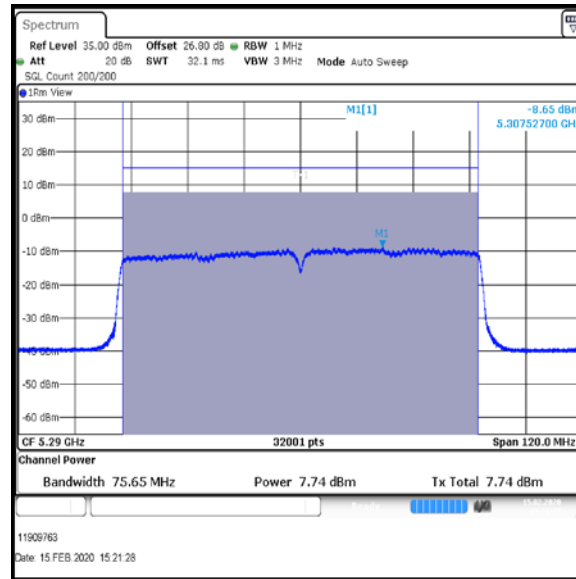
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Single	10.6	9	19.6	30	10.4	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT80 / MCS1 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Single Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT80 / MCS8 / SISO / Port 1 / PWL 12 / 9 dBi Antenna**

Channel	Conducted Power(dBm)	Duty Cycle Correction (dB)	Corrected Conducted Power (dBm)	Limit (dBm)	Margin (dB)	Result
Single	4.8	3.3	8.1	21	12.9	Complied

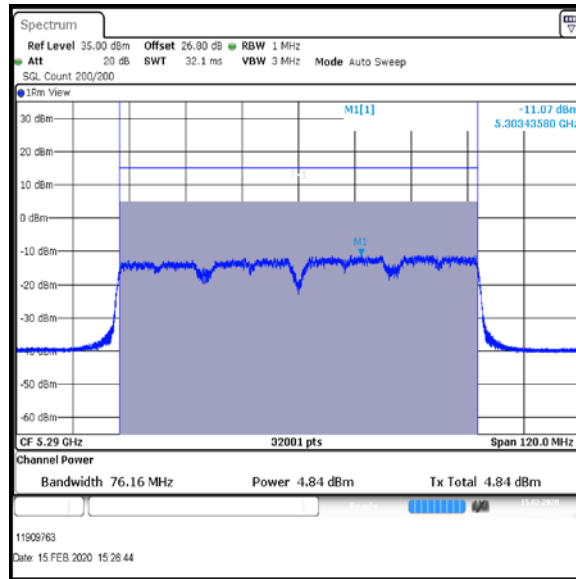
**De Facto EIRP Limit Comparison**

Channel	Corrected Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Single	8.1	9	17.1	30	12.9	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT80 / MCS8 / SISO / Port 1 / PWL 12 / 9 dBi Antenna Port 1**



Single Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	10.6	1.8	12.4	10.8	1.8	12.6
Middle	10.5	1.8	12.3	10.7	1.8	12.5
Top-1	9.6	1.8	11.4	9.7	1.8	11.5

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.4	12.6	15.5	21	5.5	Complied
Middle	12.3	12.5	15.4	21	5.6	Complied
Top-1	11.4	11.5	14.5	21	6.5	Complied

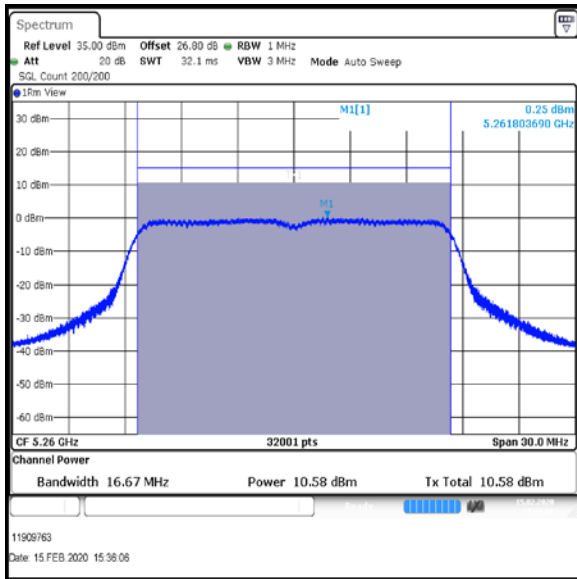
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.5	9	24.5	30	5.5	Complied
Middle	15.4	9	24.4	30	5.6	Complied
Top-1	14.5	9	23.5	30	6.5	Complied

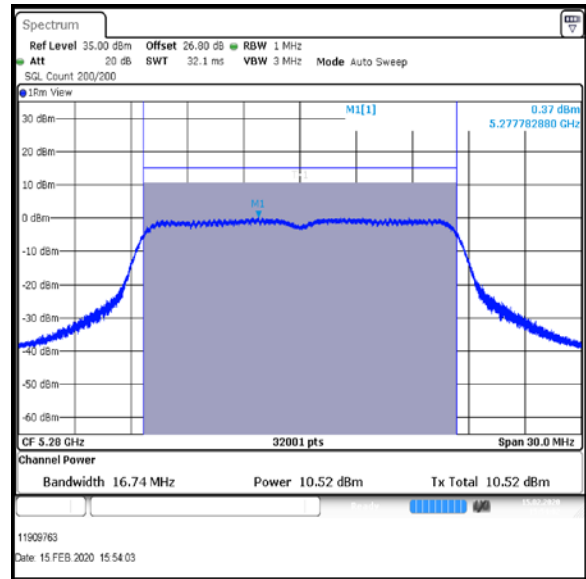
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

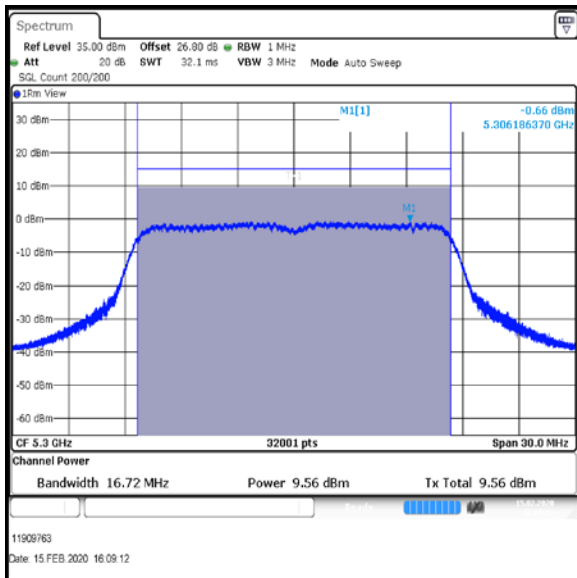
**Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1**



**Bottom Channel**



**Middle Channel**

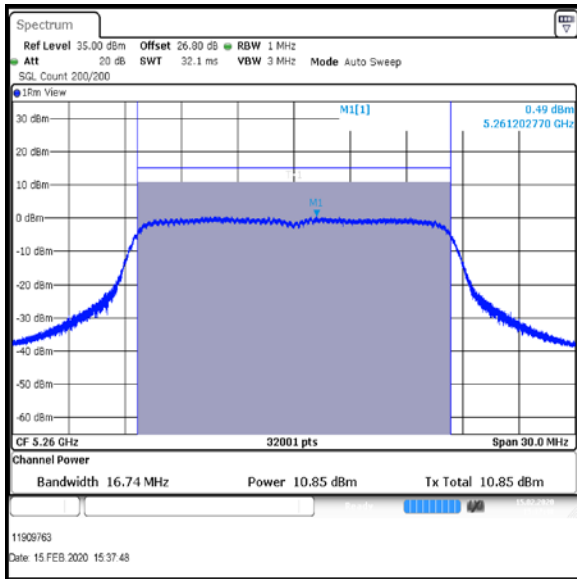


**Top-1 Channel**

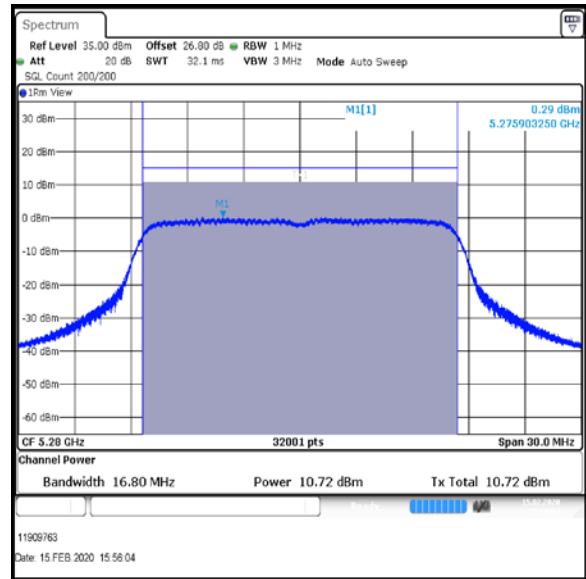
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

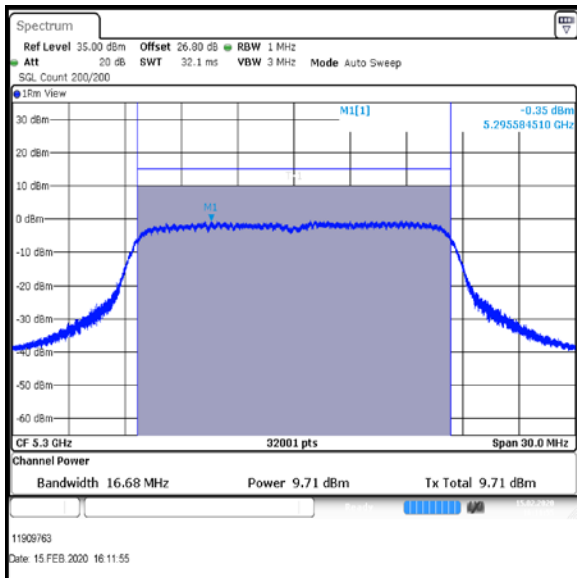
**Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Top	4.9	1.8	6.7	5.2	1.8	7.0

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Top	6.7	7.0	9.9	21	11.1	Complied

**De Facto EIRP Limit Comparison**

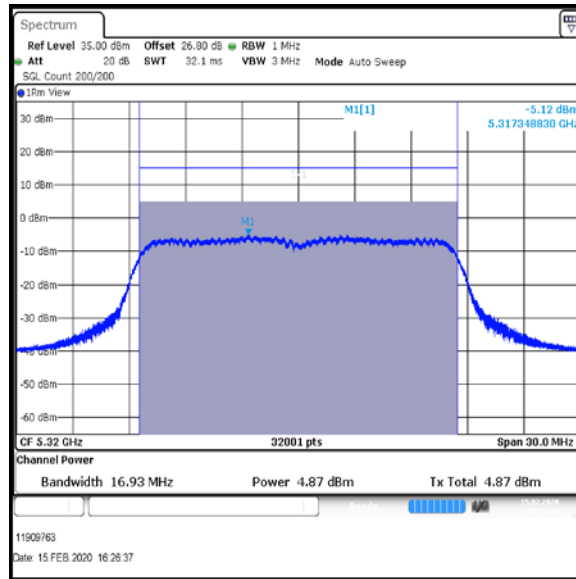
Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	9.9	9	18.9	30	11.1	Complied

**Result: Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1**

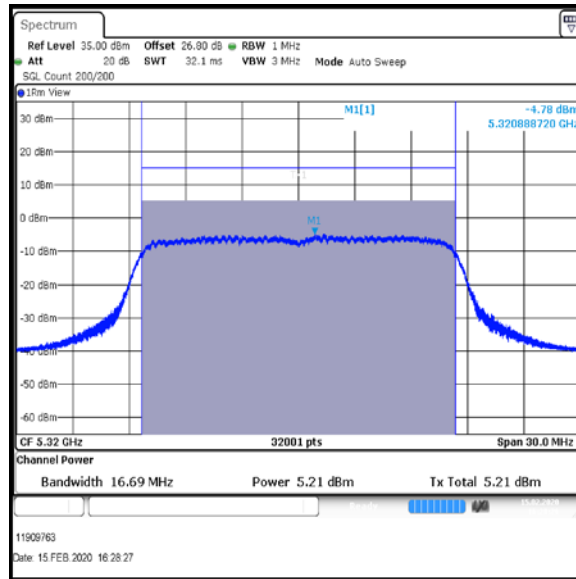


Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 48Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2**



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	10.4	1.8	12.2	10.7	1.8	12.5
Middle	10.3	1.8	12.1	10.6	1.8	12.4
Top-1	9.3	1.8	11.1	9.5	1.8	11.3

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.2	12.5	15.4	21	5.6	Complied
Middle	12.1	12.4	15.3	21	5.7	Complied
Top-1	11.1	11.3	14.2	21	6.8	Complied

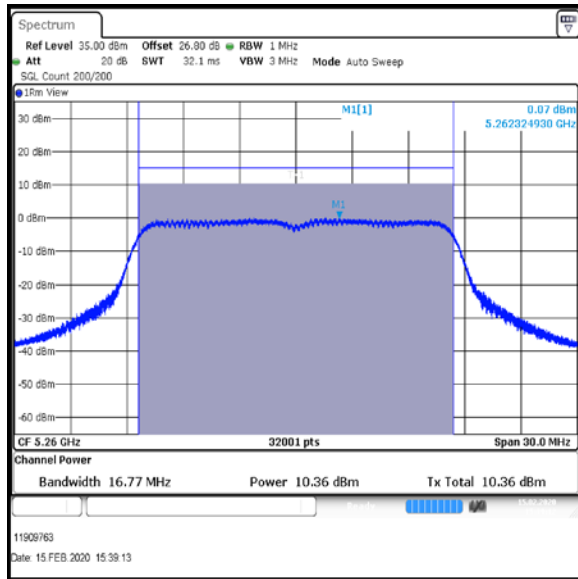
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.4	9	24.4	30	5.6	Complied
Middle	15.3	9	24.3	30	5.7	Complied
Top-1	14.2	9	23.2	30	6.8	Complied

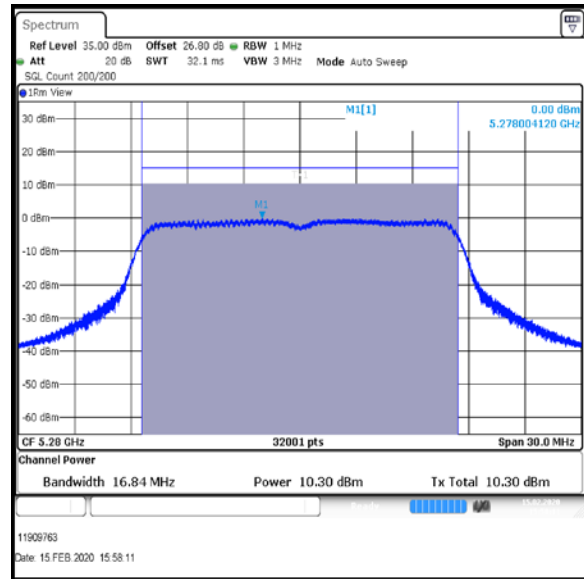
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

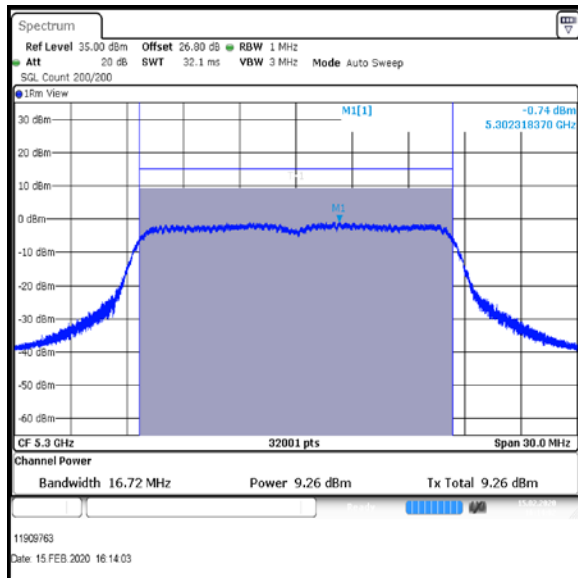
**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1**



**Bottom Channel**



**Middle Channel**

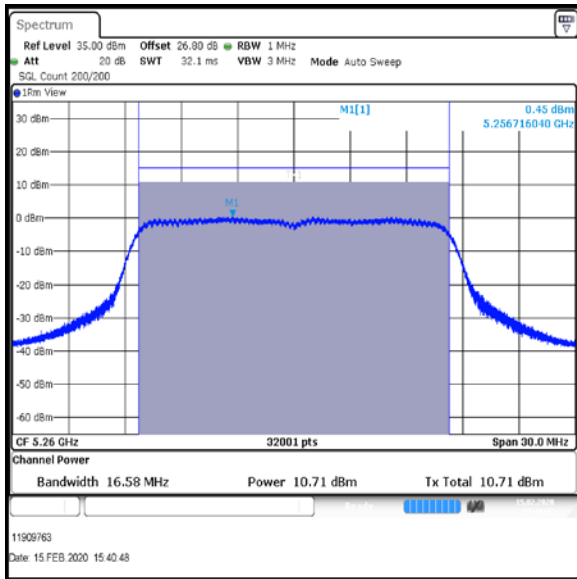


**Top-1 Channel**

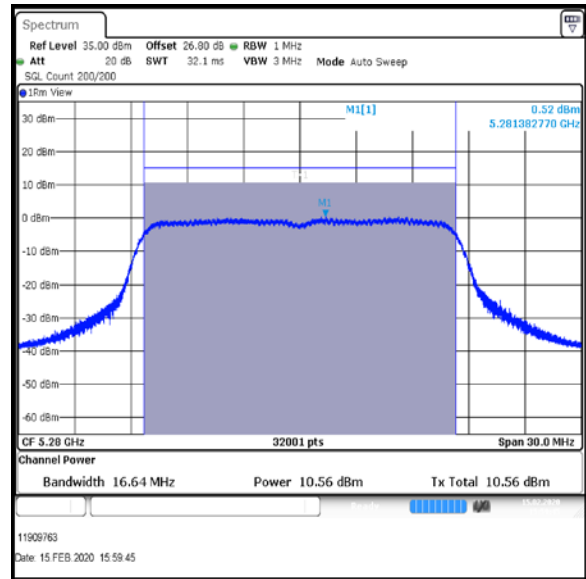
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

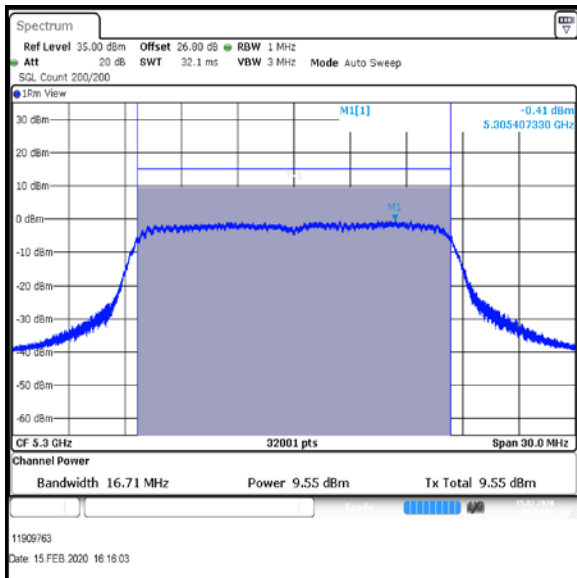
**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2**



Bottom Channel



Middle Channel



Top-1 Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Top	4.6	1.8	6.4	5.0	1.8	6.8

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Top	6.4	6.8	9.6	21	11.4	Complied

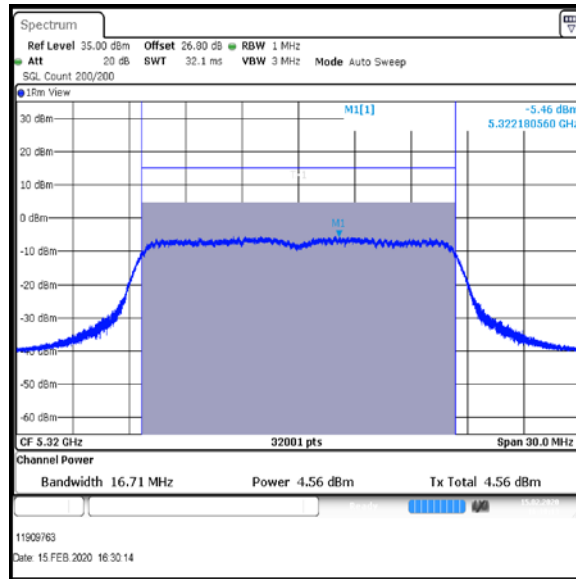
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	9.6	9	18.6	30	11.4	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1**

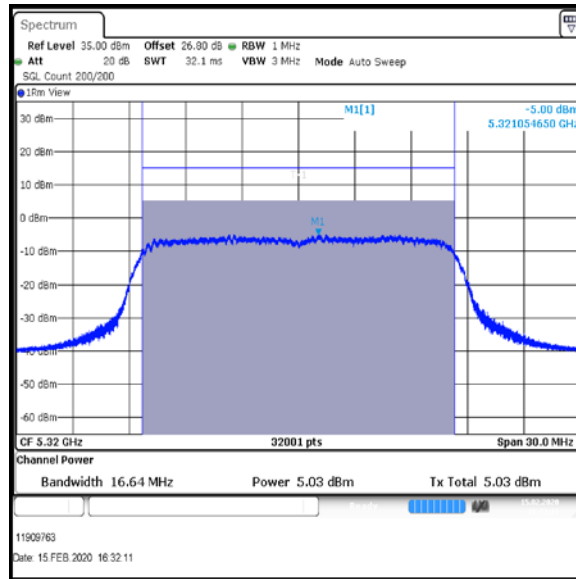


Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2**



Top Channel

Result: **Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	12.3	0.6	12.9	12.6	0.6	13.2
Middle	11.9	0.6	12.5	12.2	0.6	12.8
Top-1	12.2	0.6	12.8	12.6	0.6	13.2

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.9	13.2	16.1	21	4.9	Complied
Middle	12.5	12.8	15.7	21	5.3	Complied
Top-1	12.8	13.2	16.0	21	5.0	Complied

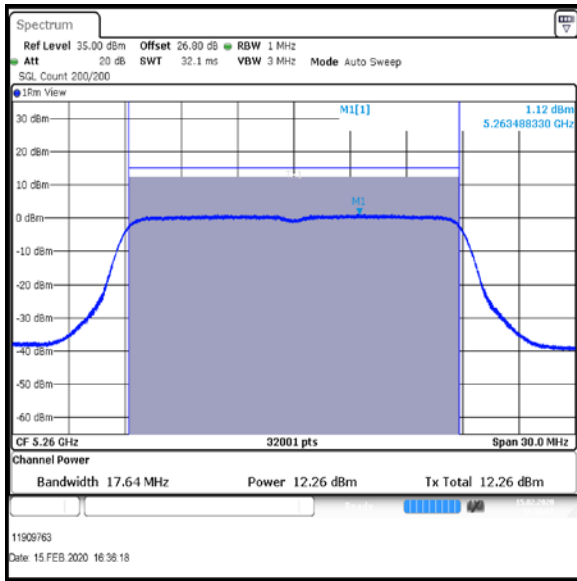
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	16.1	9	25.1	30	4.9	Complied
Middle	15.7	9	24.7	30	5.3	Complied
Top-1	16.0	9	25.0	30	5.0	Complied

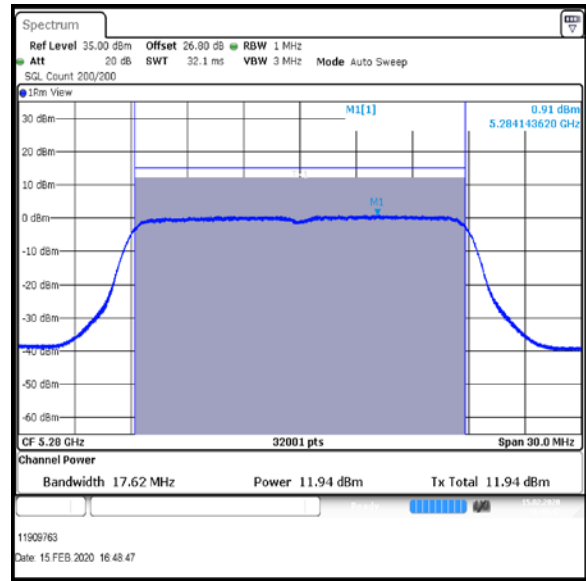
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

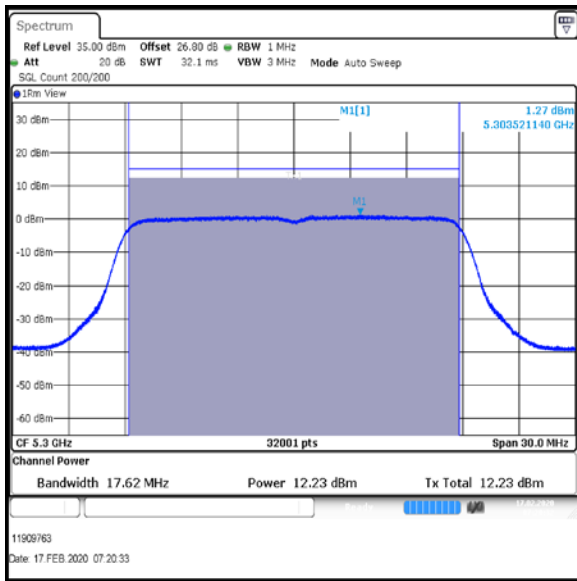
**Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1**



**Bottom Channel**



**Middle Channel**

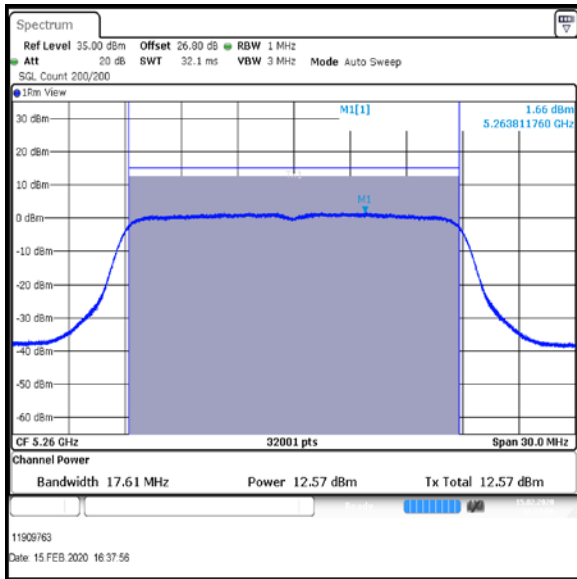


**Top-1 Channel**

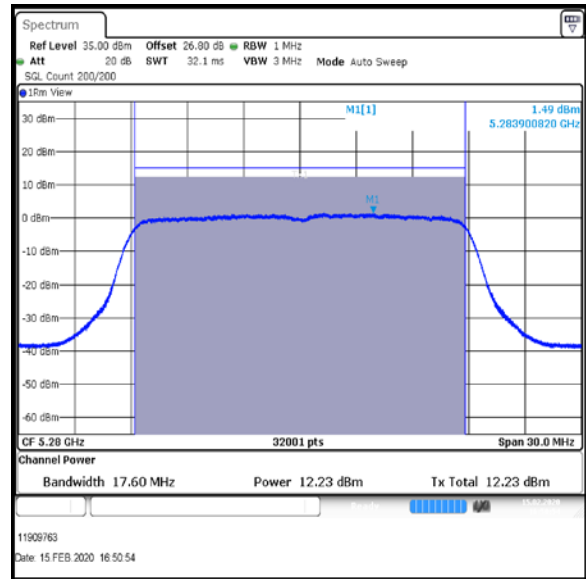
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

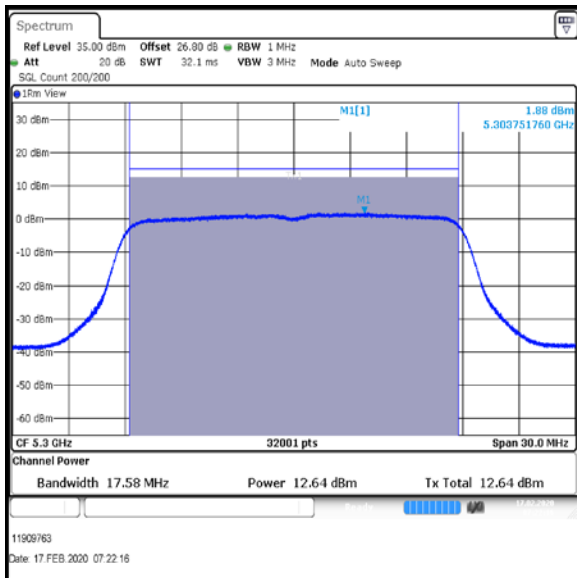
**Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Top	7.6	0.6	8.2	7.6	0.6	8.2

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Top	8.2	8.2	11.2	21	9.8	Complied

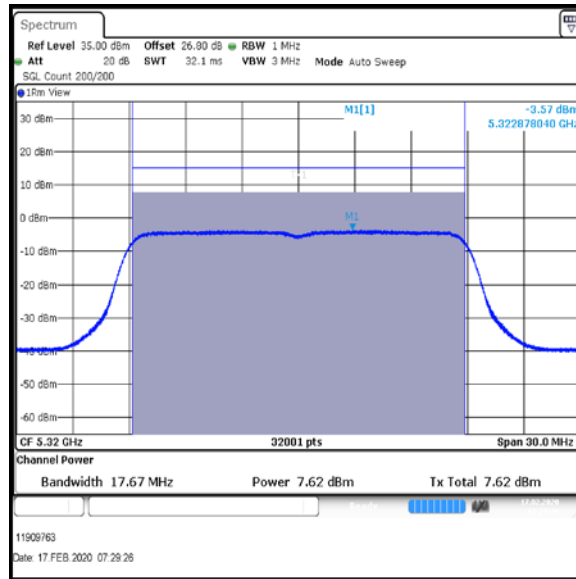
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	11.2	9	20.2	30	9.8	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1**

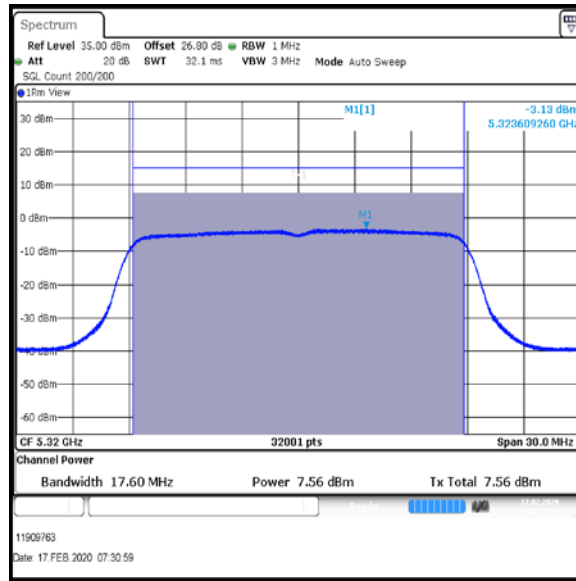


Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2**



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	11.0	1.6	12.6	11.3	1.6	12.9
Middle	10.1	1.6	11.7	10.4	1.6	12.0
Top-1	11.0	1.6	12.6	11.3	1.6	12.9

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.6	12.9	15.8	21	5.2	Complied
Middle	11.7	12.0	14.9	21	6.1	Complied
Top-1	12.6	12.9	15.8	21	5.2	Complied

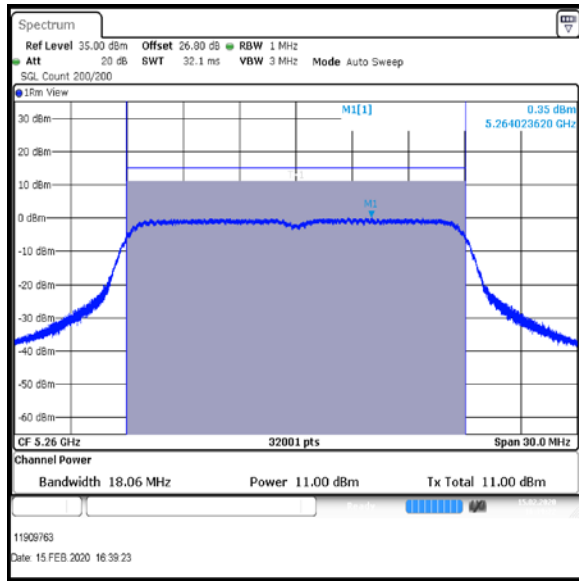
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.8	9	24.8	30	5.2	Complied
Middle	14.9	9	23.9	30	6.1	Complied
Top-1	15.8	9	24.8	30	5.2	Complied

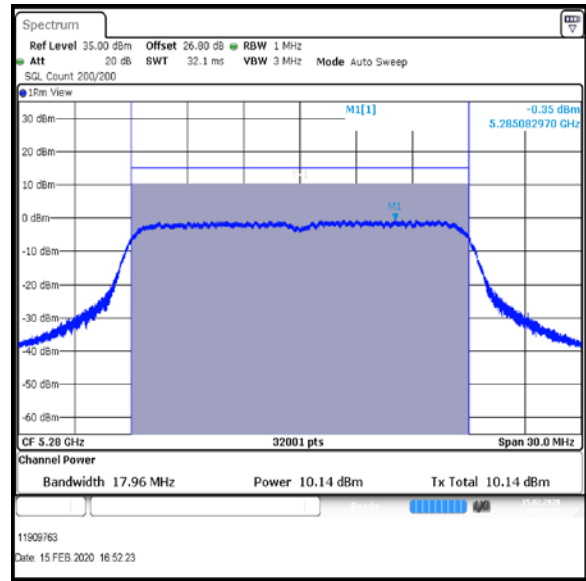
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

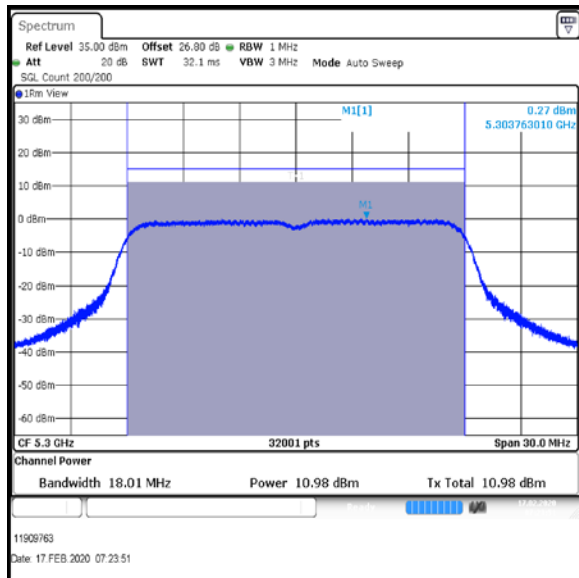
**Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1**



**Bottom Channel**



**Middle Channel**



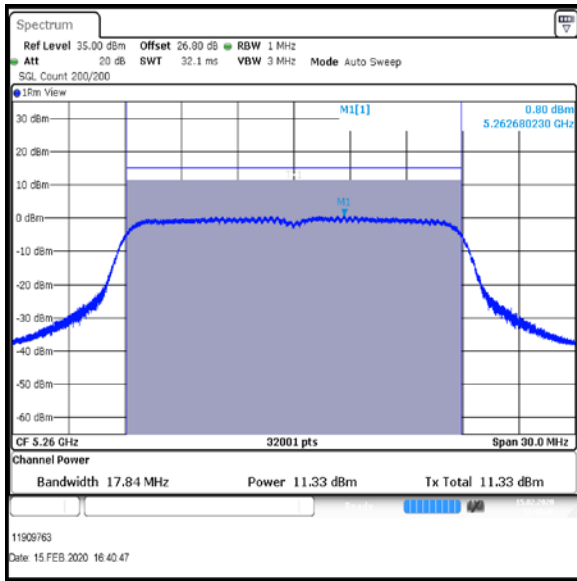
**Top-1 Channel**

**Result: Pass**

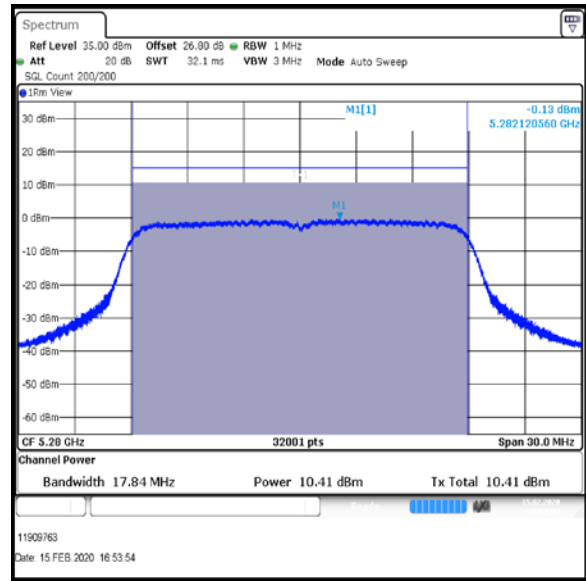


**Transmitter Maximum Conducted Output Power (continued)**

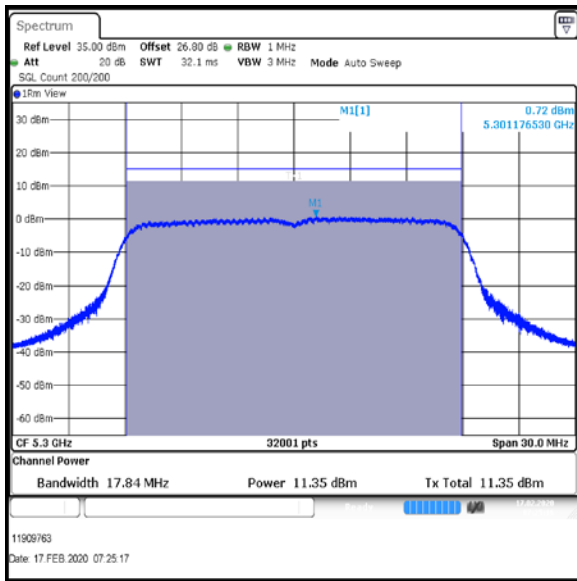
**Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Top	6.1	1.6	7.7	6.7	1.6	8.3

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Top	7.7	8.3	11.0	21	10.0	Complied

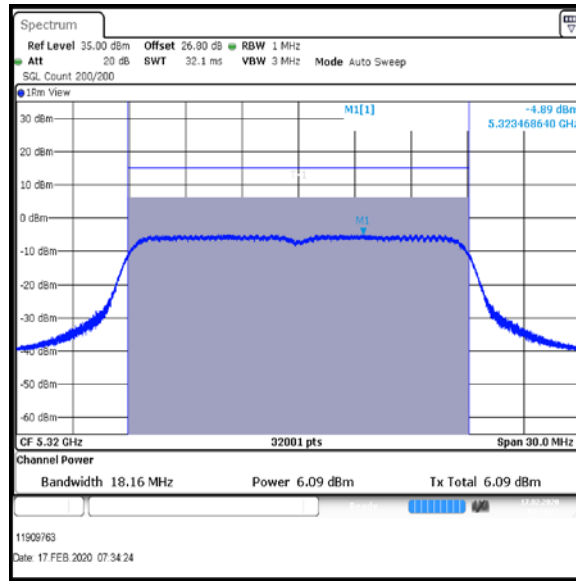
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	11.0	9	20.0	30	10.0	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1**

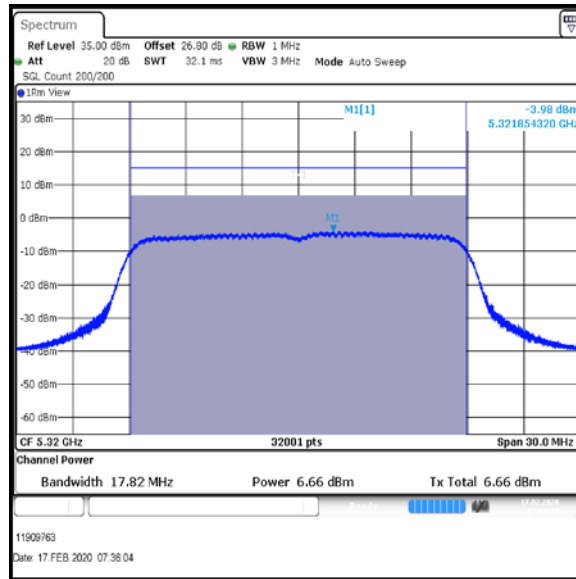


Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2**



Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	12.0	0.8	12.8	12.3	0.8	13.1
Middle	11.8	0.8	12.6	12.2	0.8	13.0
Top-1	11.7	0.8	12.5	12.1	0.8	12.9

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.8	13.1	16.0	20.9	4.9	Complied
Middle	12.6	13.0	15.8	20.9	5.1	Complied
Top-1	12.5	12.9	15.7	20.9	5.2	Complied

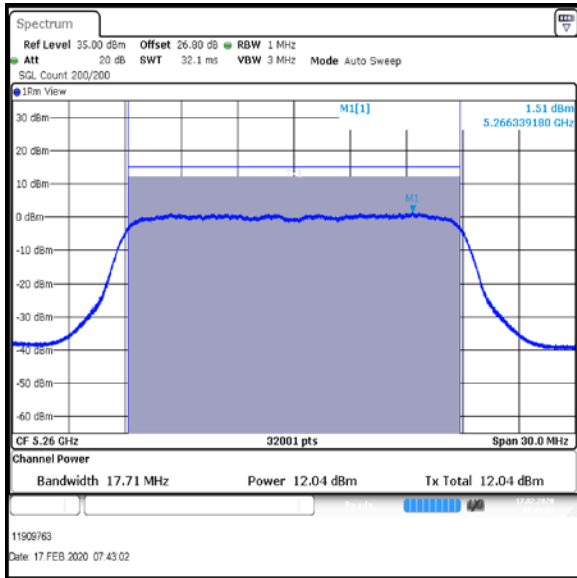
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	16.0	9	25.0	29.9	4.9	Complied
Middle	15.8	9	24.8	29.9	5.1	Complied
Top-1	15.7	9	24.7	29.9	5.2	Complied

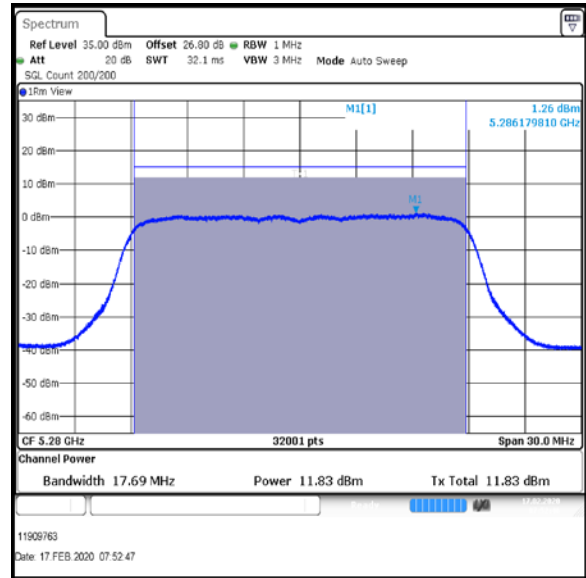
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

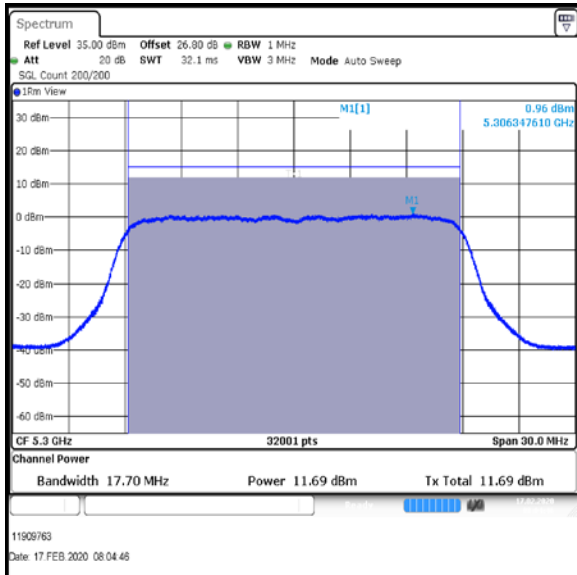
**Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1**



**Bottom Channel**



**Middle Channel**

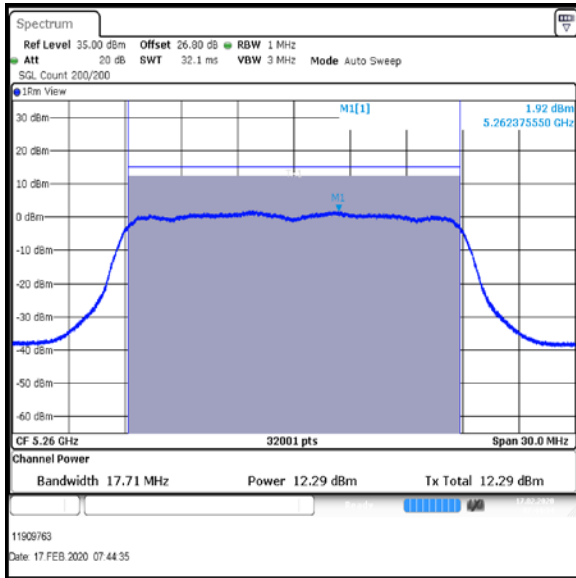


**Top-1 Channel**

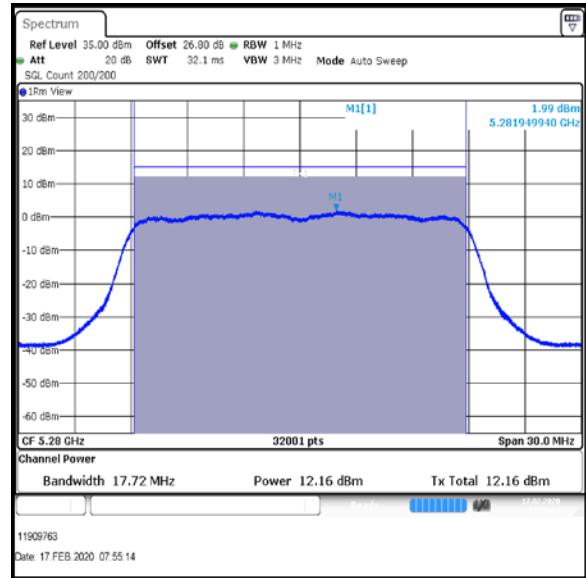
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

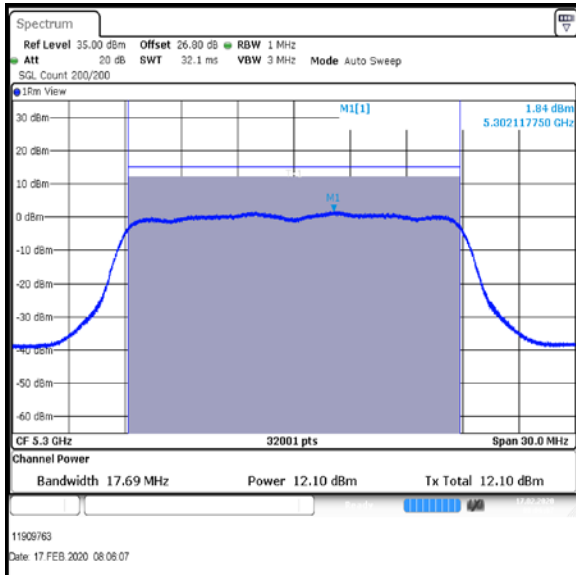
**Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Top	6.8	0.8	7.6	6.7	0.8	7.5

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Top	7.6	7.5	10.6	20.9	10.3	Complied

**De Facto EIRP Limit Comparison**

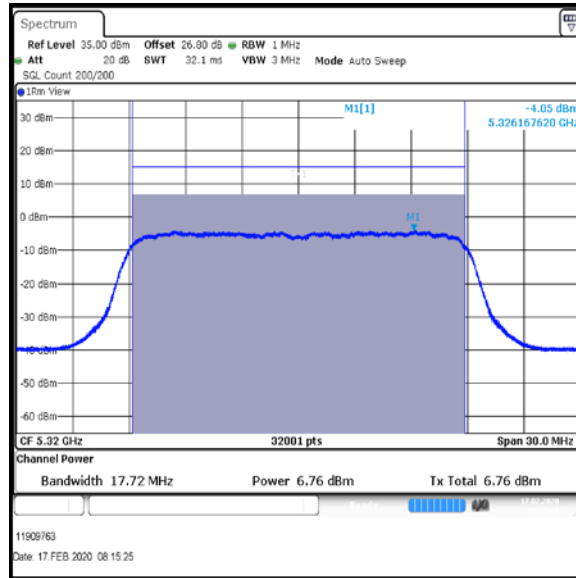
Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	10.6	9	19.6	29.9	10.3	Complied

**Result: Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1**

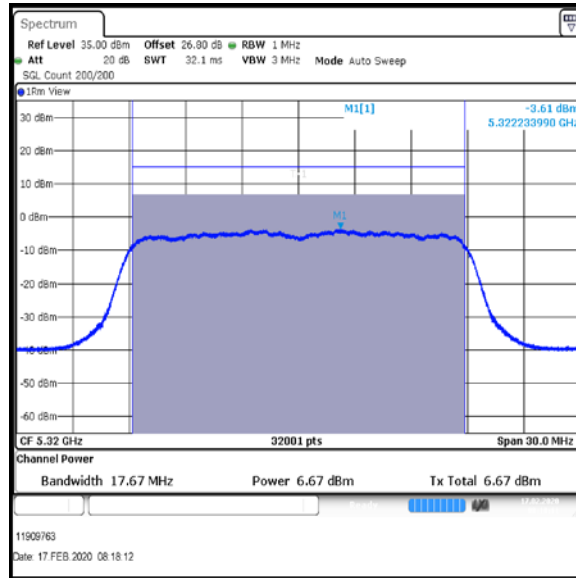


**Top Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS0 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2**



**Top Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	10.2	1.9	12.1	10.4	1.9	12.3
Middle	10.0	1.9	11.9	10.3	1.9	12.2
Top-1	9.9	1.9	11.8	10.2	1.9	12.1

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	12.1	12.3	15.2	21	5.8	Complied
Middle	11.9	12.2	15.1	21	5.9	Complied
Top-1	11.8	12.1	15.0	21	6.0	Complied

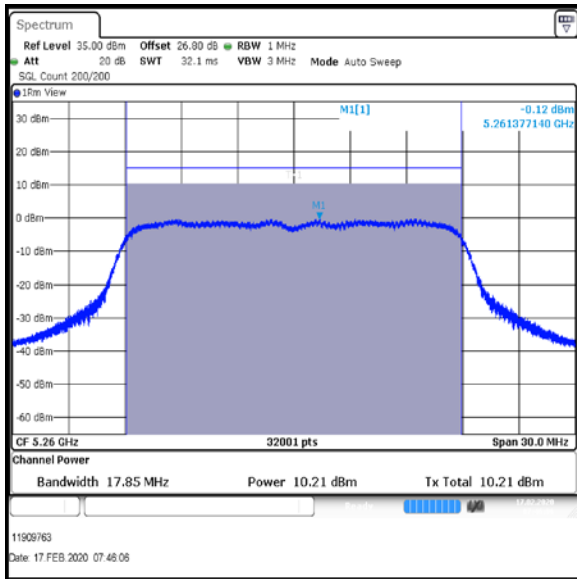
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	15.2	9	24.2	30	5.8	Complied
Middle	15.1	9	24.1	30	5.9	Complied
Top-1	15.0	9	24.0	30	6.0	Complied

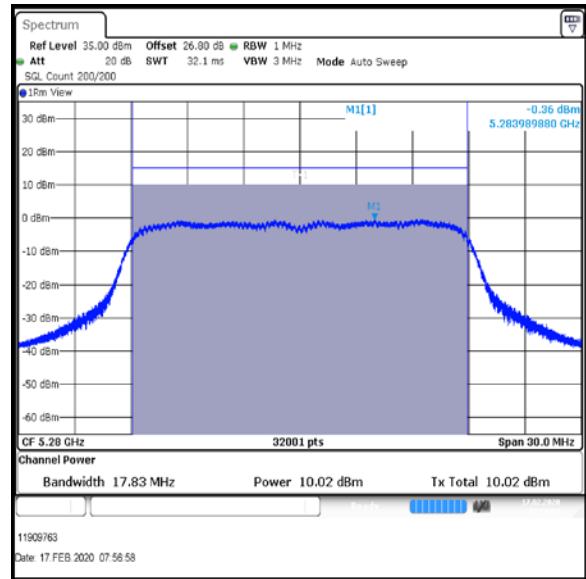
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

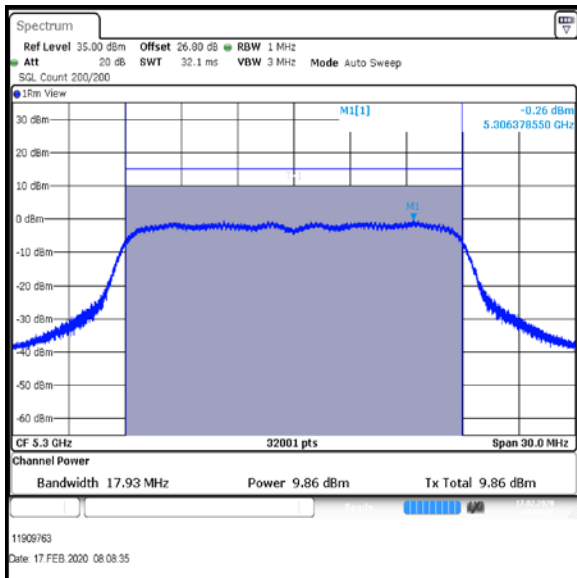
**Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 1**



**Bottom Channel**



**Middle Channel**

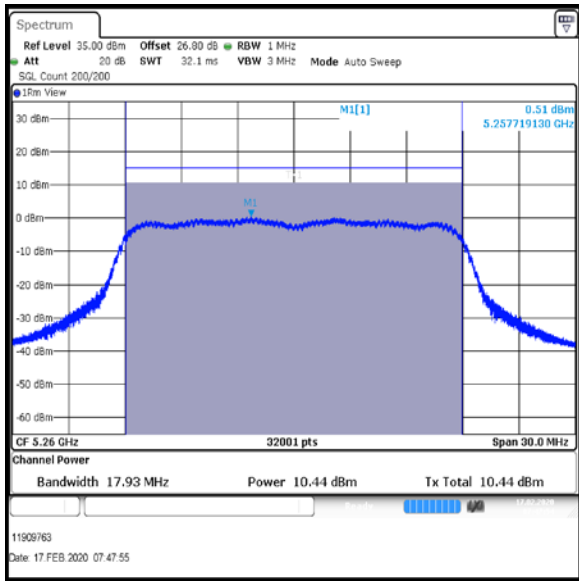


**Top-1 Channel**

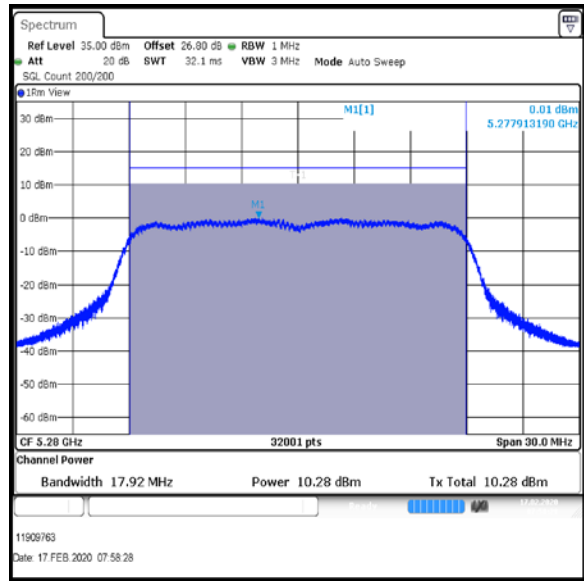
**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

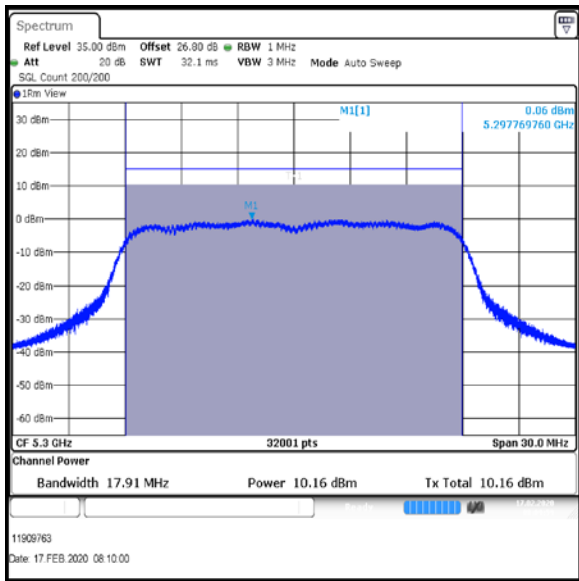
**Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 18 / 9 dBi Antenna / Port 2**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Top	4.2	1.9	6.1	4.6	1.9	6.5

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Top	6.1	6.5	9.3	21	11.7	Complied

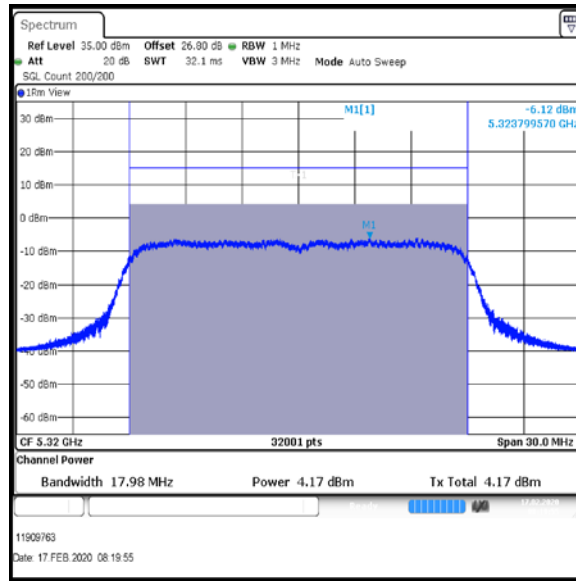
**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Top	9.3	9	18.3	30	11.7	Complied

**Result: Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 1**

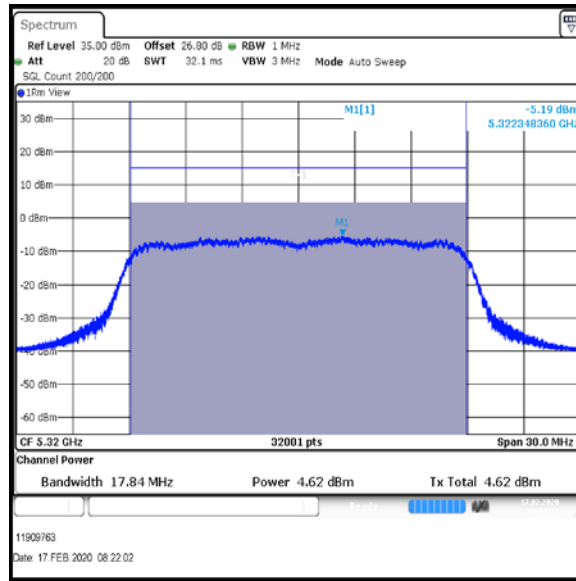


Top Channel

Result: **Pass**

**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11ac / HT20 / MCS4 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna / Port 2**



Top Channel

Result: **Pass**



**Transmitter Maximum Conducted Output Power (continued)**

**Results: 802.11n / HT40 / MCS7 / MIMO / Port 1+2 / PWL 12 / 9 dBi Antenna**

Channel	Port 1 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 1 Corrected Conducted Power (dBm)	Port 2 Conducted Power (dBm)	Duty Cycle Correction (dB)	Port 2 Corrected Conducted Power (dBm)
Bottom	3.1	3.2	6.3	3.7	3.2	6.9
Top	3.0	3.2	6.2	3.7	3.2	6.9

Channel	Corrected Conducted Power Port 1(dBm)	Corrected Conducted Power Port 2(dBm)	Port 1+2 Combined Conducted Power (dBm)	Conducted Power Limit (dBm)	Margin (dB)	Result
Bottom	6.3	6.9	9.6	21	11.4	Complied
Top	6.2	6.9	9.6	21	11.4	Complied

**De Facto EIRP Limit Comparison**

Channel	Port 1+2 Combined Conducted Power (dBm)	Directional Antenna Gain (dBi)	EIRP (dBm)	De Facto EIRP Limit (dBm)	Margin (dB)	Result
Bottom	9.6	9	18.6	30	11.4	Complied
Top	9.6	9	18.6	30	11.4	Complied

**Result: Pass**