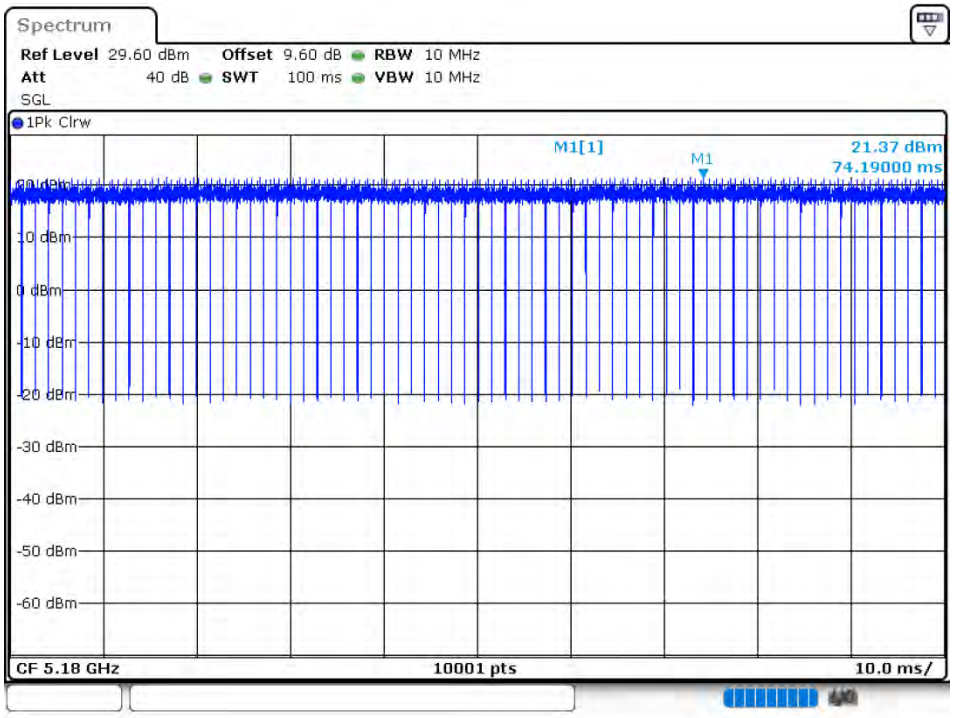
# 5.2G

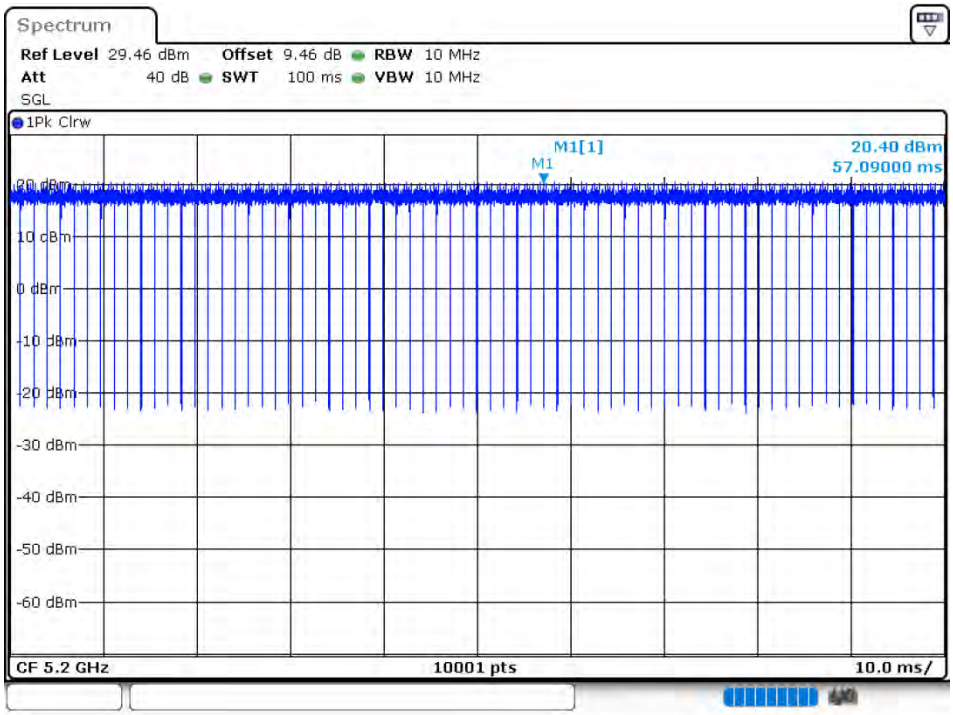
## Duty Cycle

| Condition | Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor (dB) |
|---|---|---|---|---|
| NVNT | 802.11a | 5180 | 100 | 0 |
| NVNT | 802.11a | 5200 | 100 | 0 |
| NVNT | 802.11a | 5240 | 100 | 0 |
| NVNT | 802.11ac20 | 5180 | 100 | 0 |
| NVNT | 802.11ac20 | 5200 | 100 | 0 |
| NVNT | 802.11ac20 | 5240 | 100 | 0 |
| NVNT | 802.11ac40 | 5190 | 100 | 0 |
| NVNT | 802.11ac40 | 5230 | 100 | 0 |
| NVNT | 802.11ac80 | 5210 | 100 | 0 |
| NVNT | 802.11n(HT20) | 5180 | 100 | 0 |
| NVNT | 802.11n(HT20) | 5200 | 100 | 0 |
| NVNT | 802.11n(HT20) | 5240 | 100 | 0 |
| NVNT | 802.11n(HT40) | 5190 | 100 | 0 |
| NVNT | 802.11n(HT40) | 5230 | 100 | 0 |

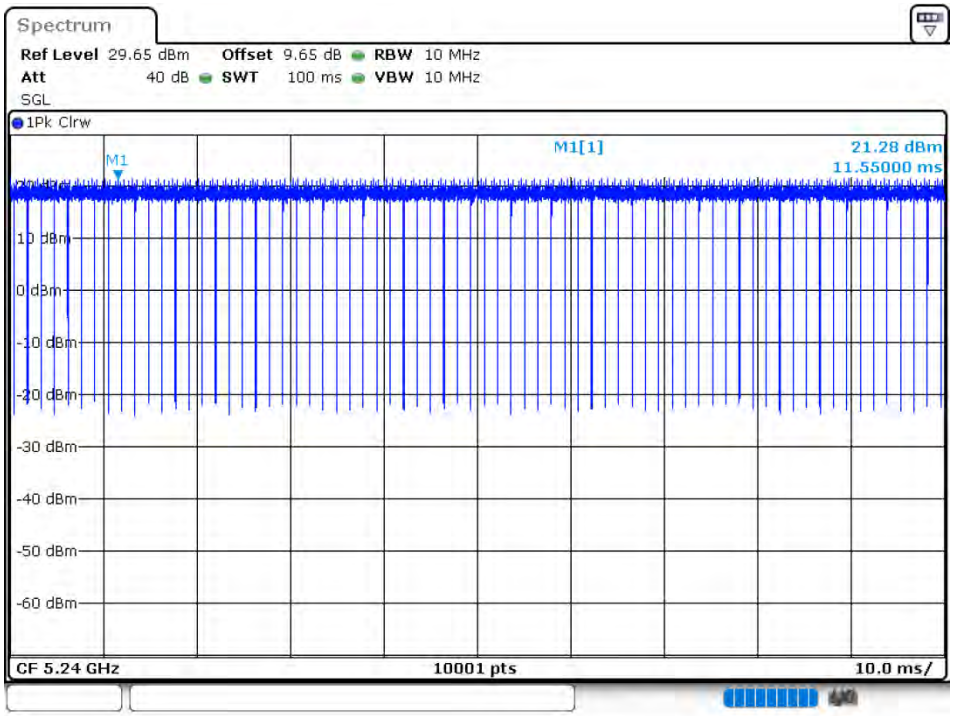
Duty Cycle NVNT 802.11a 5180MHz



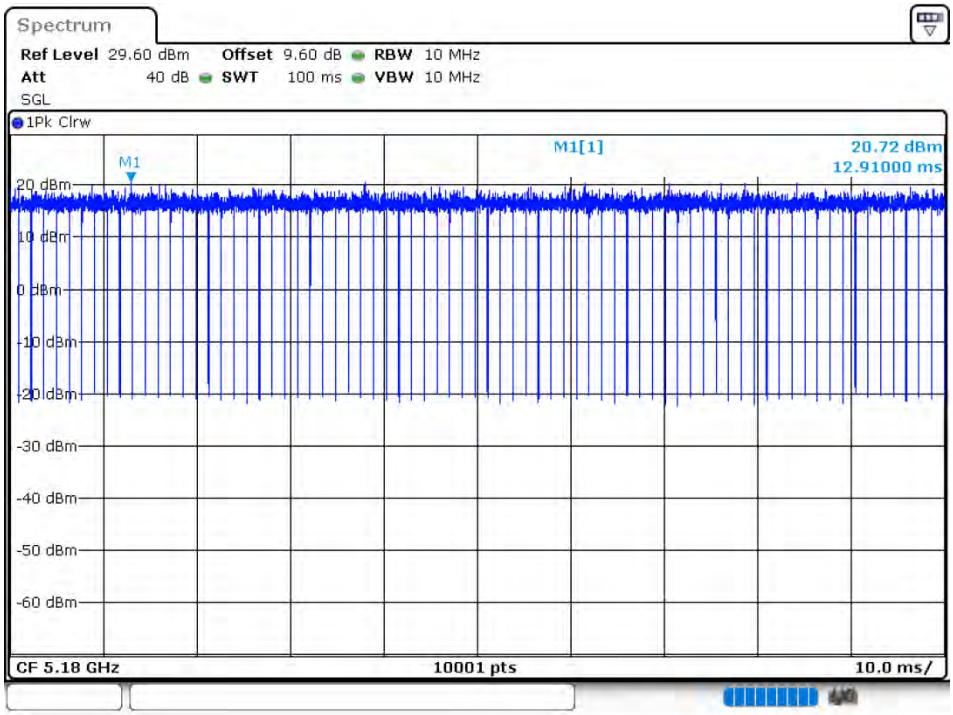
Duty Cycle NVNT 802.11a 5200MHz



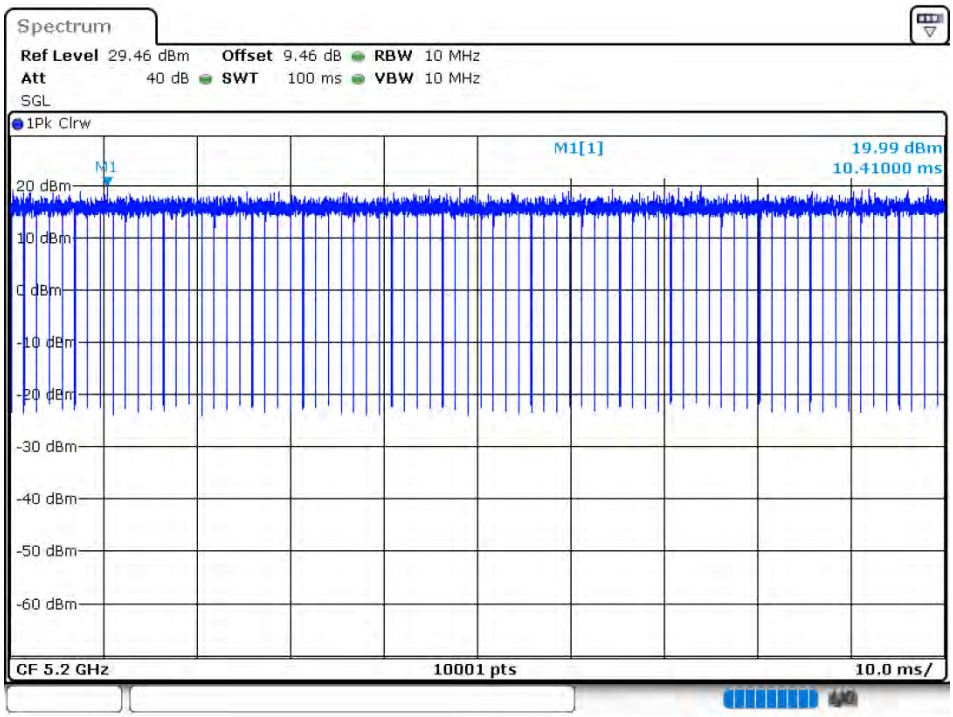

Duty Cycle NVNT 802.11a 5240MHz



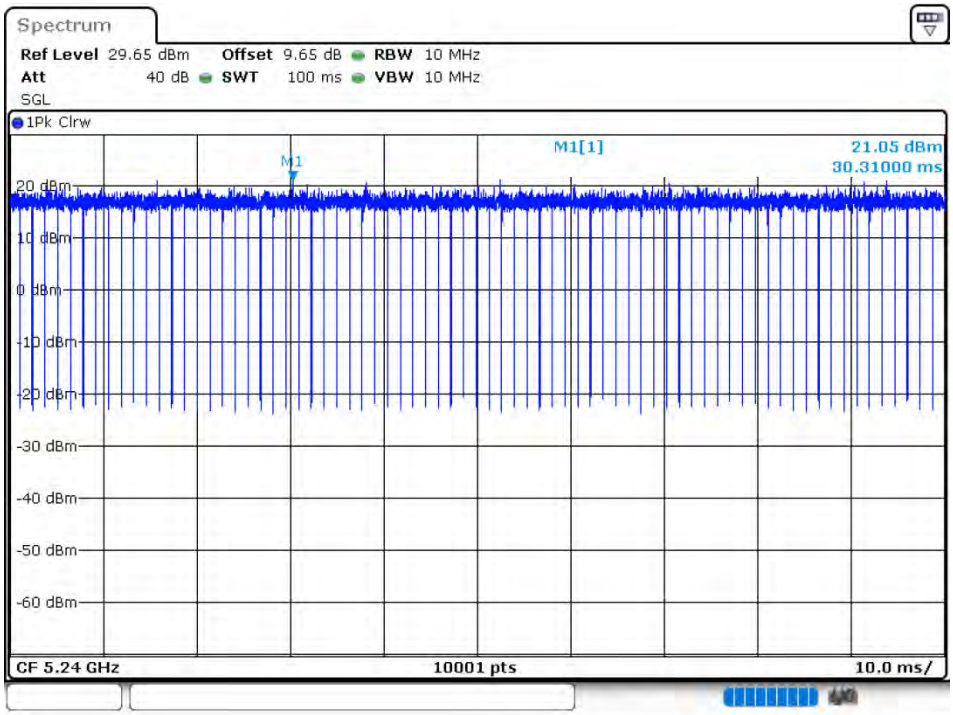
Duty Cycle NVNT 802.11ac20 5180MHz



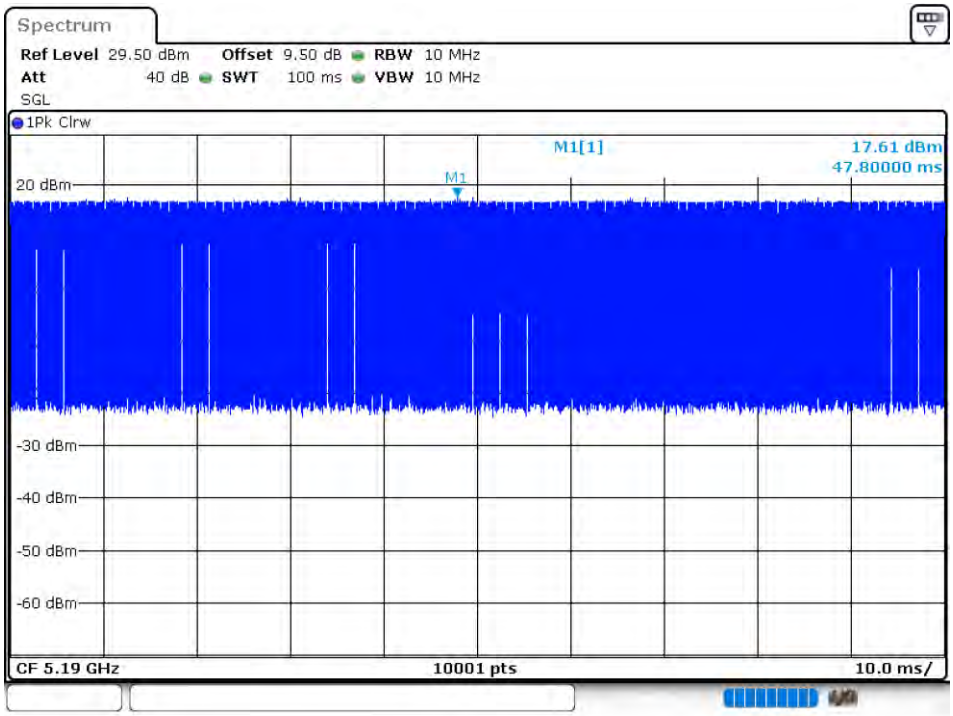

Duty Cycle NVNT 802.11ac20 5200MHz



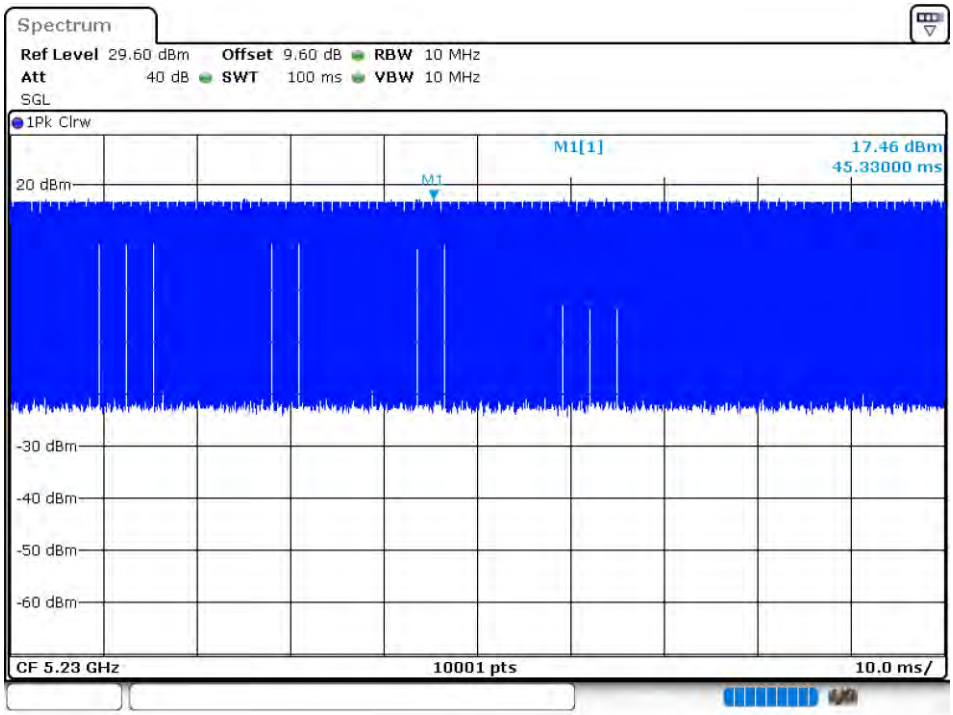
Duty Cycle NVNT 802.11ac20 5240MHz



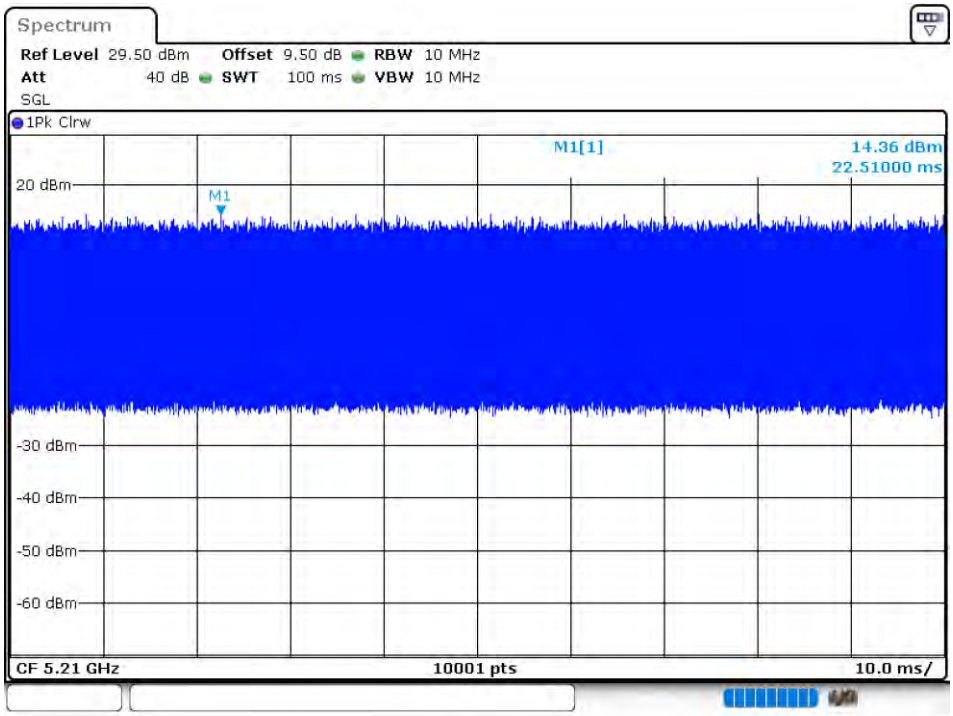

Duty Cycle NVNT 802.11ac40 5190MHz



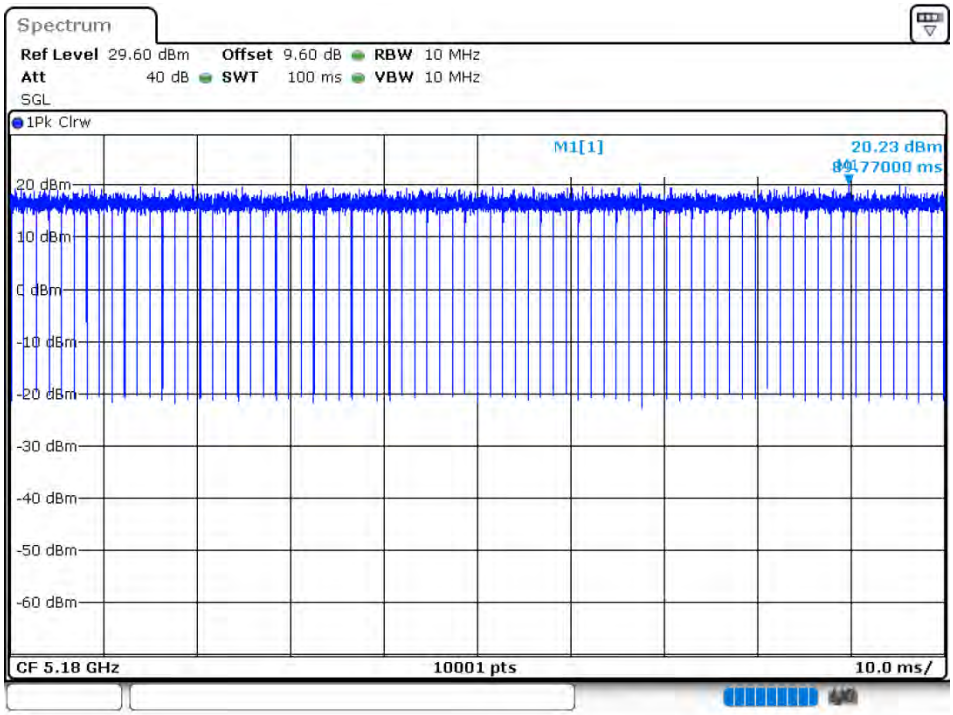
Duty Cycle NVNT 802.11ac40 5230MHz



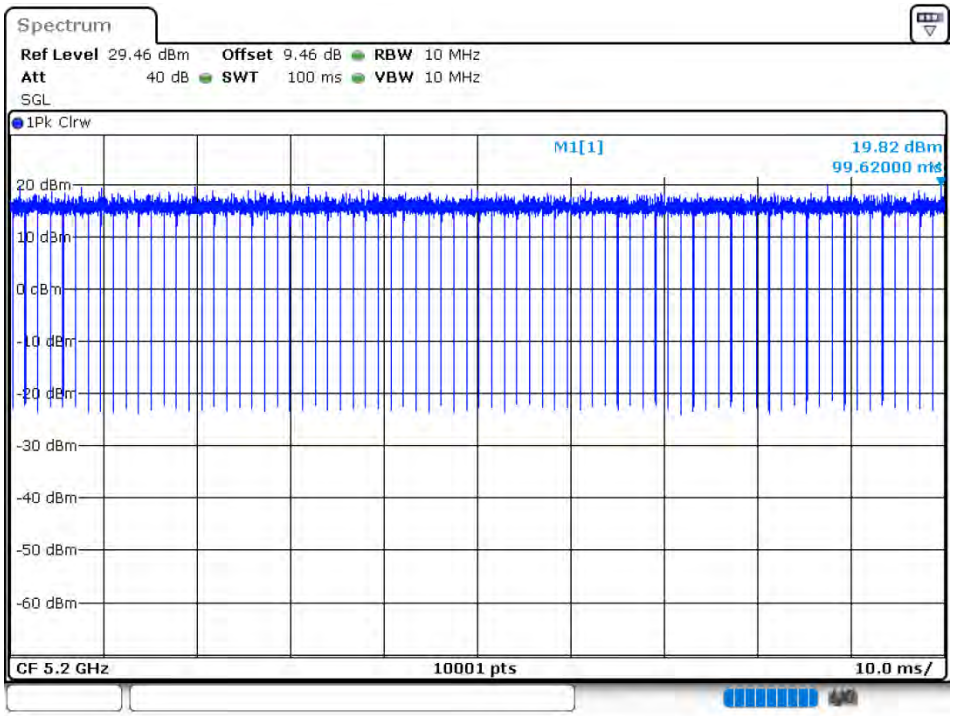

Duty Cycle NVNT 802.11ac80 5210MHz



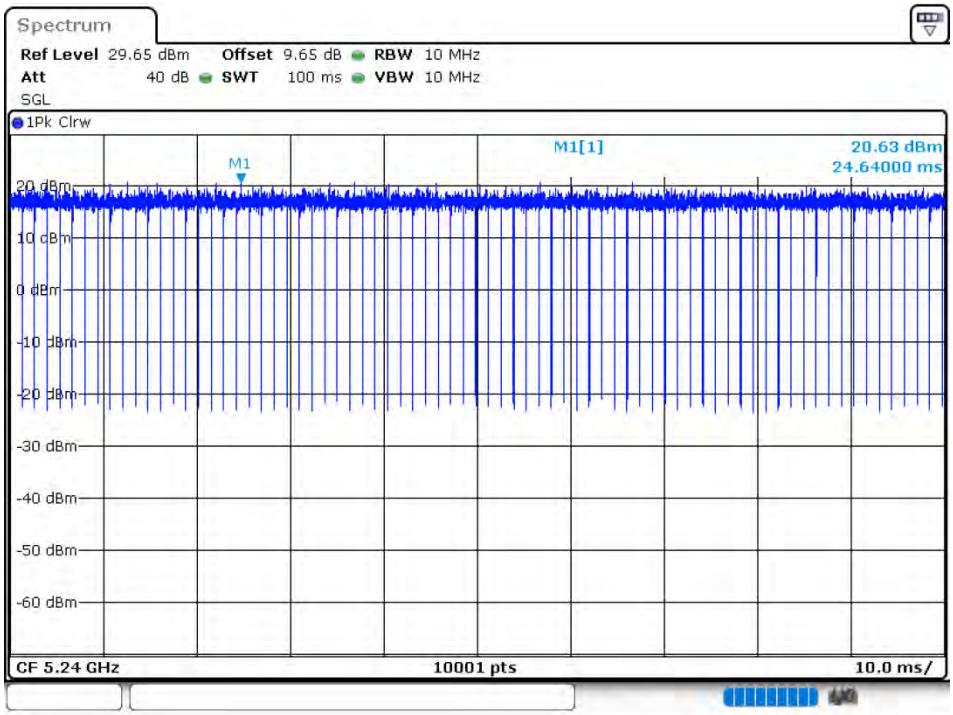
Duty Cycle NVNT 802.11n(HT20) 5180MHz



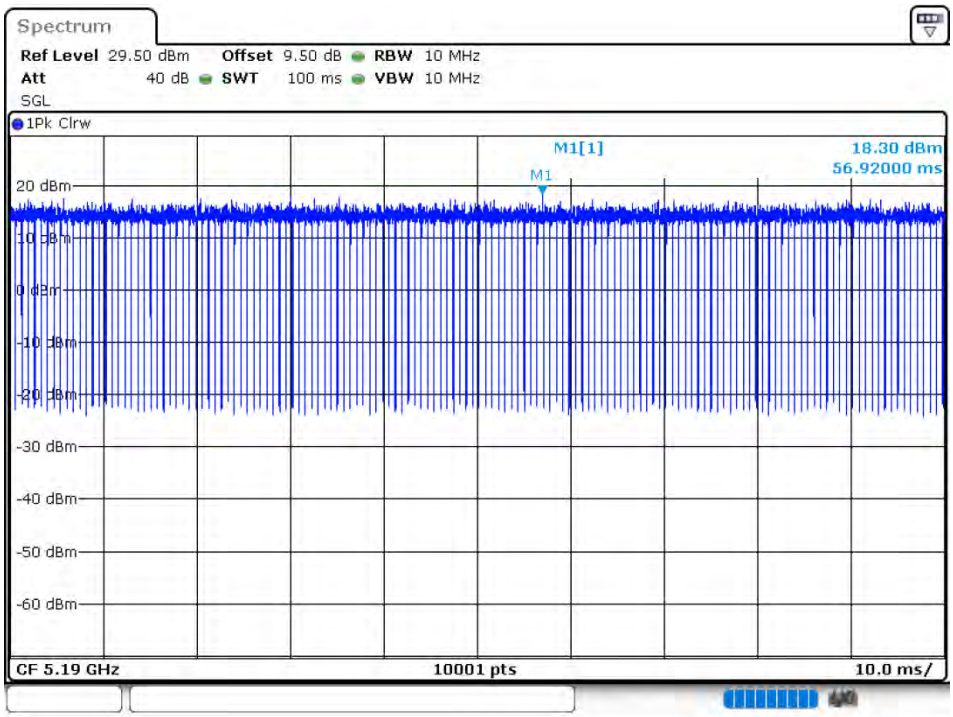

Duty Cycle NVNT 802.11n(HT20) 5200MHz



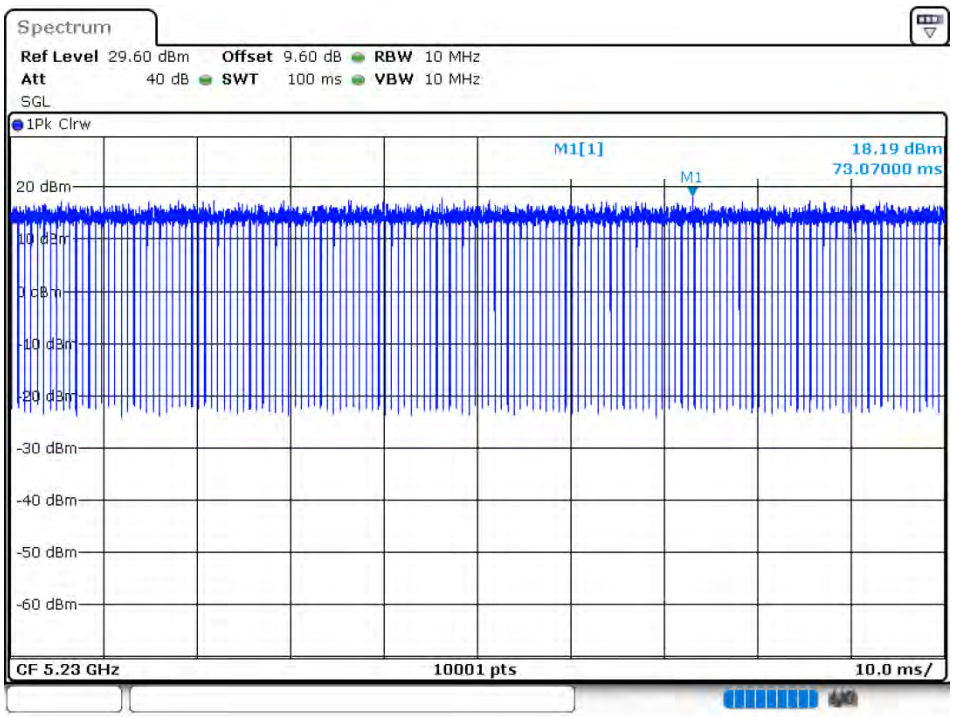
Duty Cycle NVNT 802.11n(HT20) 5240MHz




Duty Cycle NVNT 802.11n(HT40) 5190MHz



Duty Cycle NVNT 802.11n(HT40) 5230MHz




## Maximum Conducted Output Power

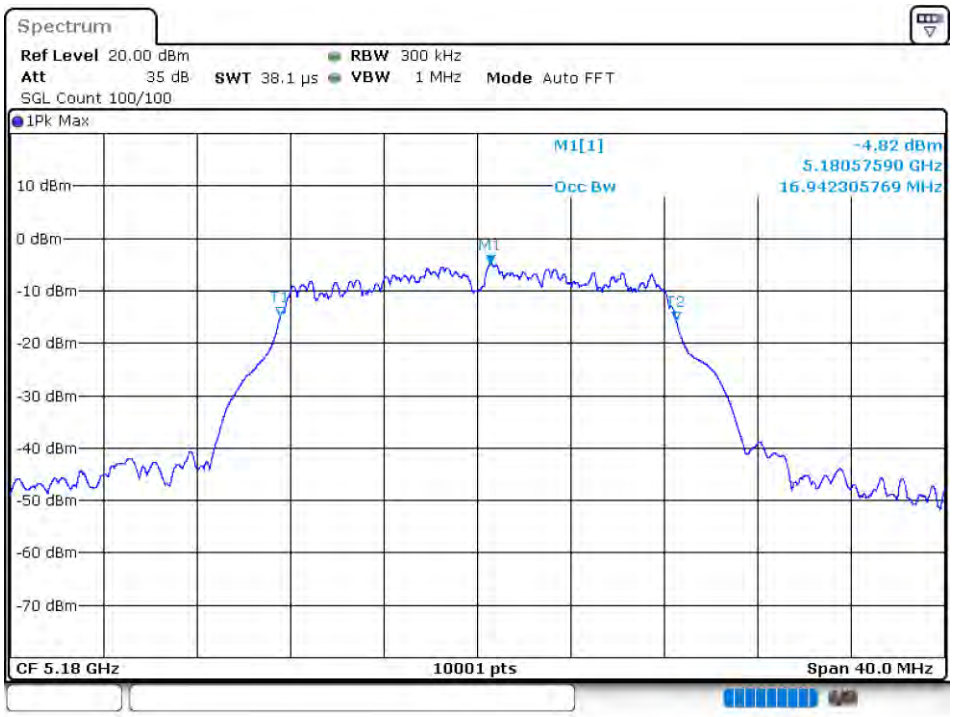
| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | 12.78 | 0 | 12.78 | 24 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | 11.83 | 0 | 11.83 | 24 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | 12.86 | 0 | 12.86 | 24 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | 11.58 | 0 | 11.58 | 24 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | 10.25 | 0 | 10.25 | 24 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | 11.37 | 0 | 11.37 | 24 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | 10.95 | 0 | 10.95 | 24 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | 11.27 | 0 | 11.27 | 24 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | 10.04 | 0 | 10.04 | 24 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | 11.55 | 0 | 11.55 | 24 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | 9.99 | 0 | 9.99 | 24 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | 11.35 | 0 | 11.35 | 24 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | 10.81 | 0 | 10.81 | 24 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | 11.08 | 0 | 11.08 | 24 | Pass |

## Occupied Channel Bandwidth

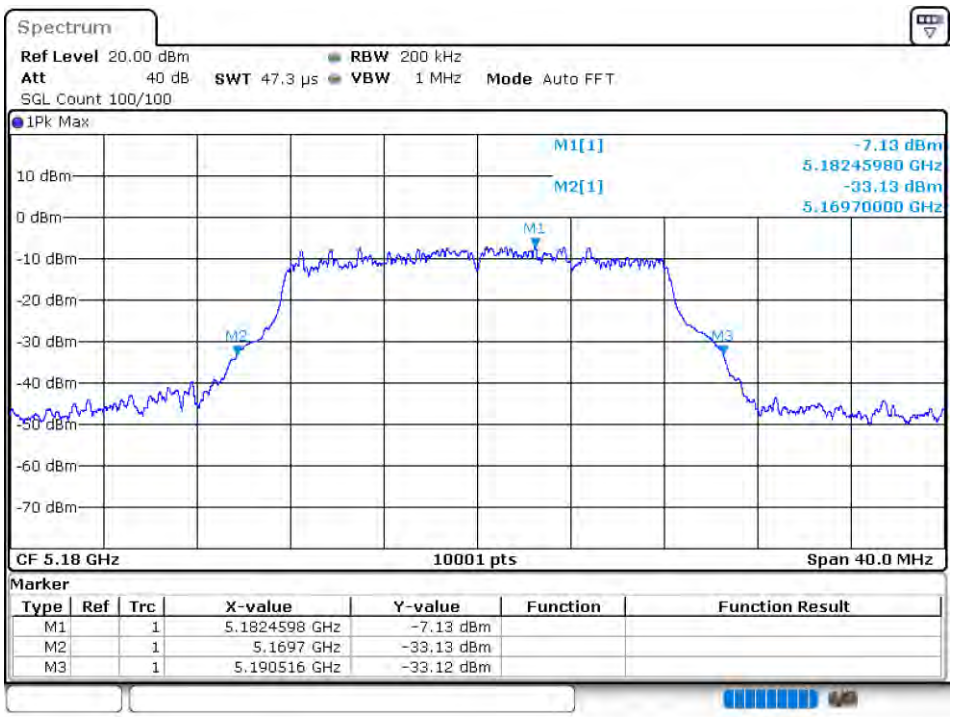
| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | 16.9423 | 20.816 | 0 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | 16.6423 | 21.06 | 0 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | 16.8983 | 21.308 | 0 | Pass |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NVNT | 802.11ac20 | 5180 | Ant 1 | 17.8862 | 21.164 | 0 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | 17.9382 | 21.128 | 0 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | 17.9142 | 21.452 | 0 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | 36.2124 | 39.728 | 0 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | 36.2604 | 39.92 | 0 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | 75.3205 | 80.912 | 0 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | 17.8822 | 20.88 | 0 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | 18.0262 | 21.144 | 0 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | 17.8862 | 21.336 | 0 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | 36.1884 | 40.024 | 0 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | 36.2844 | 39.832 | 0 | Pass |

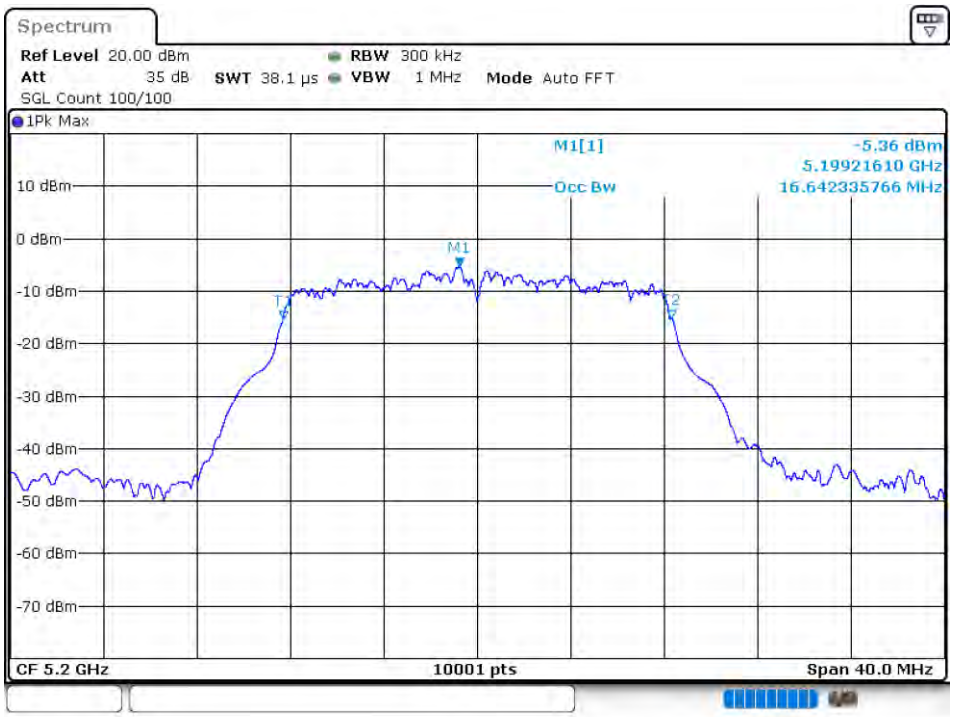
OBW NVNT 802.11a 5180MHz Ant1



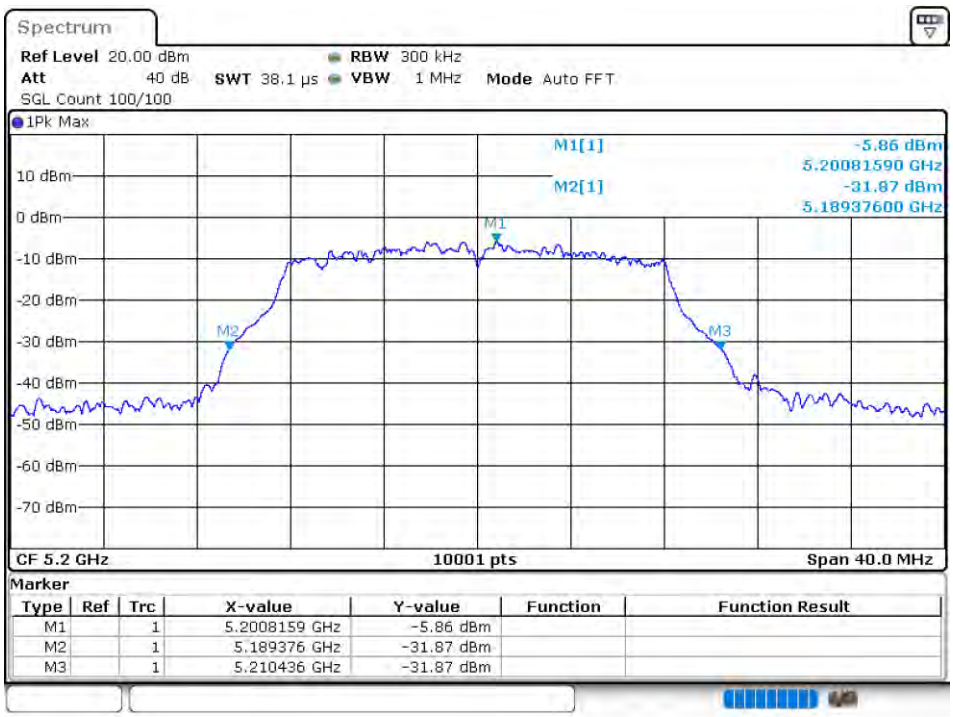
-26 dB BW NVNT 802.11a 5180MHz Ant1



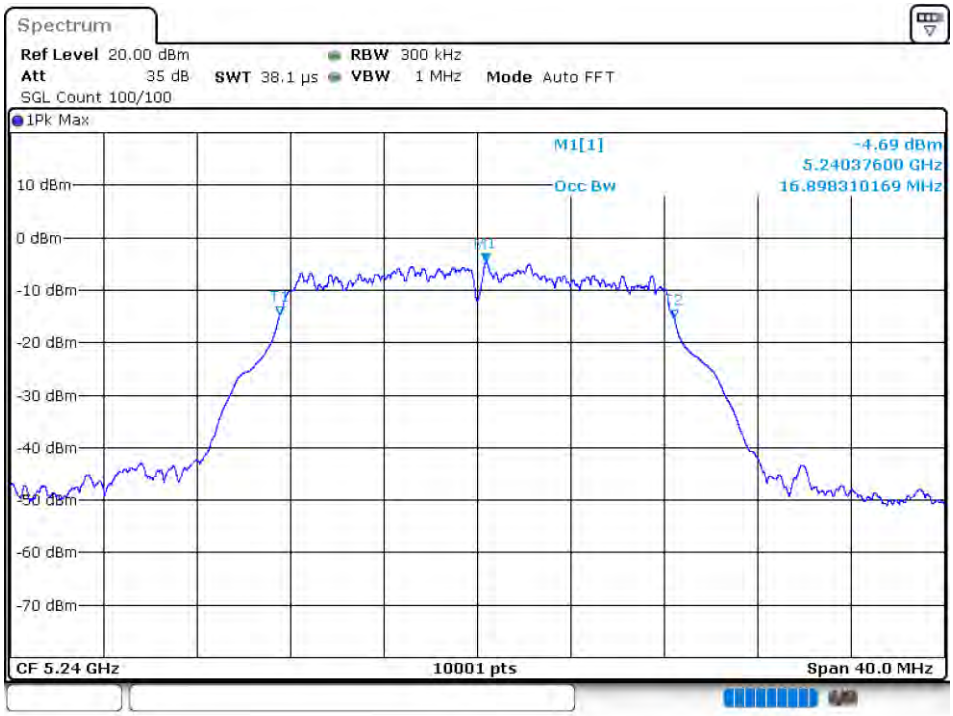

OBW NVNT 802.11a 5200MHz Ant1



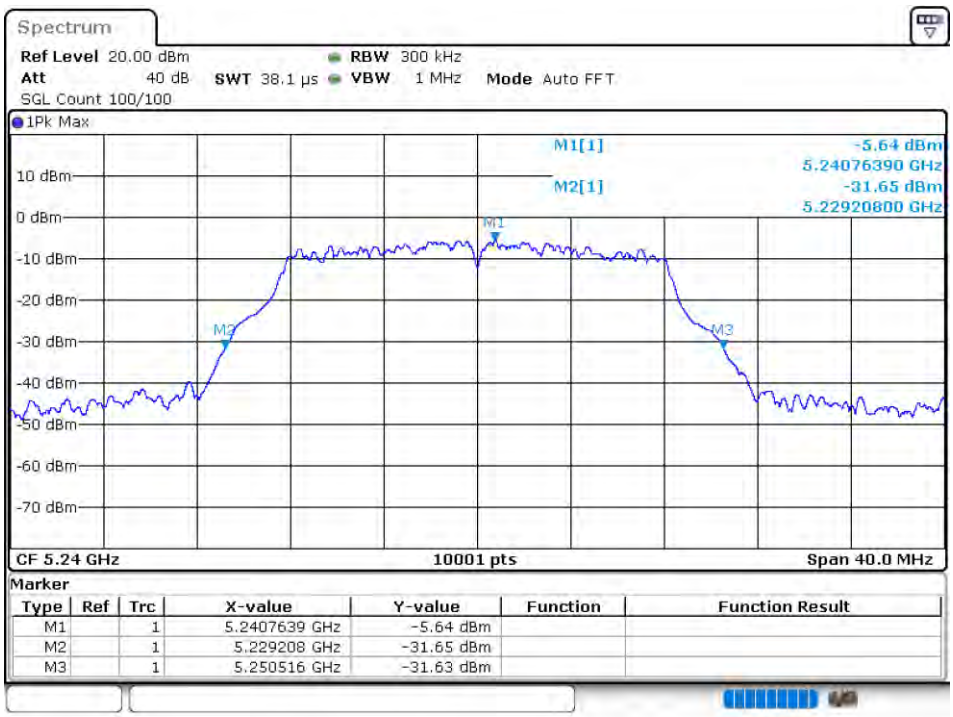
-26 dB BW NVNT 802.11a 5200MHz Ant1



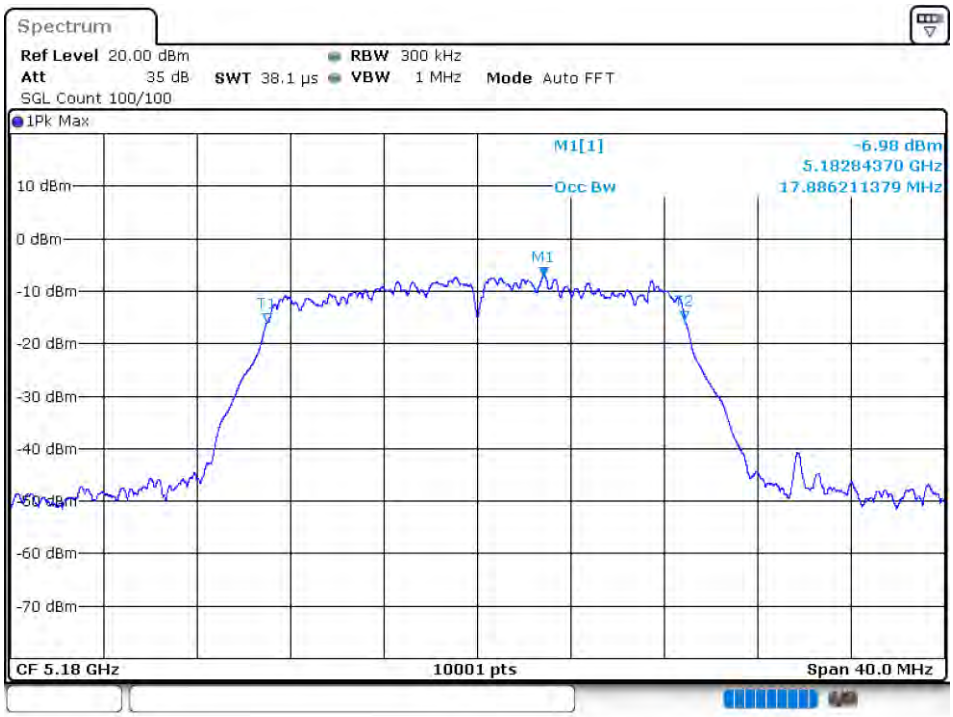

OBW NVNT 802.11a 5240MHz Ant1



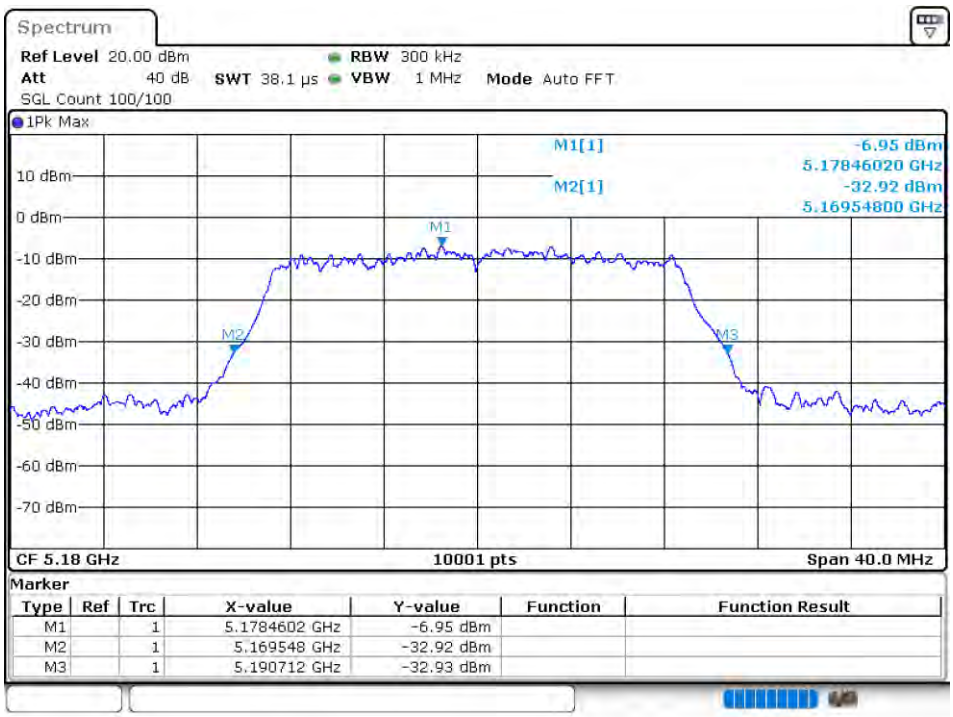
-26 dB BW NVNT 802.11a 5240MHz Ant1



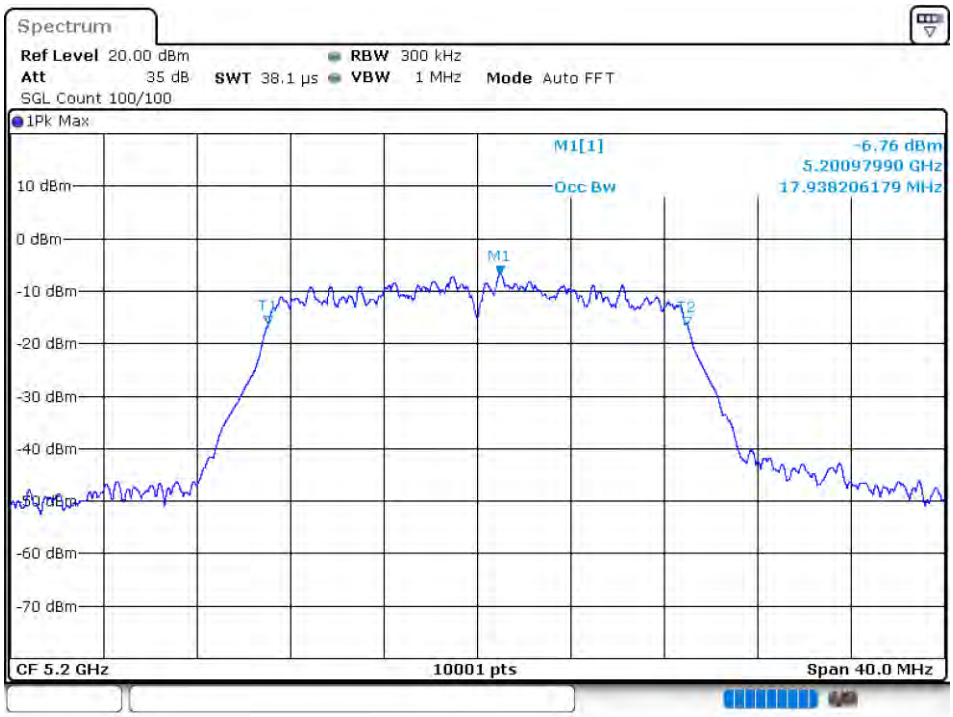

OBW NVNT 802.11ac20 5180MHz Ant1



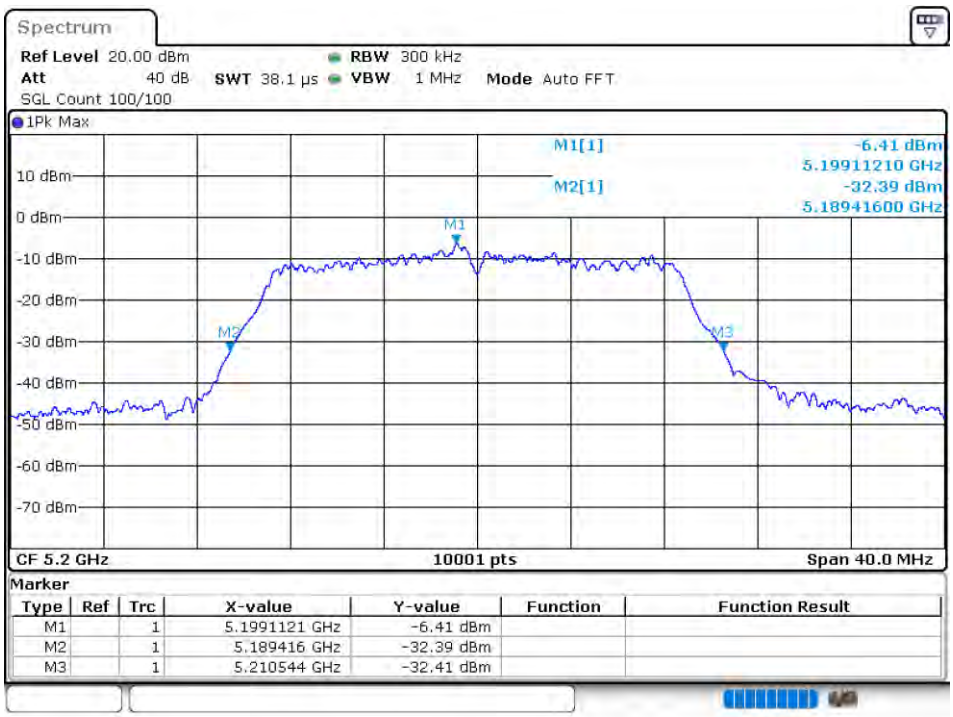
-26 dB BW NVNT 802.11ac20 5180MHz Ant1



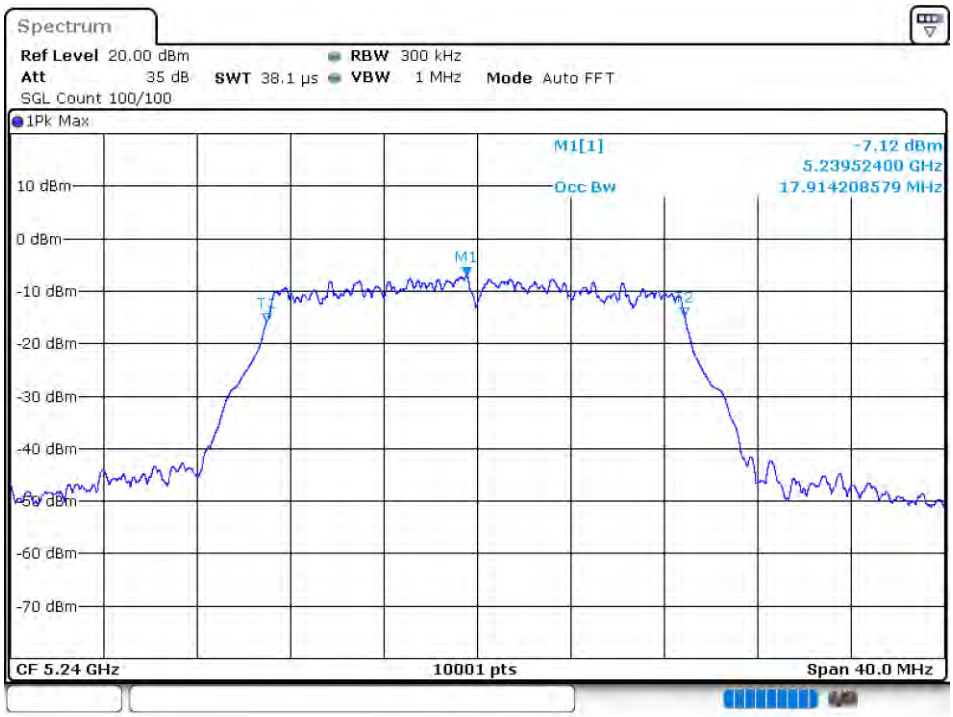

OBW NVNT 802.11ac20 5200MHz Ant1



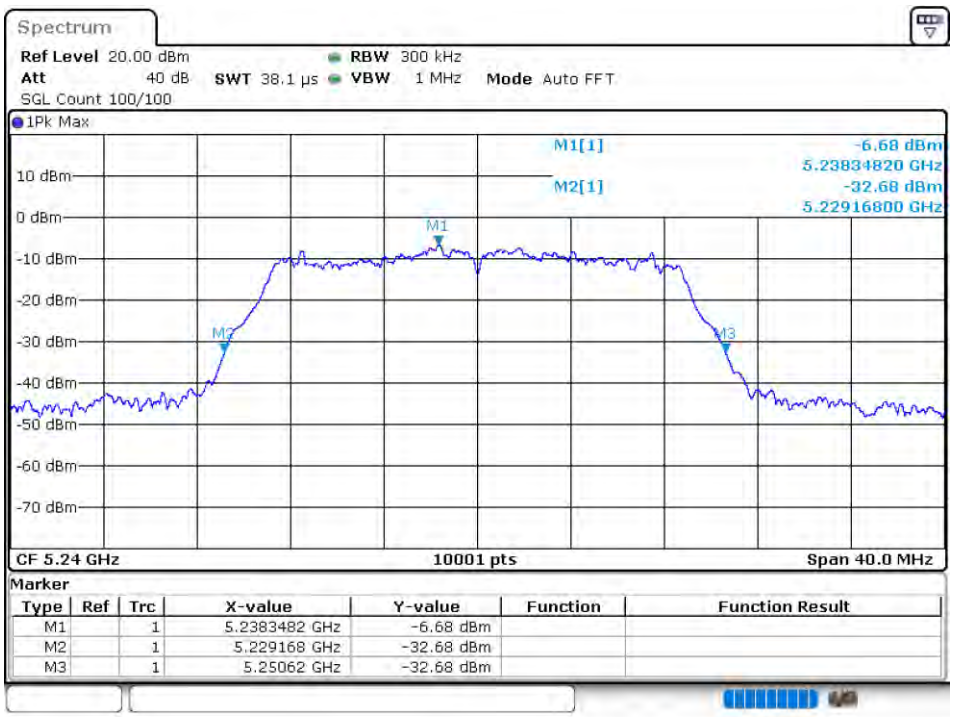
-26 dB BW NVNT 802.11ac20 5200MHz Ant1



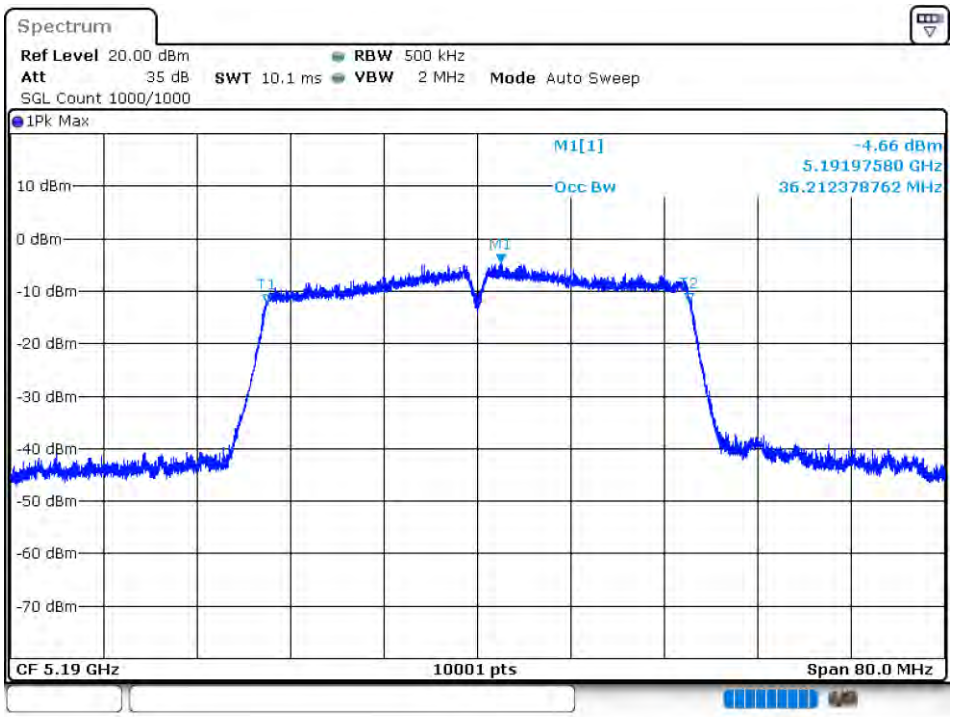

OBW NVNT 802.11ac20 5240MHz Ant1



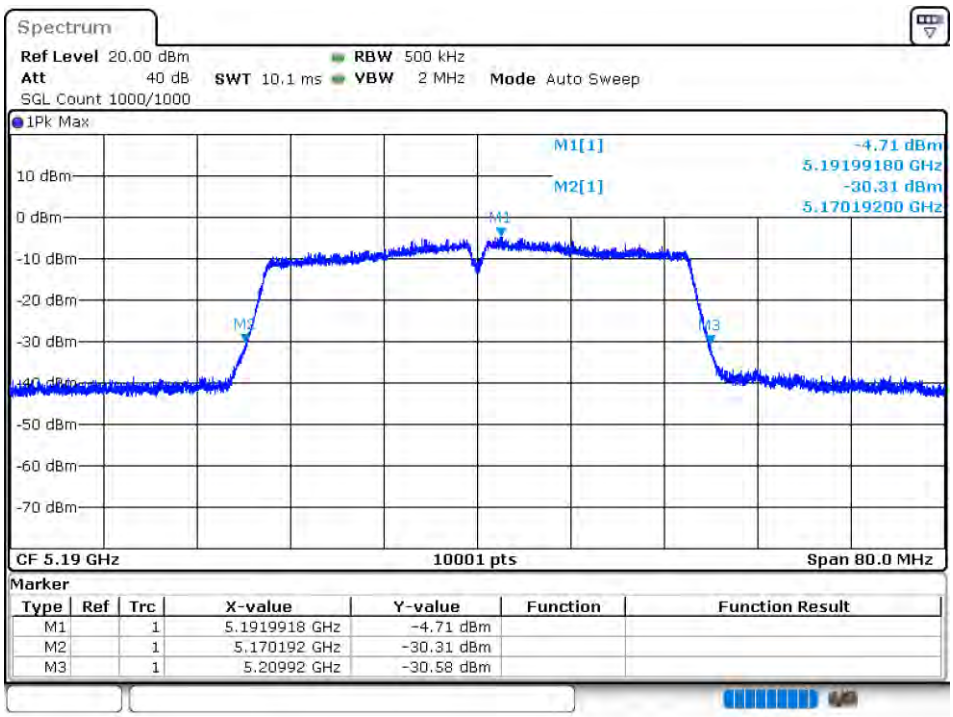
-26 dB BW NVNT 802.11ac20 5240MHz Ant1



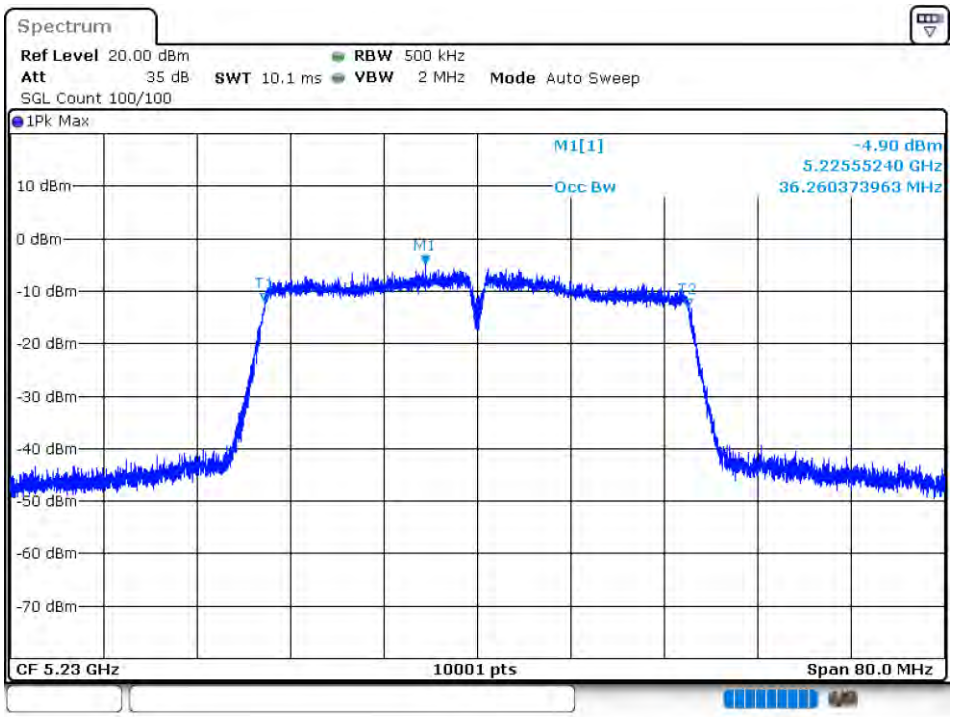

OBW NVNT 802.11ac40 5190MHz Ant1



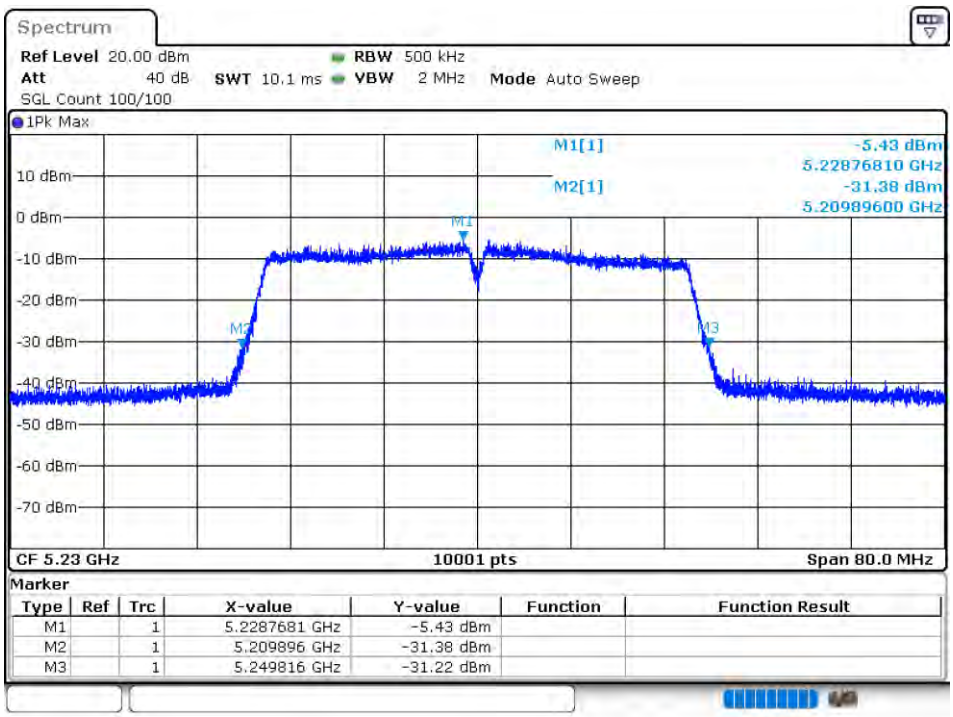
-26 dB BW NVNT 802.11ac40 5190MHz Ant1



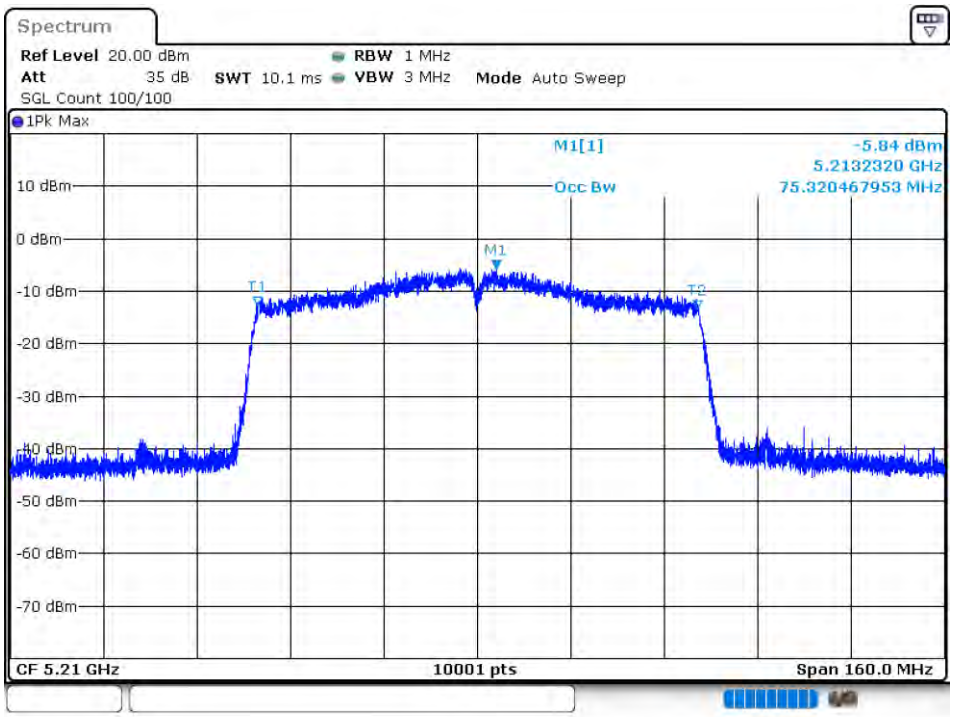

OBW NVNT 802.11ac40 5230MHz Ant1



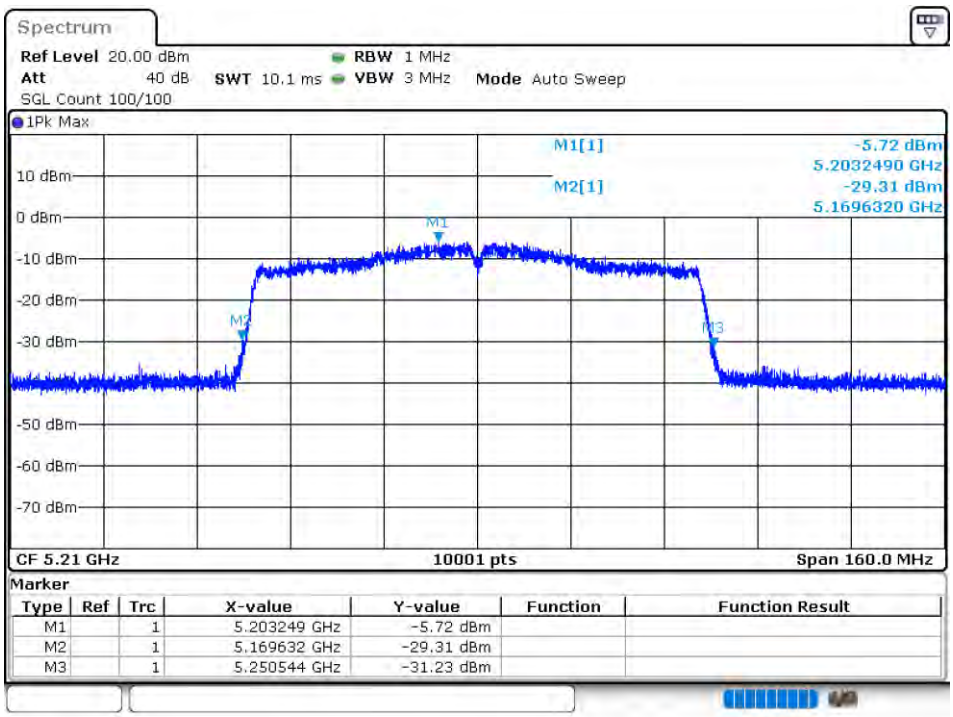
-26 dB BW NVNT 802.11ac40 5230MHz Ant1



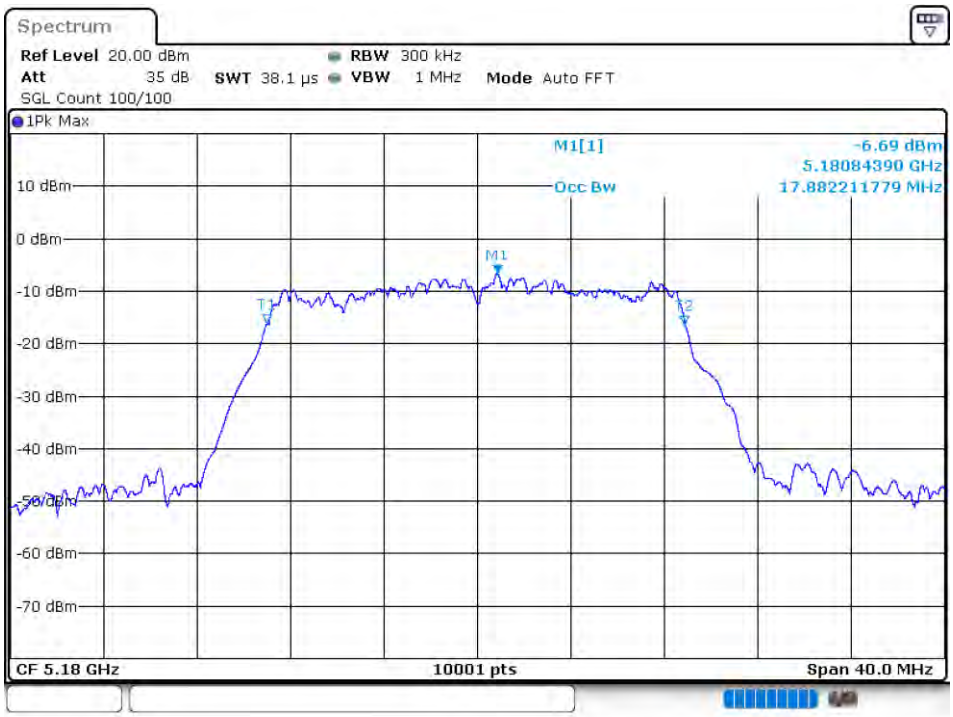

OBW NVNT 802.11ac80 5210MHz Ant1



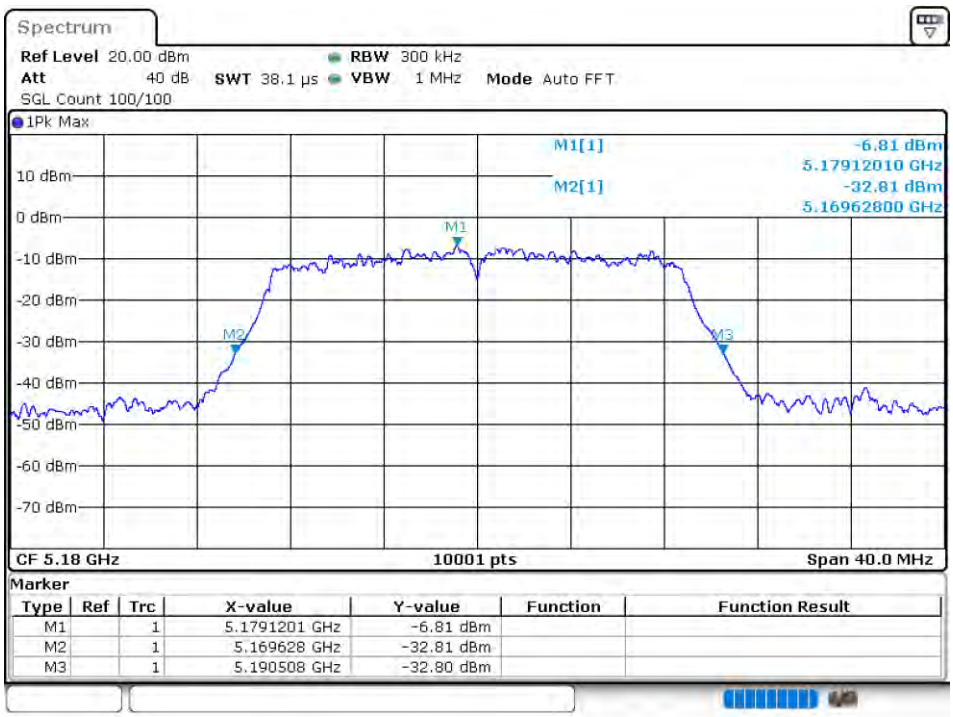
-26 dB BW NVNT 802.11ac80 5210MHz Ant1



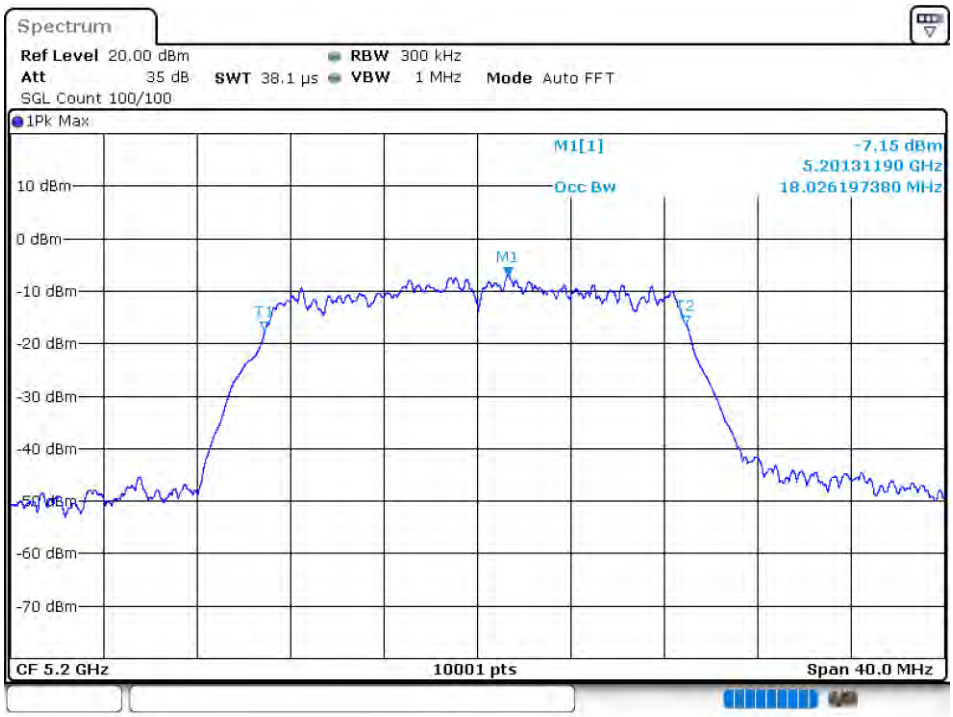

OBW NVNT 802.11n(HT20) 5180MHz Ant1



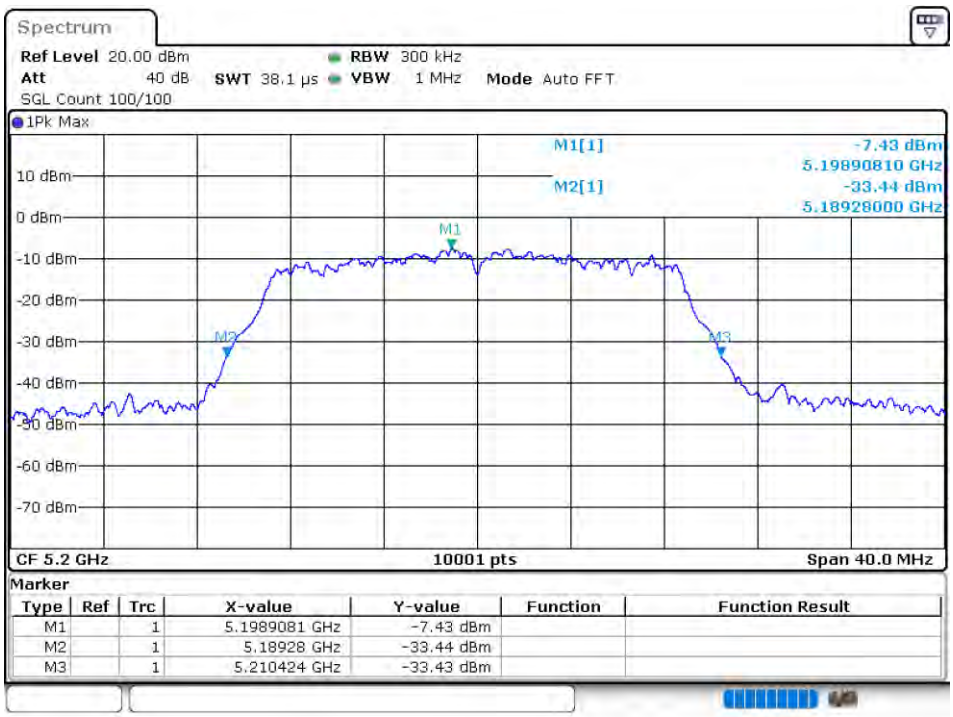
-26 dB BW NVNT 802.11n(HT20) 5180MHz Ant1



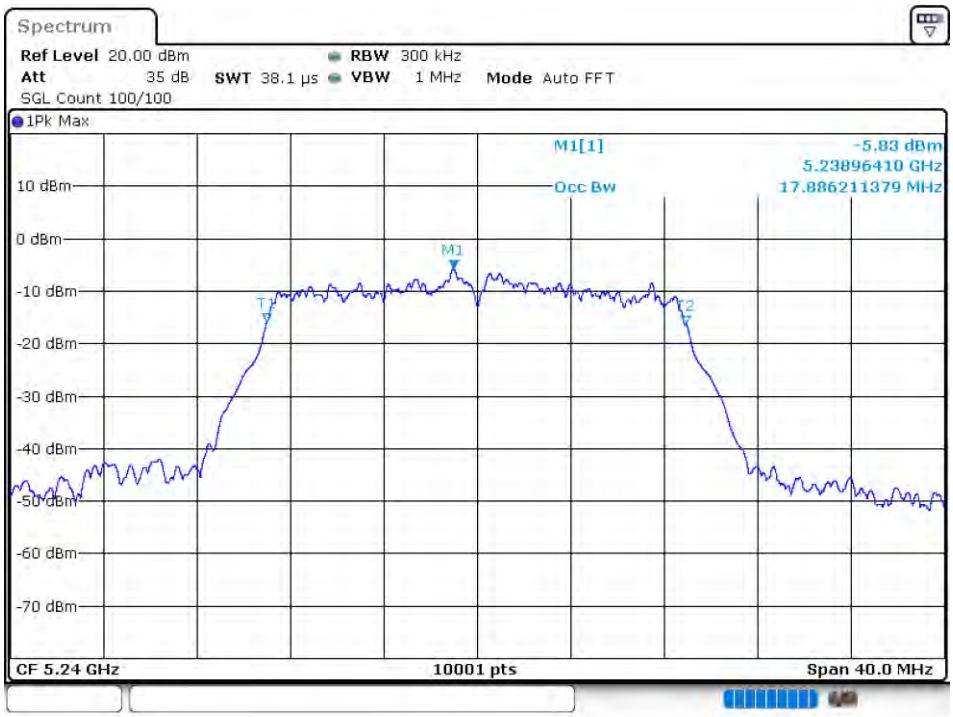

OBW NVNT 802.11n(HT20) 5200MHz Ant1



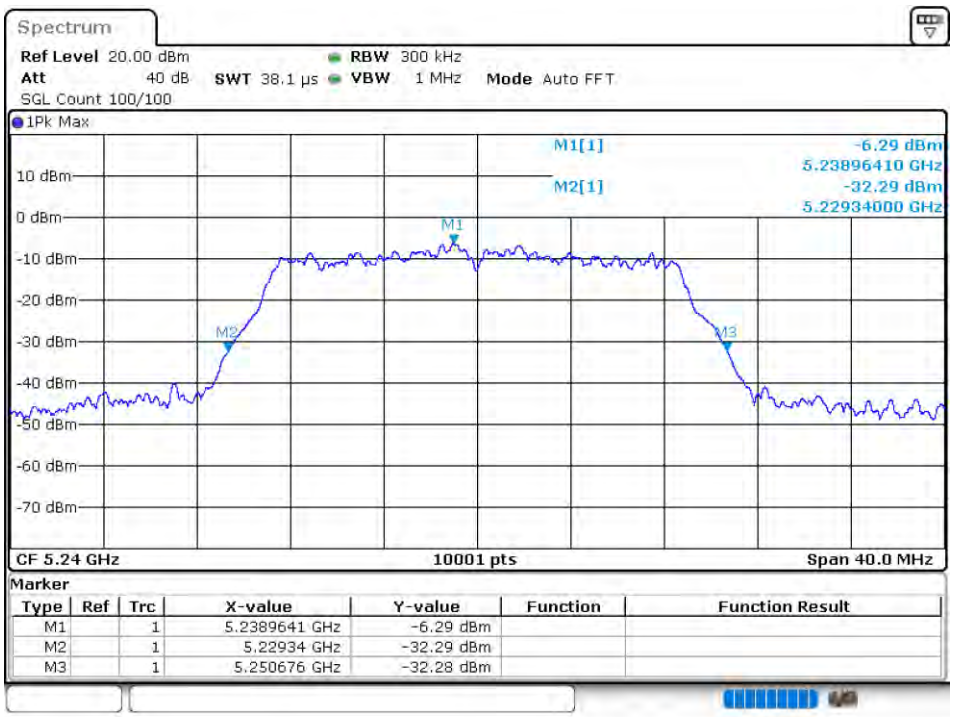
-26 dB BW NVNT 802.11n(HT20) 5200MHz Ant1



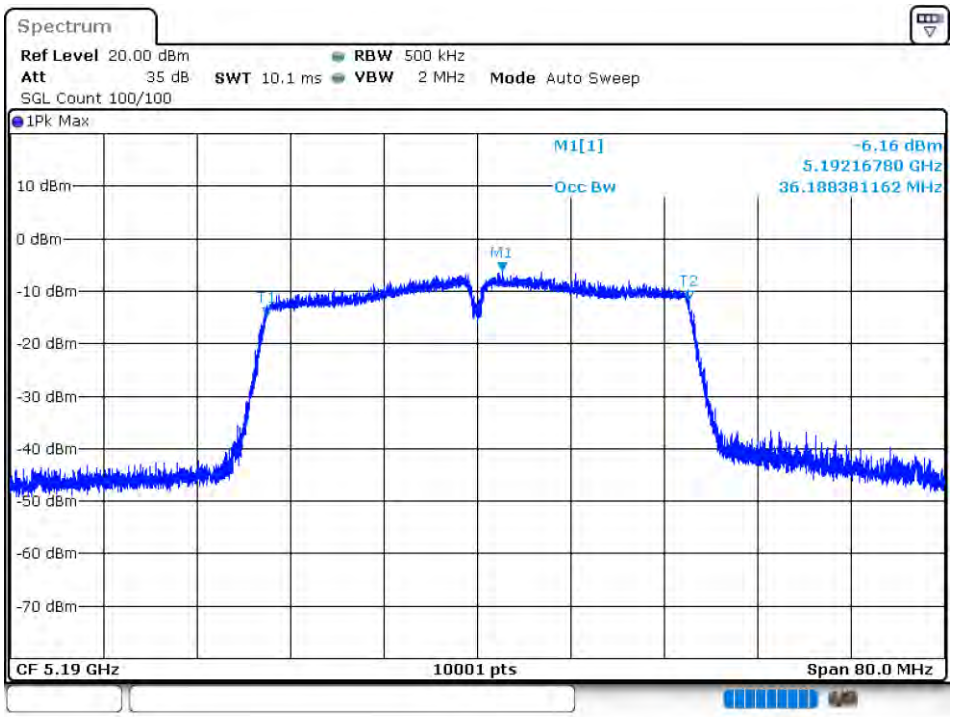

OBW NVNT 802.11n(HT20) 5240MHz Ant1



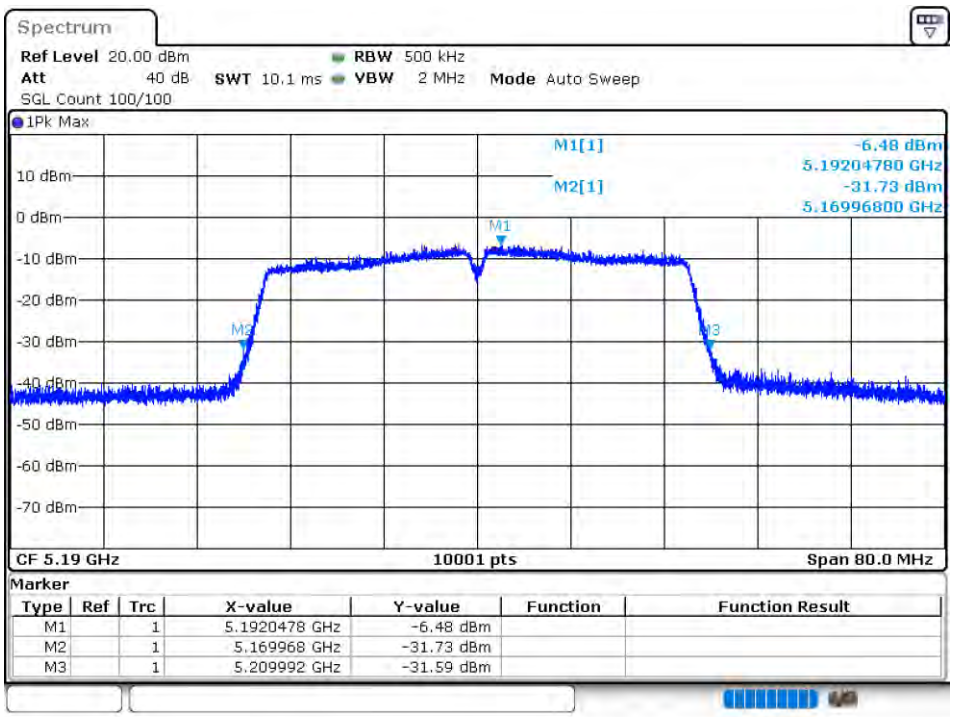
-26 dB BW NVNT 802.11n(HT20) 5240MHz Ant1



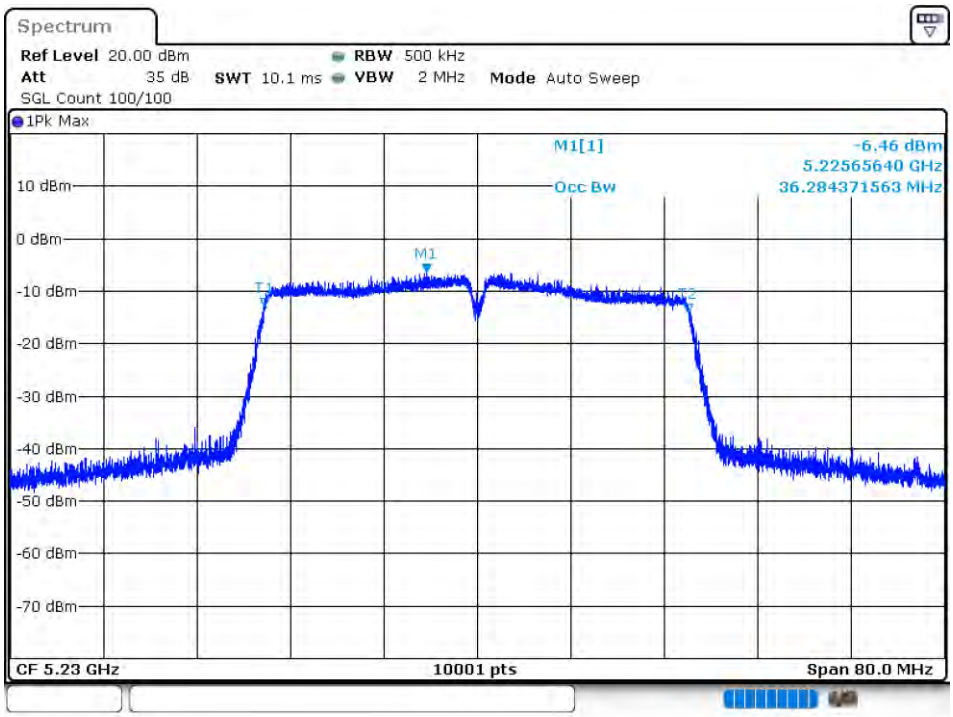

OBW NVNT 802.11n(HT40) 5190MHz Ant1



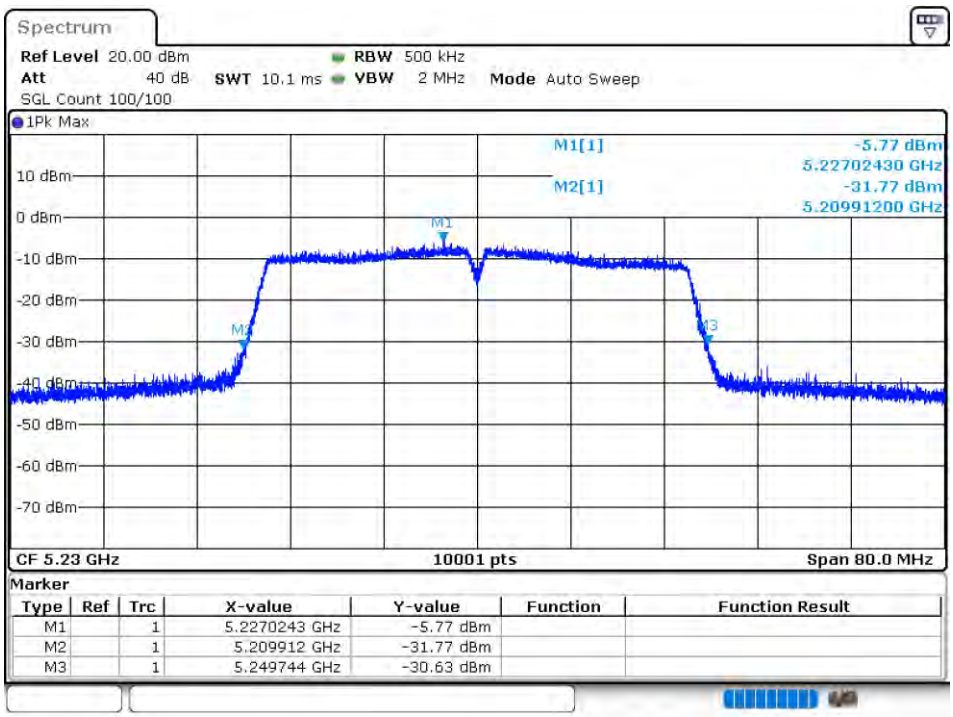
-26 dB BW NVNT 802.11n(HT40) 5190MHz Ant1




OBW NVNT 802.11n(HT40) 5230MHz Ant1



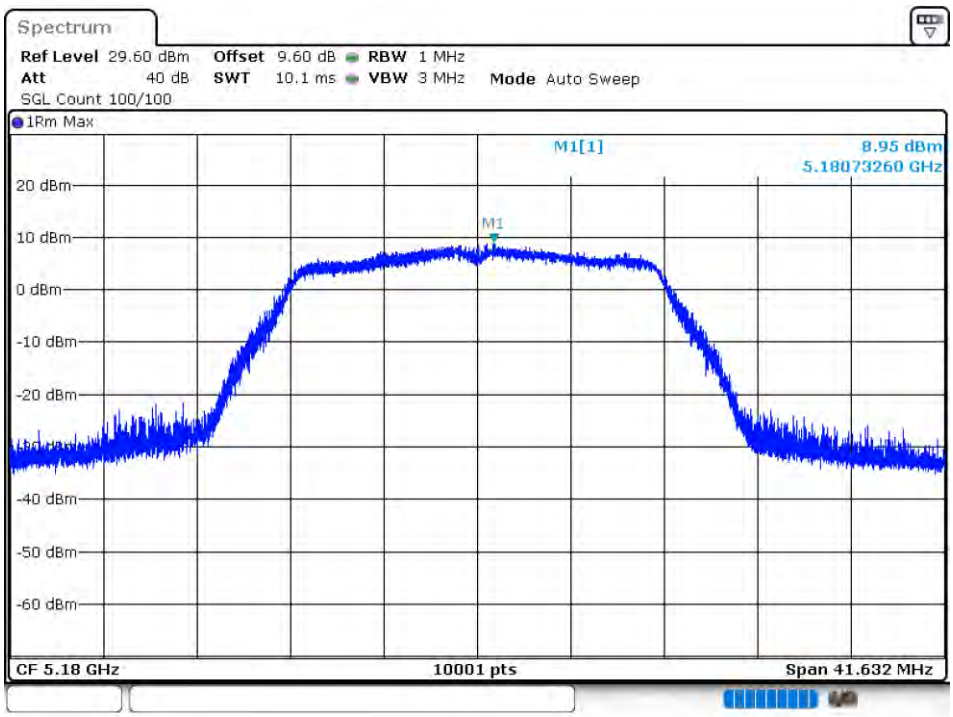
-26 dB BW NVNT 802.11n(HT40) 5230MHz Ant1



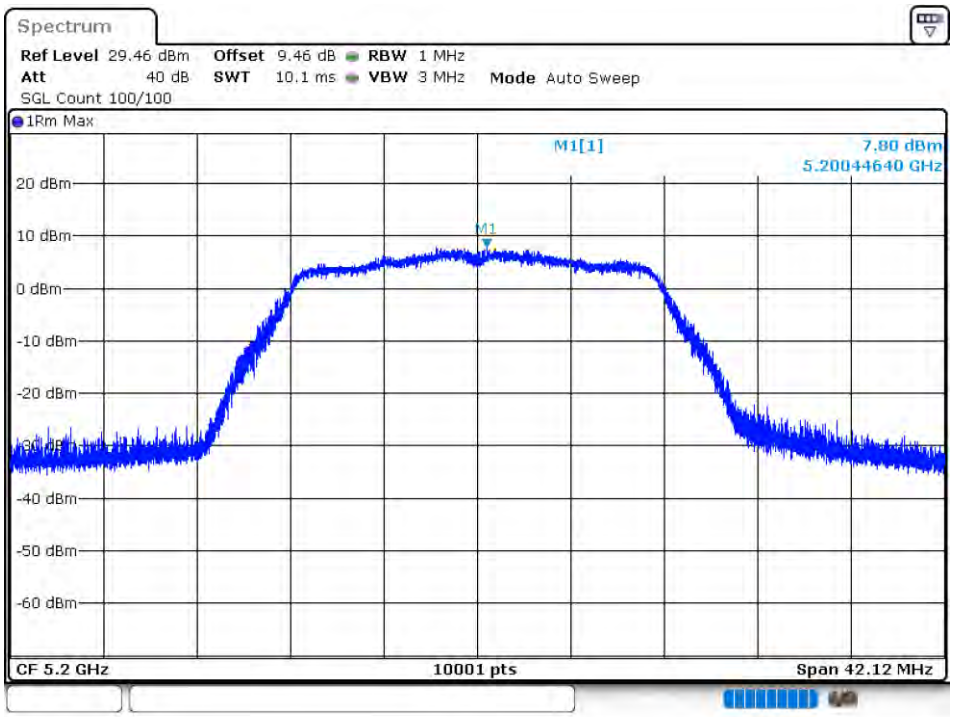

## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | 8.951 | 11 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | 7.798 | 11 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | 8.762 | 11 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | 7.019 | 11 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | 7.063 | 11 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | 8.248 | 11 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | 5.075 | 11 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | 5.594 | 11 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | 1.631 | 11 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | 7.592 | 11 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | 5.885 | 11 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | 7.506 | 11 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | 4.516 | 11 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | 4.899 | 11 | Pass |

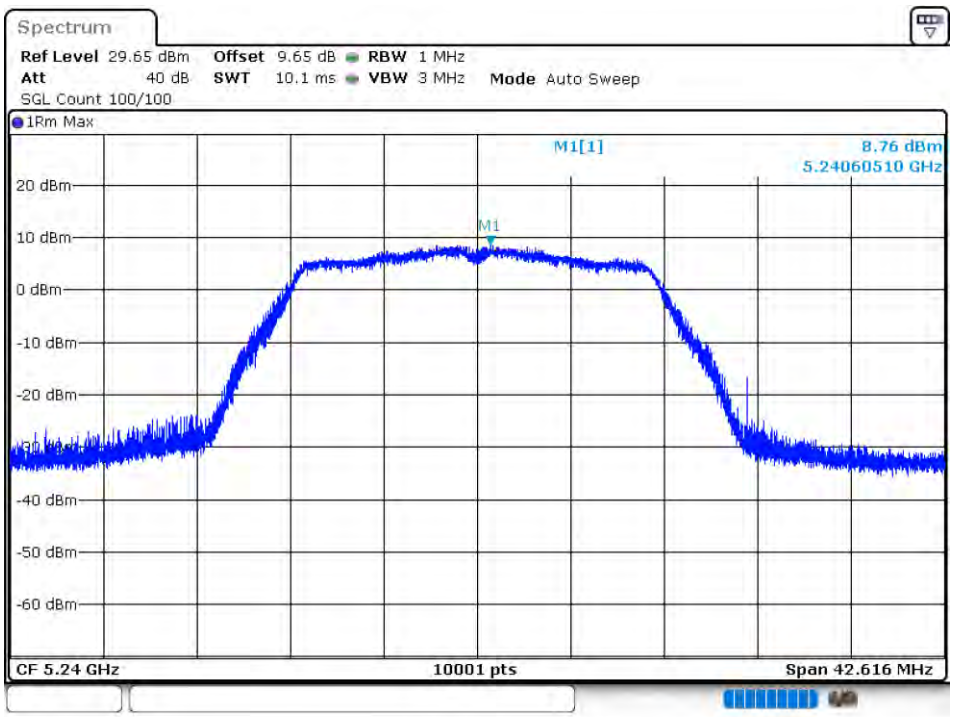
PSD NVNT 802.11a 5180MHz Ant1



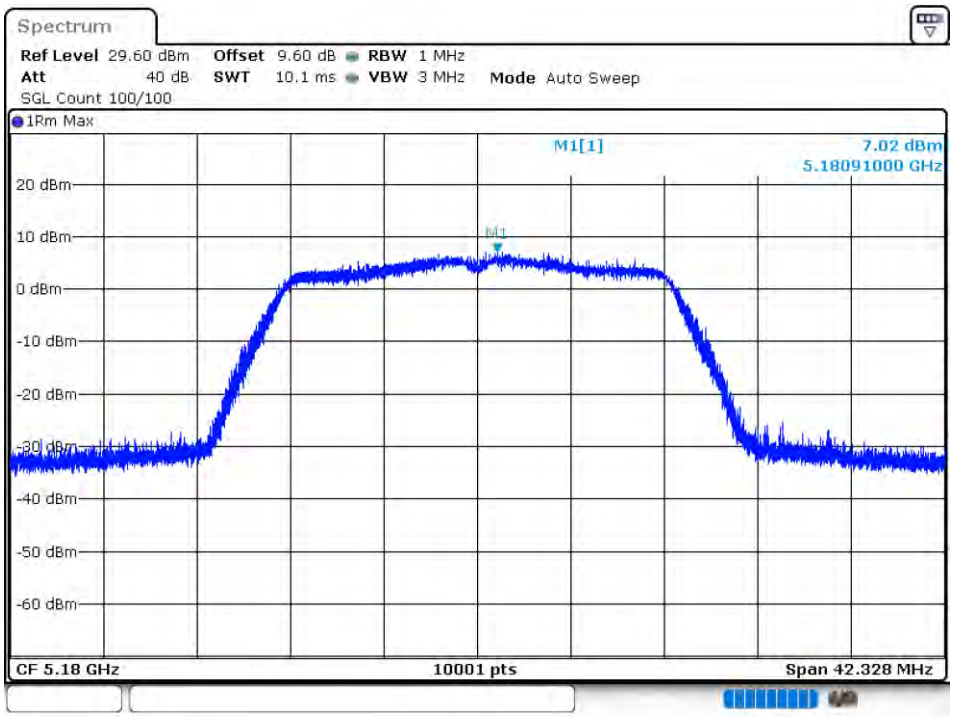

PSD NVNT 802.11a 5200MHz Ant1



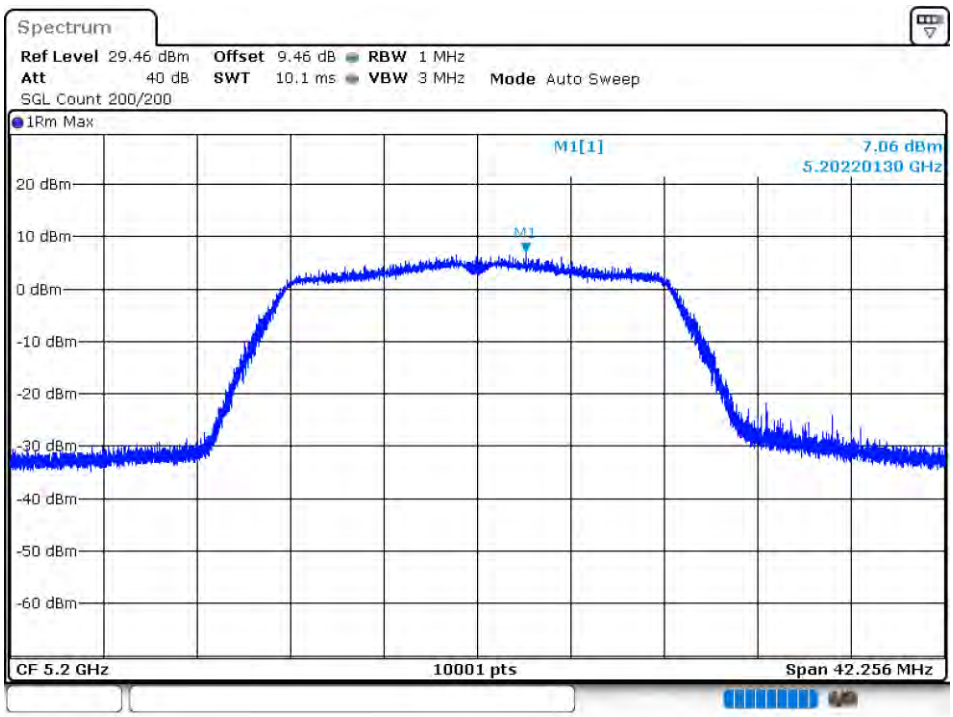
PSD NVNT 802.11a 5240MHz Ant1



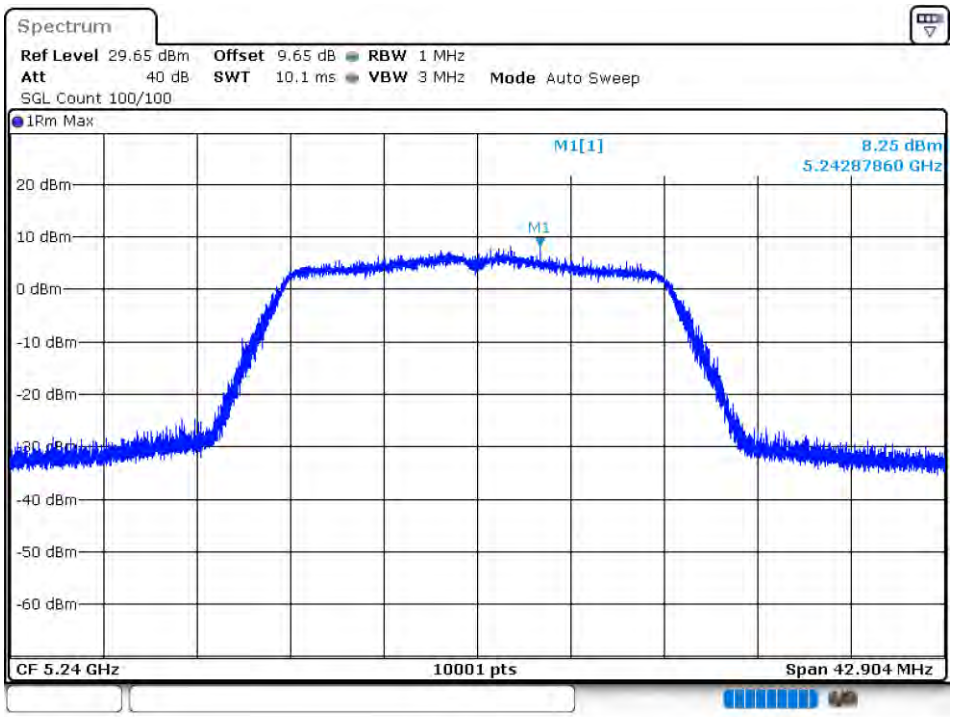

PSD NVNT 802.11ac20 5180MHz Ant1



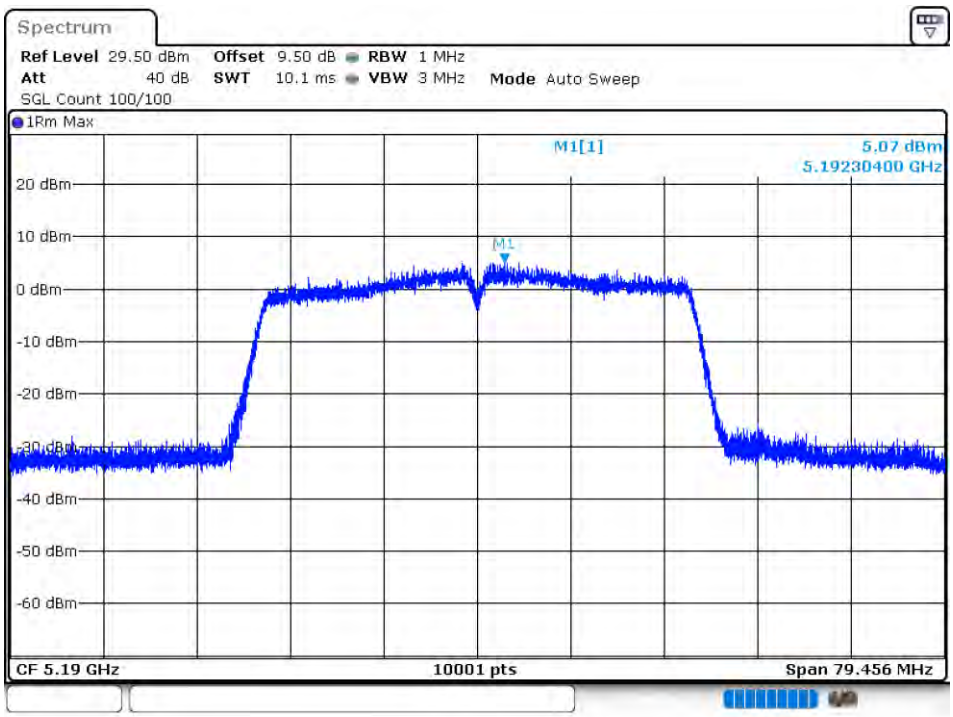
PSD NVNT 802.11ac20 5200MHz Ant1



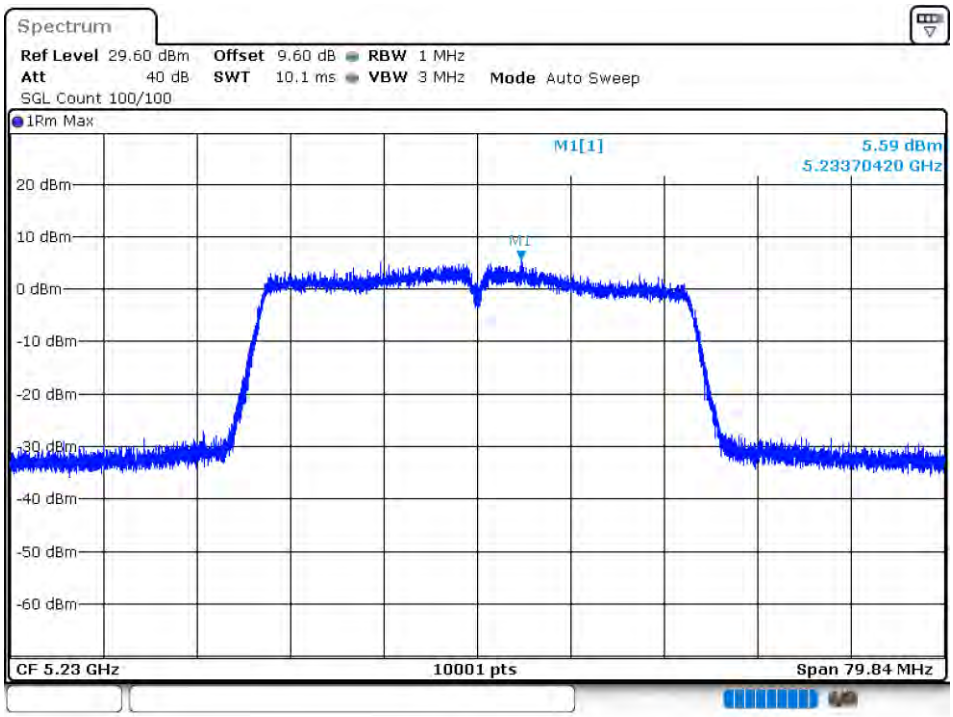

PSD NVNT 802.11ac20 5240MHz Ant1



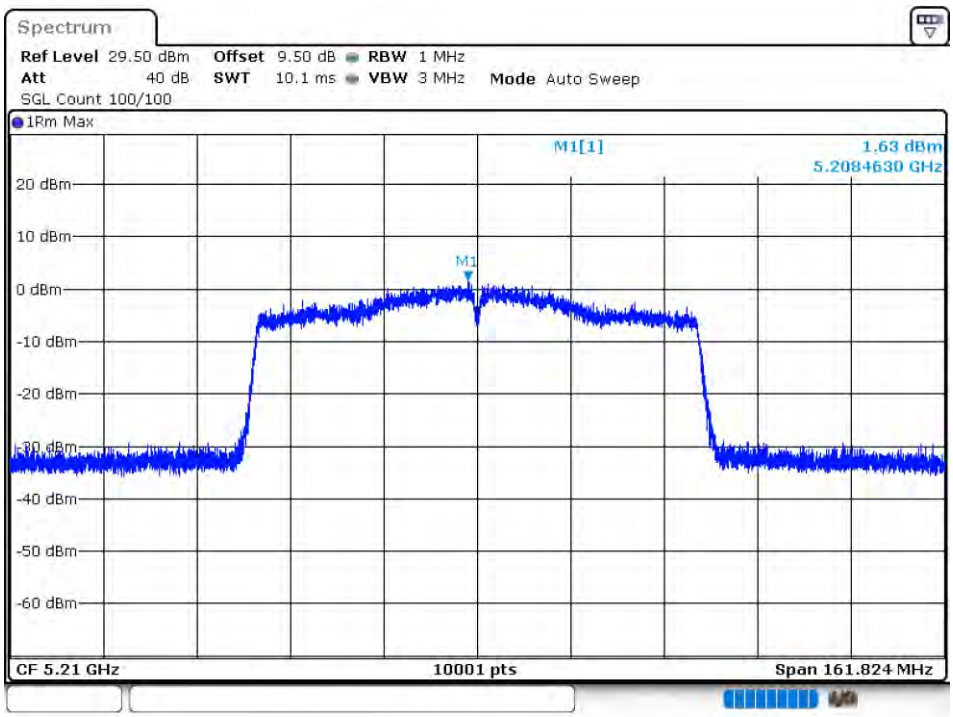
PSD NVNT 802.11ac40 5190MHz Ant1



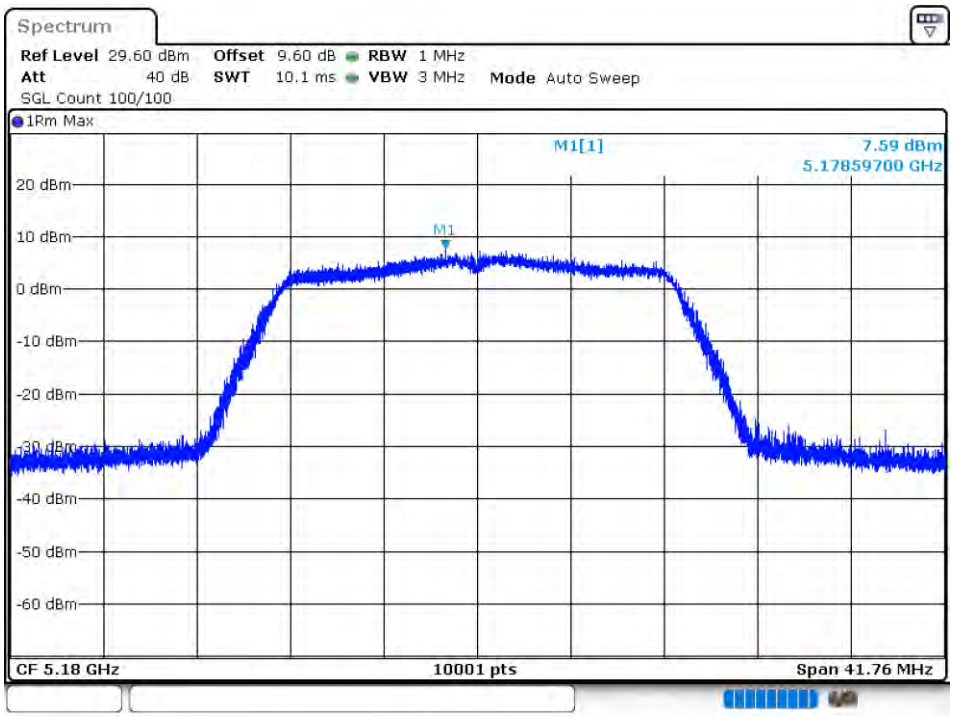

PSD NVNT 802.11ac40 5230MHz Ant1



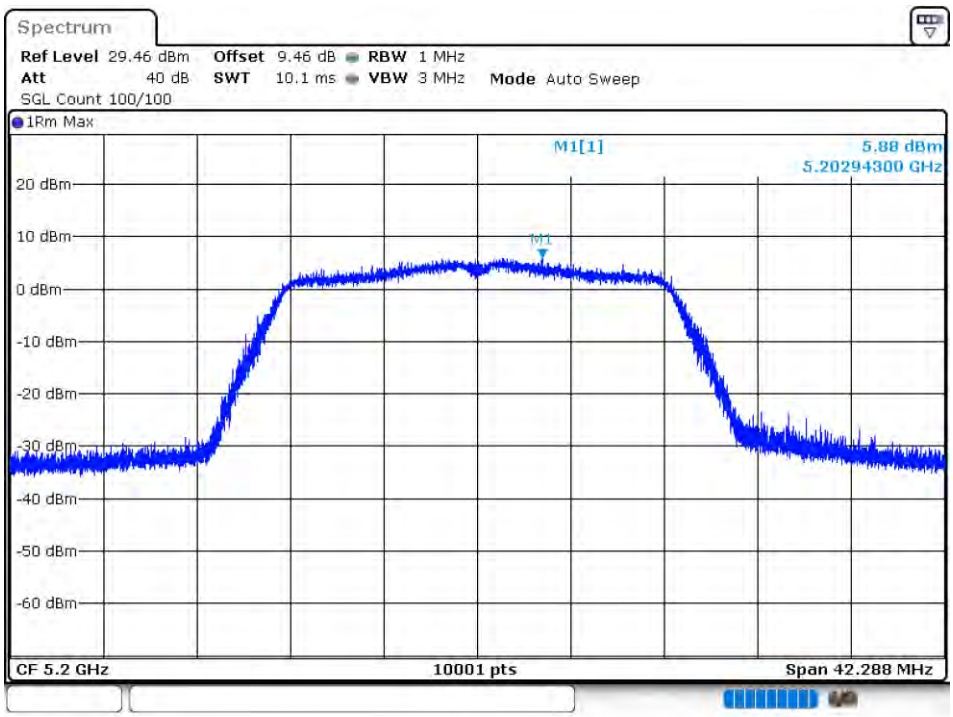
PSD NVNT 802.11ac80 5210MHz Ant1



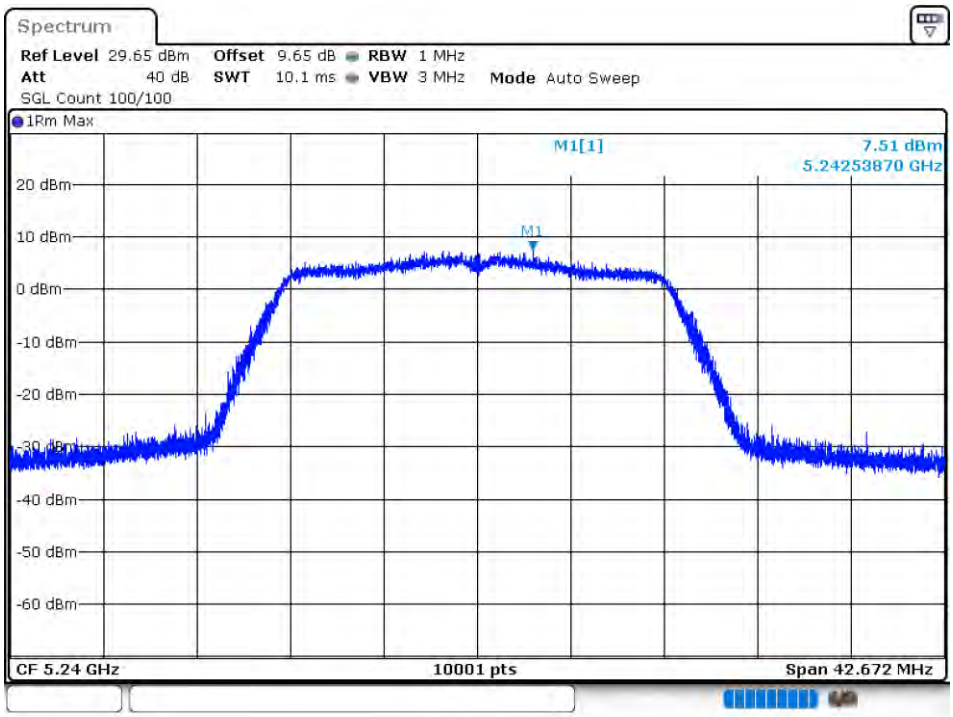

PSD NVNT 802.11n(HT20) 5180MHz Ant1



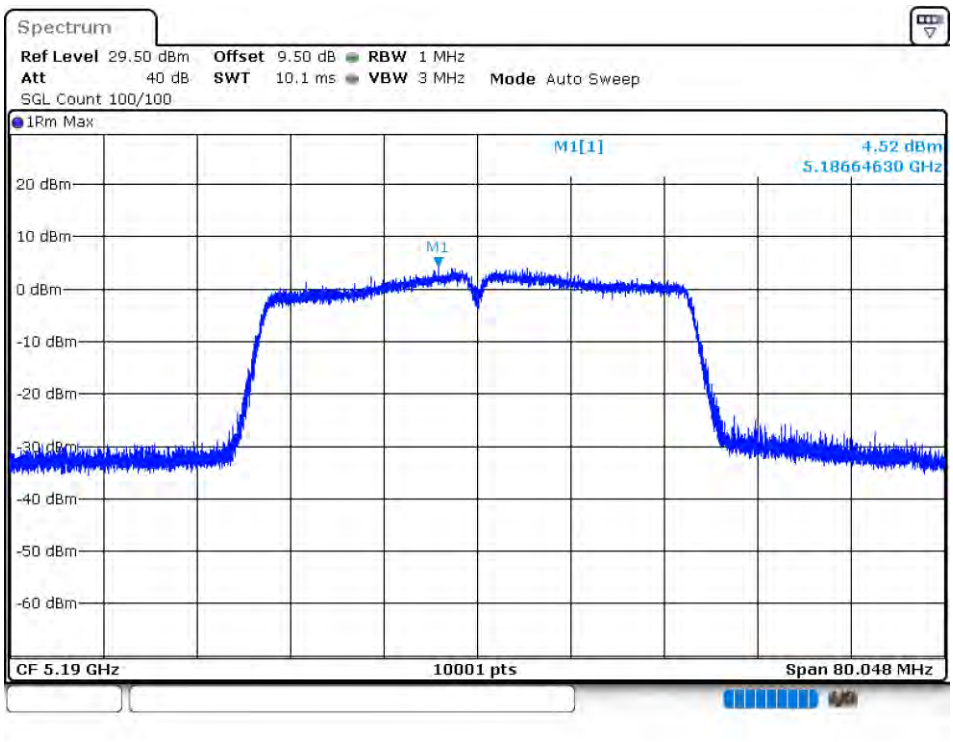
PSD NVNT 802.11n(HT20) 5200MHz Ant1



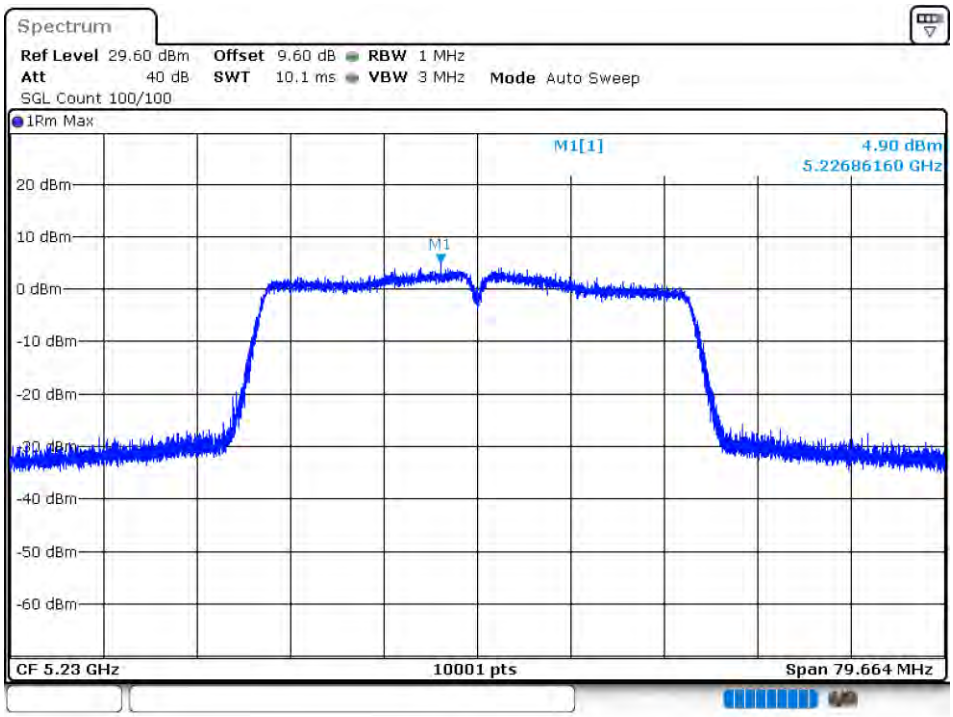

PSD NVNT 802.11n(HT20) 5240MHz Ant1



PSD NVNT 802.11n(HT40) 5190MHz Ant1



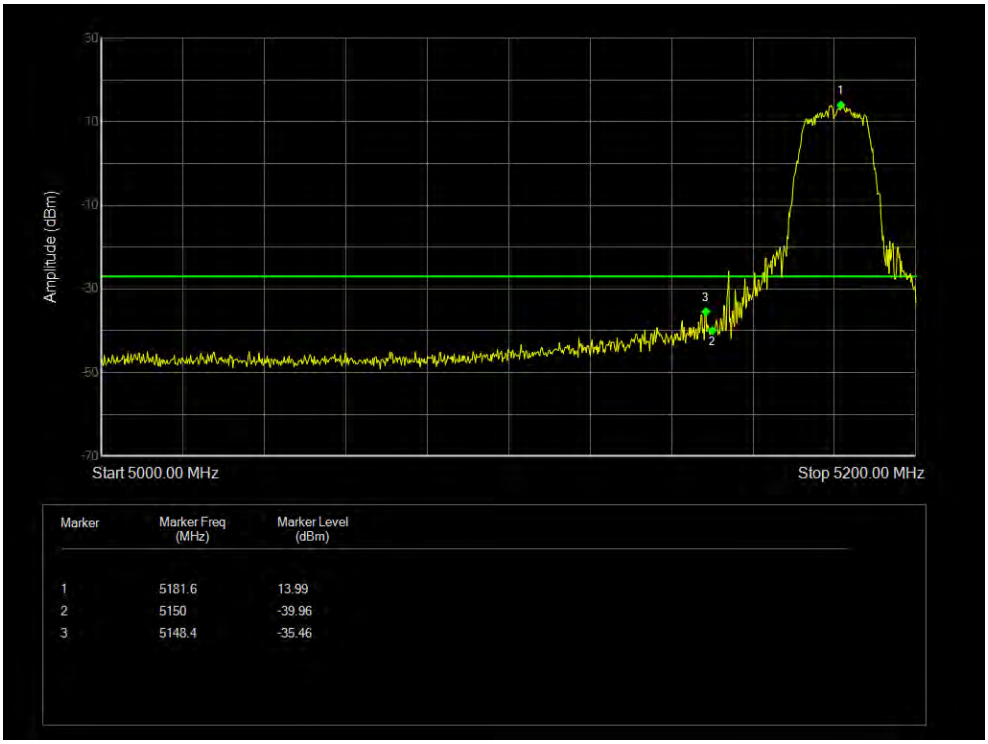

PSD NVNT 802.11n(HT40) 5230MHz Ant1



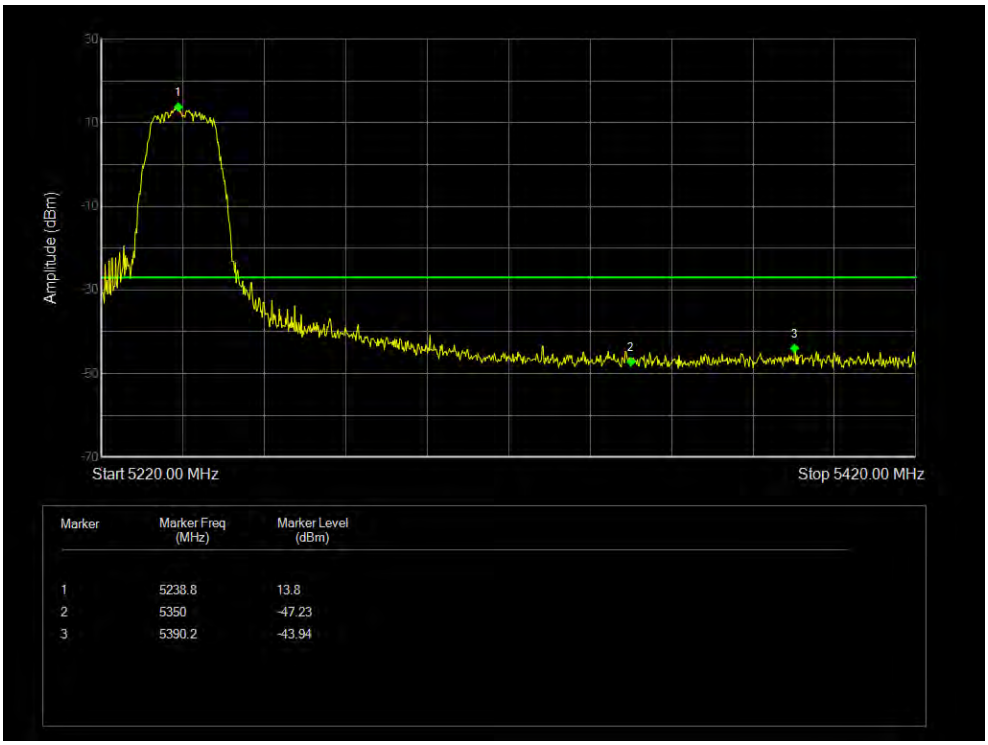
## Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Verdict |
|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | -35.46 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | -43.94 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | -40.87 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | -43.52 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -34.71 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | -44.12 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | -43.22 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | -31.77 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | -41.03 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | -43.45 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -32.95 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -44.06 | Pass |

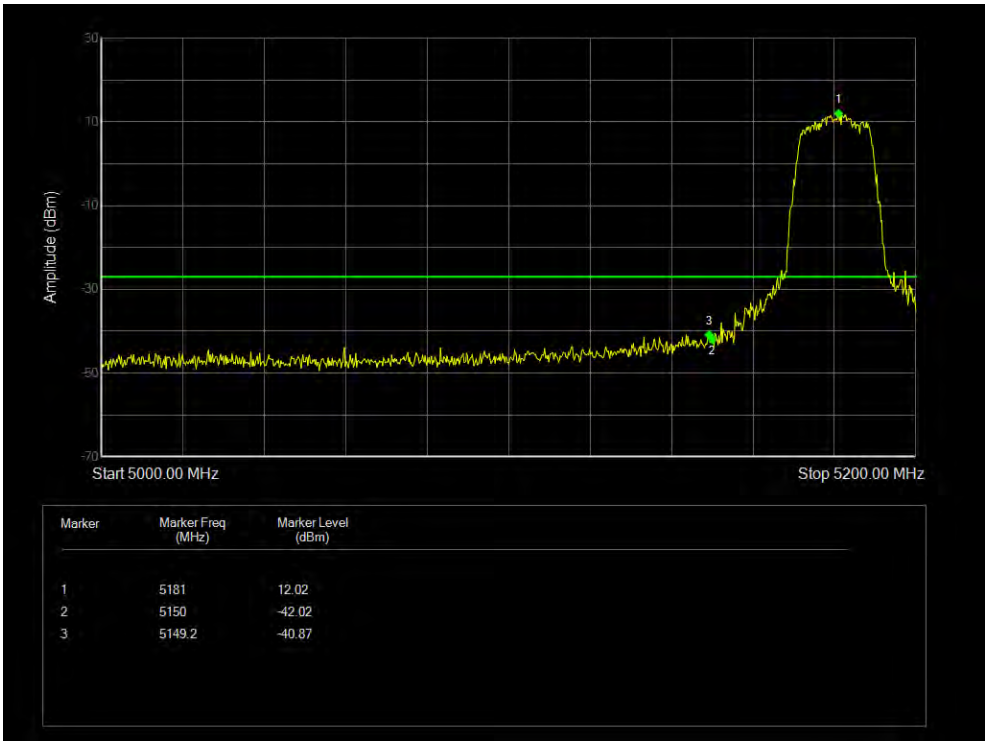
Band Edge NVNT 802.11a 5180MHz Low Ant1



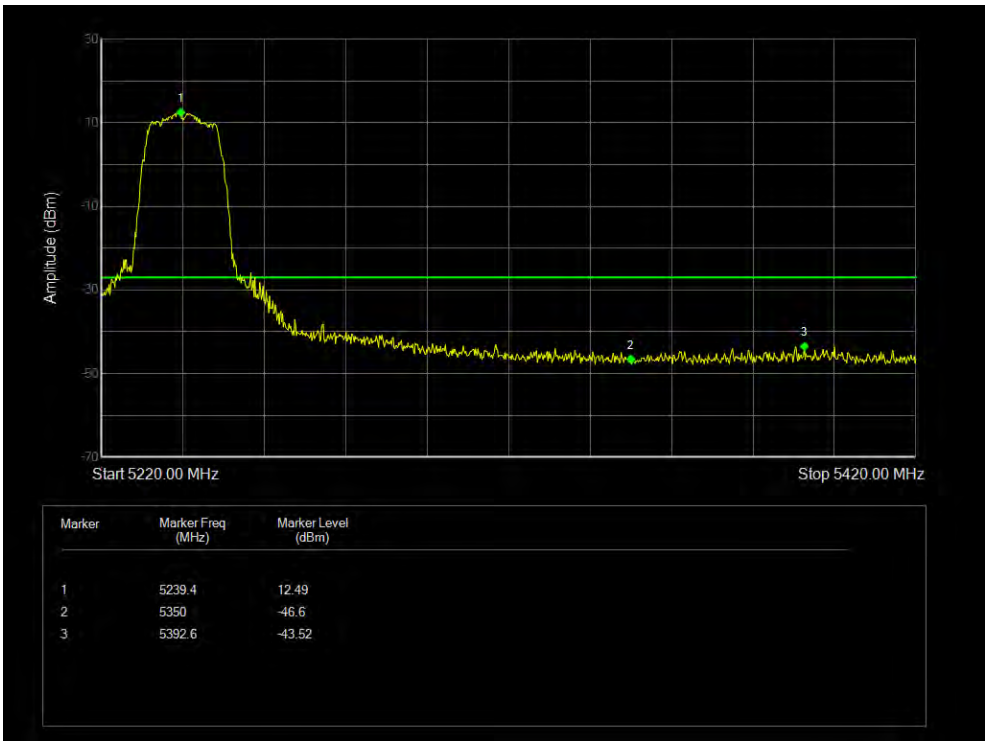
Band Edge NVNT 802.11a 5240MHz High Ant1



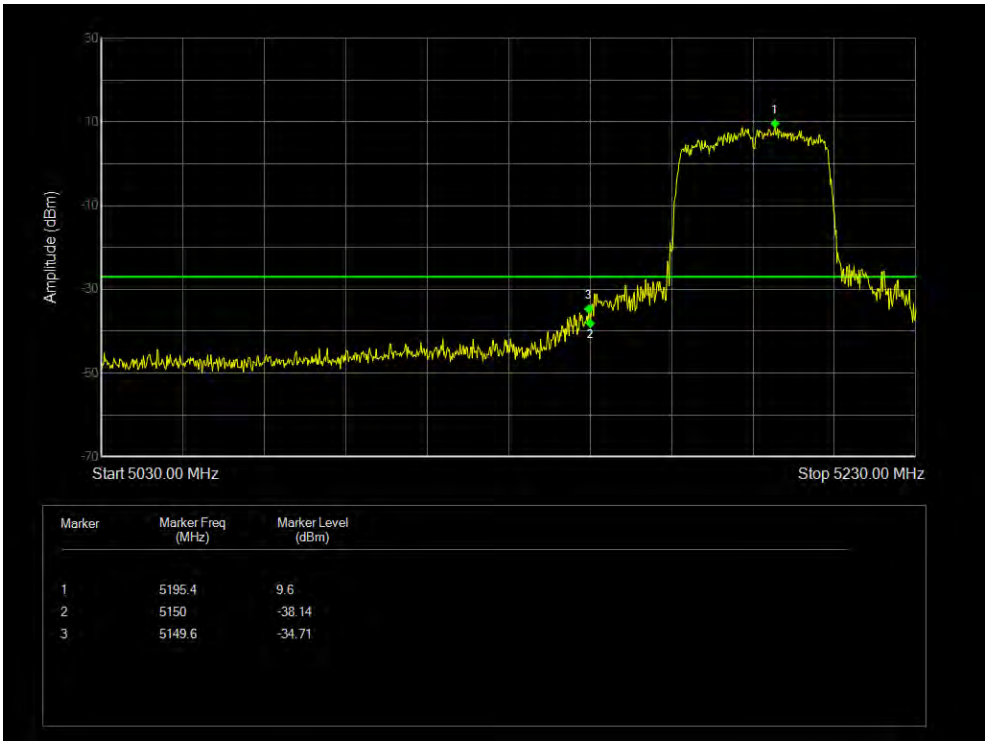

Band Edge NVNT 802.11ac20 5180MHz Low Ant1



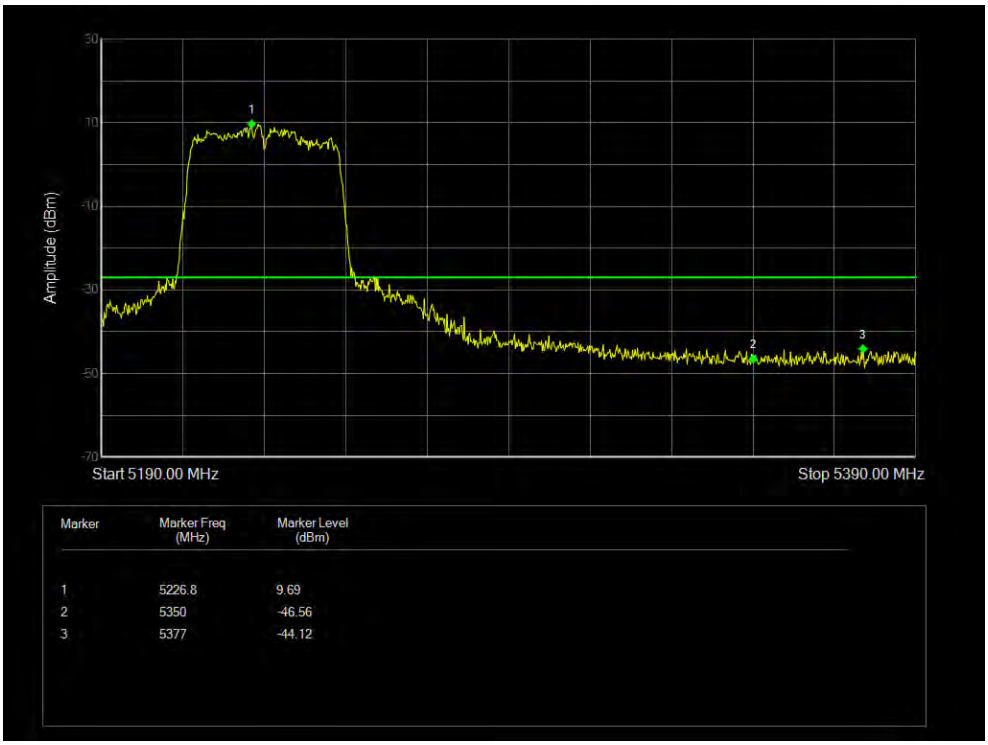
Band Edge NVNT 802.11ac20 5240MHz High Ant1



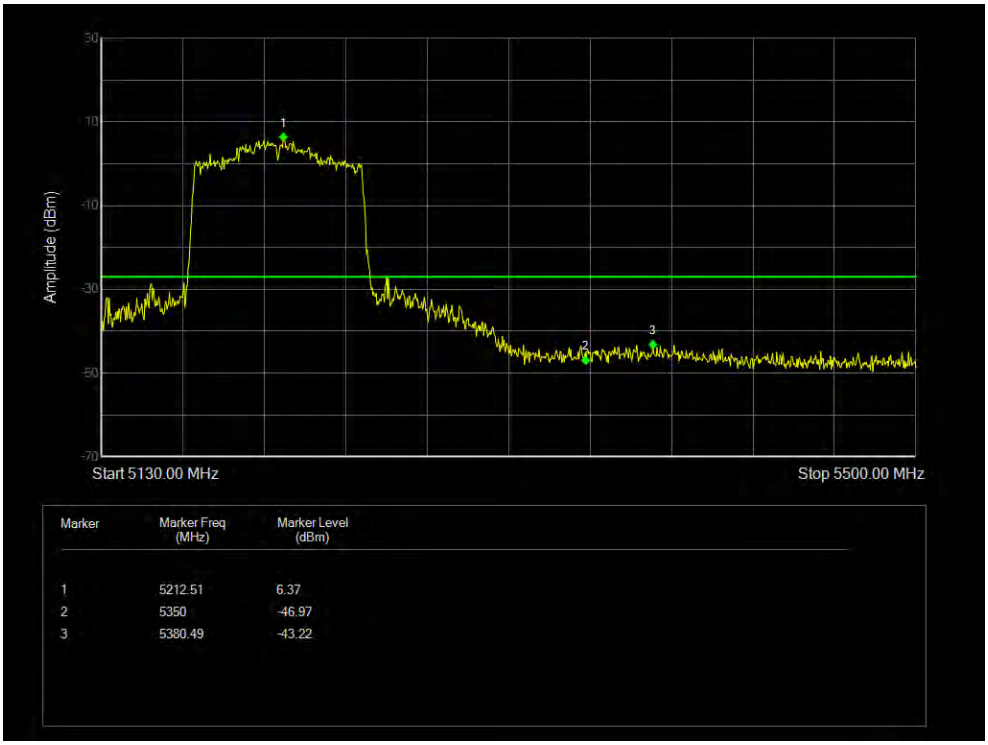

Band Edge NVNT 802.11ac40 5190MHz Low Ant1



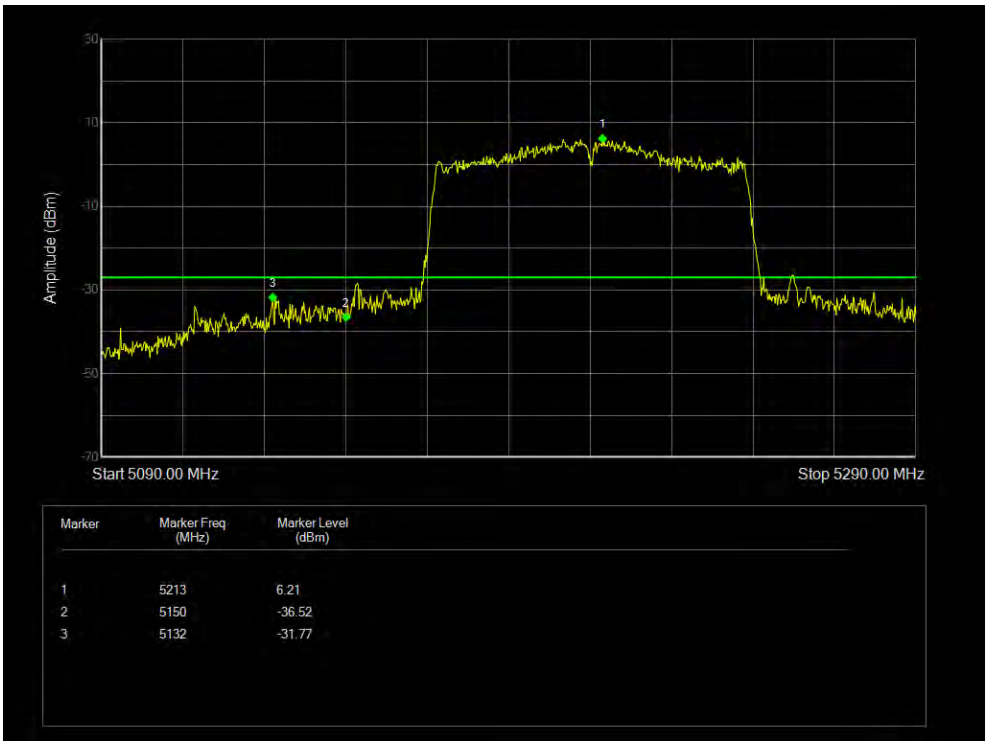
Band Edge NVNT 802.11ac40 5230MHz High Ant1



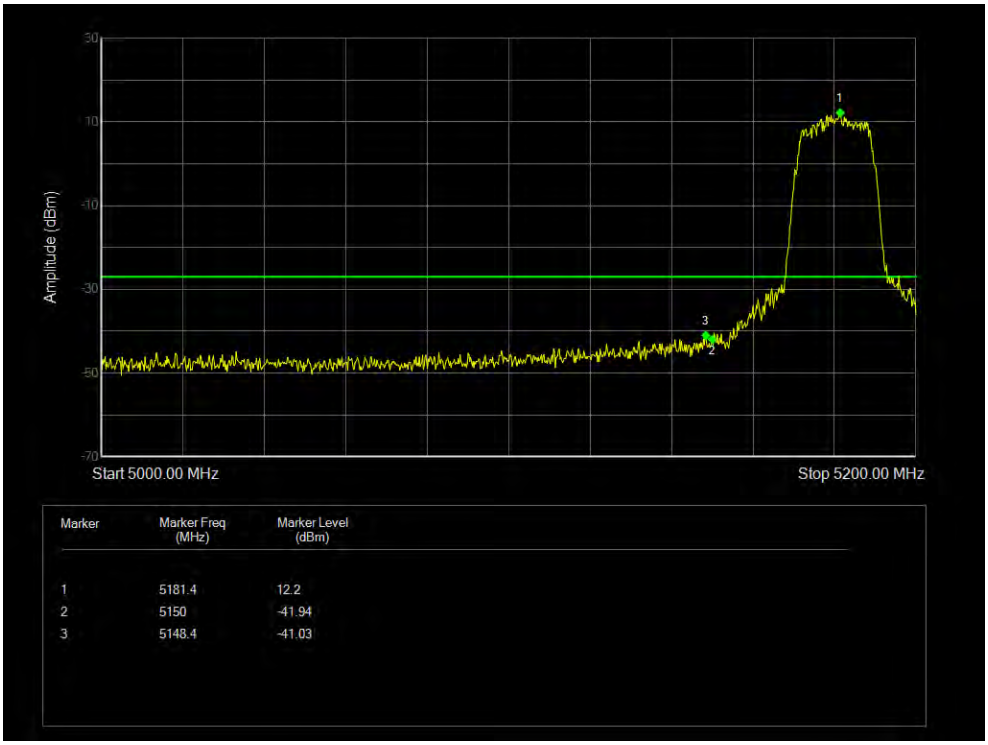

Band Edge NVNT 802.11ac80 5210MHz High Ant1



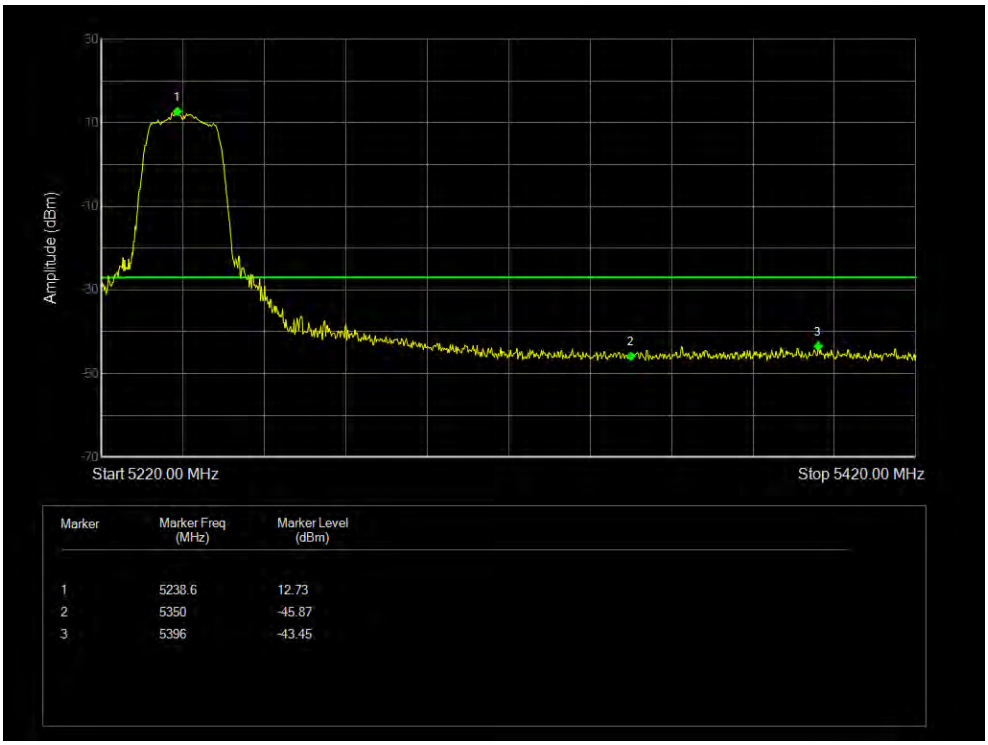
Band Edge NVNT 802.11ac80 5210MHz Low Ant1



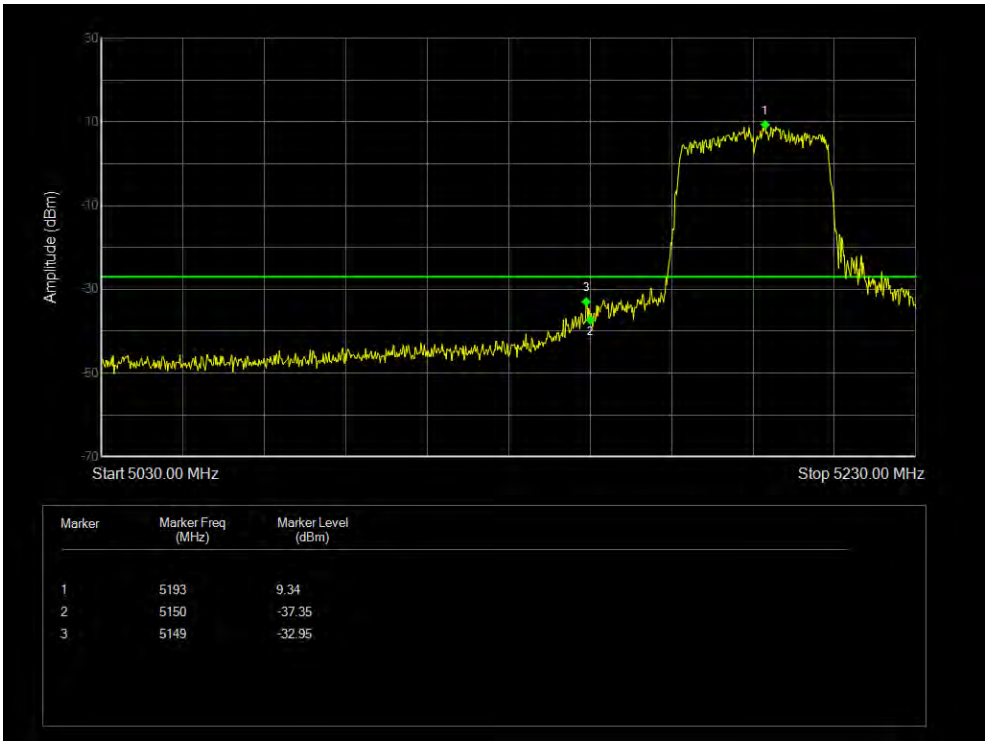

Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1



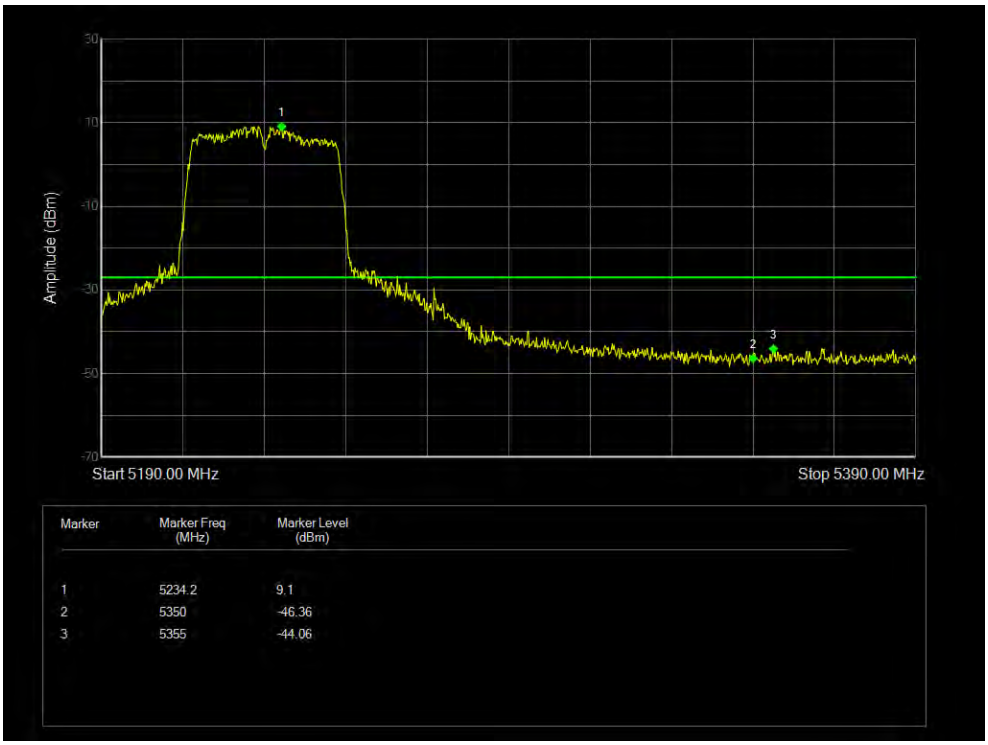
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1




Band Edge NVNT 802.11n(HT40) 5190MHz Low Ant1



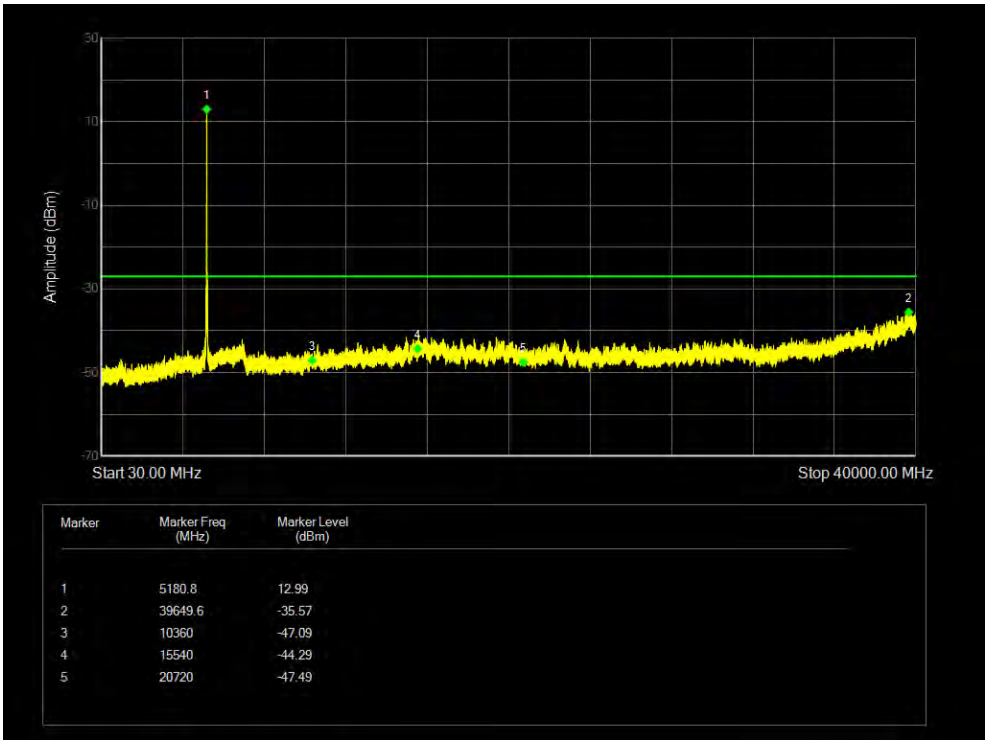
Band Edge NVNT 802.11n(HT40) 5230MHz High Ant1



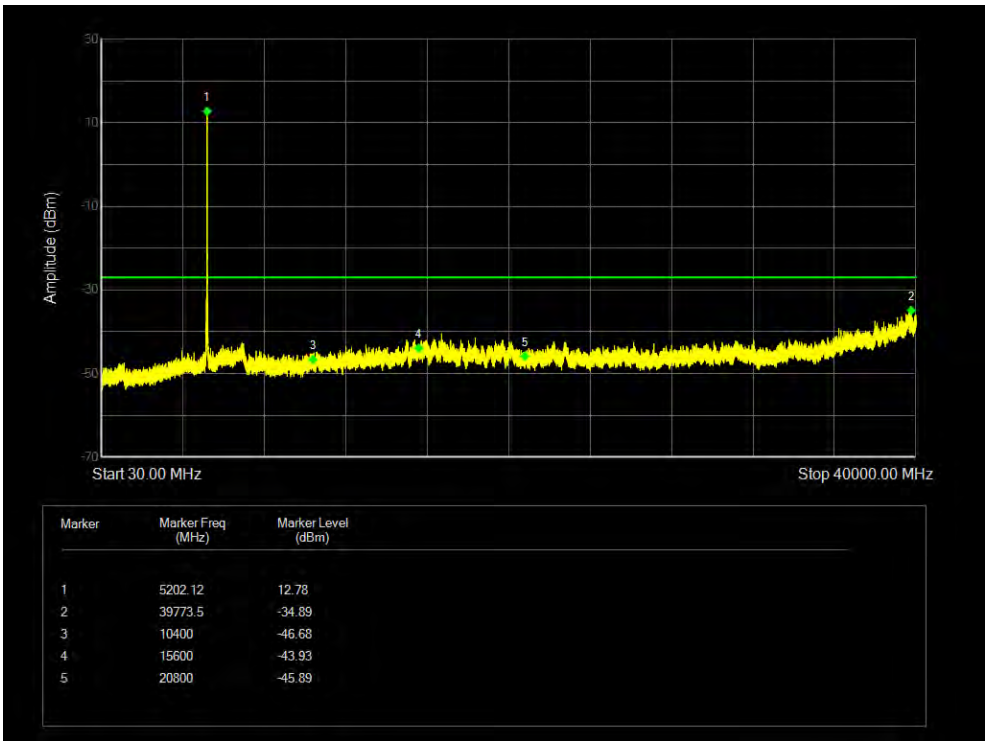
## Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | -35.57 | -27 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | -34.89 | -27 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | -34.77 | -27 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | -34.82 | -27 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | -35.35 | -27 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | -33.6 | -27 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -35.1 | -27 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | -34.87 | -27 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | -34.67 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | -34.67 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | -35.56 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | -34.71 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -35.35 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -35.52 | -27 | Pass |

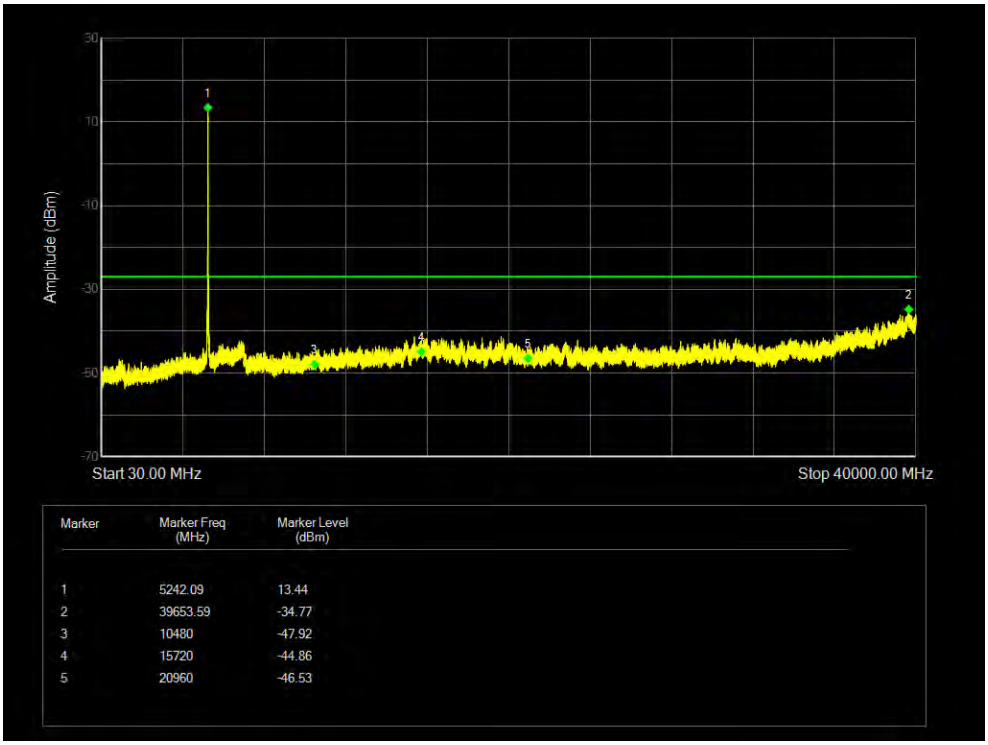
Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



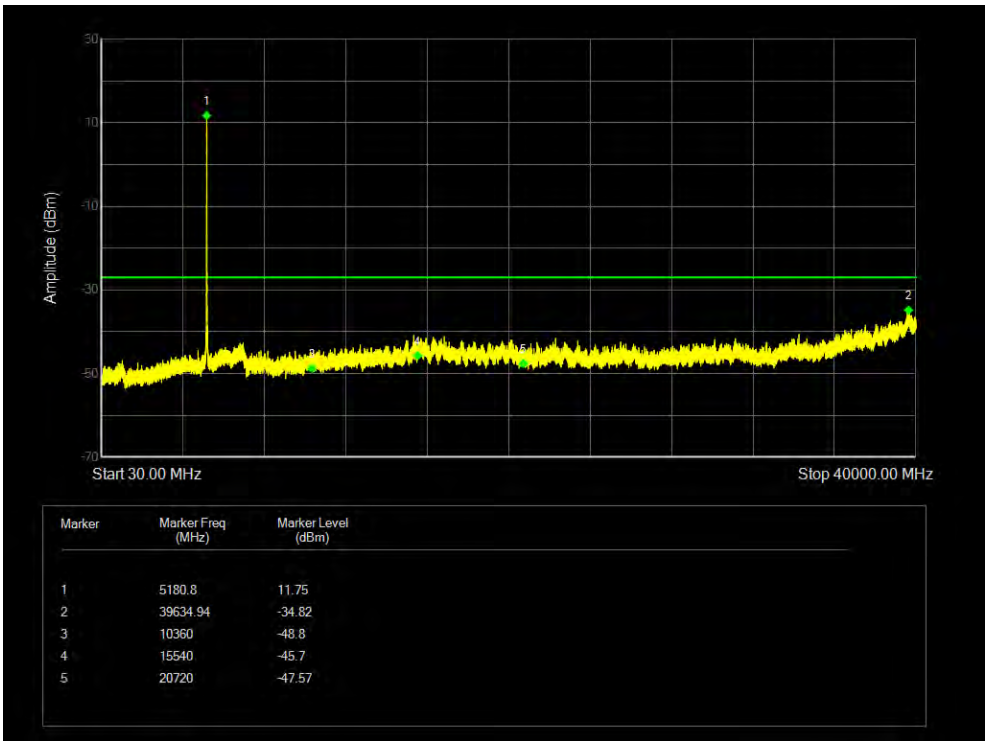
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission



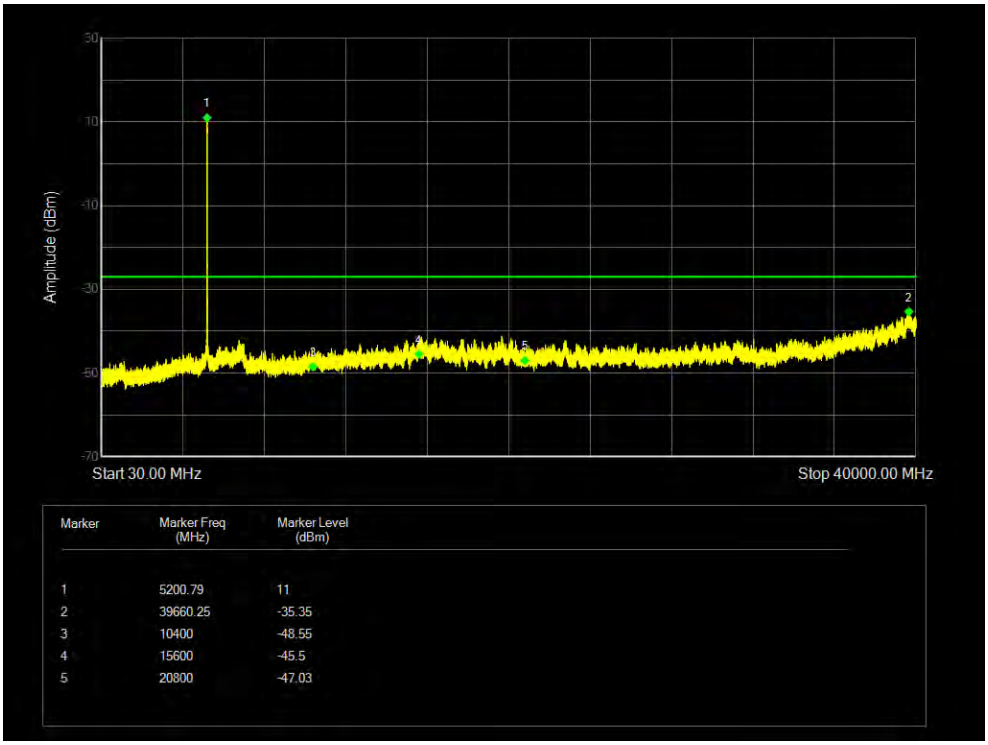

Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



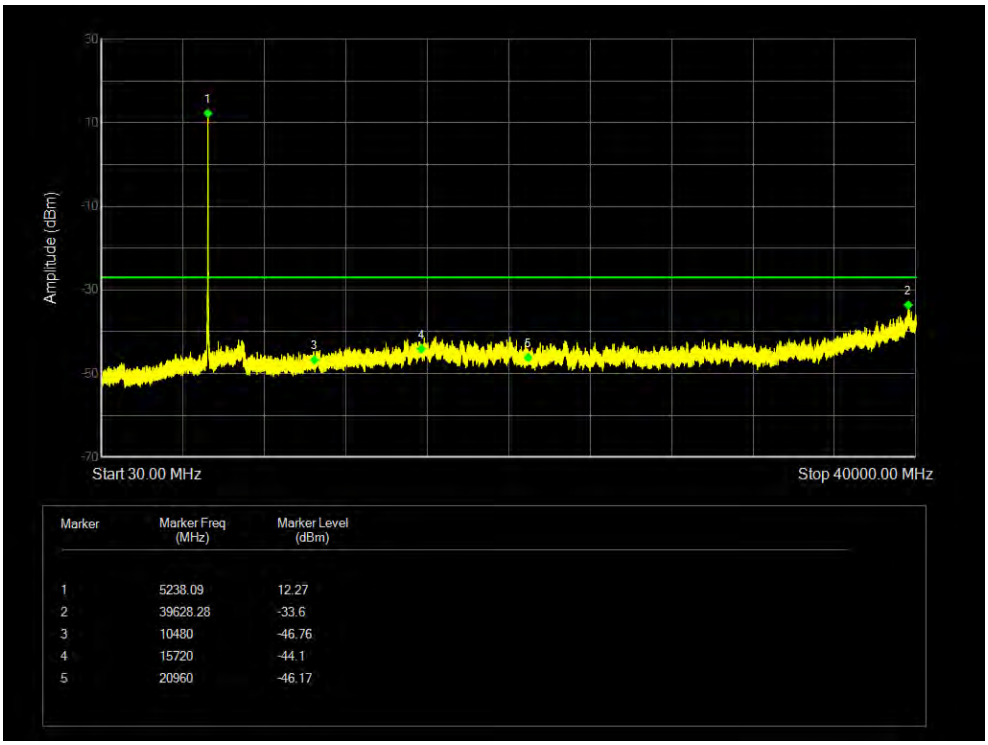
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission



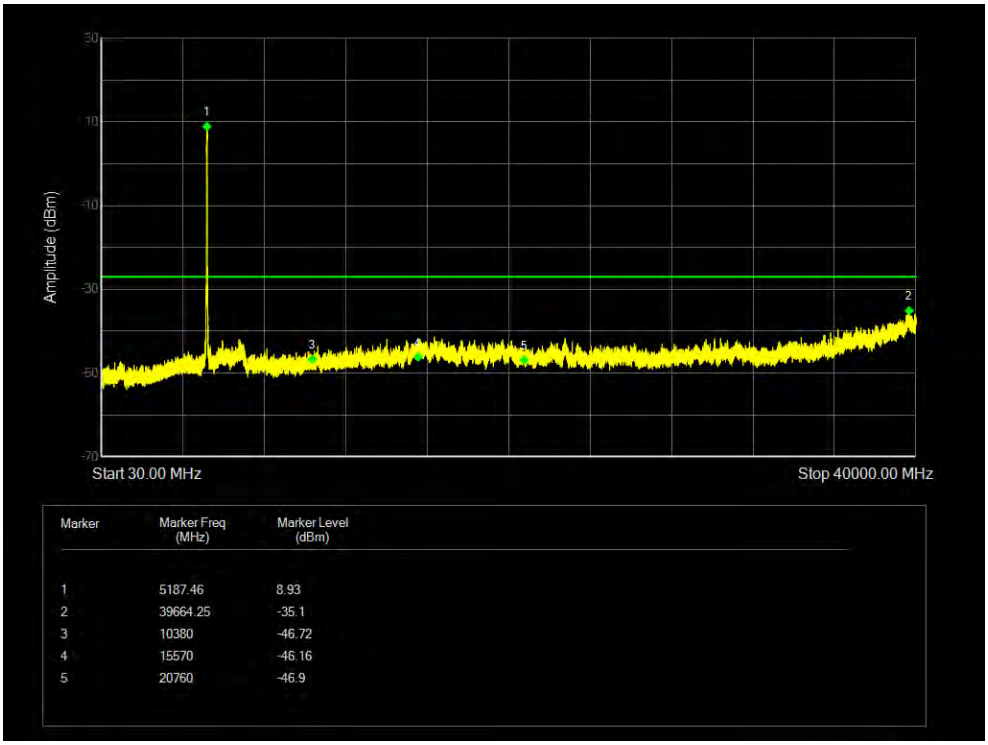

Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission



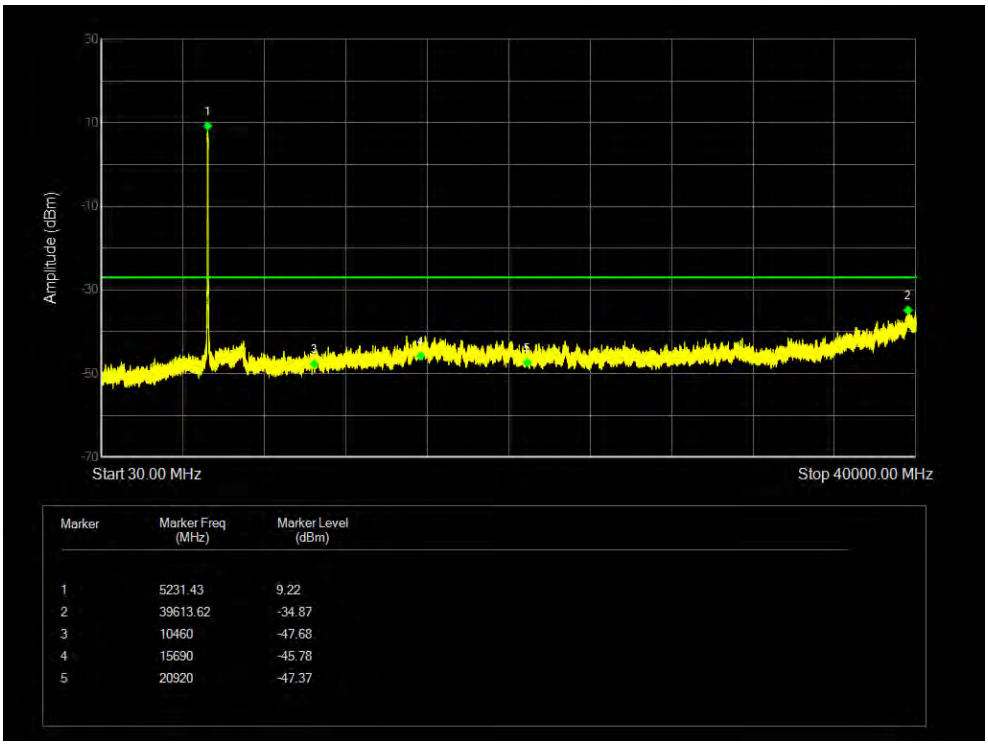
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission




Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission



Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission

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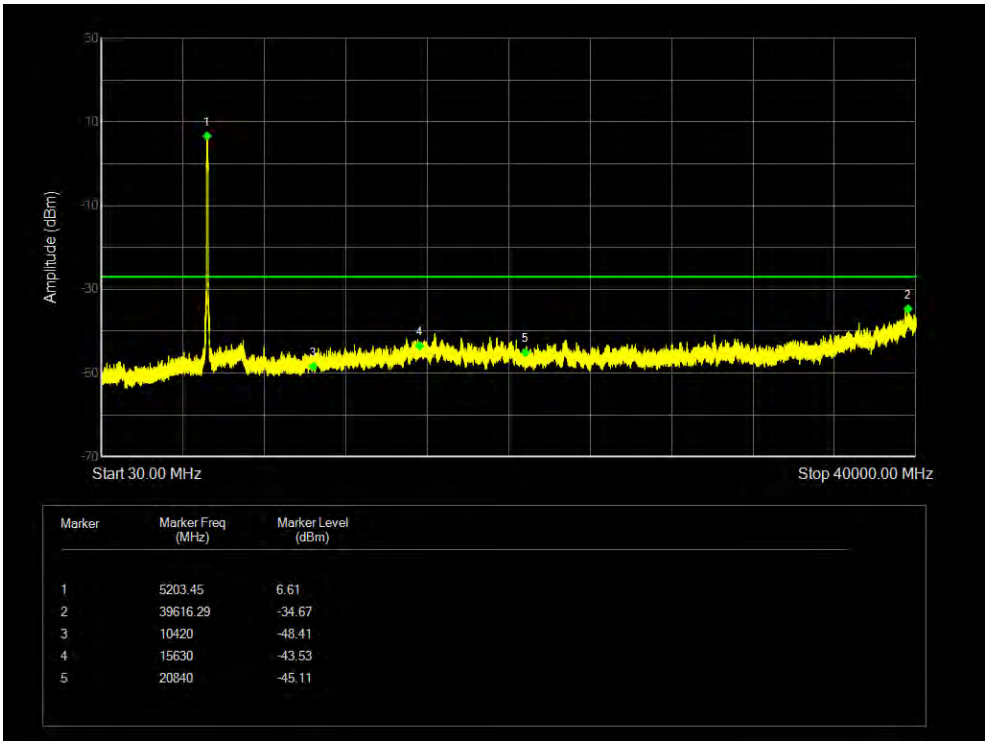
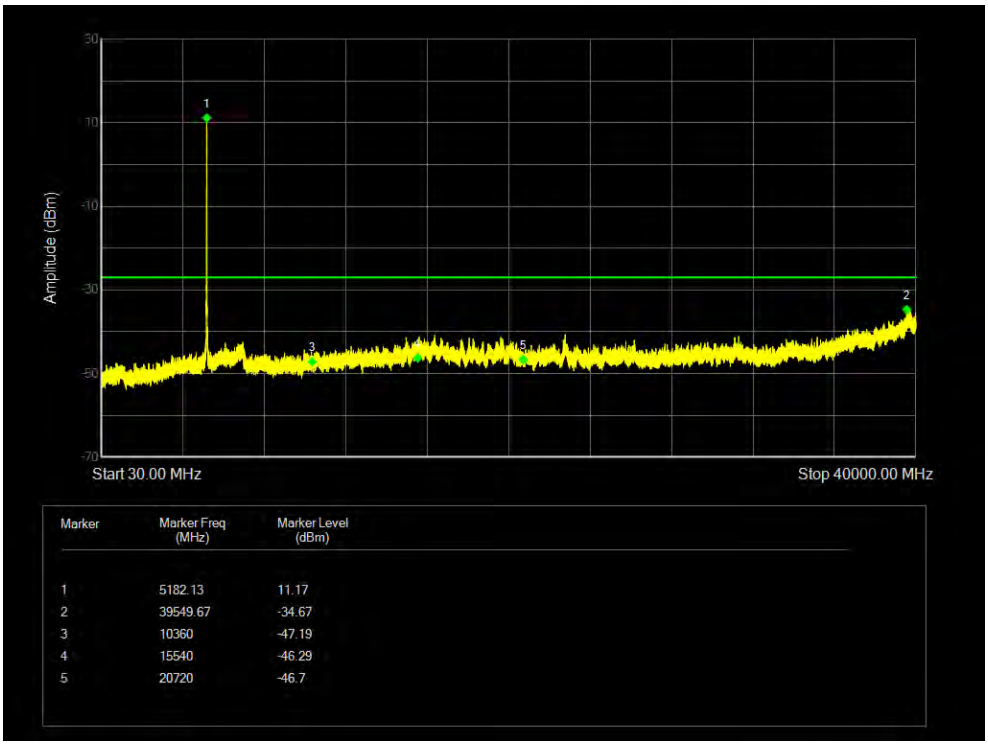


Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission

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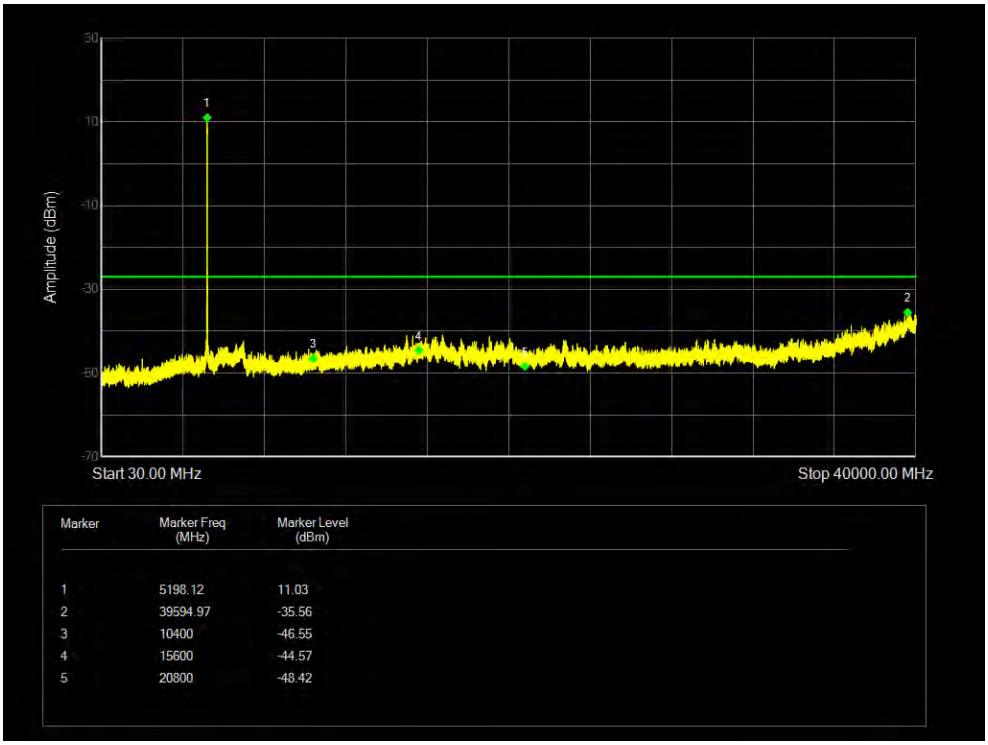
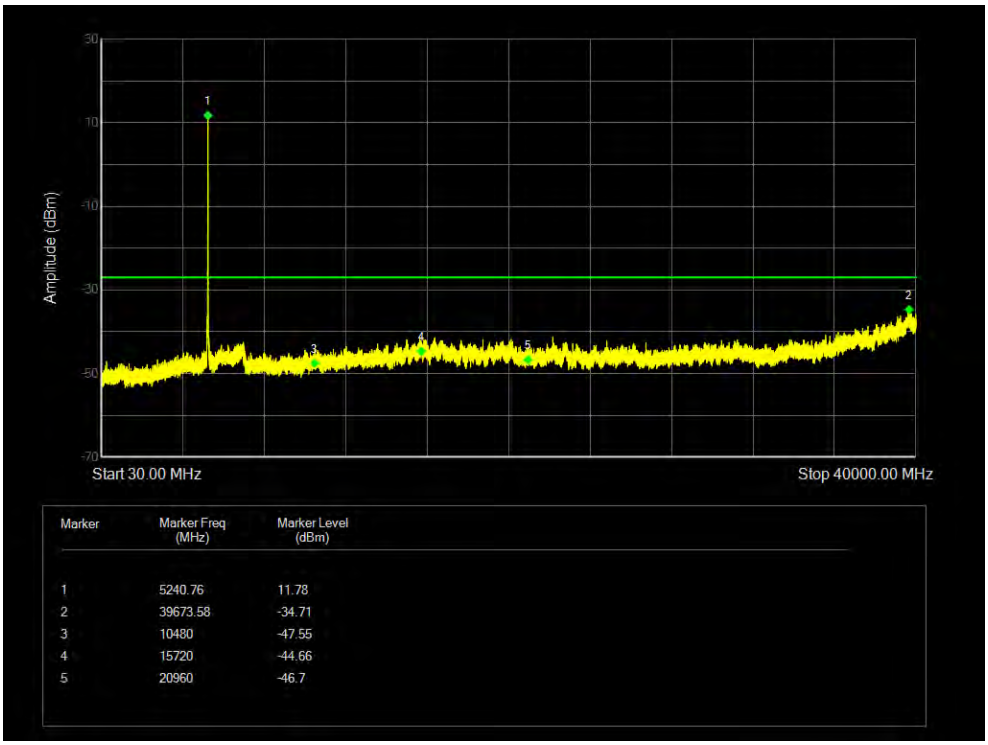
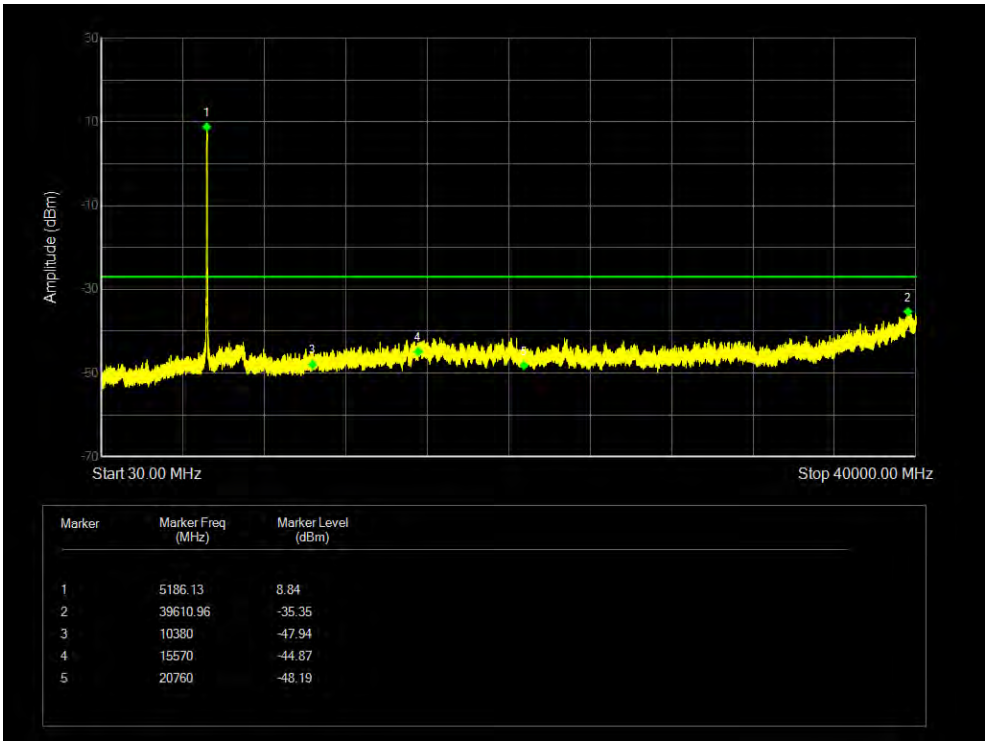


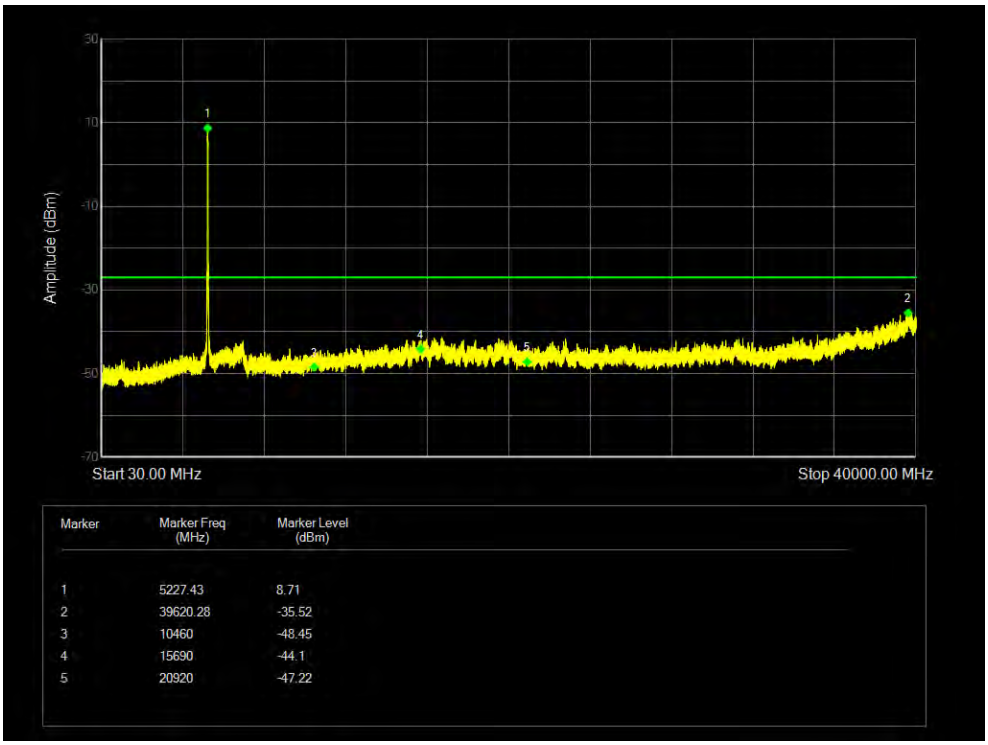
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission




Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant1 Emission

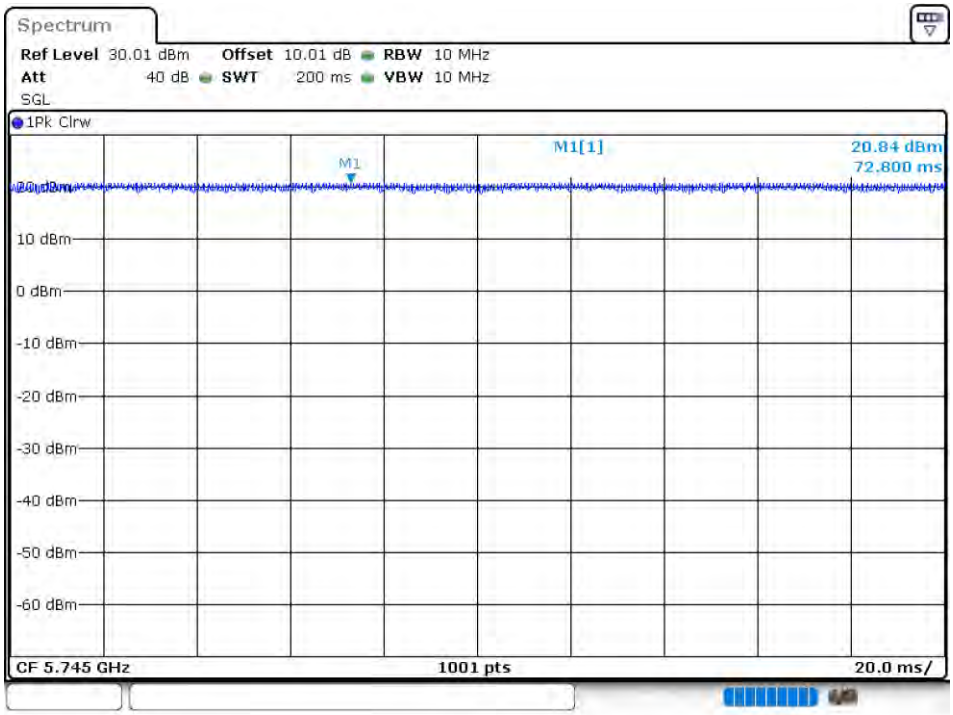


# 5.8G

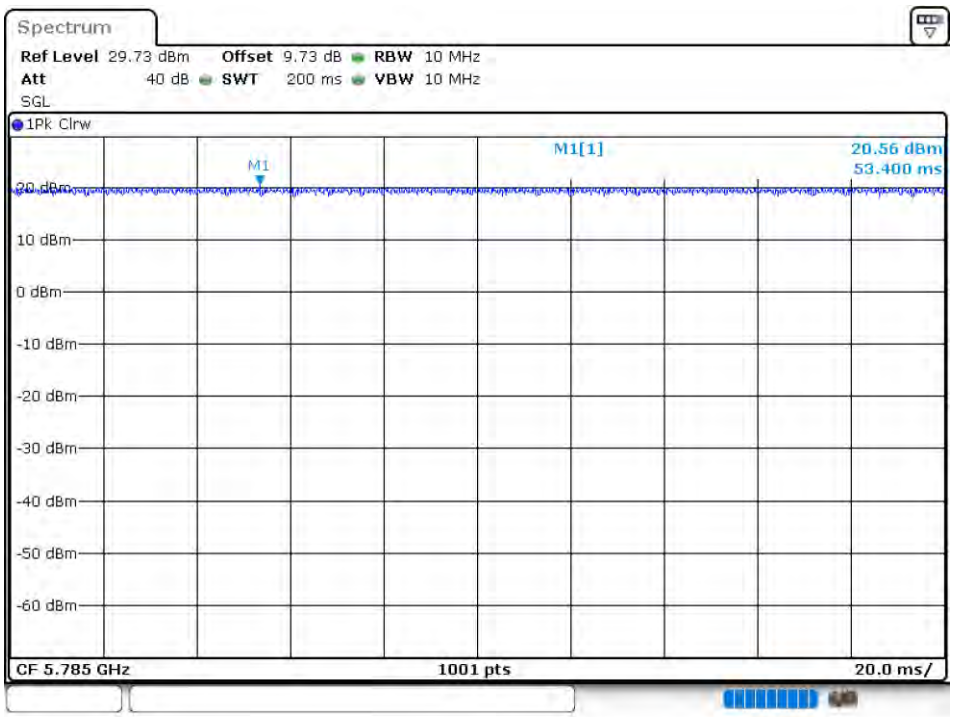
## Duty Cycle

| Condition | Mode | Frequency (MHz) | Duty Cycle (%) | Correction Factor (dB) |
|---|---|---|---|---|
| NVNT | 802.11a | 5745 | 100 | 0 |
| NVNT | 802.11a | 5785 | 100 | 0 |
| NVNT | 802.11a | 5825 | 100 | 0 |
| NVNT | 802.11ac20 | 5745 | 100 | 0 |
| NVNT | 802.11ac20 | 5785 | 100 | 0 |
| NVNT | 802.11ac20 | 5825 | 100 | 0 |
| NVNT | 802.11ac40 | 5755 | 100 | 0 |
| NVNT | 802.11ac40 | 5795 | 100 | 0 |
| NVNT | 802.11ac80 | 5775 | 100 | 0 |
| NVNT | 802.11n(HT20) | 5745 | 100 | 0 |
| NVNT | 802.11n(HT20) | 5785 | 100 | 0 |
| NVNT | 802.11n(HT20) | 5825 | 100 | 0 |
| NVNT | 802.11n(HT40) | 5755 | 100 | 0 |
| NVNT | 802.11n(HT40) | 5795 | 100 | 0 |

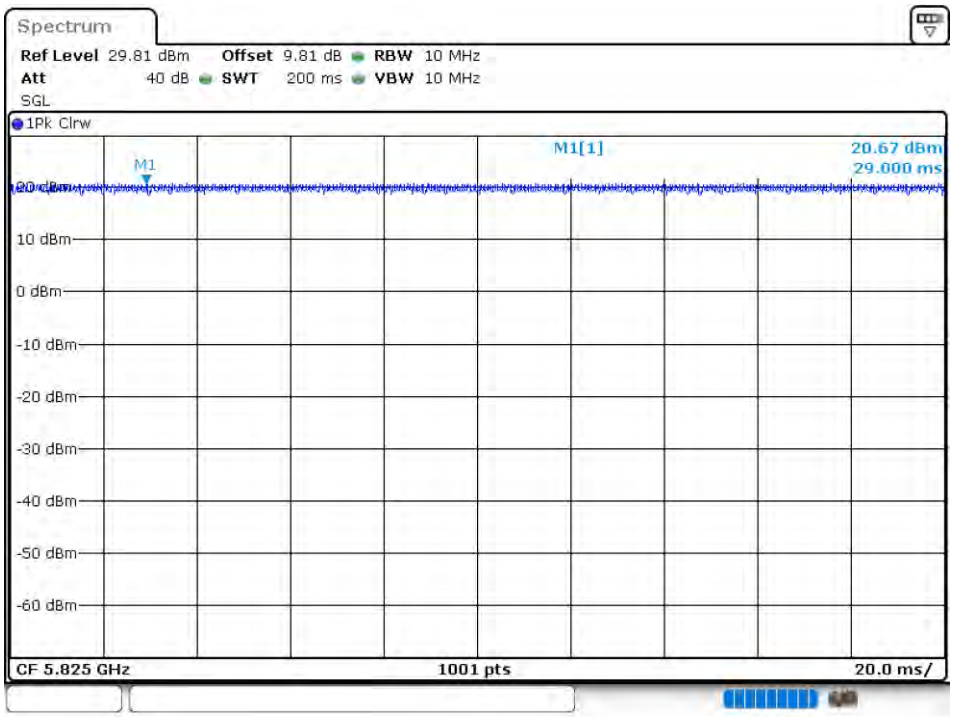
Duty Cycle NVNT 802.11a 5745MHz



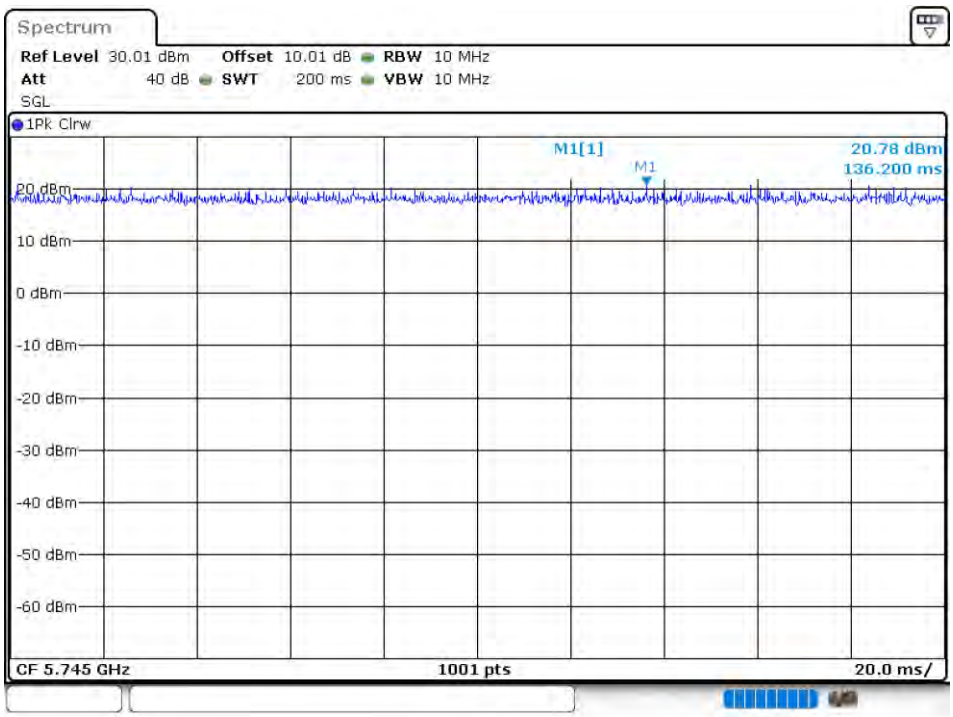
Duty Cycle NVNT 802.11a 5785MHz



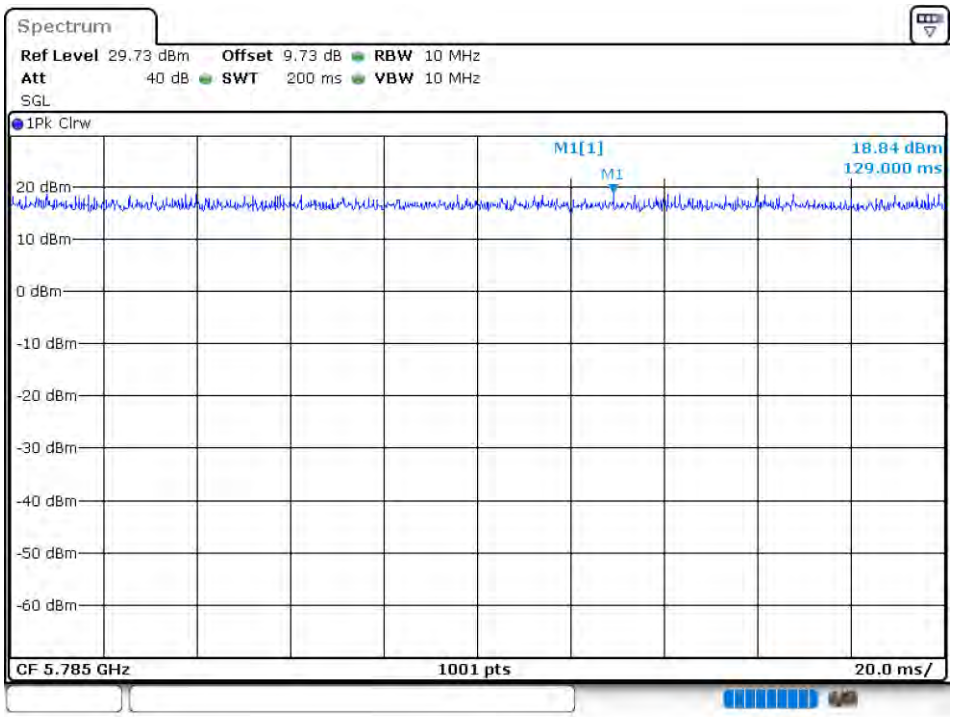

Duty Cycle NVNT 802.11a 5825MHz



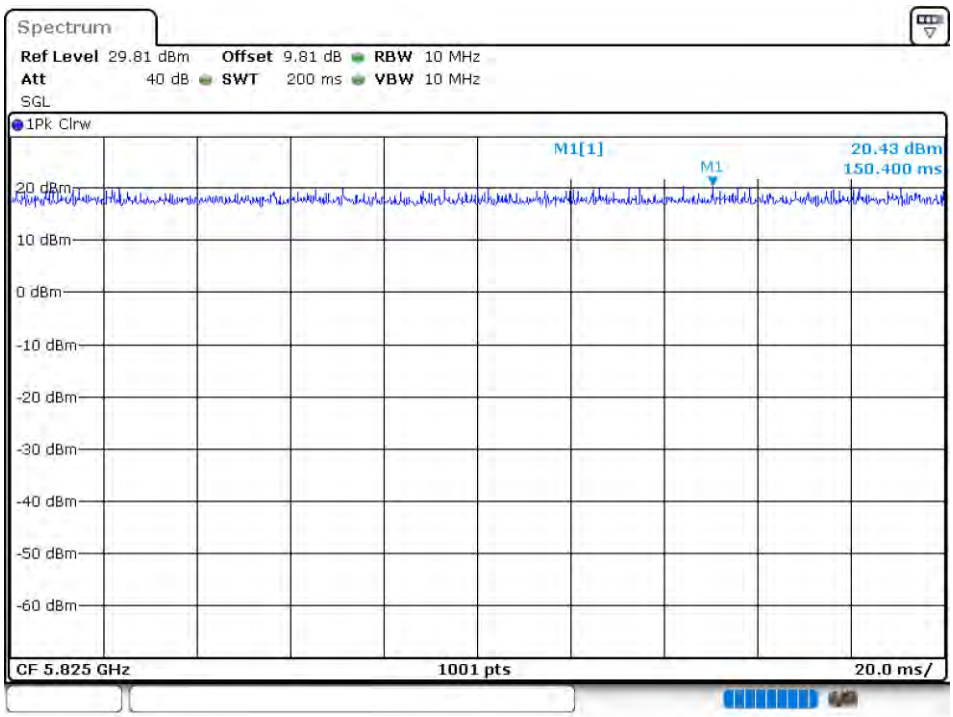
Duty Cycle NVNT 802.11ac20 5745MHz



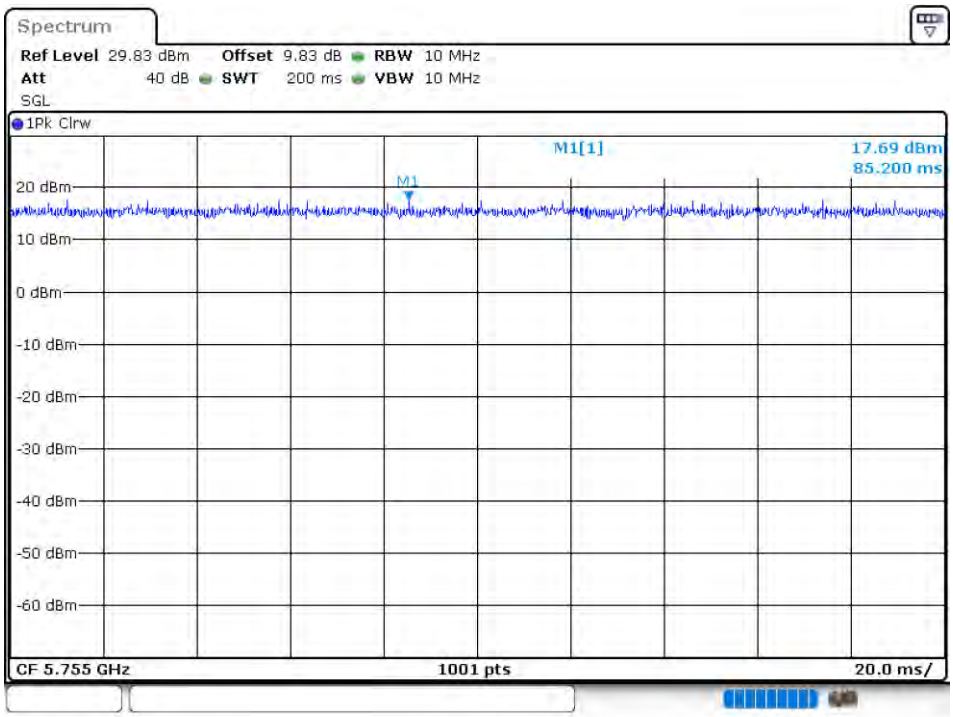

Duty Cycle NVNT 802.11ac20 5785MHz



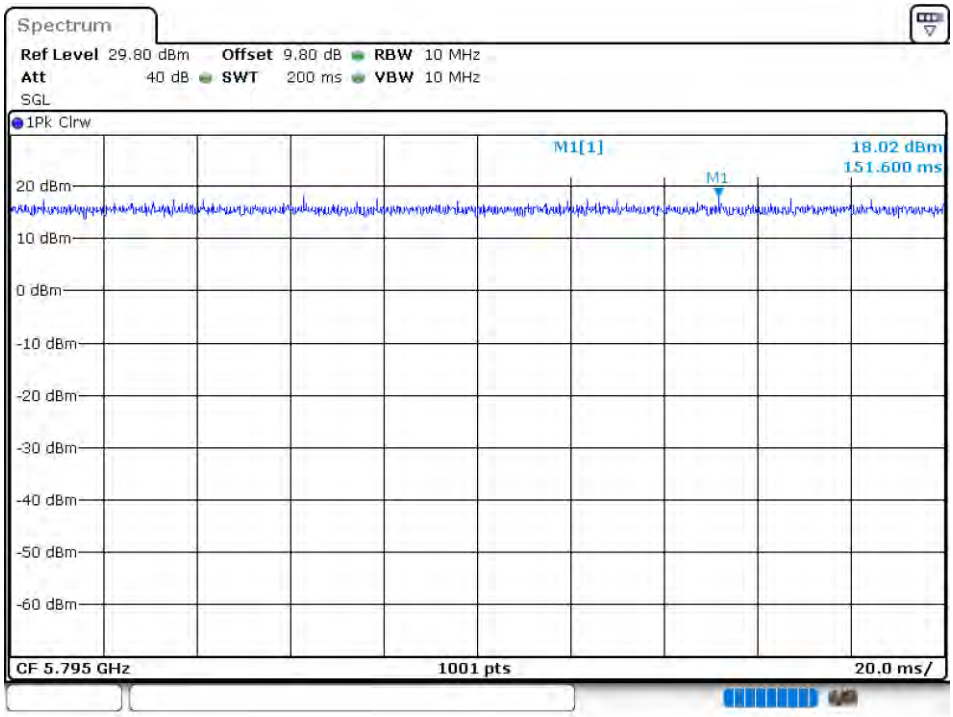
Duty Cycle NVNT 802.11ac20 5825MHz



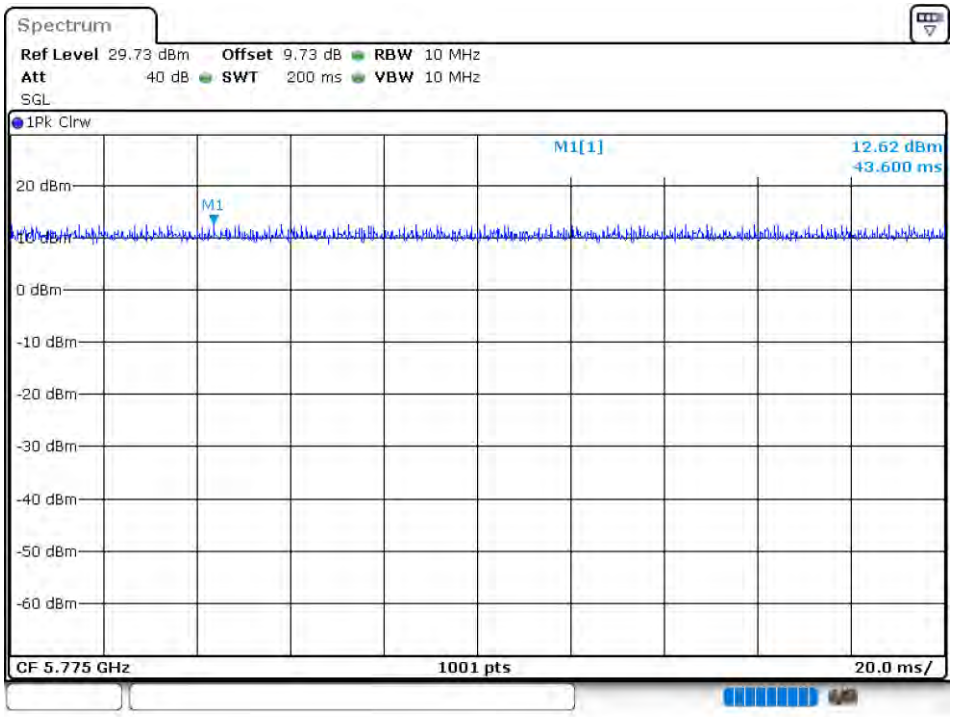

Duty Cycle NVNT 802.11ac40 5755MHz



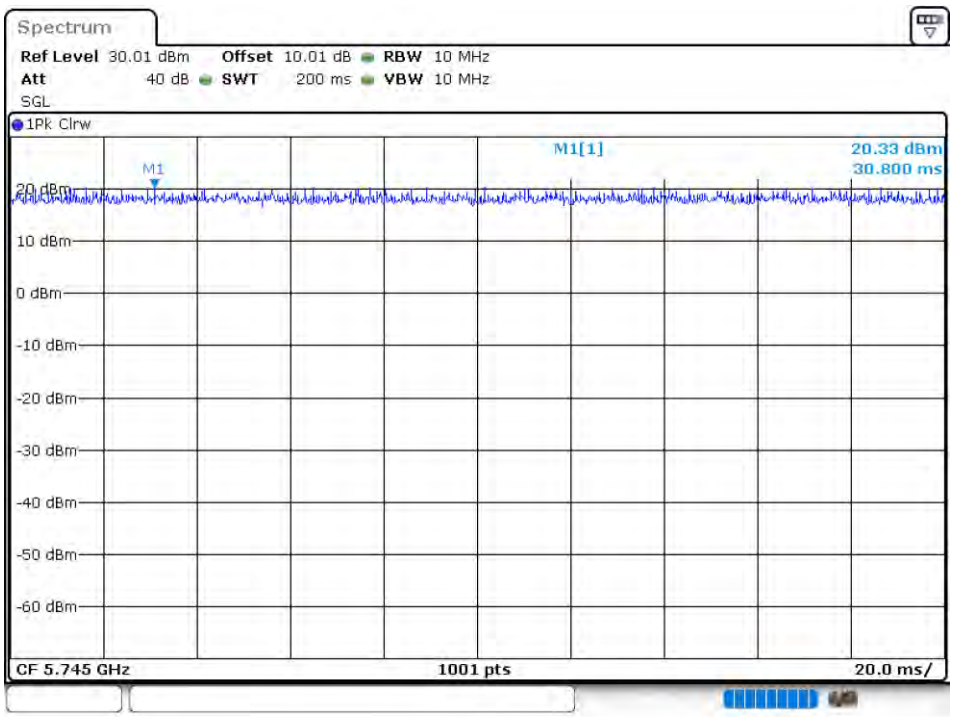
Duty Cycle NVNT 802.11ac40 5795MHz



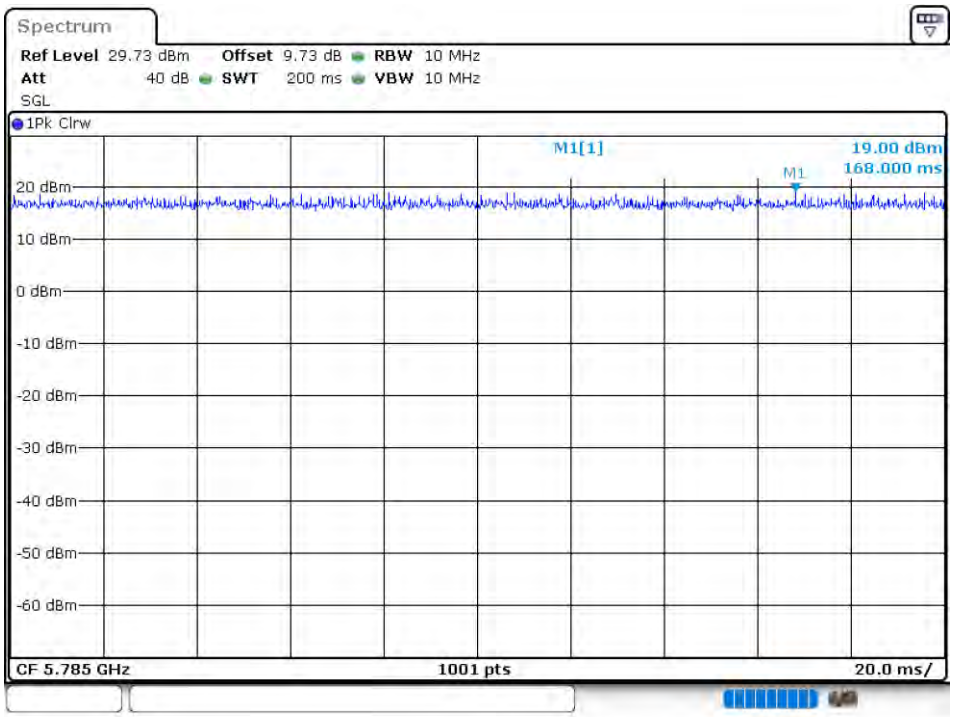

Duty Cycle NVNT 802.11ac80 5775MHz



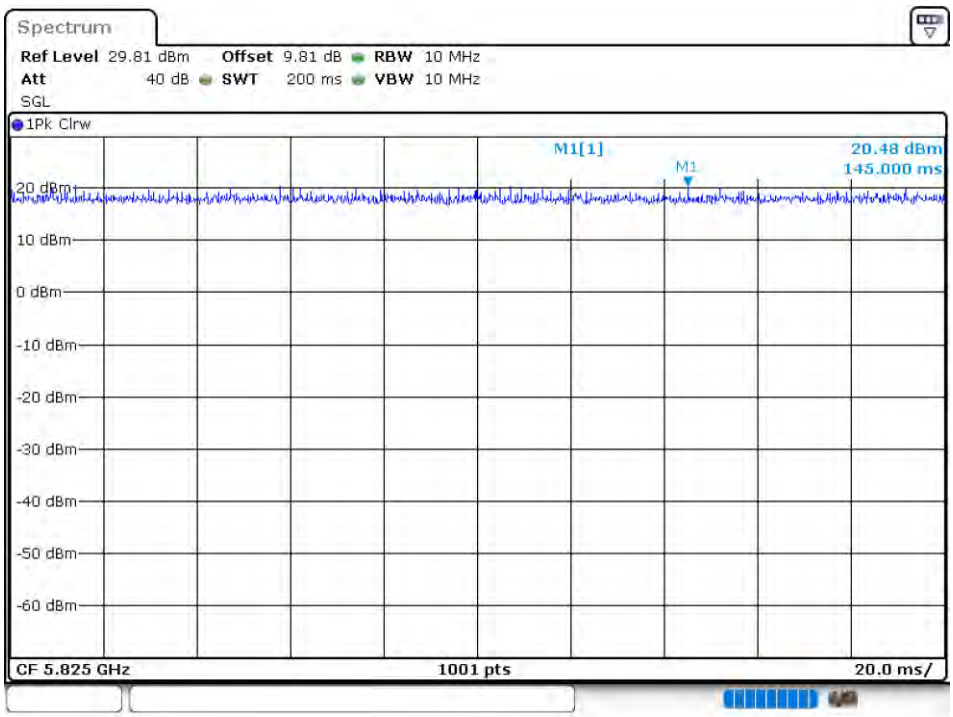
Duty Cycle NVNT 802.11n(HT20) 5745MHz



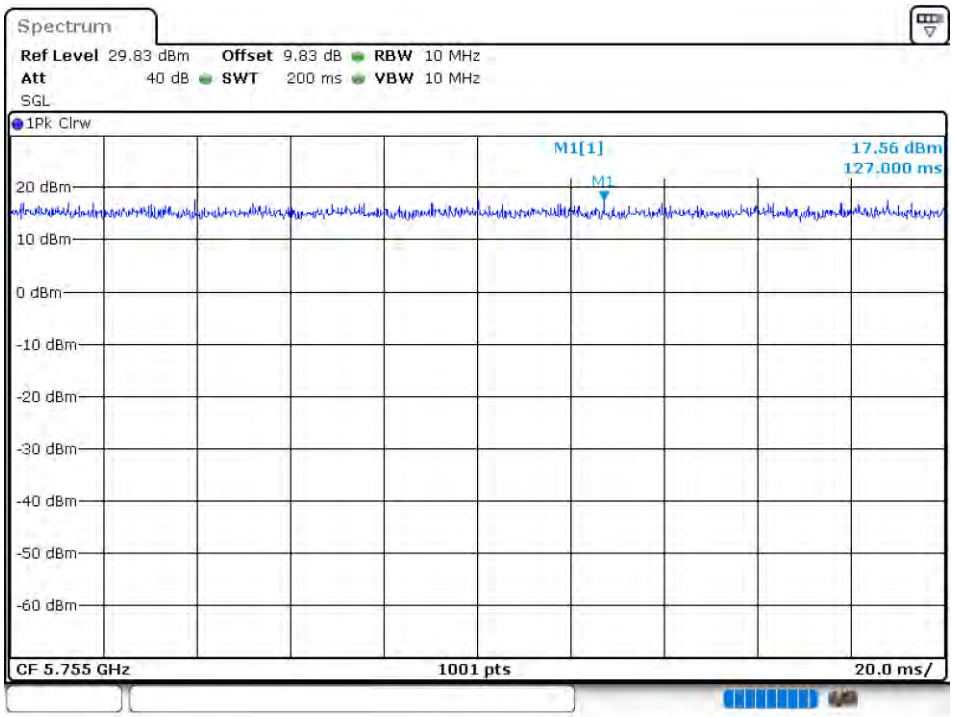

Duty Cycle NVNT 802.11n(HT20) 5785MHz



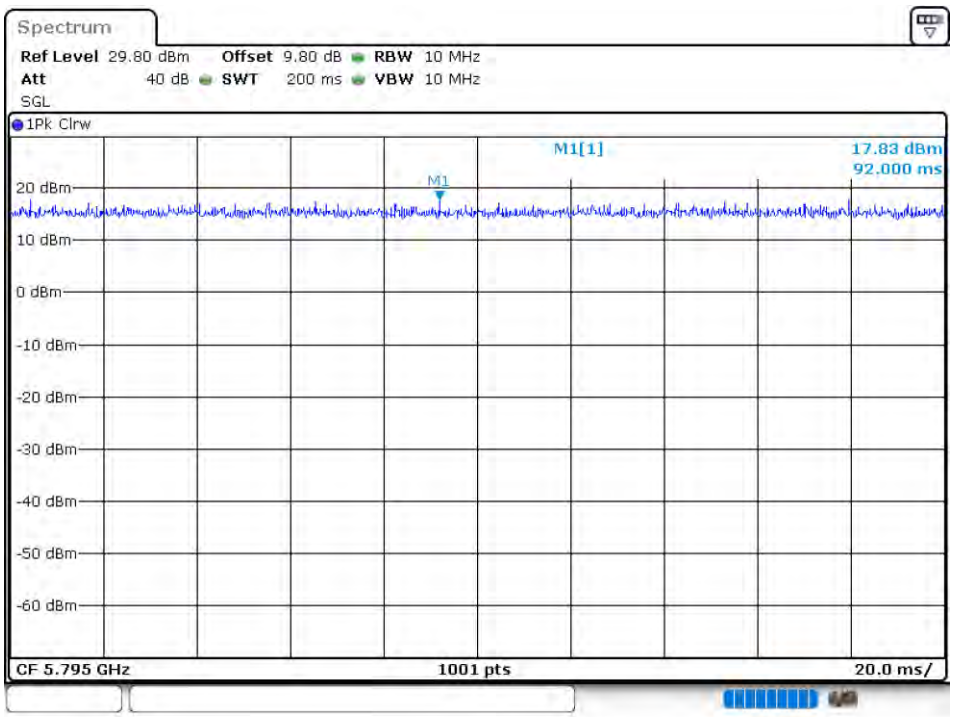
Duty Cycle NVNT 802.11n(HT20) 5825MHz




Duty Cycle NVNT 802.11n(HT40) 5755MHz



Duty Cycle NVNT 802.11n(HT40) 5795MHz



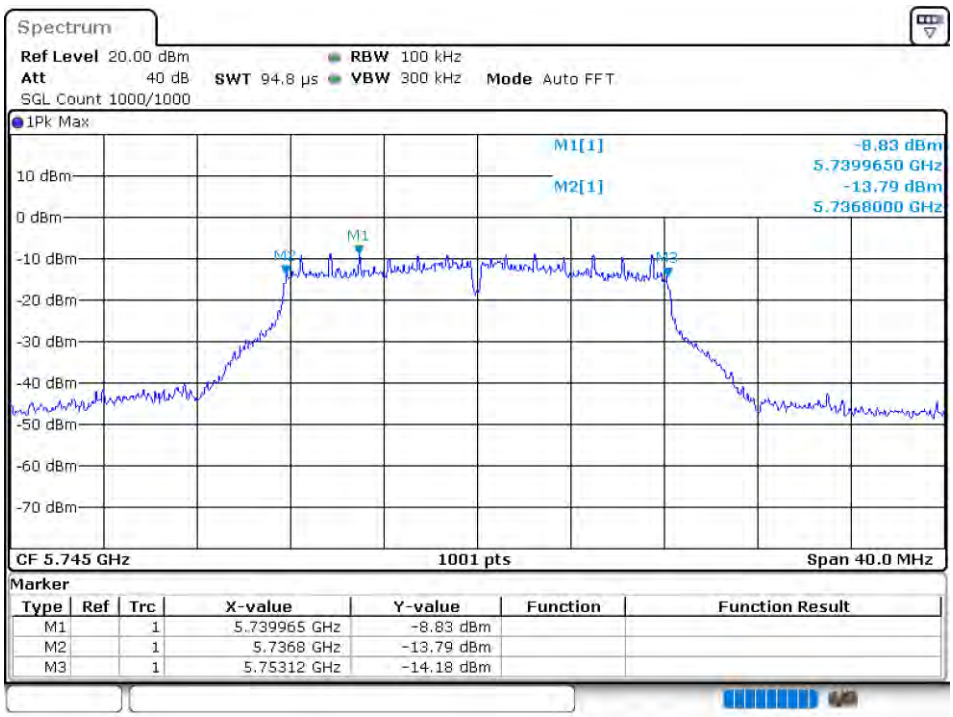

## Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 12.04 | 0 | 12.04 | 30 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 11.89 | 0 | 11.89 | 30 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 12.28 | 0 | 12.28 | 30 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 10.75 | 0 | 10.75 | 30 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 9.41 | 0 | 9.41 | 30 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 10.65 | 0 | 10.65 | 30 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | 10.49 | 0 | 10.49 | 30 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | 10.15 | 0 | 10.15 | 30 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | 8.87 | 0 | 8.87 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 10.7 | 0 | 10.7 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 9.38 | 0 | 9.38 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 10.59 | 0 | 10.59 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | 10.46 | 0 | 10.46 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 10.21 | 0 | 10.21 | 30 | Pass |

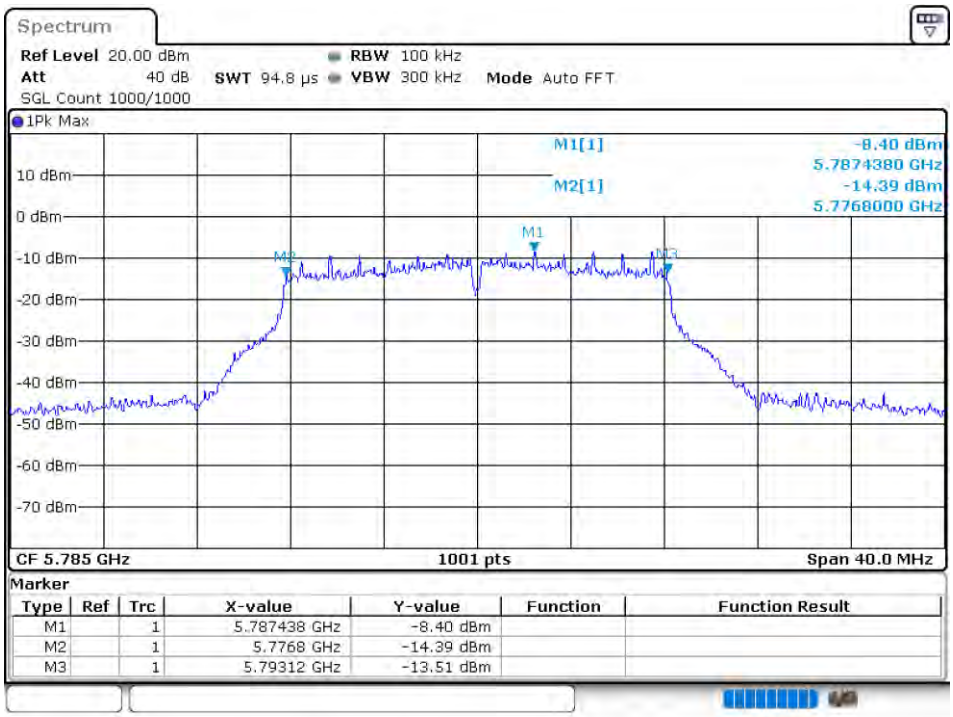
## -6dB Emission Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 16.32 | 0.5 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 16.32 | 0.5 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 16.28 | 0.5 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 17.2 | 0.5 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 16.92 | 0.5 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 16.68 | 0.5 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | 36.32 | 0.5 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | 35.52 | 0.5 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | 75.84 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 17.32 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 17.32 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 16.92 | 0.5 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | 36.32 | 0.5 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 35.52 | 0.5 | Pass |

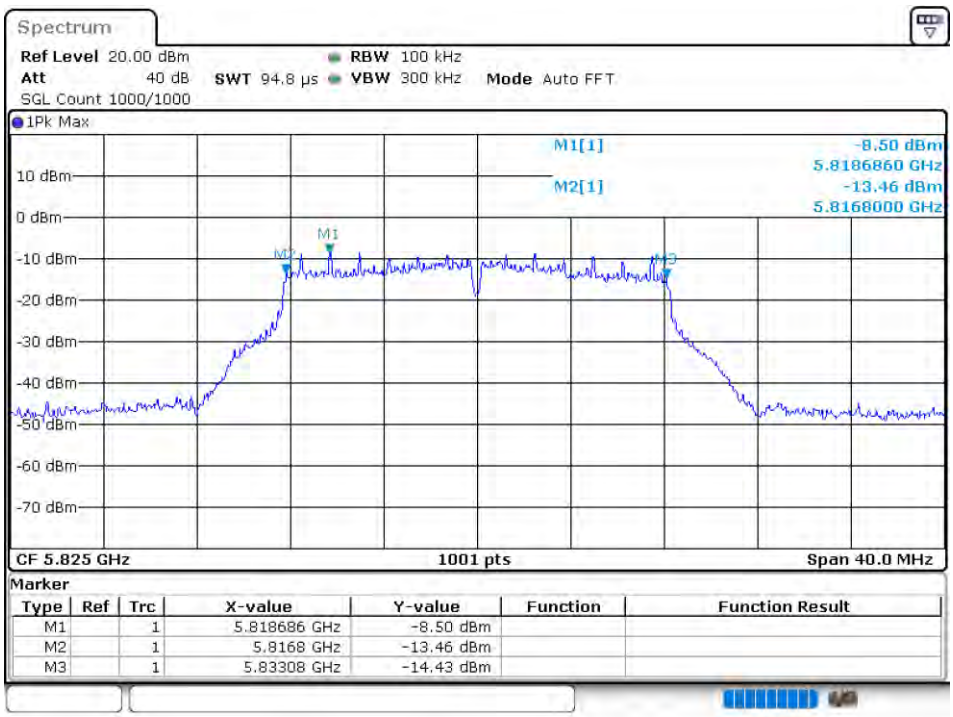
EBW NVNT 802.11a 5745MHz Ant1



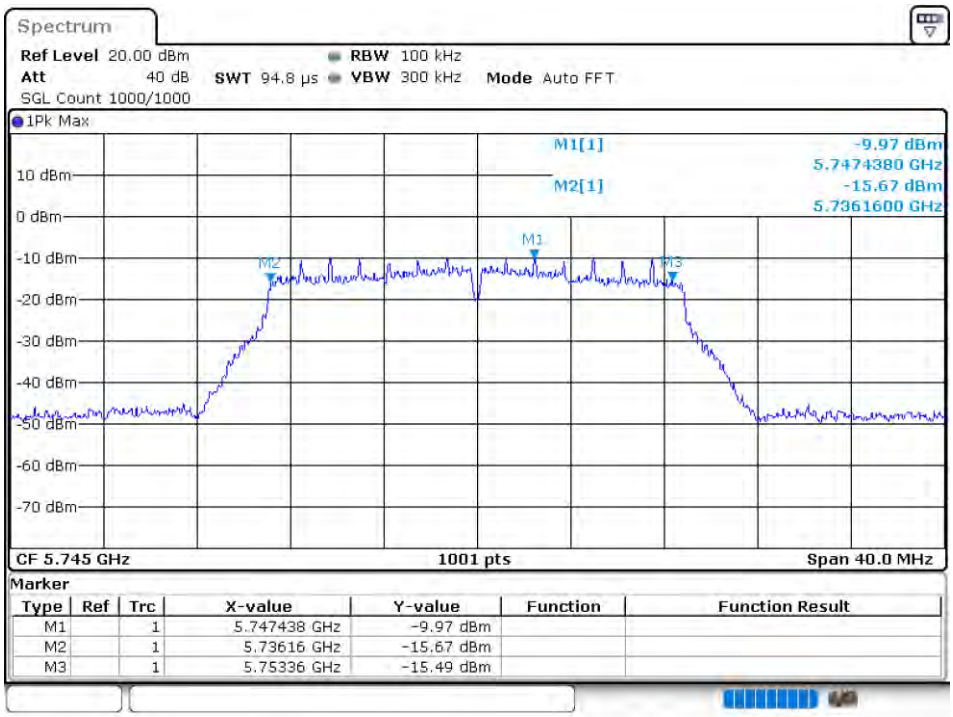

EBW NVNT 802.11a 5785MHz Ant1



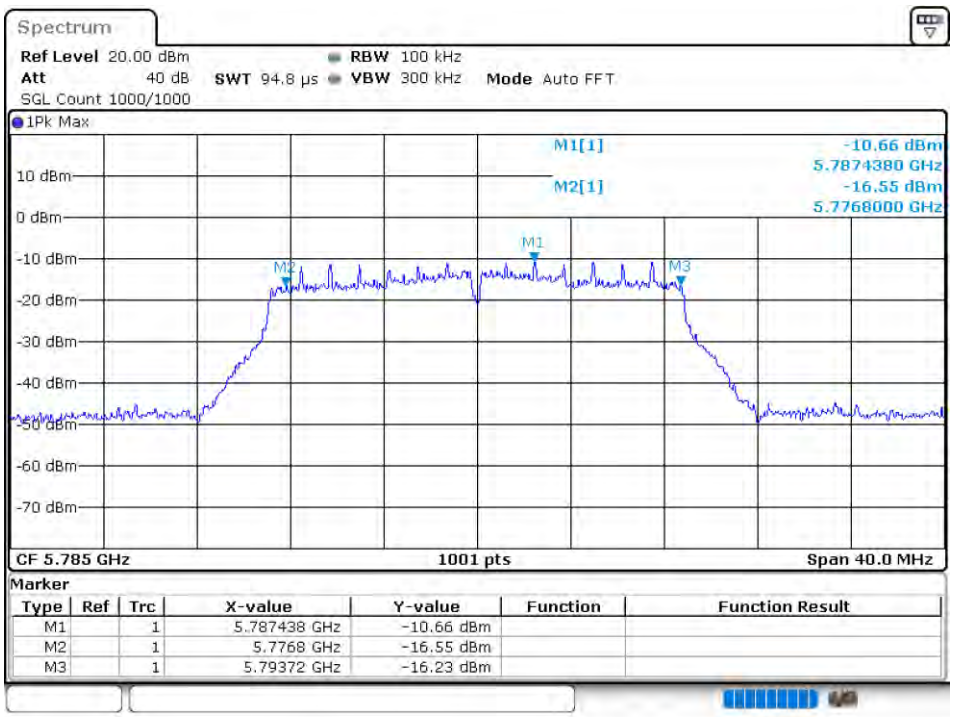
EBW NVNT 802.11a 5825MHz Ant1



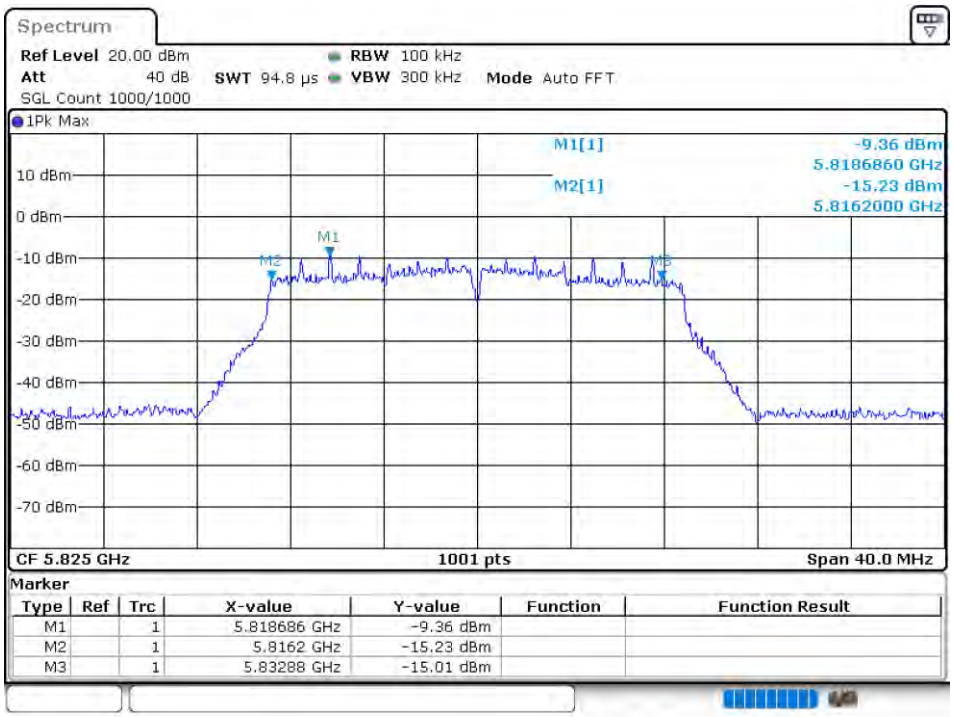

EBW NVNT 802.11ac20 5745MHz Ant1



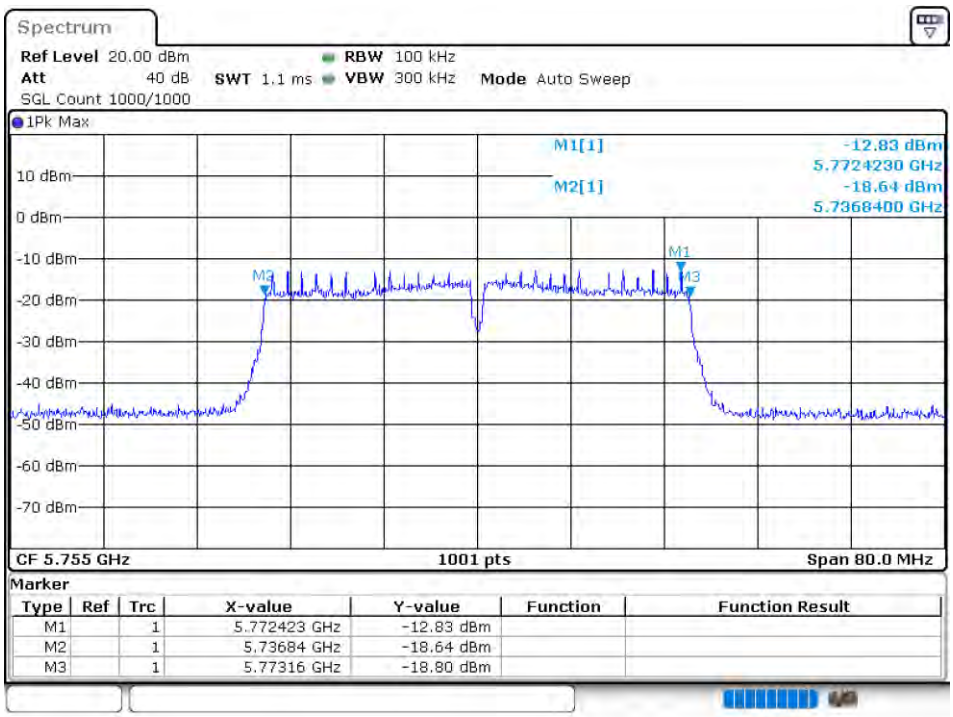
EBW NVNT 802.11ac20 5785MHz Ant1



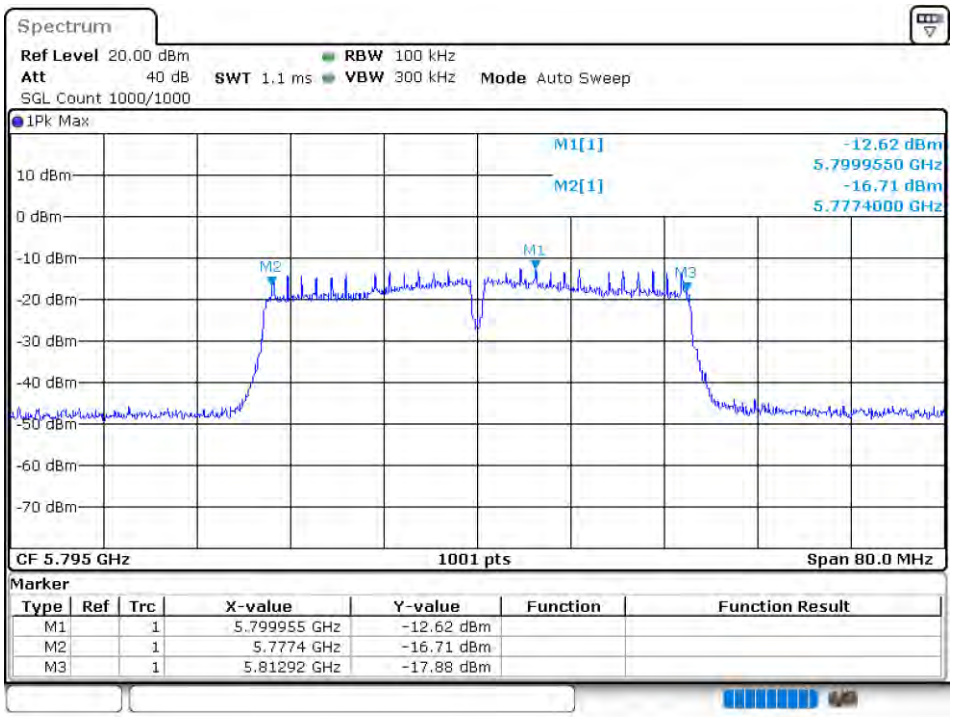

EBW NVNT 802.11ac20 5825MHz Ant1



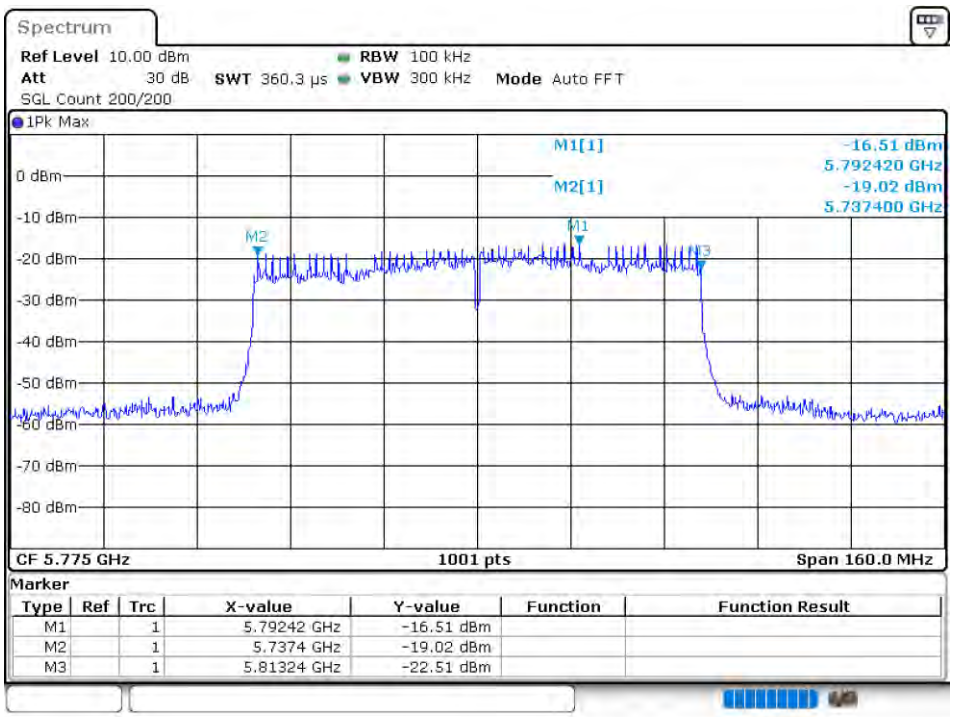
EBW NVNT 802.11ac40 5755MHz Ant1



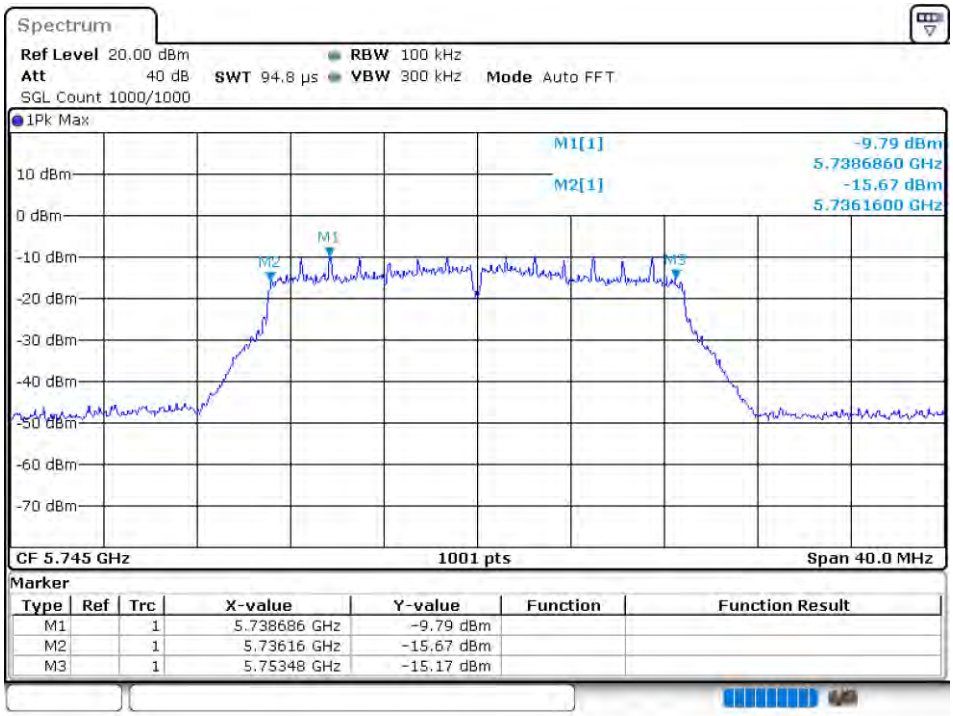

EBW NVNT 802.11ac40 5795MHz Ant1



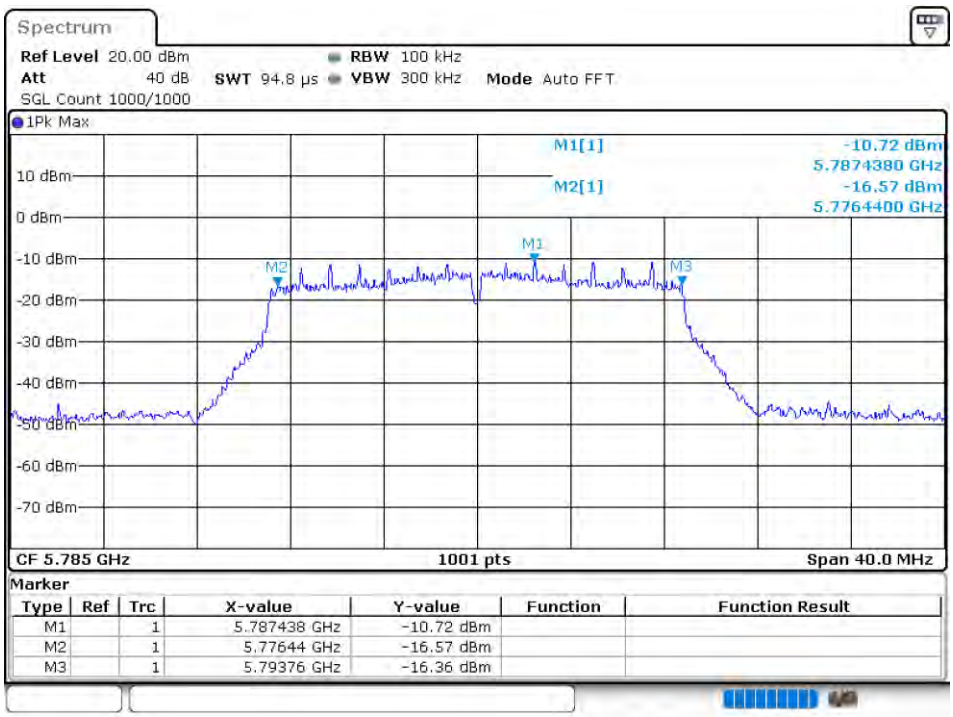
EBW NVNT 802.11ac80 5775MHz Ant1



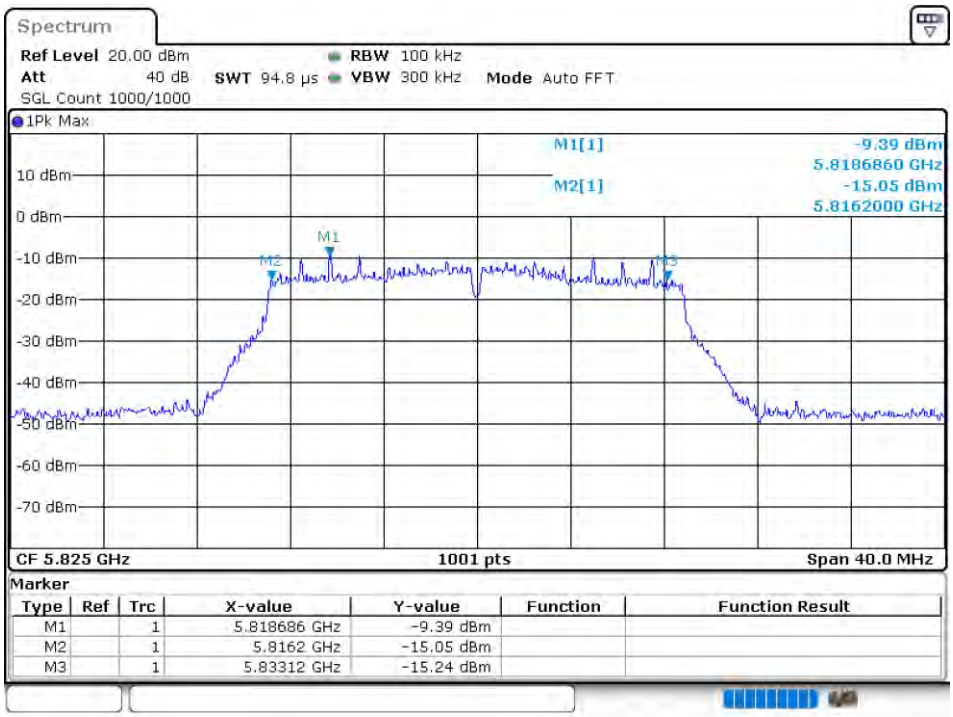

EBW NVNT 802.11n(HT20) 5745MHz Ant1



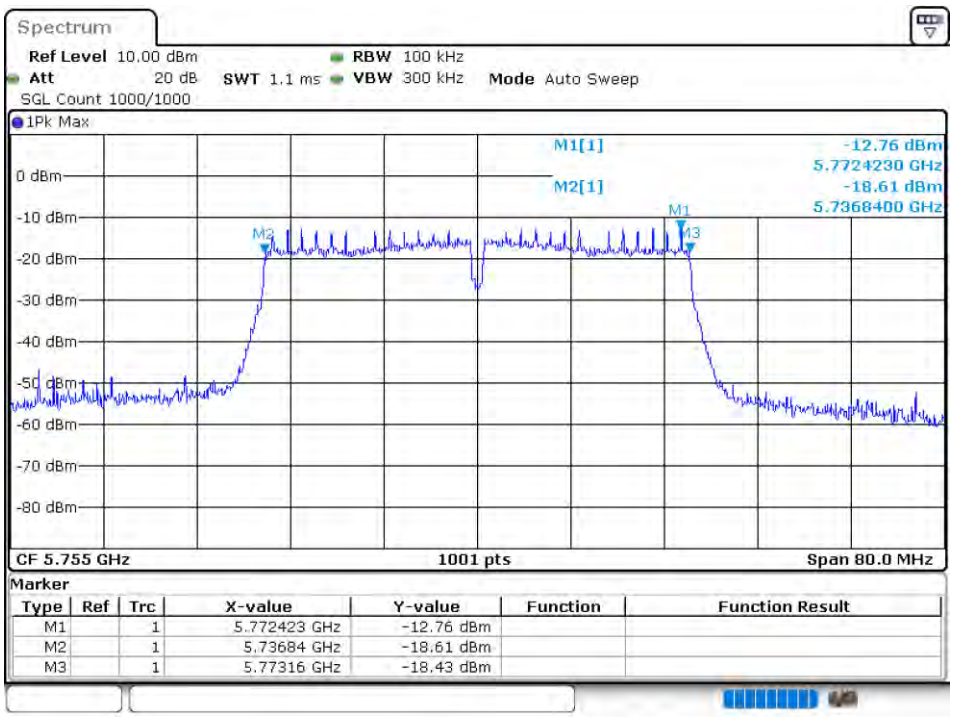
EBW NVNT 802.11n(HT20) 5785MHz Ant1



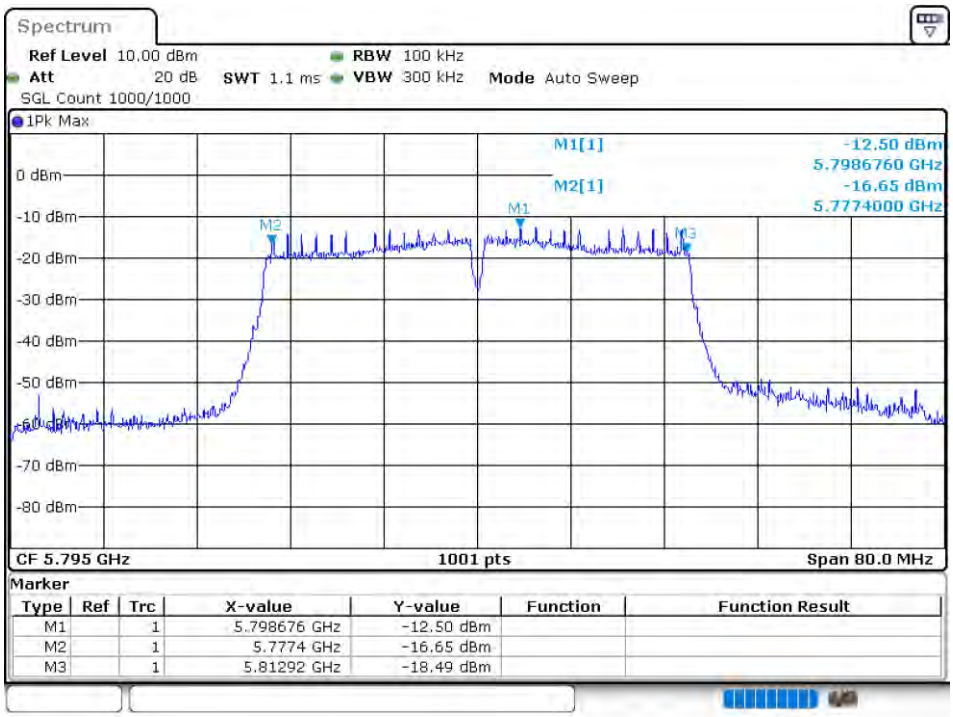

EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



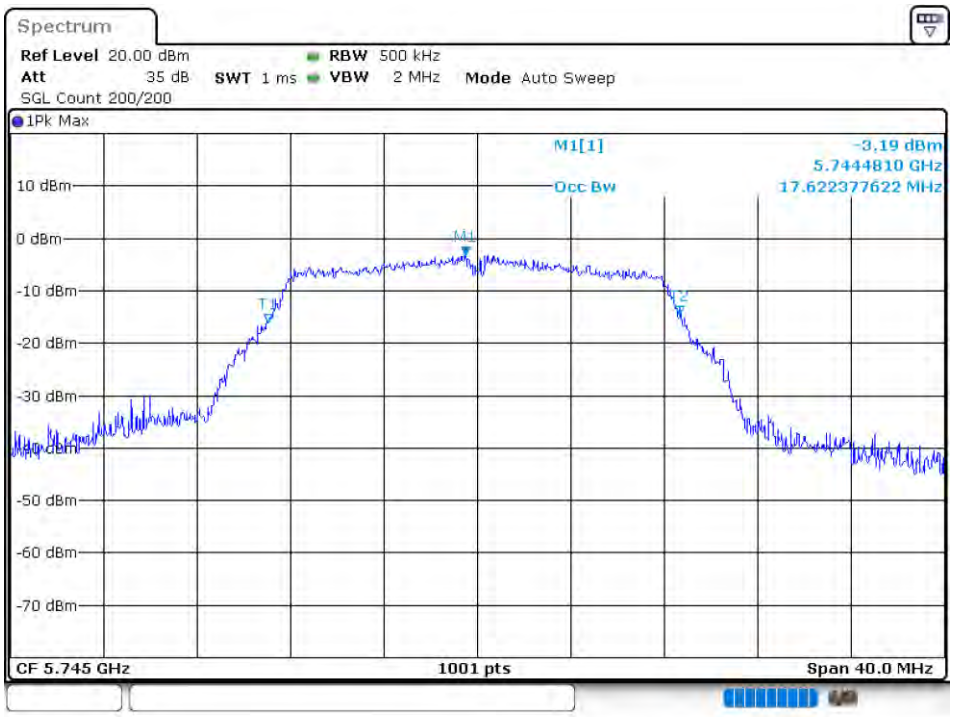

EBW NVNT 802.11n(HT40) 5795MHz Ant1



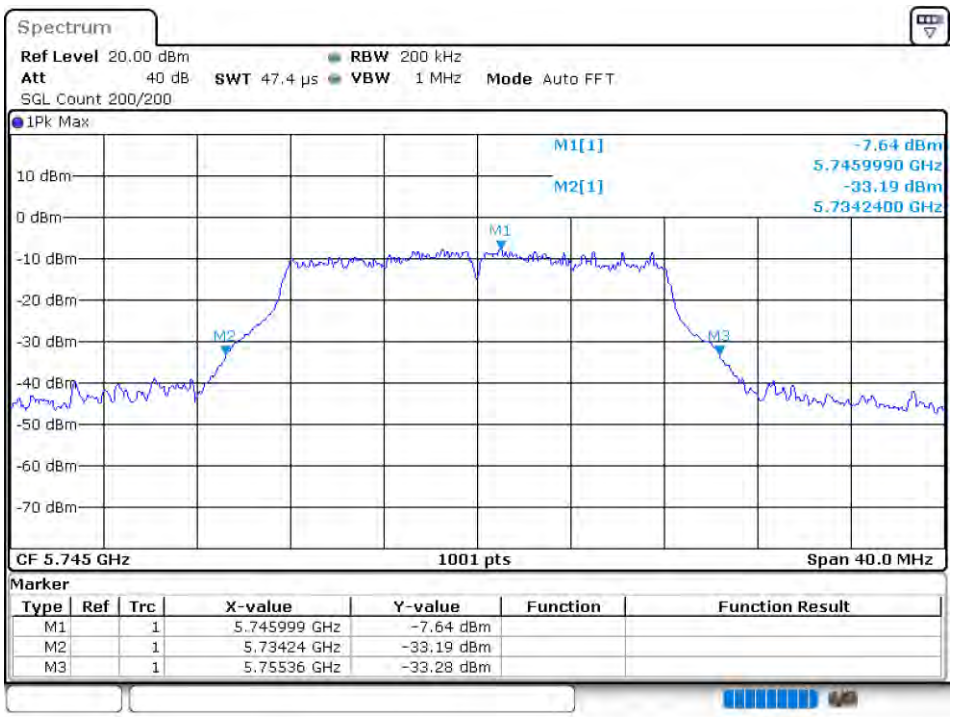
## Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) | -26 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 17.6224 | 21.12 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 17.5425 | 21.08 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 17.6623 | 20.84 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 17.9021 | 21.28 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 17.9021 | 21.2 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 17.8621 | 21.4 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | 36.4436 | 40.48 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | 36.2837 | 39.92 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | 75.9241 | 81.44 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 18.022 | 21.16 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 18.1818 | 21.44 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 17.9421 | 21 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | 36.4436 | 40.32 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 36.2837 | 40 | Pass |

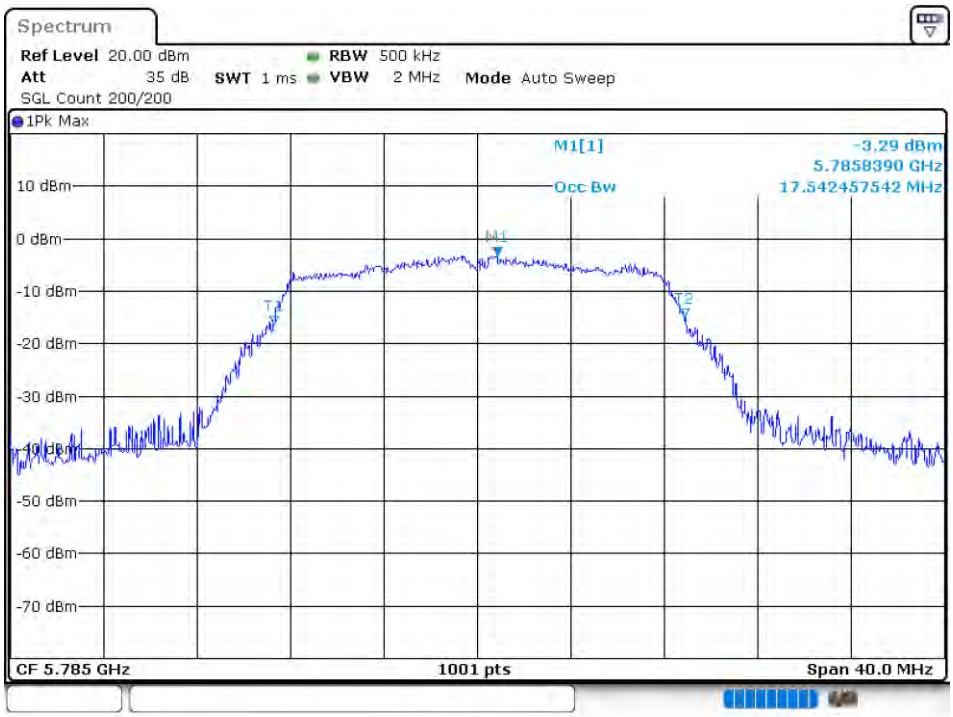
OBW NVNT 802.11a 5745MHz Ant1



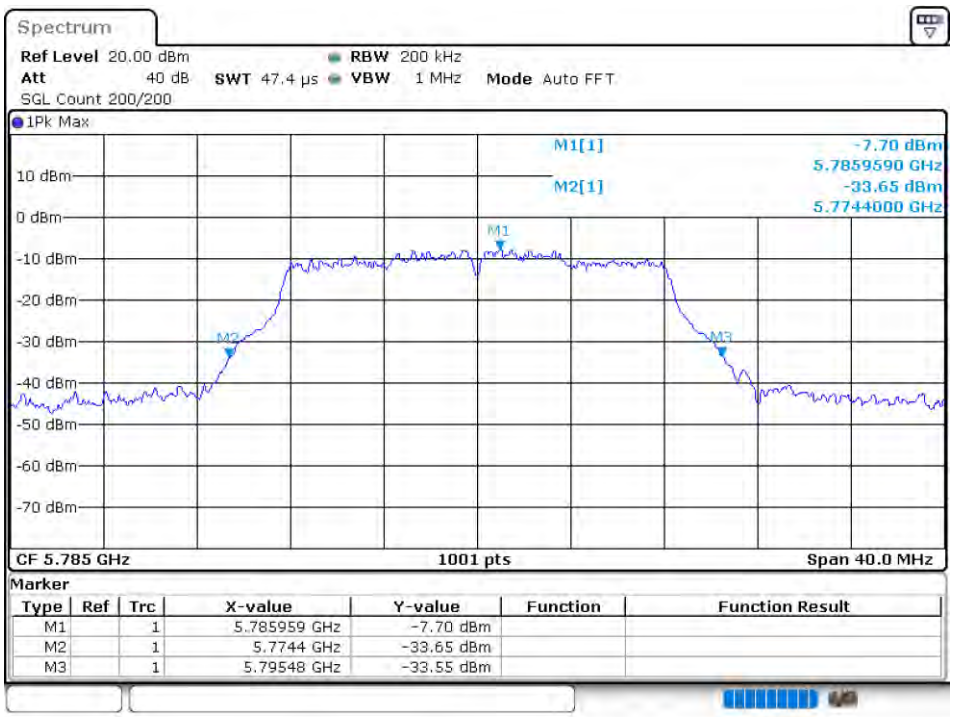
-26 dB BW NVNT 802.11a 5745MHz Ant1



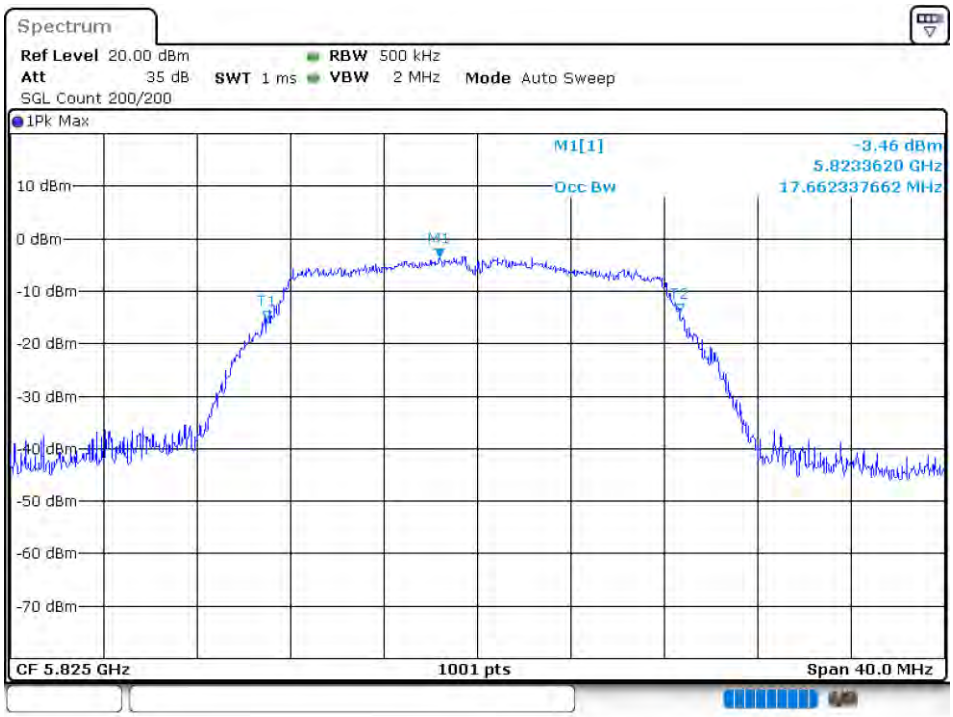

OBW NVNT 802.11a 5785MHz Ant1



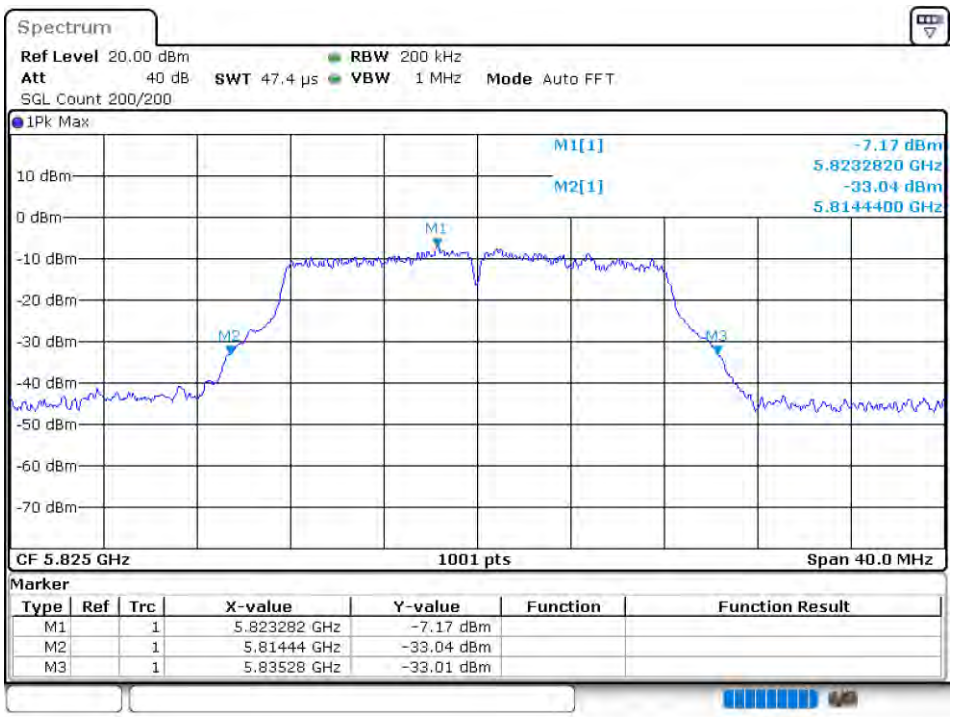
-26 dB BW NVNT 802.11a 5785MHz Ant1



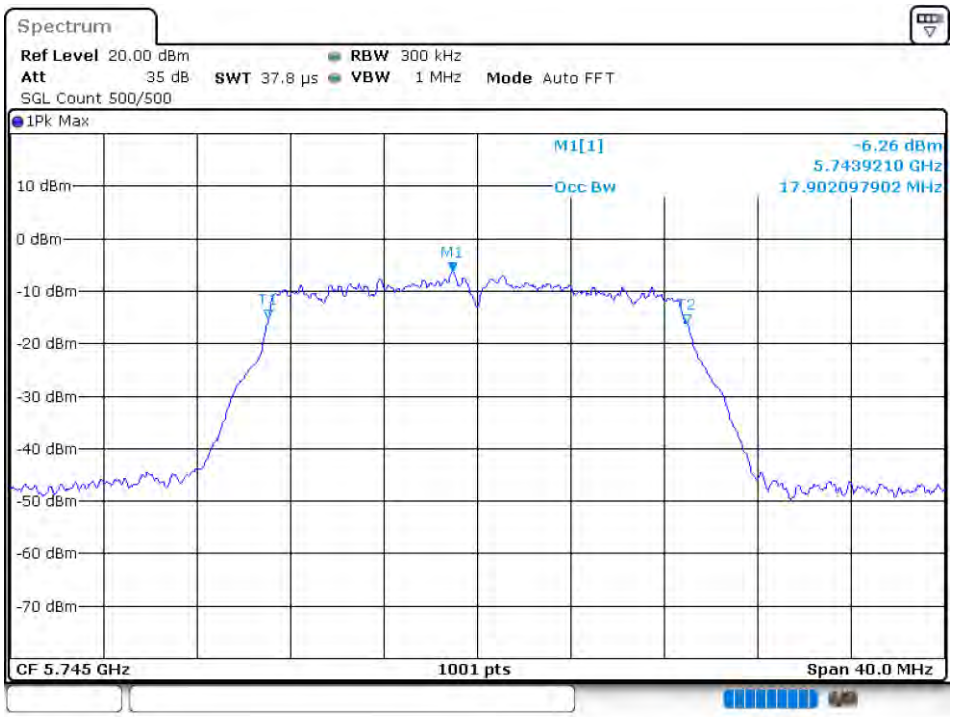

OBW NVNT 802.11a 5825MHz Ant1



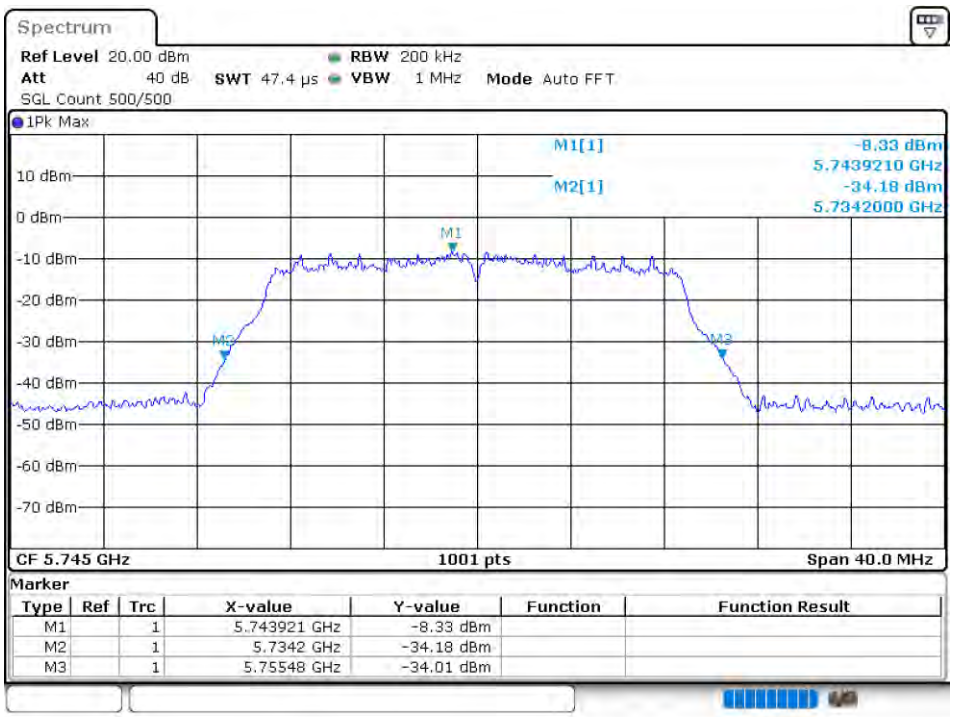
-26 dB BW NVNT 802.11a 5825MHz Ant1



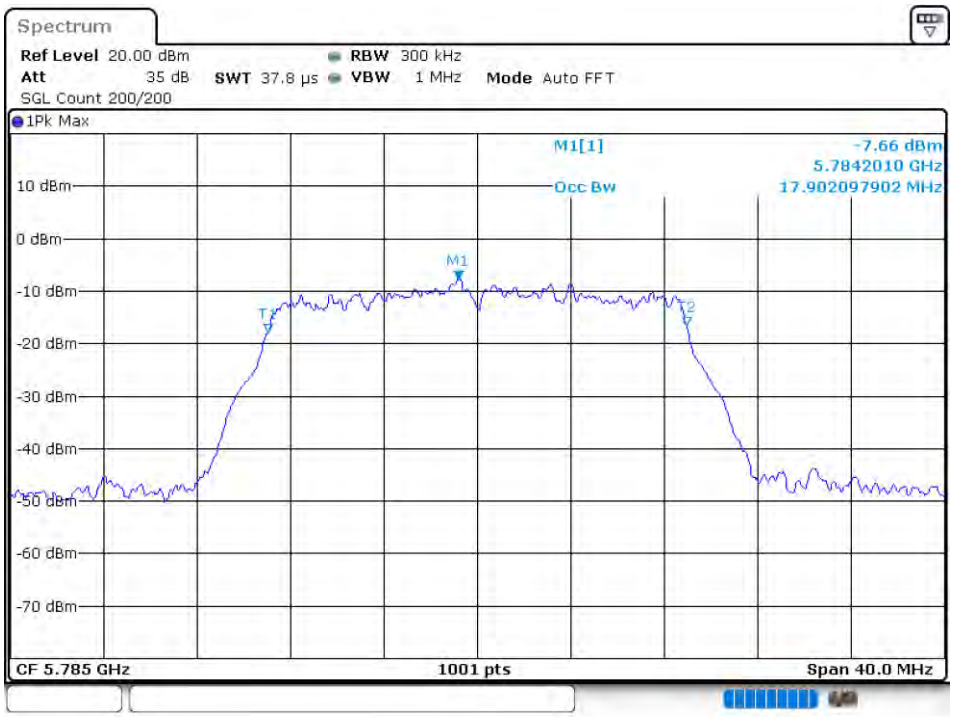

OBW NVNT 802.11ac20 5745MHz Ant1



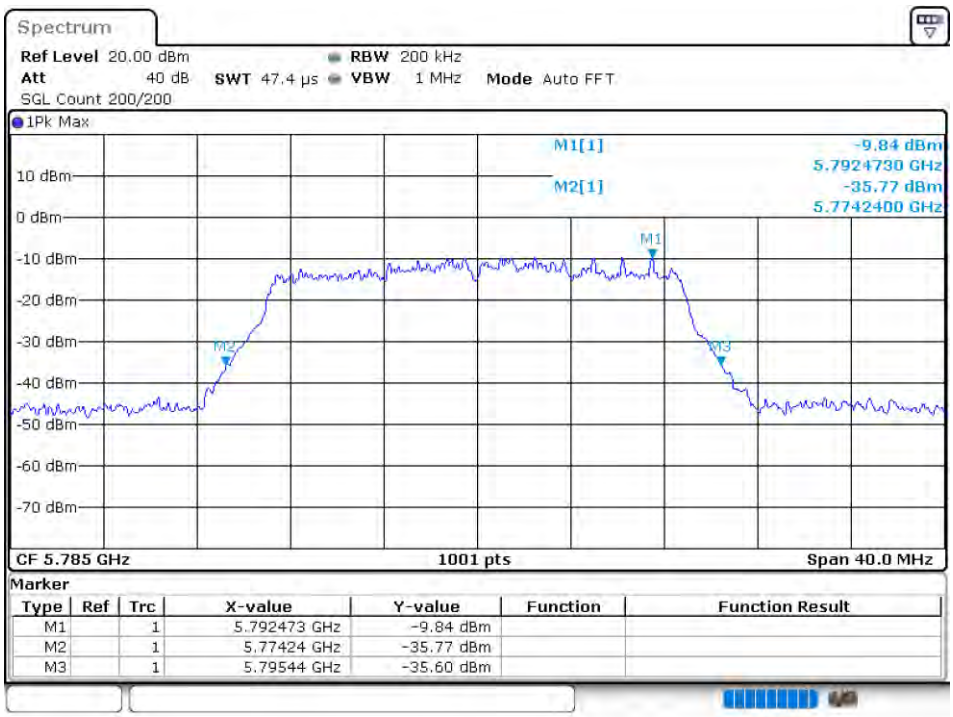
-26 dB BW NVNT 802.11ac20 5745MHz Ant1



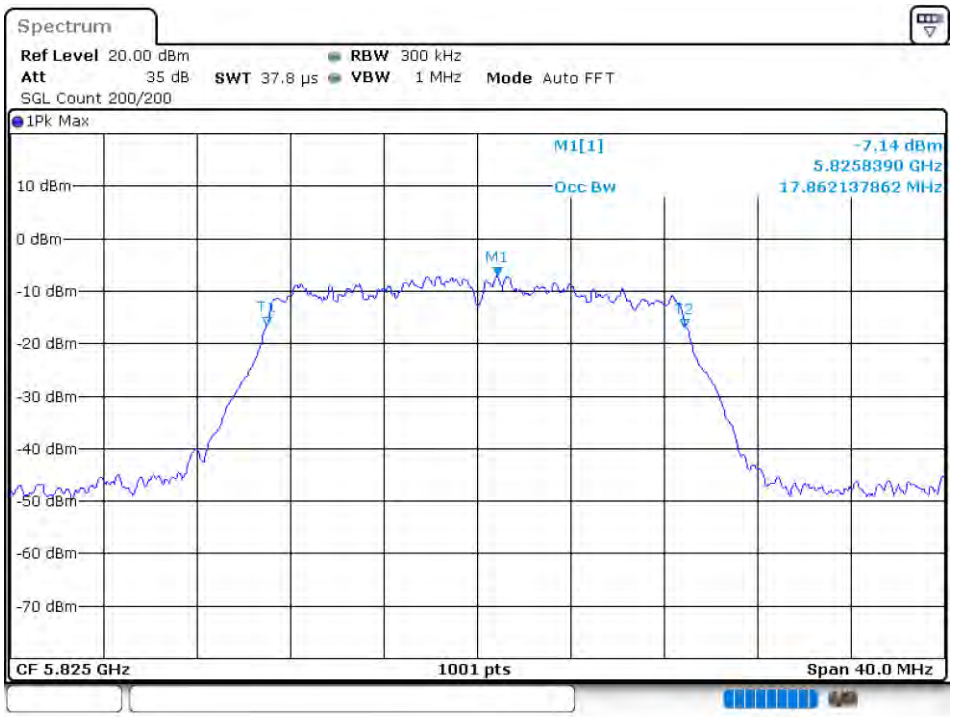

OBW NVNT 802.11ac20 5785MHz Ant1



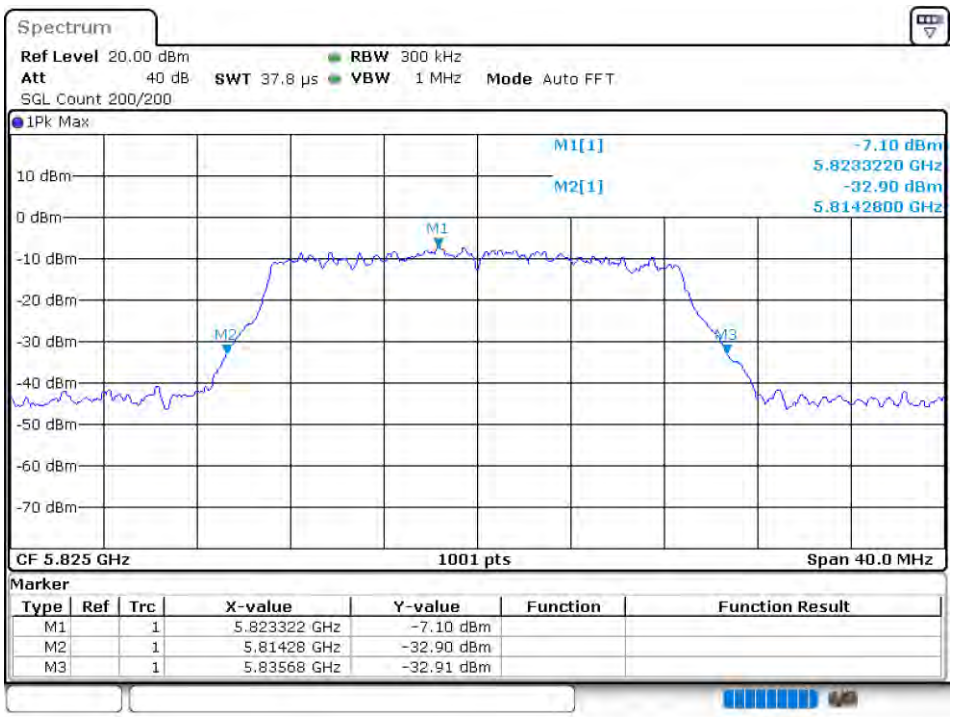
-26 dB BW NVNT 802.11ac20 5785MHz Ant1



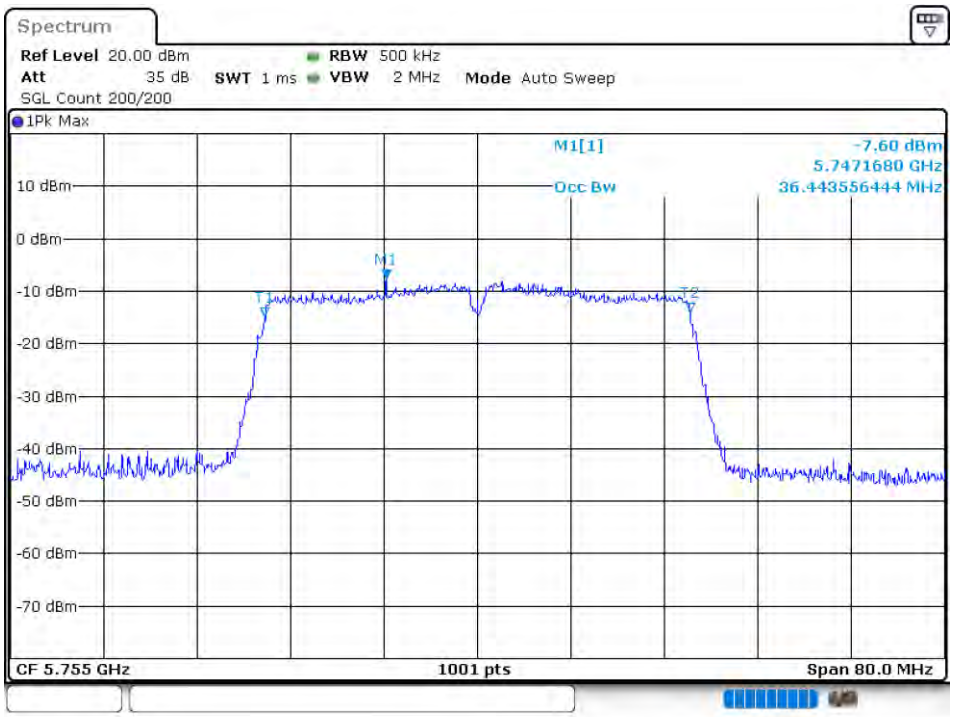

OBW NVNT 802.11ac20 5825MHz Ant1



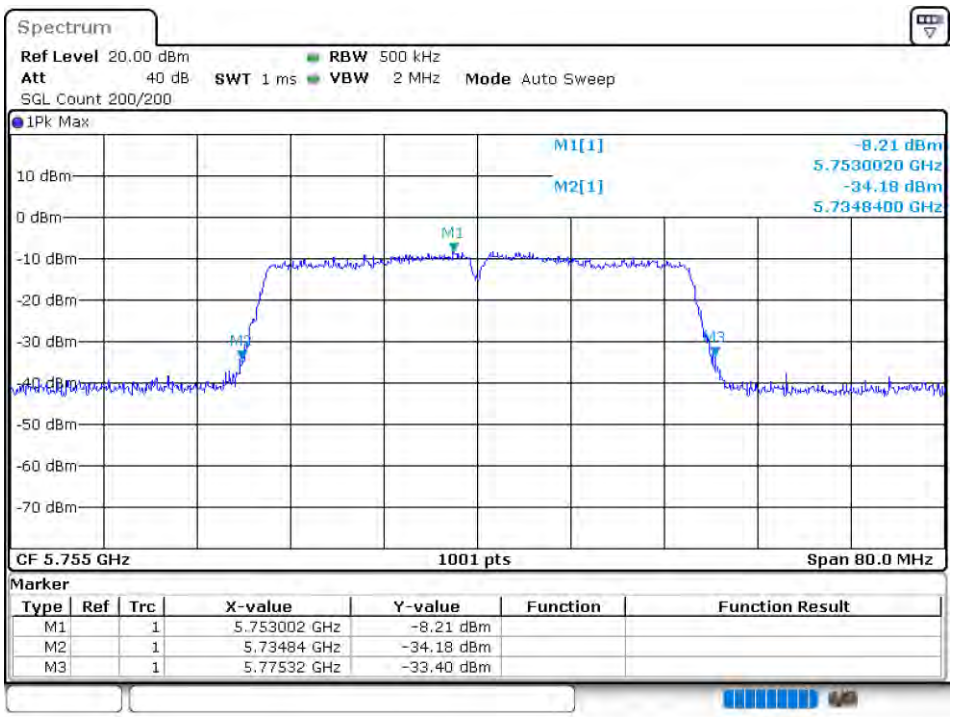
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



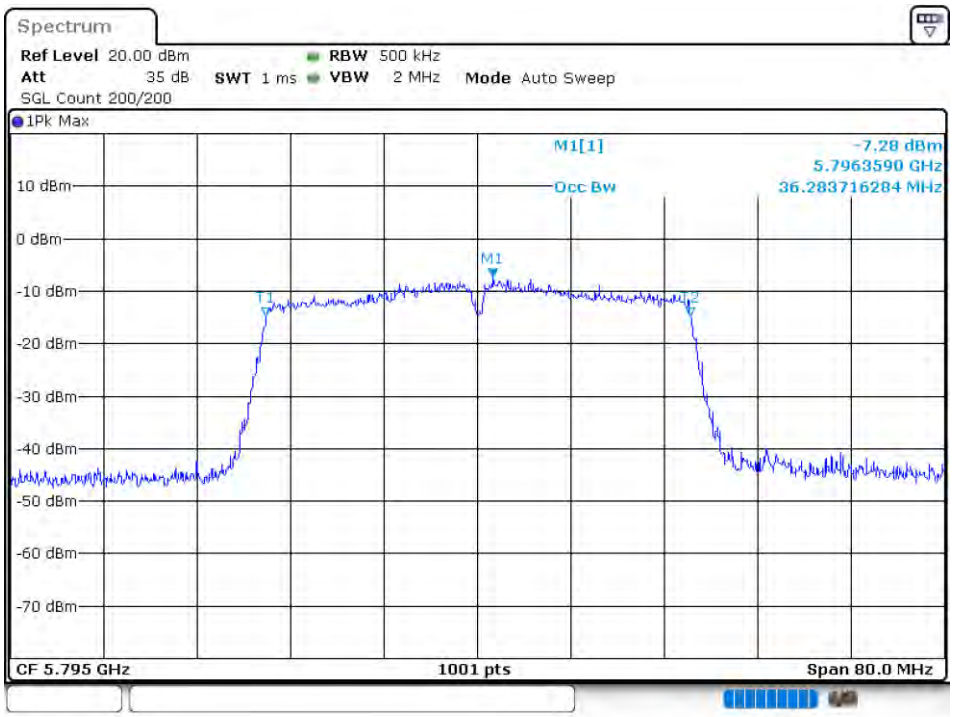

OBW NVNT 802.11ac40 5755MHz Ant1



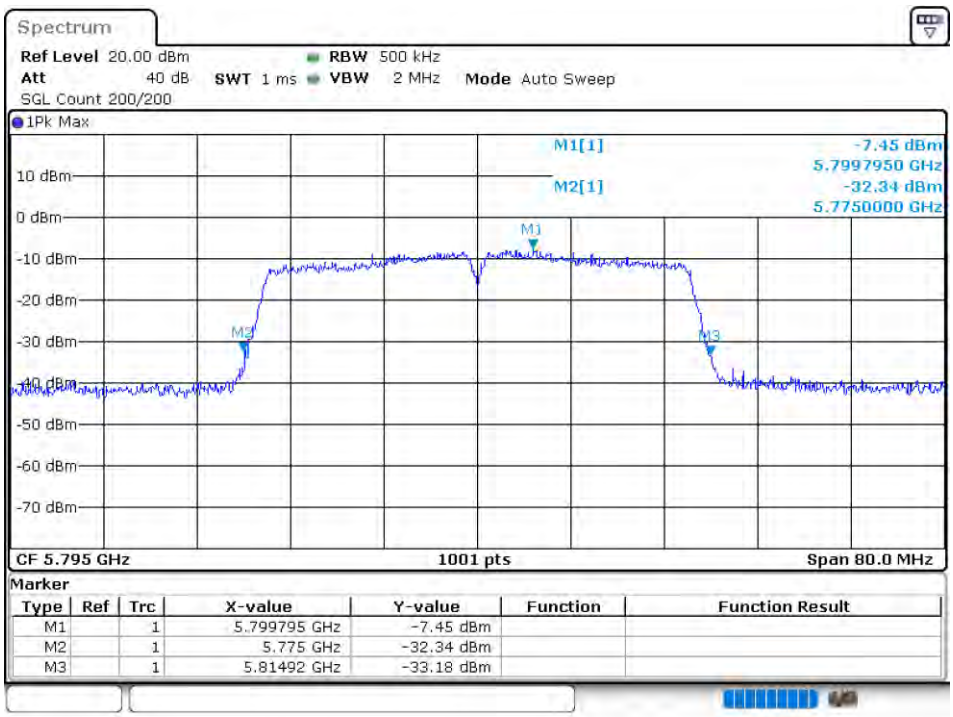
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



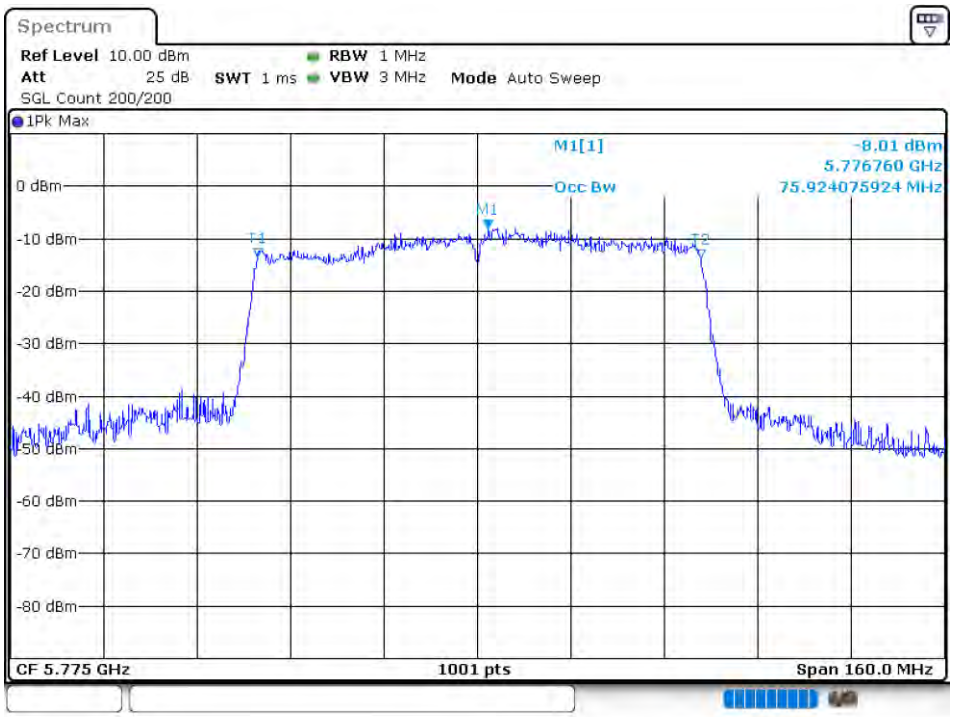

OBW NVNT 802.11ac40 5795MHz Ant1



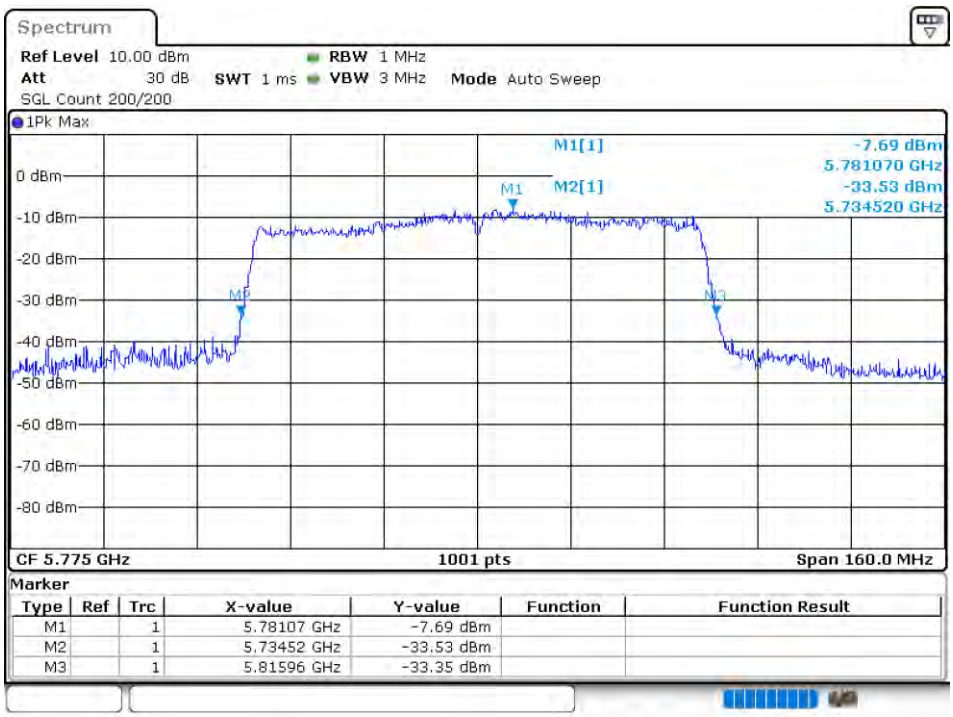
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



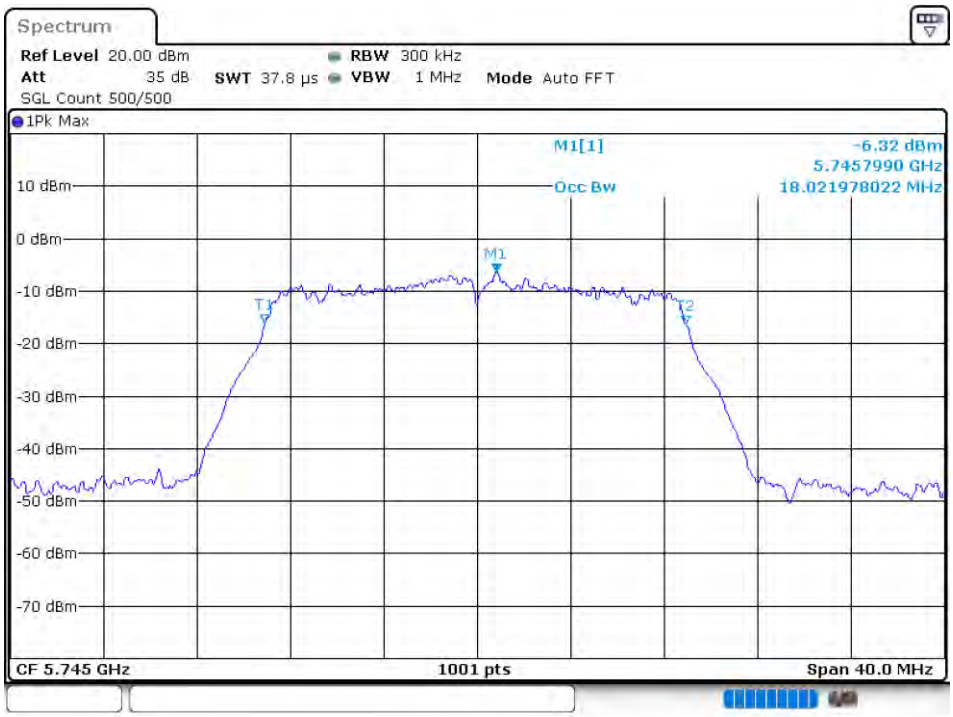

OBW NVNT 802.11ac80 5775MHz Ant1



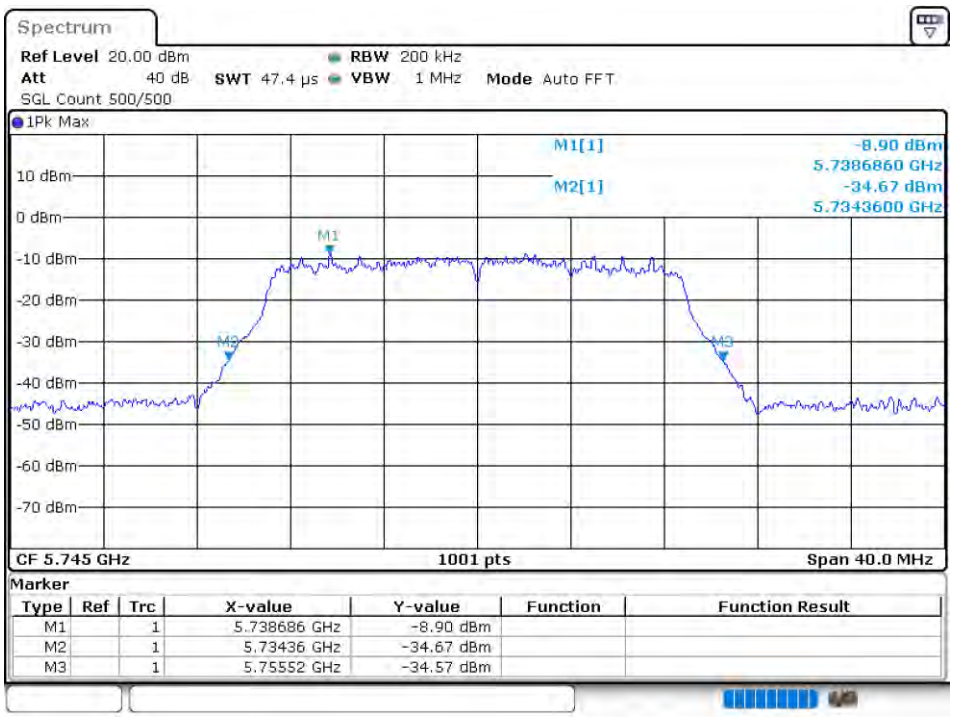
-26 dB BW NVNT 802.11ac80 5775MHz Ant1



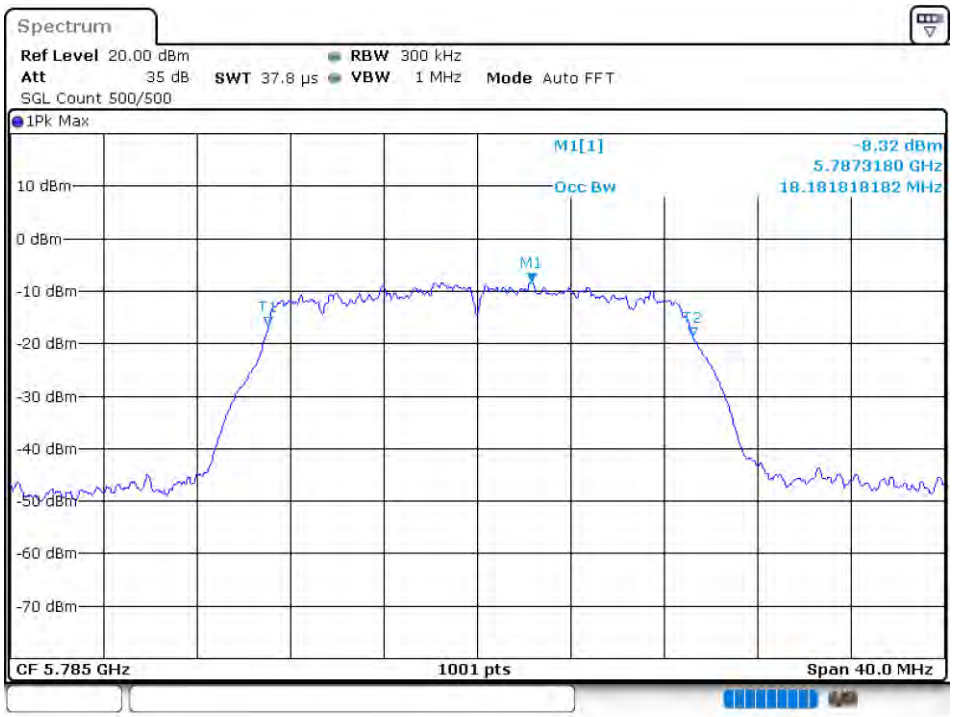

OBW NVNT 802.11n(HT20) 5745MHz Ant1



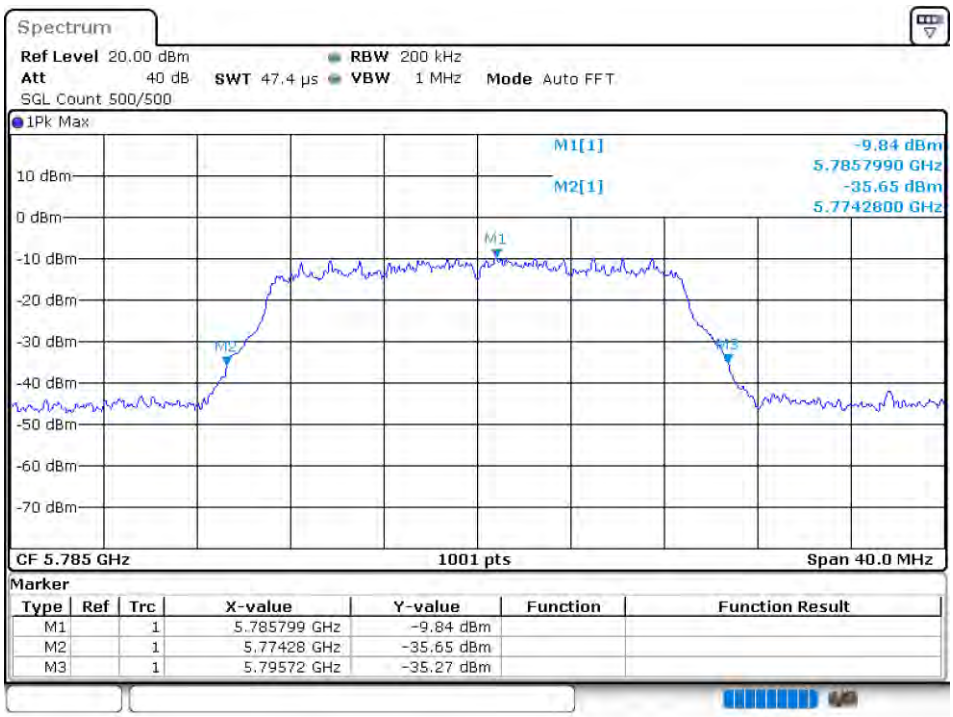
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1



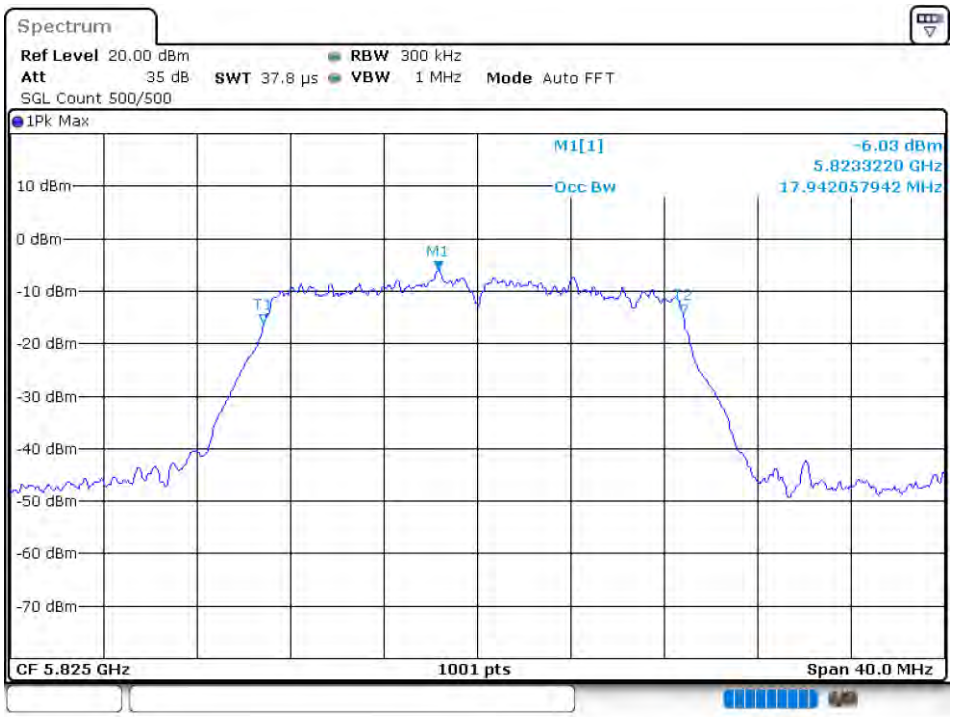

OBW NVNT 802.11n(HT20) 5785MHz Ant1



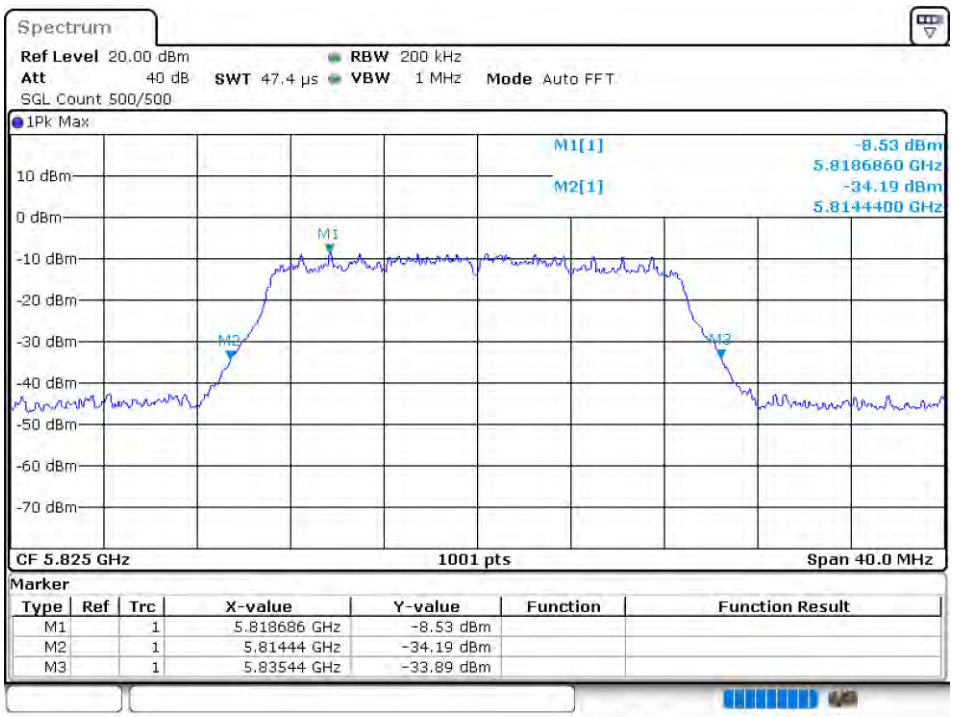
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



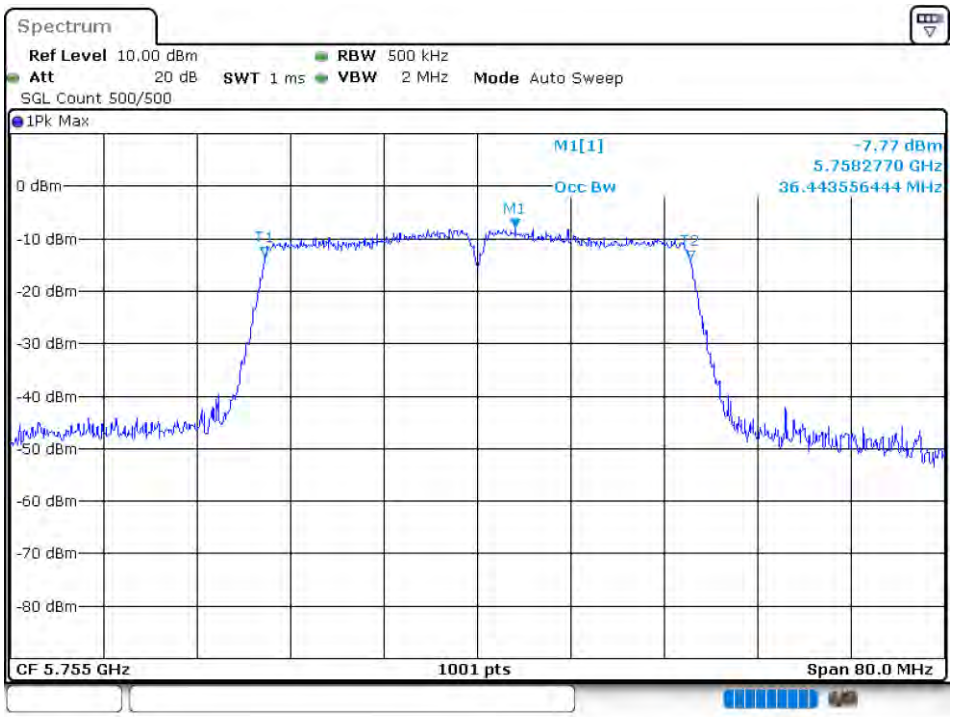

OBW NVNT 802.11n(HT20) 5825MHz Ant1



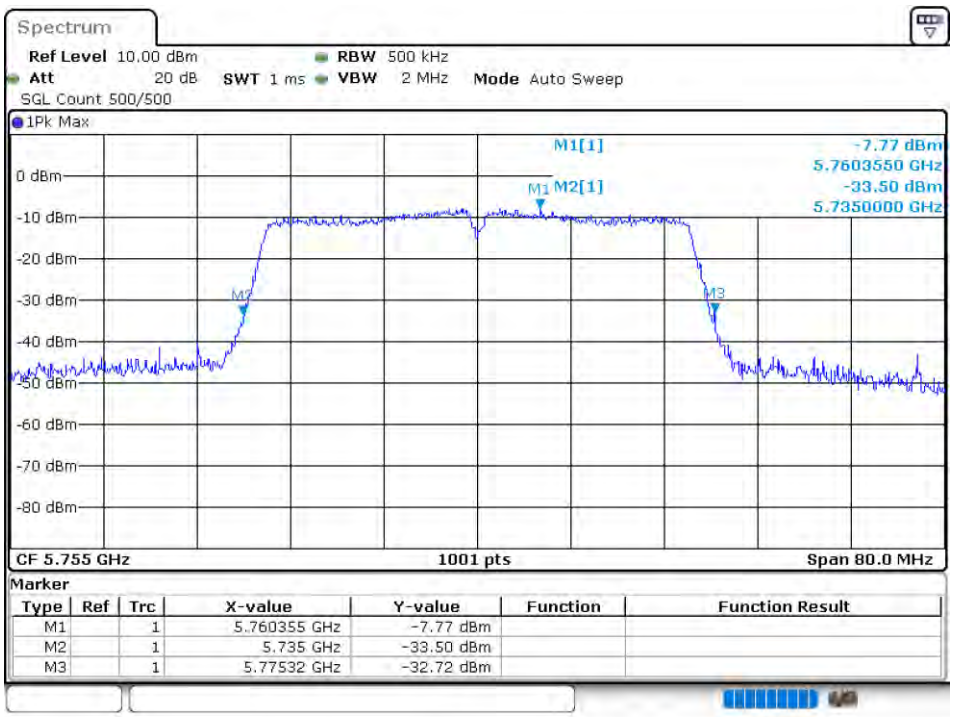
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



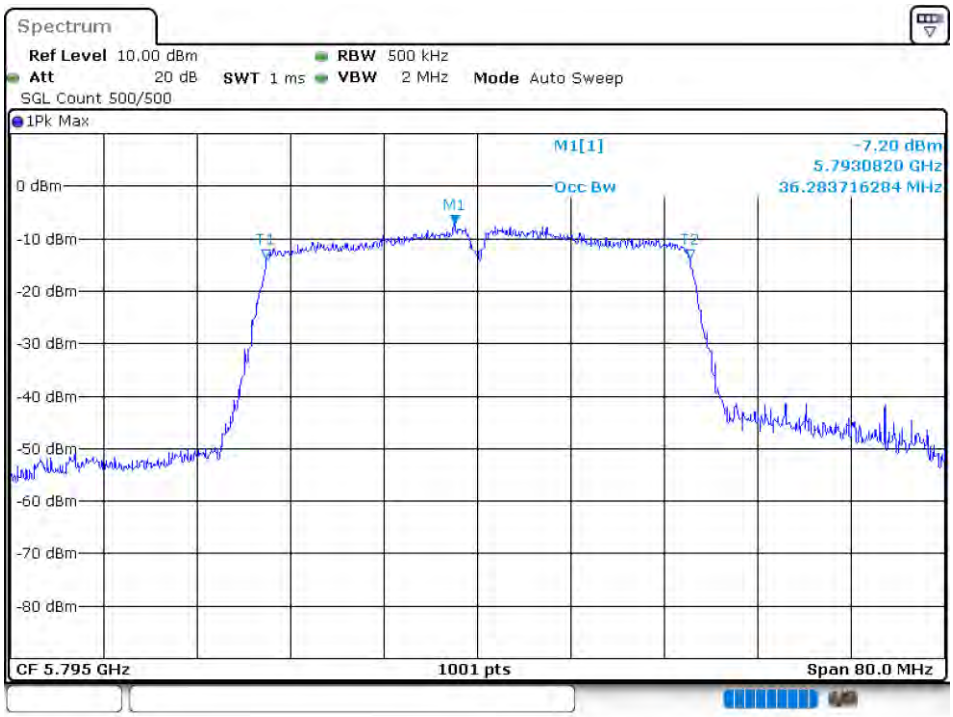

OBW NVNT 802.11n(HT40) 5755MHz Ant1



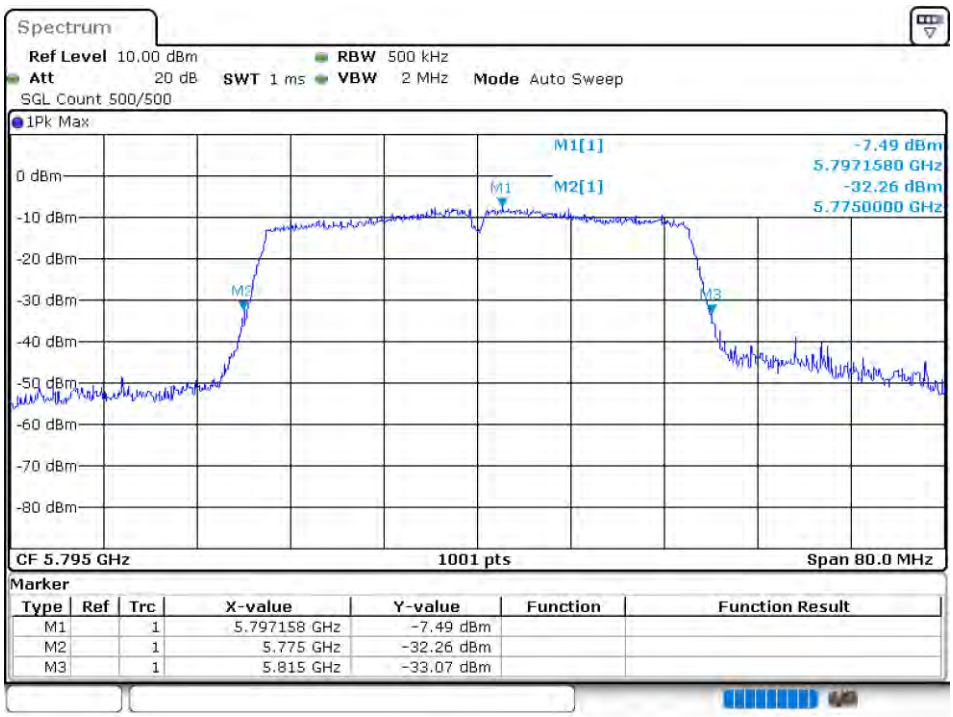
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1




OBW NVNT 802.11n(HT40) 5795MHz Ant1



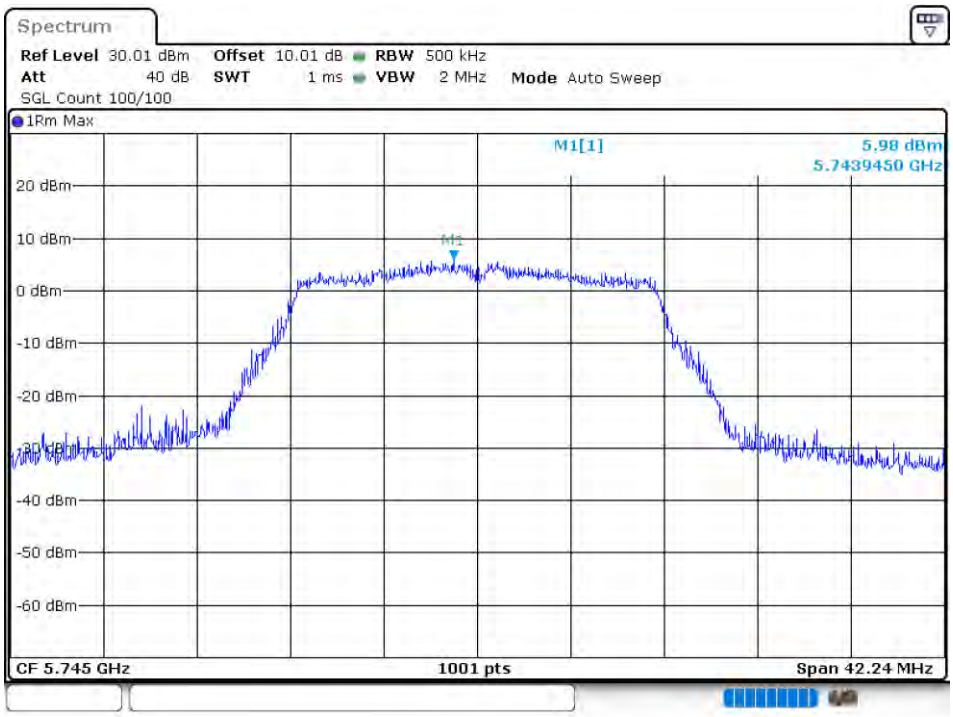
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1



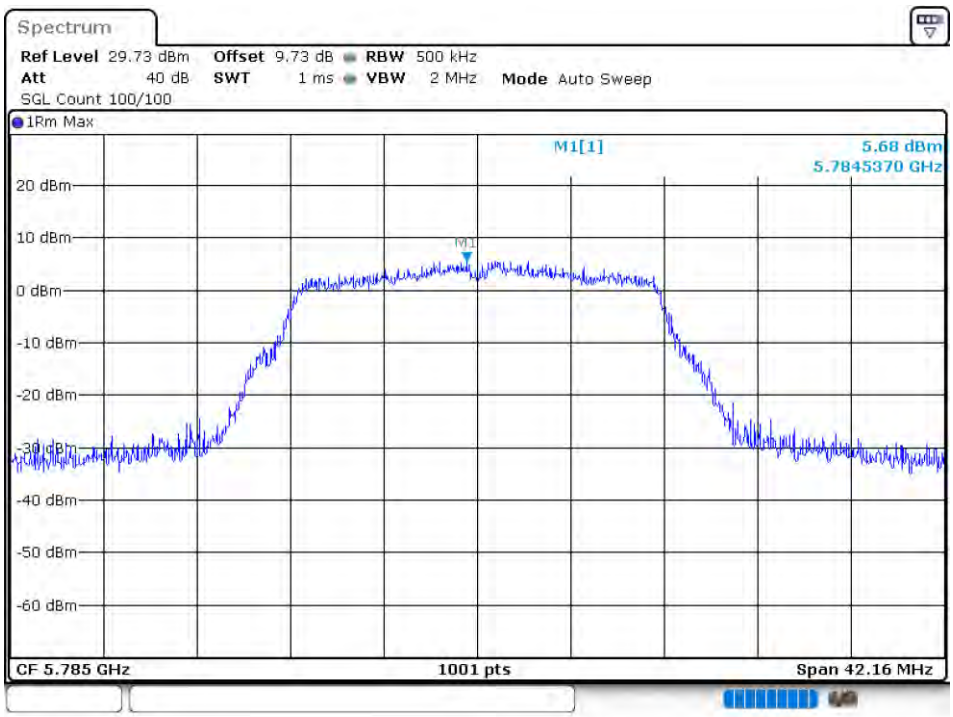
## Maximum Power Spectral Density Level

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 5.98 | 30 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 5.683 | 30 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 5.607 | 30 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 4.329 | 30 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 3.929 | 30 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 4.592 | 30 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | 2.397 | 30 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | 1.837 | 30 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | -1.71 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 4.864 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 3.385 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 4.755 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | 1.772 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 1.775 | 30 | Pass |

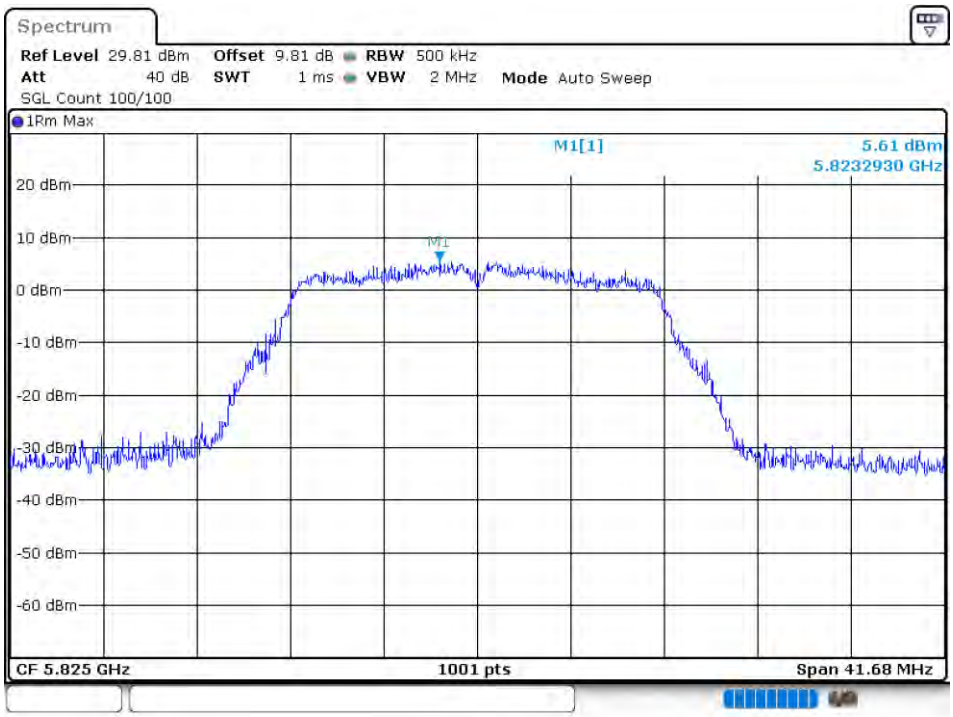
PSD NVNT 802.11a 5745MHz Ant1



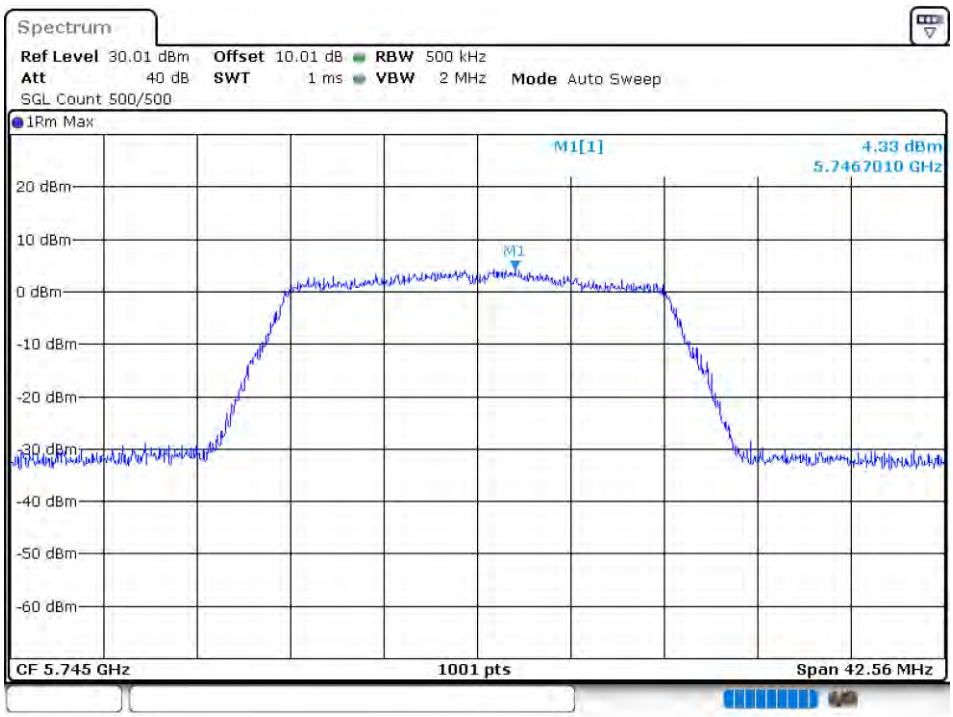
PSD NVNT 802.11a 5785MHz Ant1




PSD NVNT 802.11a 5825MHz Ant1



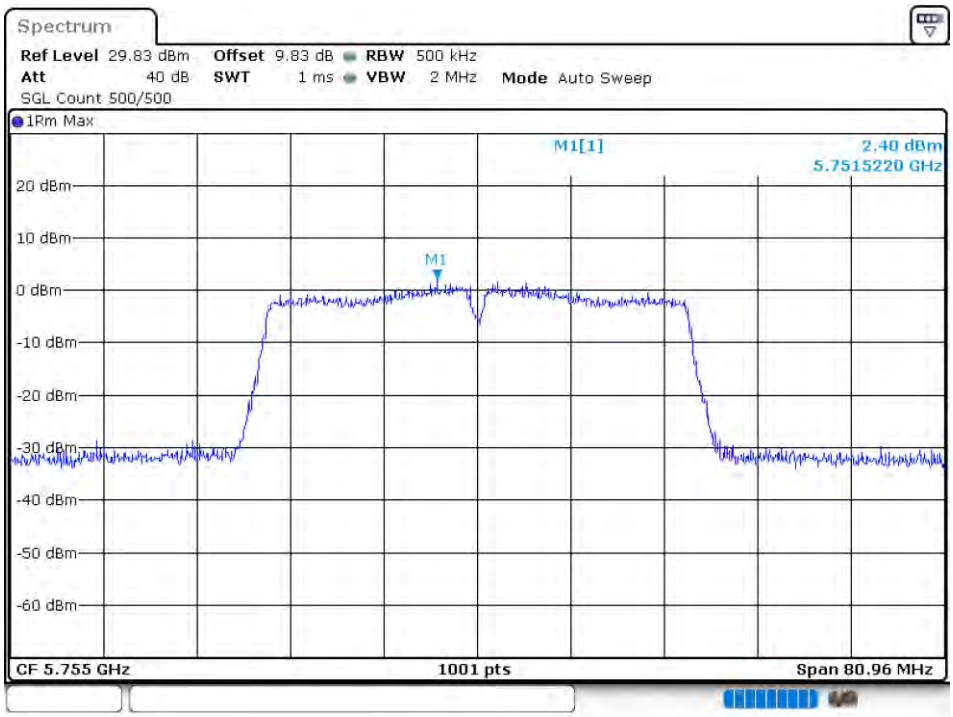
PSD NVNT 802.11ac20 5745MHz Ant1



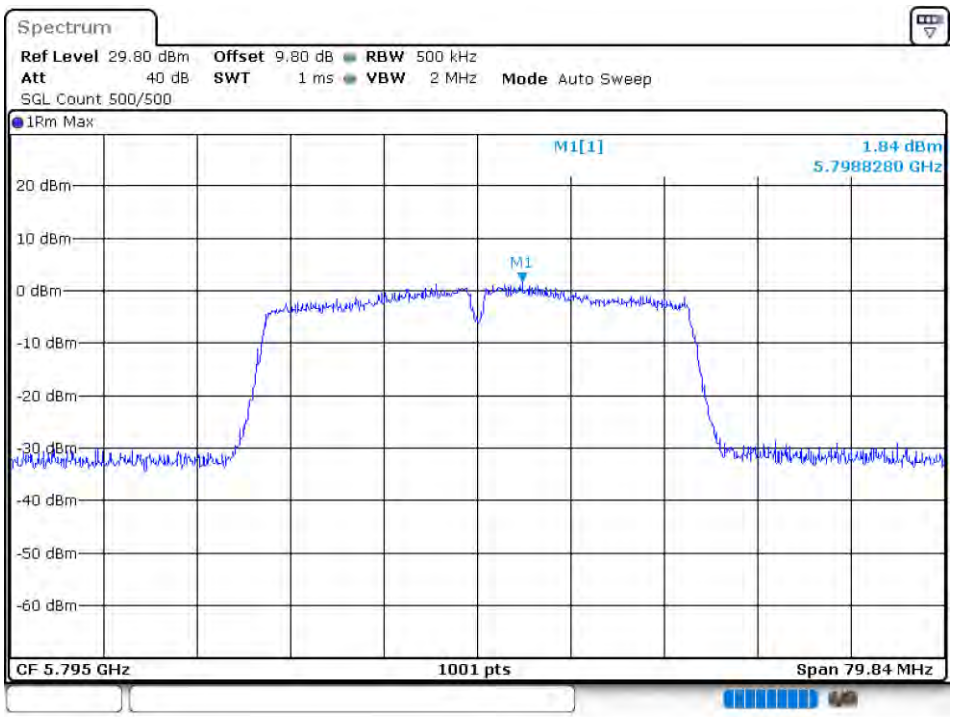

PSD NVNT 802.11ac20 5785MHz Ant1

PSD NVNT 802.11ac20 5825MHz Ant1

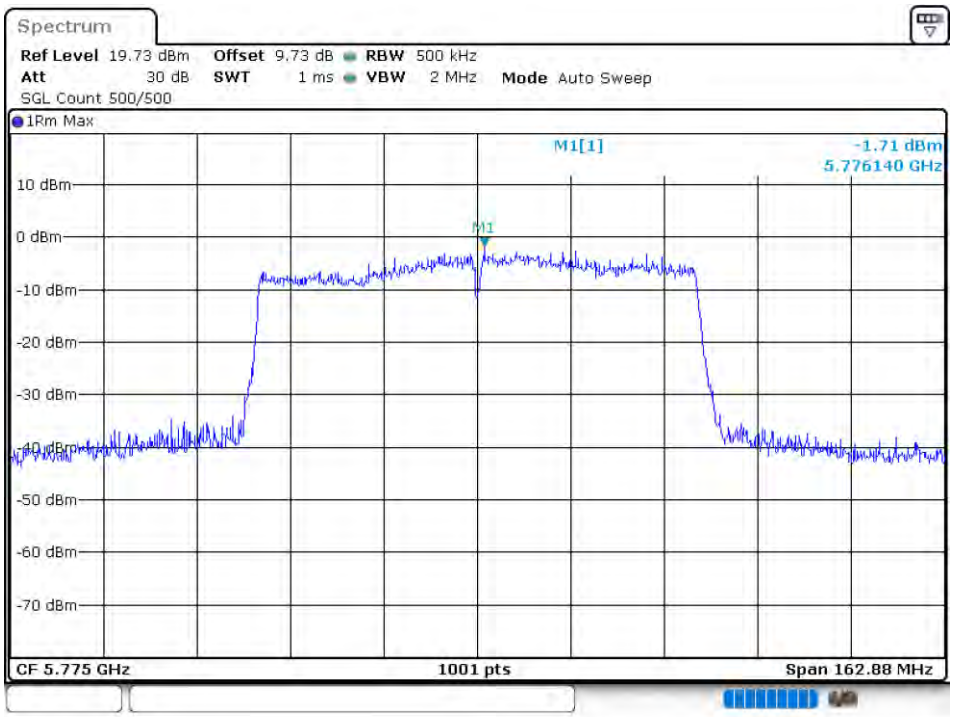
PSD NVNT 802.11ac40 5755MHz Ant1



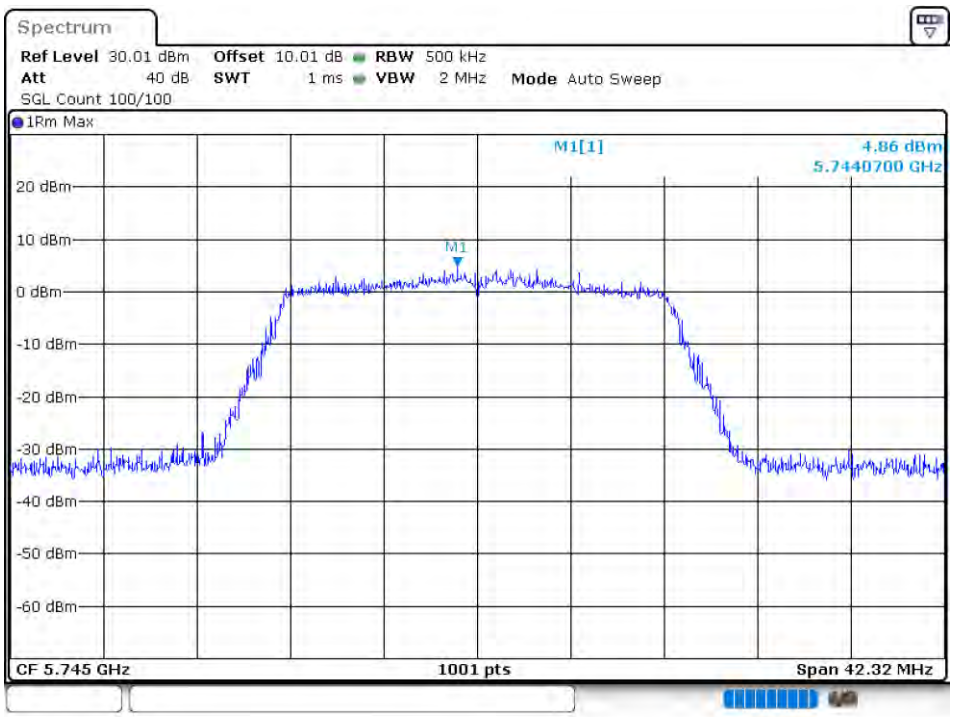
PSD NVNT 802.11ac40 5795MHz Ant1



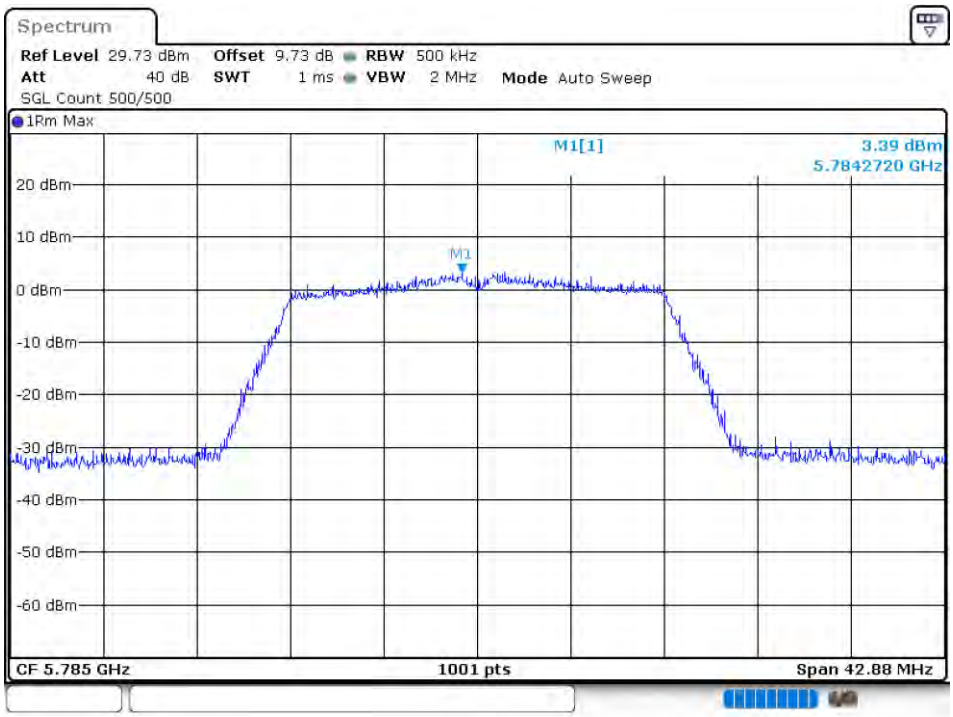

PSD NVNT 802.11ac80 5775MHz Ant1



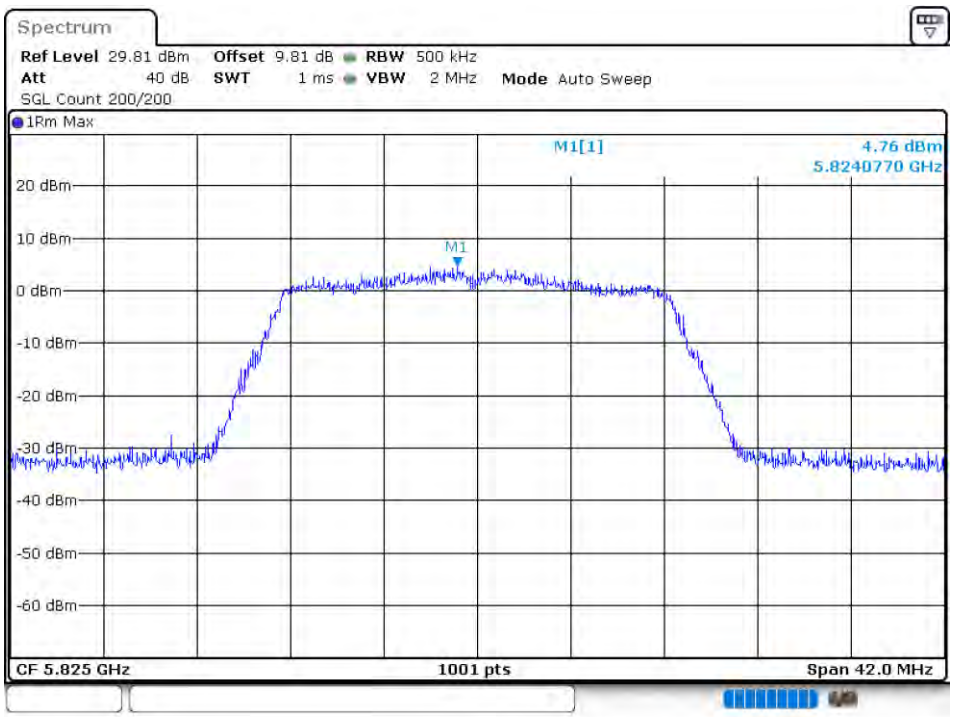
PSD NVNT 802.11n(HT20) 5745MHz Ant1



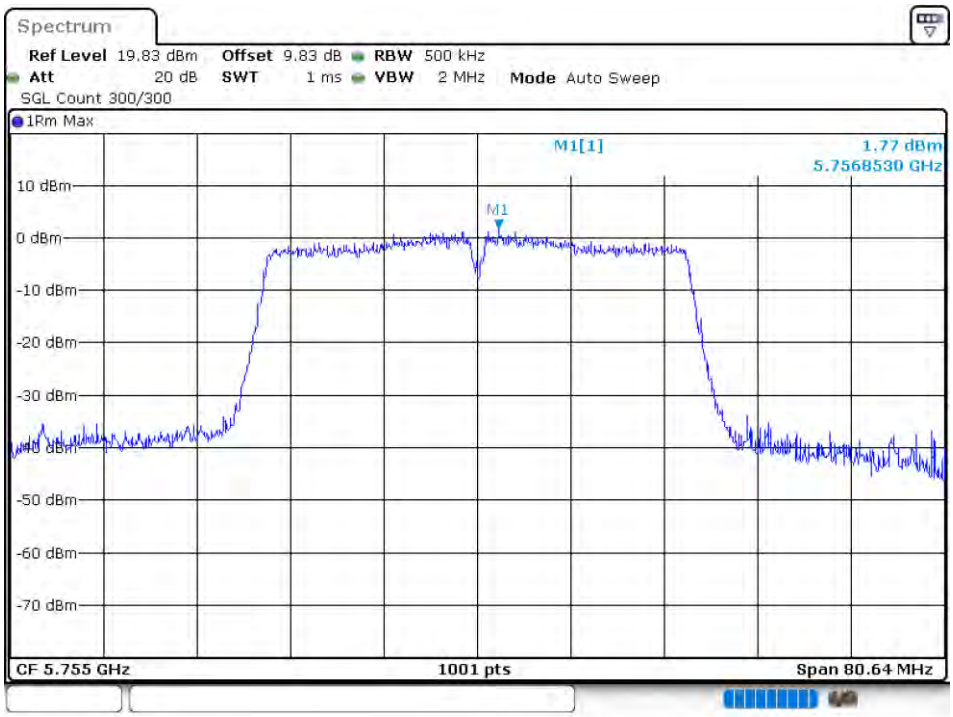

PSD NVNT 802.11n(HT20) 5785MHz Ant1



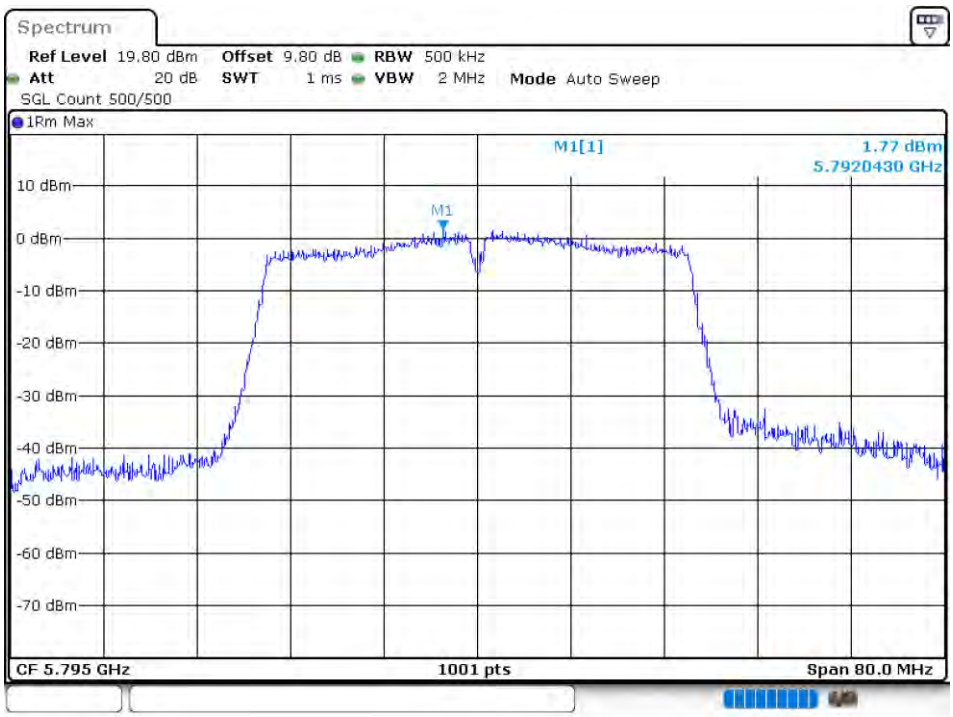
PSD NVNT 802.11n(HT20) 5825MHz Ant1




PSD NVNT 802.11n(HT40) 5755MHz Ant1



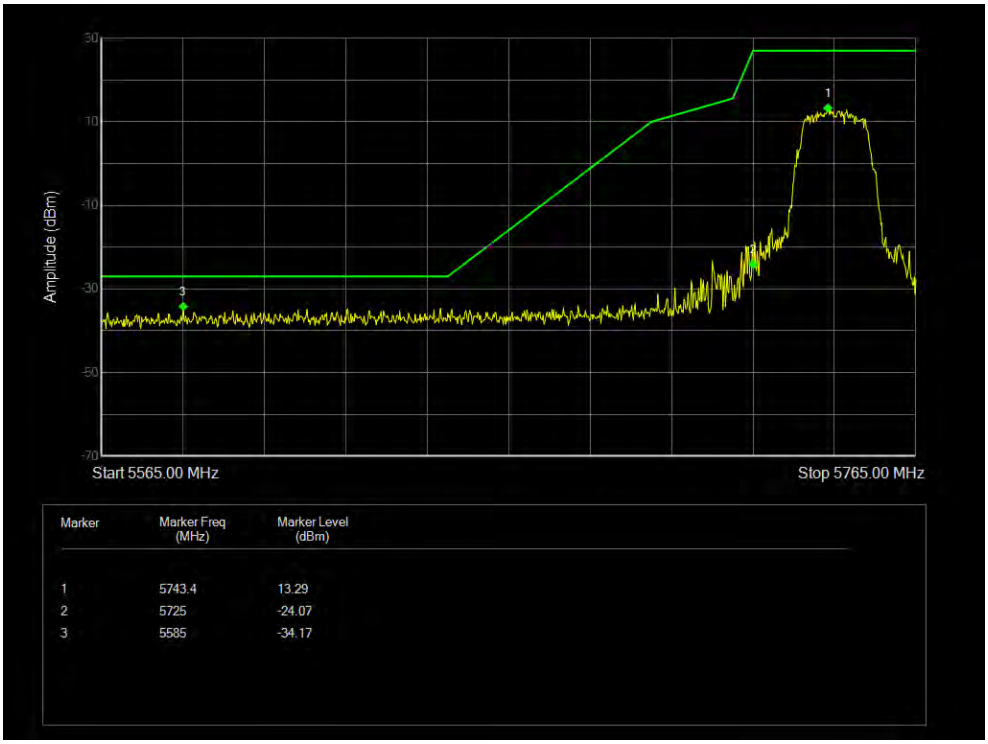
PSD NVNT 802.11n(HT40) 5795MHz Ant1



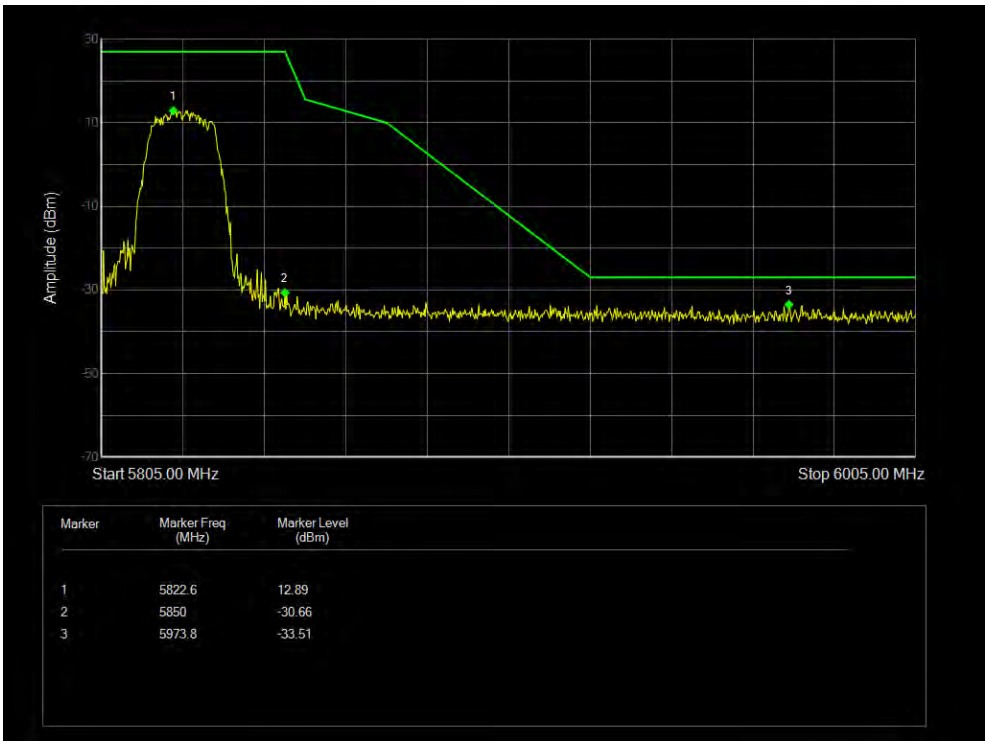
## Band Edge

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Verdict |
|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | -34.17 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | -33.51 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | -34.18 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | -33.34 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | -34.43 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | -34.04 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | -34.43 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | -34.34 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | -33.77 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | -32.77 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | -33.7 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | -33.28 | Pass |

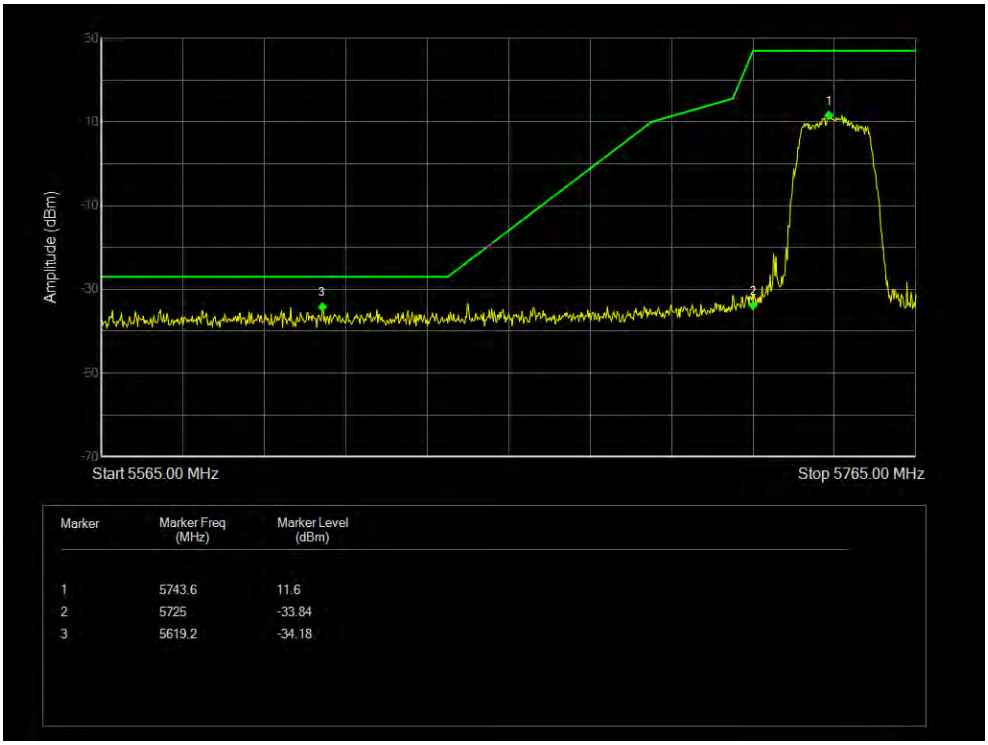
Band Edge NVNT 802.11a 5745MHz Low Ant1



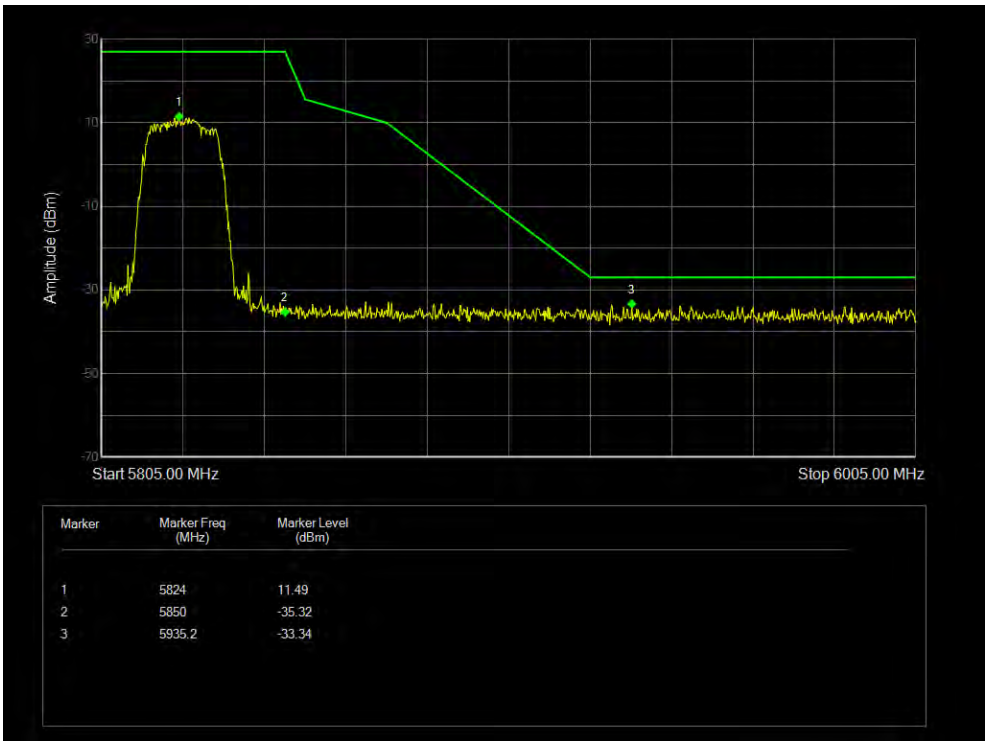
Band Edge NVNT 802.11a 5825MHz High Ant1



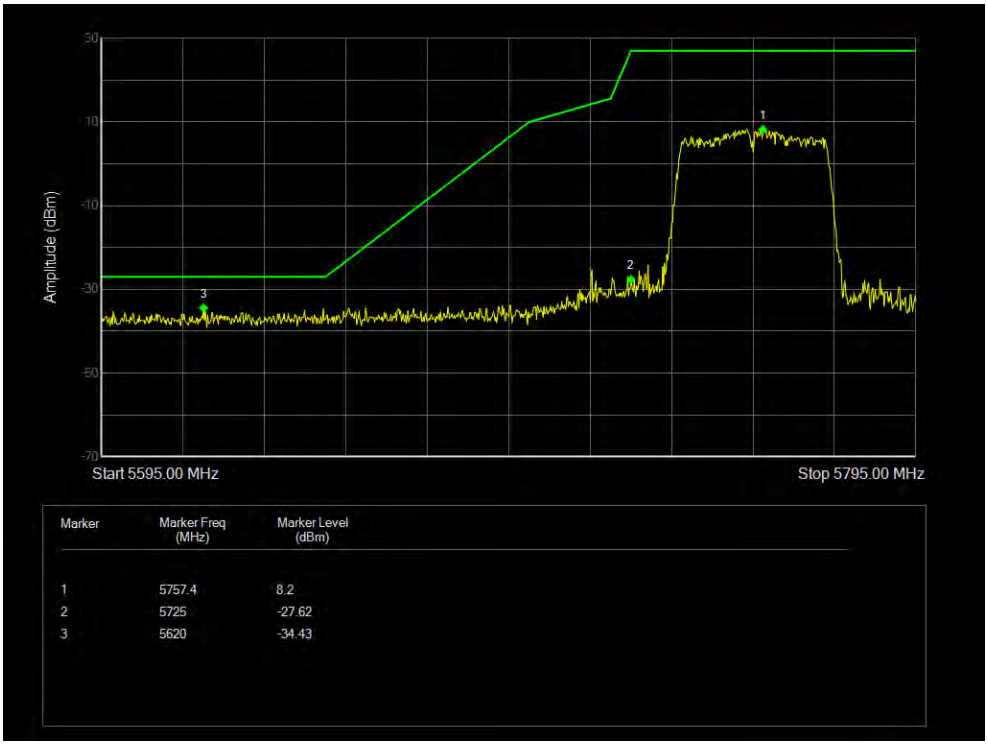

Band Edge NVNT 802.11ac20 5745MHz Low Ant1



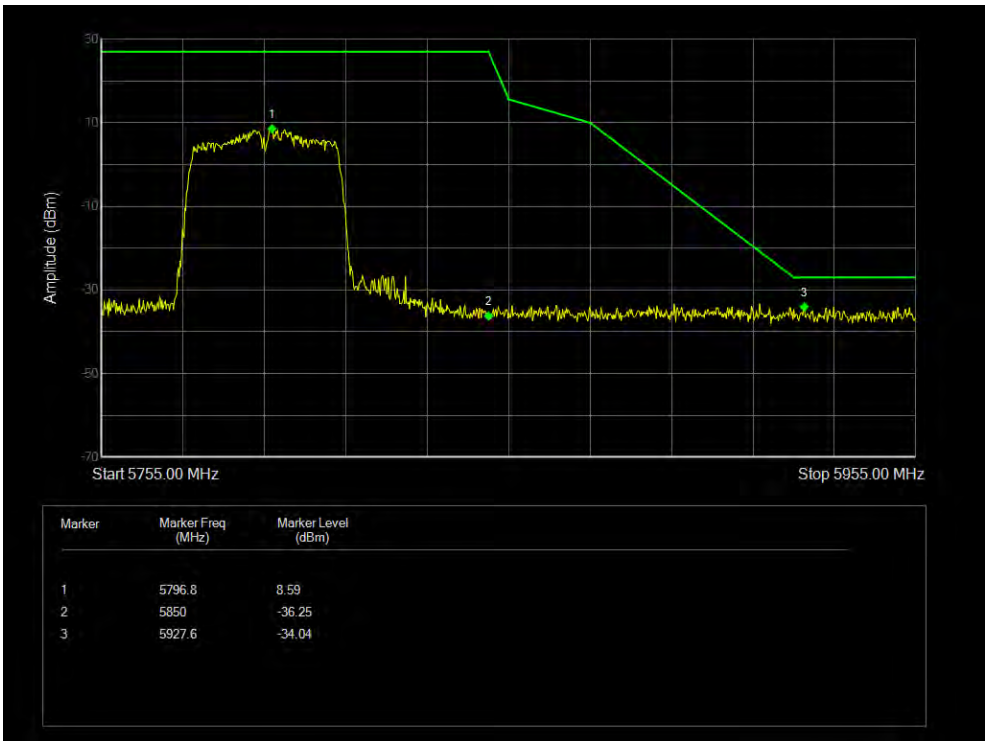
Band Edge NVNT 802.11ac20 5825MHz High Ant1



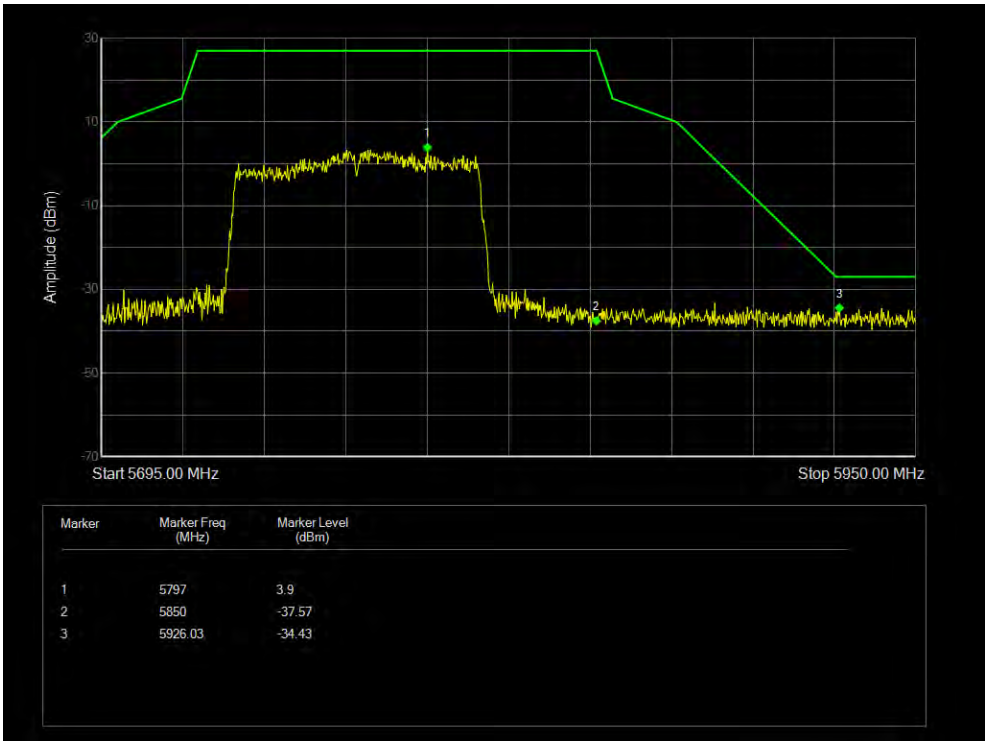

Band Edge NVNT 802.11ac40 5755MHz Low Ant1



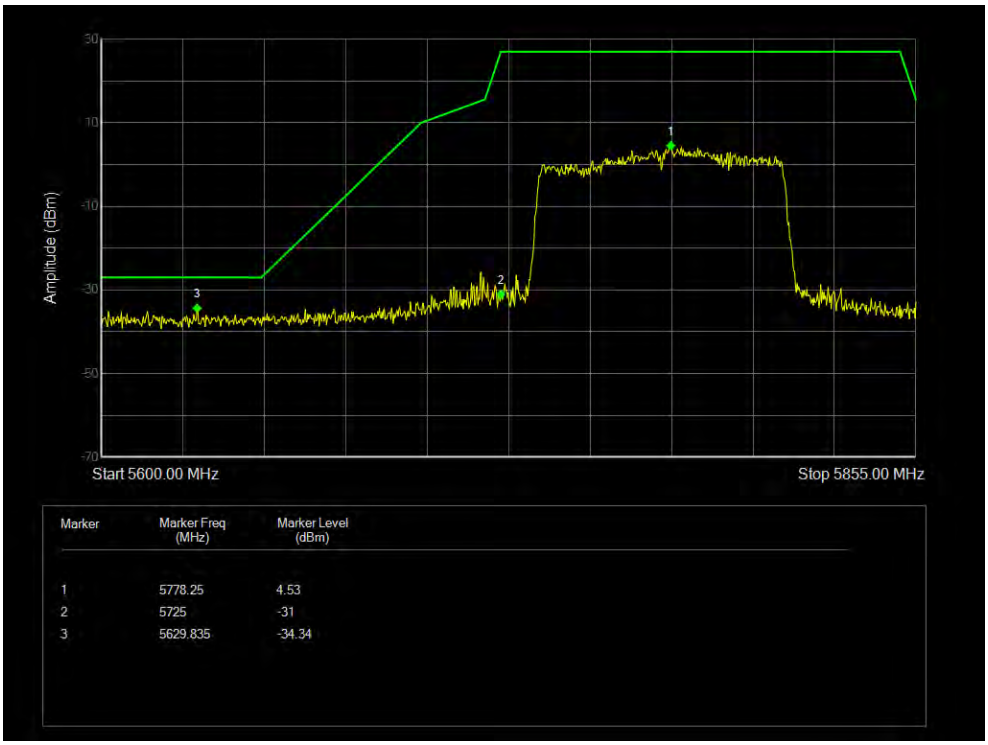
Band Edge NVNT 802.11ac40 5795MHz High Ant1



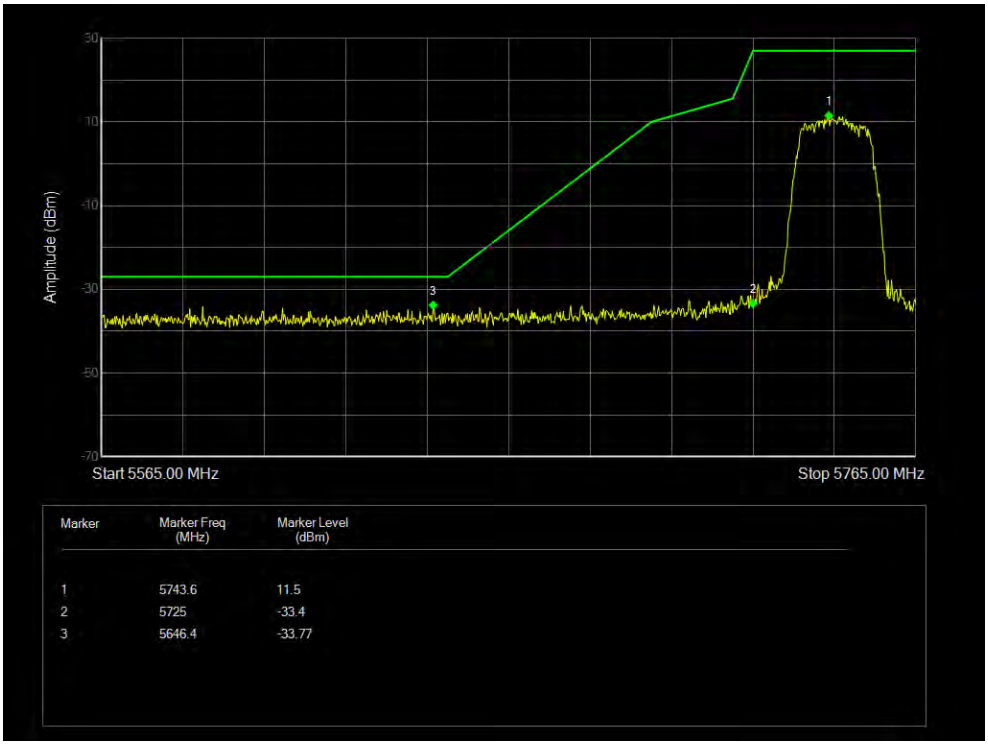

Band Edge NVNT 802.11ac80 5775MHz High Ant1



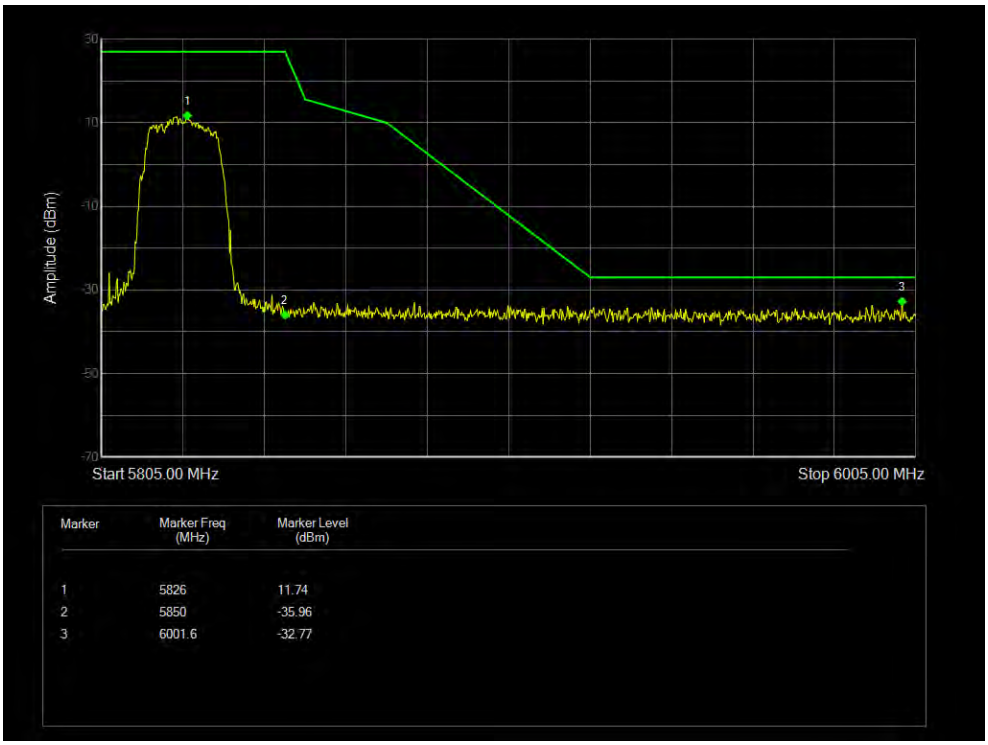
Band Edge NVNT 802.11ac80 5775MHz Low Ant1



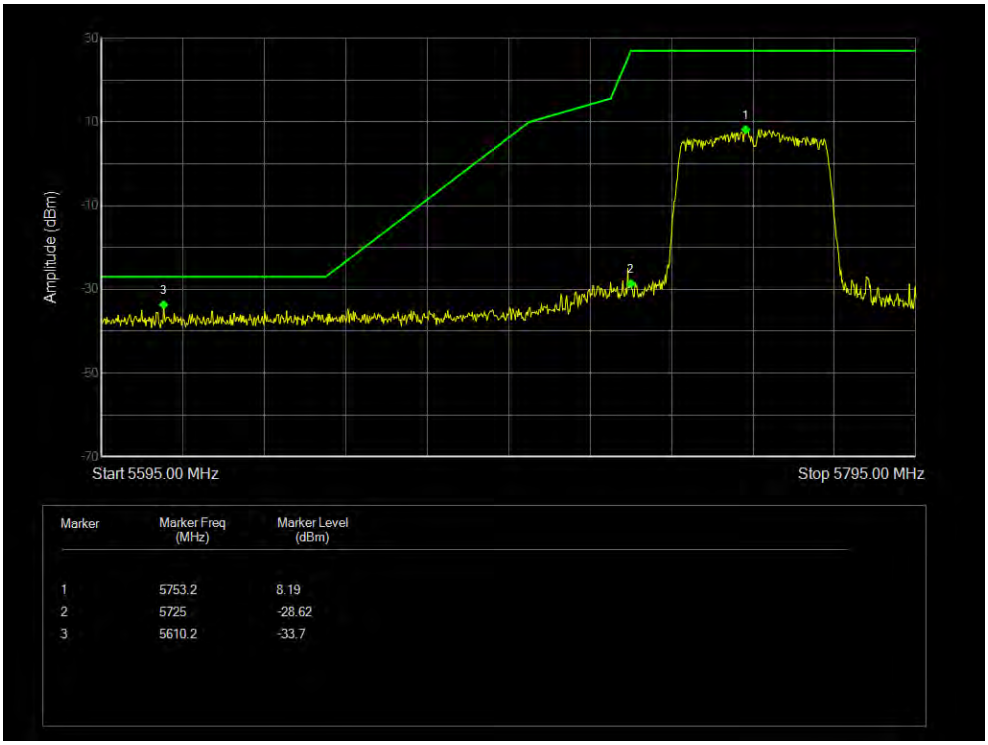

Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1



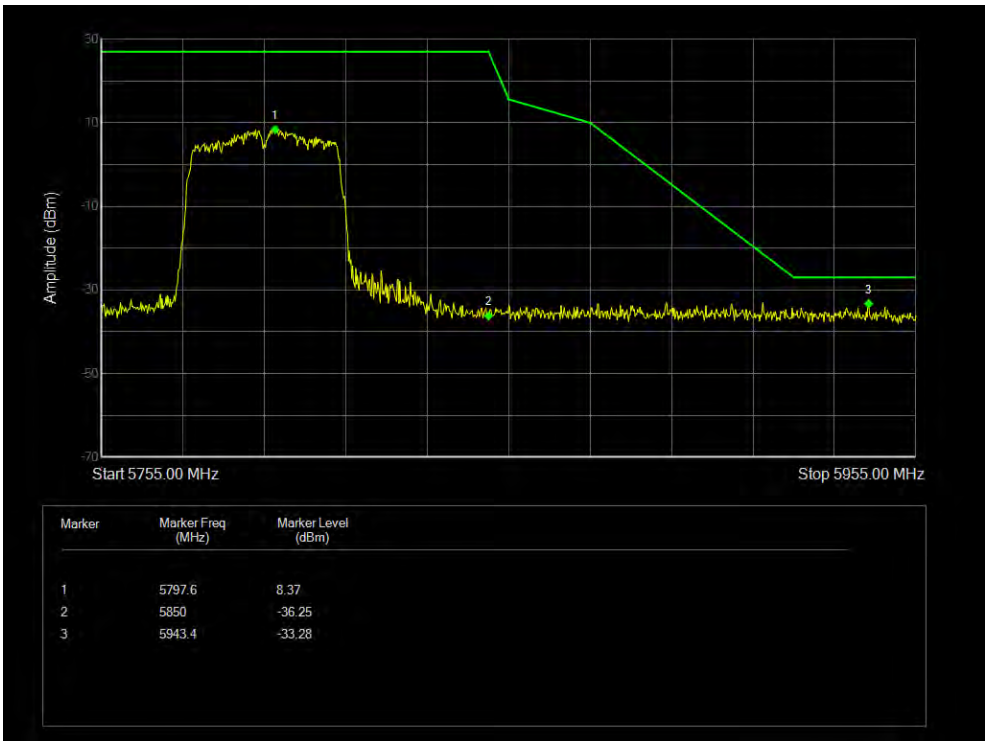
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1




Band Edge NVNT 802.11n(HT40) 5755MHz Low Ant1



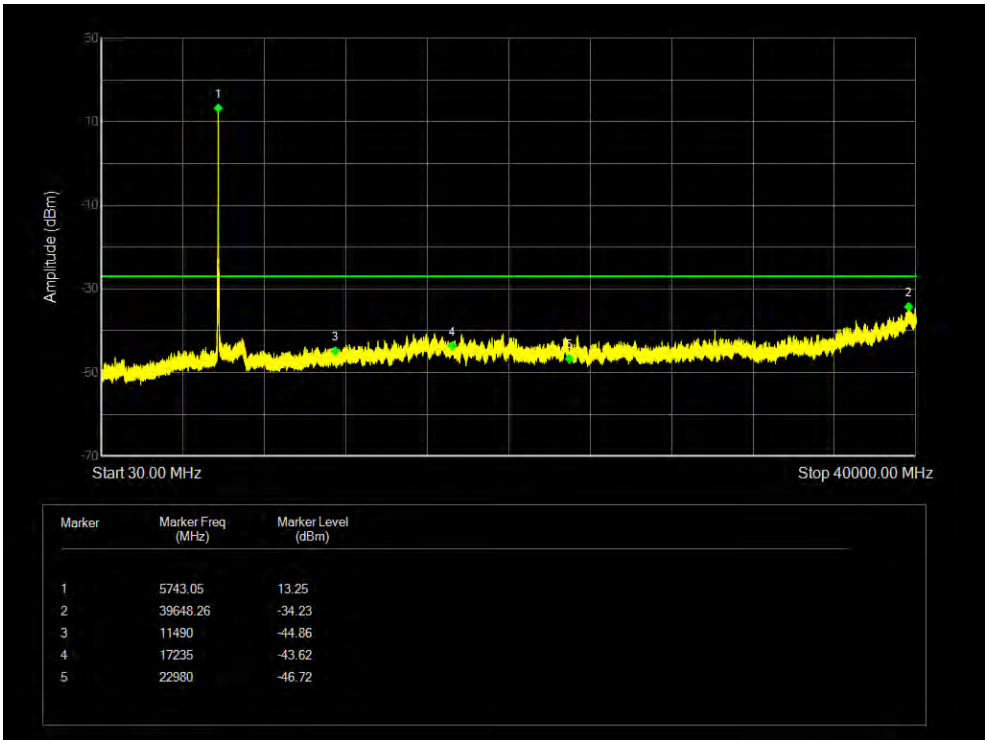
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant1



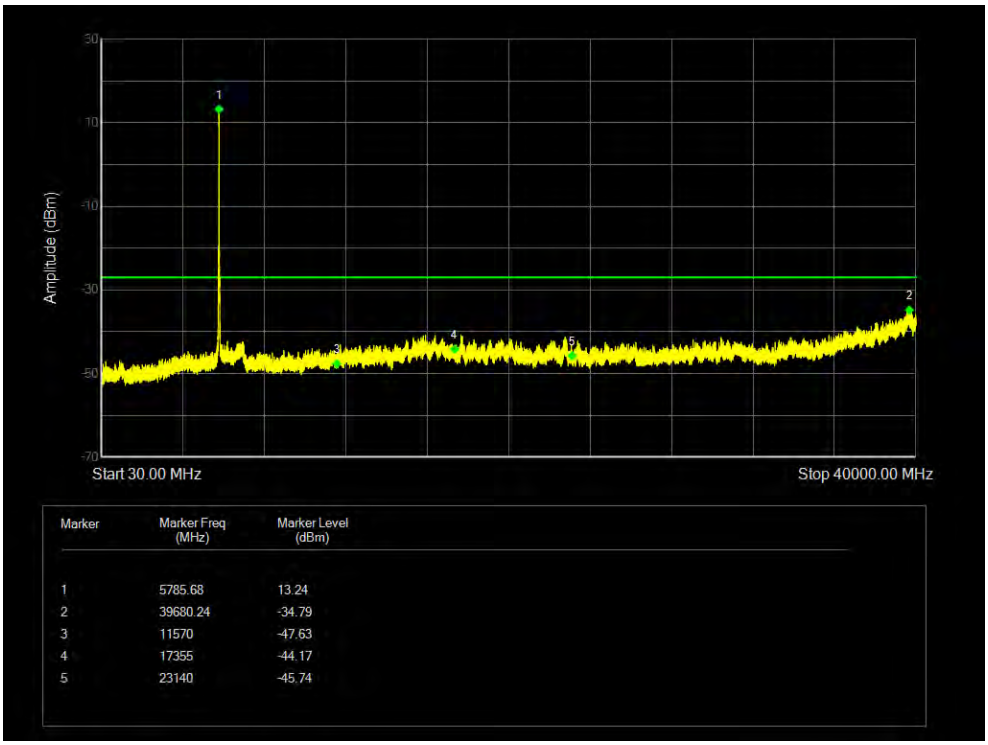
## Conducted RF Spurious Emission

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | -34.23 | -27 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | -34.79 | -27 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | -34.88 | -27 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | -34.54 | -27 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | -34.49 | -27 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | -34.78 | -27 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | -34.92 | -27 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | -35.01 | -27 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | -35.35 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | -34.97 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | -34.73 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | -35.47 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | -34.56 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | -33.7 | -27 | Pass |

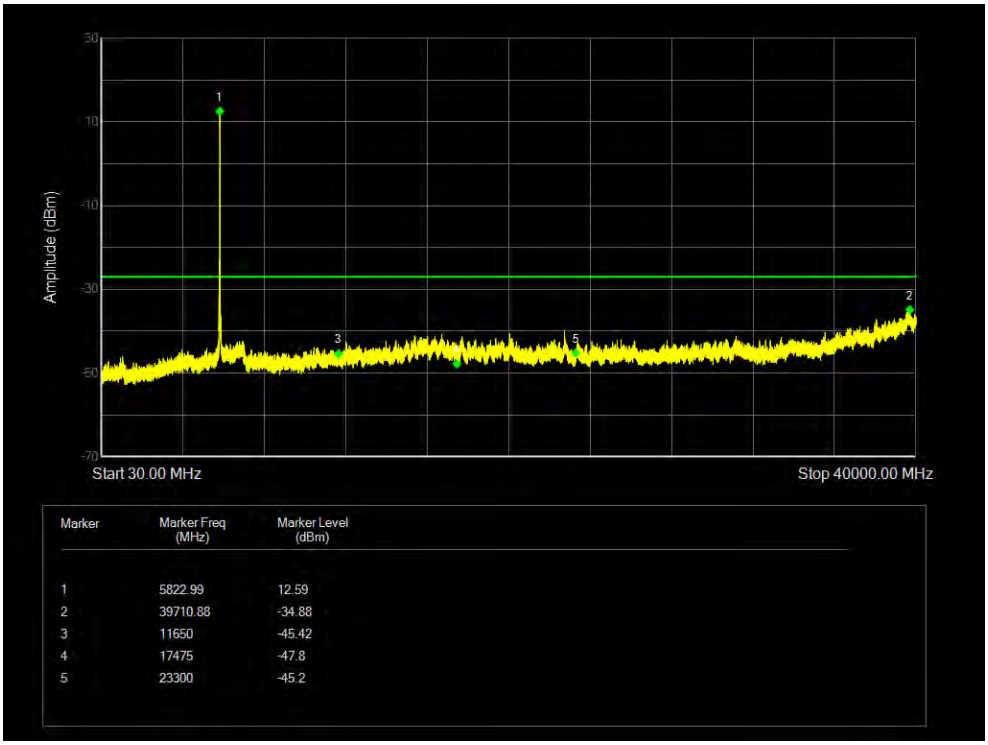
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



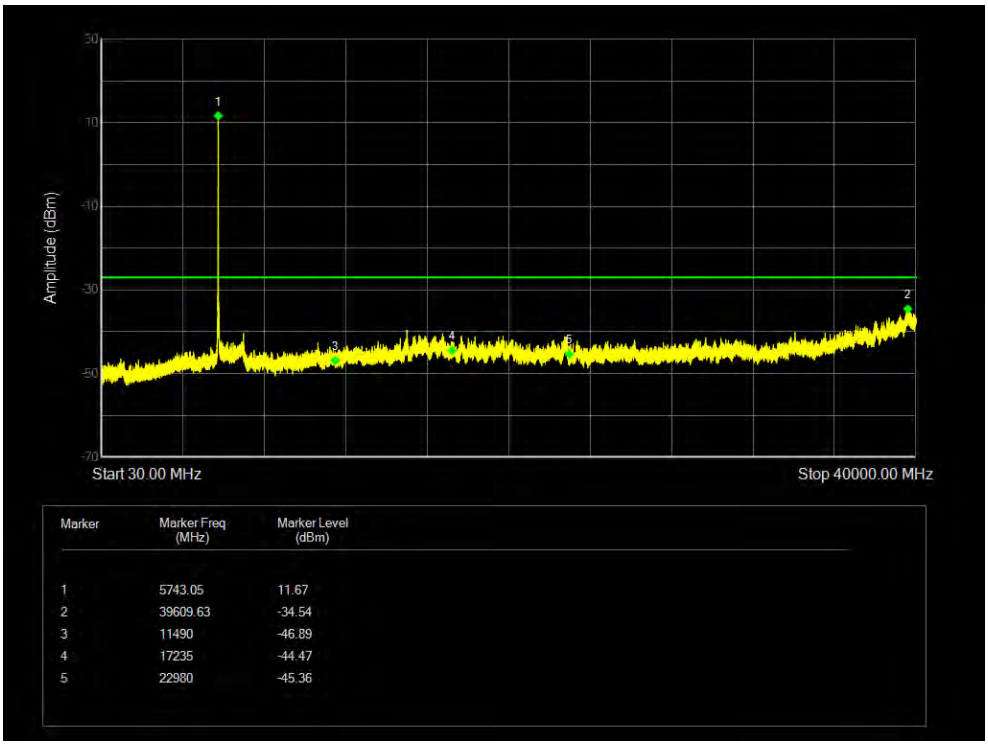
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



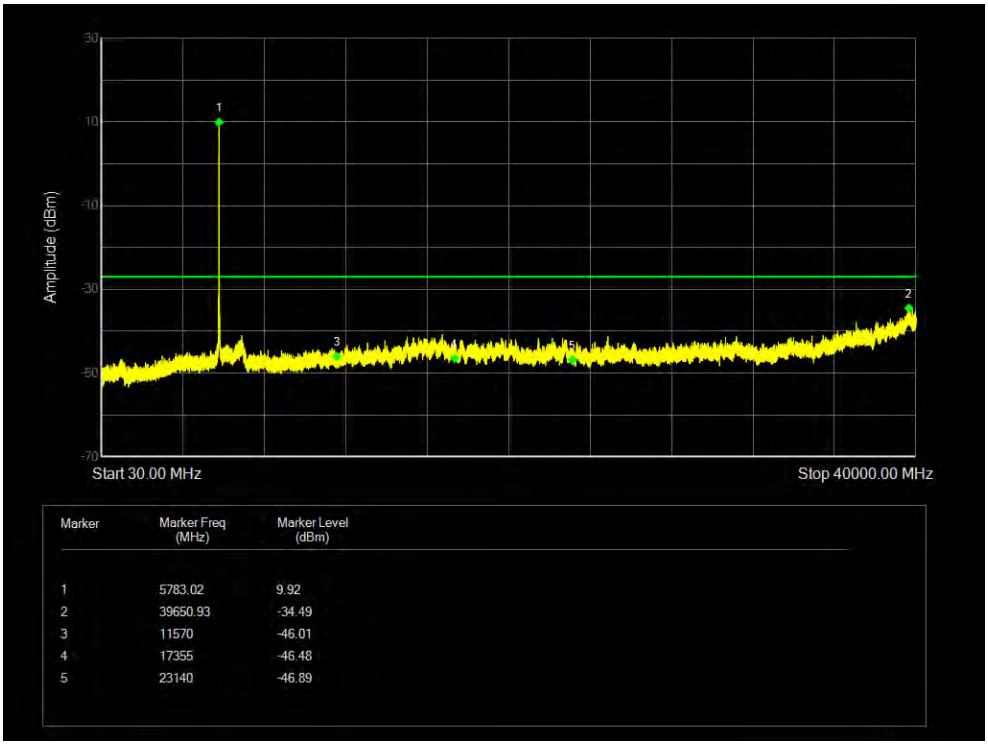

Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission



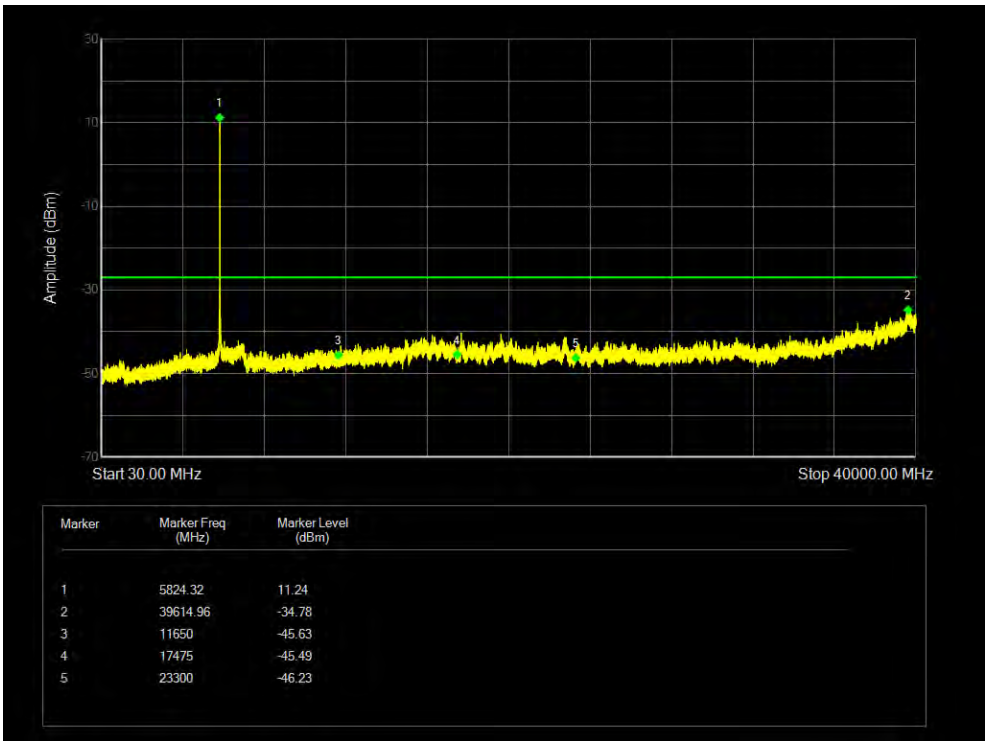
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



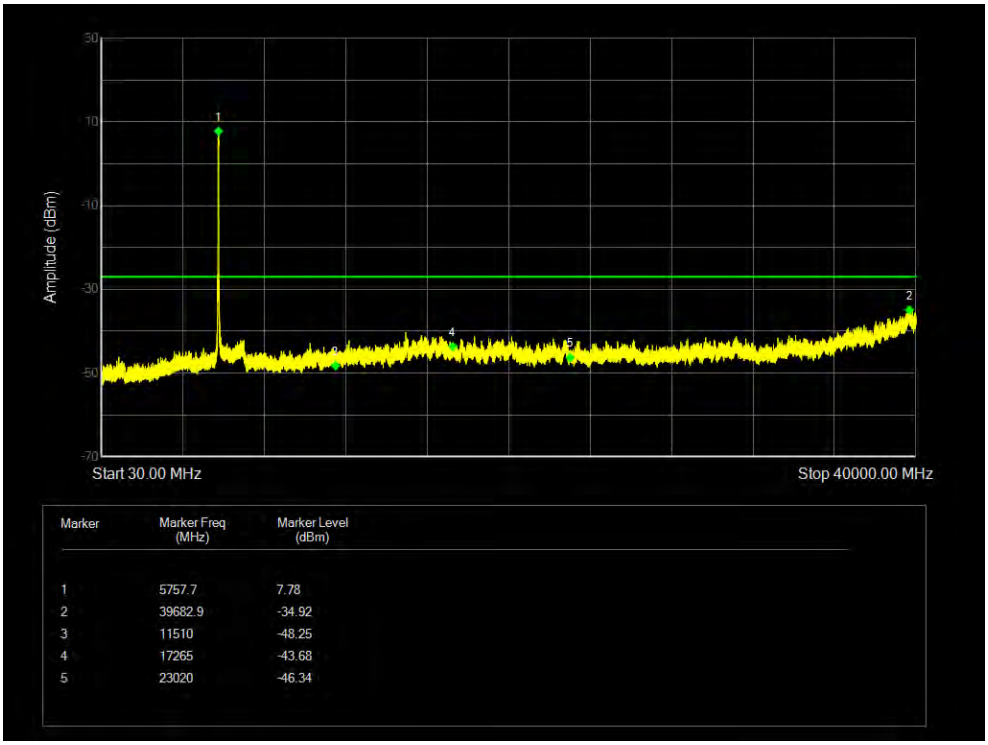

Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission



Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission




Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



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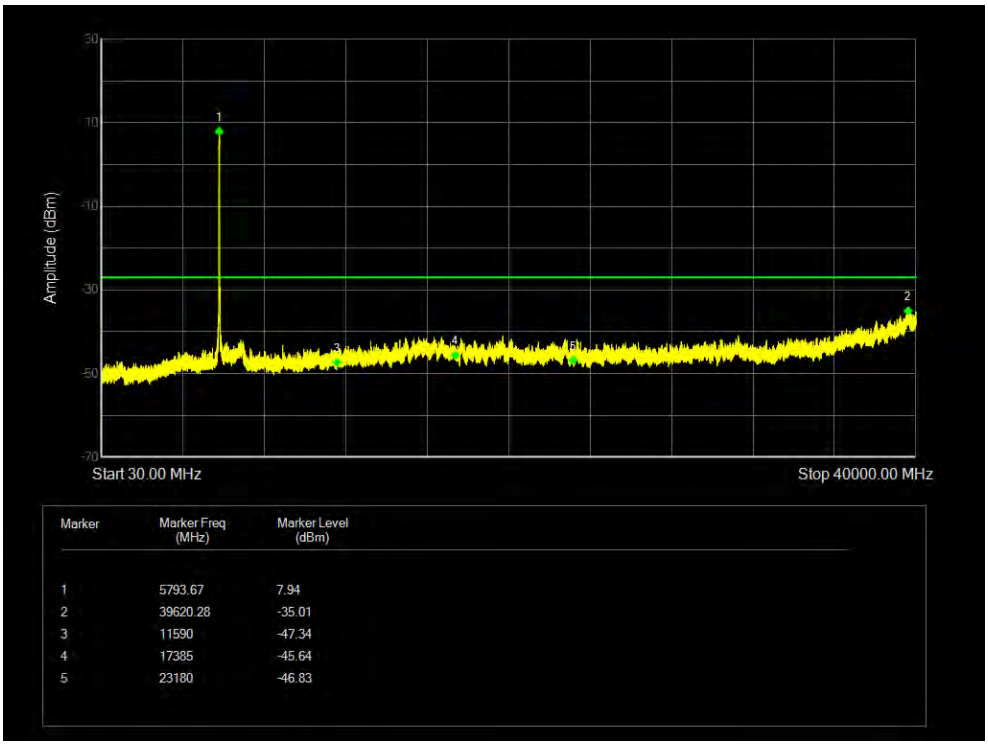


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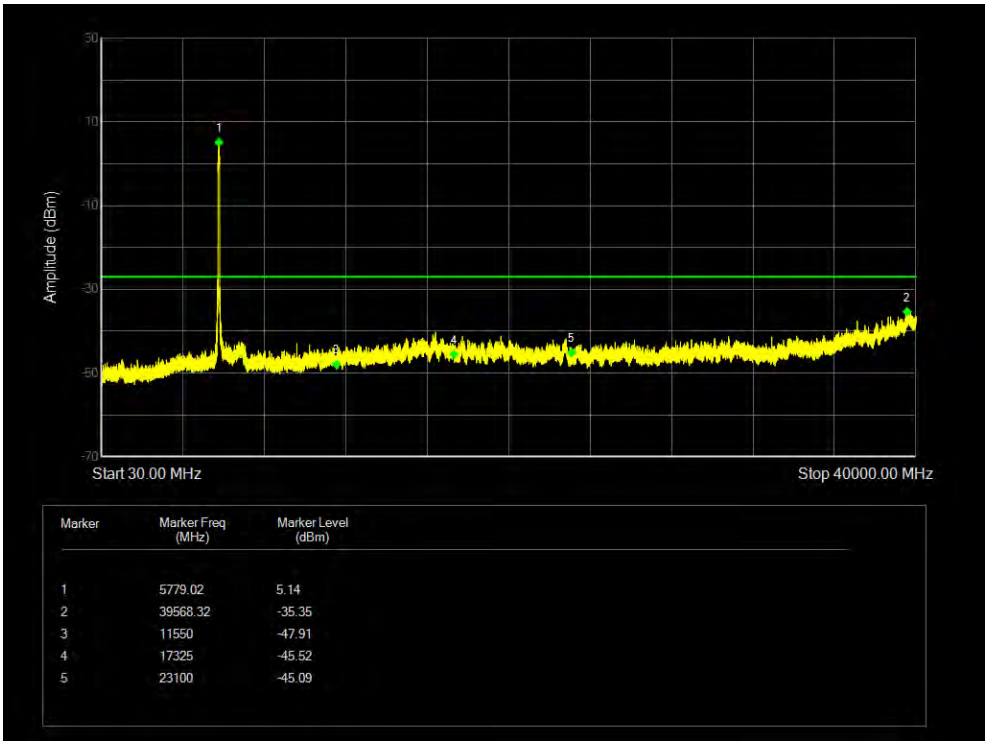
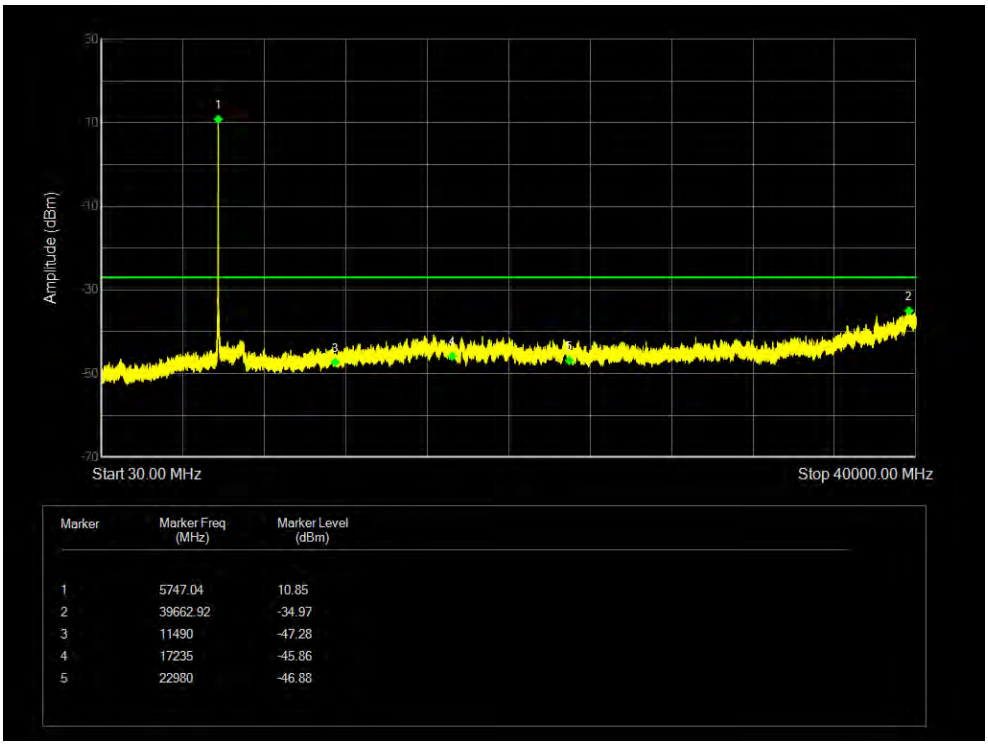


Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission

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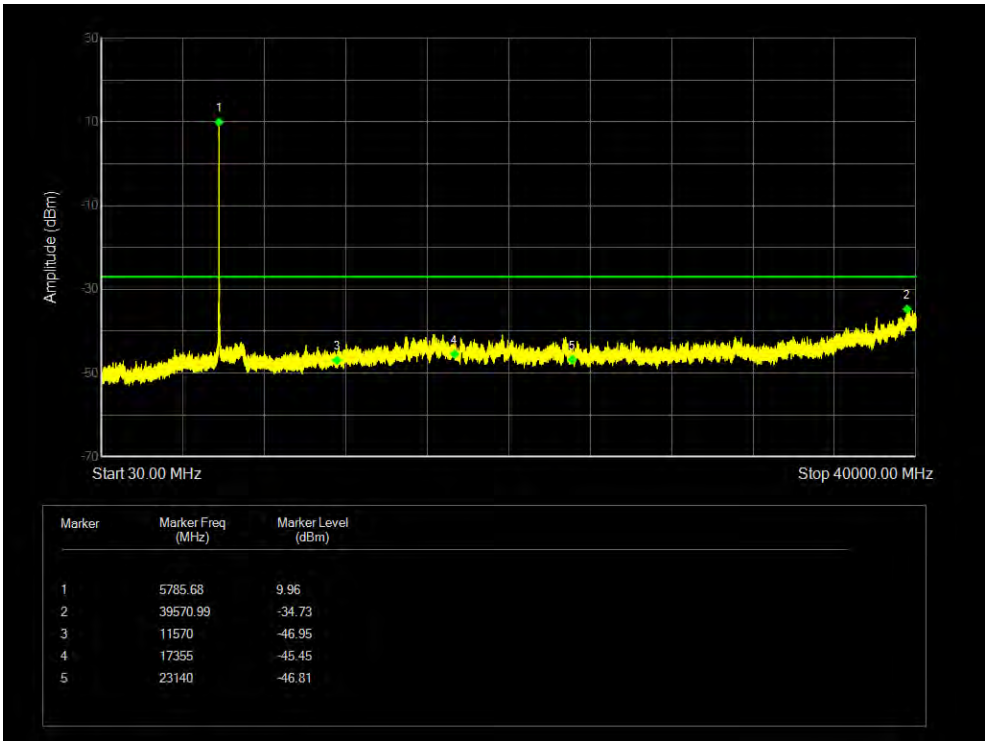

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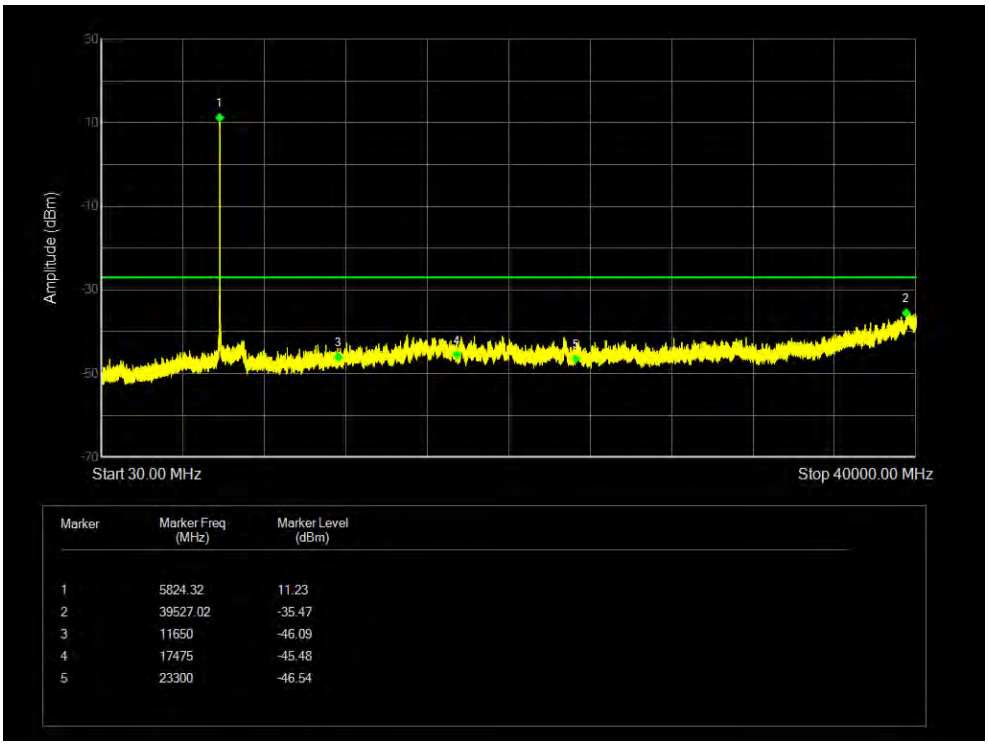
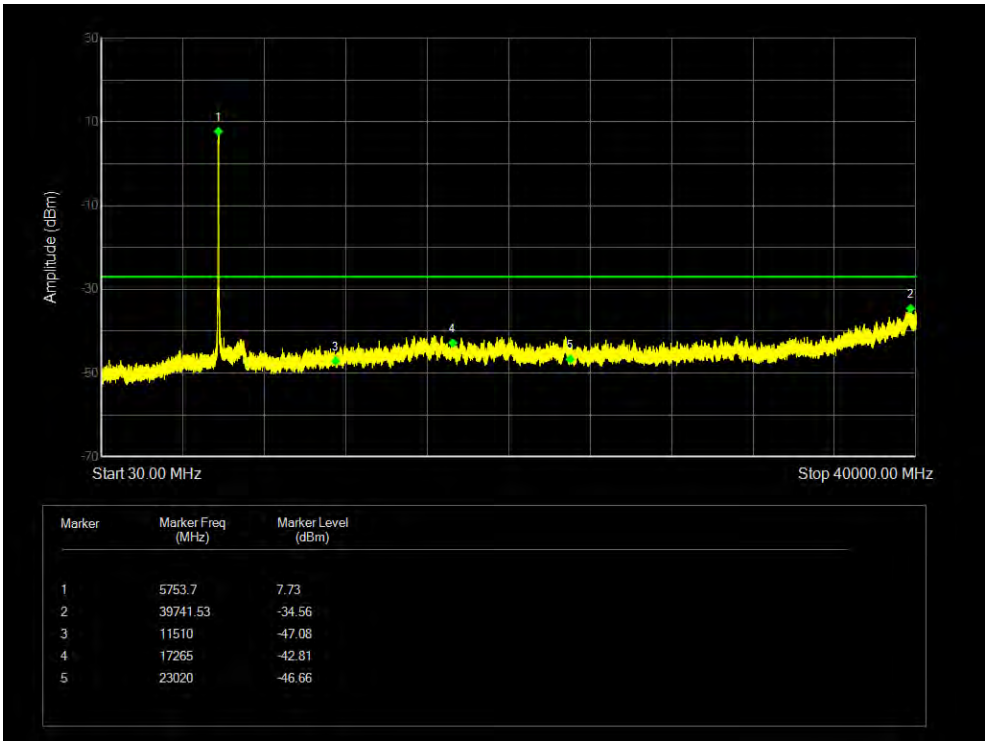
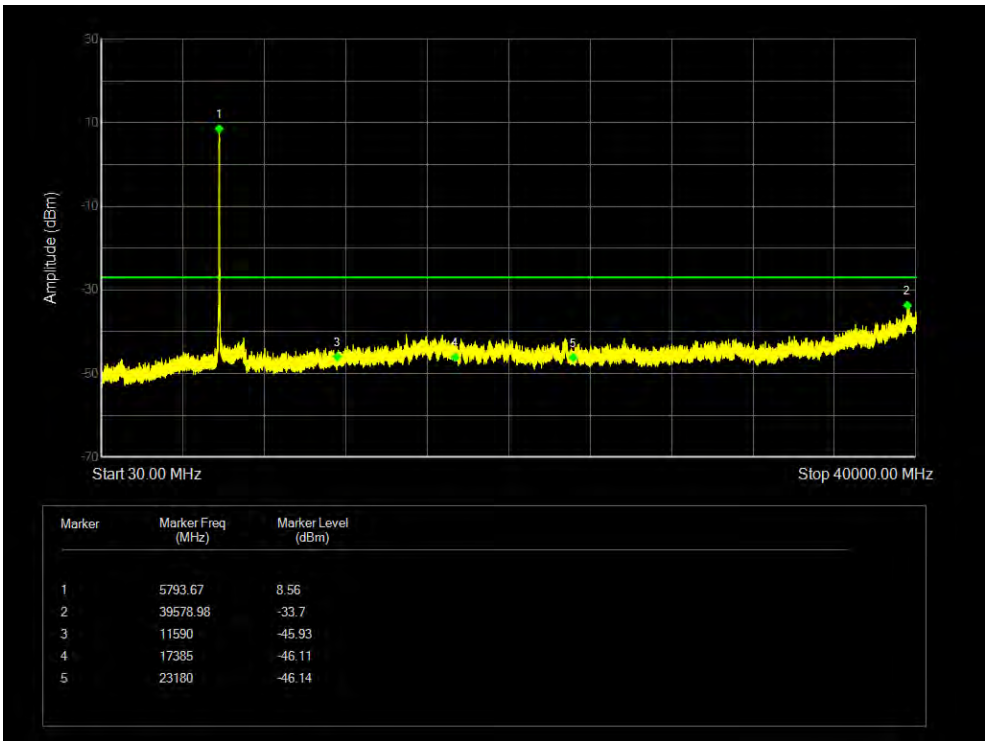



Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5795MHz Ant1 Emission