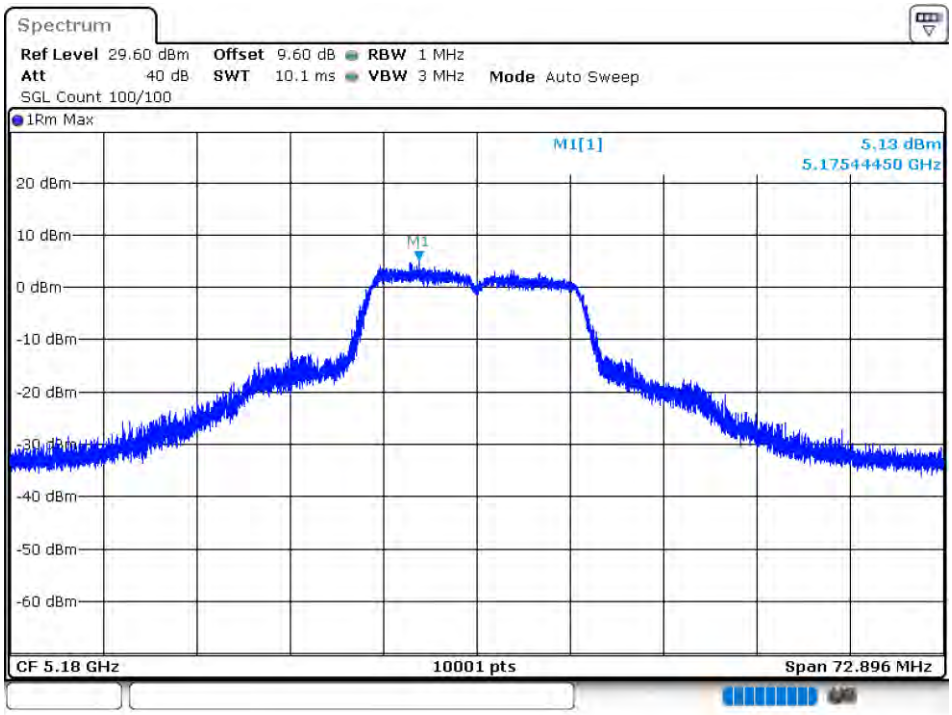
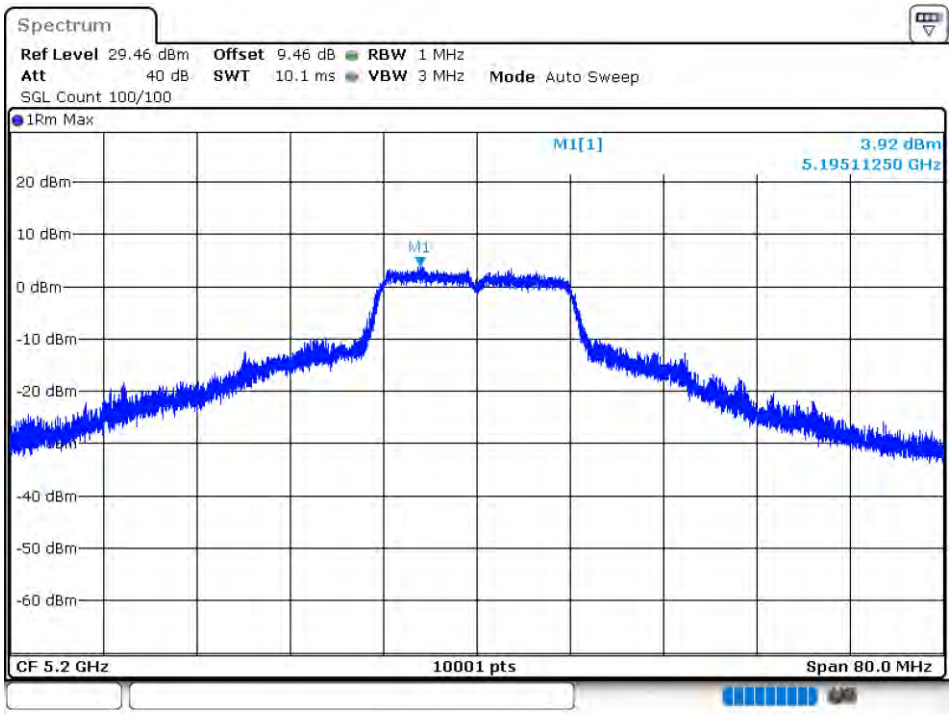
### 5.4 MAXIMUM POWER SPECTRAL DENSITY LEVEL

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | 5.131 | 11 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | 3.915 | 11 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | 3.933 | 11 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | 4.461 | 11 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | 3.624 | 11 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | 4.001 | 11 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -1.095 | 11 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | 0.169 | 11 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | 3.836 | 11 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | 2.542 | 11 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | 2.954 | 11 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -1.02 | 11 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -1.459 | 11 | Pass |

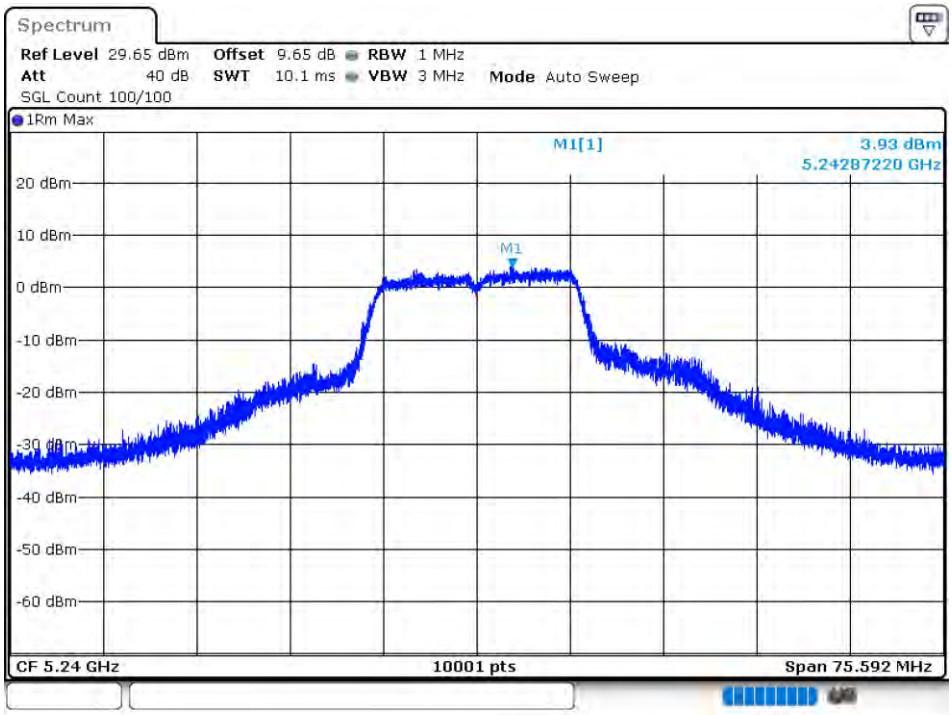
PSD NVNT 802.11a 5180MHz Ant1



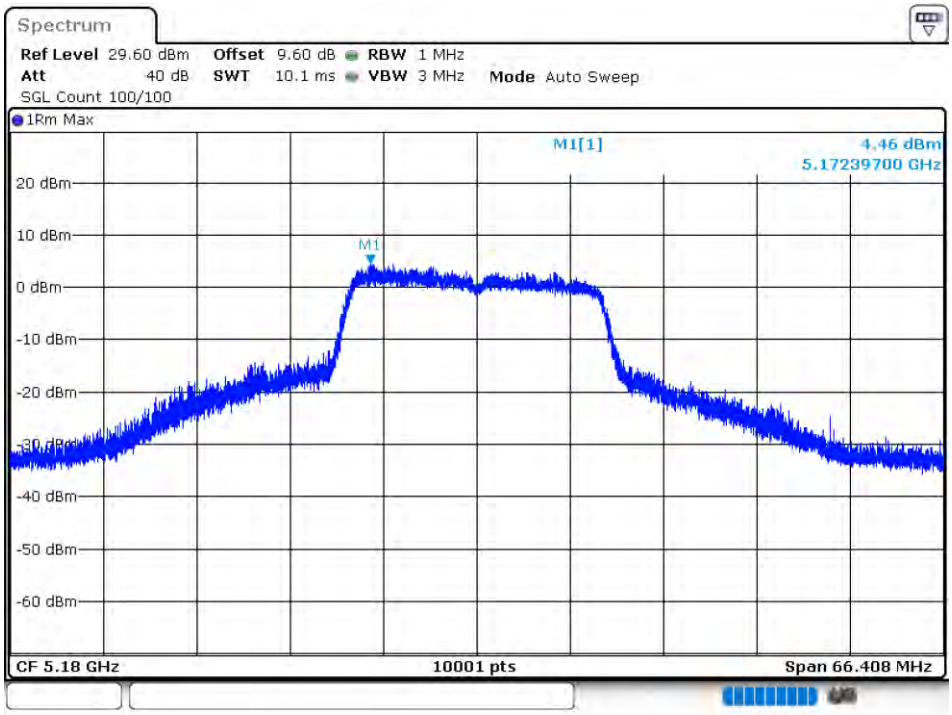
PSD NVNT 802.11a 5200MHz Ant1



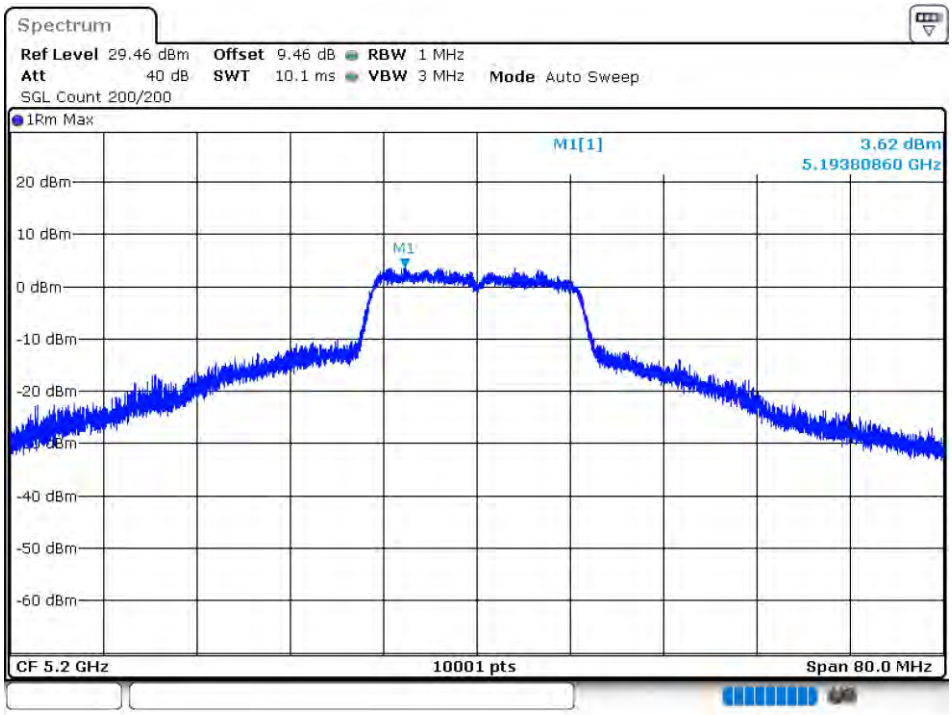

PSD NVNT 802.11a 5240MHz Ant1



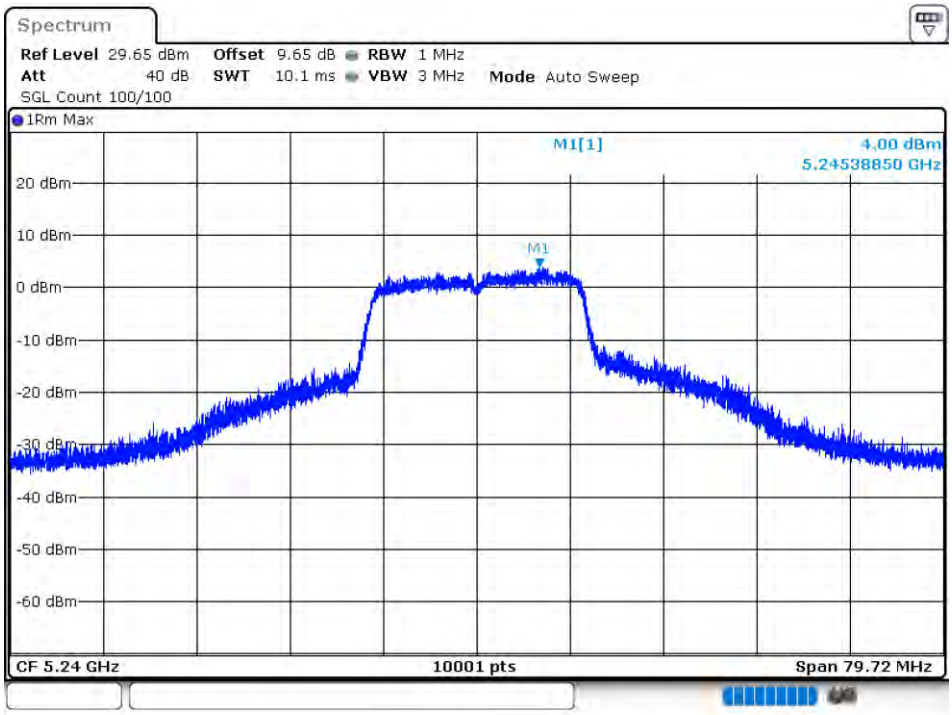
PSD NVNT 802.11ac20 5180MHz Ant1



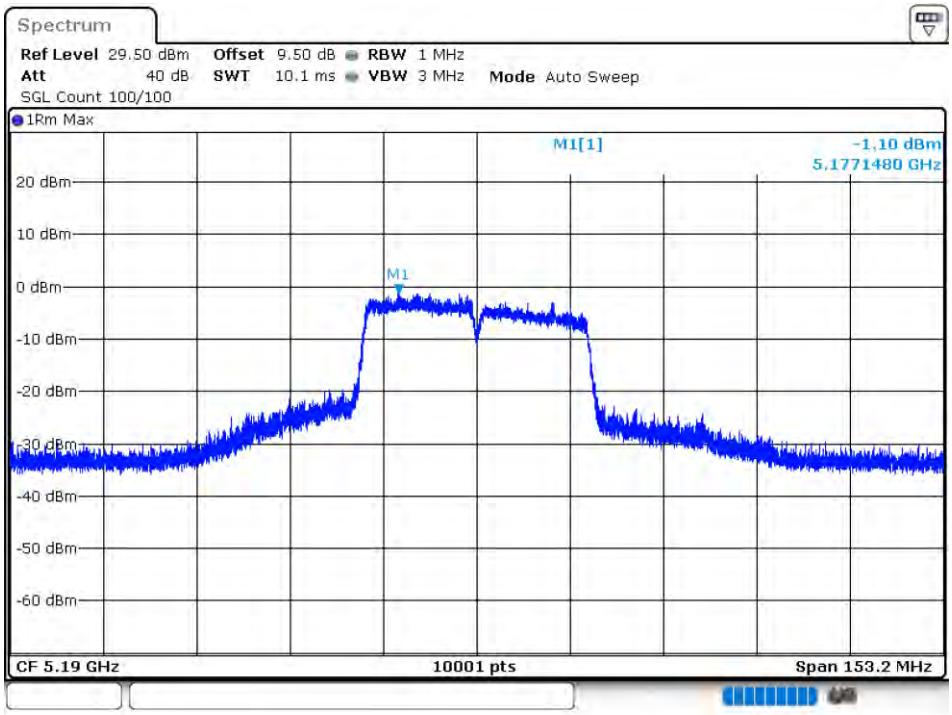

PSD NVNT 802.11ac20 5200MHz Ant1



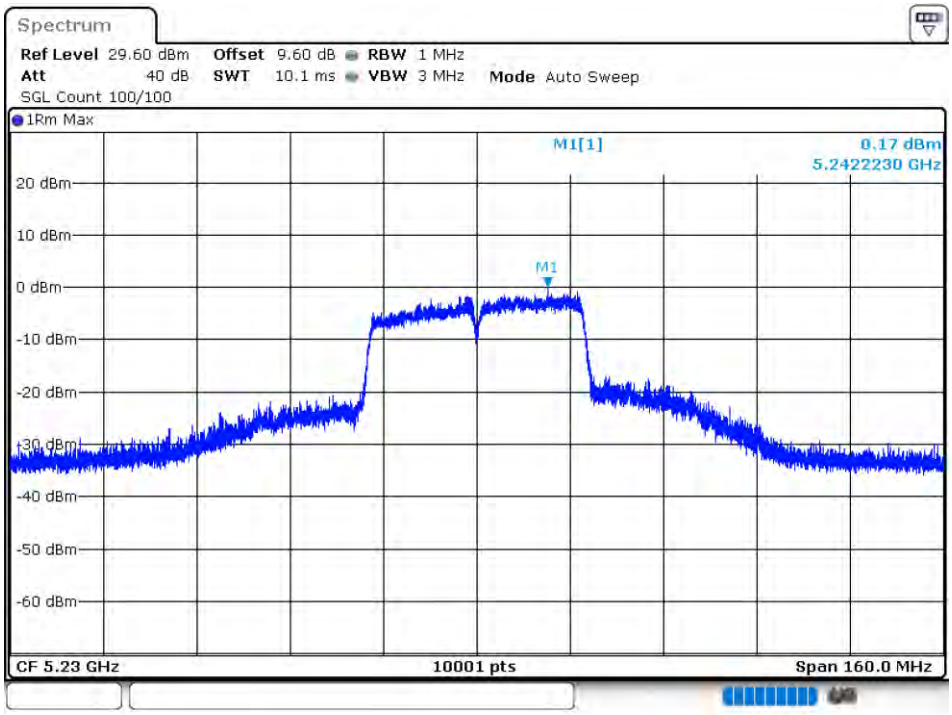
PSD NVNT 802.11ac20 5240MHz Ant1



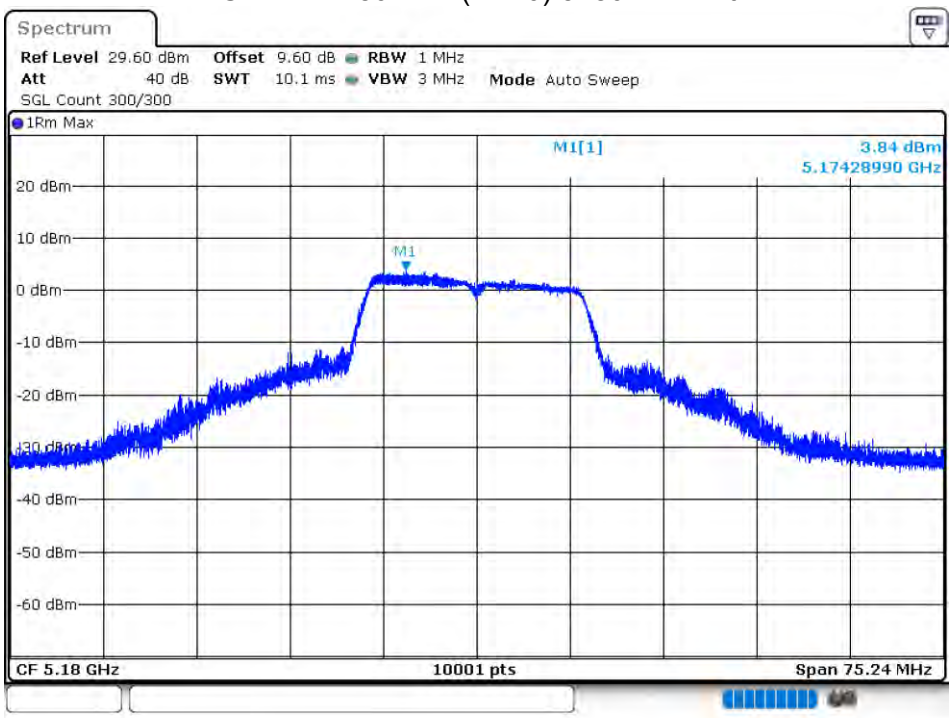

PSD NVNT 802.11ac40 5190MHz Ant1



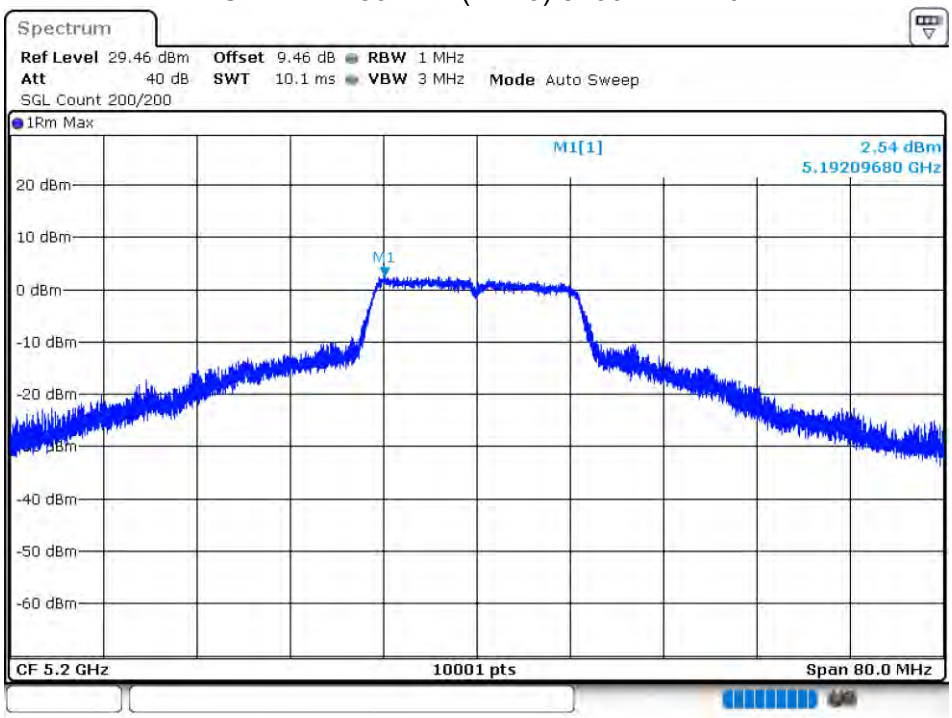
PSD NVNT 802.11ac40 5230MHz Ant1



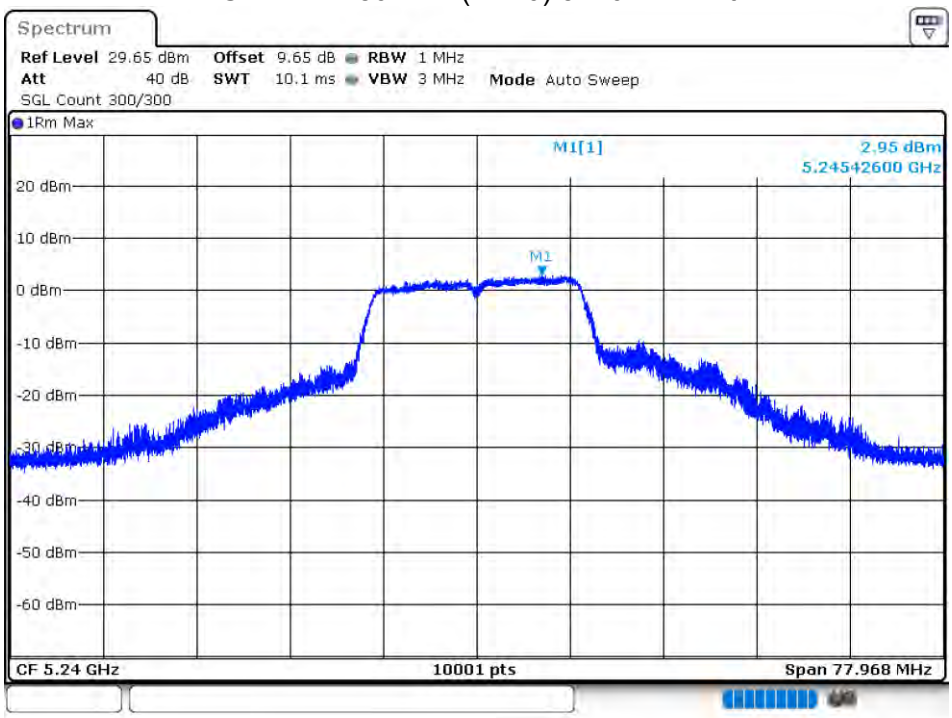

PSD NVNT 802.11n(HT20) 5180MHz Ant1



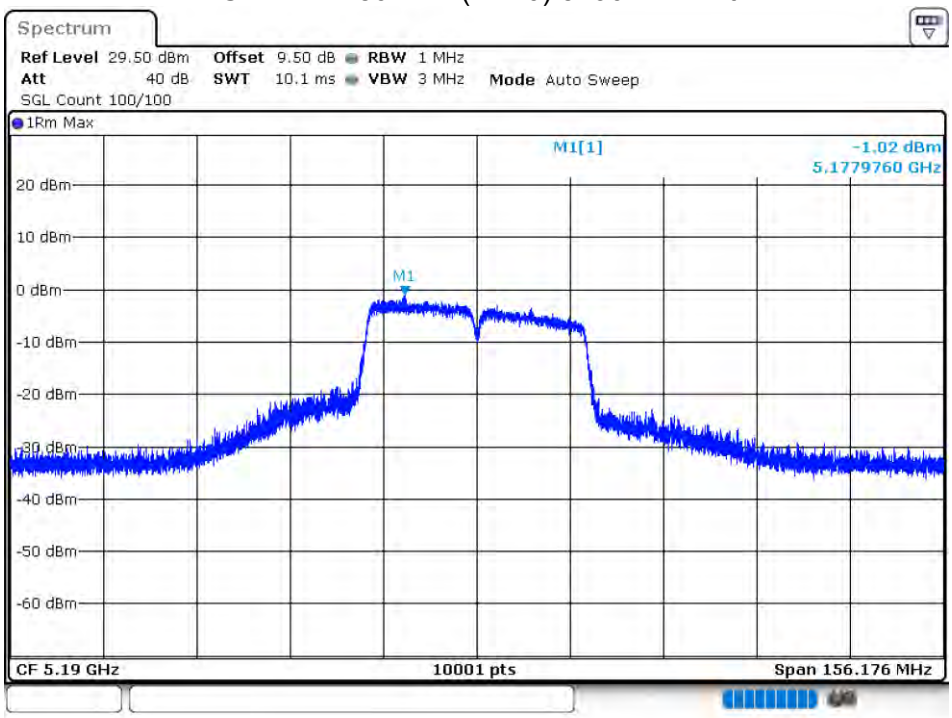
PSD NVNT 802.11n(HT20) 5200MHz Ant1



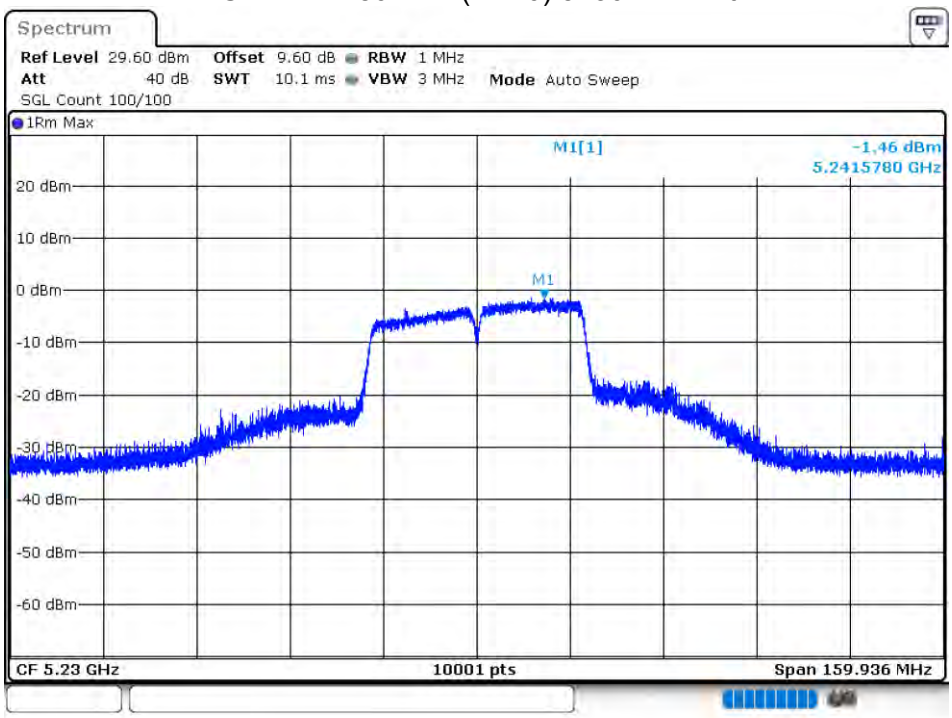

PSD NVNT 802.11n(HT20) 5240MHz Ant1



PSD NVNT 802.11n(HT40) 5190MHz Ant1



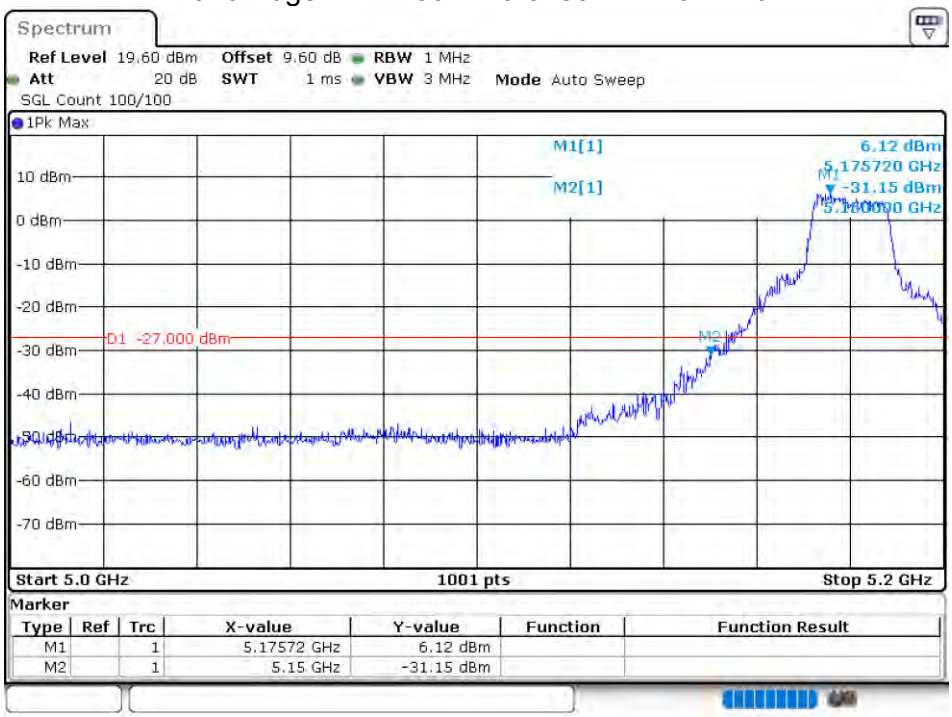

PSD NVNT 802.11n(HT40) 5230MHz Ant1



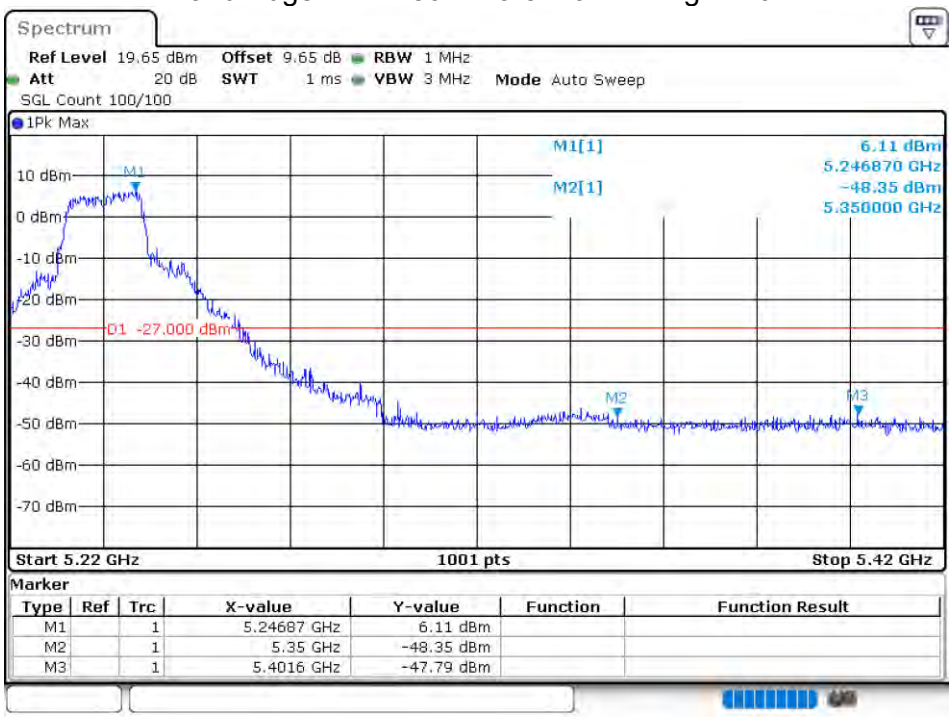
**5.5 BAND EDGE**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | -31.14 | -27 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | -47.79 | -27 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | -30.95 | -27 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | -46.95 | -27 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -27.53 | -27 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | -46.78 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | -29.11 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | -47.17 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -27.48 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -48.39 | -27 | Pass |

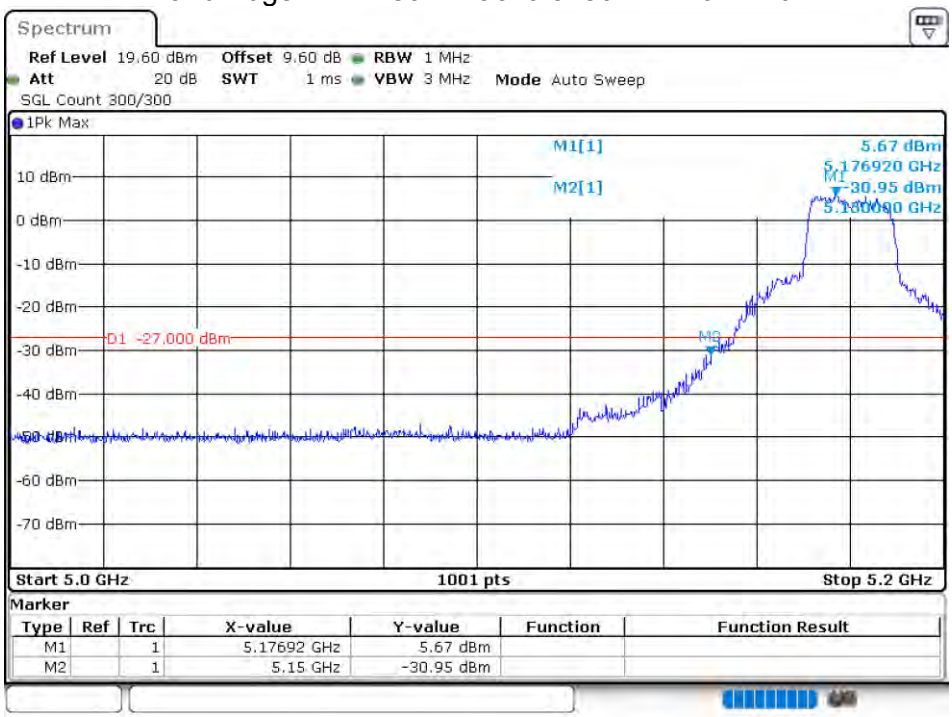
Band Edge NVNT 802.11a 5180MHz Low Ant1



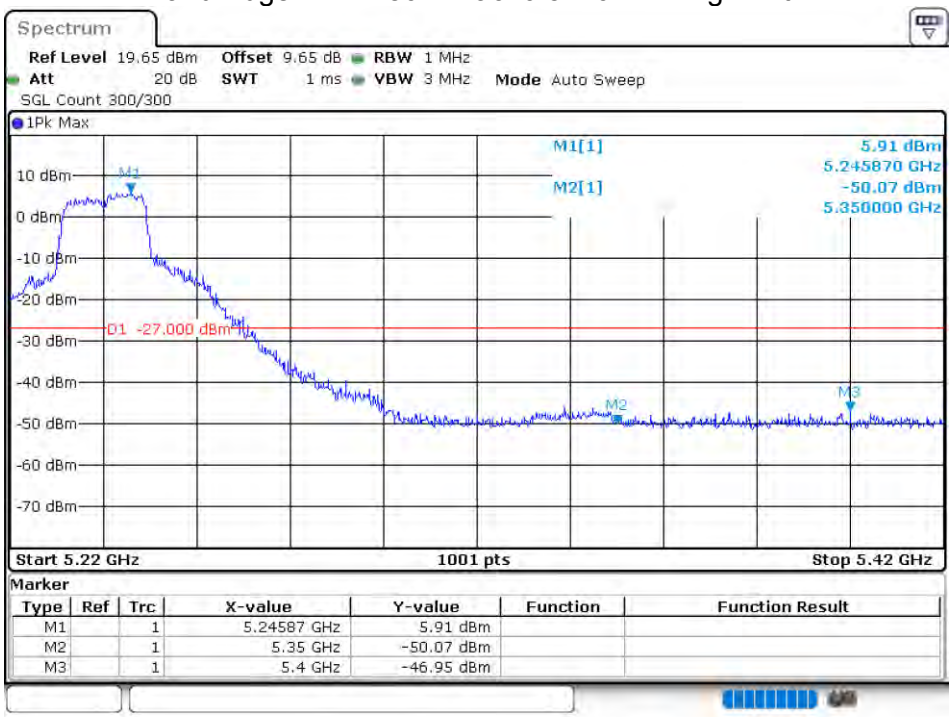
Band Edge NVNT 802.11a 5240MHz High Ant1



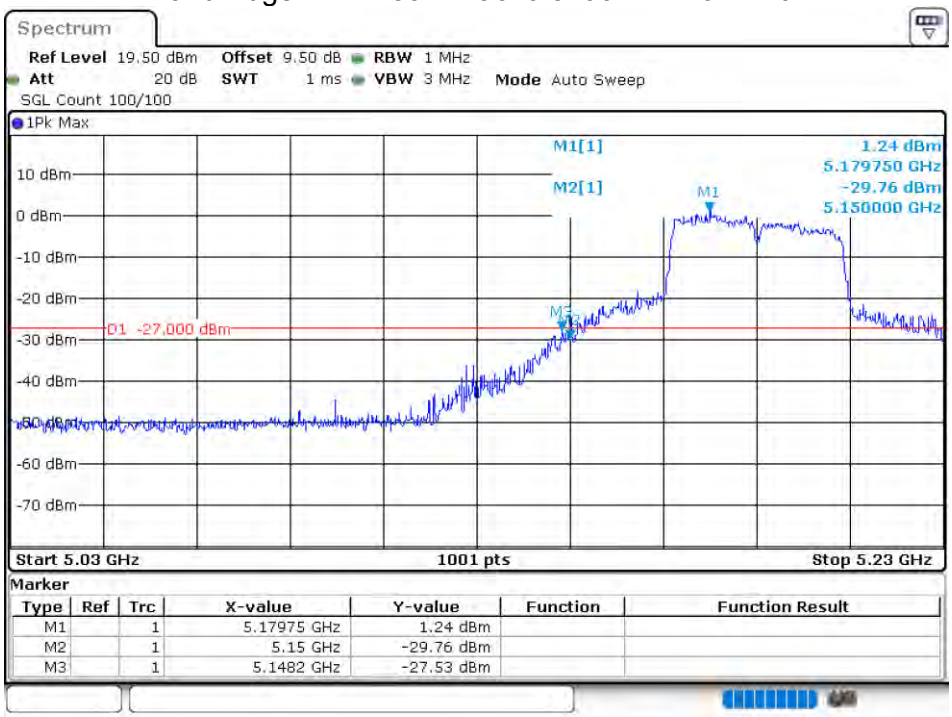

Band Edge NVNT 802.11ac20 5180MHz Low Ant1



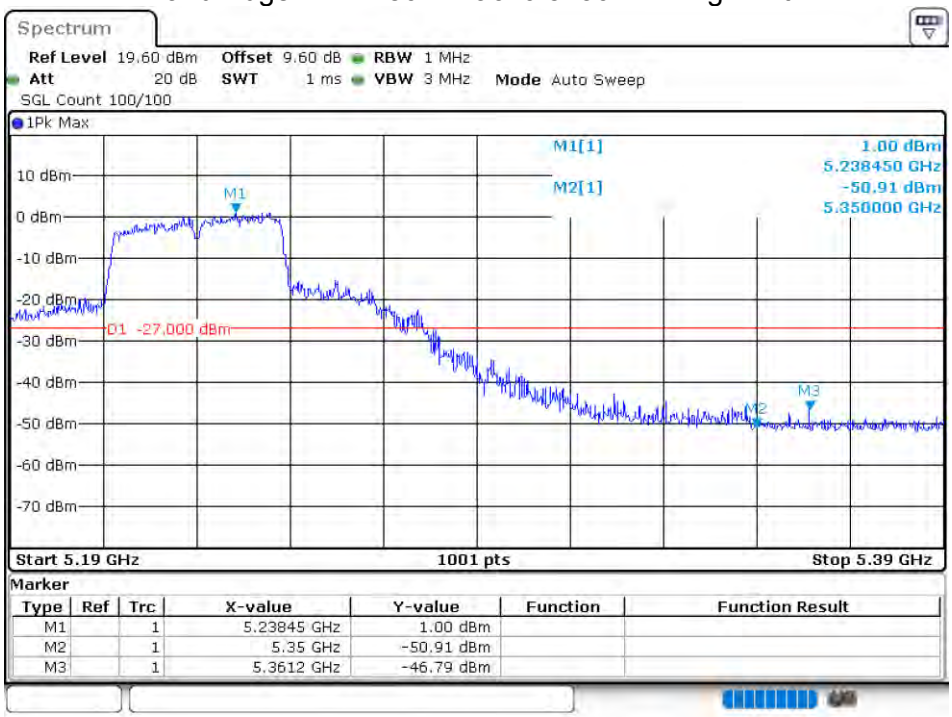
Band Edge NVNT 802.11ac20 5240MHz High Ant1



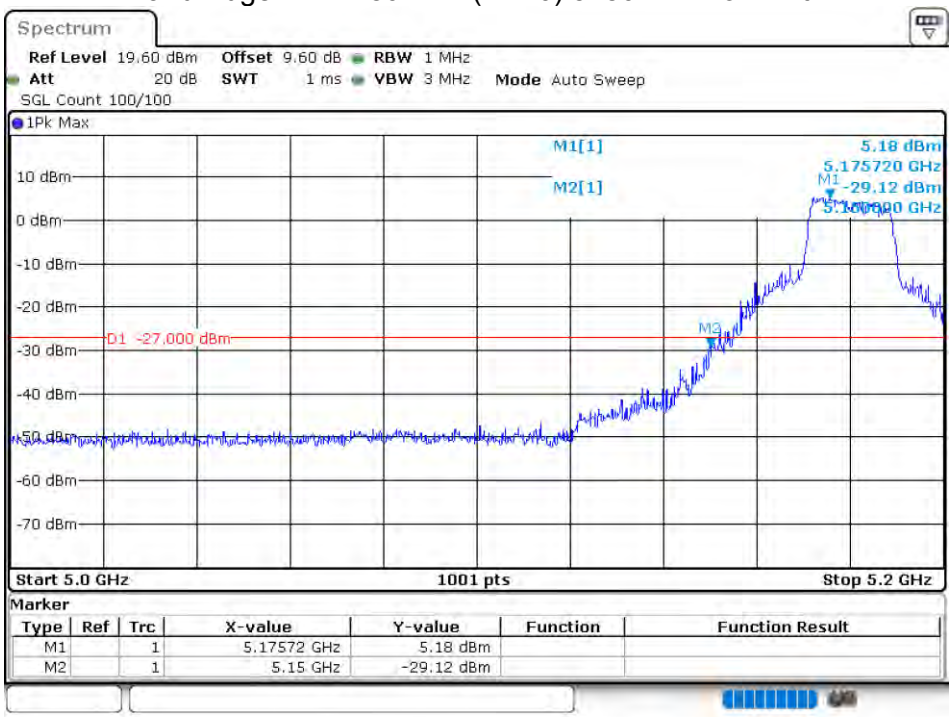

Band Edge NVNT 802.11ac40 5190MHz Low Ant1



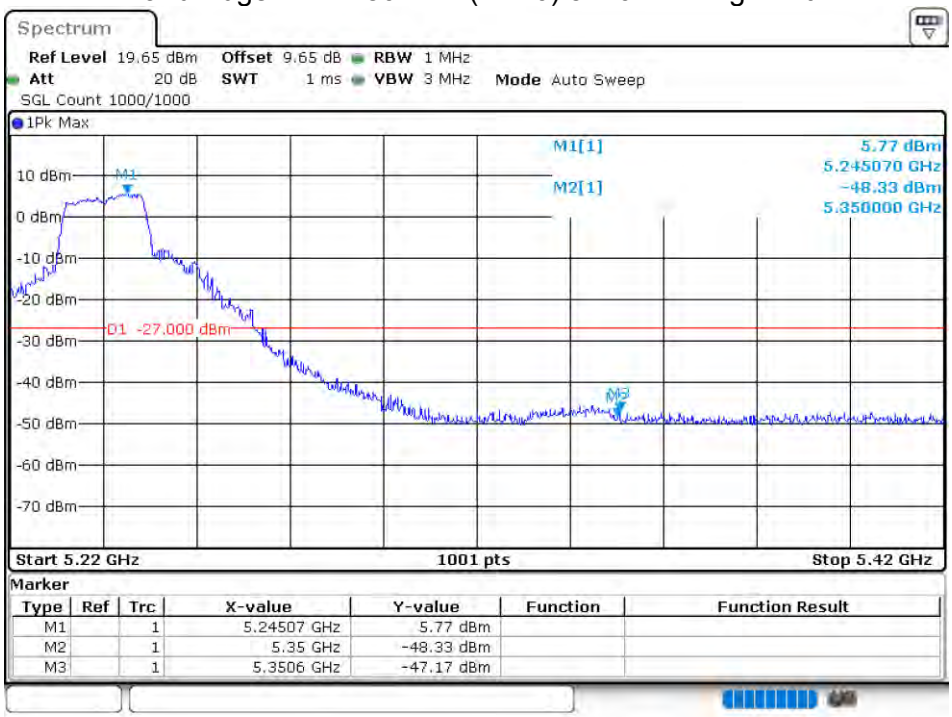
Band Edge NVNT 802.11ac40 5230MHz High Ant1



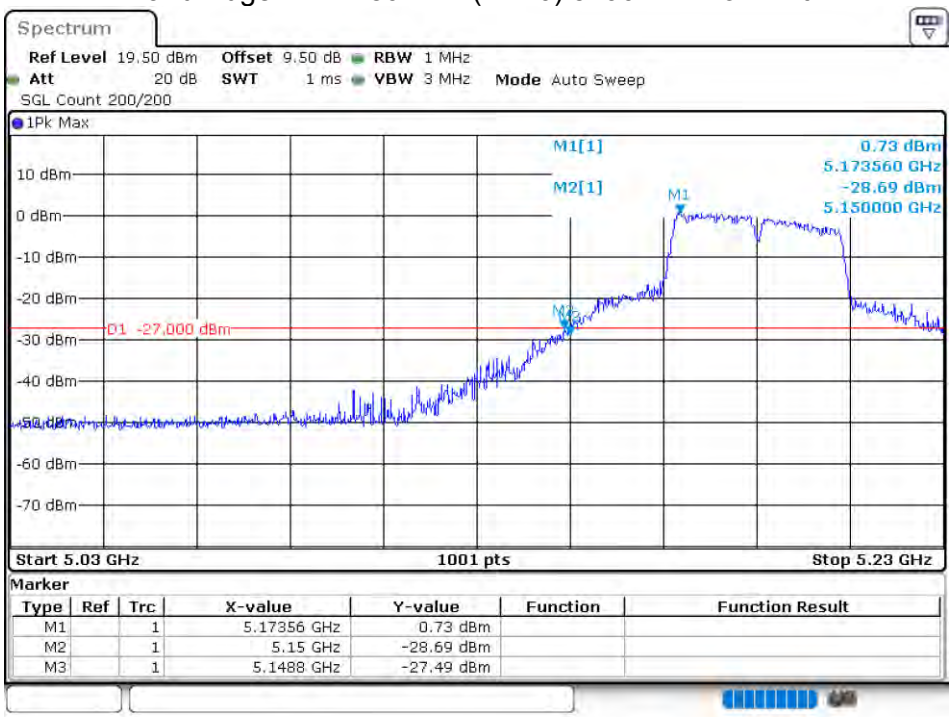

Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1



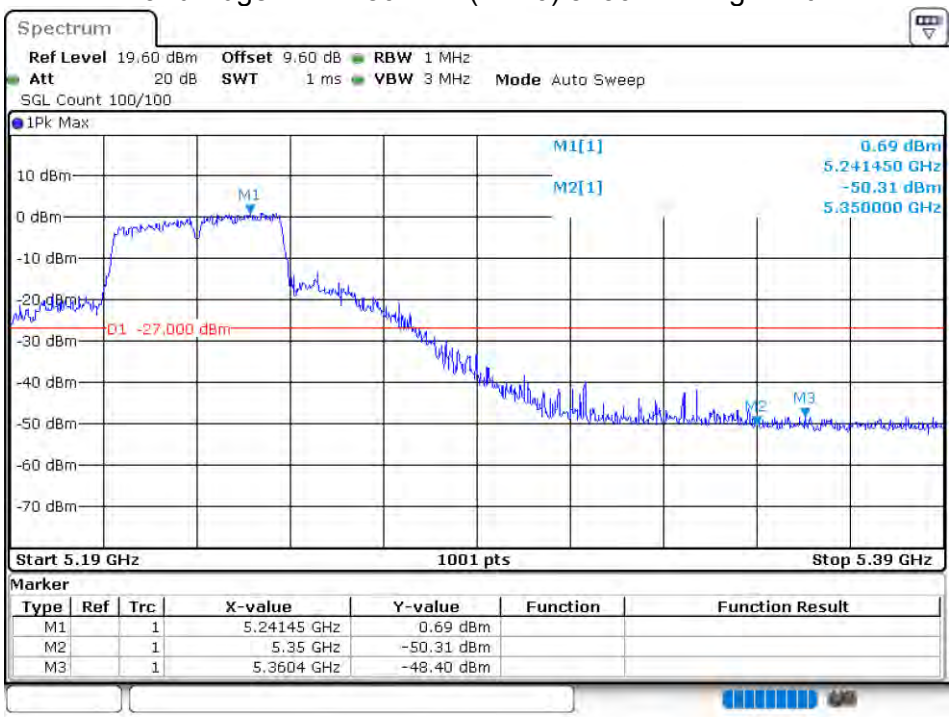
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1




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



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



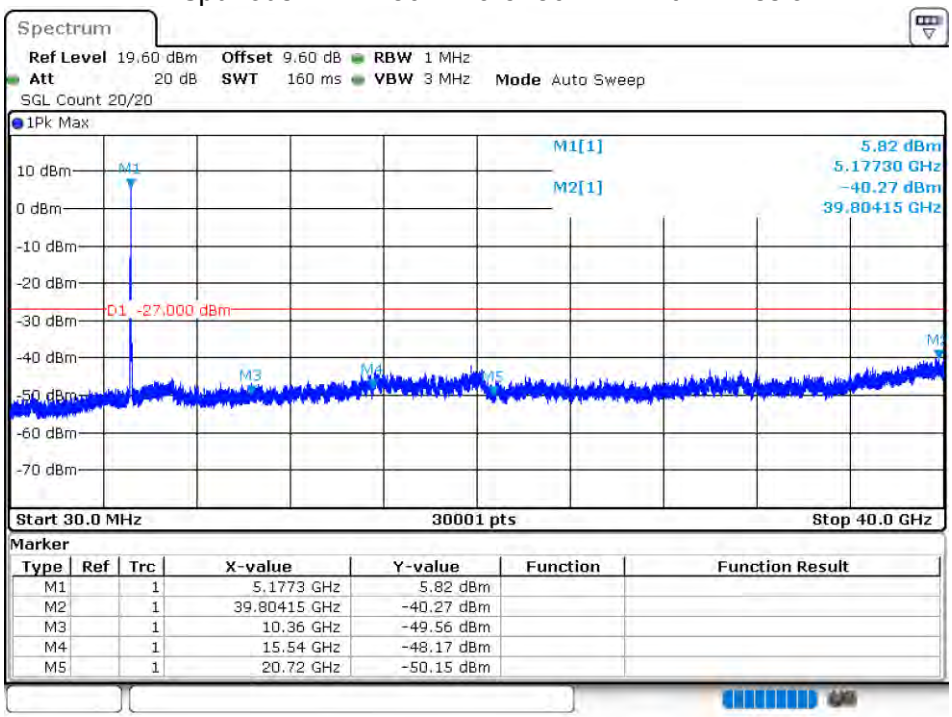

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.24145 GHz | 0.69 dBm | | |
| M2 | | 1 | 5.35 GHz | -50.31 dBm | | |
| M3 | | 1 | 5.3604 GHz | -48.40 dBm | | |

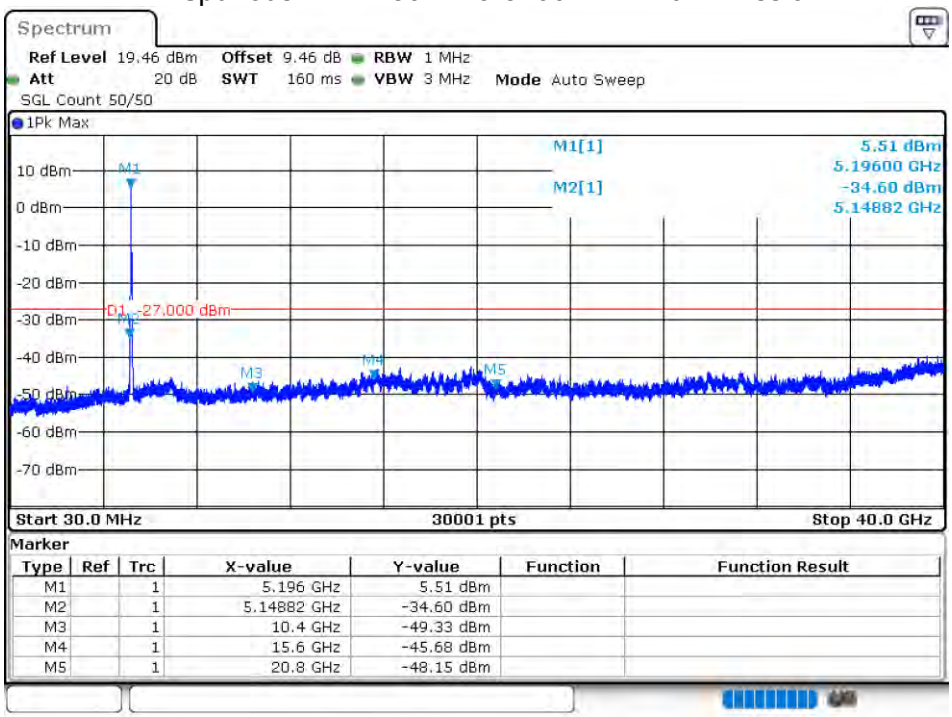
**5.6 CONDUCTED RF SPURIOUS EMISSION**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | -40.26 | -27 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | -34.6 | -27 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | -39.29 | -27 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | -40.61 | -27 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | -32.19 | -27 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | -40.3 | -27 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -40.8 | -27 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | -40.26 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | -39.7 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | -33.58 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | -39.68 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -40.91 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -40.3 | -27 | Pass |

Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



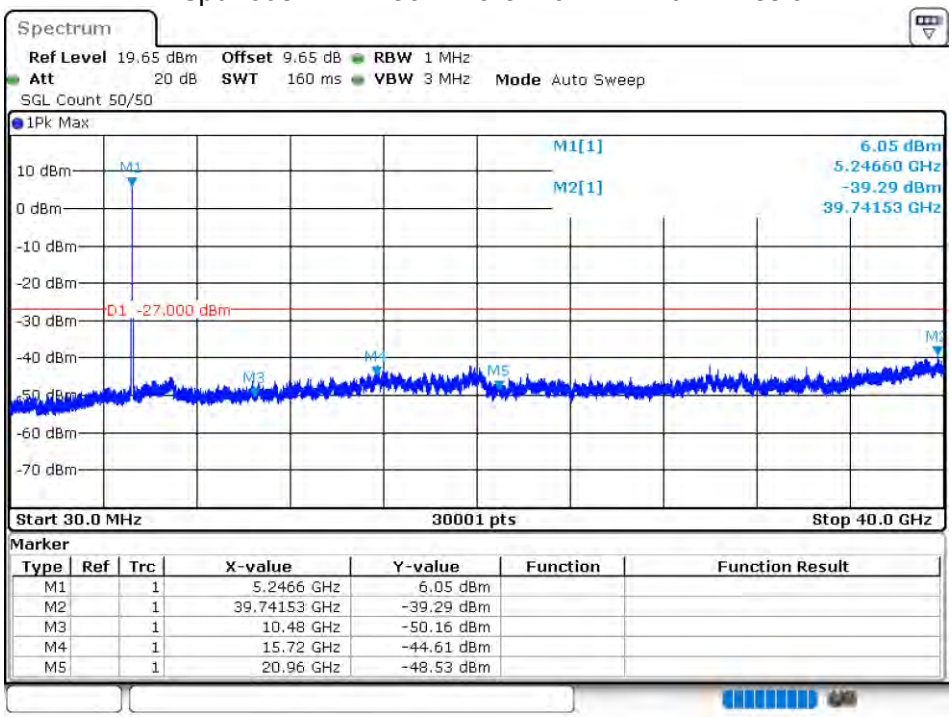
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.196 GHz | 5.51 dBm | | |
| M2 | | 1 | 5.14882 GHz | -34.60 dBm | | |
| M3 | | 1 | 10.4 GHz | -49.33 dBm | | |
| M4 | | 1 | 15.6 GHz | -45.68 dBm | | |
| M5 | | 1 | 20.8 GHz | -48.15 dBm | | |

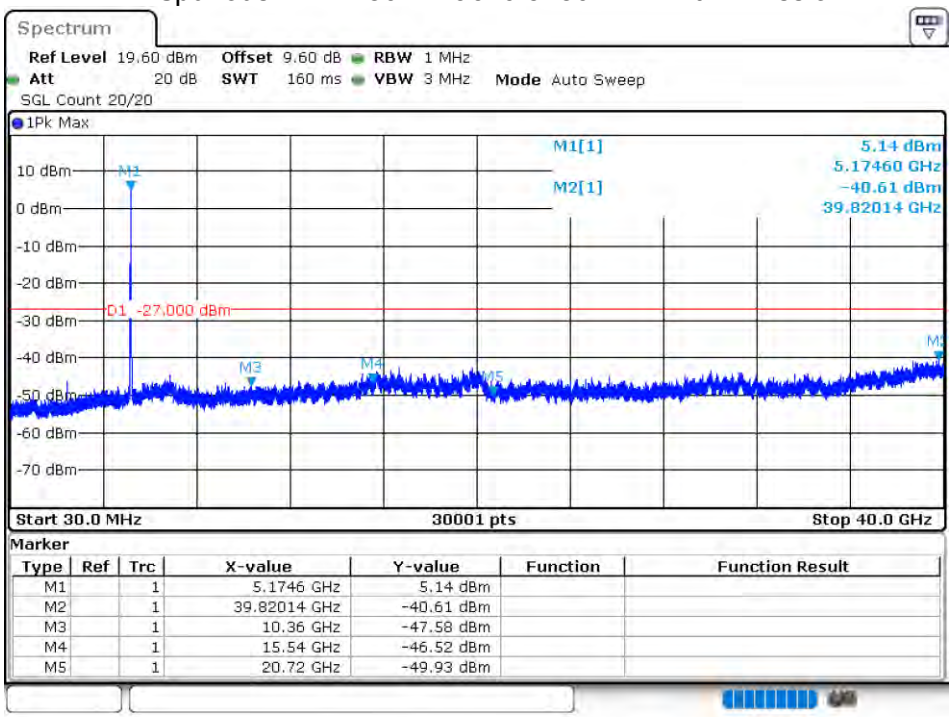
Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2466 GHz | 6.05 dBm | | |
| M2 | | 1 | 39.74153 GHz | -39.29 dBm | | |
| M3 | | 1 | 10.48 GHz | -50.16 dBm | | |
| M4 | | 1 | 15.72 GHz | -44.61 dBm | | |
| M5 | | 1 | 20.96 GHz | -48.53 dBm | | |

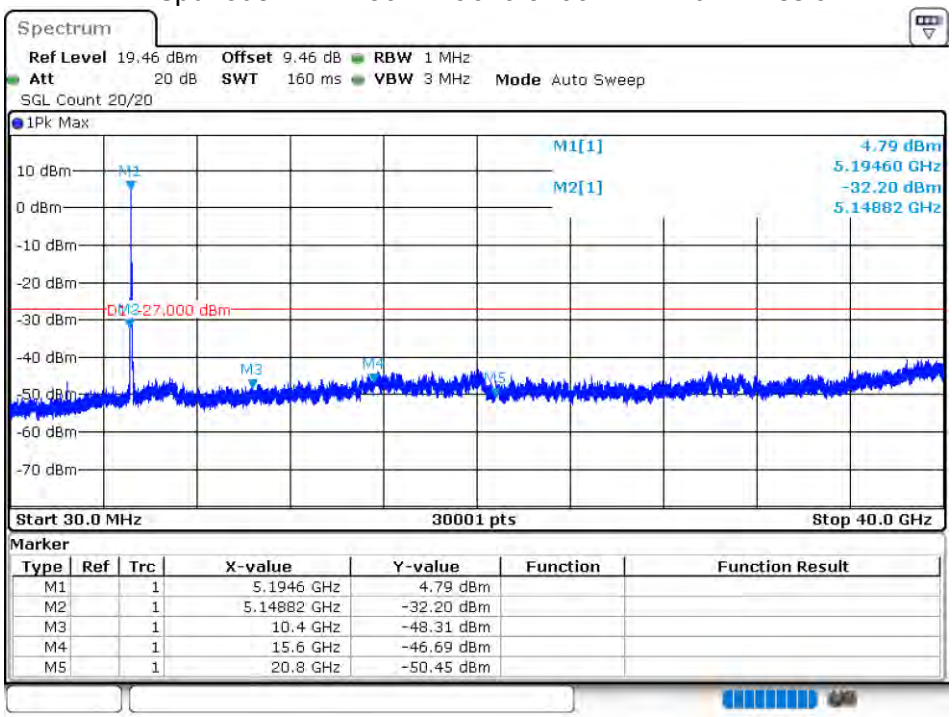
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1746 GHz | 5.14 dBm | | |
| M2 | | 1 | 39.82014 GHz | -40.61 dBm | | |
| M3 | | 1 | 10.36 GHz | -47.58 dBm | | |
| M4 | | 1 | 15.54 GHz | -46.52 dBm | | |
| M5 | | 1 | 20.72 GHz | -49.93 dBm | | |

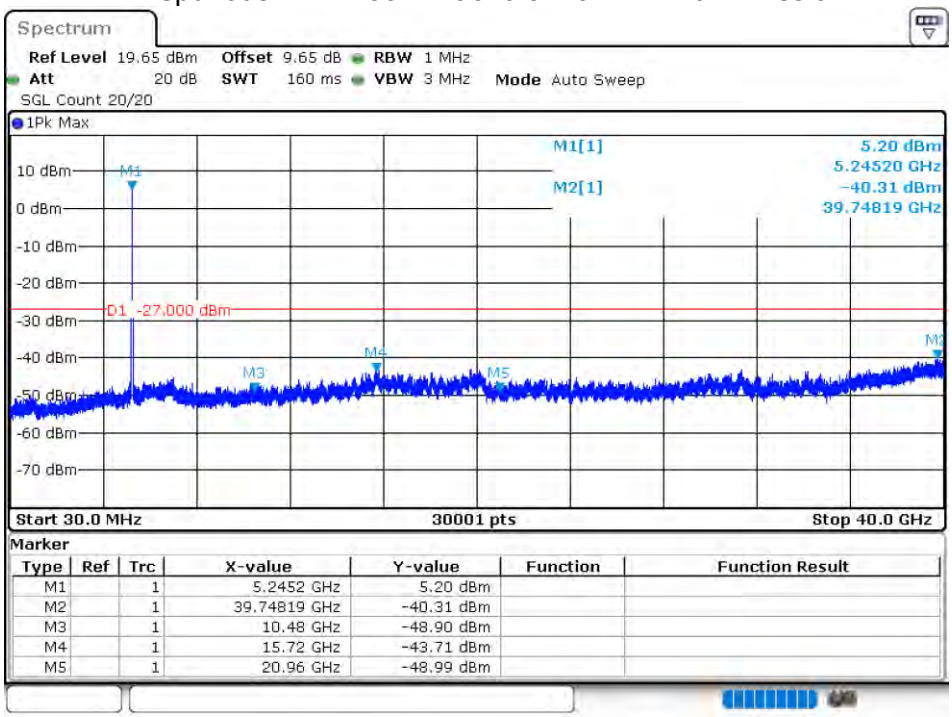
Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1946 GHz | 4.79 dBm | | |
| M2 | | 1 | 5.14882 GHz | -32.20 dBm | | |
| M3 | | 1 | 10.4 GHz | -48.31 dBm | | |
| M4 | | 1 | 15.6 GHz | -46.69 dBm | | |
| M5 | | 1 | 20.8 GHz | -50.45 dBm | | |

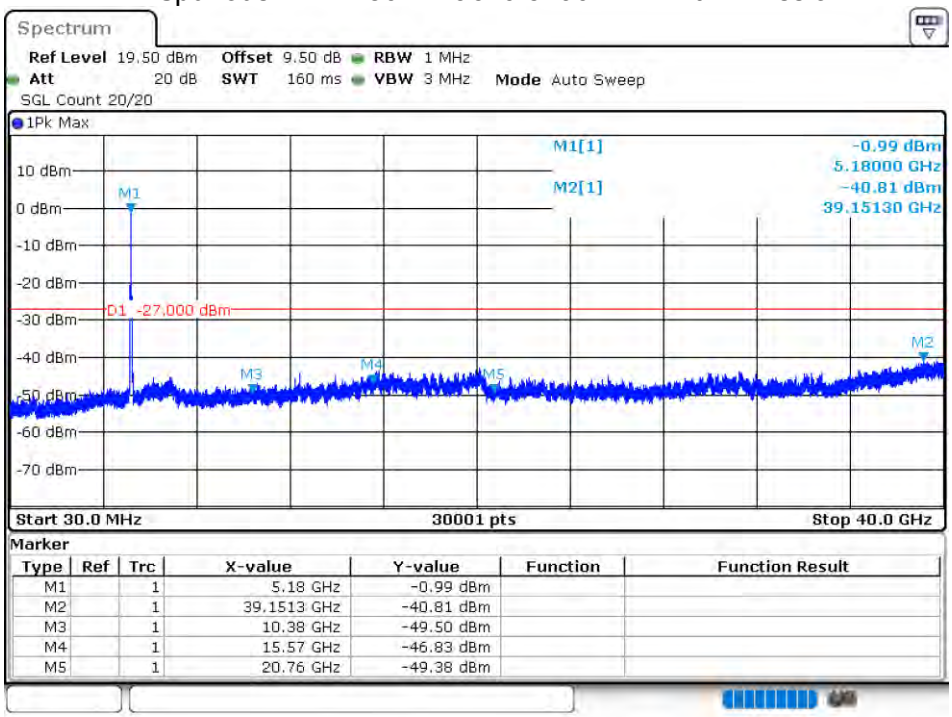
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2452 GHz | 5.20 dBm | | |
| M2 | | 1 | 39.74819 GHz | -40.31 dBm | | |
| M3 | | 1 | 10.48 GHz | -48.90 dBm | | |
| M4 | | 1 | 15.72 GHz | -43.71 dBm | | |
| M5 | | 1 | 20.96 GHz | -48.99 dBm | | |

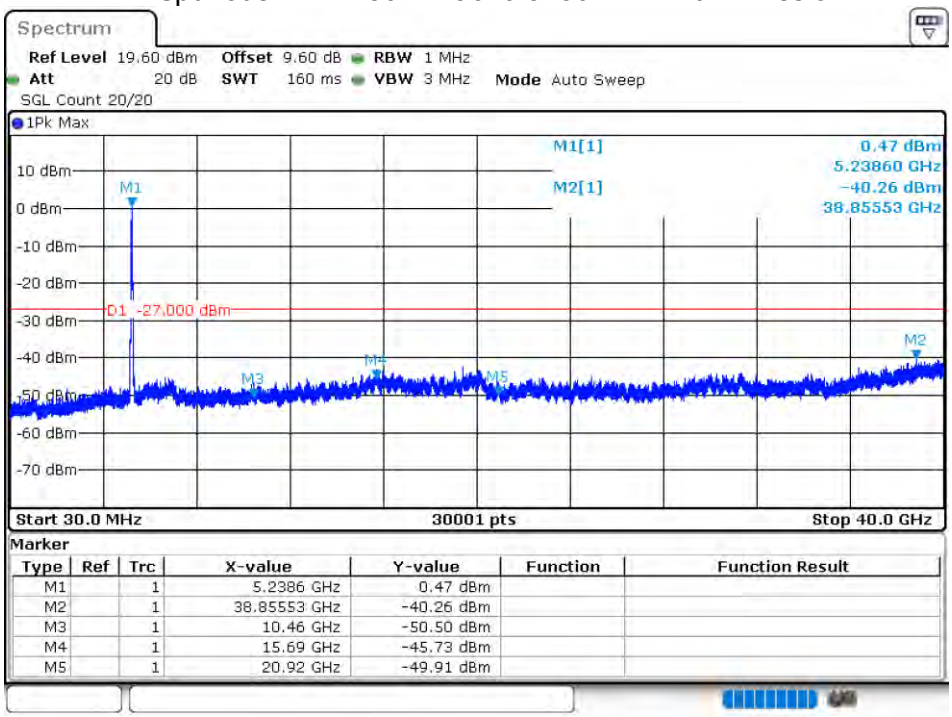
Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.18 GHz | -0.99 dBm | | |
| M2 | | 1 | 39.1513 GHz | -40.81 dBm | | |
| M3 | | 1 | 10.38 GHz | -49.50 dBm | | |
| M4 | | 1 | 15.57 GHz | -46.83 dBm | | |
| M5 | | 1 | 20.76 GHz | -49.38 dBm | | |

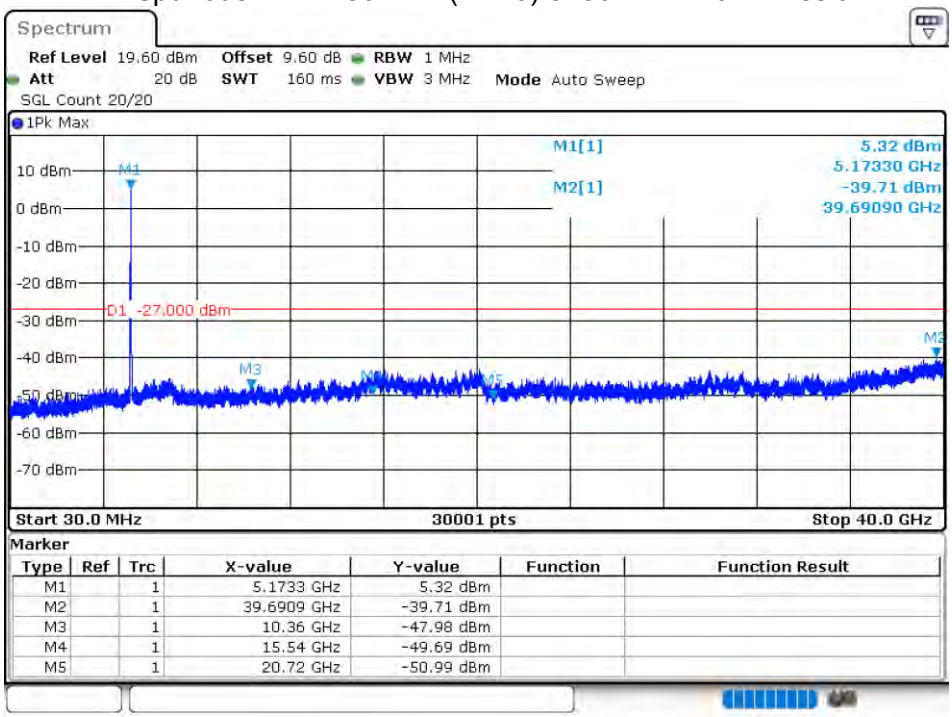
Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2386 GHz | 0.47 dBm | | |
| M2 | | 1 | 38.85553 GHz | -40.26 dBm | | |
| M3 | | 1 | 10.46 GHz | -50.50 dBm | | |
| M4 | | 1 | 15.69 GHz | -45.73 dBm | | |
| M5 | | 1 | 20.92 GHz | -49.91 dBm | | |

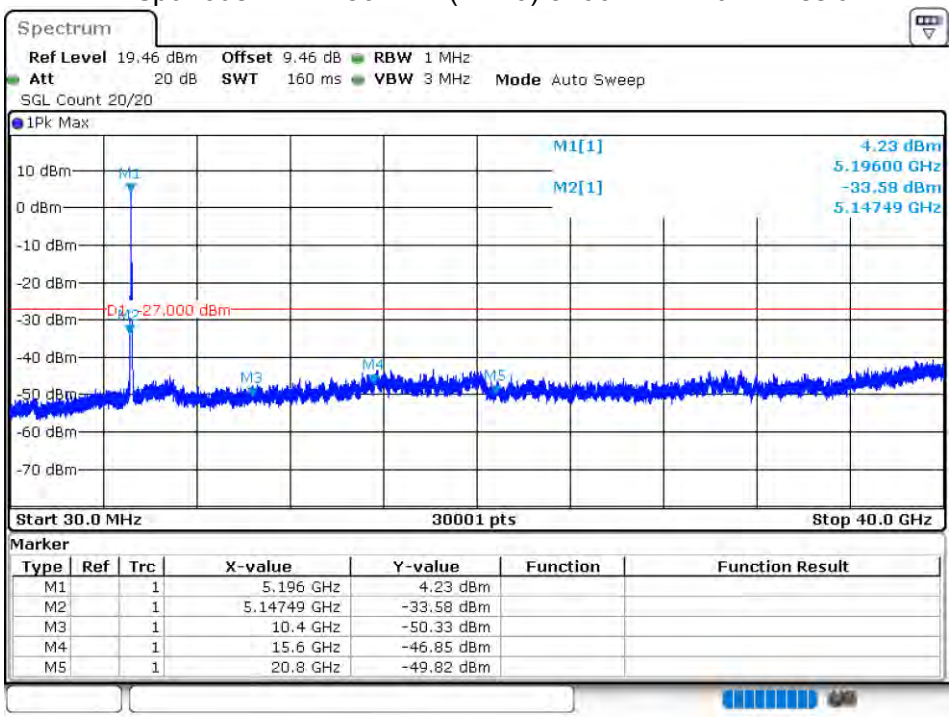
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1733 GHz | 5.32 dBm | | |
| M2 | | 1 | 39.6909 GHz | -39.71 dBm | | |
| M3 | | 1 | 10.36 GHz | -47.98 dBm | | |
| M4 | | 1 | 15.54 GHz | -49.69 dBm | | |
| M5 | | 1 | 20.72 GHz | -50.99 dBm | | |

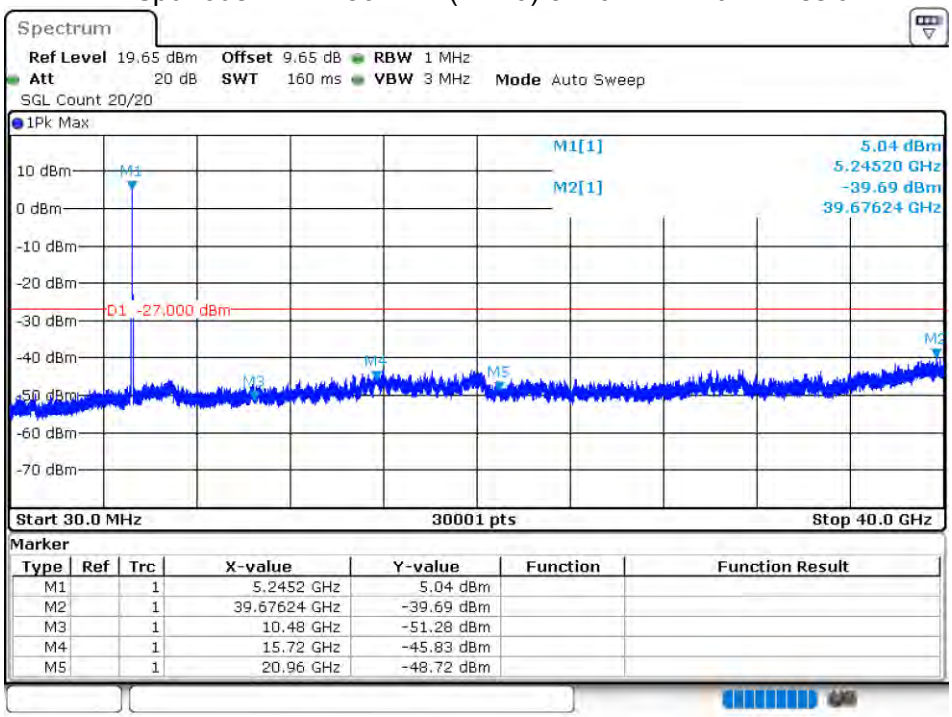
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.196 GHz | 4.23 dBm | | |
| M2 | | 1 | 5.14749 GHz | -33.58 dBm | | |
| M3 | | 1 | 10.4 GHz | -50.33 dBm | | |
| M4 | | 1 | 15.6 GHz | -46.85 dBm | | |
| M5 | | 1 | 20.8 GHz | -49.82 dBm | | |

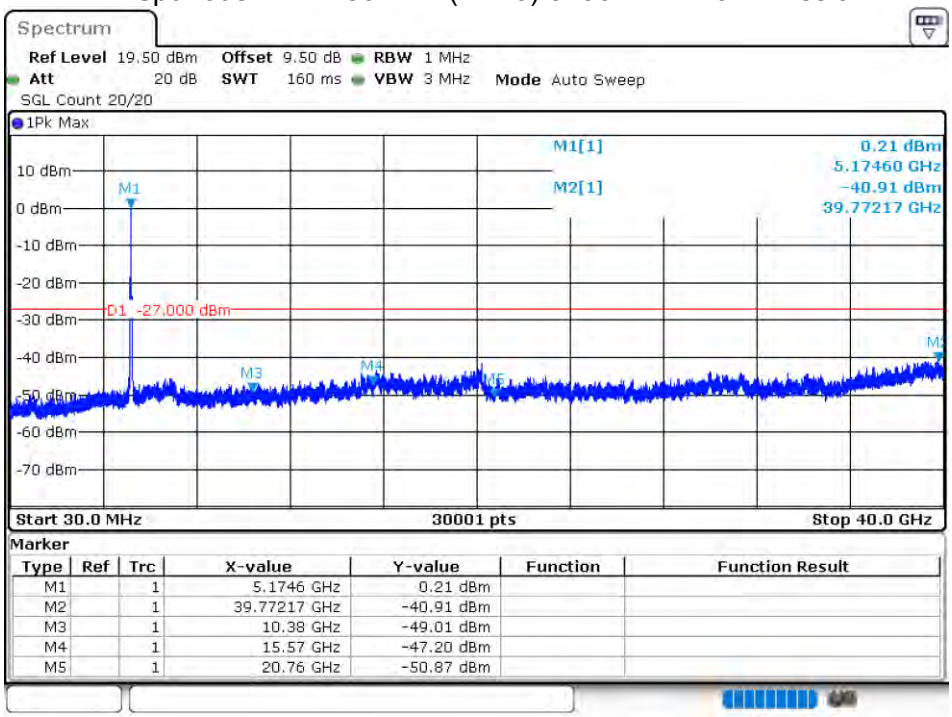
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2452 GHz | 5.04 dBm | | |
| M2 | | 1 | 39.67624 GHz | -39.69 dBm | | |
| M3 | | 1 | 10.48 GHz | -51.28 dBm | | |
| M4 | | 1 | 15.72 GHz | -45.83 dBm | | |
| M5 | | 1 | 20.96 GHz | -48.72 dBm | | |

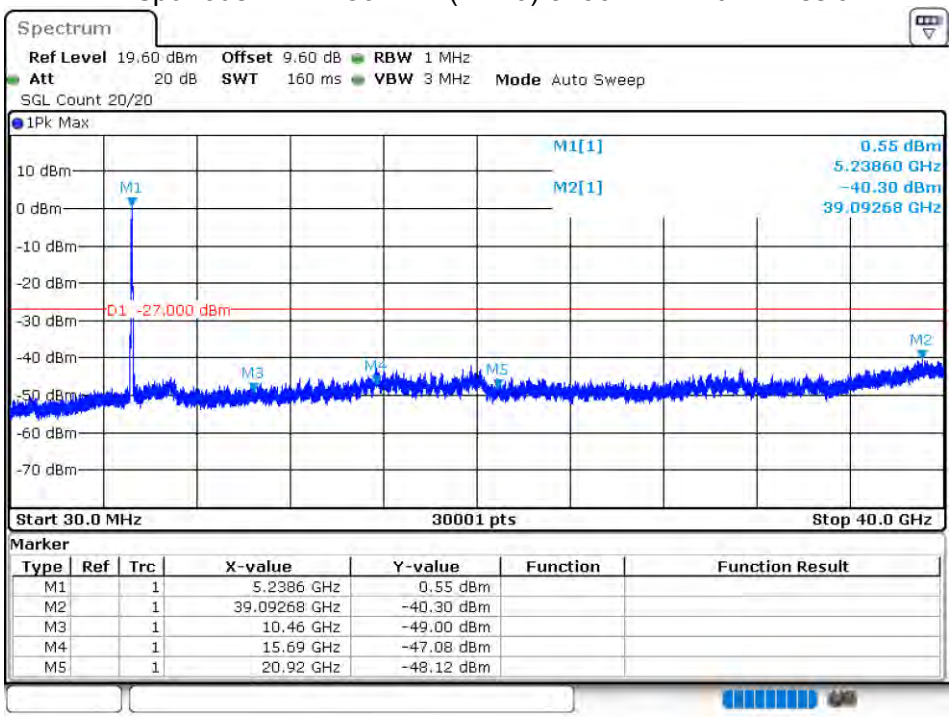
Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1746 GHz | 0.21 dBm | | |
| M2 | | 1 | 39.77217 GHz | -40.91 dBm | | |
| M3 | | 1 | 10.38 GHz | -49.01 dBm | | |
| M4 | | 1 | 15.57 GHz | -47.20 dBm | | |
| M5 | | 1 | 20.76 GHz | -50.87 dBm | | |

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




Marker

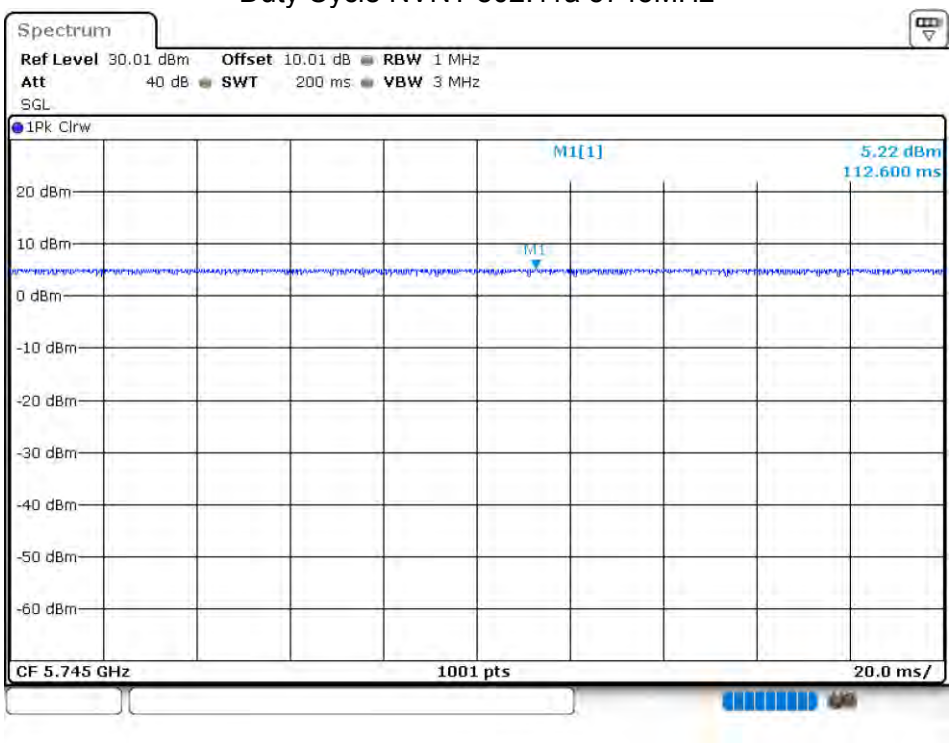
| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2386 GHz | 0.55 dBm | | |
| M2 | | 1 | 39.09268 GHz | -40.30 dBm | | |
| M3 | | 1 | 10.46 GHz | -49.00 dBm | | |
| M4 | | 1 | 15.69 GHz | -47.08 dBm | | |
| M5 | | 1 | 20.92 GHz | -48.12 dBm | | |

5.8G

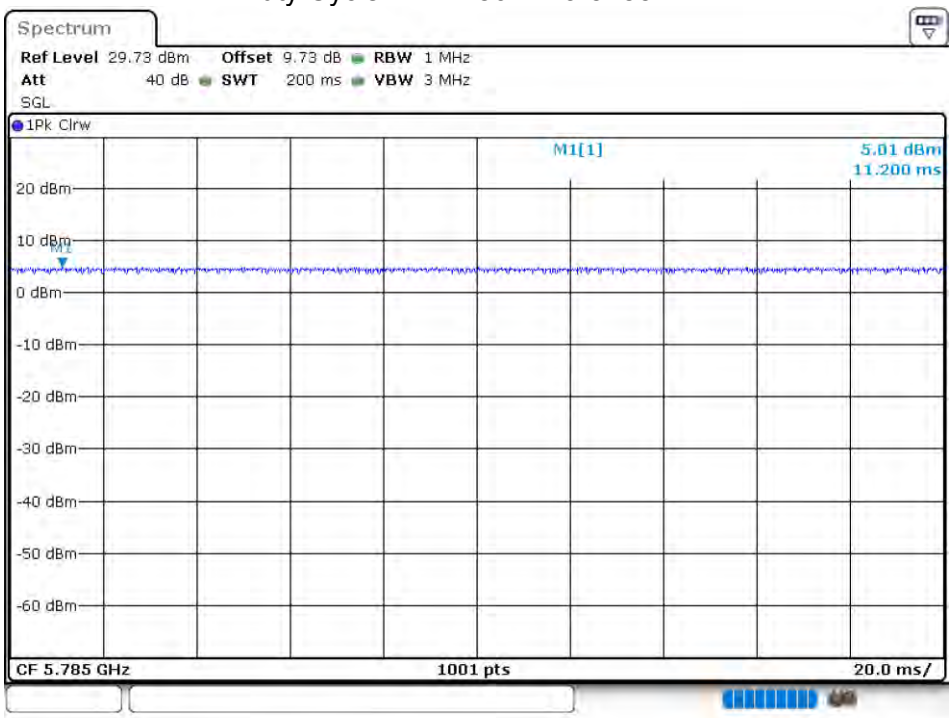
**5.7 DUTY CYCLE**

| 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 | 802.11n(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 |

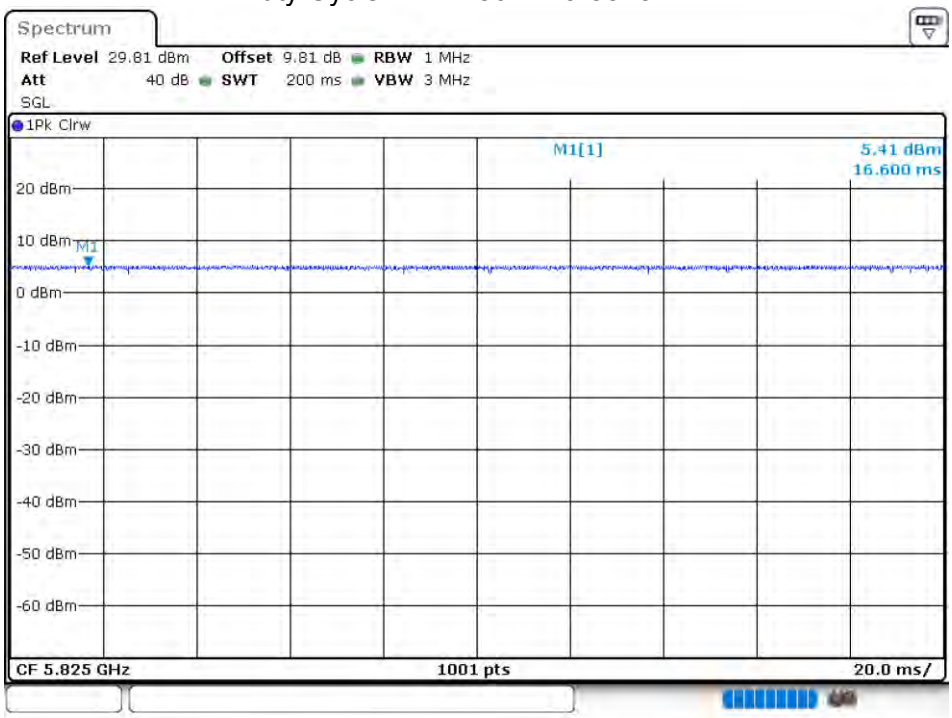
Duty Cycle NVNT 802.11a 5745MHz



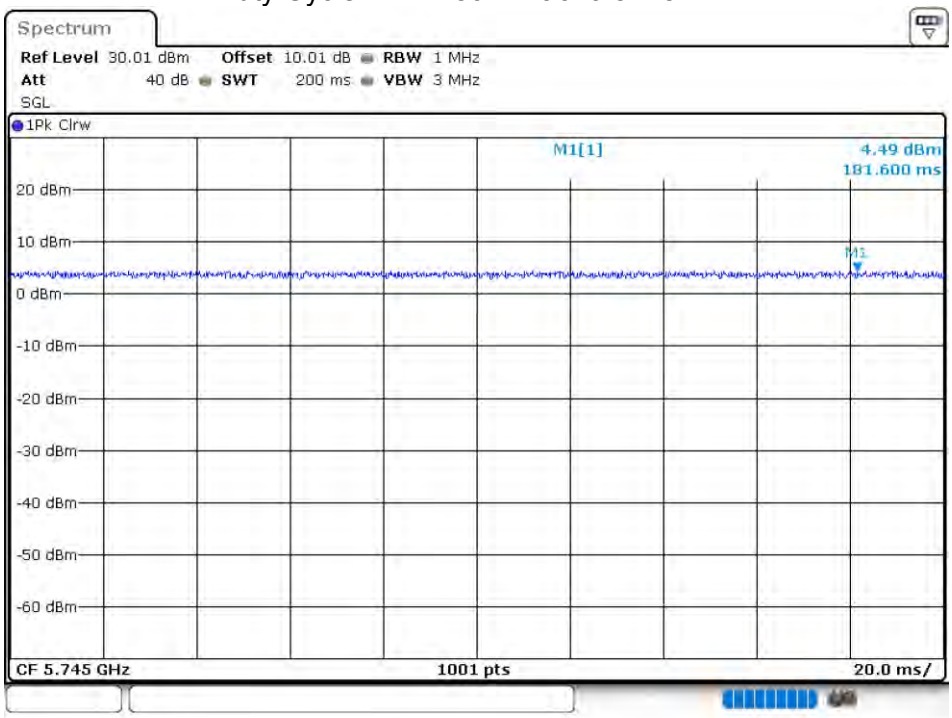
Duty Cycle NVNT 802.11a 5785MHz



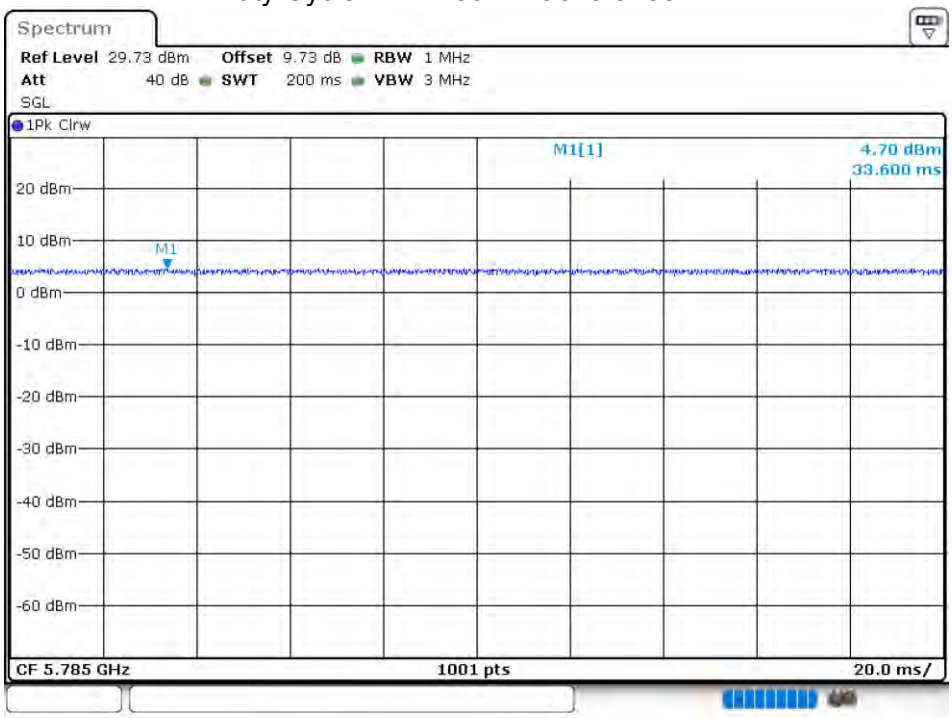

Duty Cycle NVNT 802.11a 5825MHz



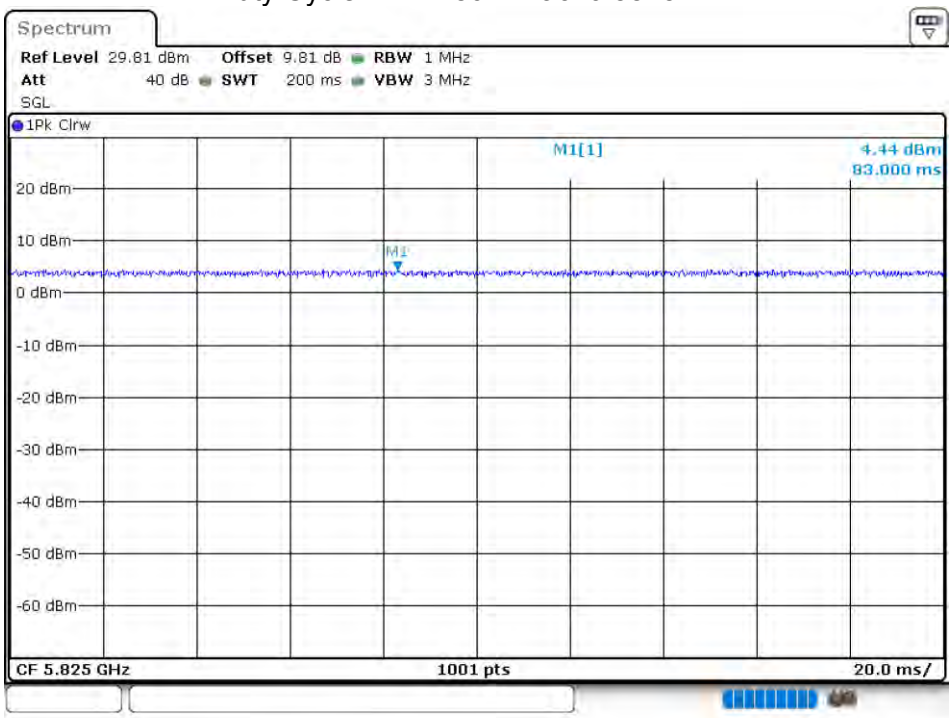
Duty Cycle NVNT 802.11ac20 5745MHz



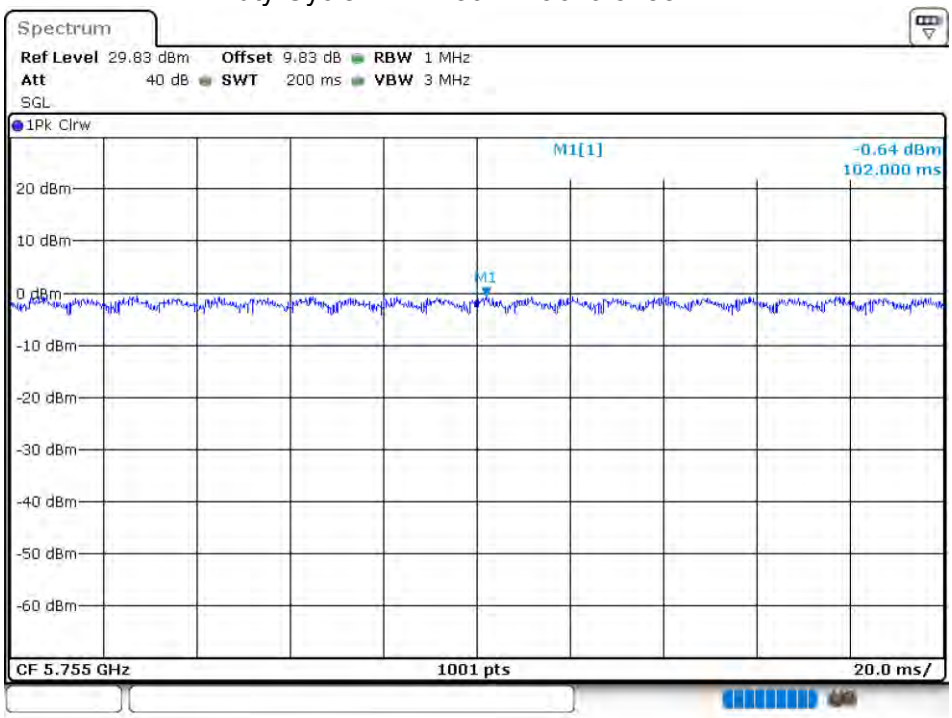

Duty Cycle NVNT 802.11ac20 5785MHz



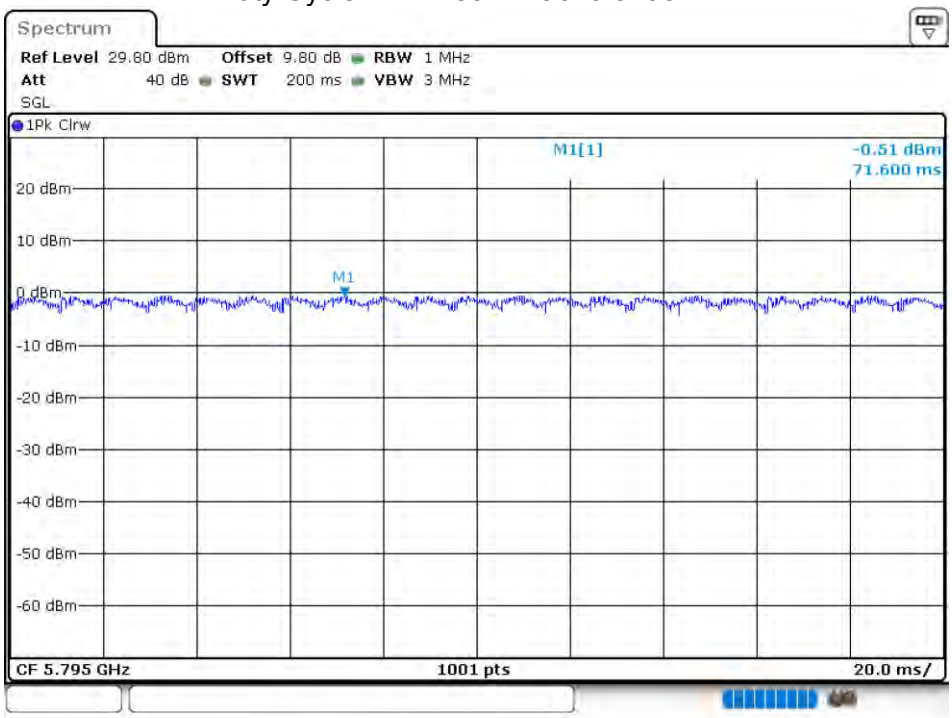
Duty Cycle NVNT 802.11ac20 5825MHz



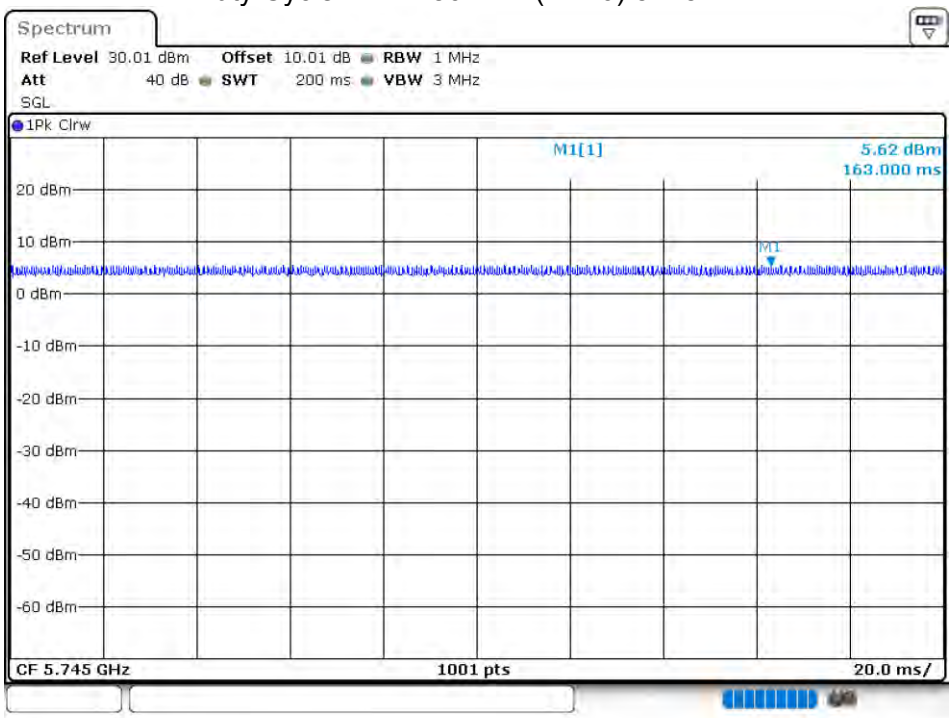

Duty Cycle NVNT 802.11ac40 5755MHz



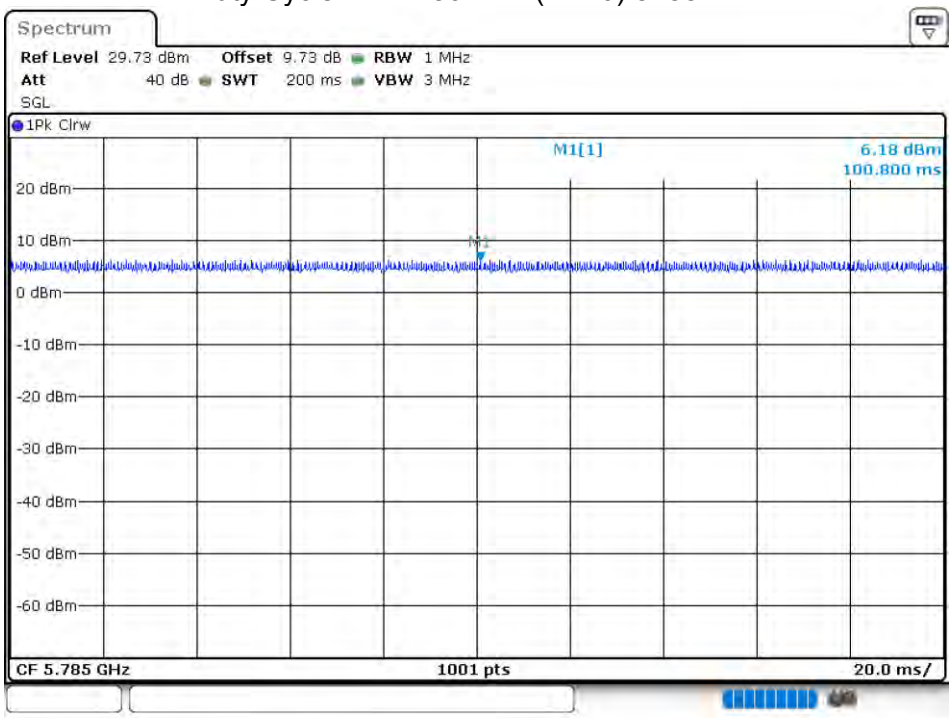
Duty Cycle NVNT 802.11ac40 5795MHz



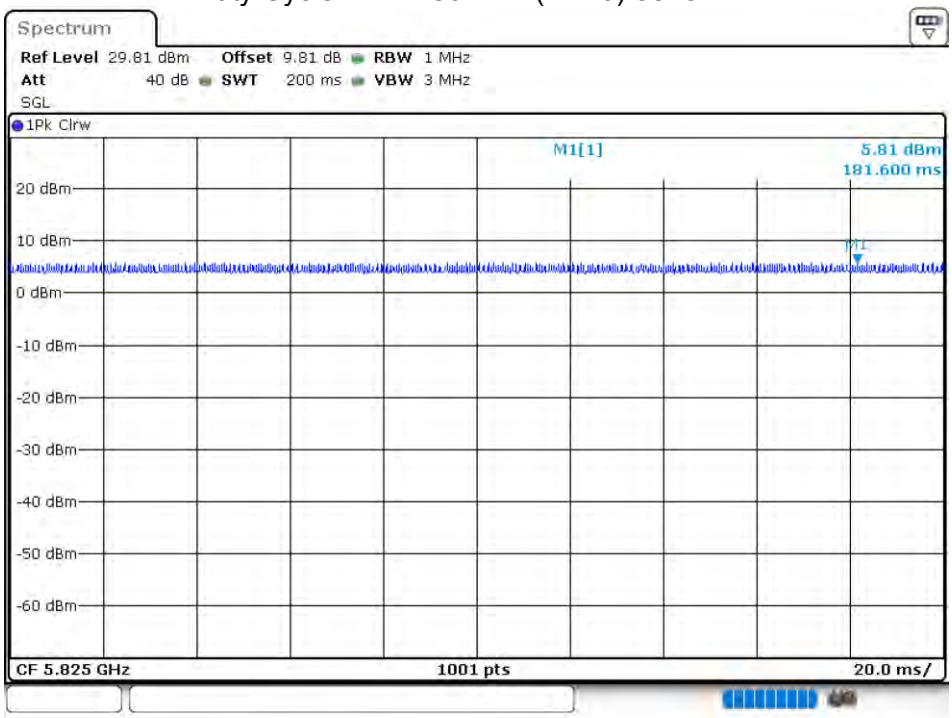

Duty Cycle NVNT 802.11n(HT20) 5745MHz



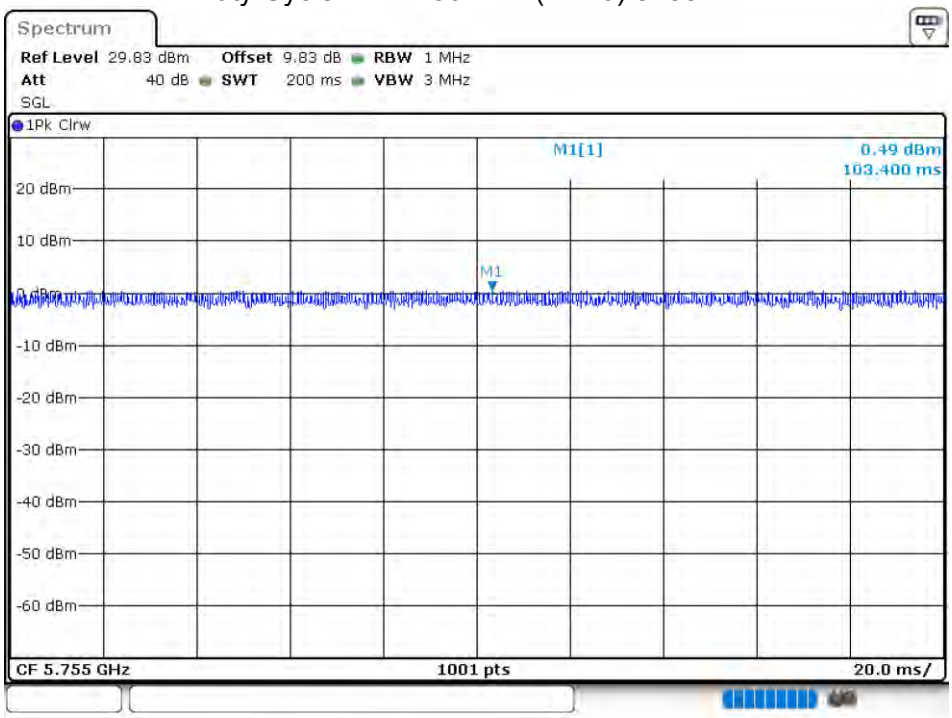
Duty Cycle NVNT 802.11n(HT20) 5785MHz



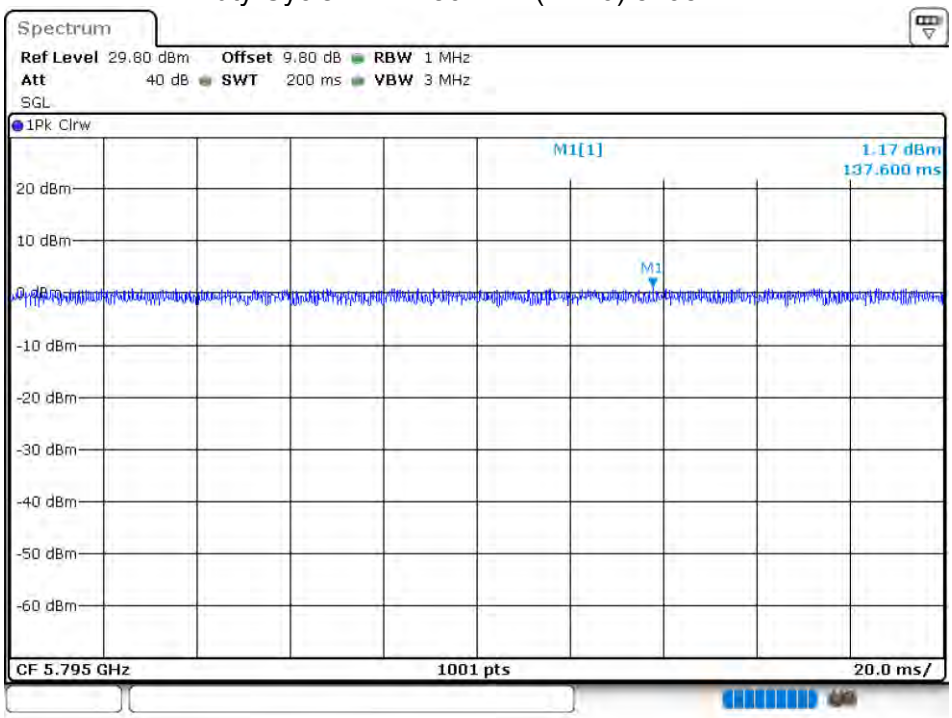

Duty Cycle NVNT 802.11n(HT20) 5825MHz



Duty Cycle NVNT 802.11n(HT40) 5755MHz




Duty Cycle NVNT 802.11n(HT40) 5795MHz



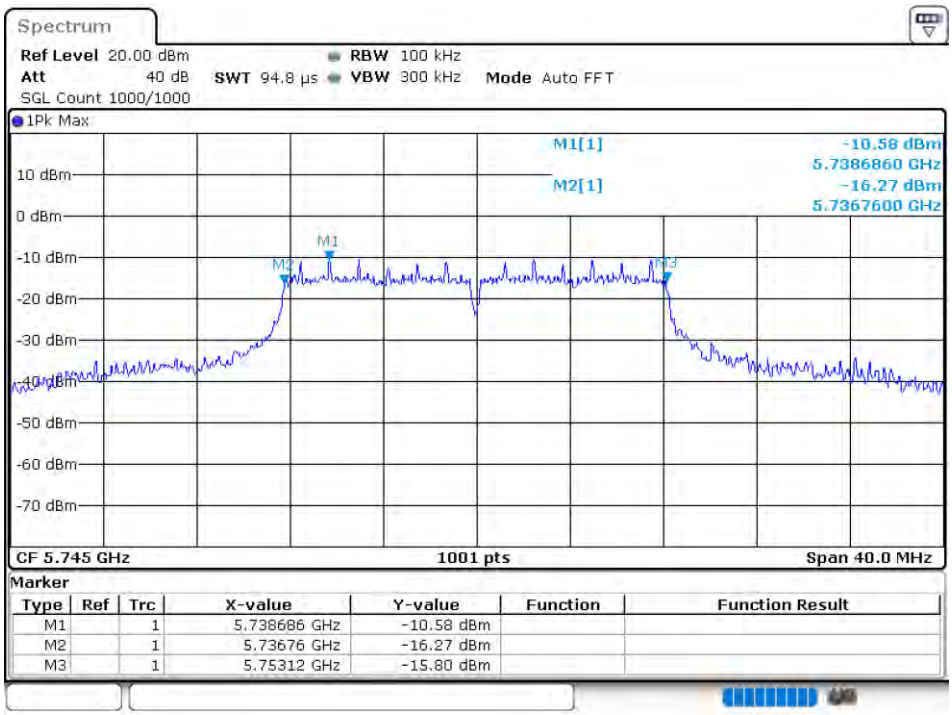
**5.8 MAXIMUM CONDUCTED OUTPUT POWER**

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Duty Factor (dB) | Total Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 9.31 | 0 | 9.31 | 30 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 9.47 | 0 | 9.47 | 30 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 9.48 | 0 | 9.48 | 30 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 8.41 | 0 | 8.41 | 30 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 8.87 | 0 | 8.87 | 30 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 8.46 | 0 | 8.46 | 30 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | 8.73 | 0 | 8.73 | 30 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | 8.52 | 0 | 8.52 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 9.15 | 0 | 9.15 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 9.47 | 0 | 9.47 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 9.27 | 0 | 9.27 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | 9.37 | 0 | 9.37 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 9.51 | 0 | 9.51 | 30 | Pass |

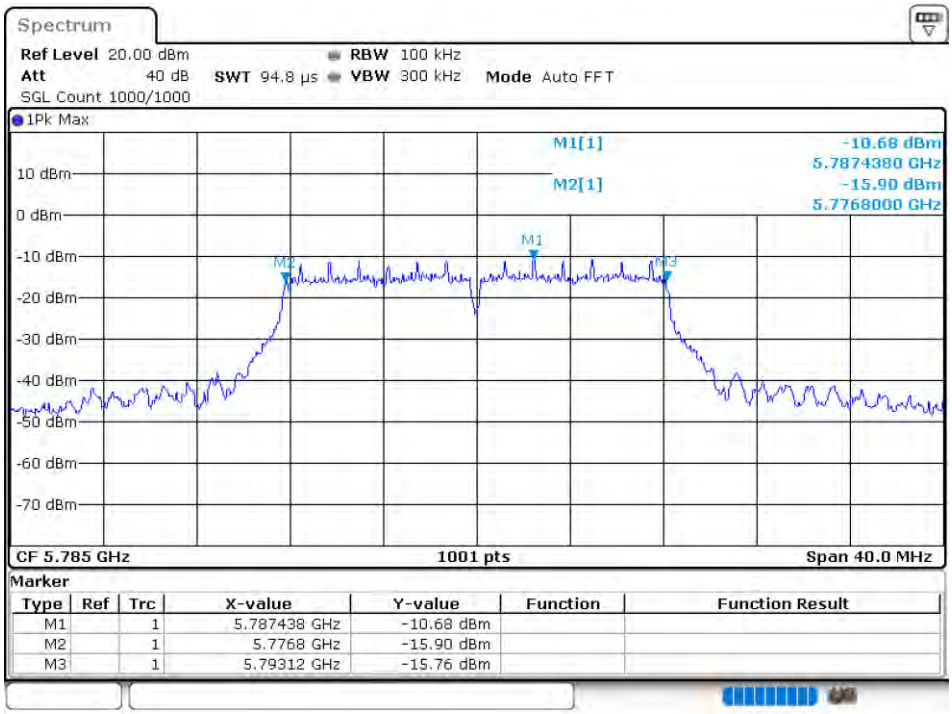
### 5.9 -6DB EMISSION BANDWIDTH

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 16.36 | 0.5 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 16.32 | 0.5 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 16.36 | 0.5 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 17.76 | 0.5 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 17.72 | 0.5 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 17.72 | 0.5 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | 36.08 | 0.5 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | 35.44 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 17.56 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 17.56 | 0.5 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 17.6 | 0.5 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | 35.76 | 0.5 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 35.12 | 0.5 | Pass |

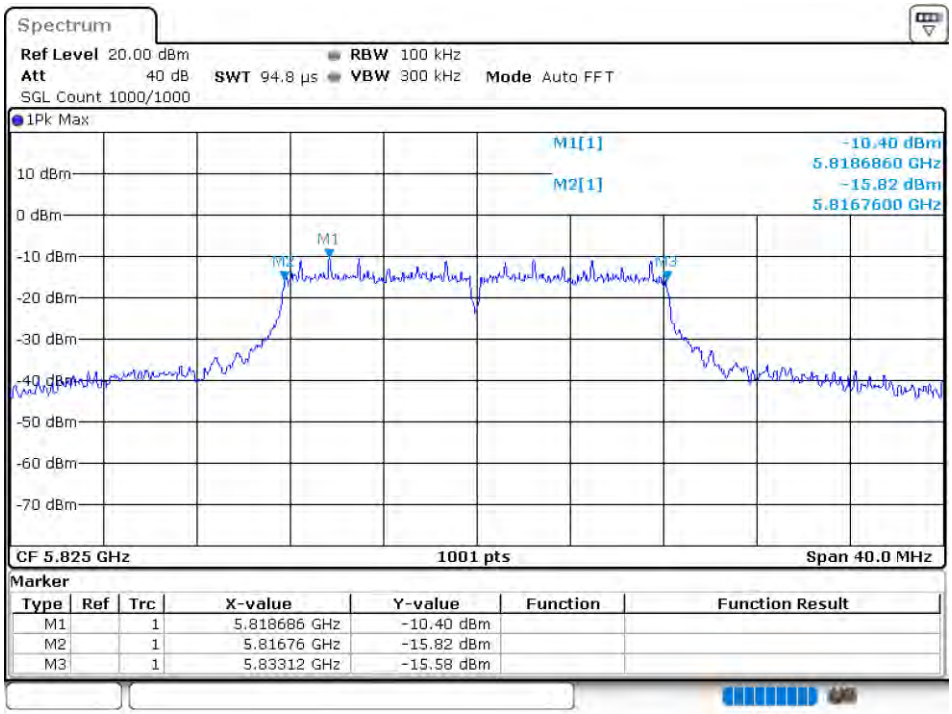
EBW NVNT 802.11a 5745MHz Ant1



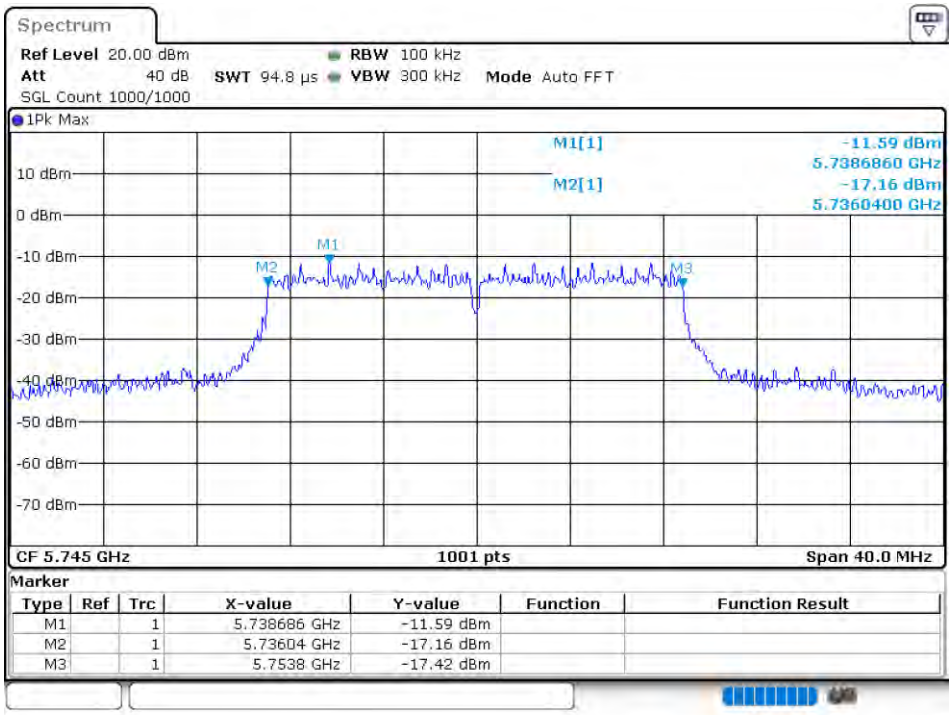
EBW NVNT 802.11a 5785MHz Ant1



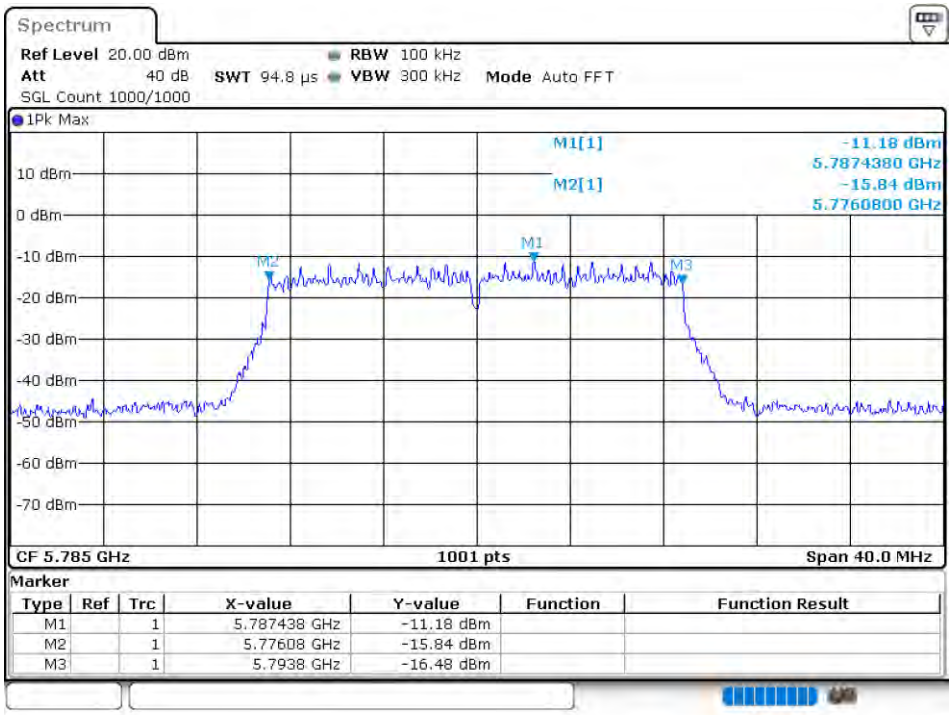

EBW NVNT 802.11a 5825MHz Ant1



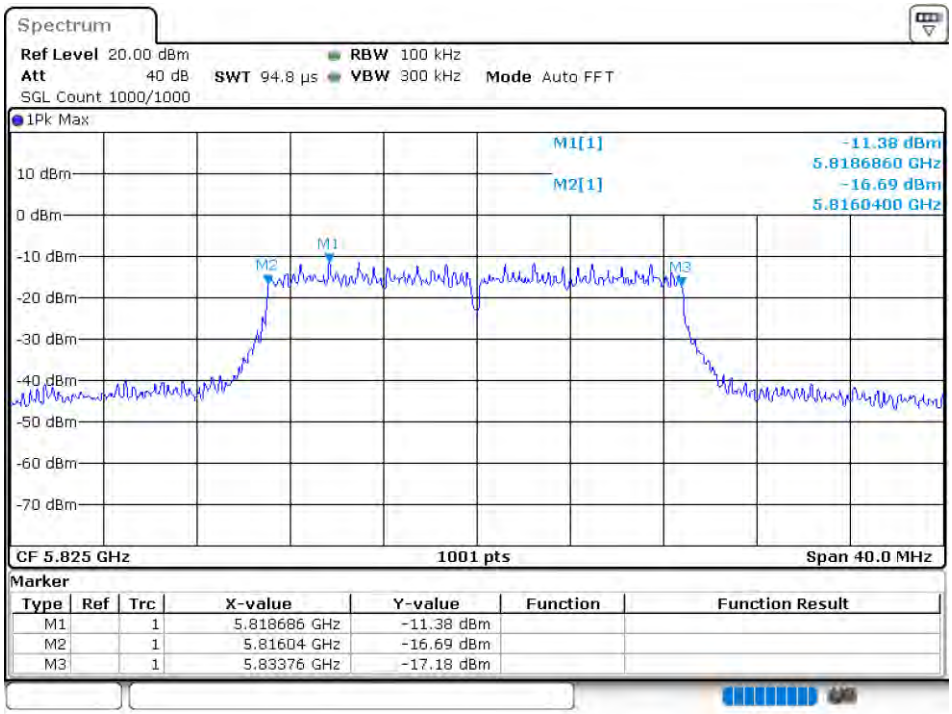
EBW NVNT 802.11ac20 5745MHz Ant1



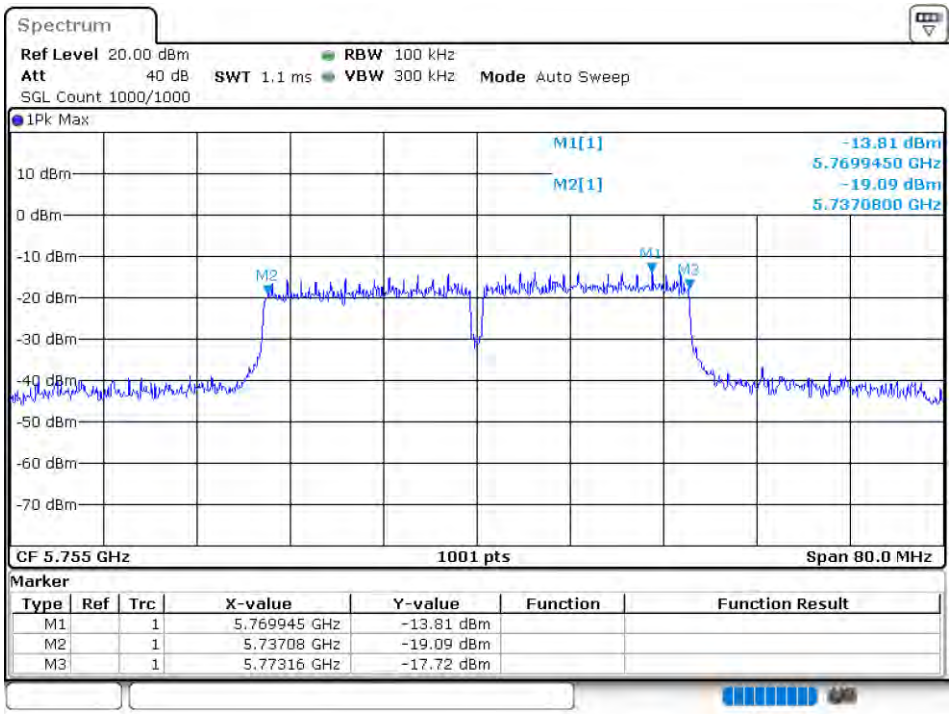

EBW NVNT 802.11ac20 5785MHz Ant1



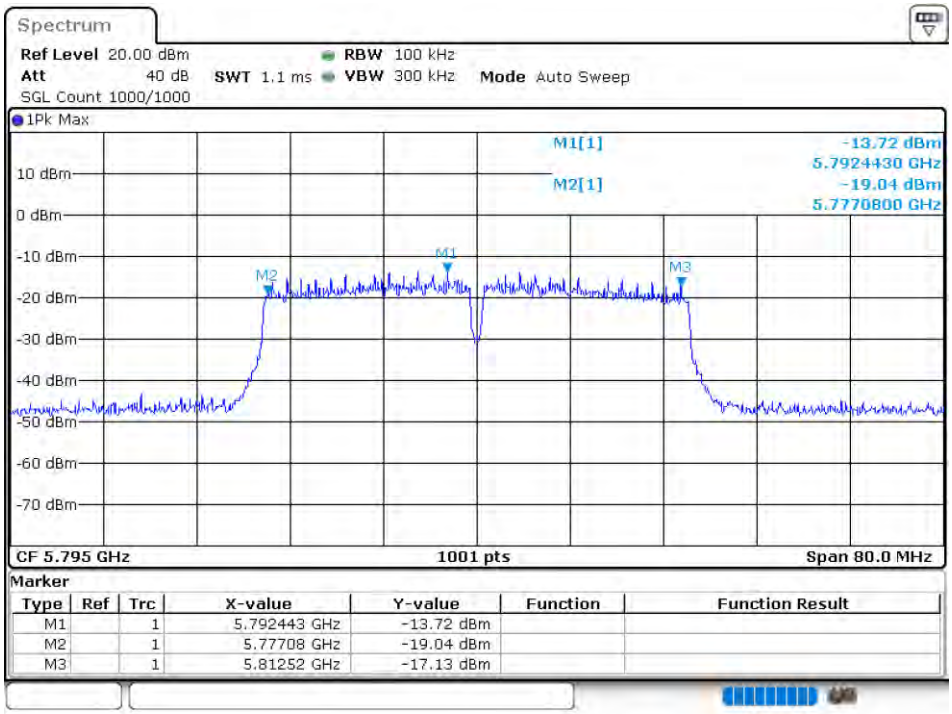
EBW NVNT 802.11ac20 5825MHz Ant1



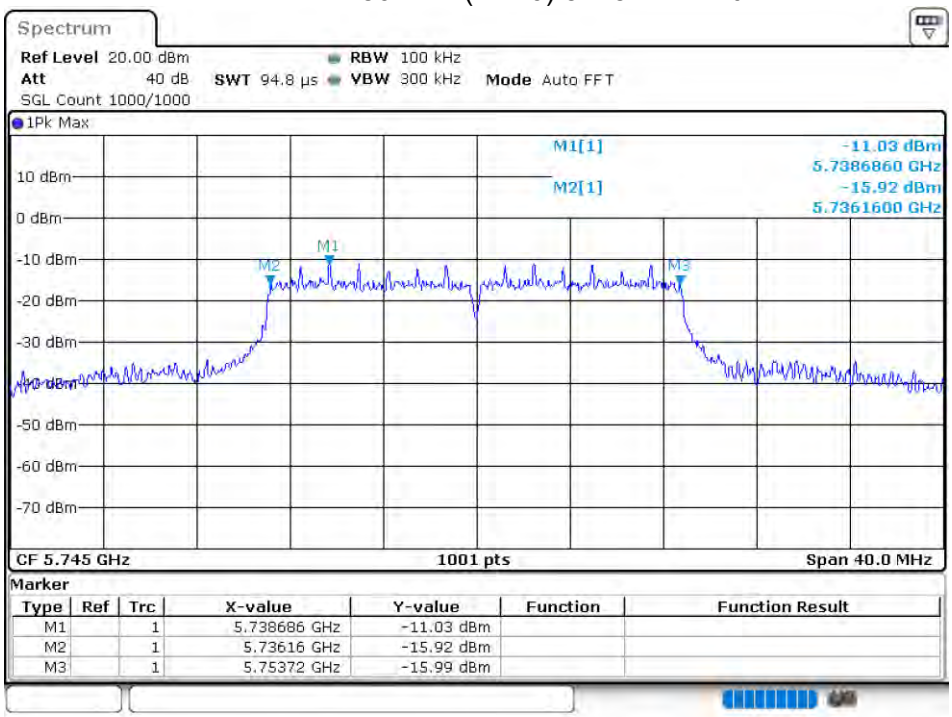

EBW NVNT 802.11ac40 5755MHz Ant1



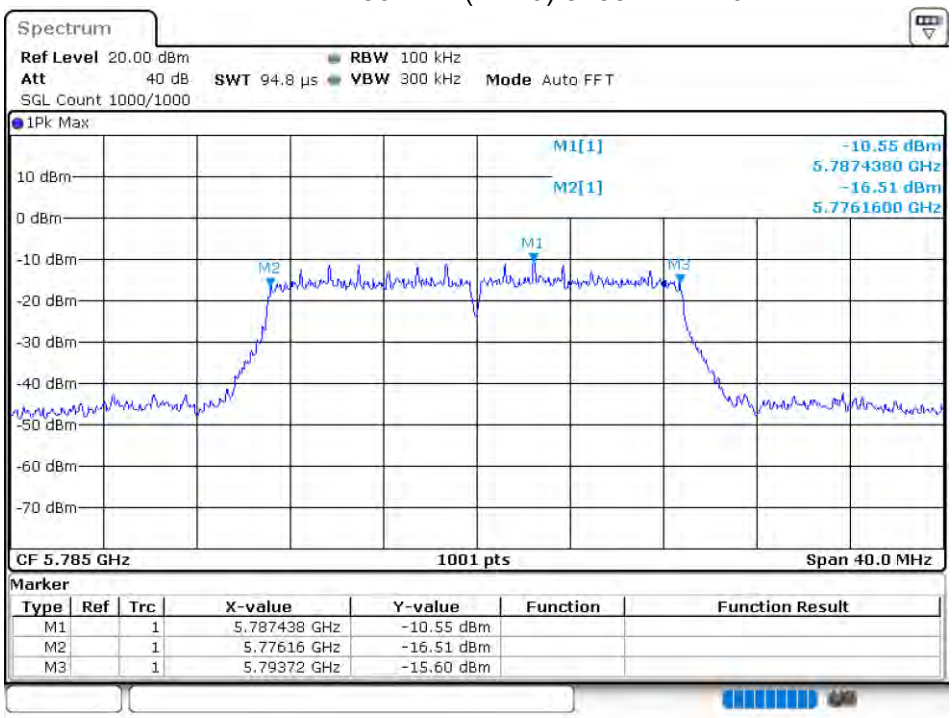
EBW NVNT 802.11ac40 5795MHz Ant1



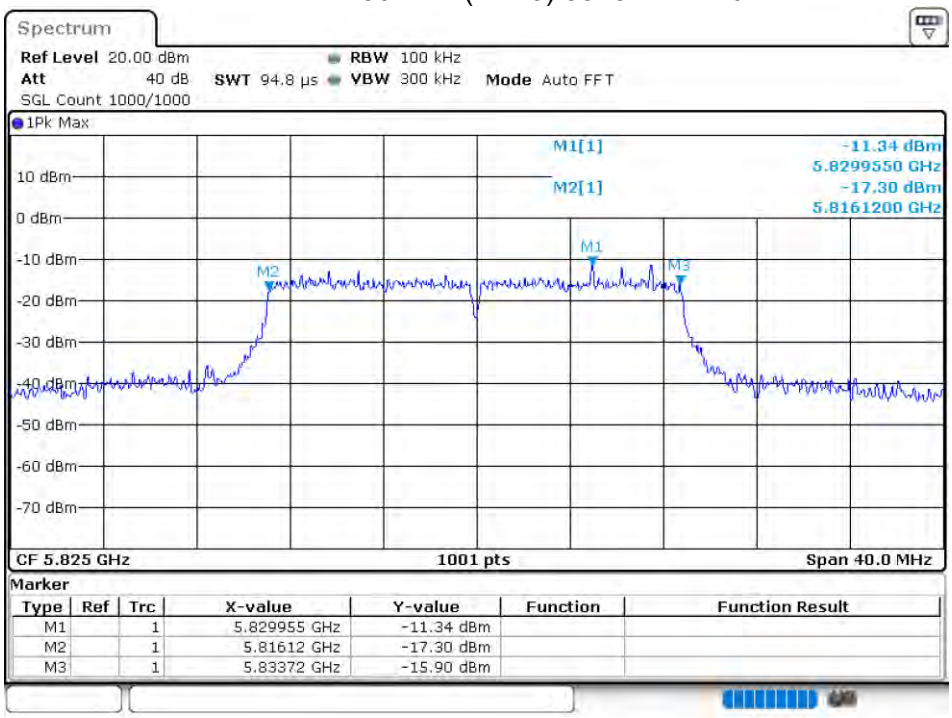

EBW NVNT 802.11n(HT20) 5745MHz Ant1



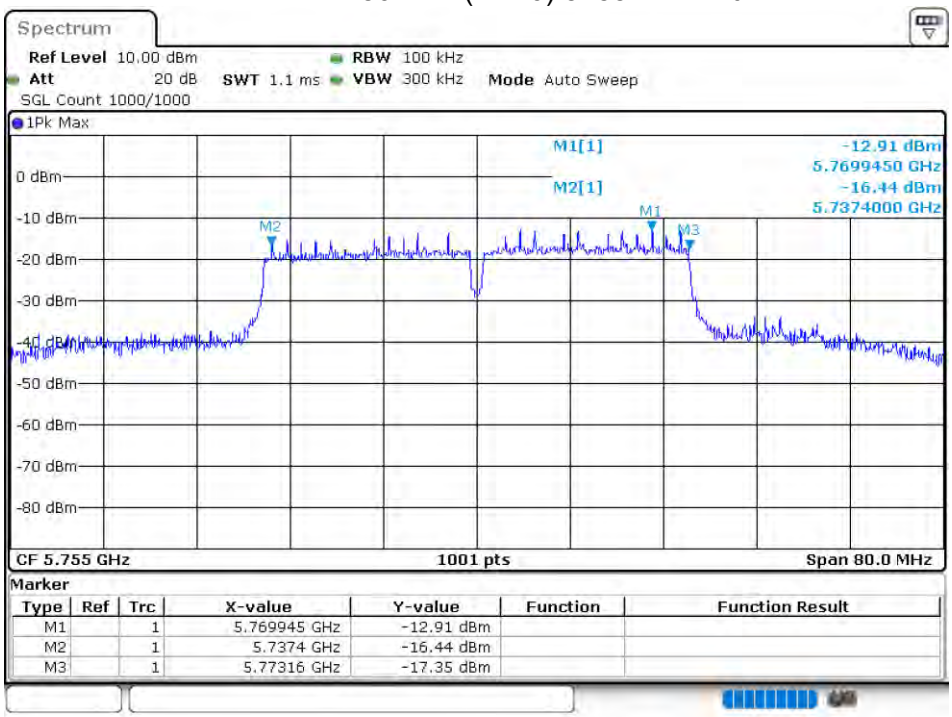
EBW NVNT 802.11n(HT20) 5785MHz Ant1



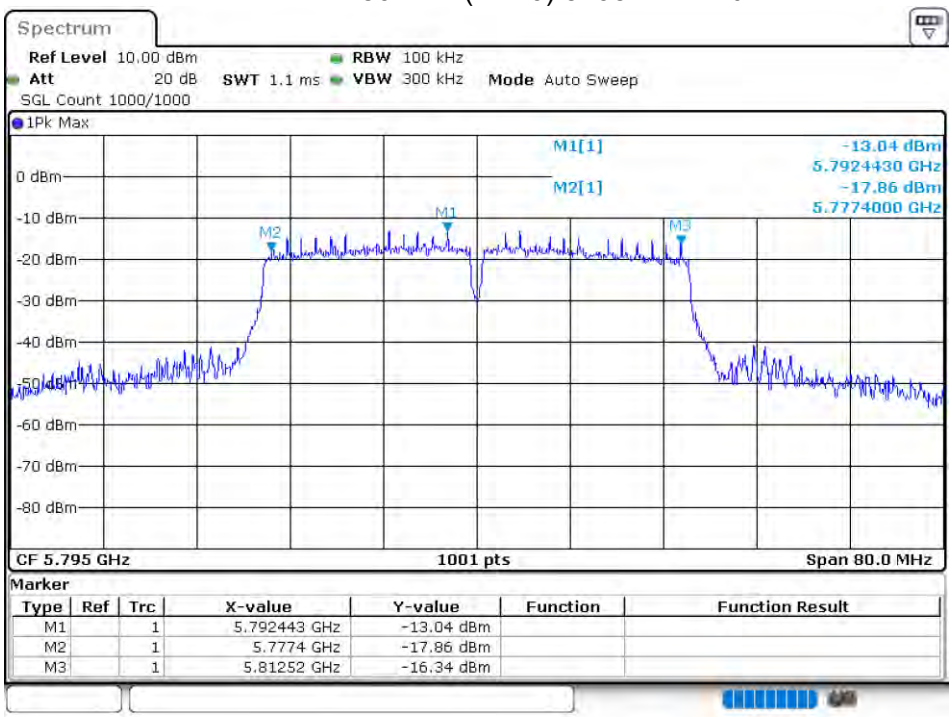

EBW NVNT 802.11n(HT20) 5825MHz Ant1



EBW NVNT 802.11n(HT40) 5755MHz Ant1



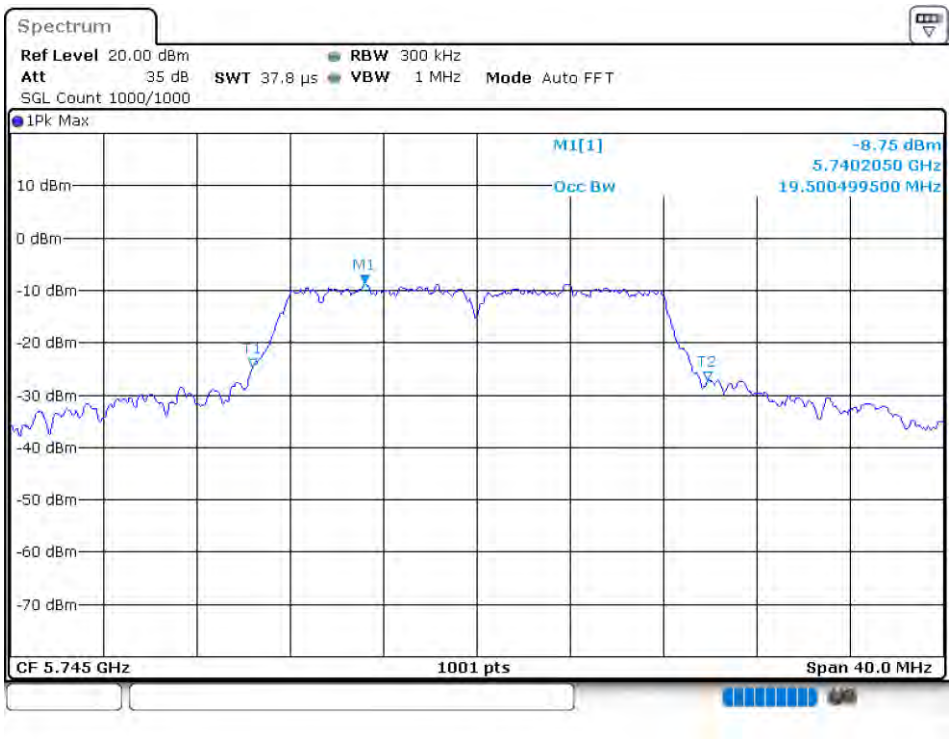

EBW NVNT 802.11n(HT40) 5795MHz Ant1



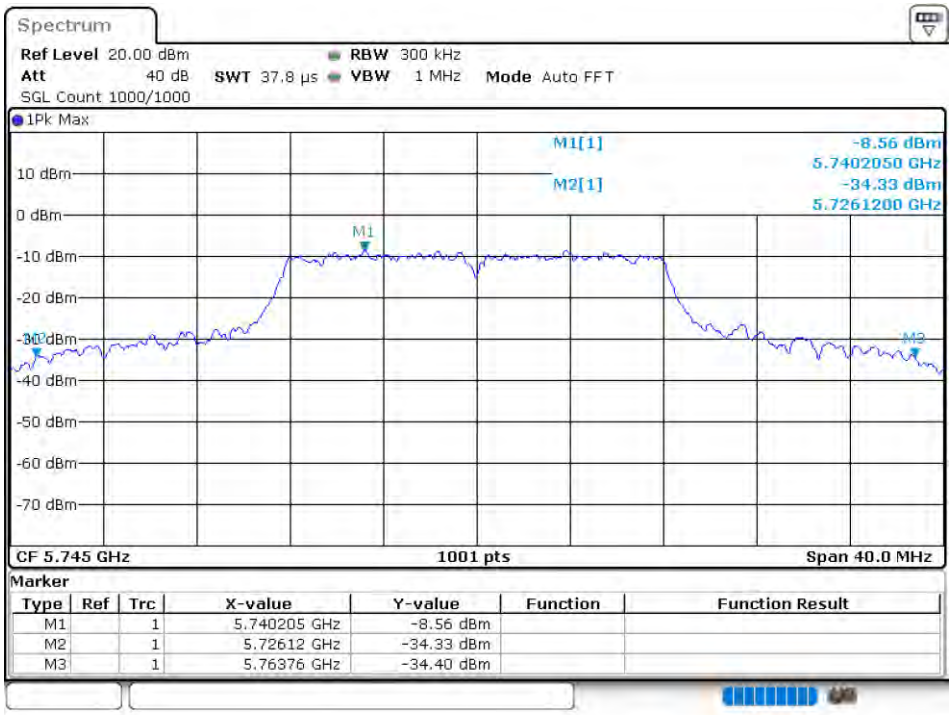
## 5.10 OCCUPIED CHANNEL BANDWIDTH

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 19.5005 | 37.64 | N/A | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 17.3027 | 28.88 | N/A | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 18.0619 | 35.24 | N/A | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 18.1818 | 33.76 | N/A | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 17.9021 | 20.92 | N/A | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 17.982 | 23.04 | N/A | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | 37.003 | 75.28 | N/A | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | 36.2837 | 40.16 | N/A | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 19.9001 | 40 | N/A | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 18.022 | 20.84 | N/A | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 18.5015 | 35.96 | N/A | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | 39.8002 | 78.8 | N/A | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 36.4436 | 50.88 | N/A | Pass |

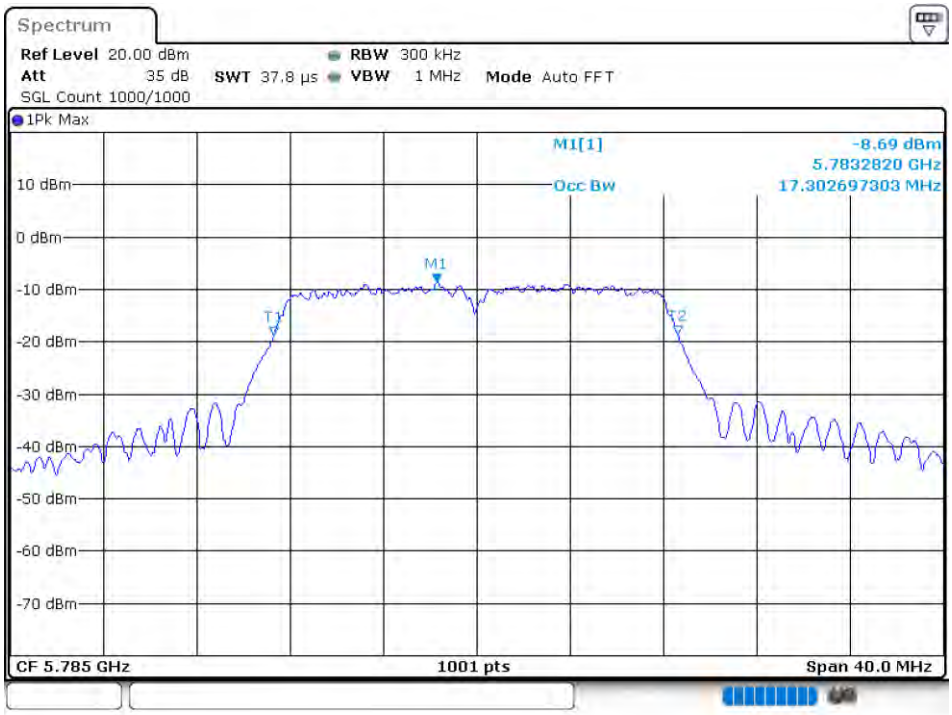
OBW NVNT 802.11a 5745MHz Ant1



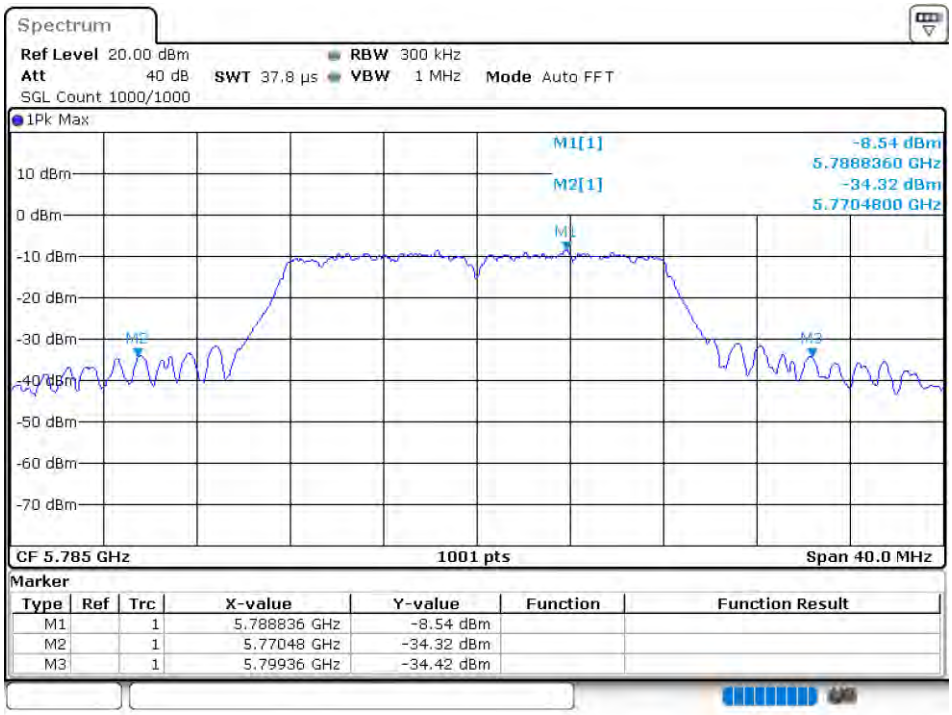
-26 dB BW NVNT 802.11a 5745MHz Ant1



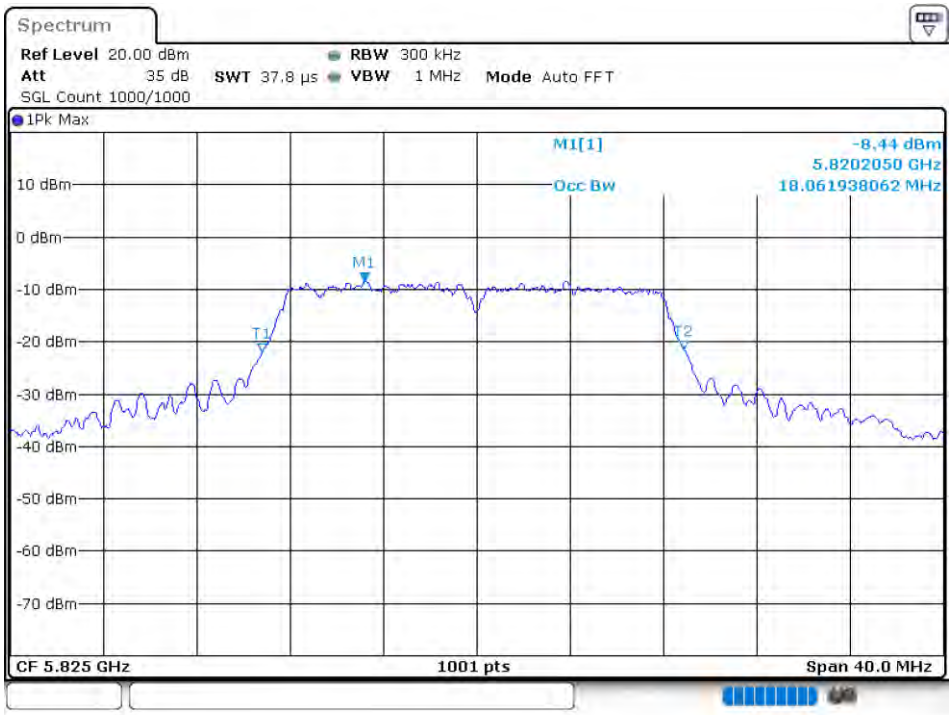

OBW NVNT 802.11a 5785MHz Ant1



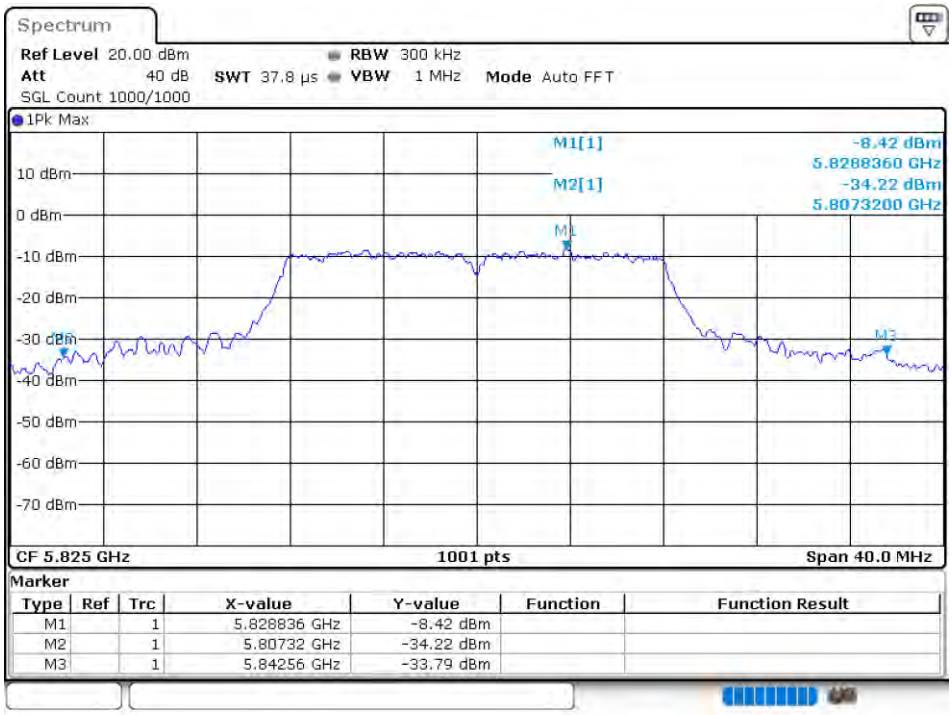
-26 dB BW NVNT 802.11a 5785MHz Ant1



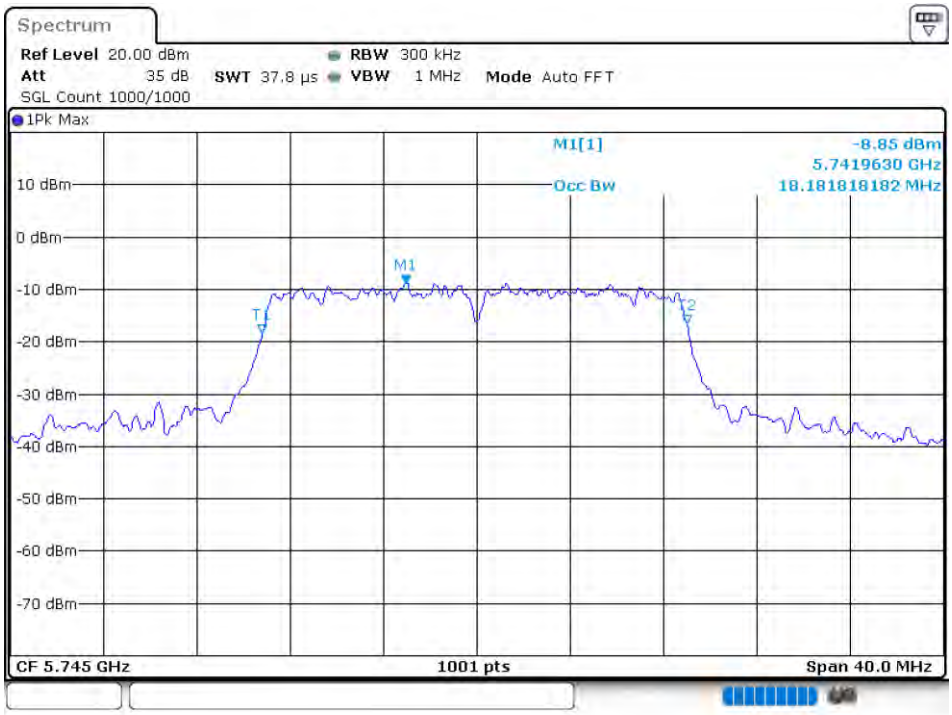

OBW NVNT 802.11a 5825MHz Ant1



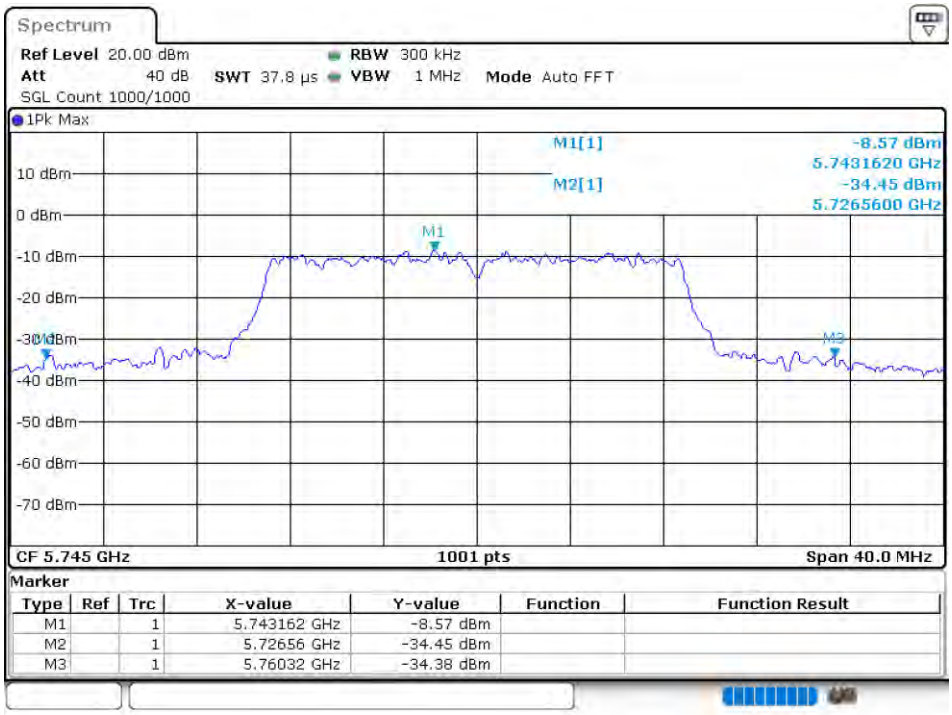
-26 dB BW NVNT 802.11a 5825MHz Ant1



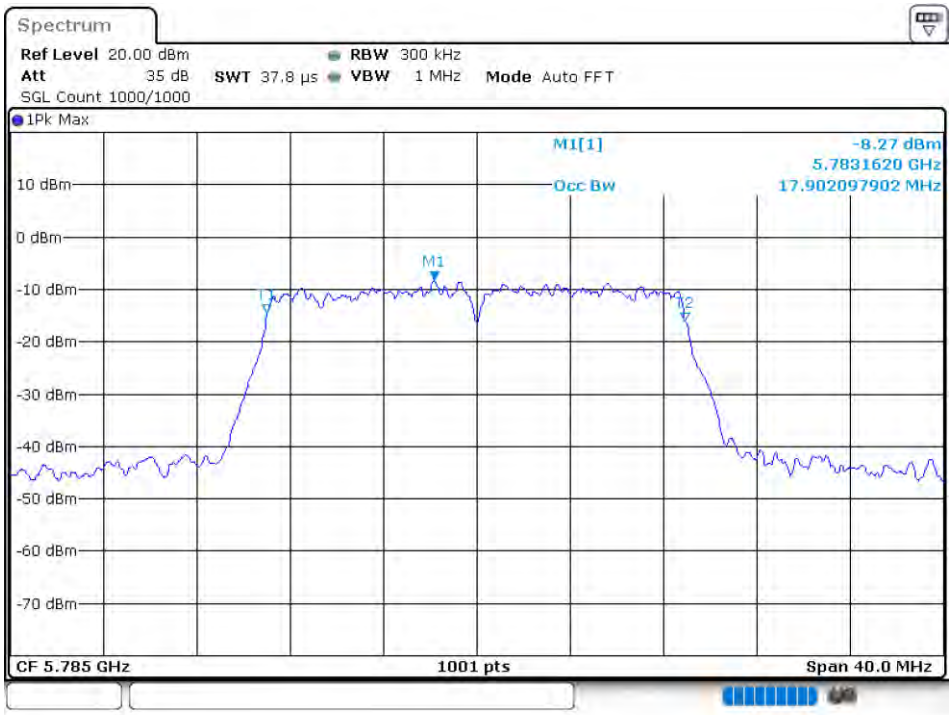

OBW NVNT 802.11ac20 5745MHz Ant1



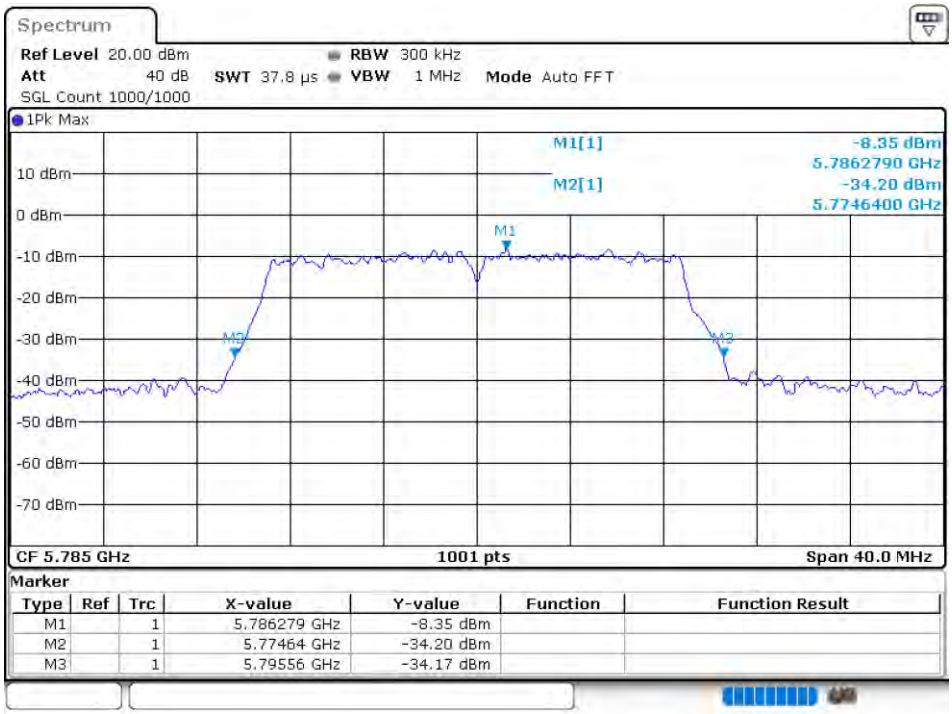
-26 dB BW NVNT 802.11ac20 5745MHz Ant1



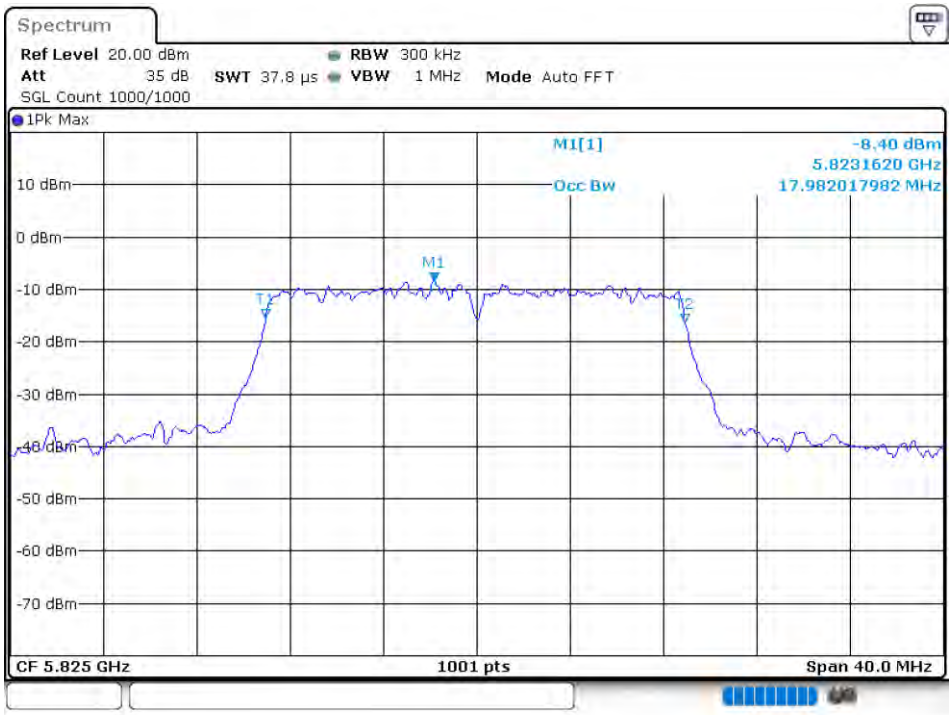

OBW NVNT 802.11ac20 5785MHz Ant1



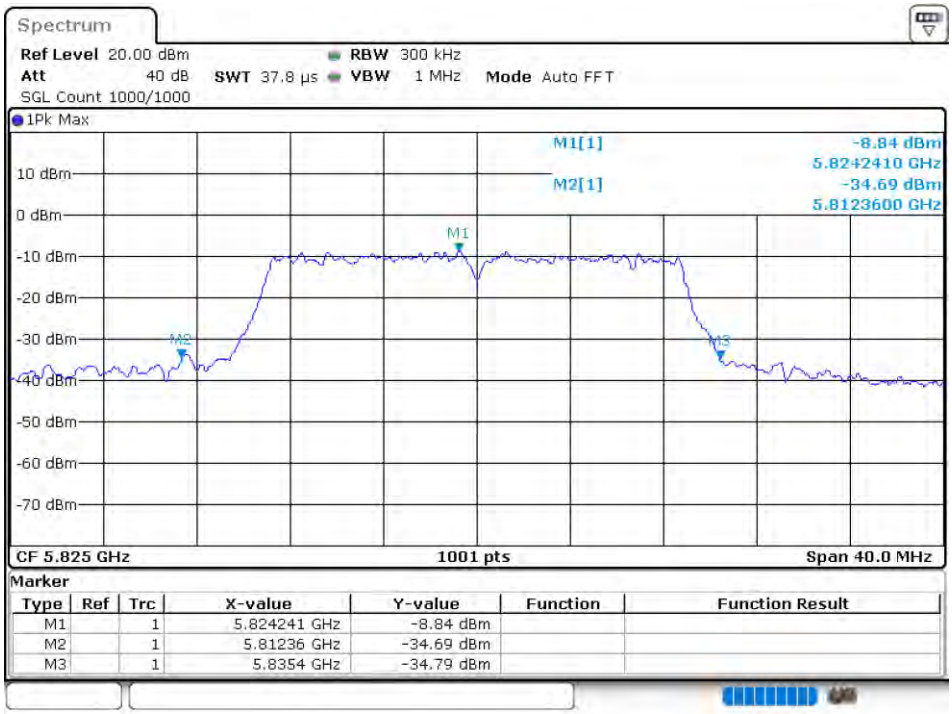
-26 dB BW NVNT 802.11ac20 5785MHz Ant1



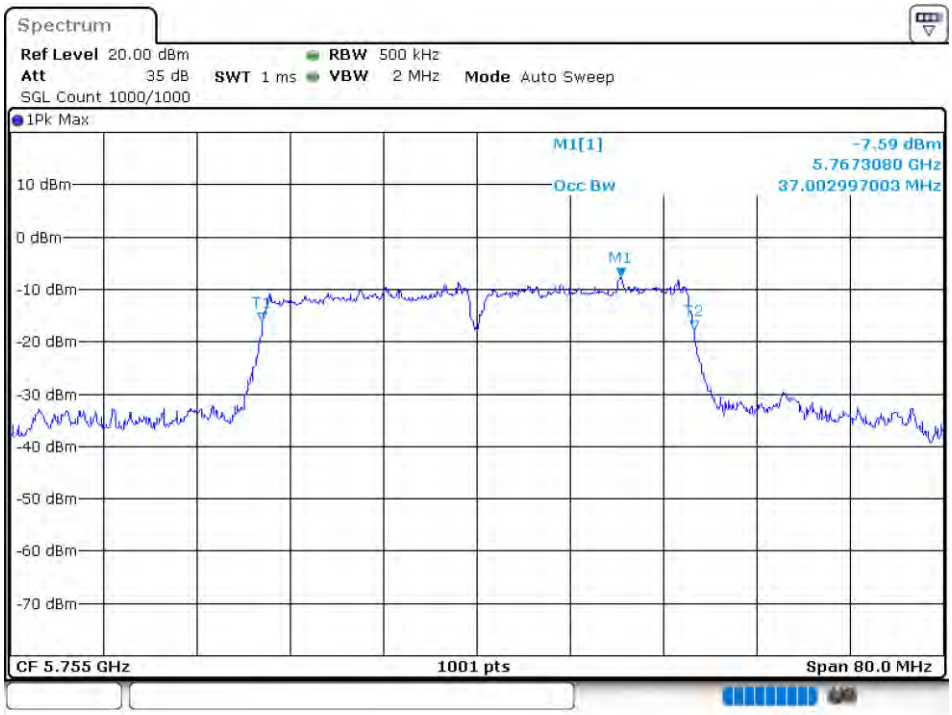

OBW NVNT 802.11ac20 5825MHz Ant1



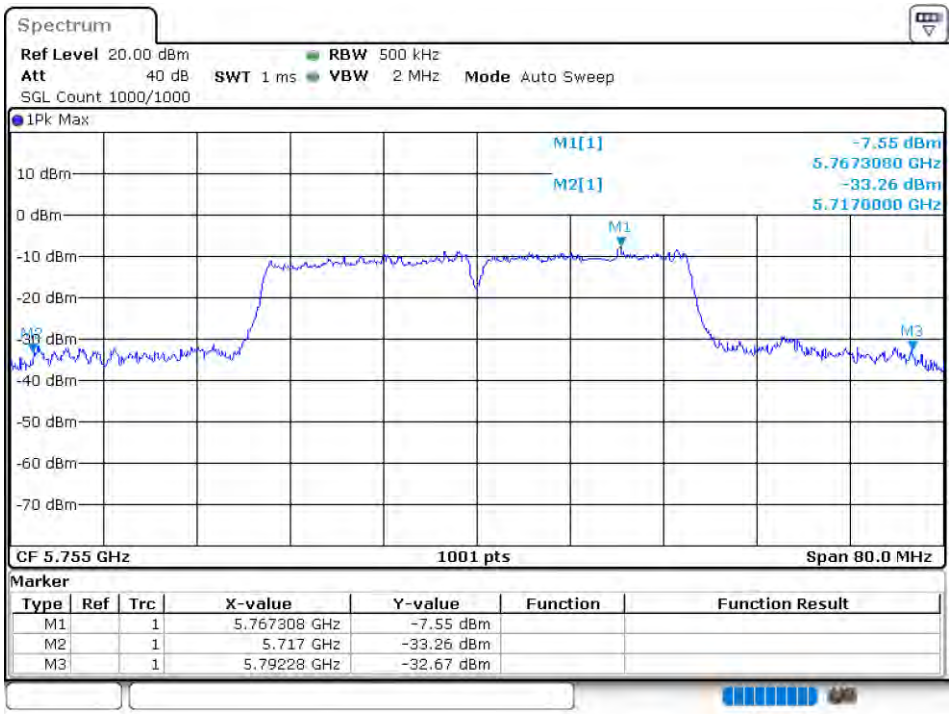
-26 dB BW NVNT 802.11ac20 5825MHz Ant1



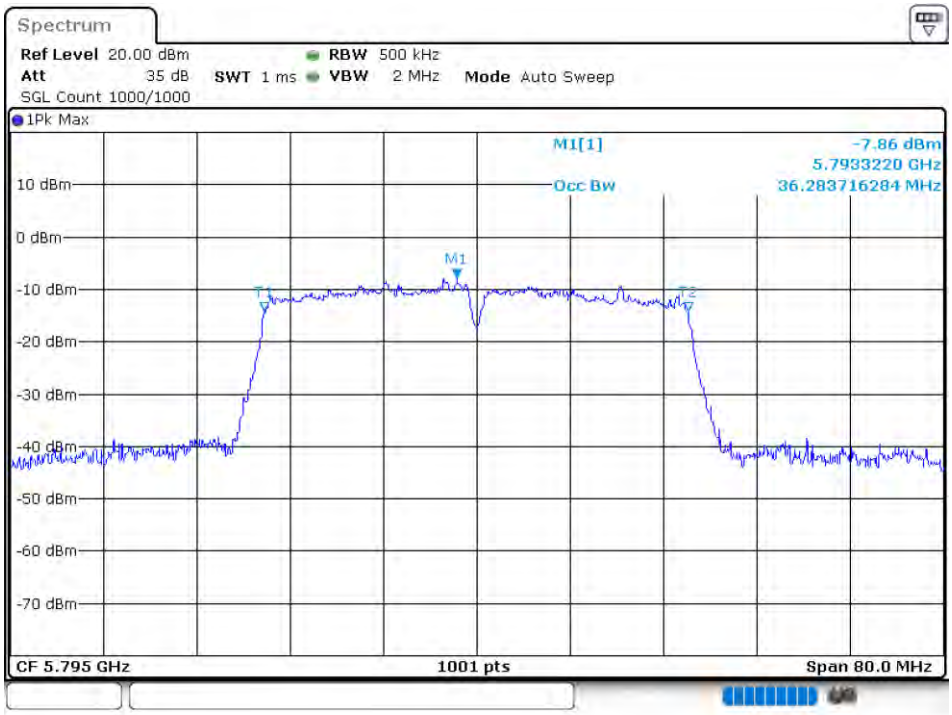

OBW NVNT 802.11ac40 5755MHz Ant1



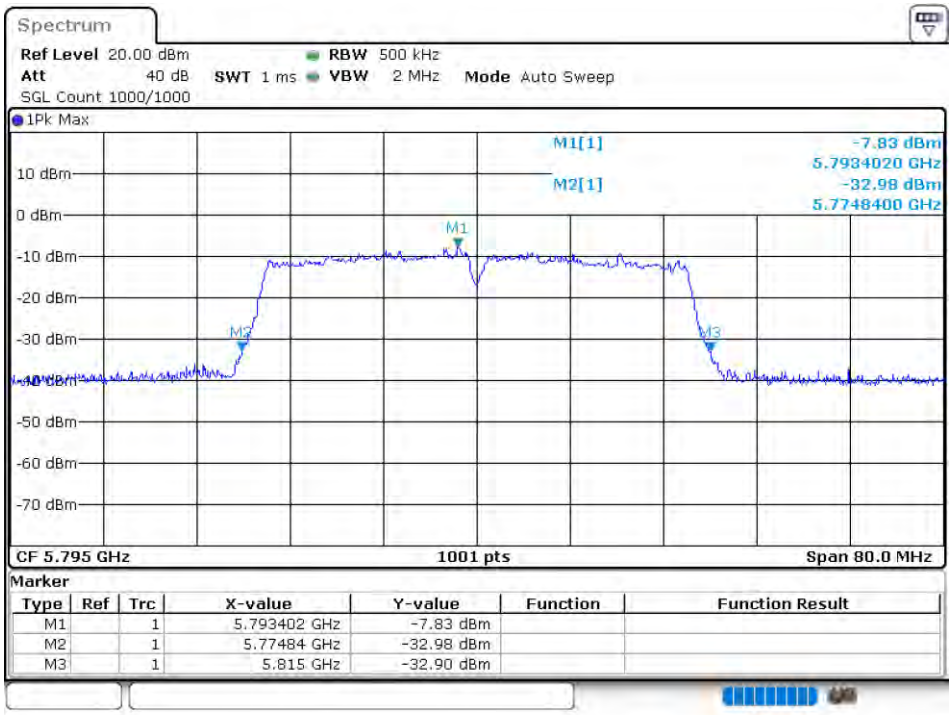
-26 dB BW NVNT 802.11ac40 5755MHz Ant1



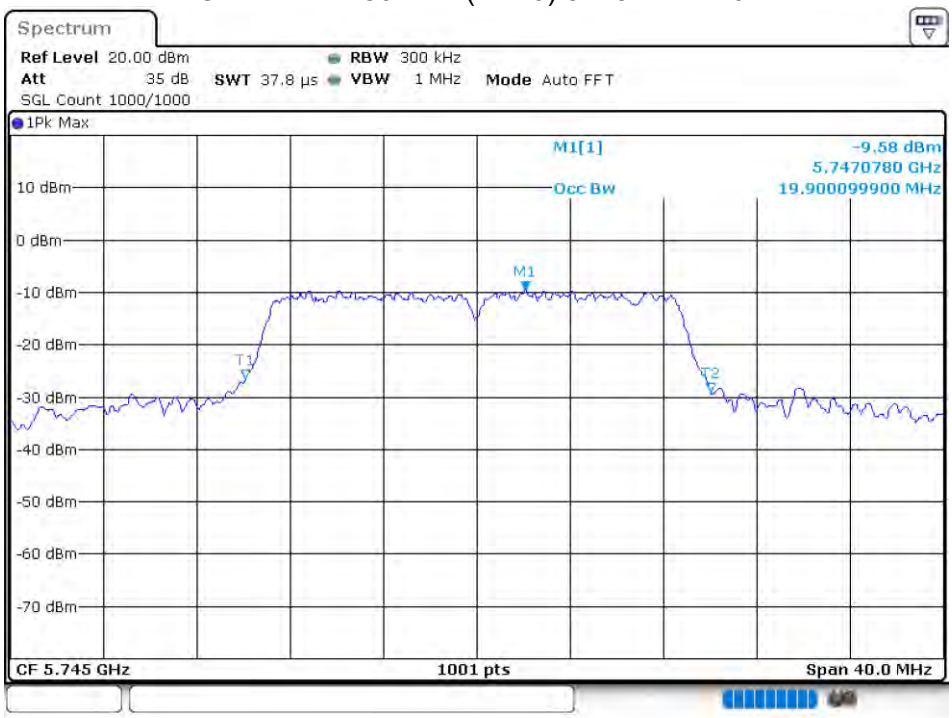

OBW NVNT 802.11ac40 5795MHz Ant1



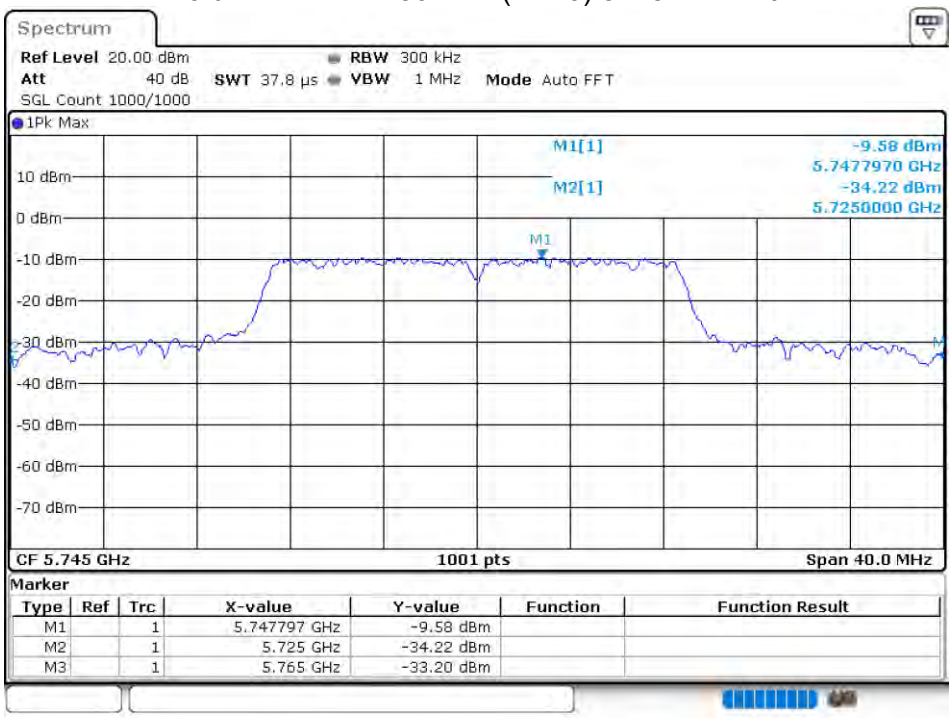
-26 dB BW NVNT 802.11ac40 5795MHz Ant1



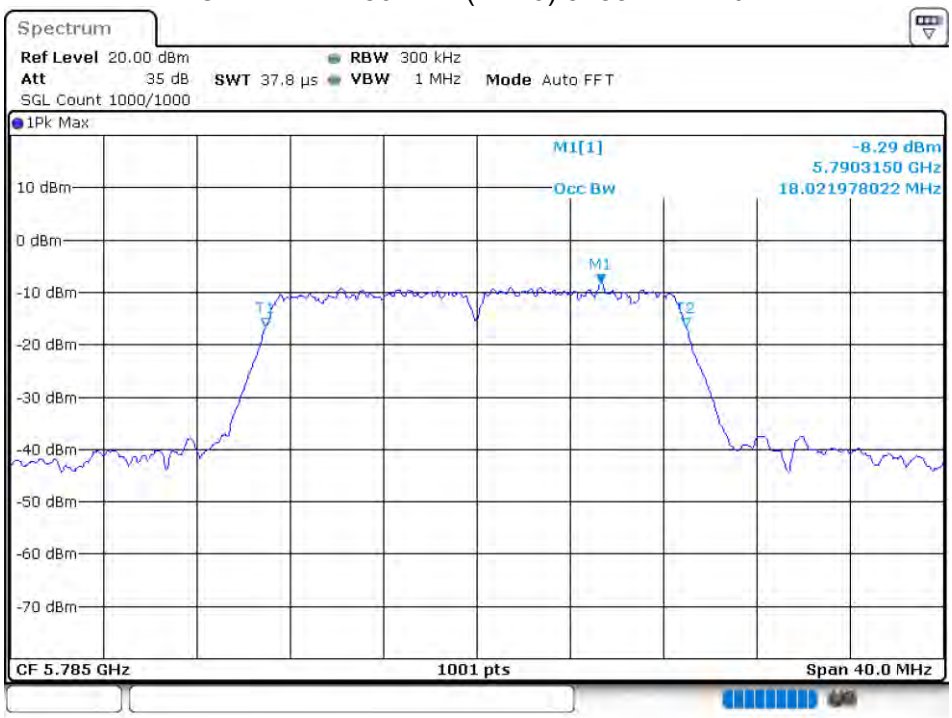

OBW NVNT 802.11n(HT20) 5745MHz Ant1



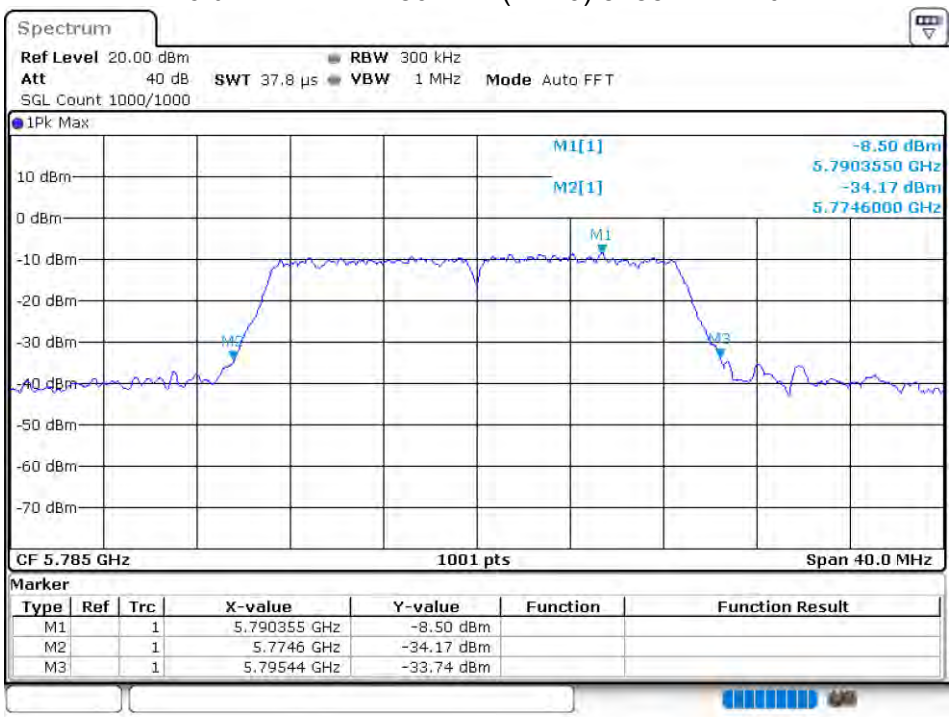
-26 dB BW NVNT 802.11n(HT20) 5745MHz Ant1



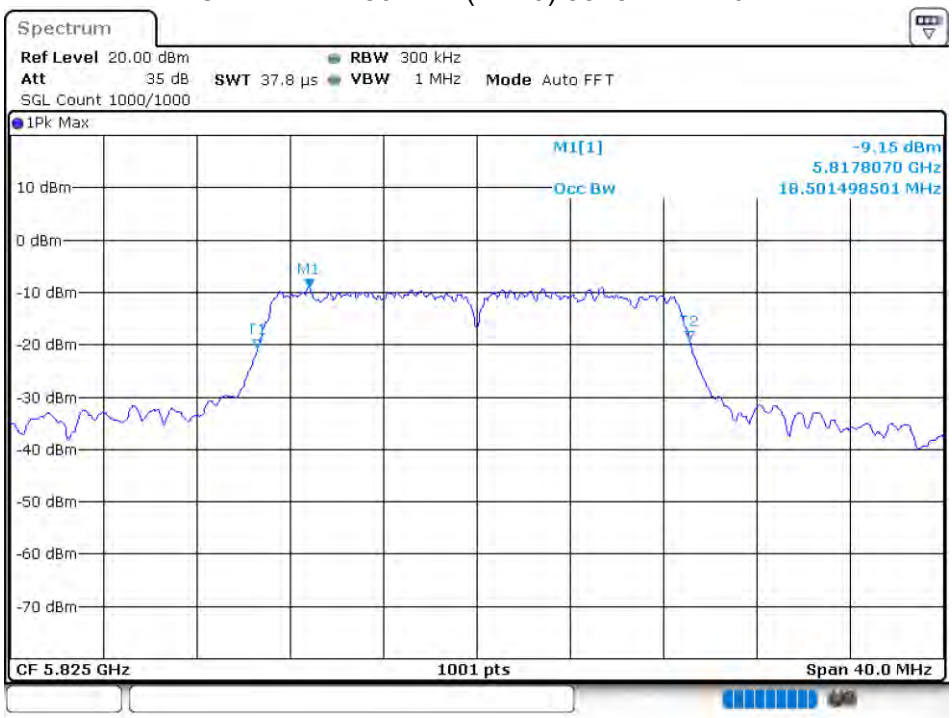

OBW NVNT 802.11n(HT20) 5785MHz Ant1



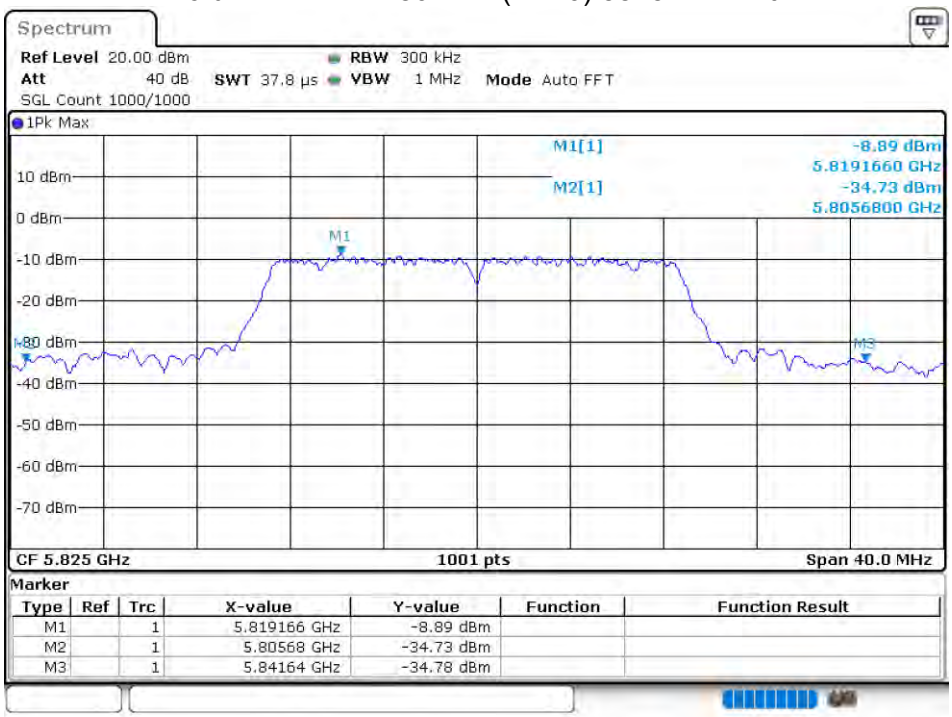
-26 dB BW NVNT 802.11n(HT20) 5785MHz Ant1



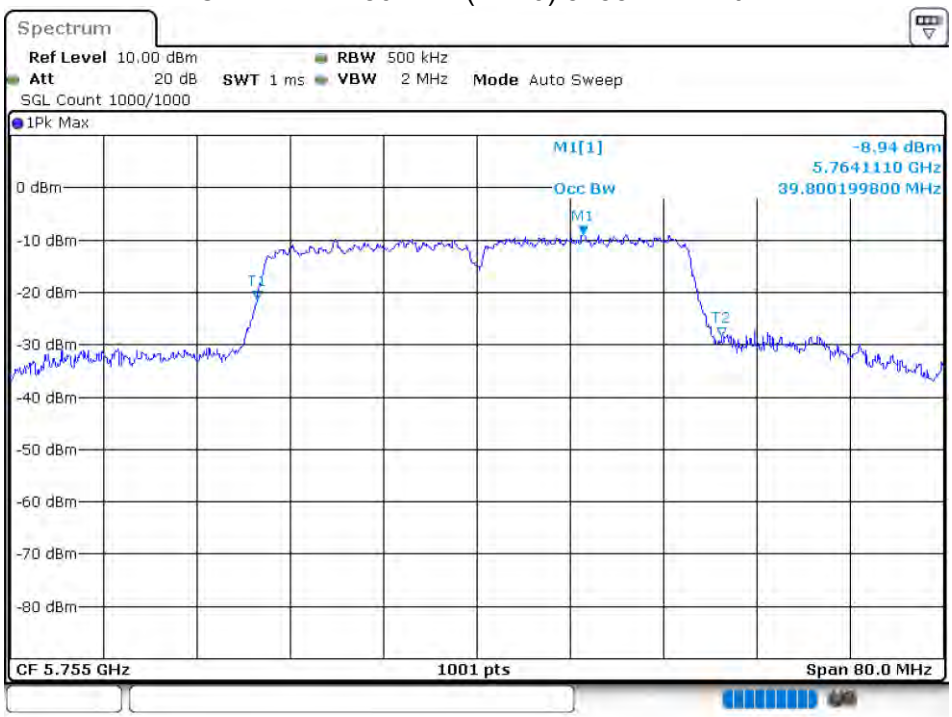

OBW NVNT 802.11n(HT20) 5825MHz Ant1



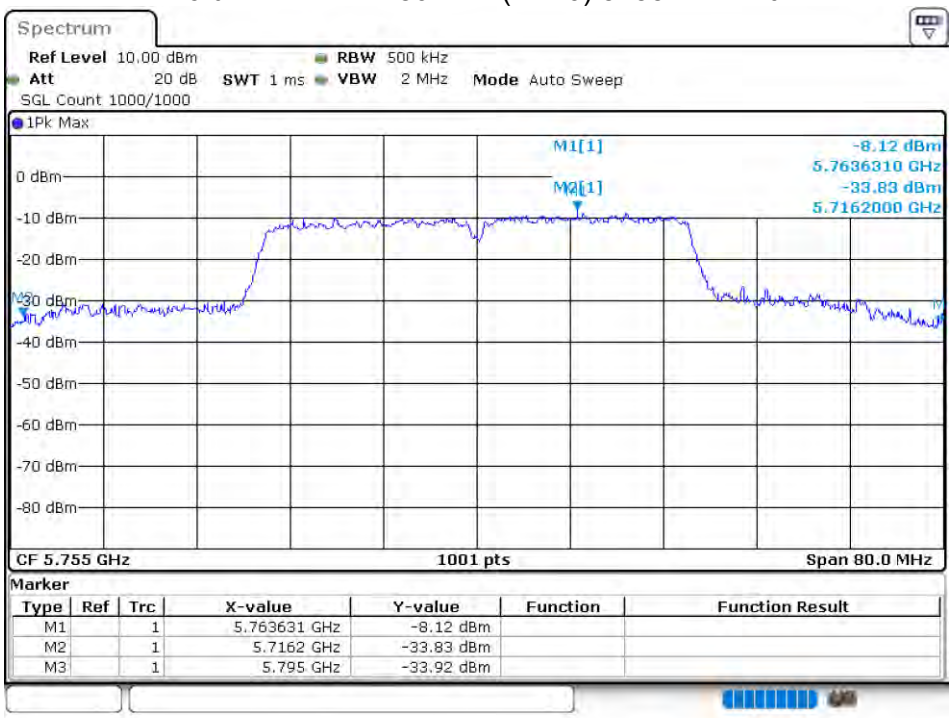
-26 dB BW NVNT 802.11n(HT20) 5825MHz Ant1



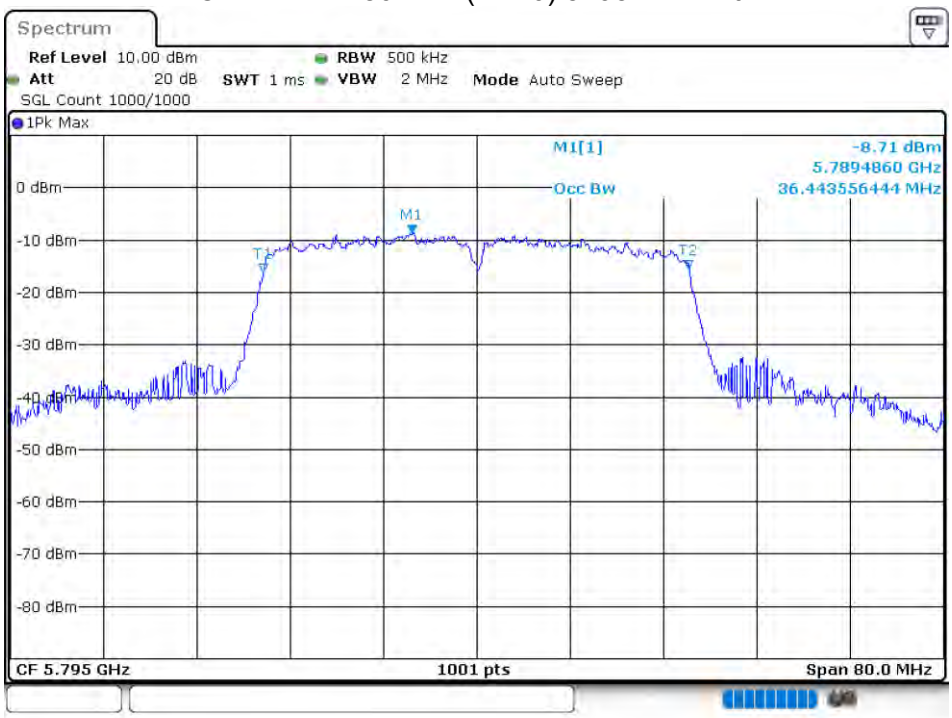

OBW NVNT 802.11n(HT40) 5755MHz Ant1



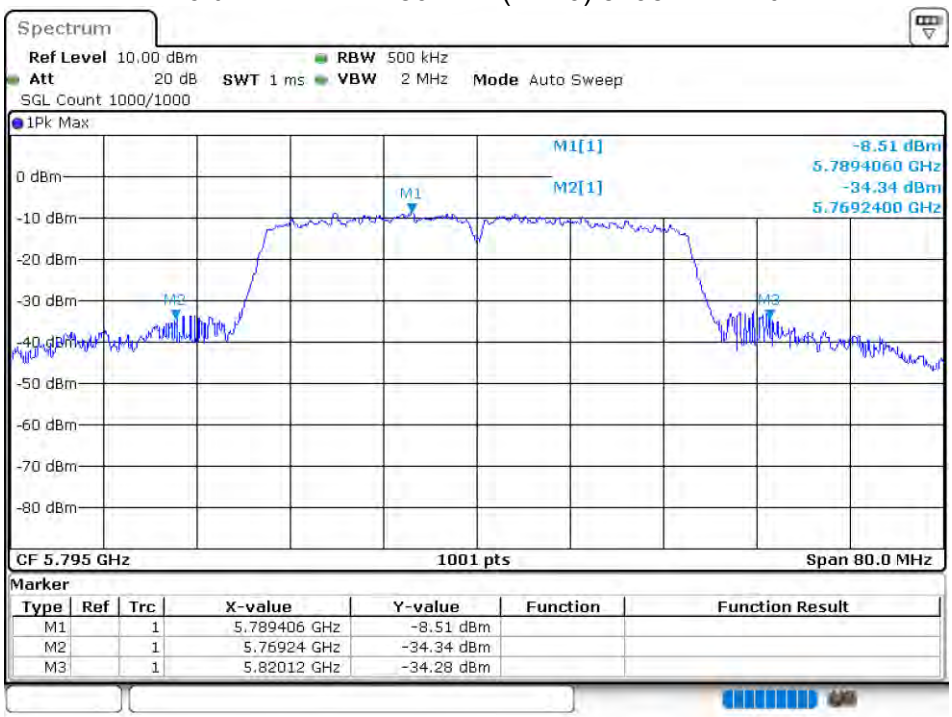
-26 dB BW NVNT 802.11n(HT40) 5755MHz Ant1




OBW NVNT 802.11n(HT40) 5795MHz Ant1



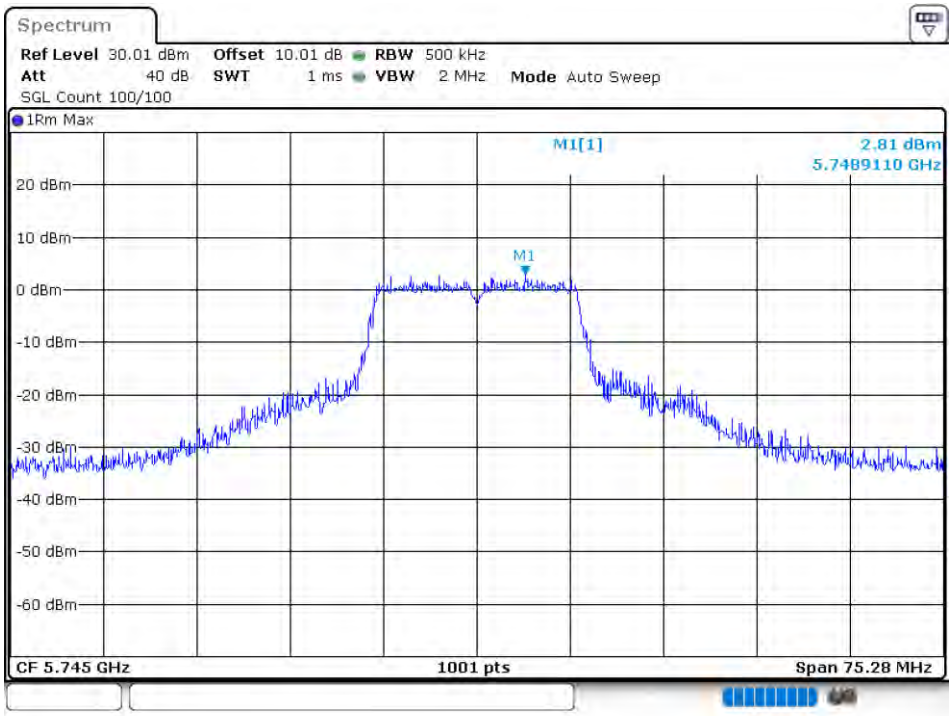
-26 dB BW NVNT 802.11n(HT40) 5795MHz Ant1



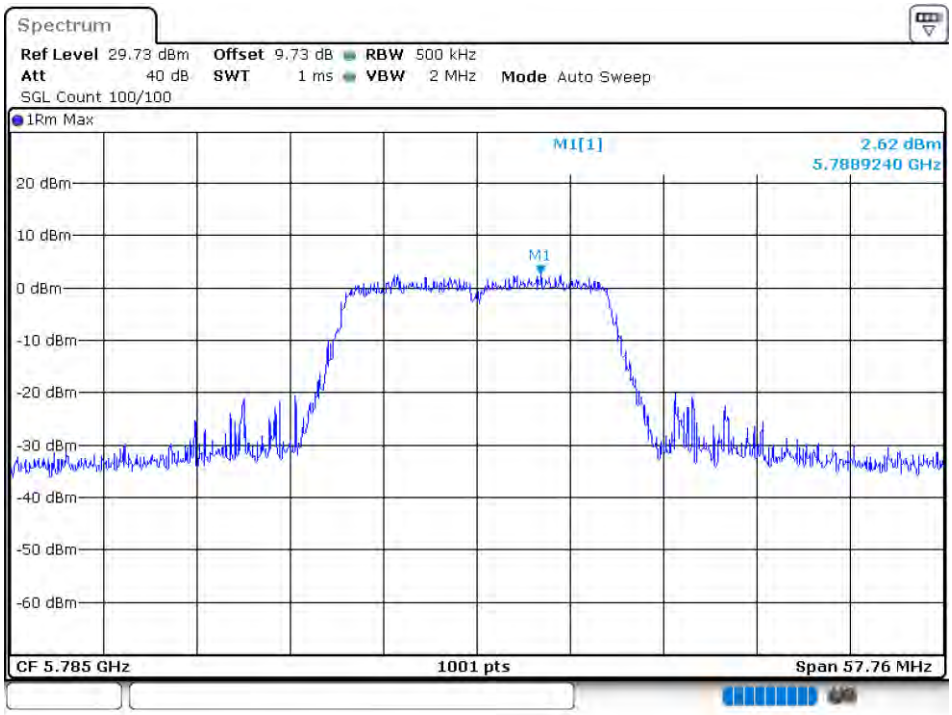
### 5.11 MAXIMUM POWER SPECTRAL DENSITY LEVEL

| Condition | Mode | Frequency (MHz) | Antenna | Max PSD (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | 2.814 | 30 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | 2.617 | 30 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | 3.215 | 30 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | 2.642 | 30 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | 2.701 | 30 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | 2.751 | 30 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | -0.206 | 30 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | -0.141 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | 2.055 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | 2.297 | 30 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | 1.893 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | -0.342 | 30 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | 0.298 | 30 | Pass |

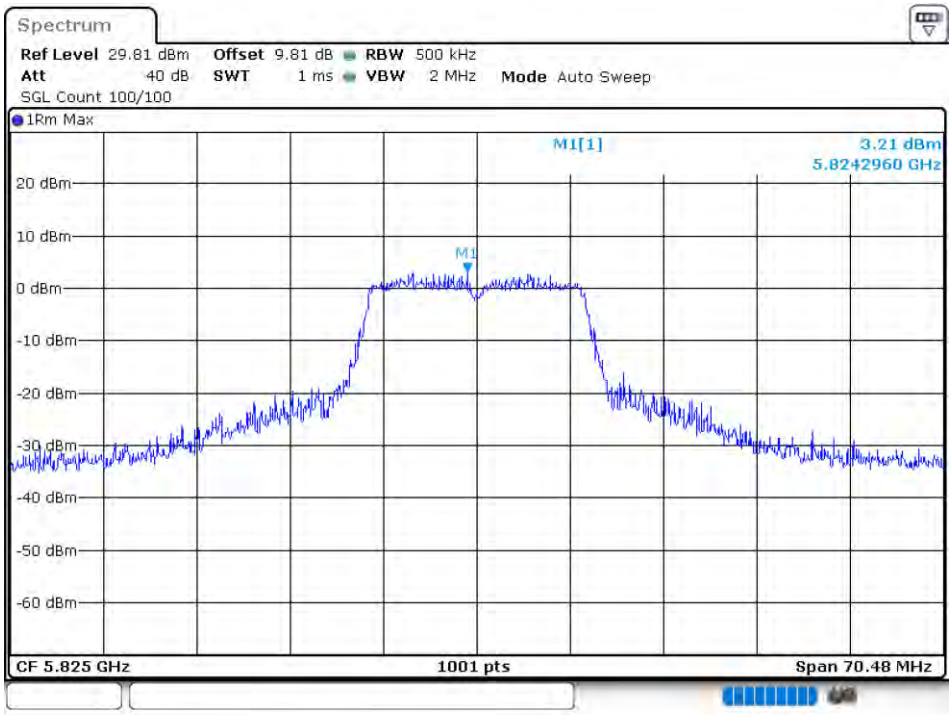
PSD NVNT 802.11a 5745MHz Ant1



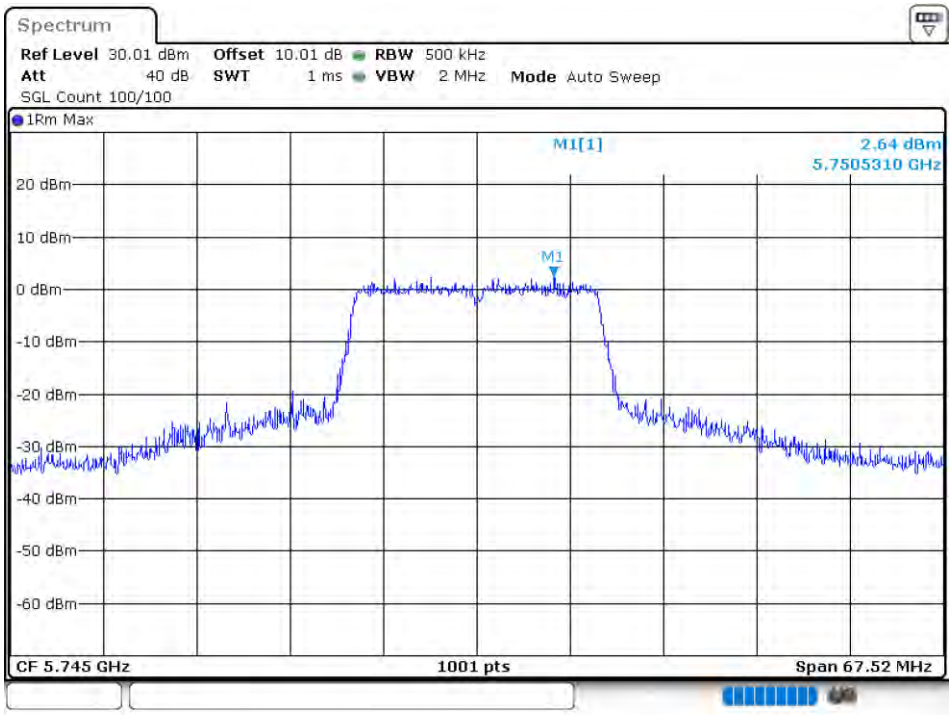
PSD NVNT 802.11a 5785MHz Ant1



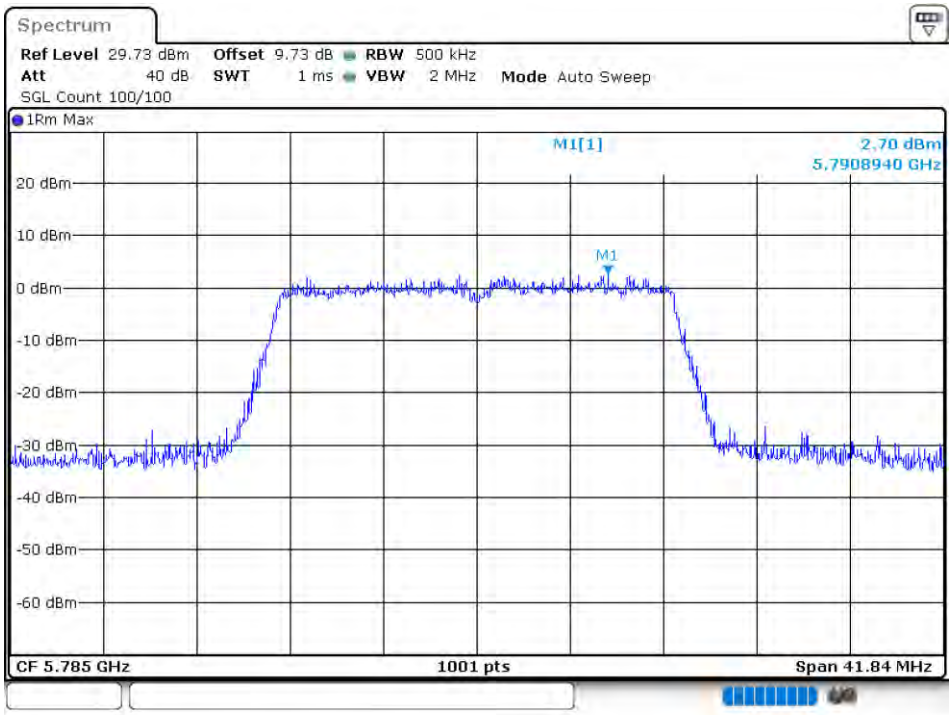

PSD NVNT 802.11a 5825MHz Ant1



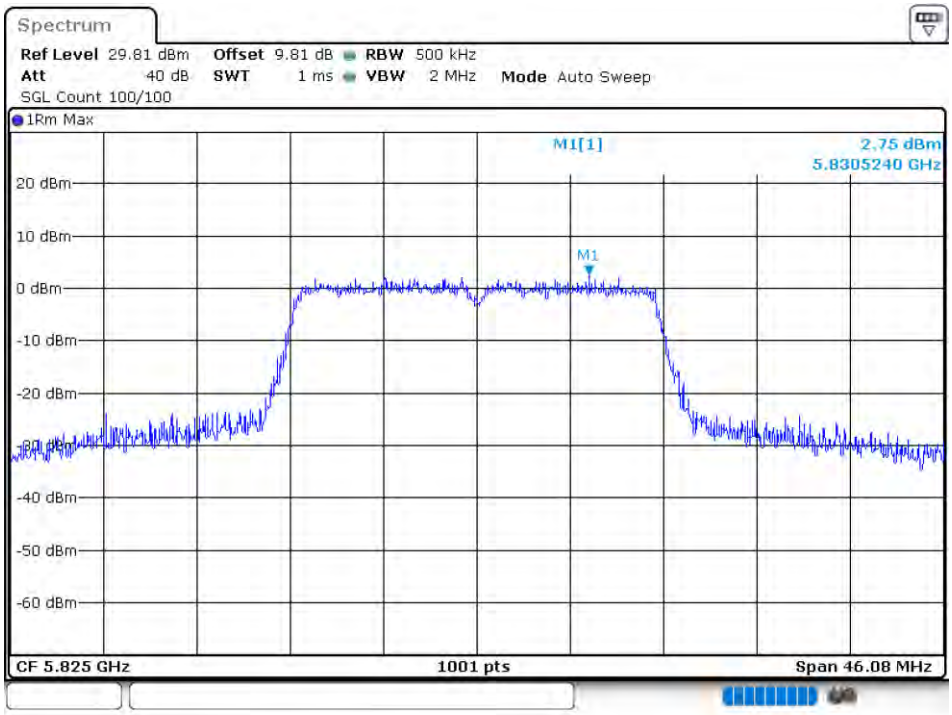
PSD NVNT 802.11ac20 5745MHz Ant1



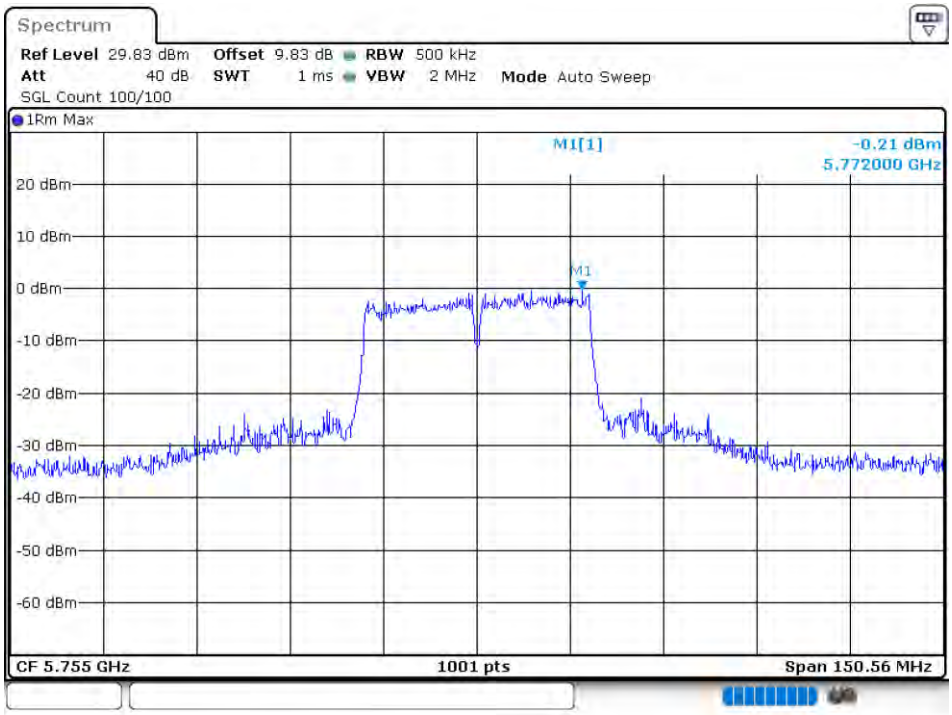

PSD NVNT 802.11ac20 5785MHz Ant1



PSD NVNT 802.11ac20 5825MHz Ant1

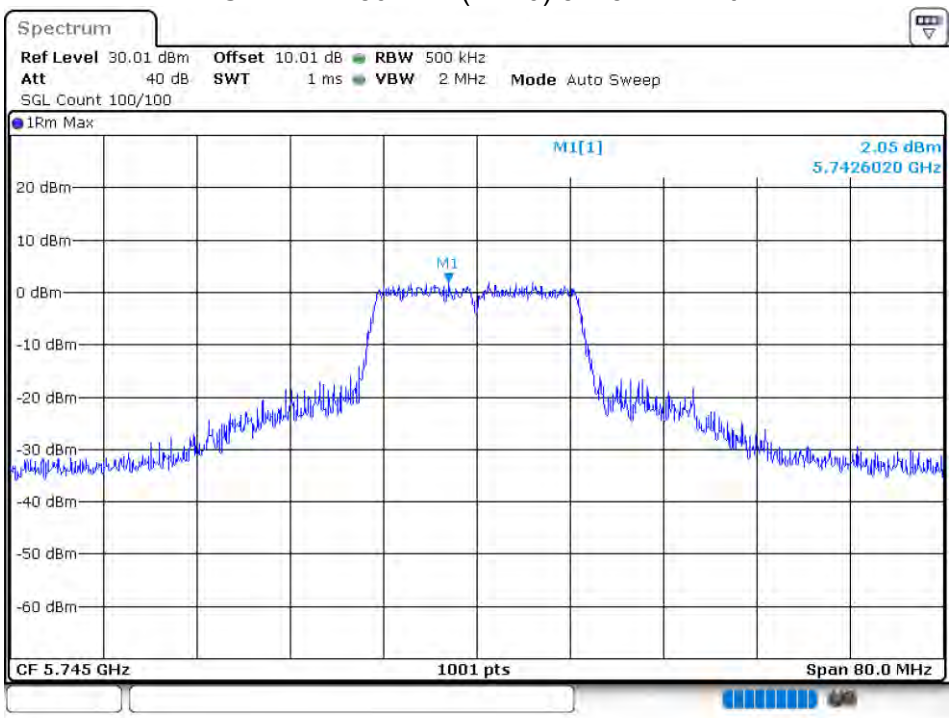



PSD NVNT 802.11ac40 5755MHz Ant1

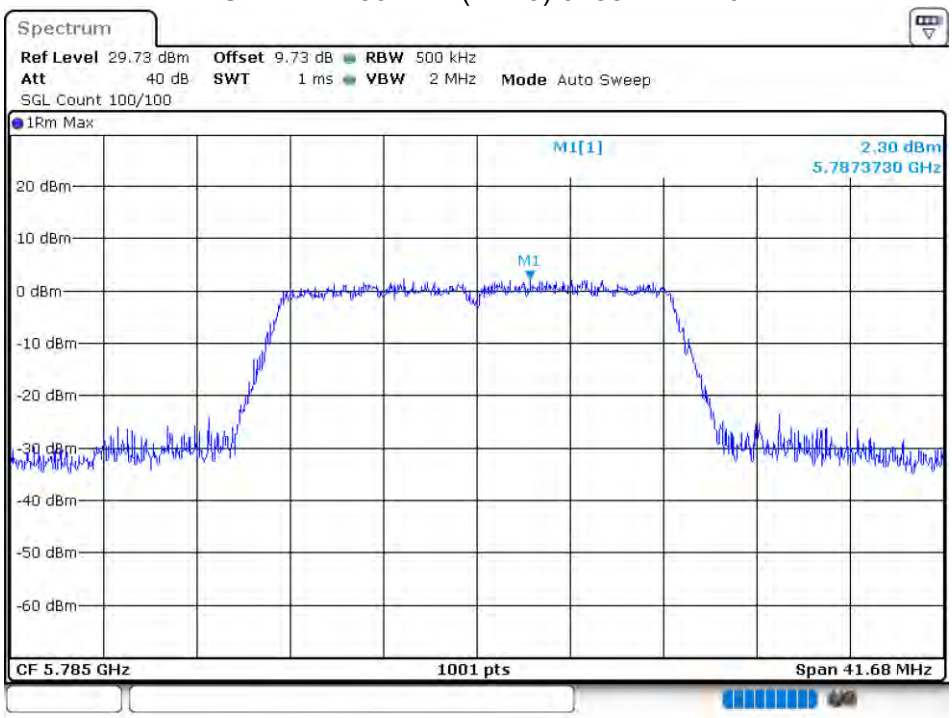


PSD NVNT 802.11ac40 5795MHz Ant1

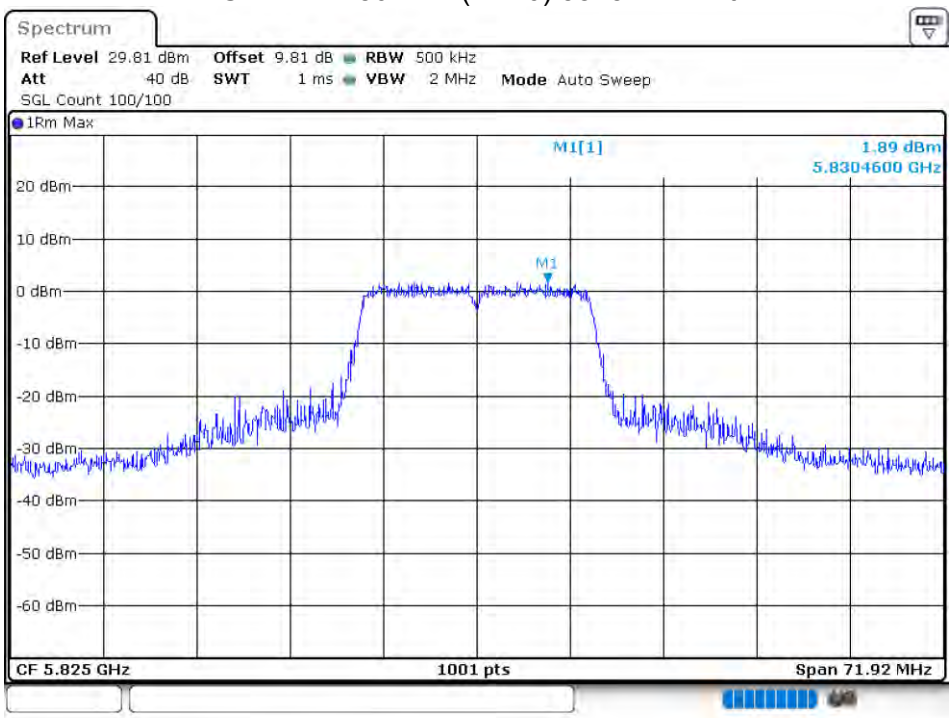
PSD NVNT 802.11n(HT20) 5745MHz Ant1



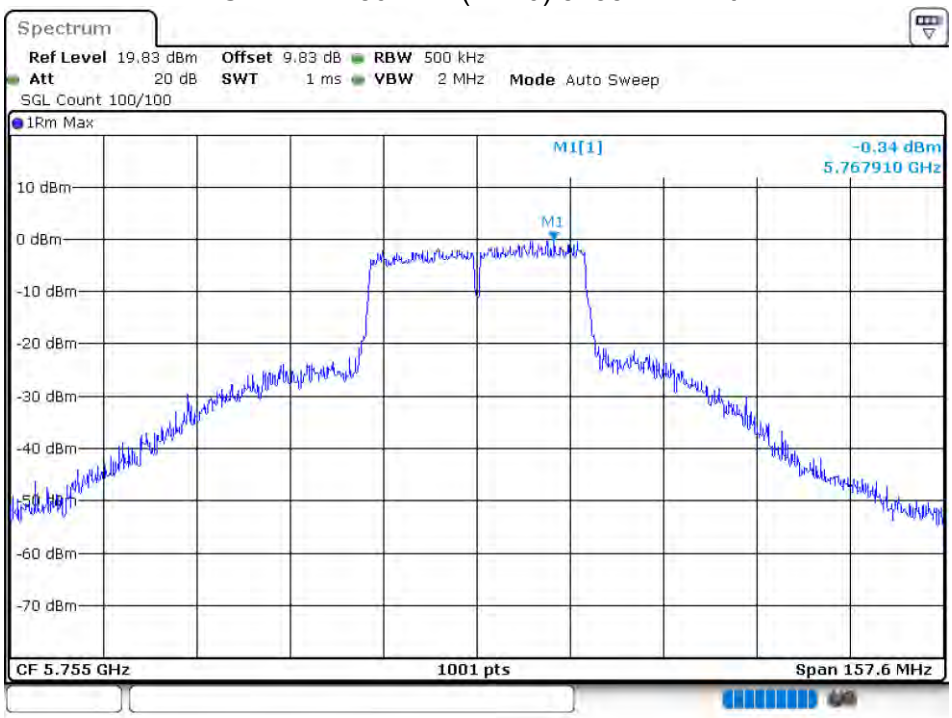
PSD NVNT 802.11n(HT20) 5785MHz Ant1



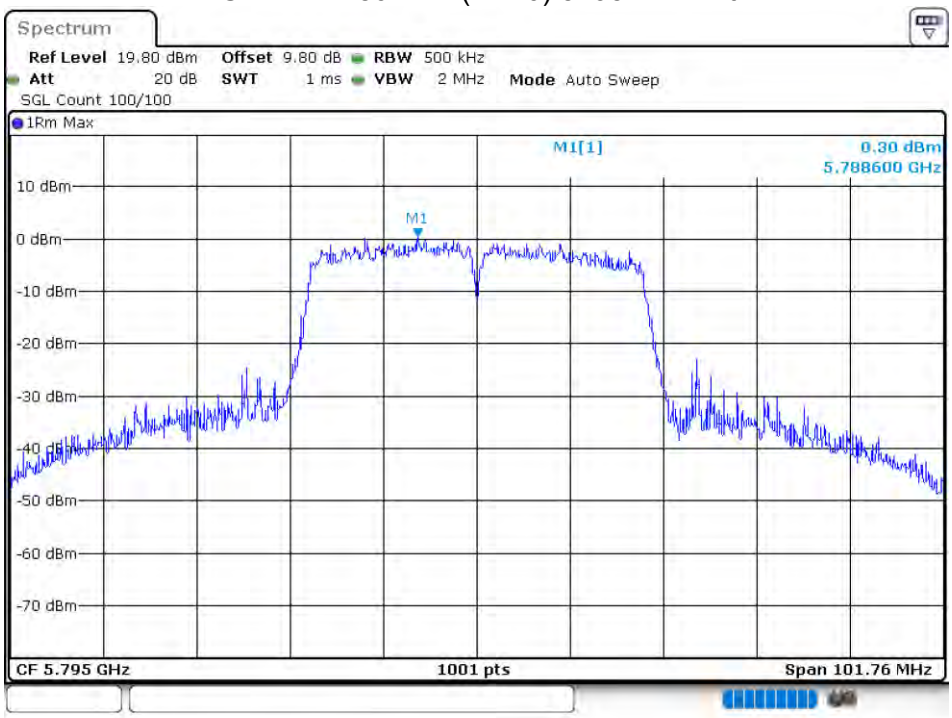

PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1



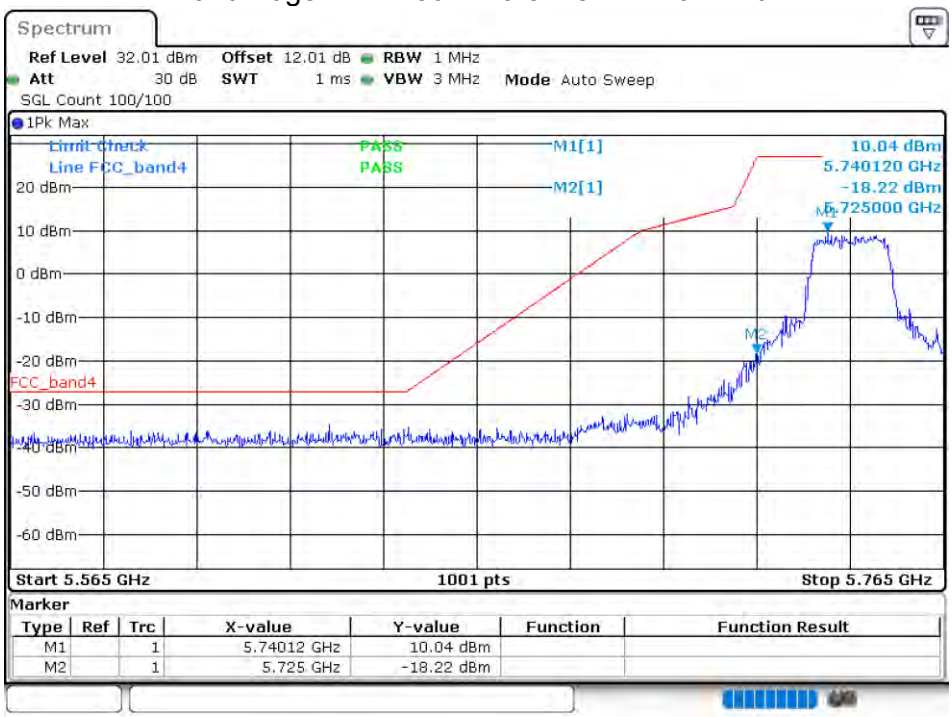

PSD NVNT 802.11n(HT40) 5795MHz Ant1



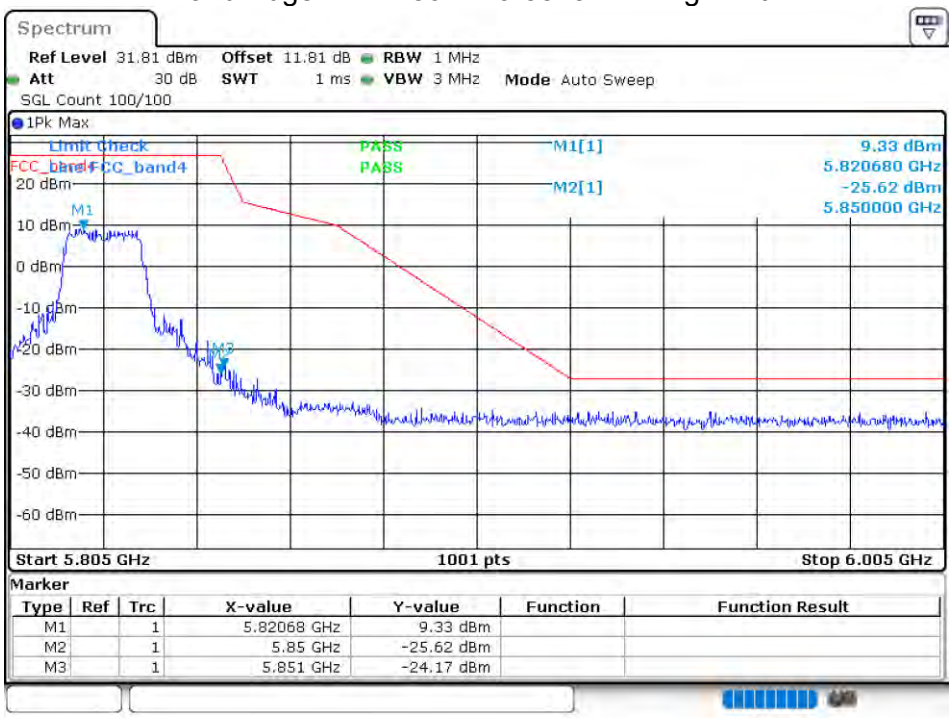
**5.12 BAND EDGE**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Verdict |
|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | -18.21 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | -24.16 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | -16.48 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | -26.11 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | -18.05 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | -33.35 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | -14.69 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | -23.13 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | -15.27 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | -34.17 | Pass |

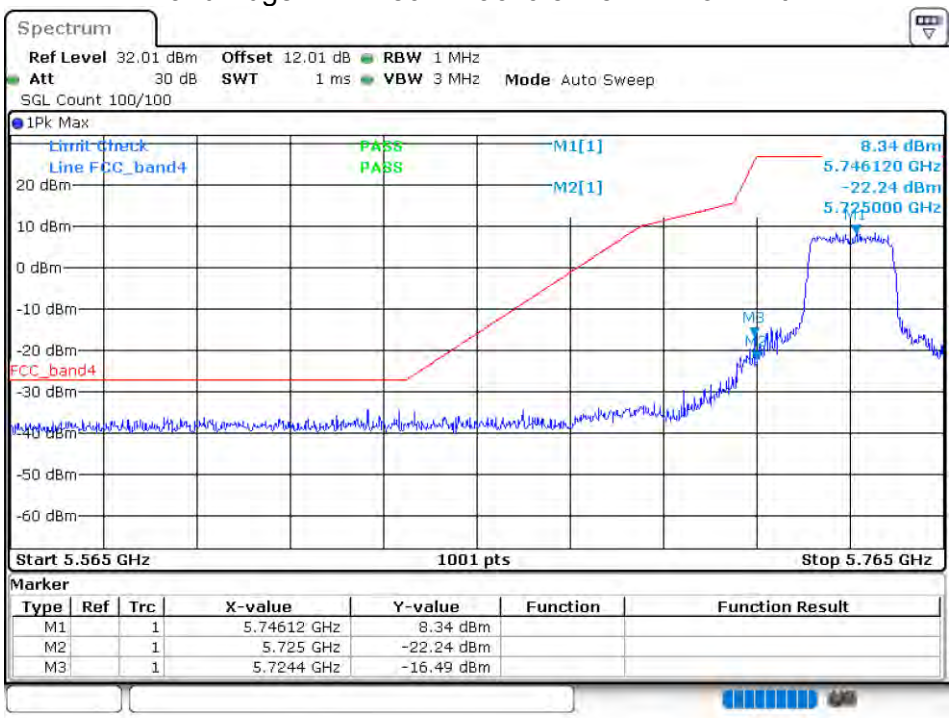
Band Edge NVNT 802.11a 5745MHz Low Ant1



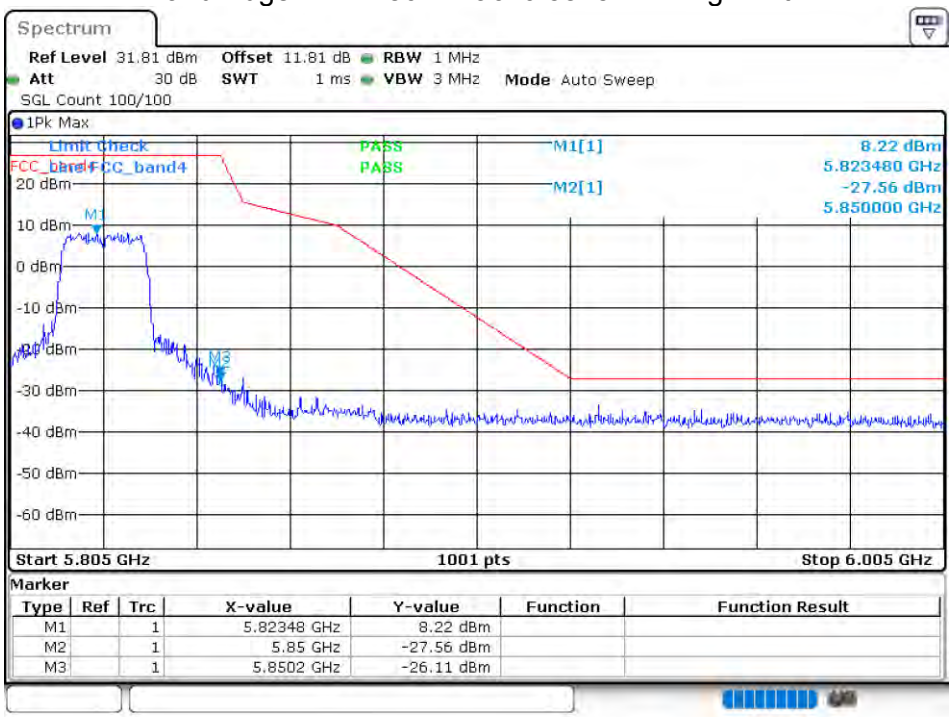
Band Edge NVNT 802.11a 5825MHz High Ant1



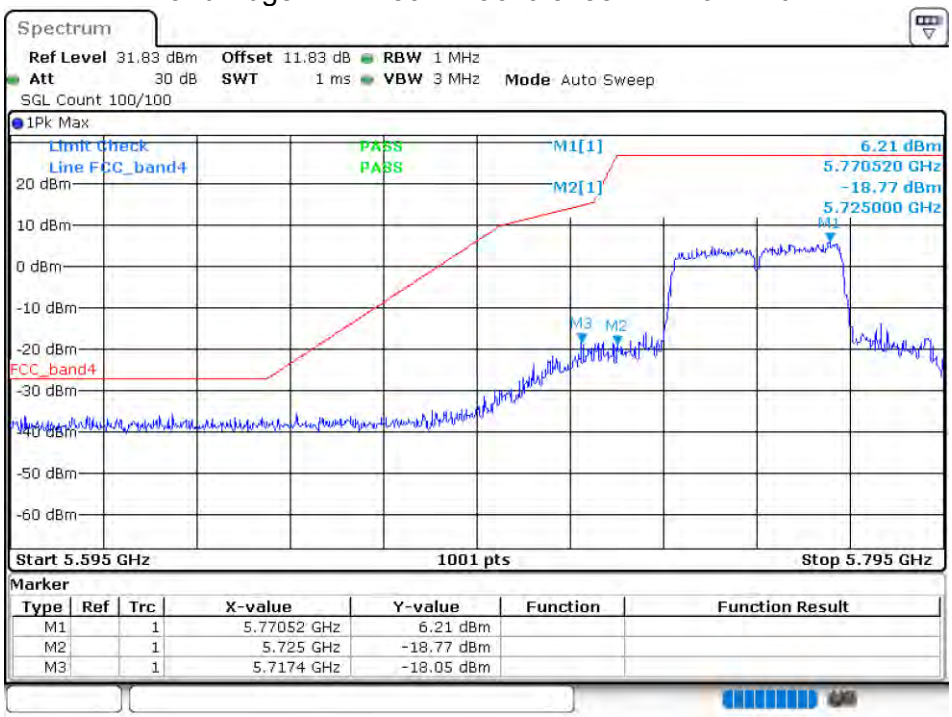

Band Edge NVNT 802.11ac20 5745MHz Low Ant1



Band Edge NVNT 802.11ac20 5825MHz High Ant1

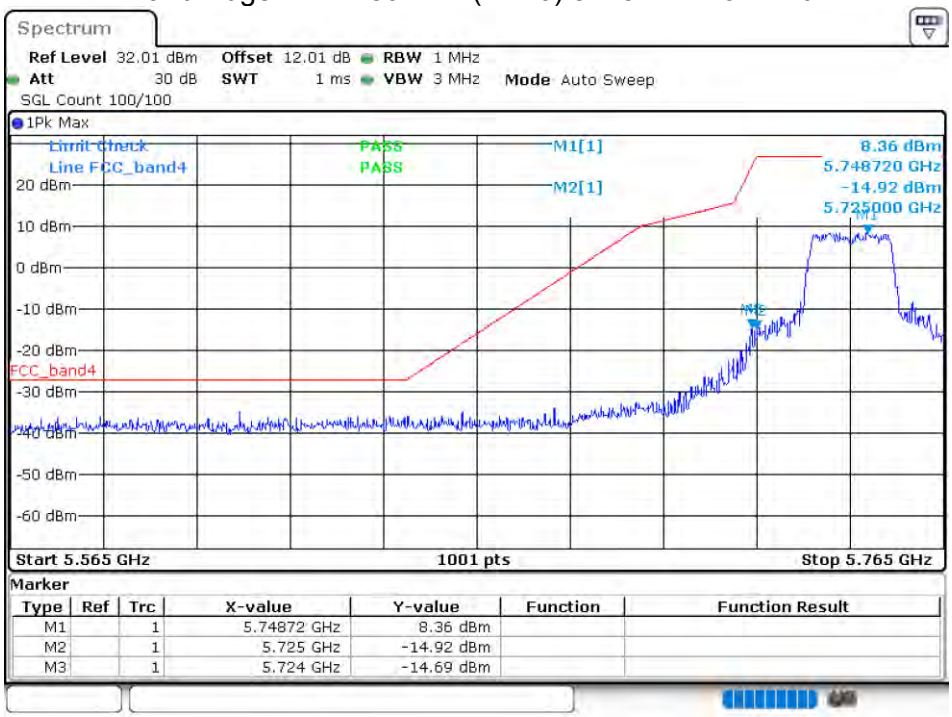



Band Edge NVNT 802.11ac40 5755MHz Low Ant1

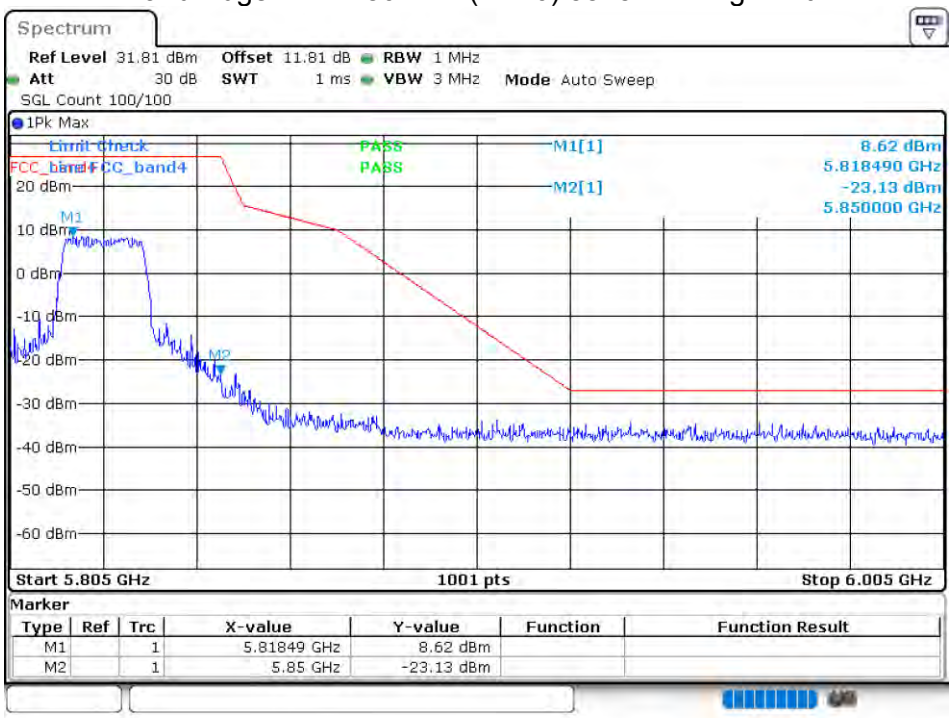


Band Edge NVNT 802.11ac40 5795MHz High Ant1

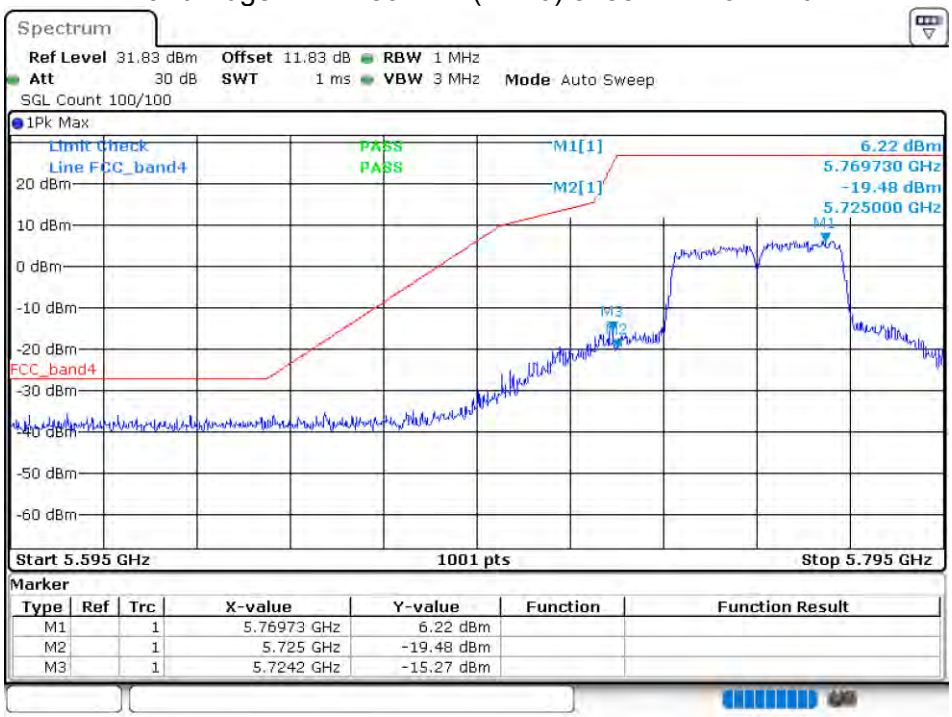
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1



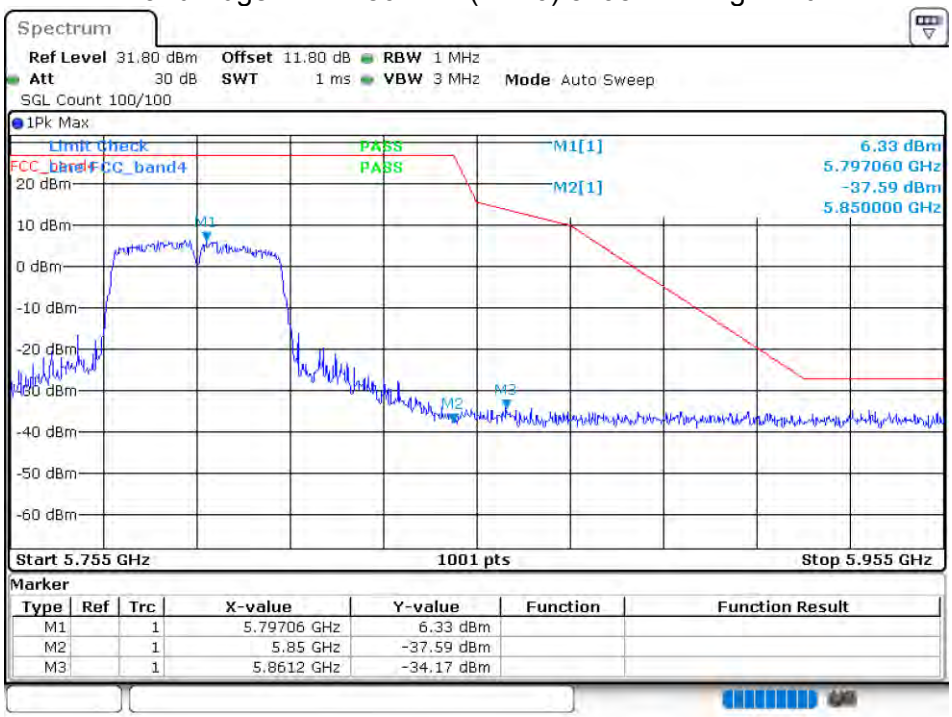
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1




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



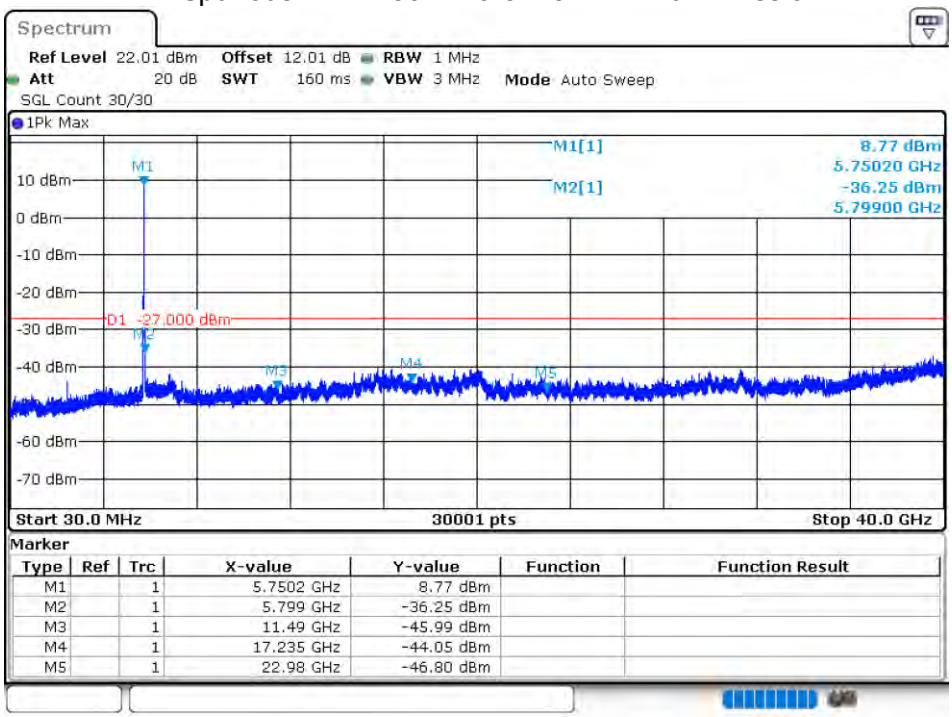
Band Edge NVNT 802.11n(HT40) 5795MHz High Ant1



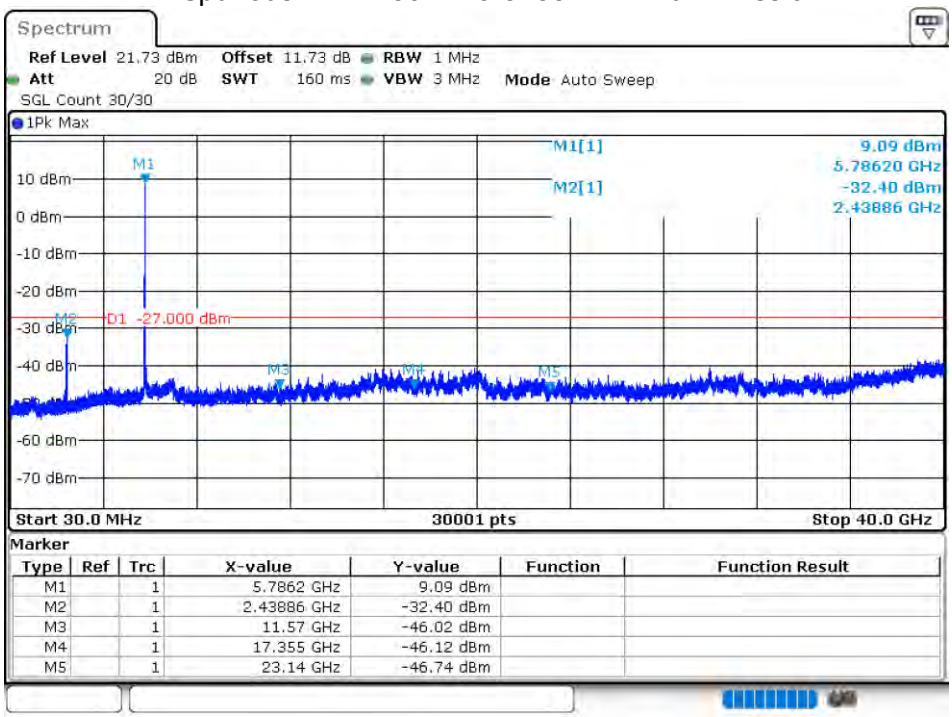
### 5.13 CONDUCTED RF SPURIOUS EMISSION

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | -36.24 | -27 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | -32.39 | -27 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | -37 | -27 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | -37.84 | -27 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | -36.8 | -27 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | -38.04 | -27 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | -37.14 | -27 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | -38 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | -36.13 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | -30.65 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | -36.1 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | -37.97 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | -36.63 | -27 | Pass |

Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



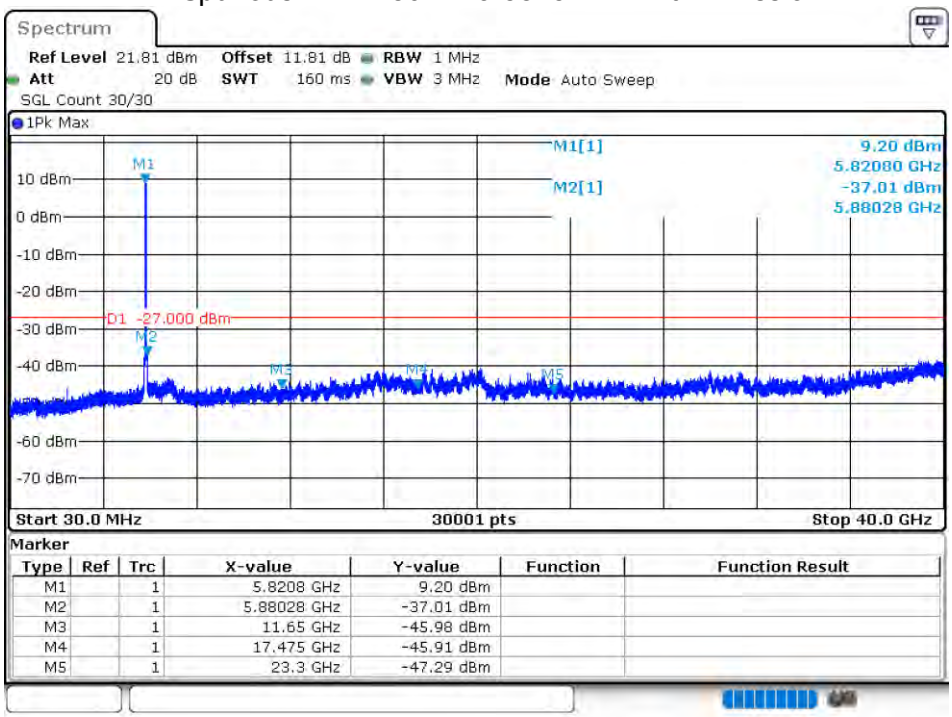
Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7862 GHz | 9.09 dBm | | |
| M2 | | 1 | 2.43886 GHz | -32.40 dBm | | |
| M3 | | 1 | 11.57 GHz | -46.02 dBm | | |
| M4 | | 1 | 17.355 GHz | -46.12 dBm | | |
| M5 | | 1 | 23.14 GHz | -46.74 dBm | | |

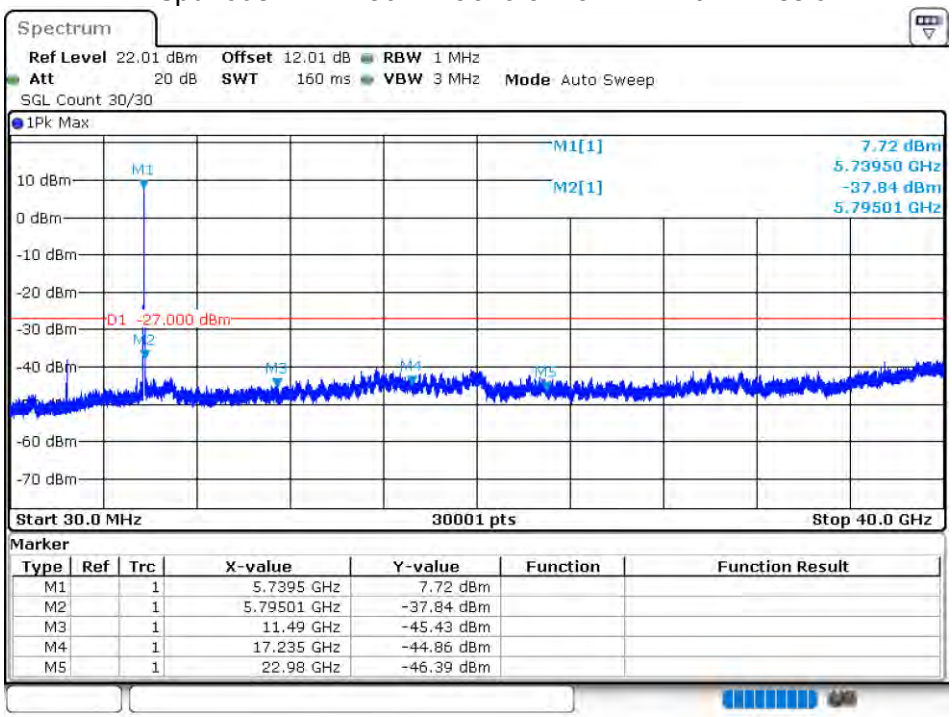
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.8208 GHz | 9.20 dBm | | |
| M2 | | 1 | 5.88028 GHz | -37.01 dBm | | |
| M3 | | 1 | 11.65 GHz | -45.98 dBm | | |
| M4 | | 1 | 17.475 GHz | -45.91 dBm | | |
| M5 | | 1 | 23.3 GHz | -47.29 dBm | | |

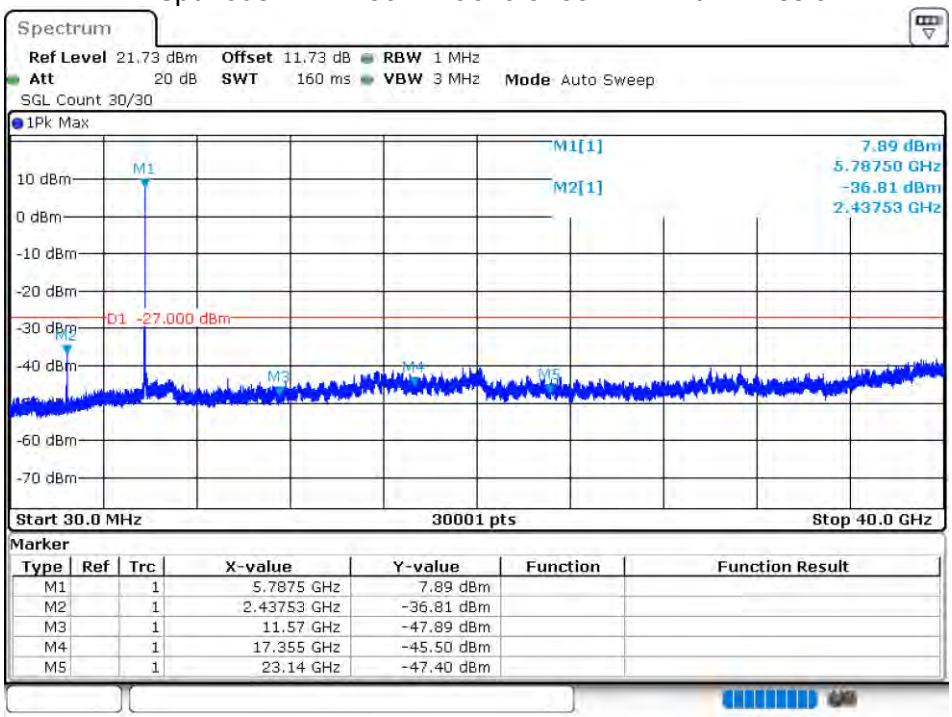
Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7395 GHz | 7.72 dBm | | |
| M2 | | 1 | 5.79501 GHz | -37.84 dBm | | |
| M3 | | 1 | 11.49 GHz | -45.43 dBm | | |
| M4 | | 1 | 17.235 GHz | -44.86 dBm | | |
| M5 | | 1 | 22.98 GHz | -46.39 dBm | | |

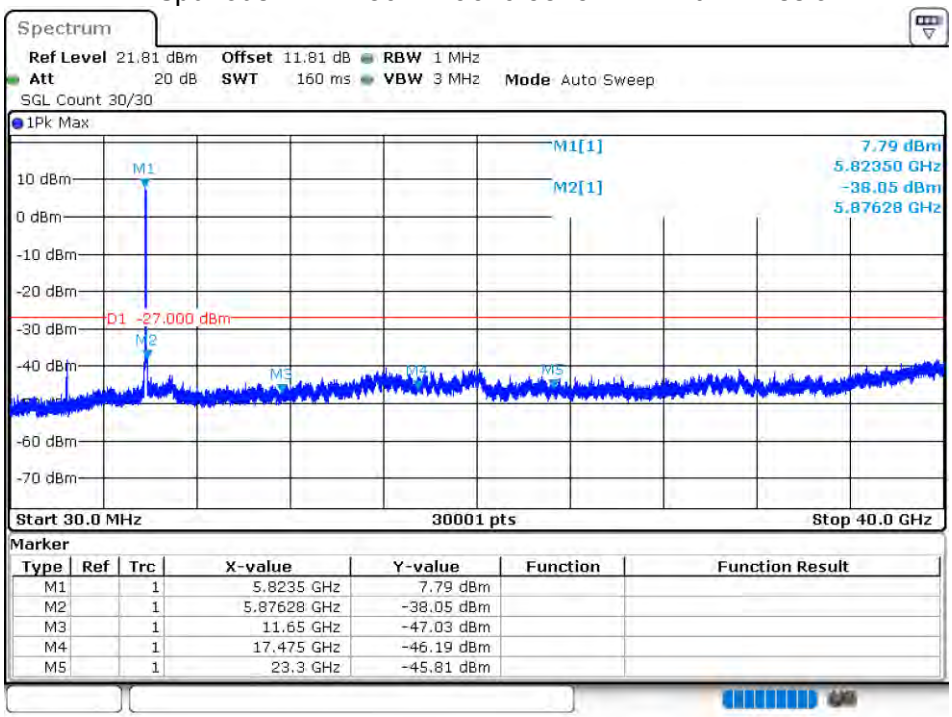
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7875 GHz | 7.89 dBm | | |
| M2 | | 1 | 2.43753 GHz | -36.81 dBm | | |
| M3 | | 1 | 11.57 GHz | -47.89 dBm | | |
| M4 | | 1 | 17.355 GHz | -45.50 dBm | | |
| M5 | | 1 | 23.14 GHz | -47.40 dBm | | |

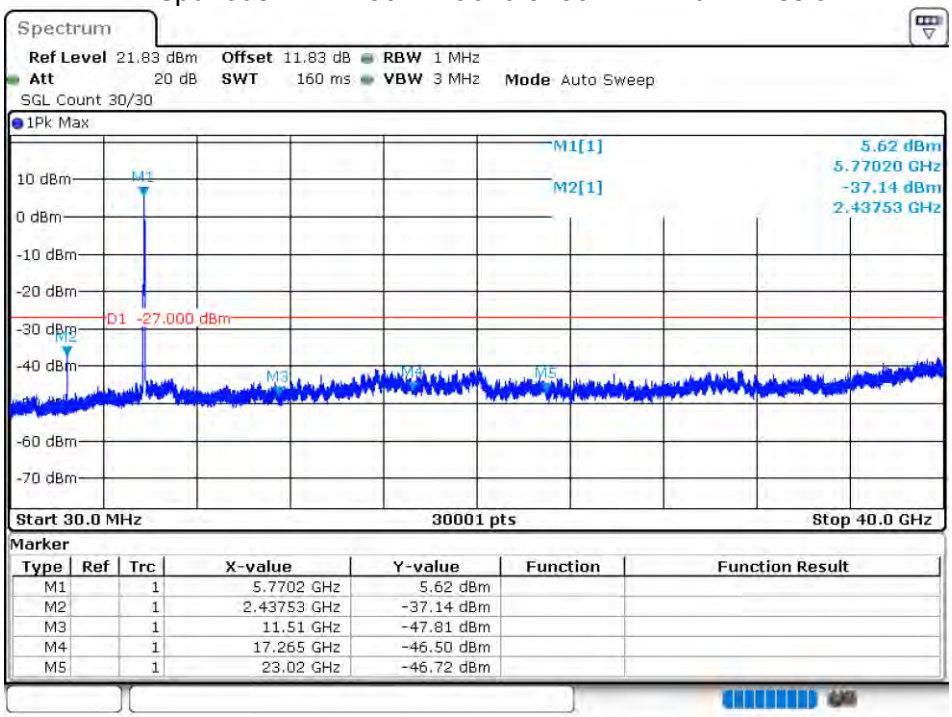
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.8235 GHz | 7.79 dBm | | |
| M2 | | 1 | 5.87628 GHz | -38.05 dBm | | |
| M3 | | 1 | 11.65 GHz | -47.03 dBm | | |
| M4 | | 1 | 17.475 GHz | -46.19 dBm | | |
| M5 | | 1 | 23.3 GHz | -45.81 dBm | | |

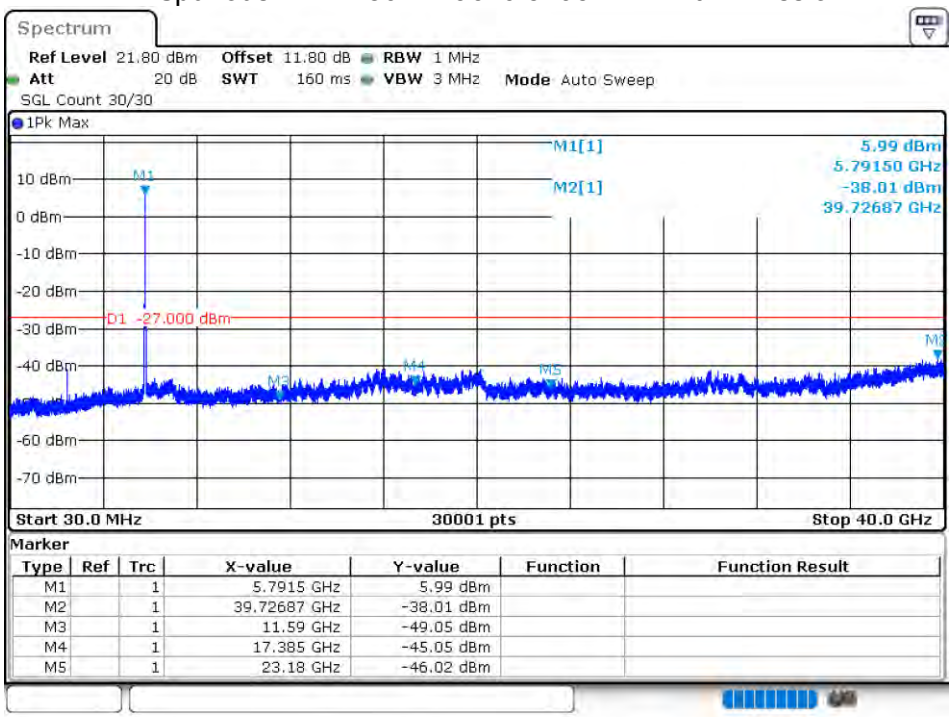
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7702 GHz | 5.62 dBm | | |
| M2 | | 1 | 2.43753 GHz | -37.14 dBm | | |
| M3 | | 1 | 11.51 GHz | -47.81 dBm | | |
| M4 | | 1 | 17.265 GHz | -46.50 dBm | | |
| M5 | | 1 | 23.02 GHz | -46.72 dBm | | |

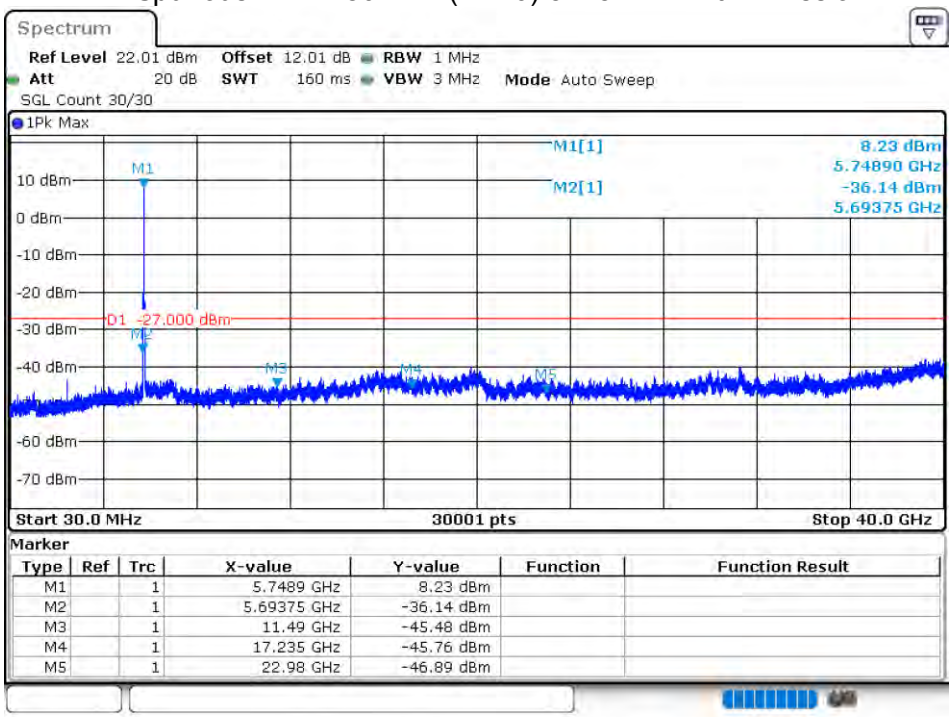
Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7915 GHz | 5.99 dBm | | |
| M2 | | 1 | 39.72687 GHz | -38.01 dBm | | |
| M3 | | 1 | 11.59 GHz | -49.05 dBm | | |
| M4 | | 1 | 17.385 GHz | -45.05 dBm | | |
| M5 | | 1 | 23.18 GHz | -46.02 dBm | | |

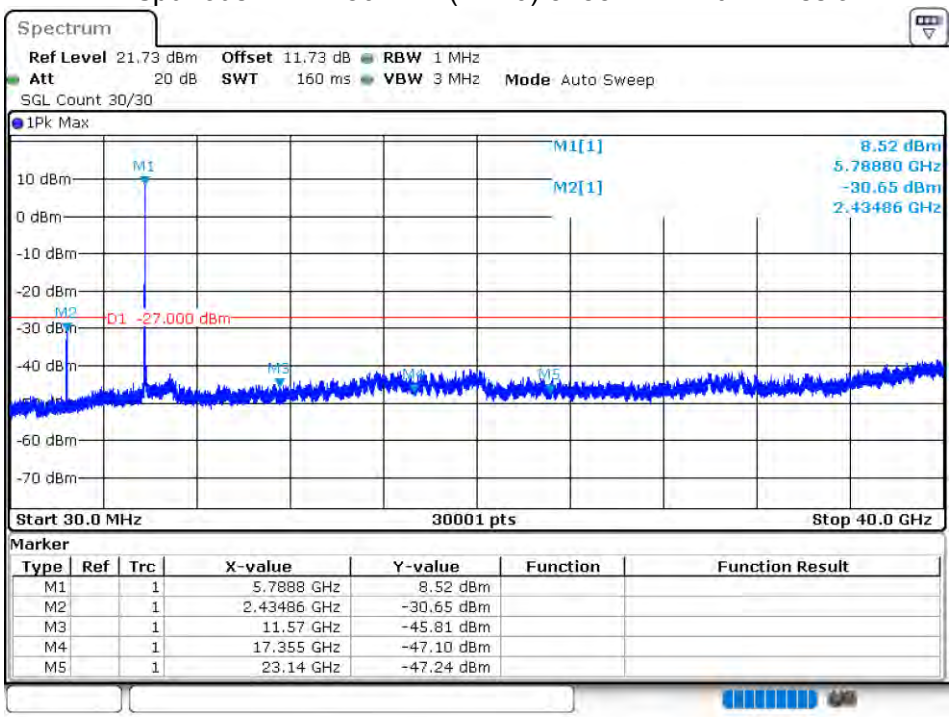
Tx. Spurious NVNT 802.11n(HT20) 5745MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7489 GHz | 8.23 dBm | | |
| M2 | | 1 | 5.69375 GHz | -36.14 dBm | | |
| M3 | | 1 | 11.49 GHz | -45.48 dBm | | |
| M4 | | 1 | 17.235 GHz | -45.76 dBm | | |
| M5 | | 1 | 22.98 GHz | -46.89 dBm | | |

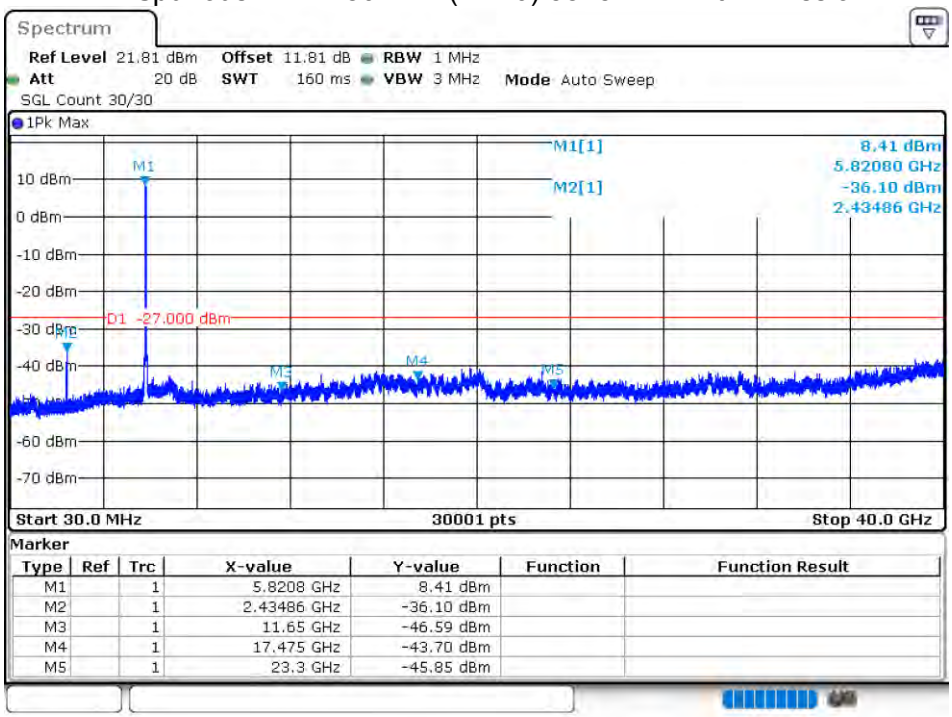
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7888 GHz | 8.52 dBm | | |
| M2 | | 1 | 2.43486 GHz | -30.65 dBm | | |
| M3 | | 1 | 11.57 GHz | -45.81 dBm | | |
| M4 | | 1 | 17.355 GHz | -47.10 dBm | | |
| M5 | | 1 | 23.14 GHz | -47.24 dBm | | |

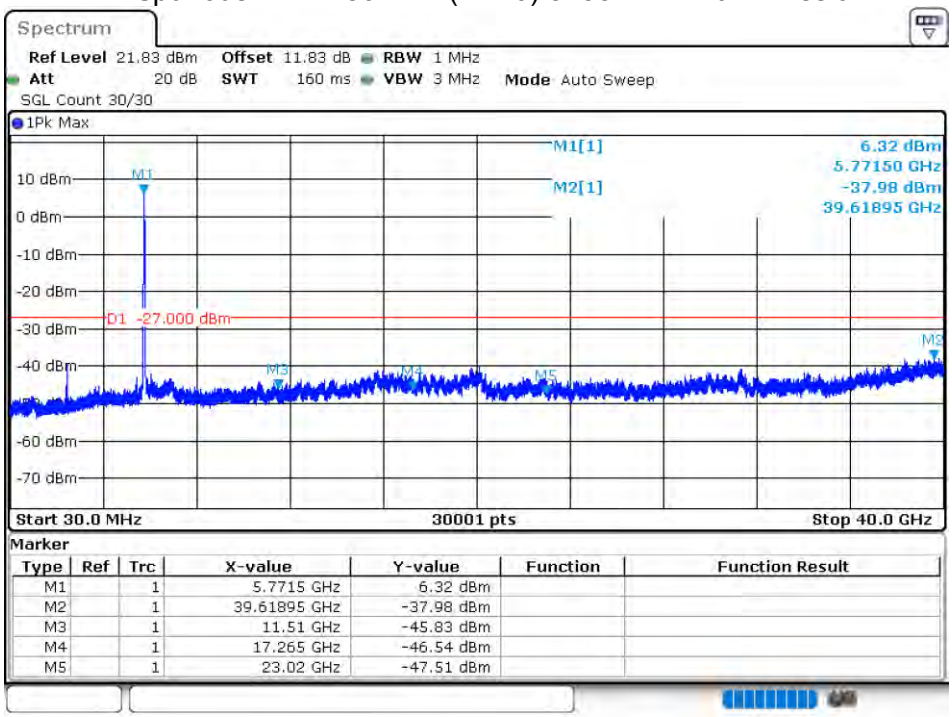
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.8208 GHz | 8.41 dBm | | |
| M2 | | 1 | 2.43486 GHz | -36.10 dBm | | |
| M3 | | 1 | 11.65 GHz | -46.59 dBm | | |
| M4 | | 1 | 17.475 GHz | -43.70 dBm | | |
| M5 | | 1 | 23.3 GHz | -45.85 dBm | | |

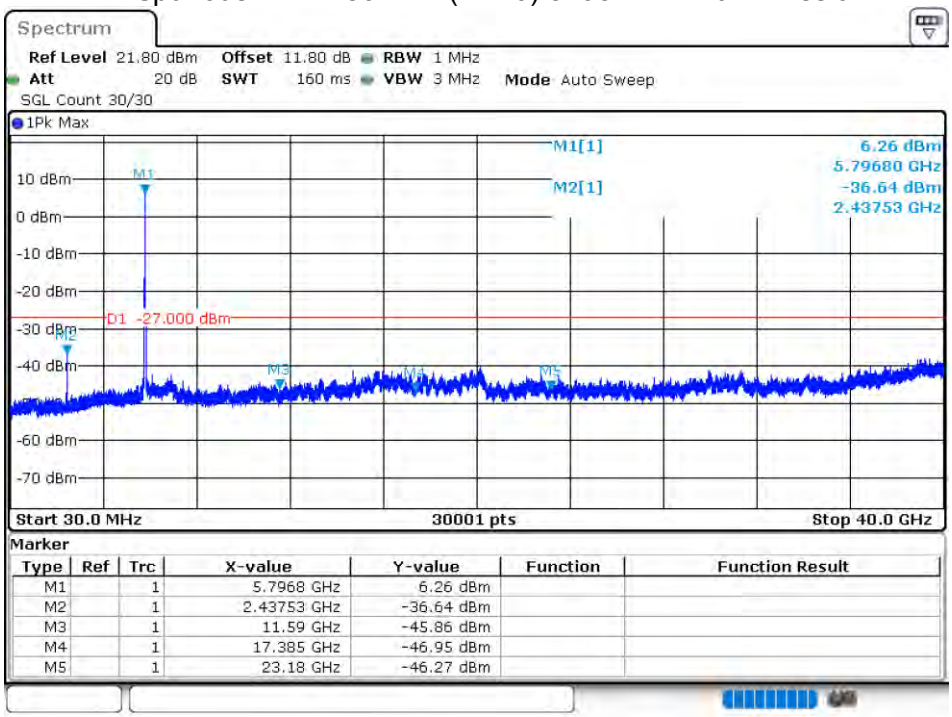
Tx. Spurious NVNT 802.11n(HT40) 5755MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7715 GHz | 6.32 dBm | | |
| M2 | | 1 | 39.61895 GHz | -37.98 dBm | | |
| M3 | | 1 | 11.51 GHz | -45.83 dBm | | |
| M4 | | 1 | 17.265 GHz | -46.54 dBm | | |
| M5 | | 1 | 23.02 GHz | -47.51 dBm | | |

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




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7968 GHz | 6.26 dBm | | |
| M2 | | 1 | 2.43753 GHz | -36.64 dBm | | |
| M3 | | 1 | 11.59 GHz | -45.86 dBm | | |
| M4 | | 1 | 17.385 GHz | -46.95 dBm | | |
| M5 | | 1 | 23.18 GHz | -46.27 dBm | | |

END OF REPORT