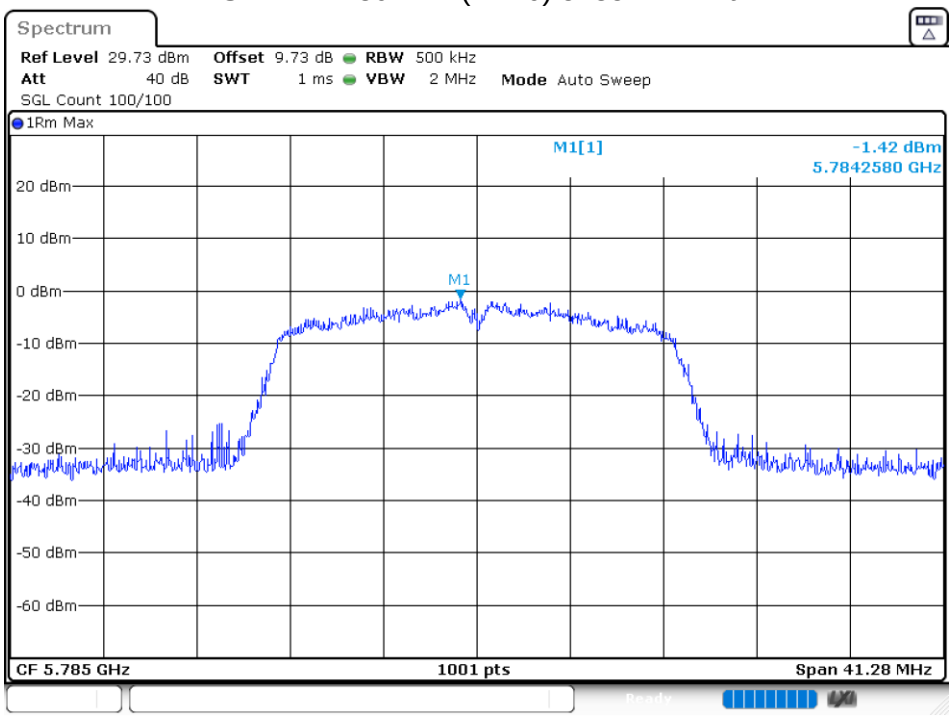
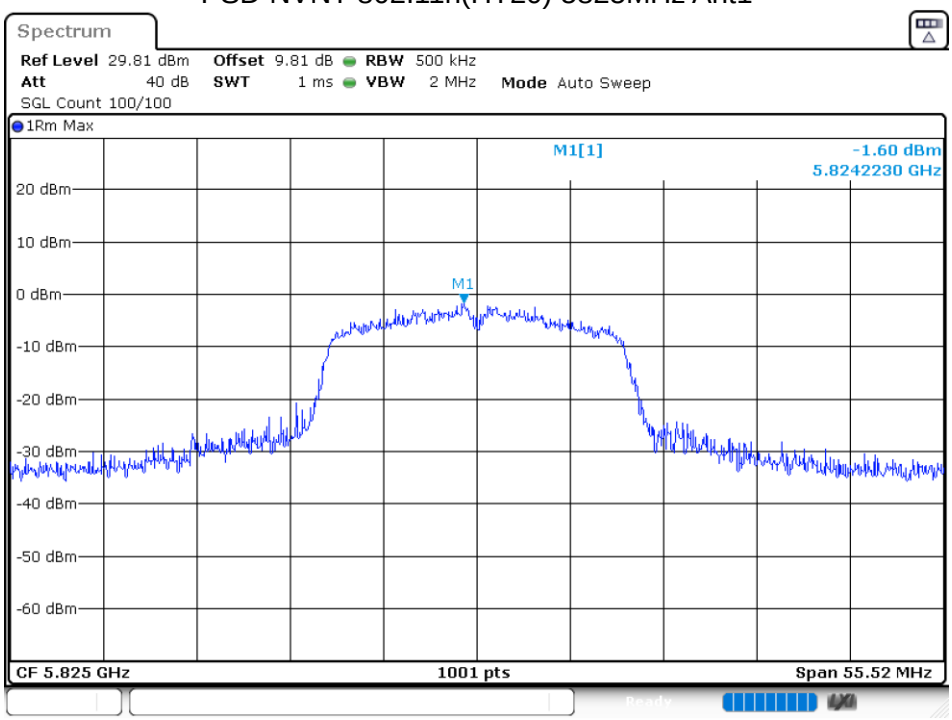
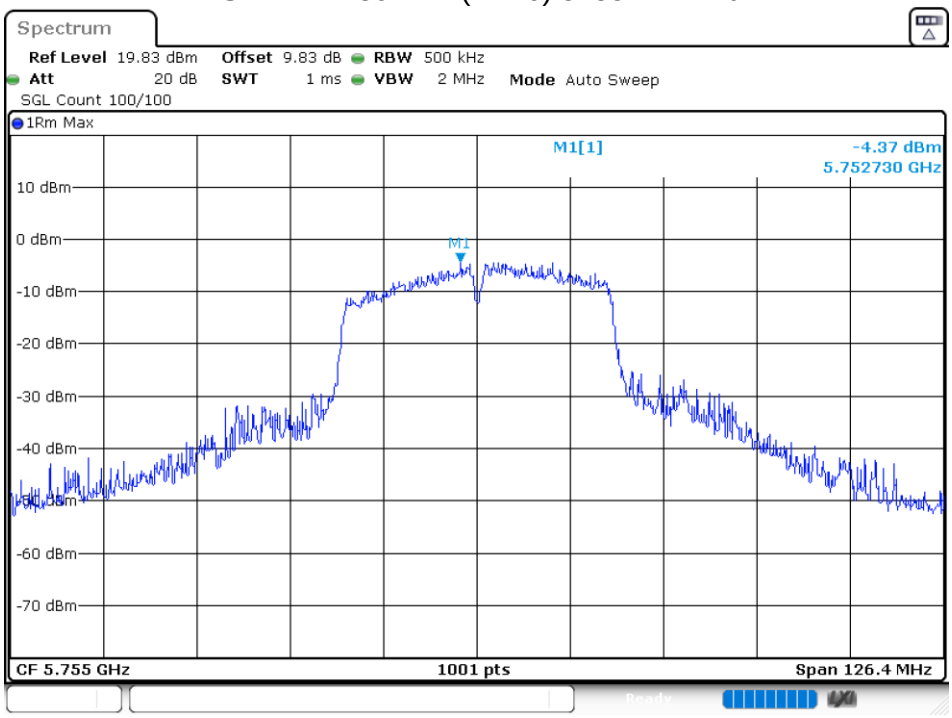
PSD NVNT 802.11n(HT20) 5785MHz Ant1



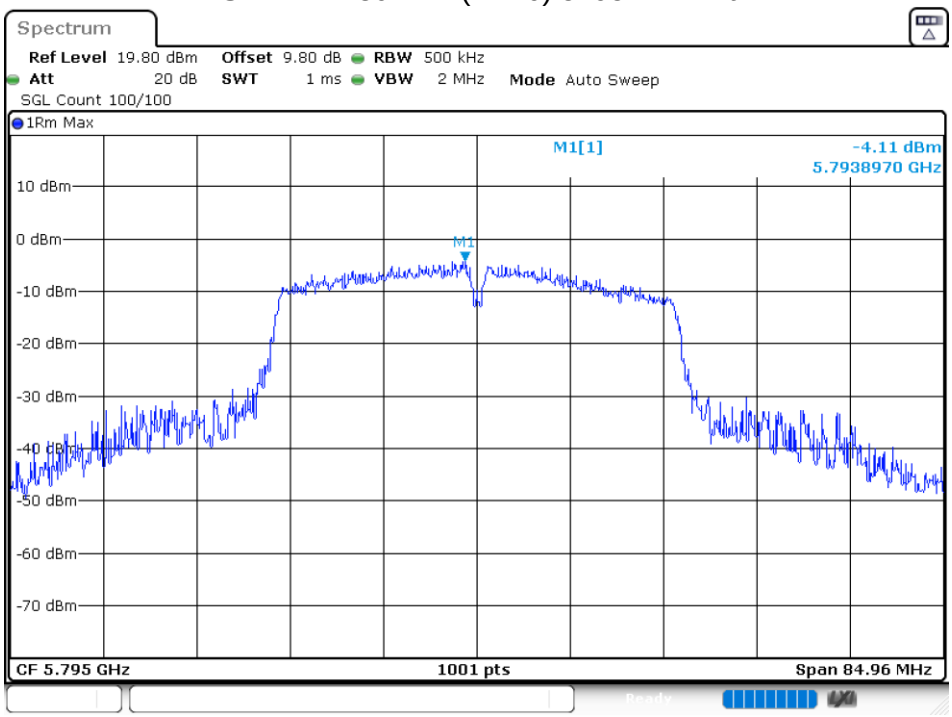

PSD NVNT 802.11n(HT20) 5825MHz Ant1



PSD NVNT 802.11n(HT40) 5755MHz Ant1




PSD NVNT 802.11n(HT40) 5795MHz Ant1

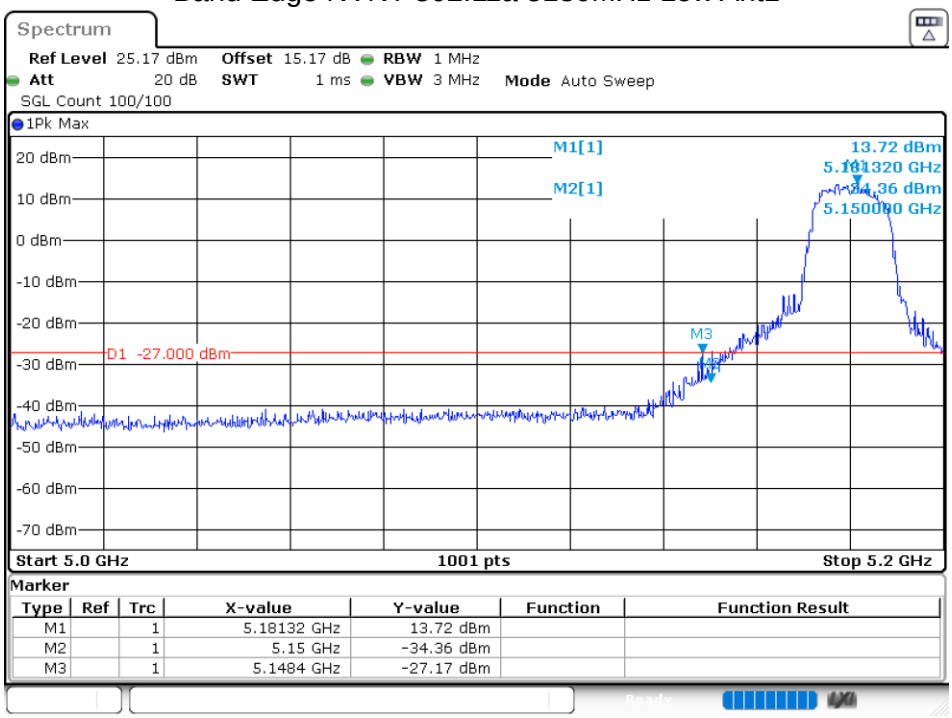


## 5.6 BAND EDGE

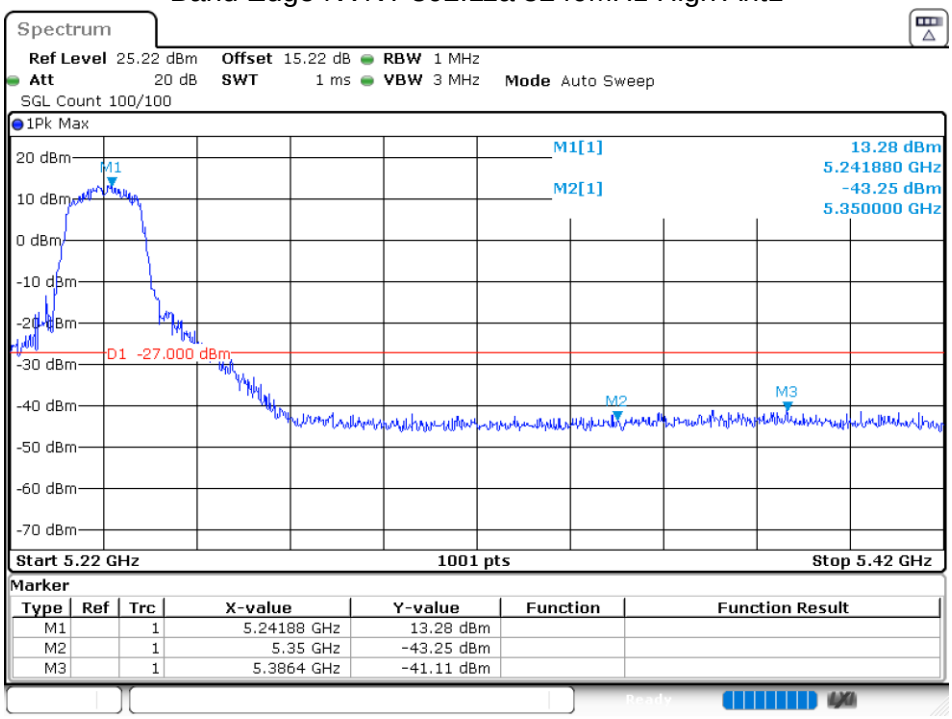
5.2G

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (EIRP dBm) | Limit (EIRP dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | -27.16 | -27 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | -41.11 | -27 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | -27.43 | -27 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | -40.39 | -27 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -27.62 | -27 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | -41.05 | -27 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | -42.22 | -27 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | -27.66 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | -27.96 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | -40.19 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -29.59 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -40.63 | -27 | Pass |

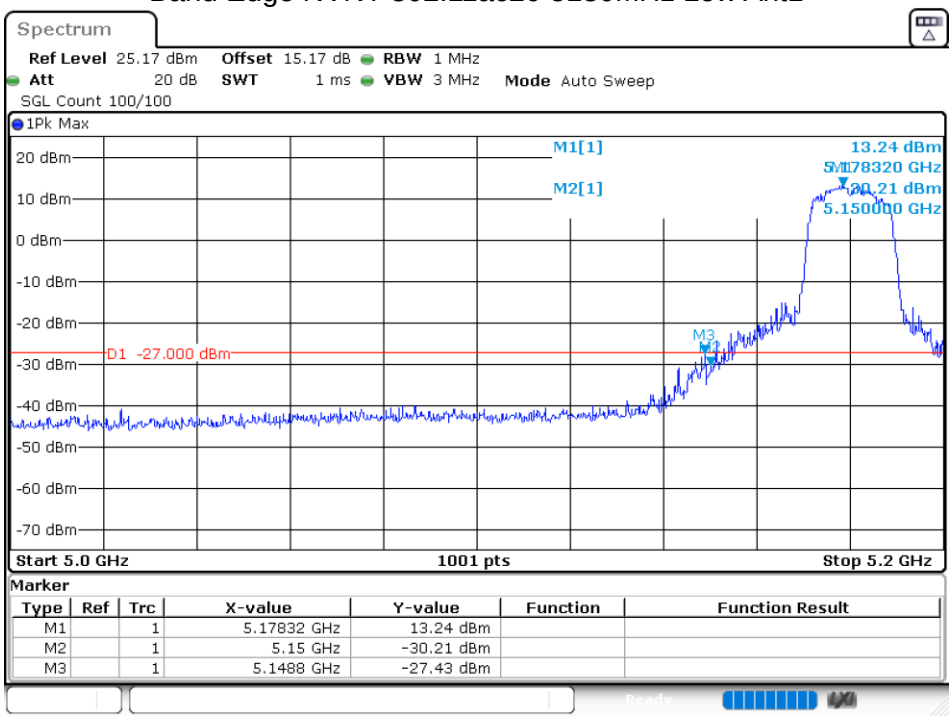
Band Edge NVNT 802.11a 5180MHz Low Ant1



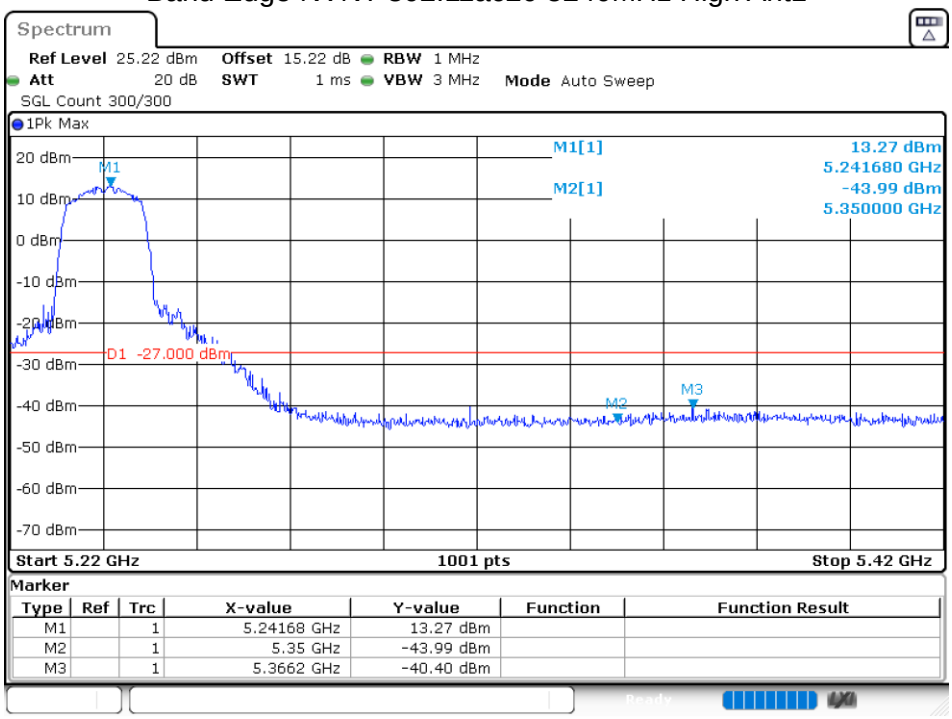
Band Edge NVNT 802.11a 5240MHz High Ant1




Band Edge NVNT 802.11ac20 5180MHz Low Ant1



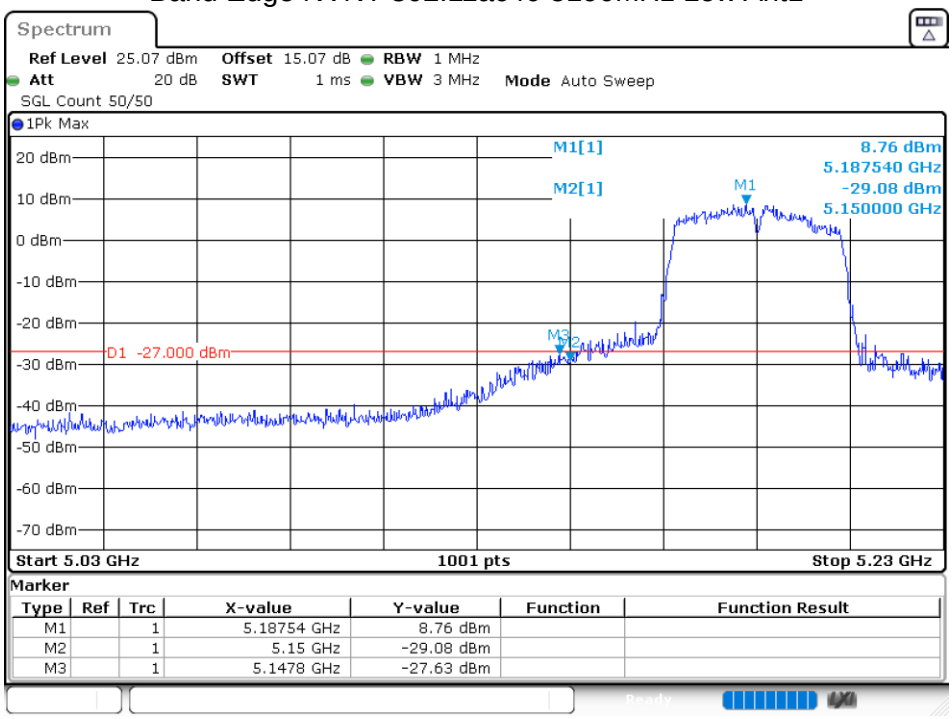
Band Edge NVNT 802.11ac20 5240MHz High Ant1




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.24168 GHz | 13.27 dBm | | |
| M2 | | 1 | 5.35 GHz | -43.99 dBm | | |
| M3 | | 1 | 5.3662 GHz | -40.40 dBm | | |

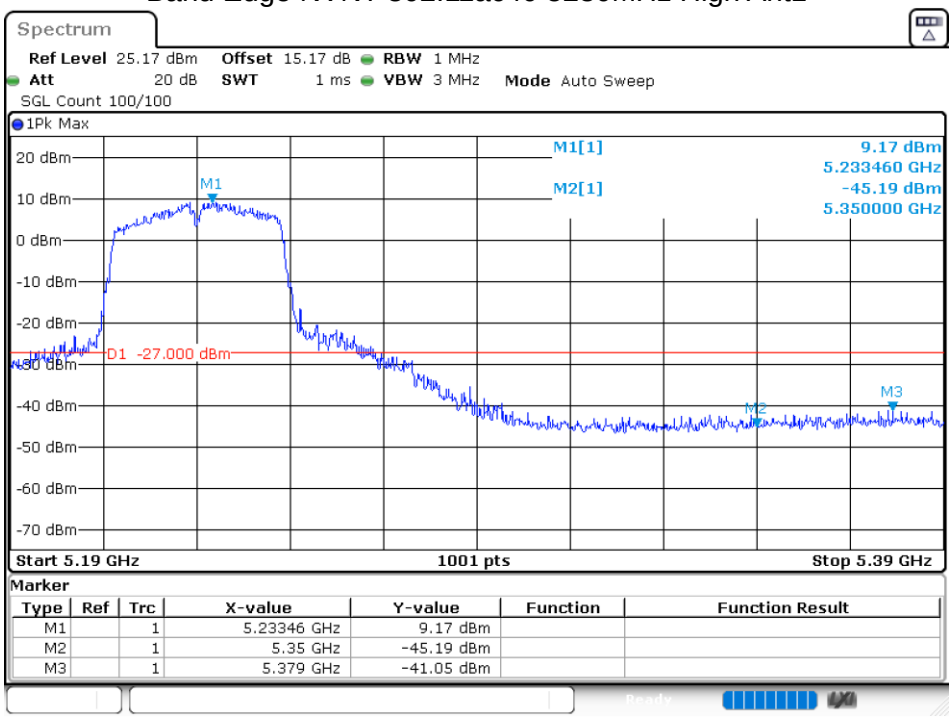
Band Edge NVNT 802.11ac40 5190MHz Low Ant1



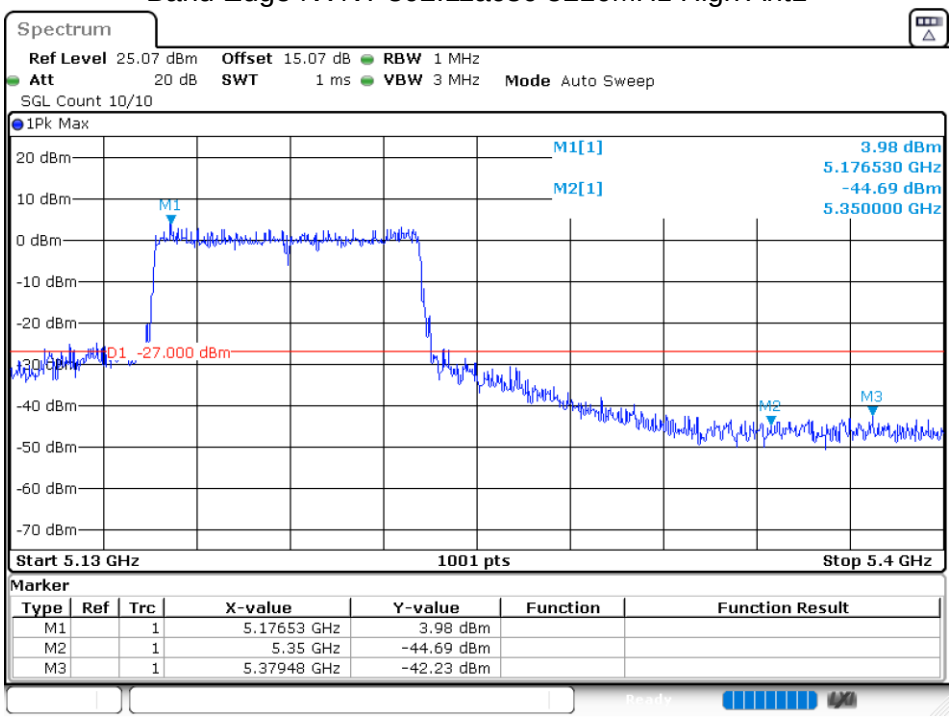

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.18754 GHz | 8.76 dBm | | |
| M2 | | 1 | 5.15 GHz | -29.08 dBm | | |
| M3 | | 1 | 5.1478 GHz | -27.63 dBm | | |

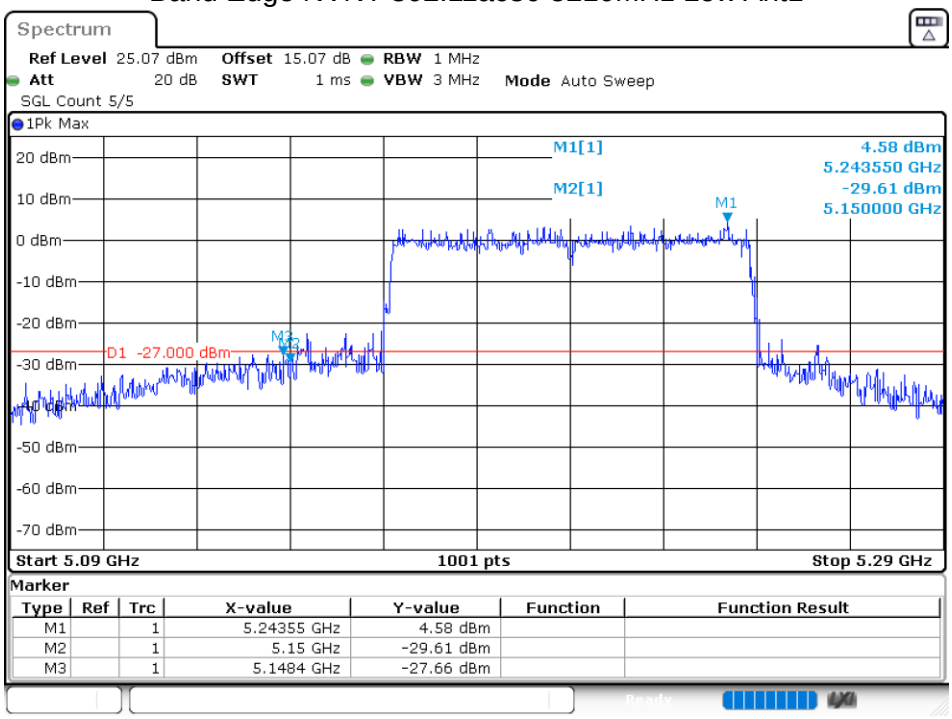
Band Edge NVNT 802.11ac40 5230MHz High Ant1



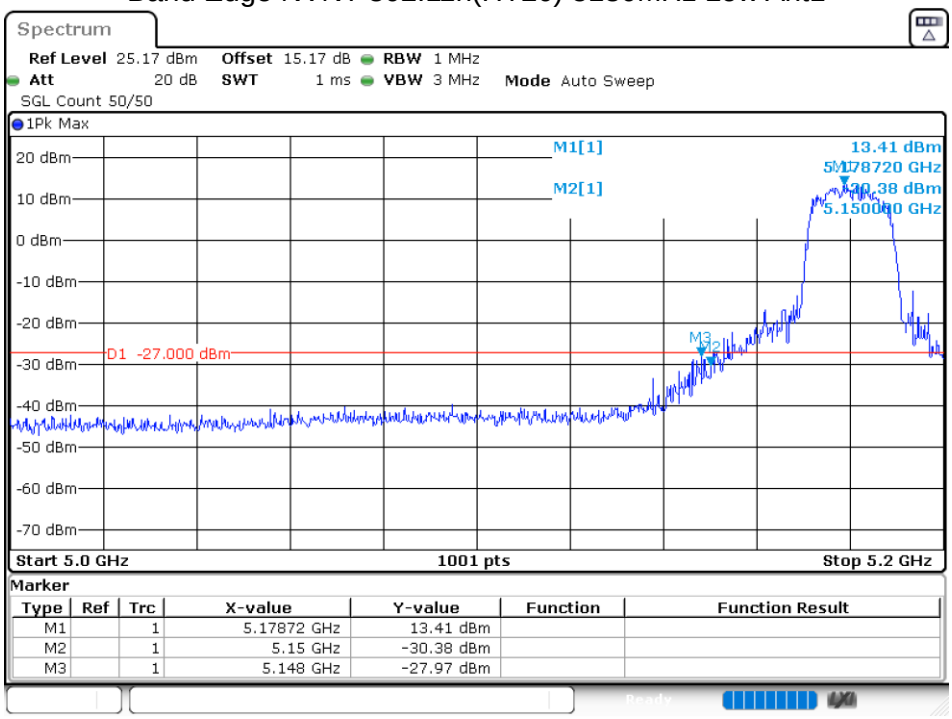

Band Edge NVNT 802.11ac80 5210MHz High Ant1



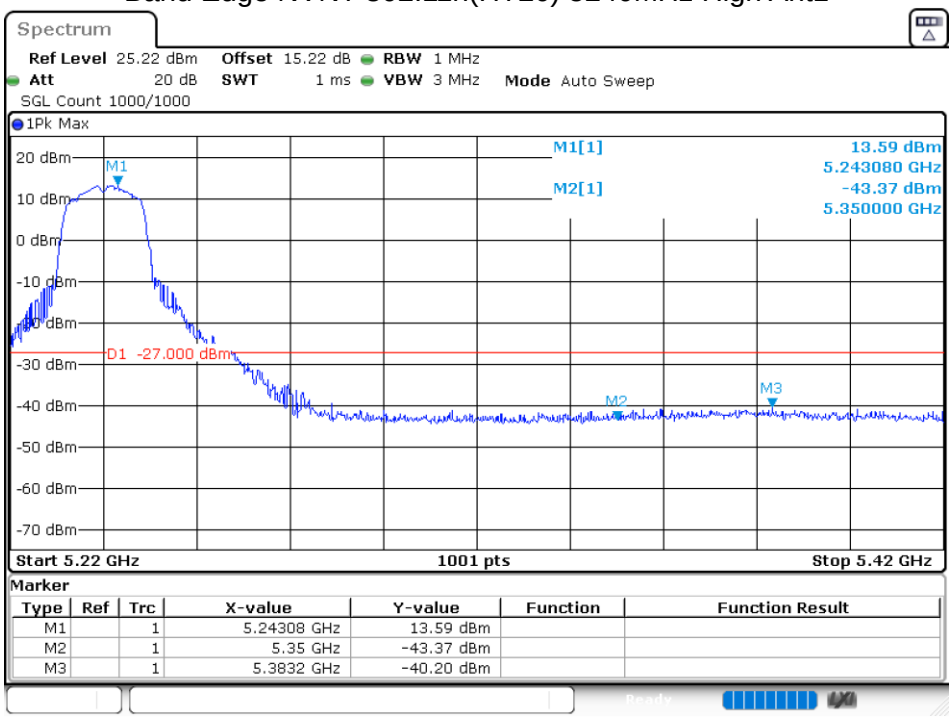
Band Edge NVNT 802.11ac80 5210MHz Low Ant1



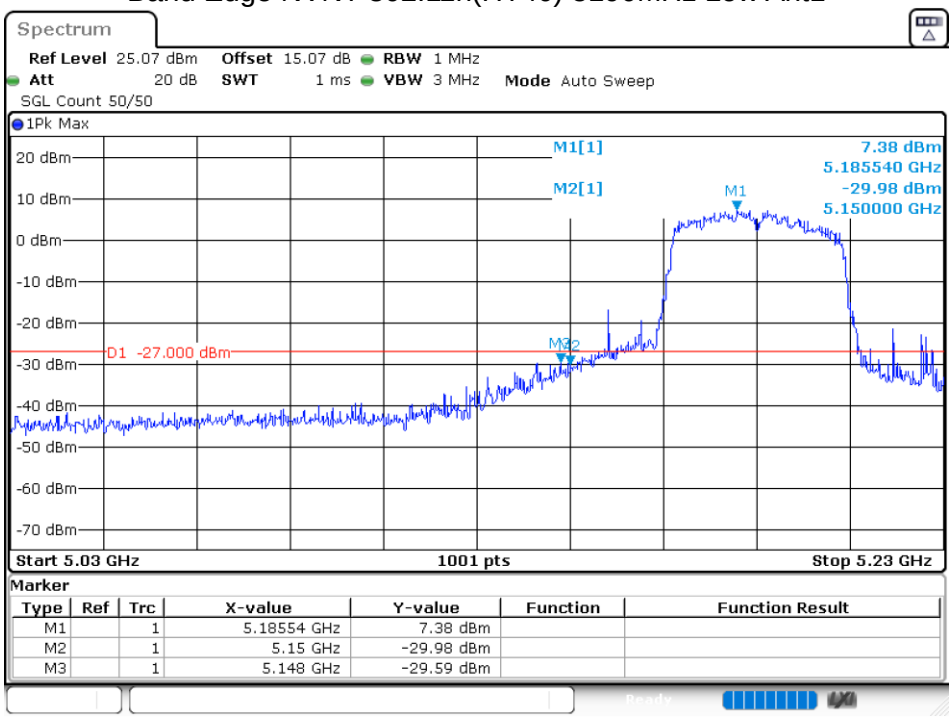

Band Edge NVNT 802.11n(HT20) 5180MHz Low Ant1



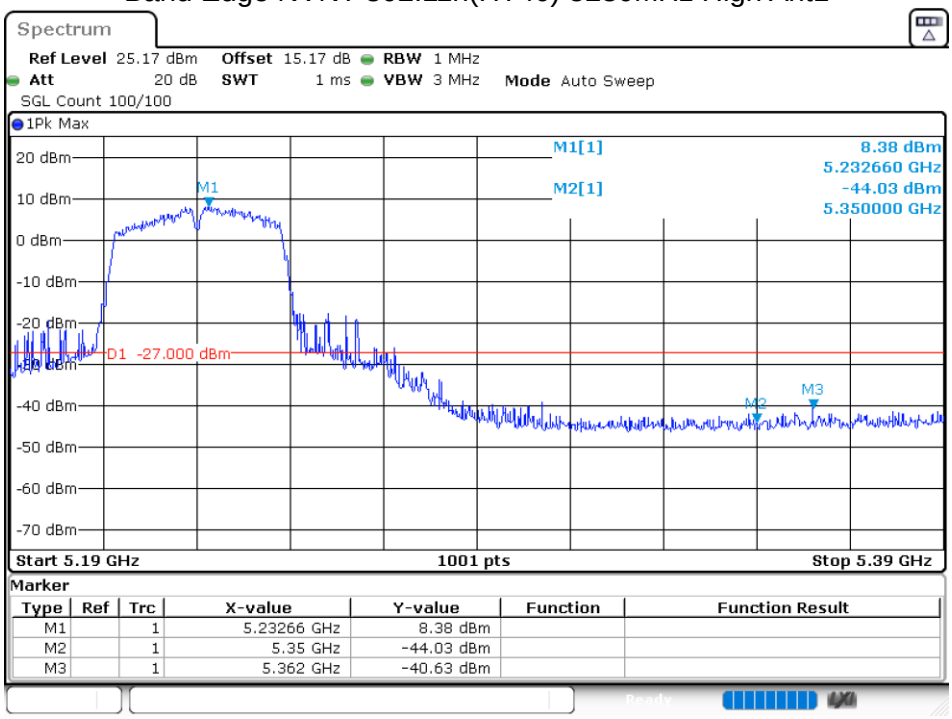
Band Edge NVNT 802.11n(HT20) 5240MHz High Ant1




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



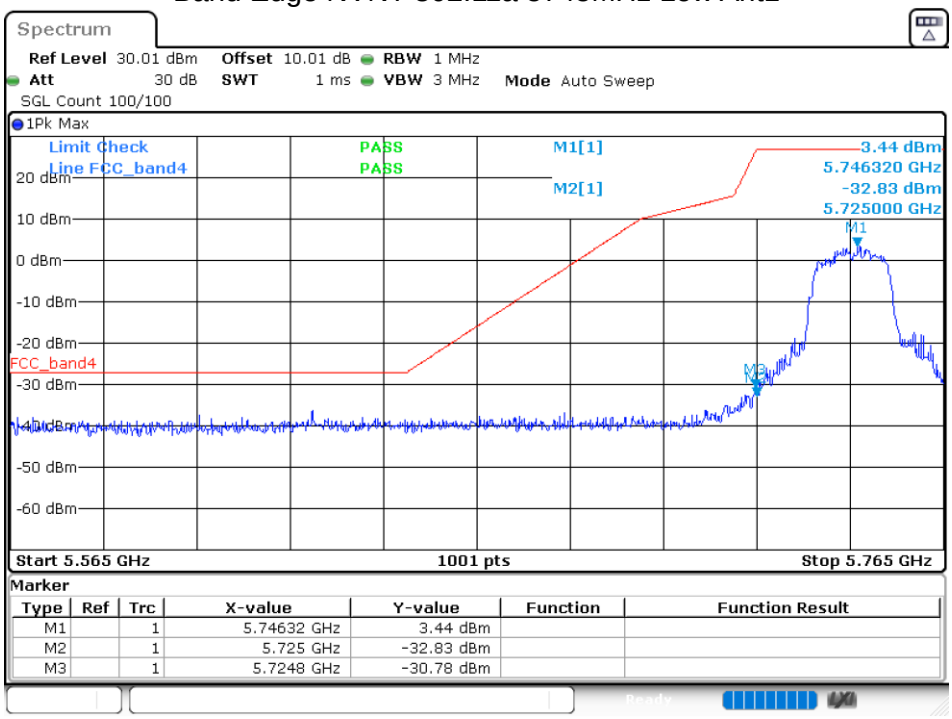
Band Edge NVNT 802.11n(HT40) 5230MHz High Ant1



**Band Edge**
**5.8G**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | -30.78 | | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | -36.37 | | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | -28.55 | | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | -35.95 | | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | -29.28 | | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | -35.89 | | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | -33.66 | | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | -32.04 | | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | -28.69 | | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | -35.34 | | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | -27.52 | | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | -36.68 | | Pass |

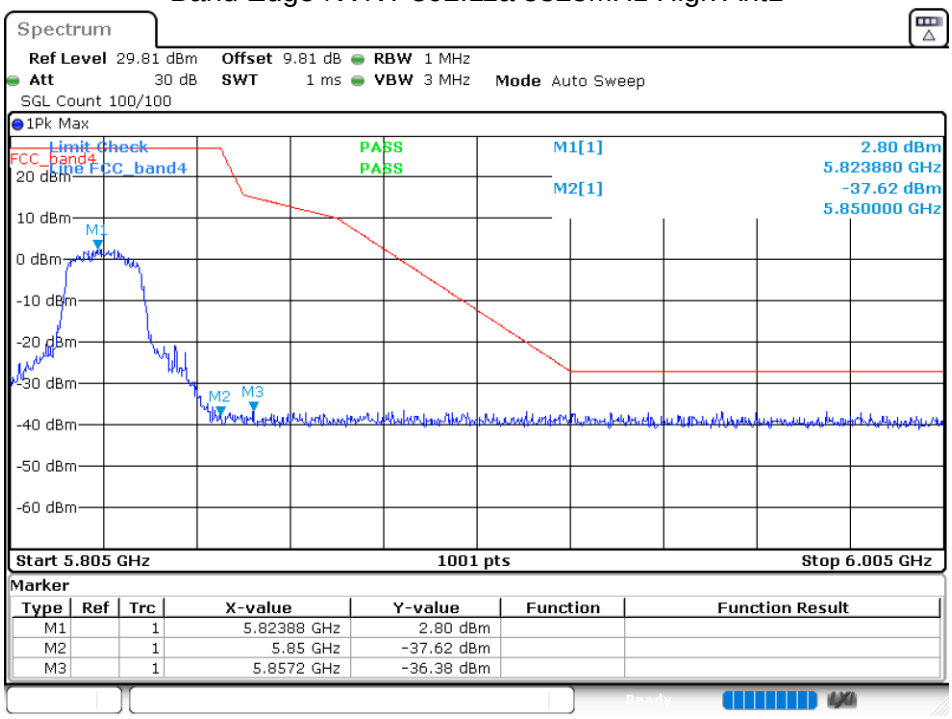
Band Edge NVNT 802.11a 5745MHz Low Ant1




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.74632 GHz | 3.44 dBm | | |
| M2 | | 1 | 5.725 GHz | -32.83 dBm | | |
| M3 | | 1 | 5.7248 GHz | -30.78 dBm | | |

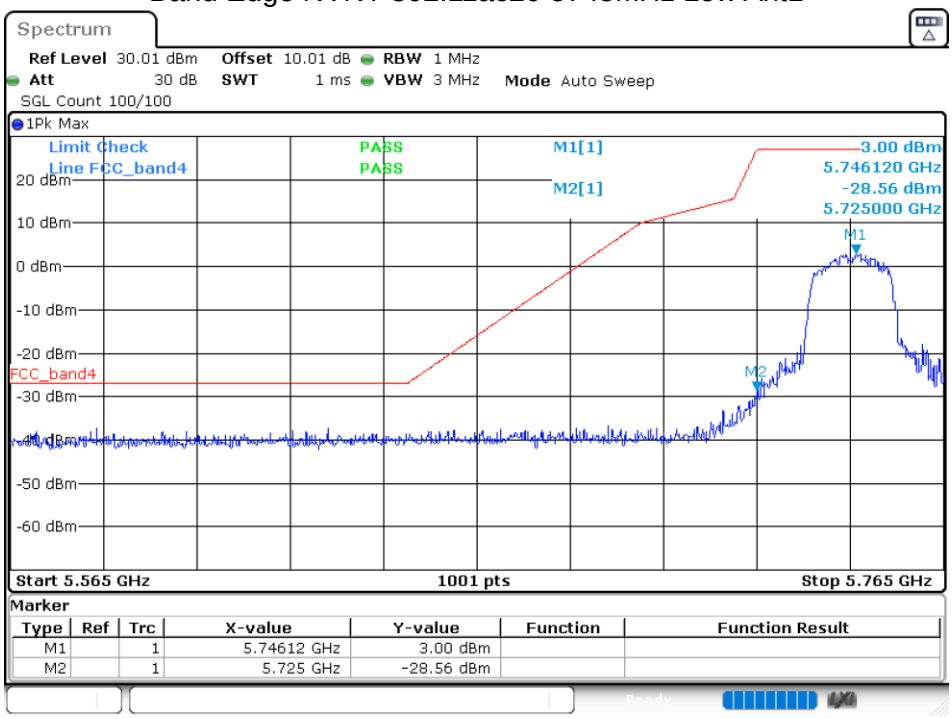
Band Edge NVNT 802.11a 5825MHz High Ant1



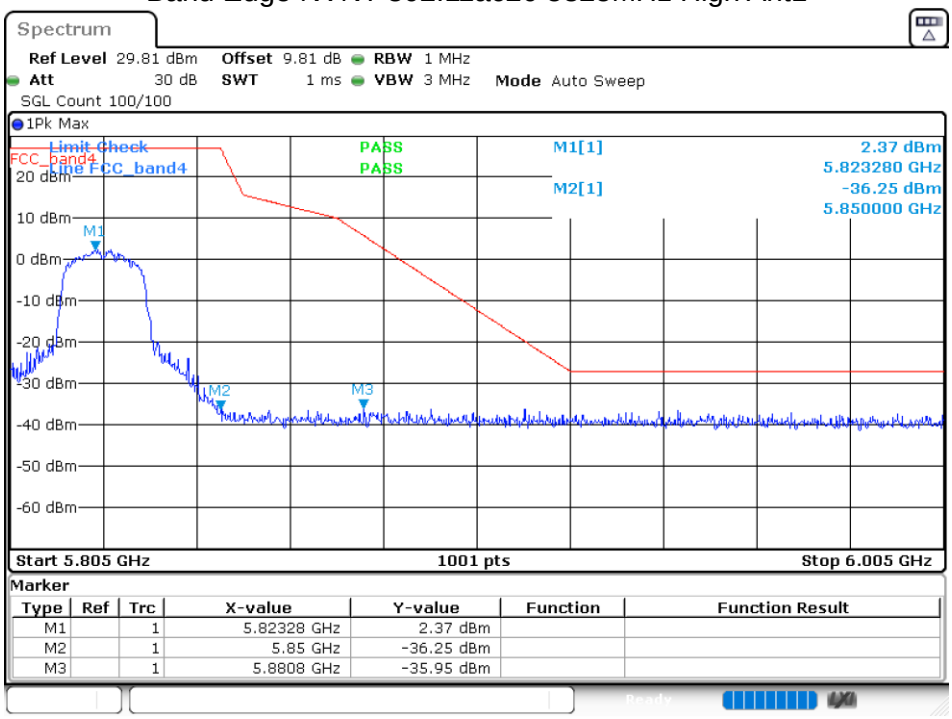

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.82388 GHz | 2.80 dBm | | |
| M2 | | 1 | 5.85 GHz | -37.62 dBm | | |
| M3 | | 1 | 5.8572 GHz | -36.38 dBm | | |

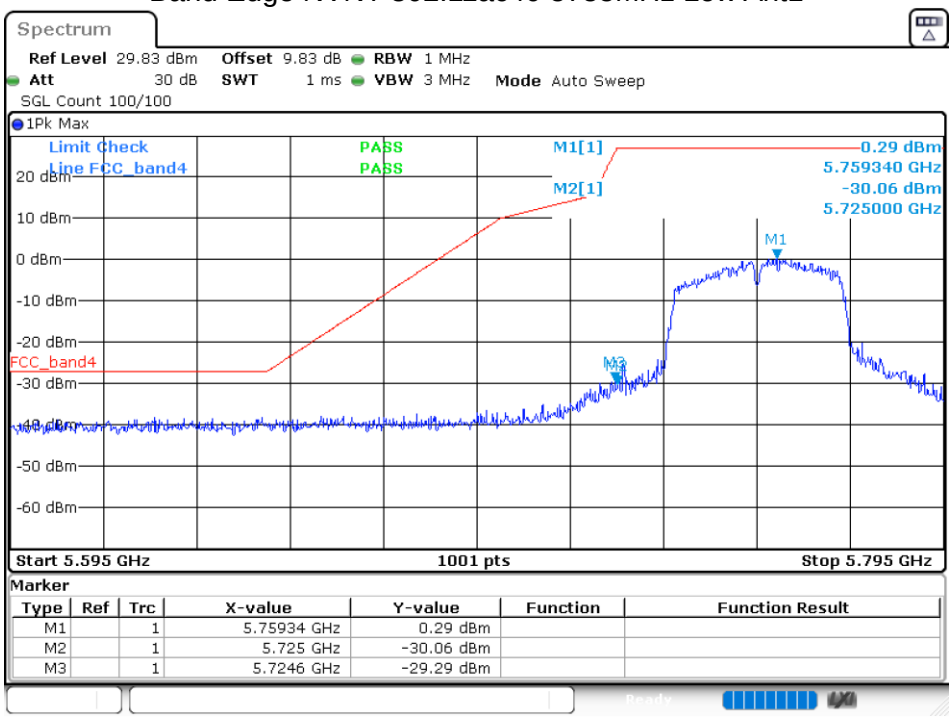
Band Edge NVNT 802.11ac20 5745MHz Low Ant1




Band Edge NVNT 802.11ac20 5825MHz High Ant1



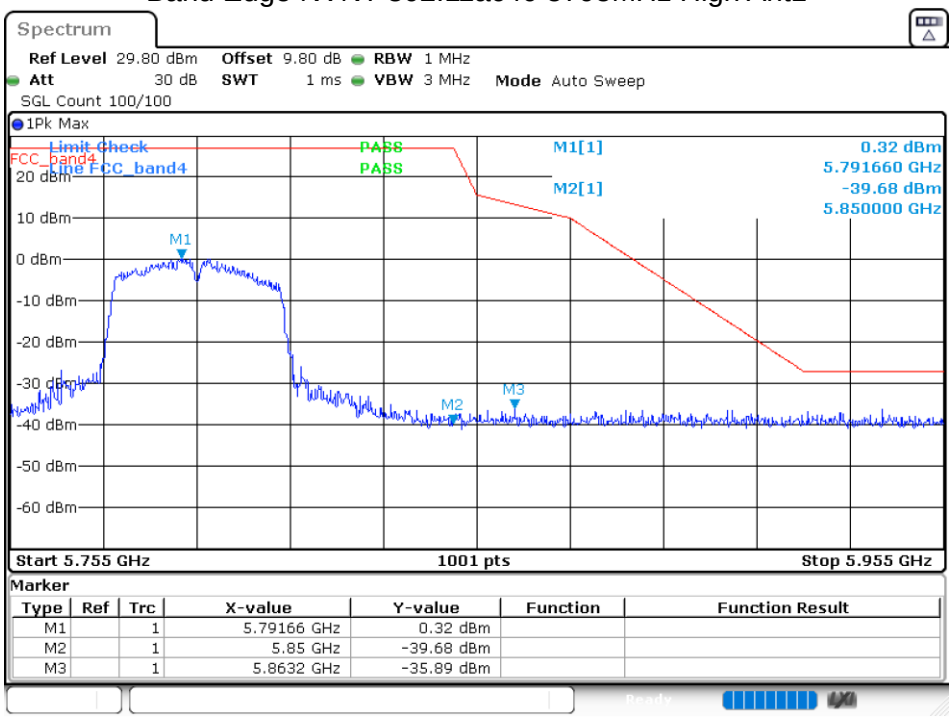
Band Edge NVNT 802.11ac40 5755MHz Low Ant1




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.75934 GHz | 0.29 dBm | | |
| M2 | | 1 | 5.725 GHz | -30.06 dBm | | |
| M3 | | 1 | 5.7246 GHz | -29.29 dBm | | |

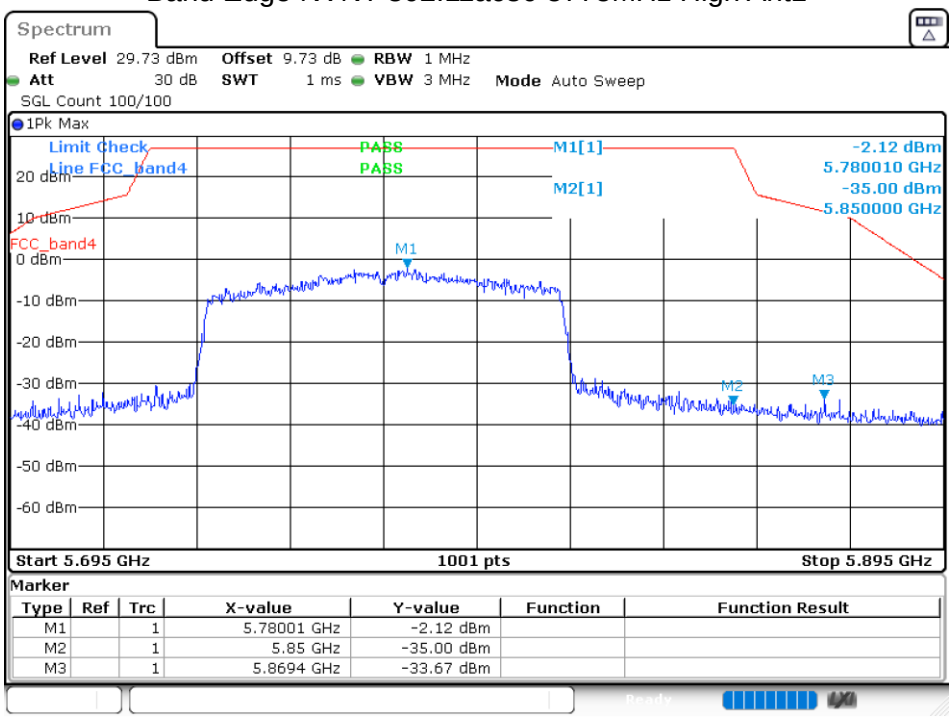
Band Edge NVNT 802.11ac40 5795MHz High Ant1



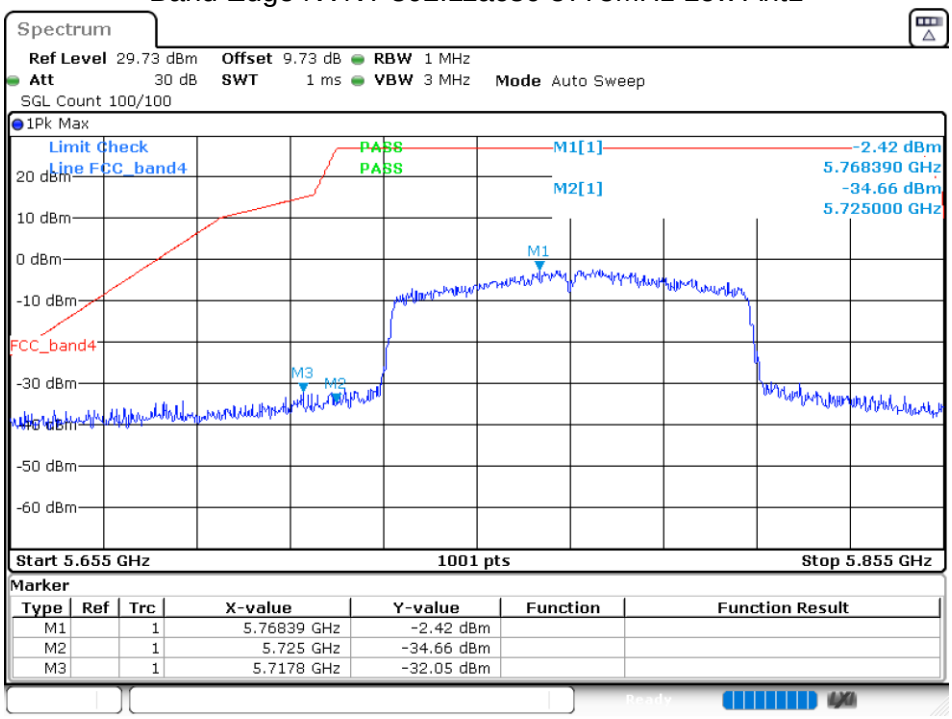

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.79166 GHz | 0.32 dBm | | |
| M2 | | 1 | 5.85 GHz | -39.68 dBm | | |
| M3 | | 1 | 5.8632 GHz | -35.89 dBm | | |

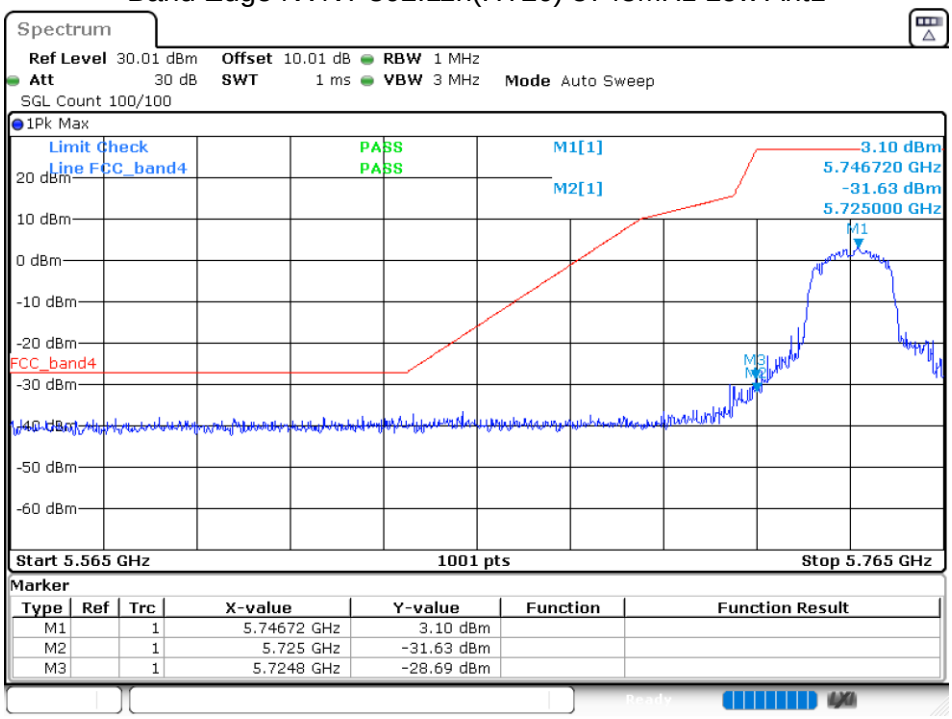
Band Edge NVNT 802.11ac80 5775MHz High Ant1




Band Edge NVNT 802.11ac80 5775MHz Low Ant1



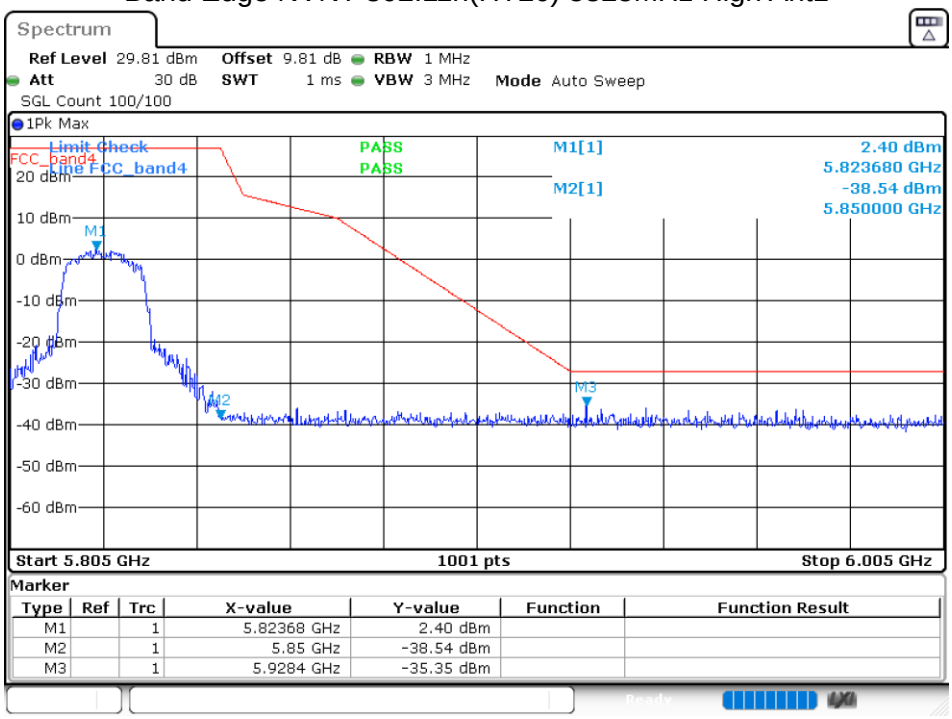
Band Edge NVNT 802.11n(HT20) 5745MHz Low Ant1




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.74672 GHz | 3.10 dBm | | |
| M2 | | 1 | 5.725 GHz | -31.63 dBm | | |
| M3 | | 1 | 5.7248 GHz | -28.69 dBm | | |

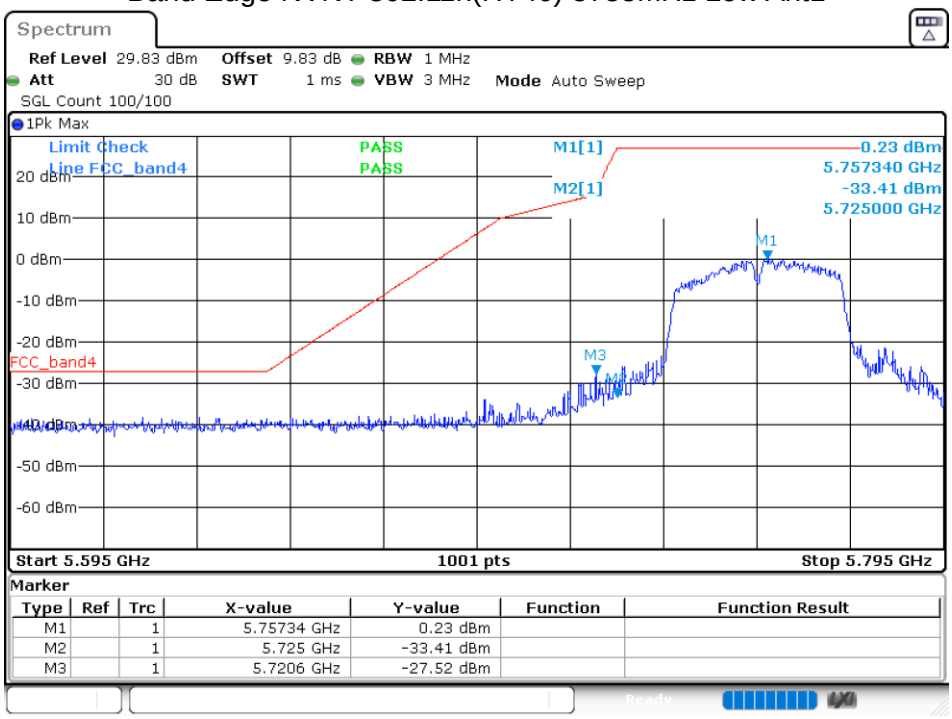
Band Edge NVNT 802.11n(HT20) 5825MHz High Ant1



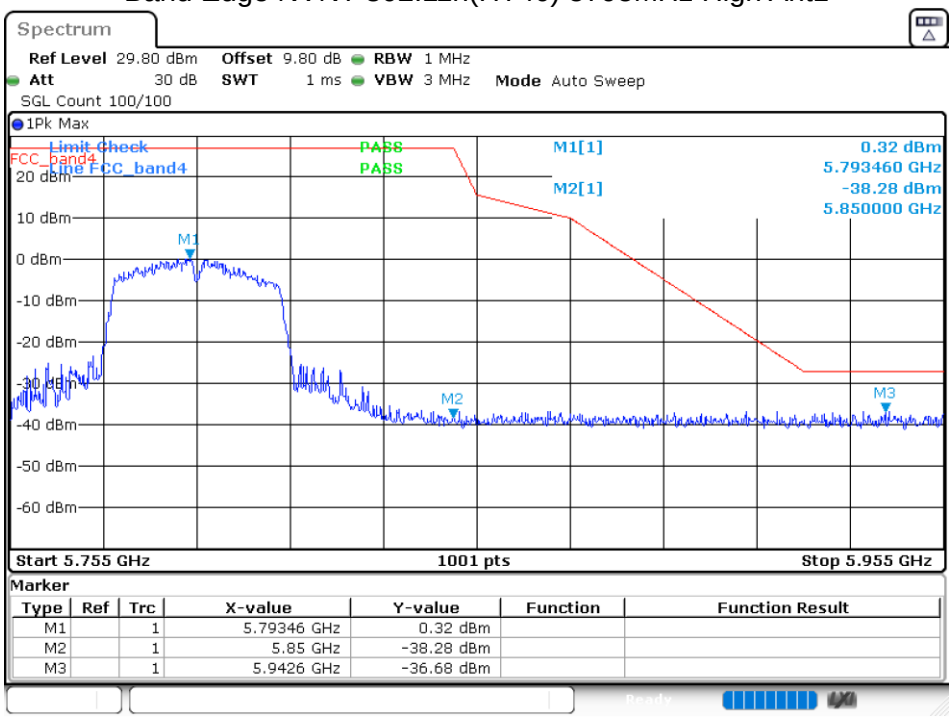

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.82368 GHz | 2.40 dBm | | |
| M2 | | 1 | 5.85 GHz | -38.54 dBm | | |
| M3 | | 1 | 5.9284 GHz | -35.35 dBm | | |

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




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

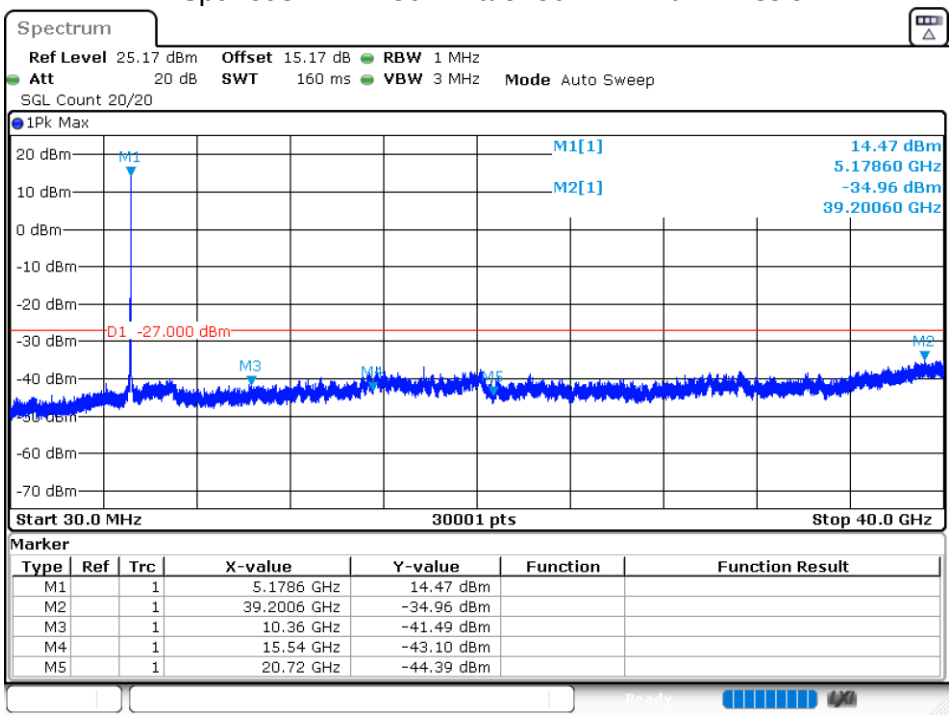


5.2G

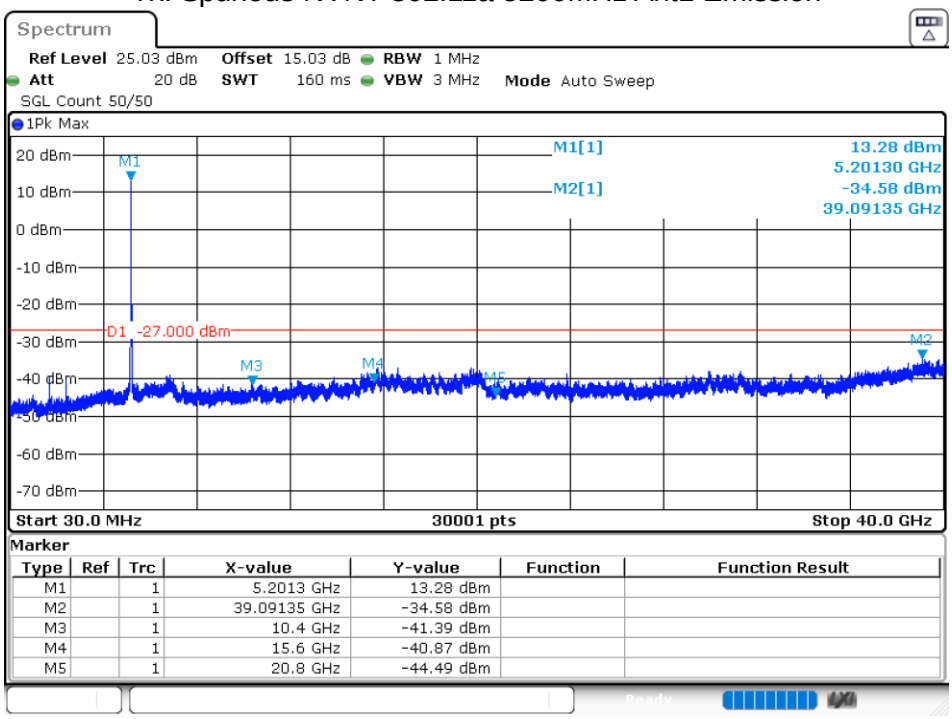
5.7 CONDUCTED RF SPURIOUS EMISSION

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5180 | Ant 1 | -34.96 | -27 | Pass |
| NVNT | 802.11a | 5200 | Ant 1 | -34.57 | -27 | Pass |
| NVNT | 802.11a | 5240 | Ant 1 | -34.63 | -27 | Pass |
| NVNT | 802.11ac20 | 5180 | Ant 1 | -34.86 | -27 | Pass |
| NVNT | 802.11ac20 | 5200 | Ant 1 | -34.91 | -27 | Pass |
| NVNT | 802.11ac20 | 5240 | Ant 1 | -34.58 | -27 | Pass |
| NVNT | 802.11ac40 | 5190 | Ant 1 | -34.76 | -27 | Pass |
| NVNT | 802.11ac40 | 5230 | Ant 1 | -34.6 | -27 | Pass |
| NVNT | 802.11ac80 | 5210 | Ant 1 | -34.93 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5180 | Ant 1 | -35.05 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5200 | Ant 1 | -33.39 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5240 | Ant 1 | -34.77 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5190 | Ant 1 | -34.57 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5230 | Ant 1 | -35.1 | -27 | Pass |

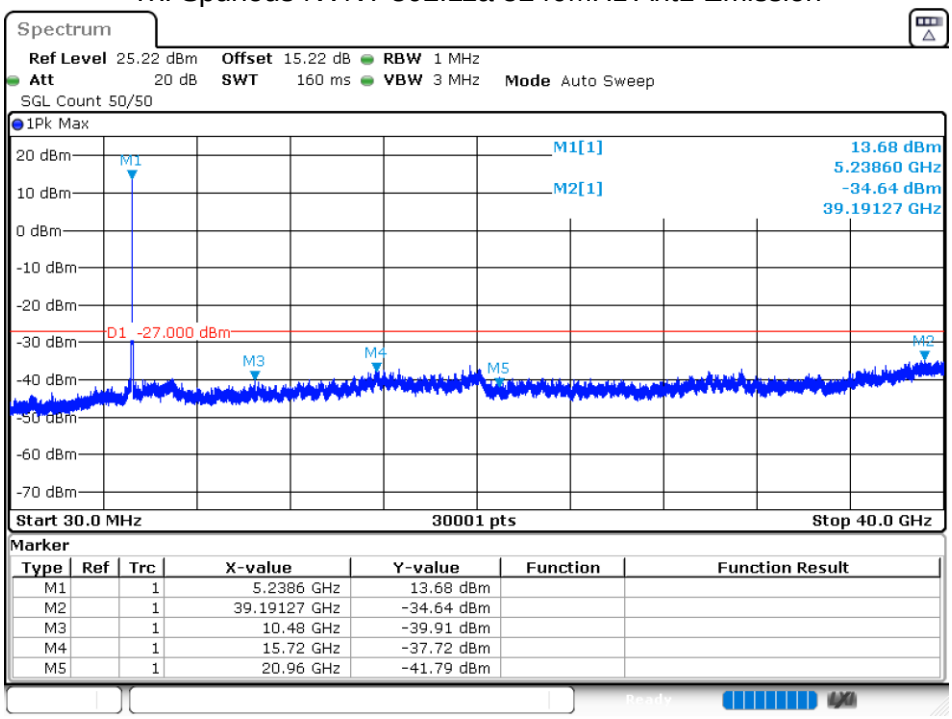
Tx. Spurious NVNT 802.11a 5180MHz Ant1 Emission



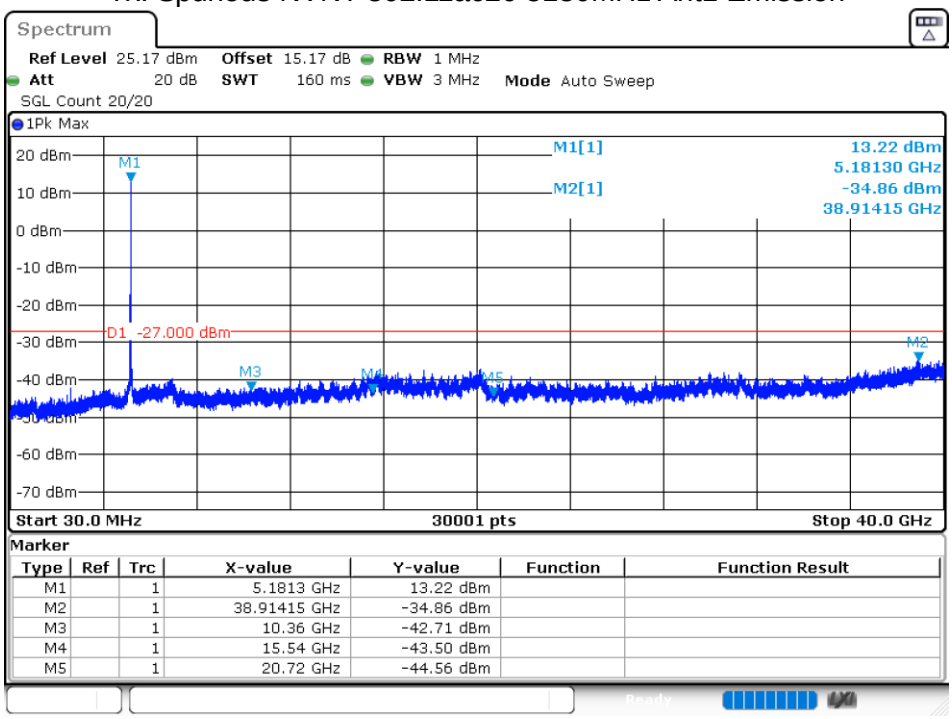
Tx. Spurious NVNT 802.11a 5200MHz Ant1 Emission




Tx. Spurious NVNT 802.11a 5240MHz Ant1 Emission



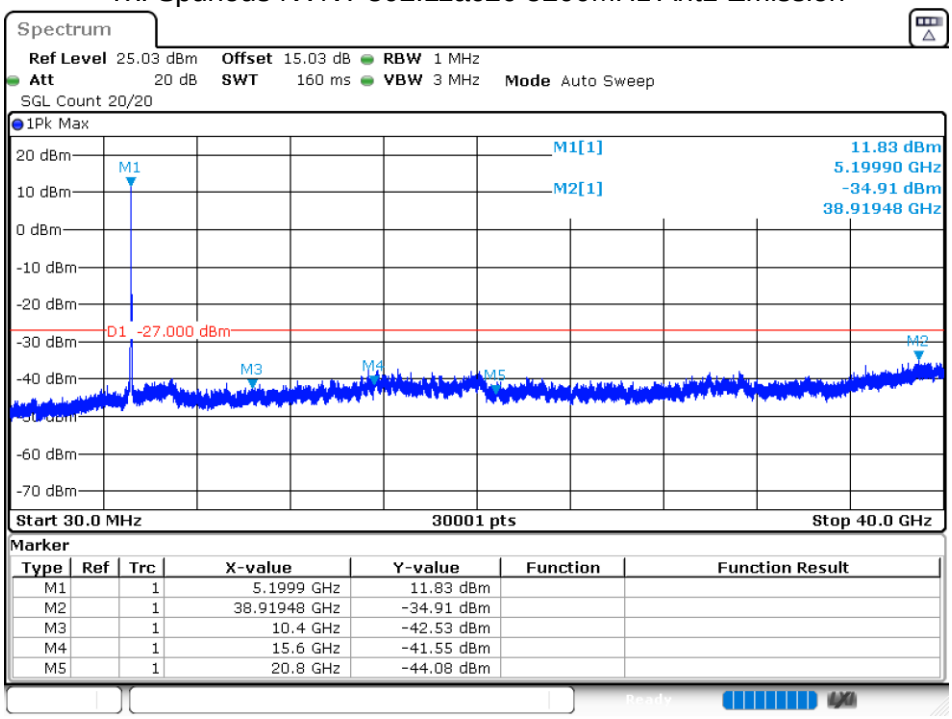
Tx. Spurious NVNT 802.11ac20 5180MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1813 GHz | 13.22 dBm | | |
| M2 | | 1 | 38.91415 GHz | -34.86 dBm | | |
| M3 | | 1 | 10.36 GHz | -42.71 dBm | | |
| M4 | | 1 | 15.54 GHz | -43.50 dBm | | |
| M5 | | 1 | 20.72 GHz | -44.56 dBm | | |

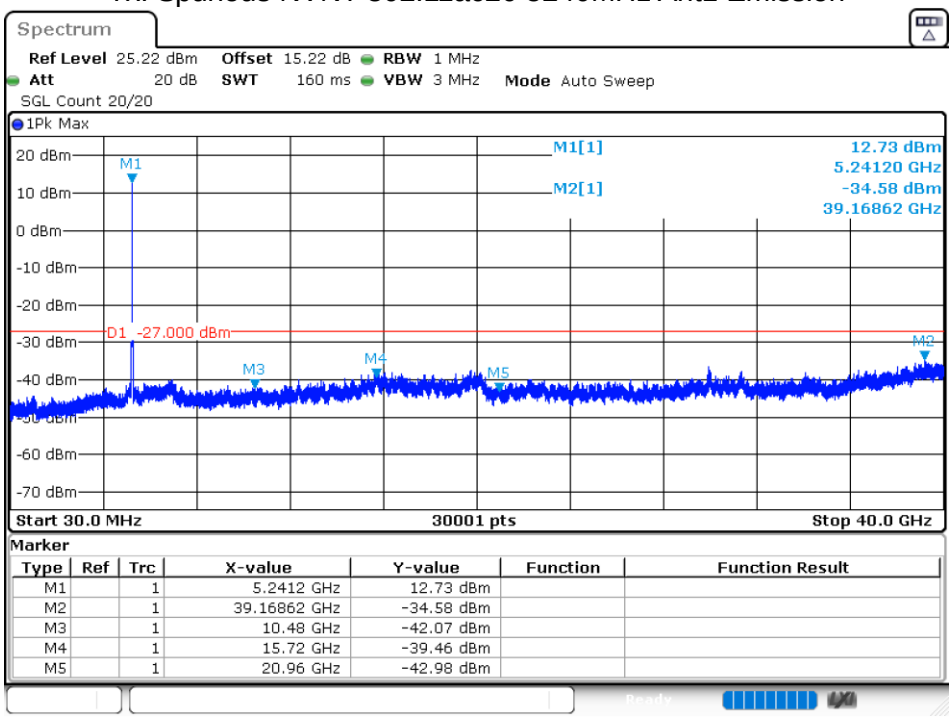
Tx. Spurious NVNT 802.11ac20 5200MHz Ant1 Emission



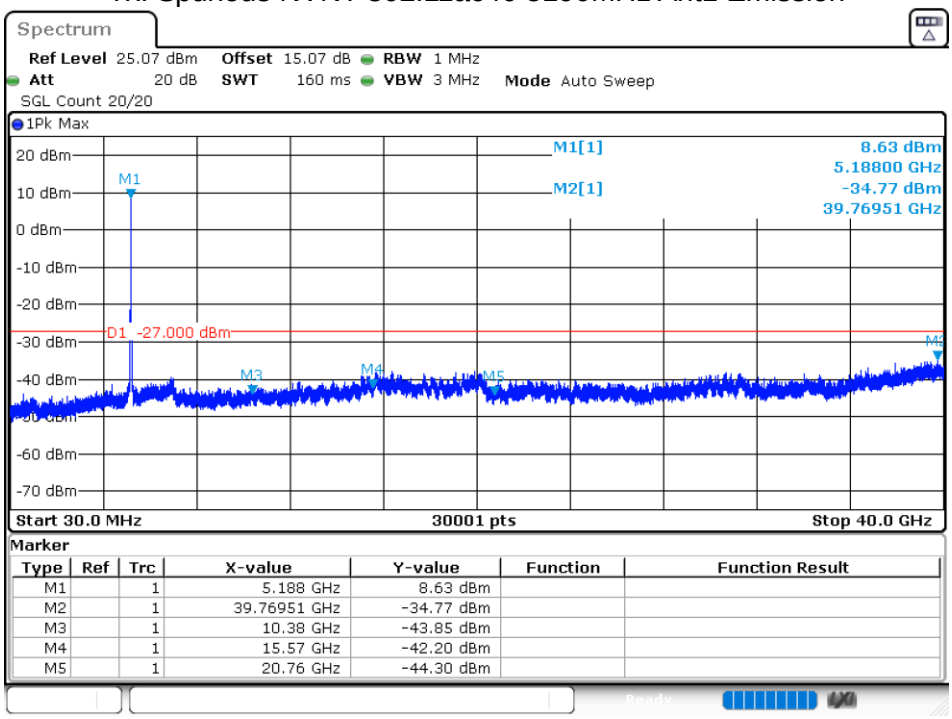

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1999 GHz | 11.83 dBm | | |
| M2 | | 1 | 38.91948 GHz | -34.91 dBm | | |
| M3 | | 1 | 10.4 GHz | -42.53 dBm | | |
| M4 | | 1 | 15.6 GHz | -41.55 dBm | | |
| M5 | | 1 | 20.8 GHz | -44.08 dBm | | |

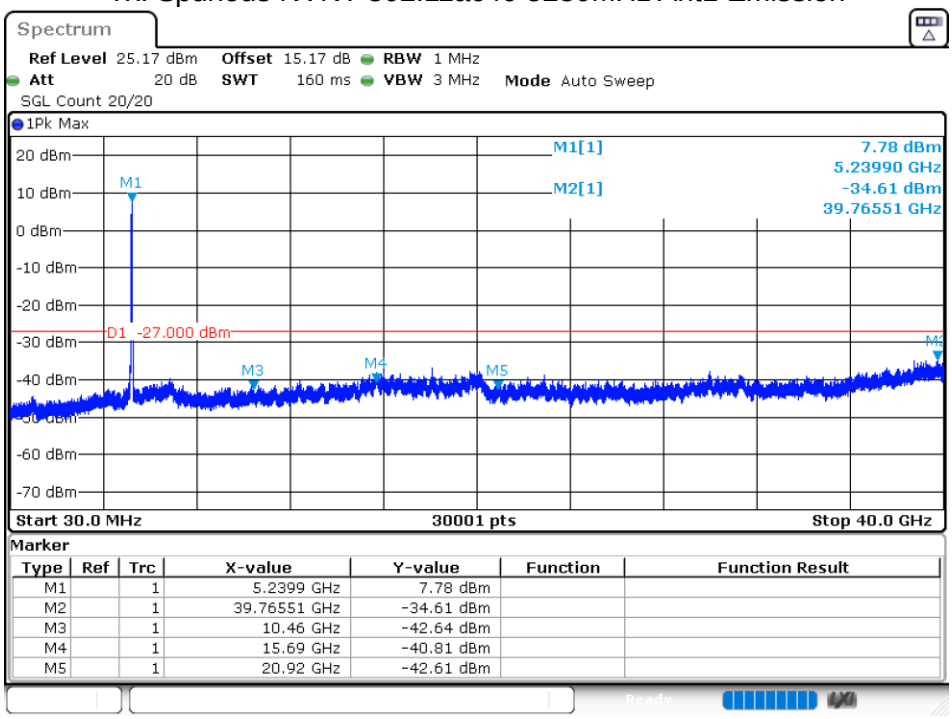
Tx. Spurious NVNT 802.11ac20 5240MHz Ant1 Emission



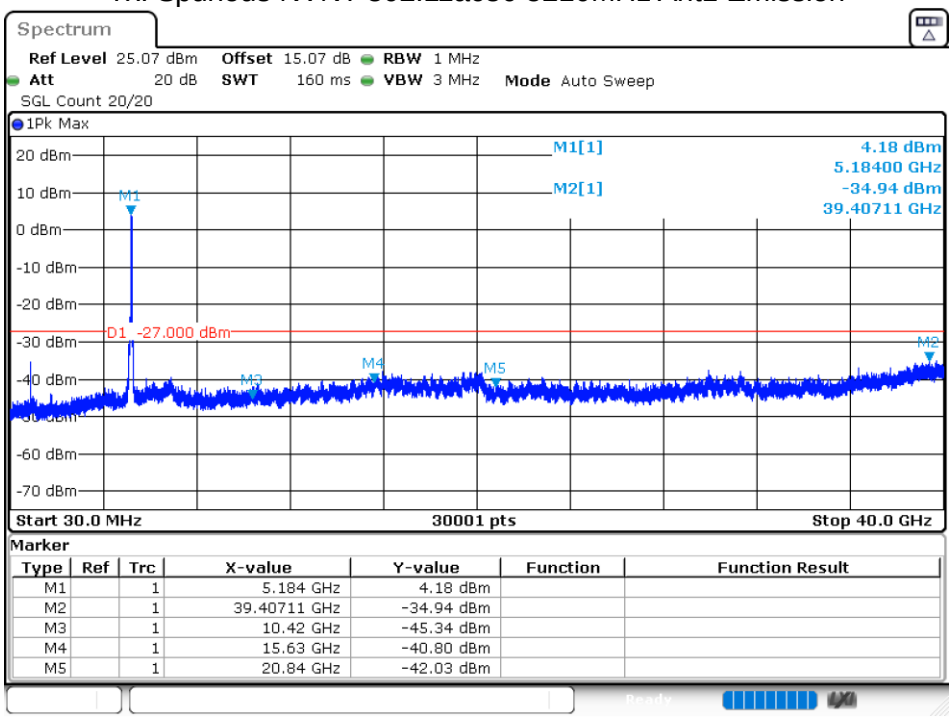

Tx. Spurious NVNT 802.11ac40 5190MHz Ant1 Emission



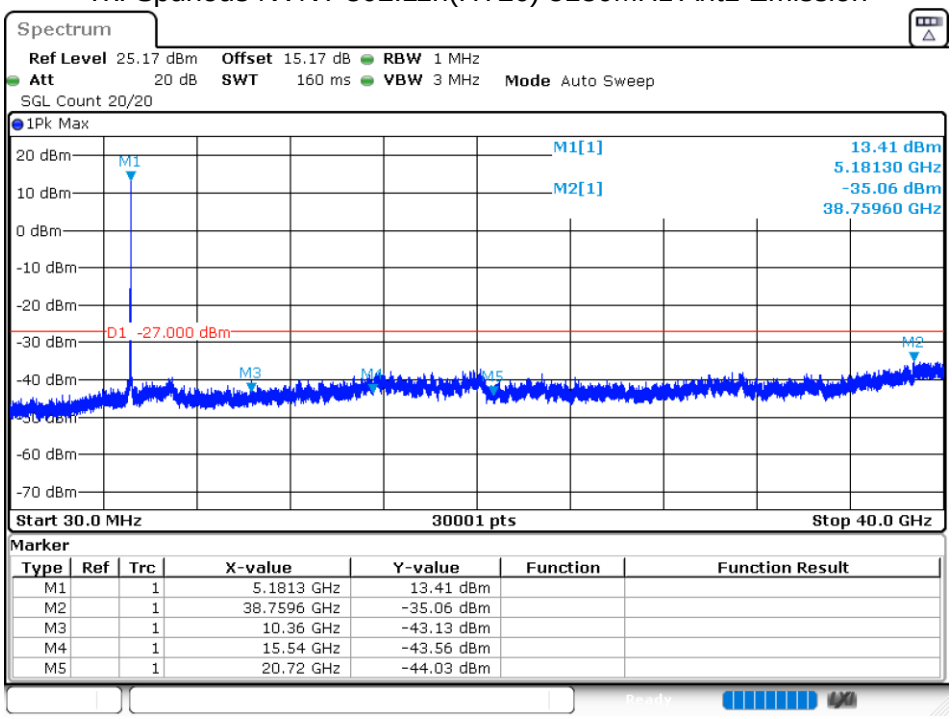
Tx. Spurious NVNT 802.11ac40 5230MHz Ant1 Emission




Tx. Spurious NVNT 802.11ac80 5210MHz Ant1 Emission



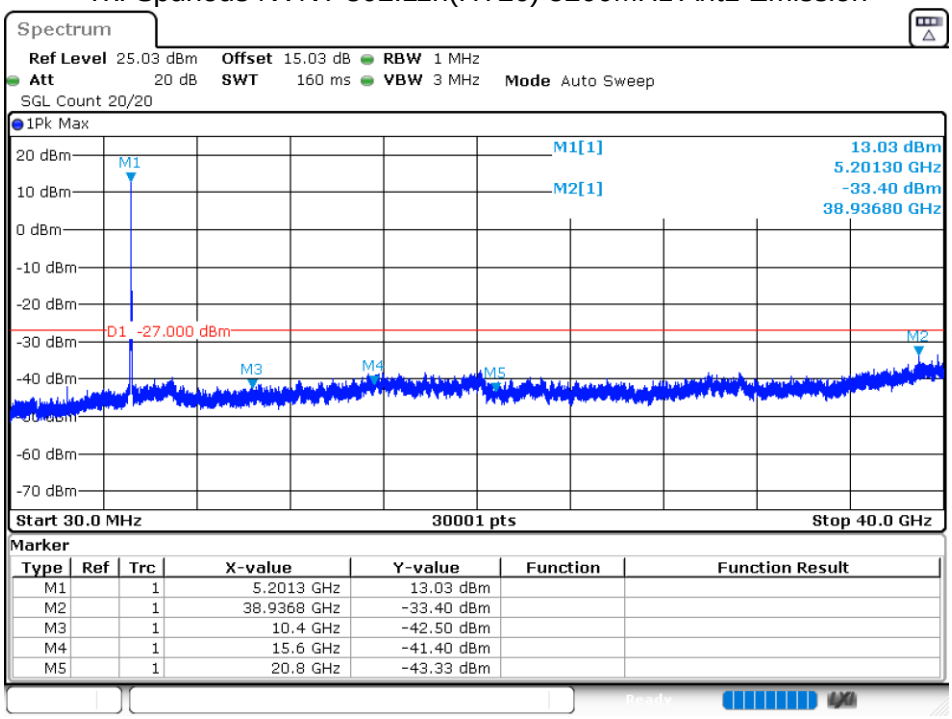
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.1813 GHz | 13.41 dBm | | |
| M2 | | 1 | 38.7596 GHz | -35.06 dBm | | |
| M3 | | 1 | 10.36 GHz | -43.13 dBm | | |
| M4 | | 1 | 15.54 GHz | -43.56 dBm | | |
| M5 | | 1 | 20.72 GHz | -44.03 dBm | | |

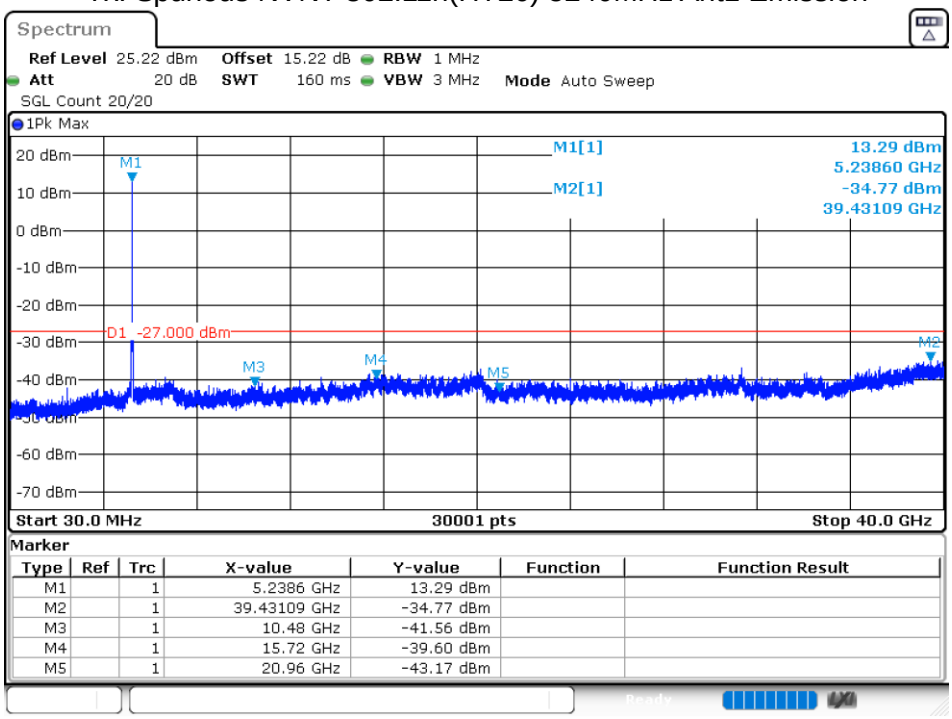
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant1 Emission



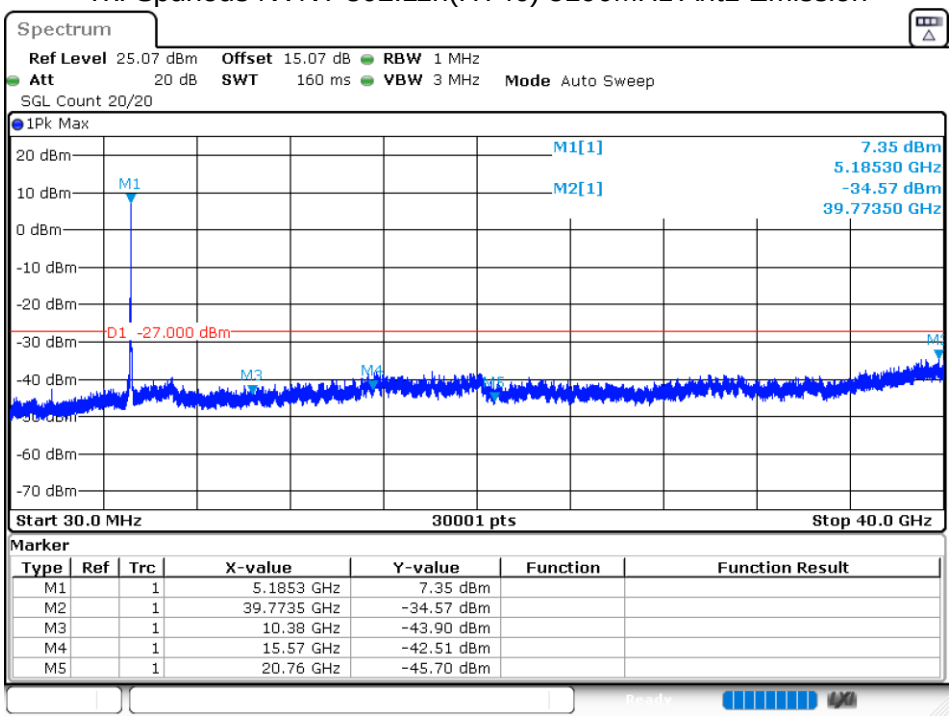

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.2013 GHz | 13.03 dBm | | |
| M2 | | 1 | 38.9368 GHz | -33.40 dBm | | |
| M3 | | 1 | 10.4 GHz | -42.50 dBm | | |
| M4 | | 1 | 15.6 GHz | -41.40 dBm | | |
| M5 | | 1 | 20.8 GHz | -43.33 dBm | | |

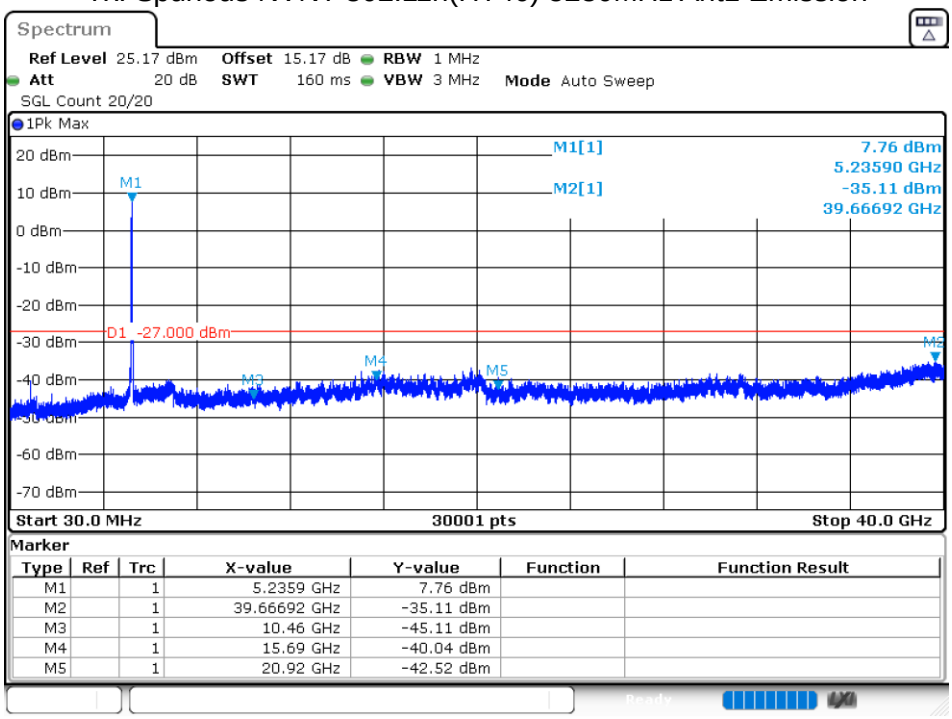
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant1 Emission




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



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

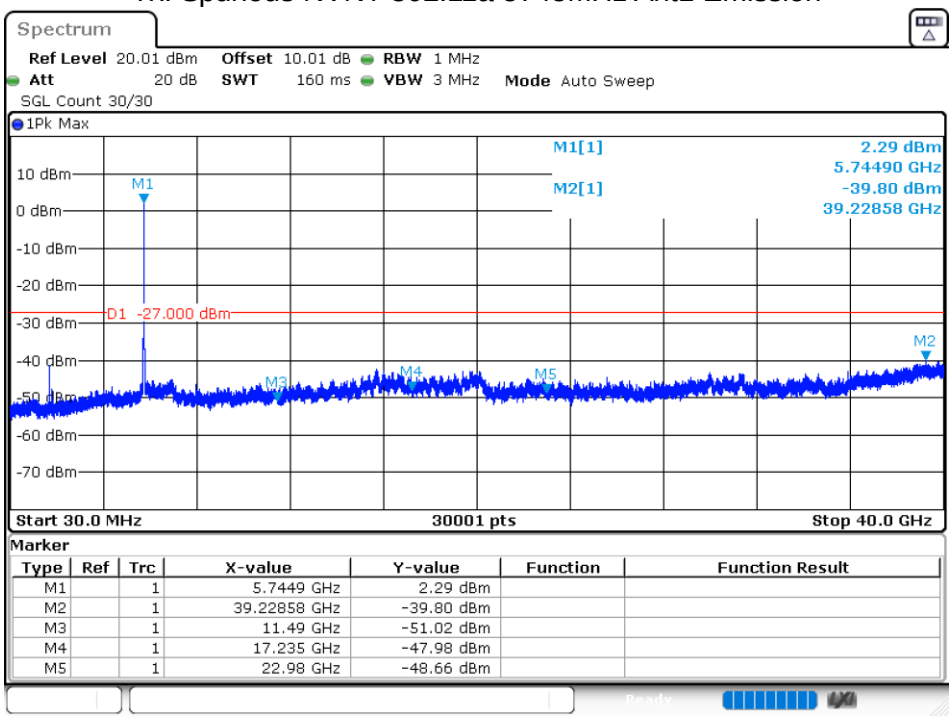



**5.8G**

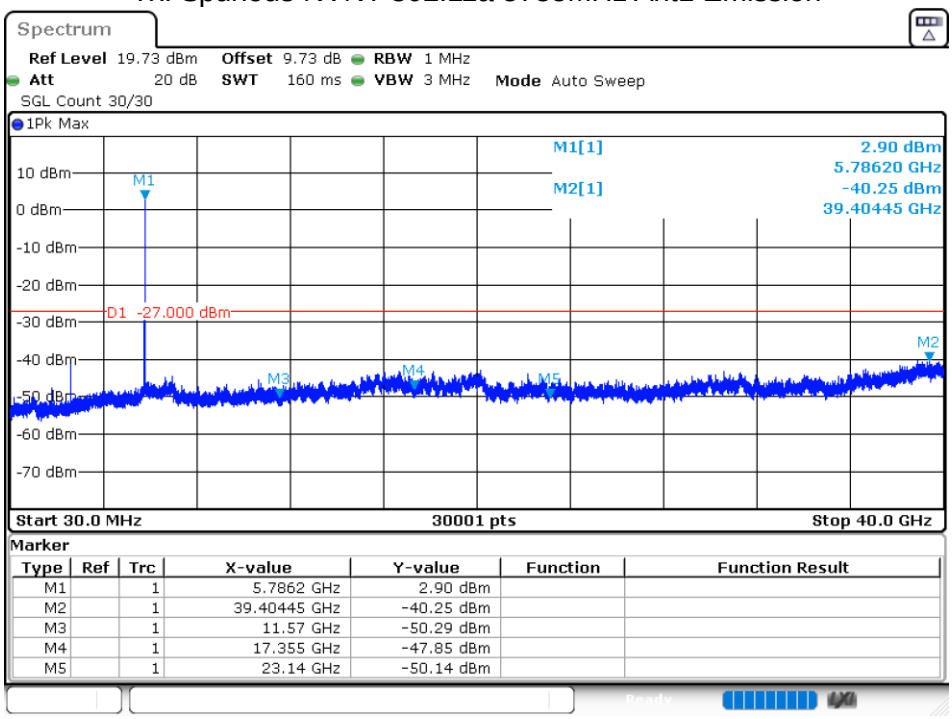
**Conducted RF Spurious Emission**

| Condition | Mode | Frequency (MHz) | Antenna | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 802.11a | 5745 | Ant 1 | -39.8 | -27 | Pass |
| NVNT | 802.11a | 5785 | Ant 1 | -40.25 | -27 | Pass |
| NVNT | 802.11a | 5825 | Ant 1 | -38.83 | -27 | Pass |
| NVNT | 802.11ac20 | 5745 | Ant 1 | -39.97 | -27 | Pass |
| NVNT | 802.11ac20 | 5785 | Ant 1 | -40.31 | -27 | Pass |
| NVNT | 802.11ac20 | 5825 | Ant 1 | -39.89 | -27 | Pass |
| NVNT | 802.11ac40 | 5755 | Ant 1 | -40.31 | -27 | Pass |
| NVNT | 802.11ac40 | 5795 | Ant 1 | -40.06 | -27 | Pass |
| NVNT | 802.11ac80 | 5775 | Ant 1 | -39.91 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5745 | Ant 1 | -39.77 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5785 | Ant 1 | -40.32 | -27 | Pass |
| NVNT | 802.11n(HT20) | 5825 | Ant 1 | -40.17 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5755 | Ant 1 | -39.26 | -27 | Pass |
| NVNT | 802.11n(HT40) | 5795 | Ant 1 | -39.7 | -27 | Pass |

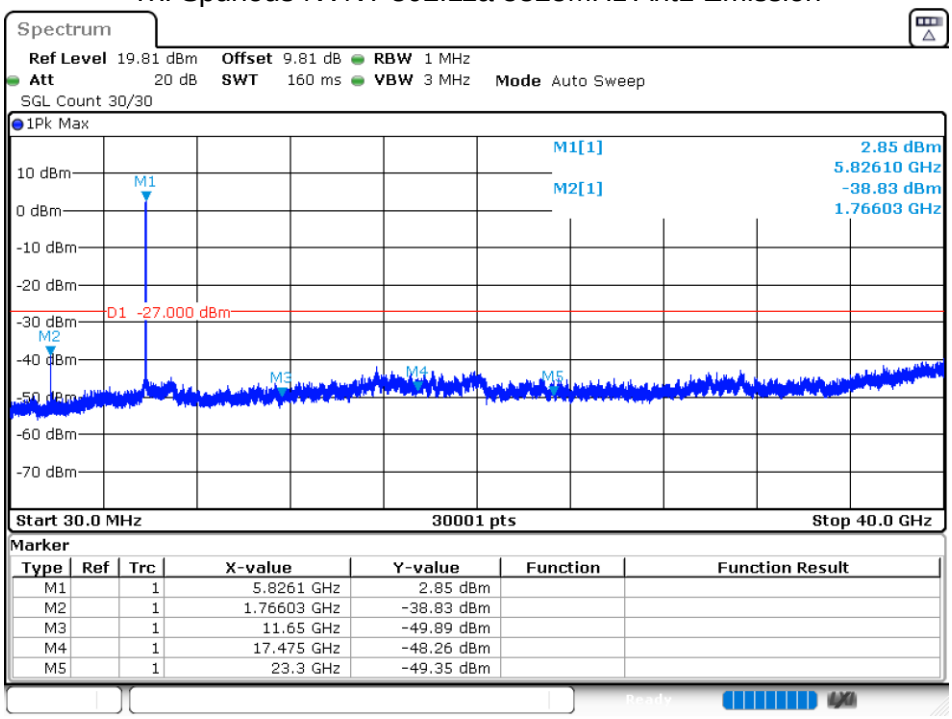
Tx. Spurious NVNT 802.11a 5745MHz Ant1 Emission



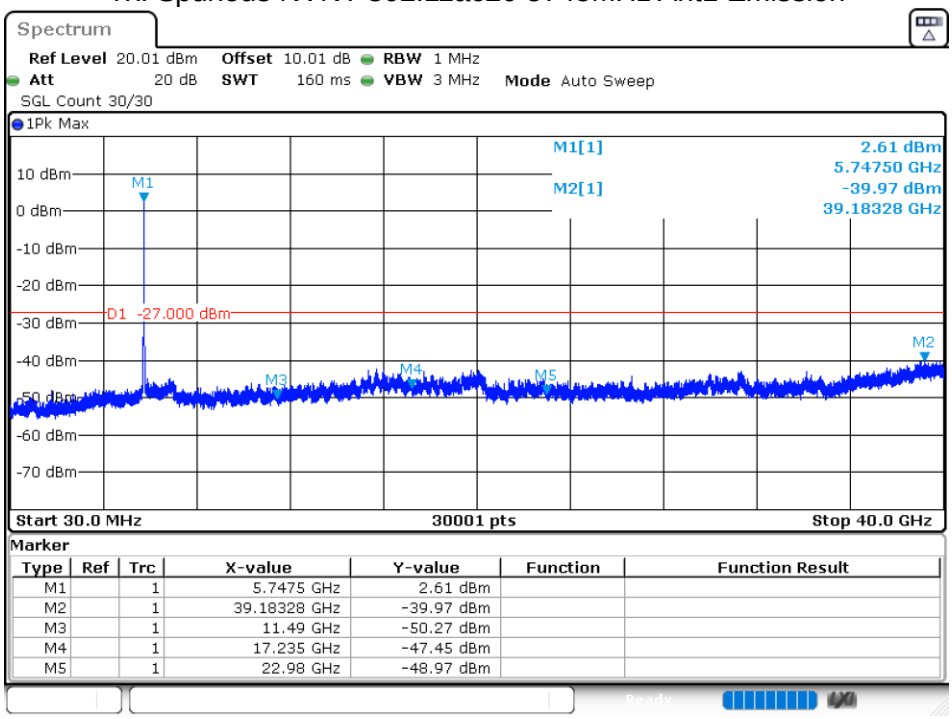

Tx. Spurious NVNT 802.11a 5785MHz Ant1 Emission



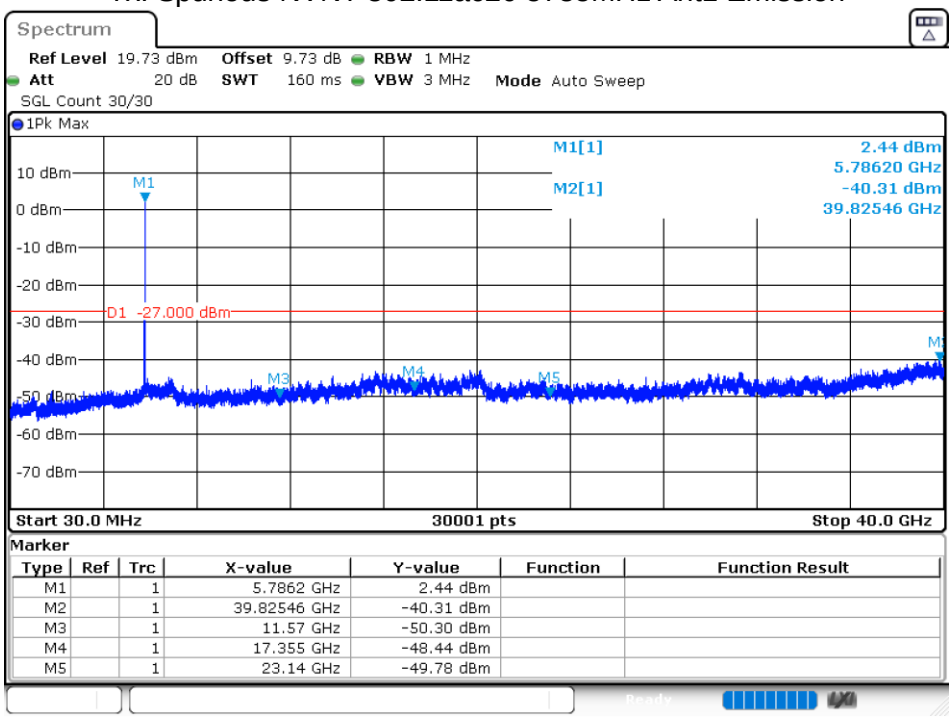
Tx. Spurious NVNT 802.11a 5825MHz Ant1 Emission




Tx. Spurious NVNT 802.11ac20 5745MHz Ant1 Emission



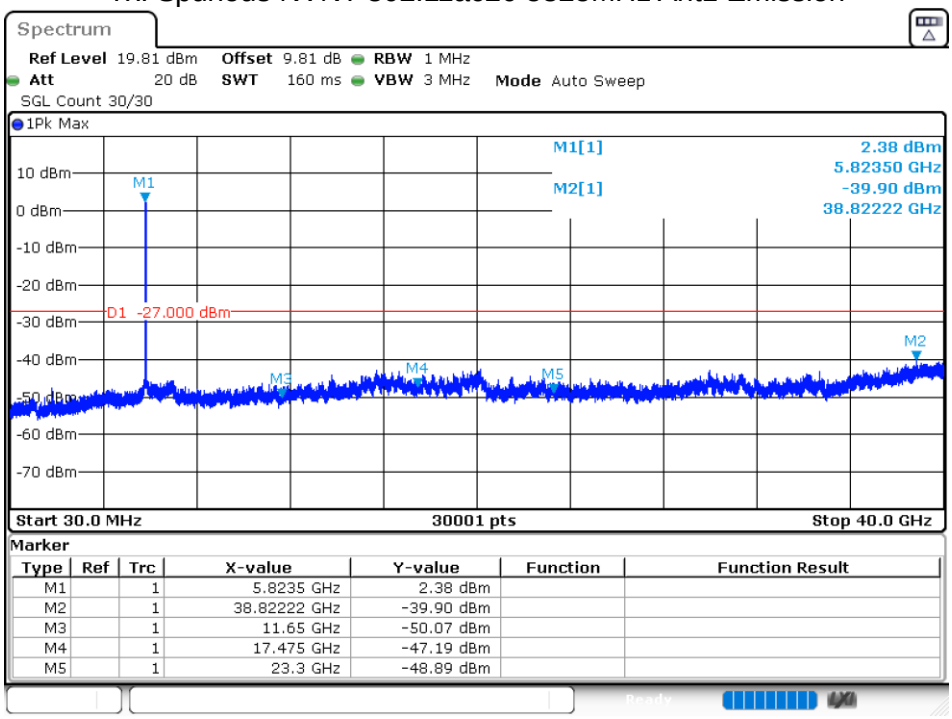
Tx. Spurious NVNT 802.11ac20 5785MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7862 GHz | 2.44 dBm | | |
| M2 | | 1 | 39.82546 GHz | -40.31 dBm | | |
| M3 | | 1 | 11.57 GHz | -50.30 dBm | | |
| M4 | | 1 | 17.355 GHz | -48.44 dBm | | |
| M5 | | 1 | 23.14 GHz | -49.78 dBm | | |

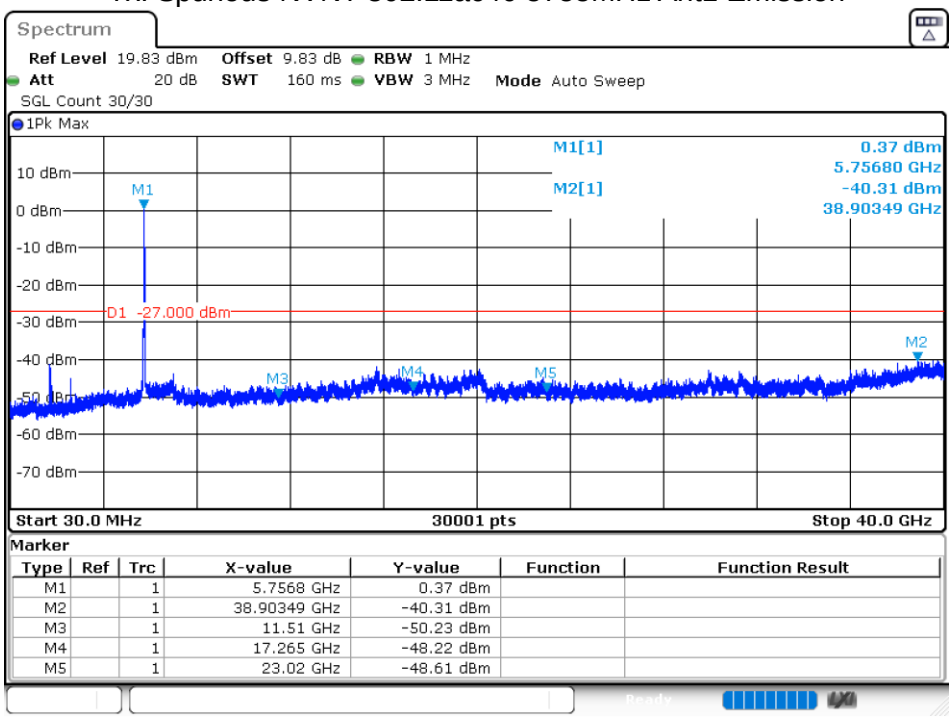
Tx. Spurious NVNT 802.11ac20 5825MHz Ant1 Emission



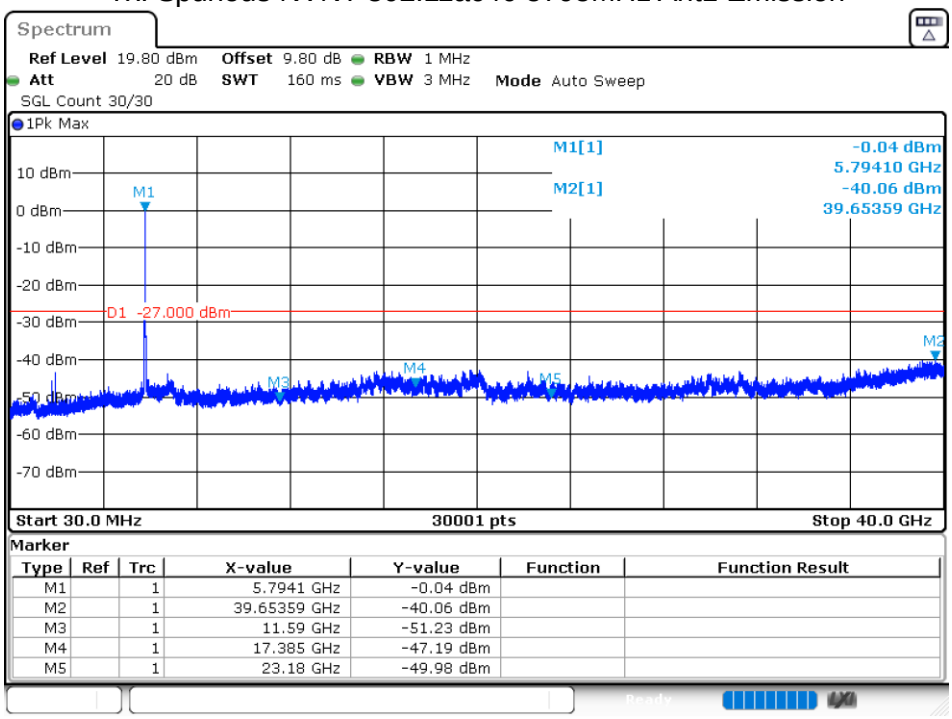

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.8235 GHz | 2.38 dBm | | |
| M2 | | 1 | 38.82222 GHz | -39.90 dBm | | |
| M3 | | 1 | 11.65 GHz | -50.07 dBm | | |
| M4 | | 1 | 17.475 GHz | -47.19 dBm | | |
| M5 | | 1 | 23.3 GHz | -48.89 dBm | | |

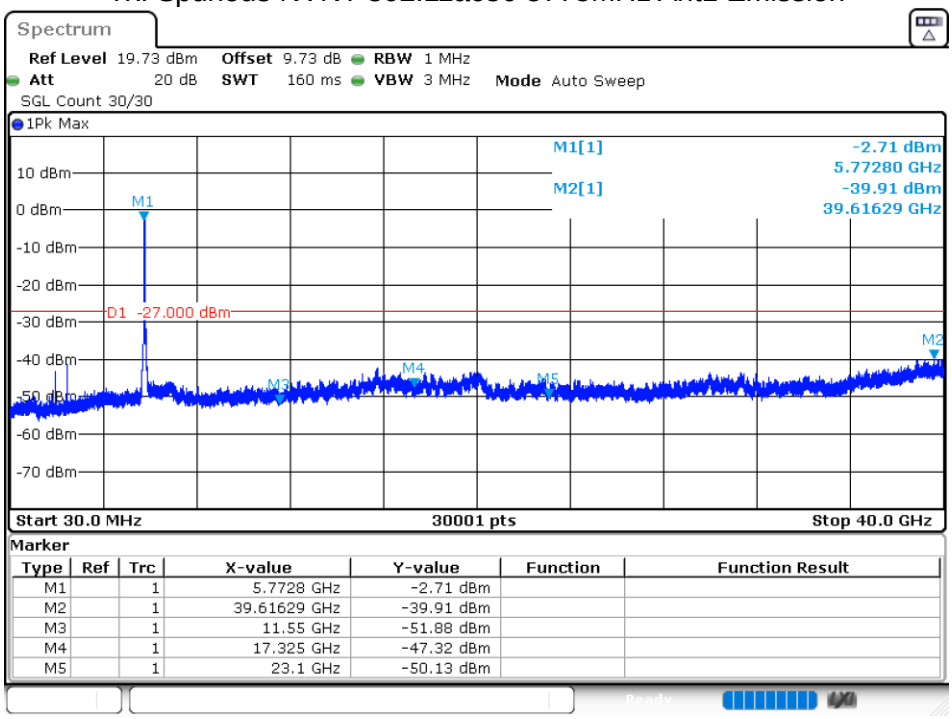
Tx. Spurious NVNT 802.11ac40 5755MHz Ant1 Emission



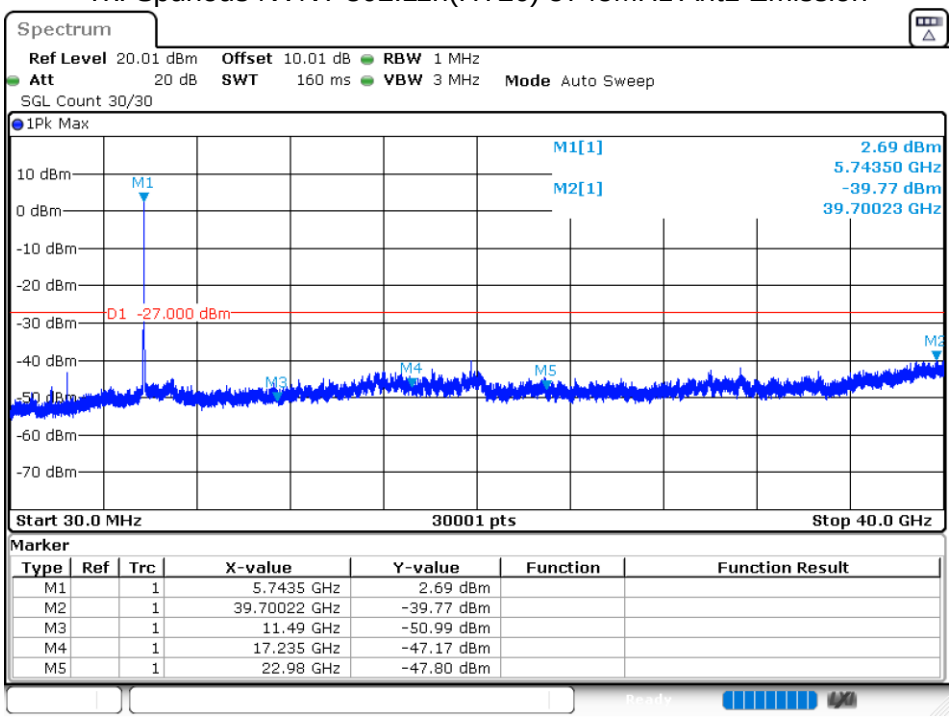

Tx. Spurious NVNT 802.11ac40 5795MHz Ant1 Emission



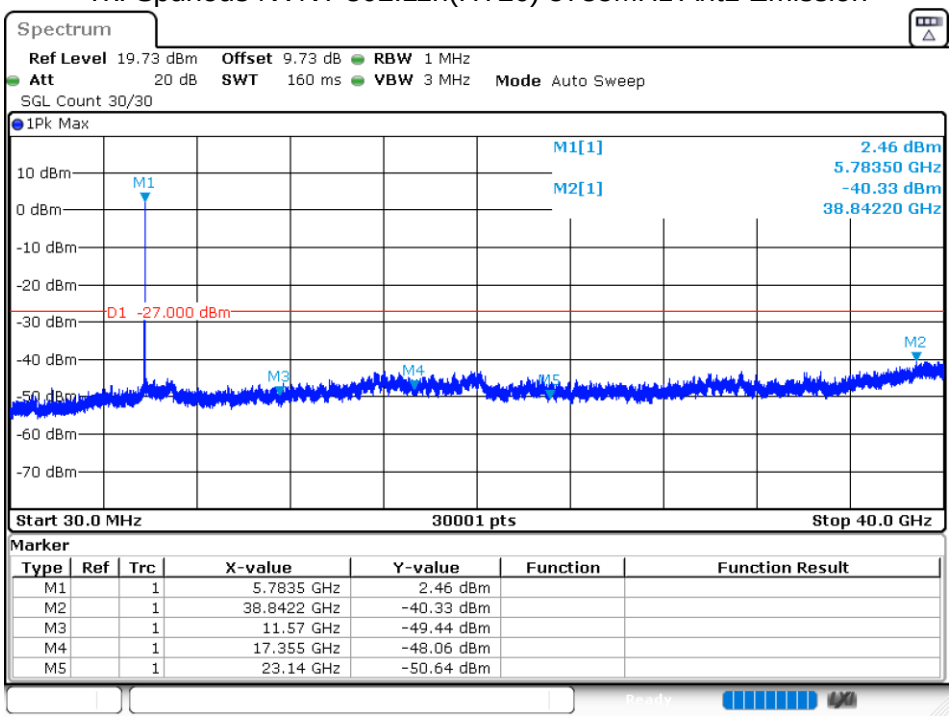
Tx. Spurious NVNT 802.11ac80 5775MHz Ant1 Emission




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



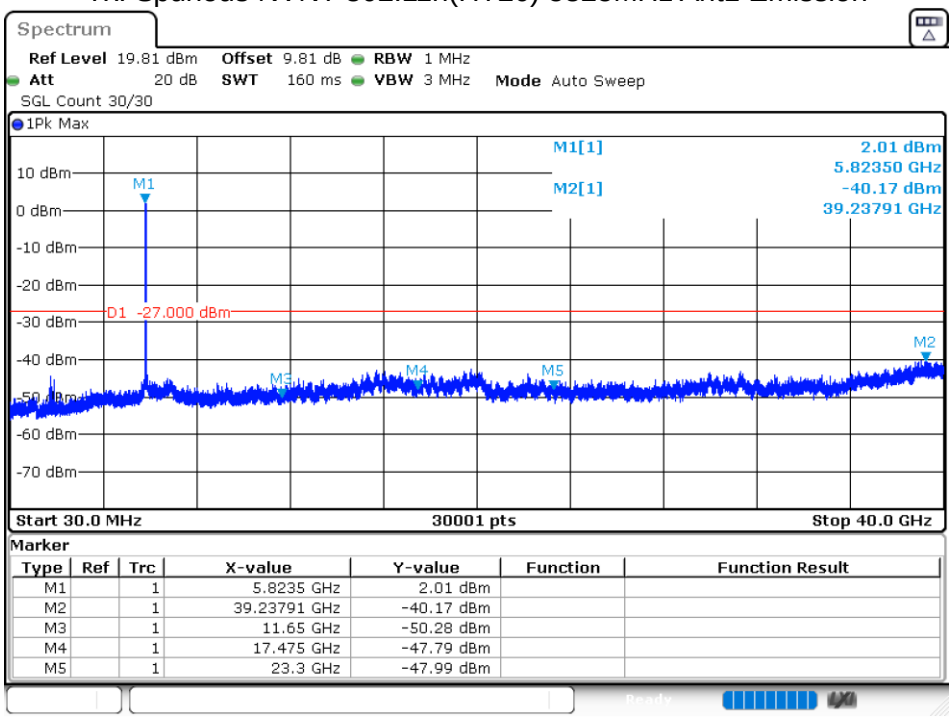
Tx. Spurious NVNT 802.11n(HT20) 5785MHz Ant1 Emission




Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.7835 GHz | 2.46 dBm | | |
| M2 | | 1 | 38.8422 GHz | -40.33 dBm | | |
| M3 | | 1 | 11.57 GHz | -49.44 dBm | | |
| M4 | | 1 | 17.355 GHz | -48.06 dBm | | |
| M5 | | 1 | 23.14 GHz | -50.64 dBm | | |

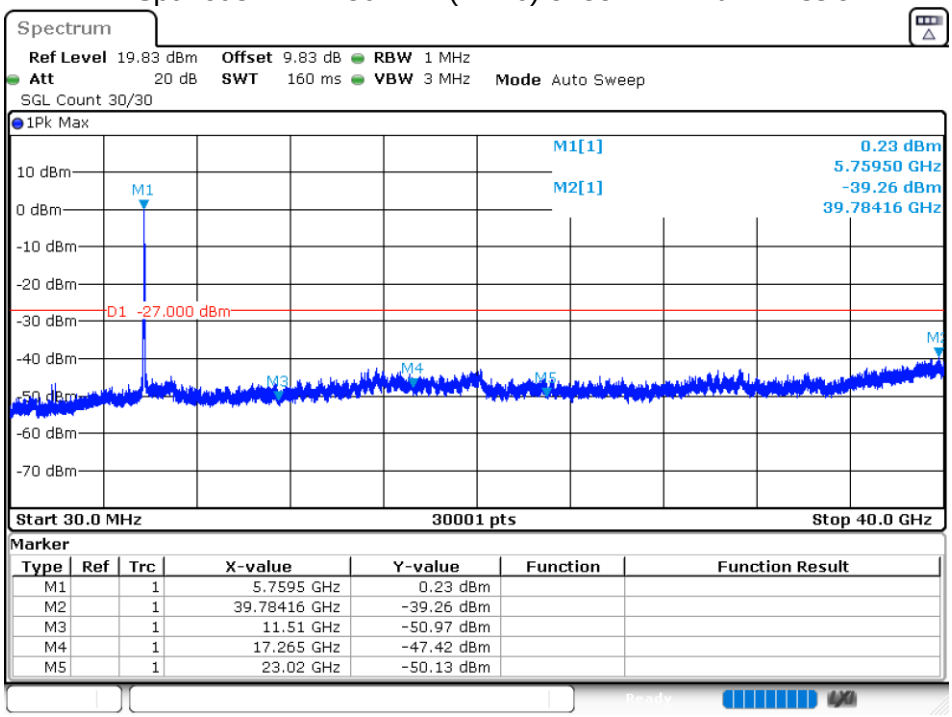
Tx. Spurious NVNT 802.11n(HT20) 5825MHz Ant1 Emission



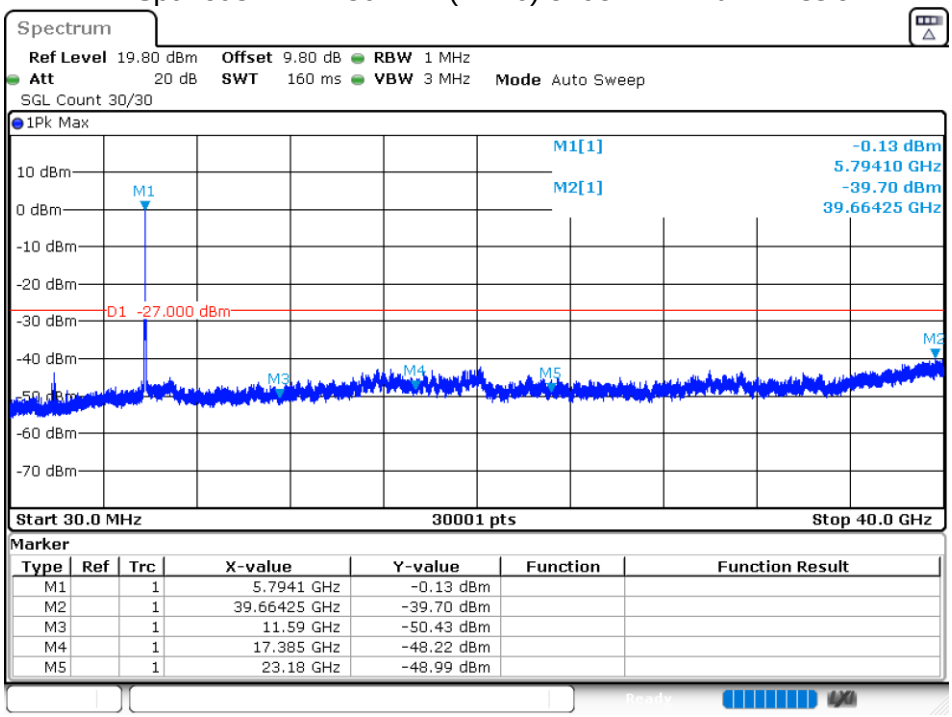

Marker

| Type | Ref | Trc | X-value | Y-value | Function | Function Result |
|---|---|---|---|---|---|---|
| M1 | | 1 | 5.8235 GHz | 2.01 dBm | | |
| M2 | | 1 | 39.23791 GHz | -40.17 dBm | | |
| M3 | | 1 | 11.65 GHz | -50.28 dBm | | |
| M4 | | 1 | 17.475 GHz | -47.79 dBm | | |
| M5 | | 1 | 23.3 GHz | -47.99 dBm | | |

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




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




END OF REPORT