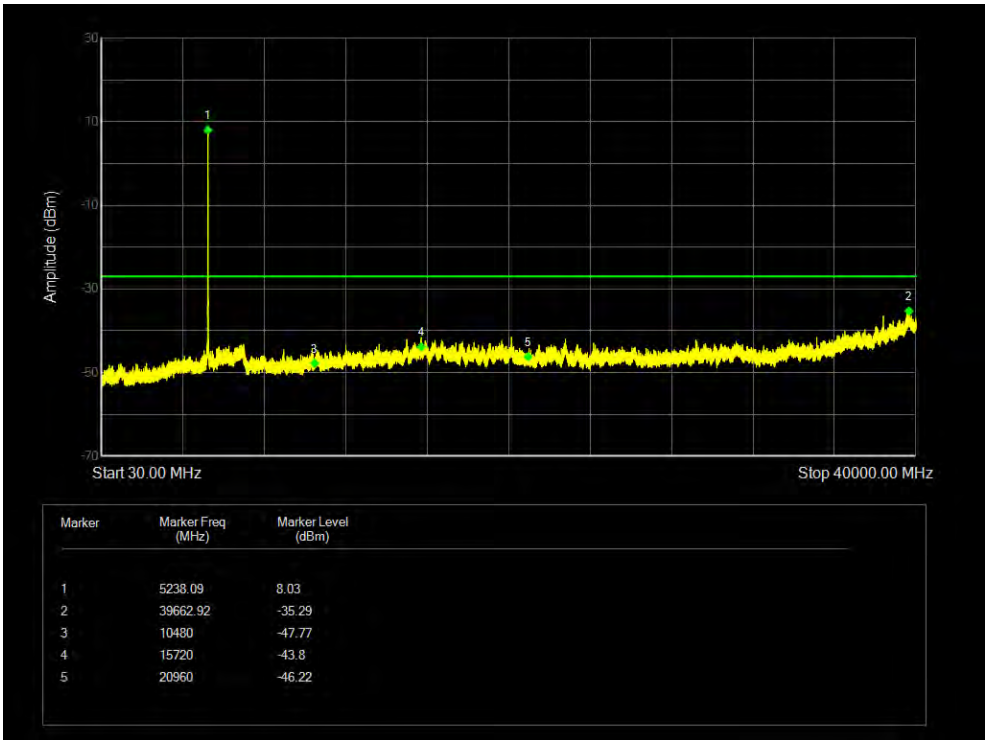
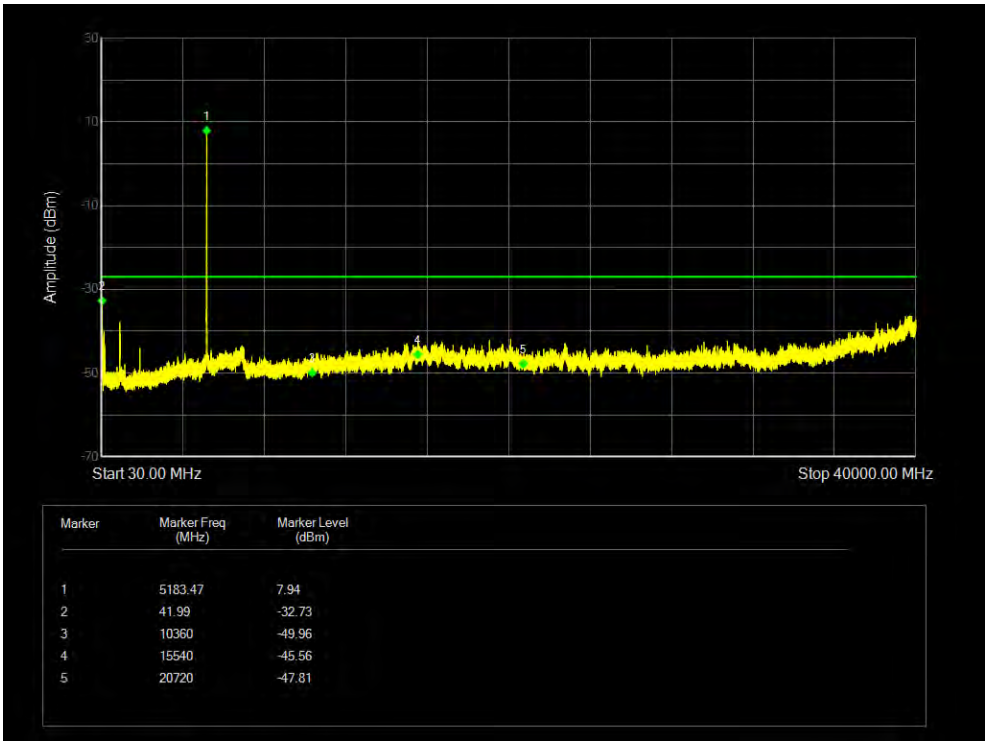
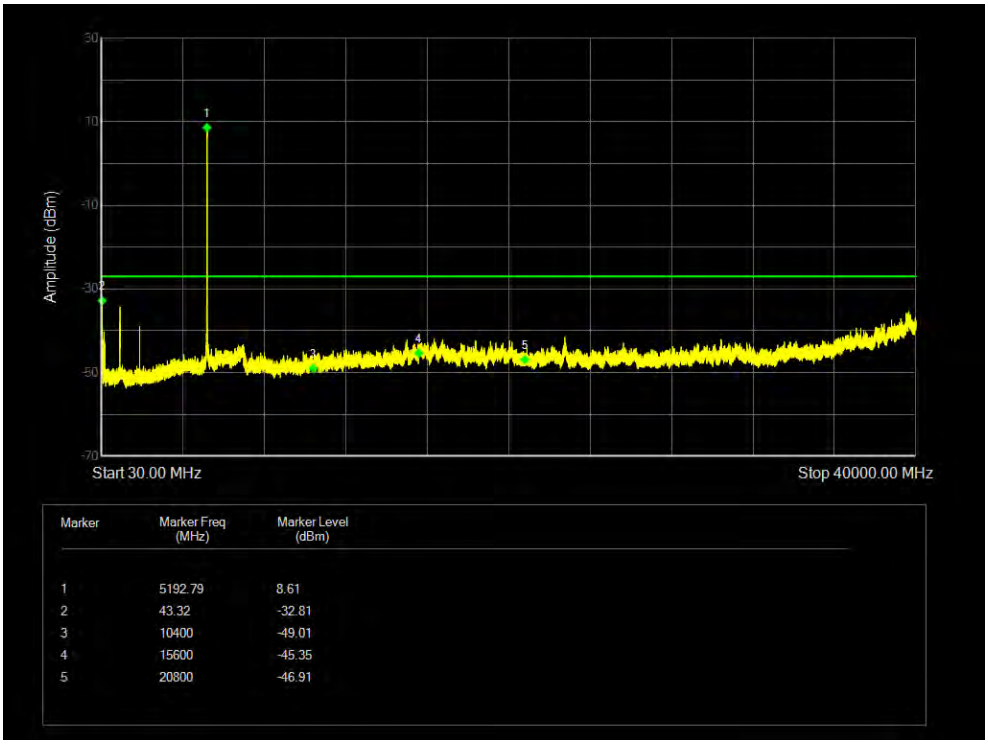
Tx. Spurious NVNT 802.11a 5240MHz Ant 1 Emission



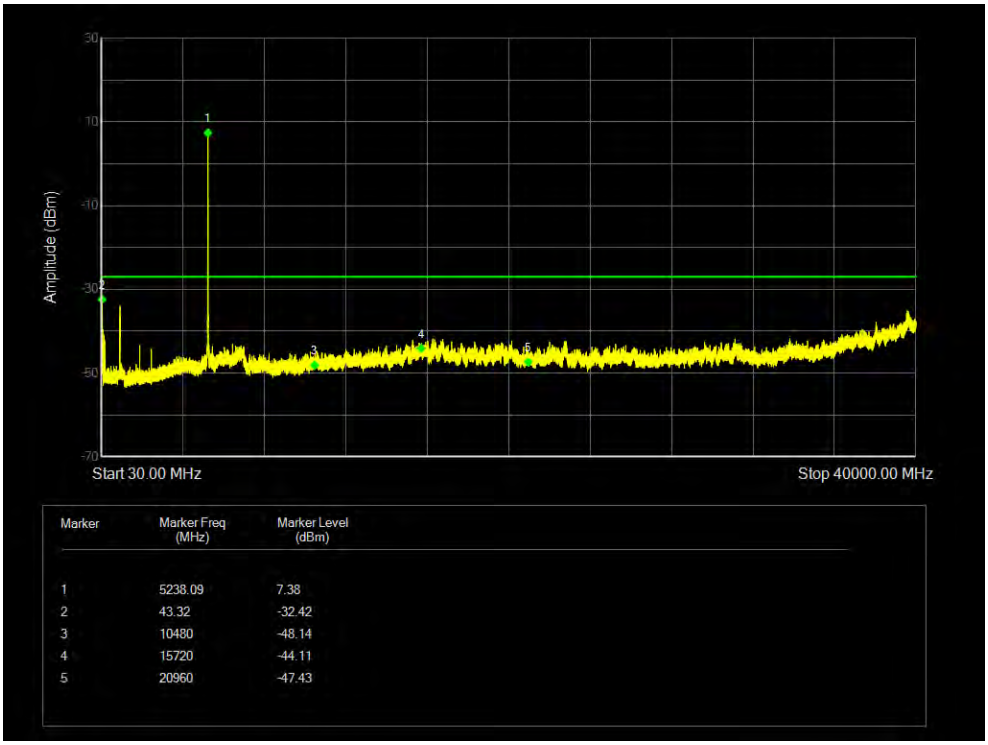
Tx. Spurious NVNT 802.11a 5180MHz Ant 2 Emission



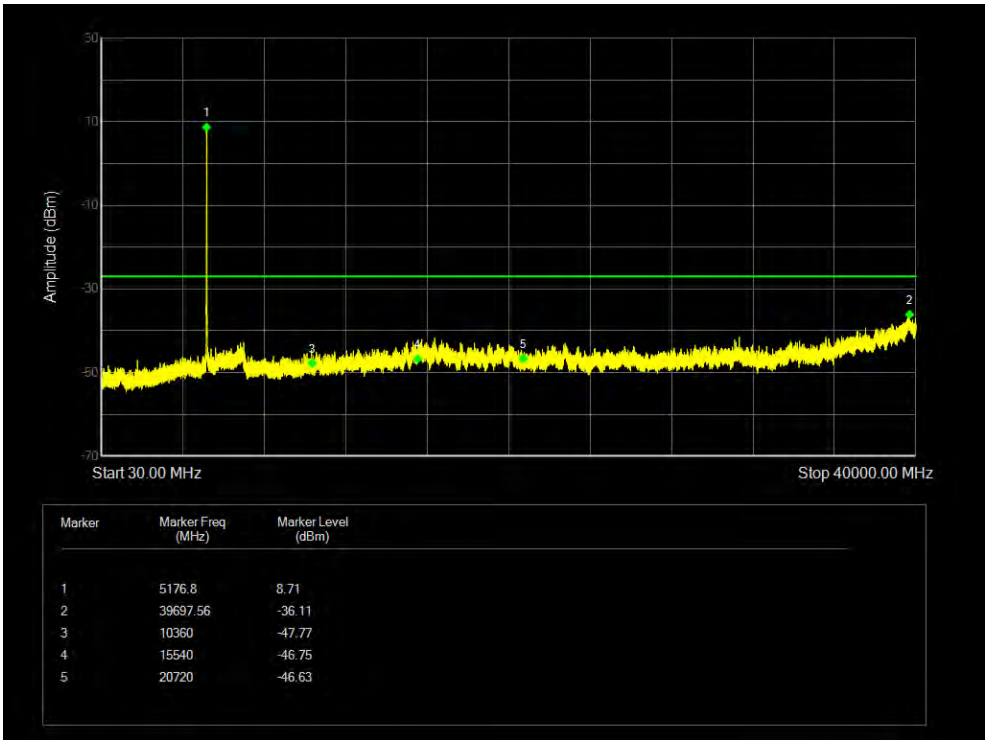
Tx. Spurious NVNT 802.11a 5200MHz Ant 2 Emission



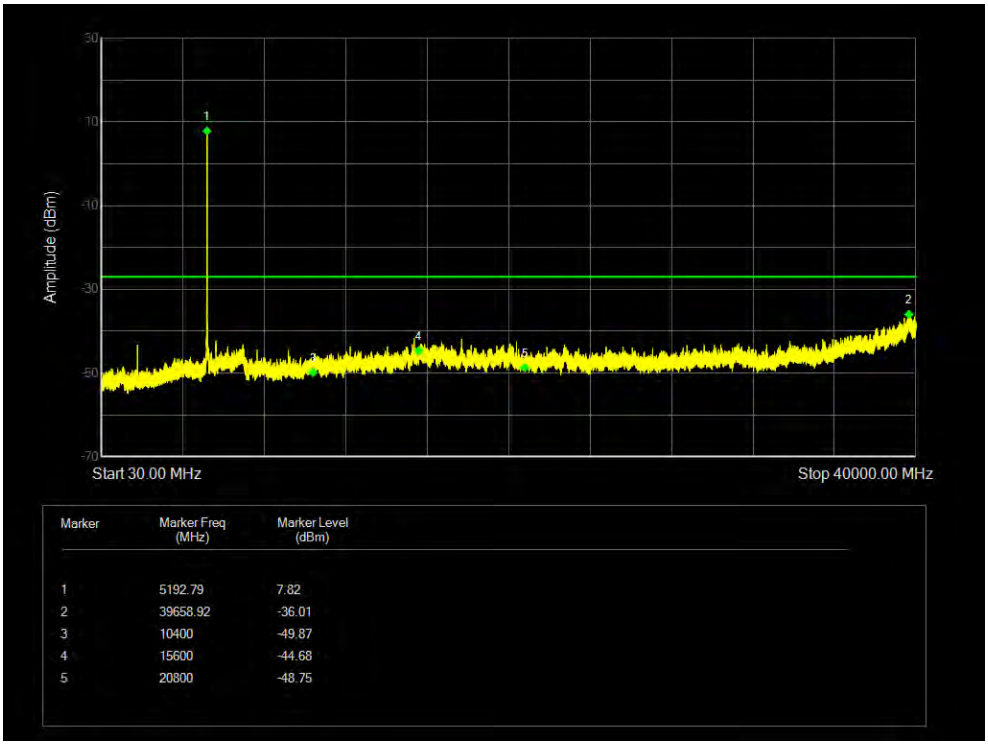
Tx. Spurious NVNT 802.11a 5240MHz Ant 2 Emission



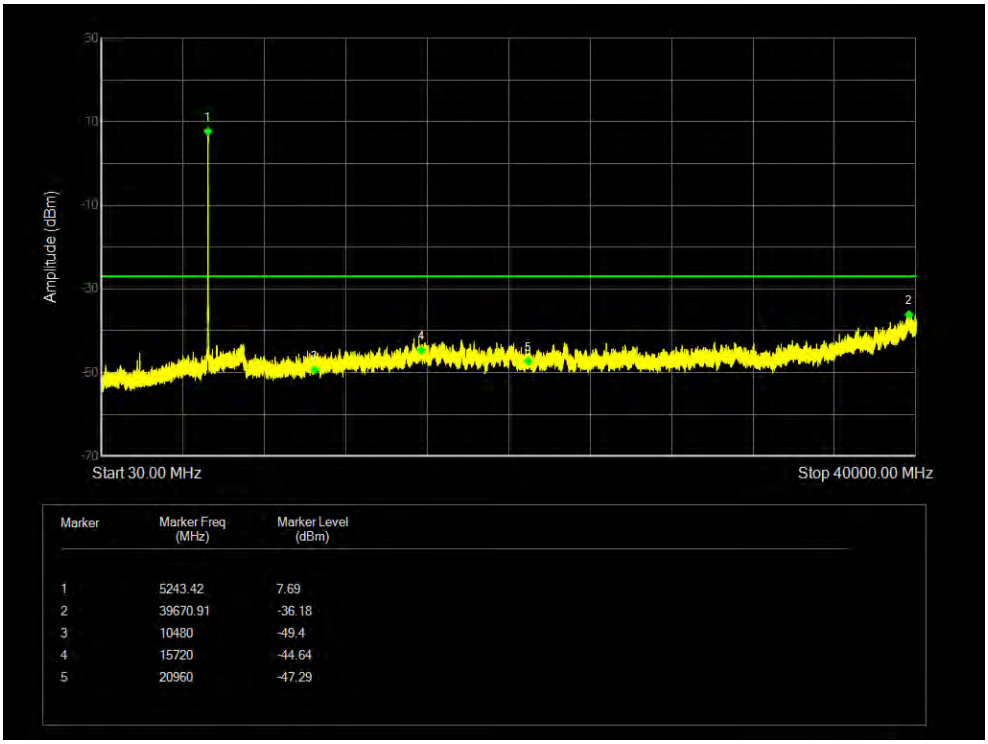
Tx. Spurious NVNT 802.11ac20 5180MHz Ant 1 Emission



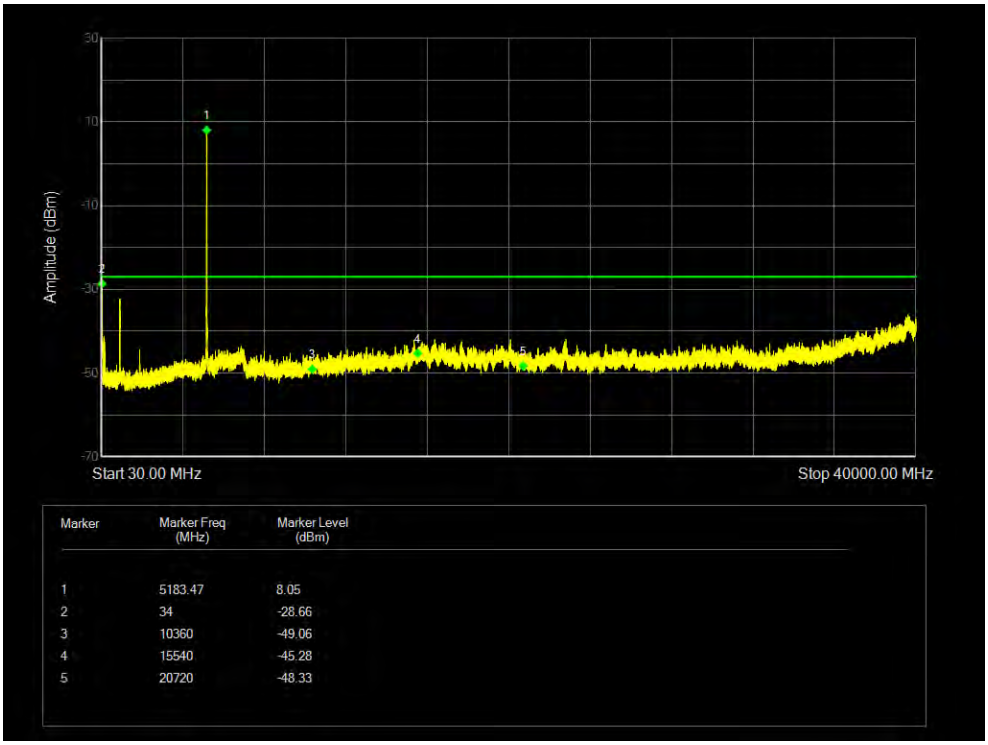
Tx. Spurious NVNT 802.11ac20 5200MHz Ant 1 Emission



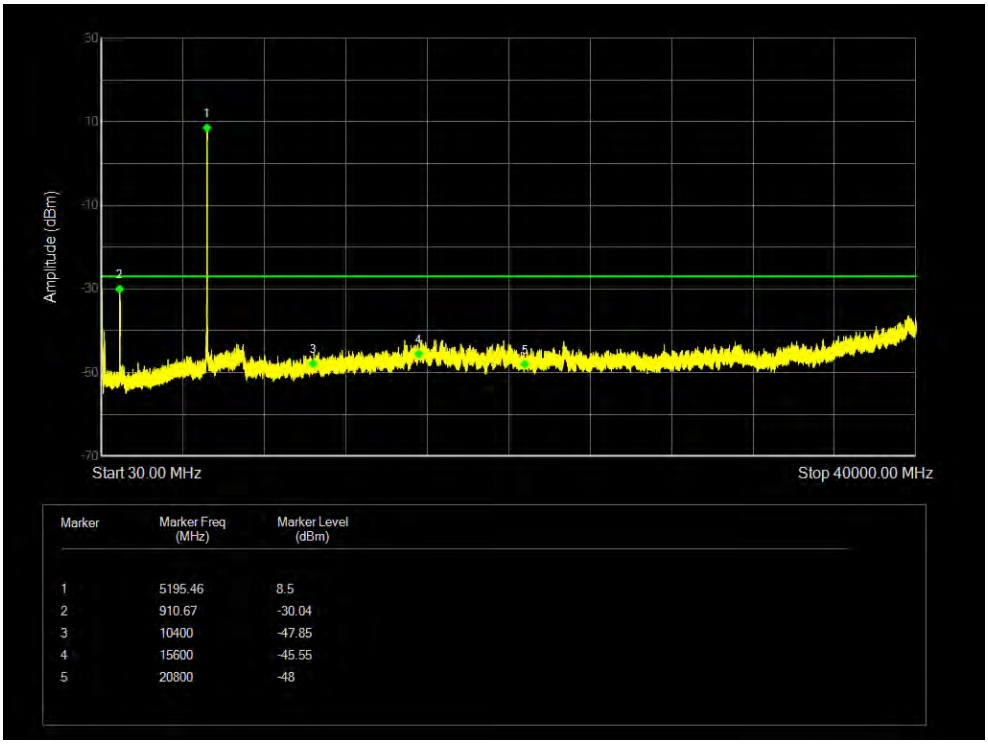
Tx. Spurious NVNT 802.11ac20 5240MHz Ant 1 Emission



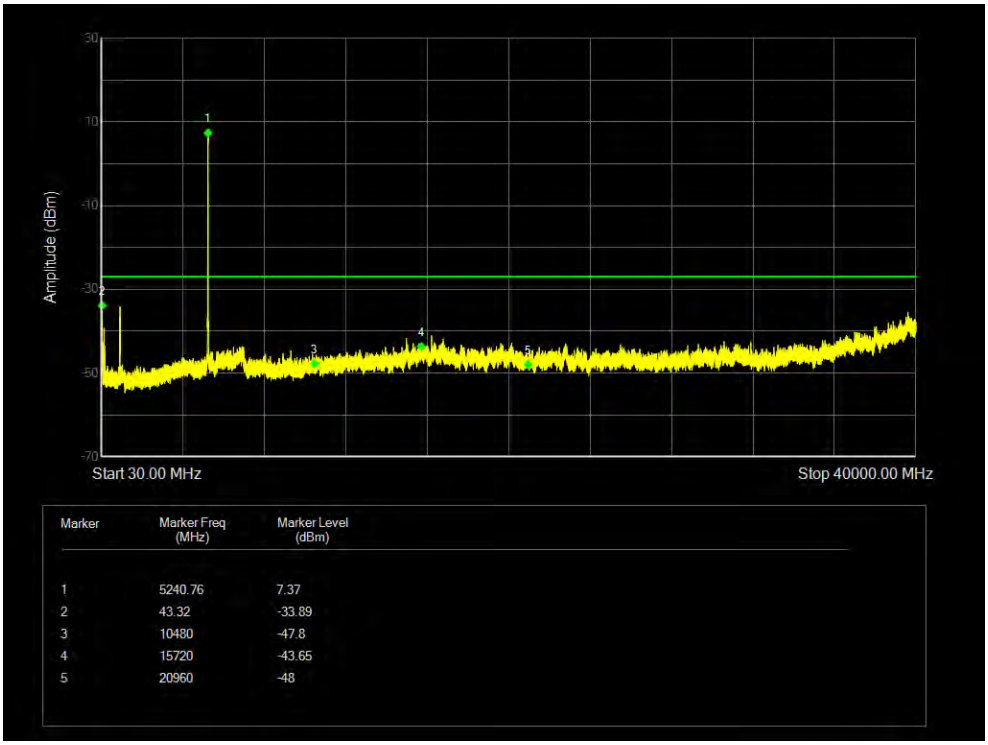
Tx. Spurious NVNT 802.11ac20 5180MHz Ant 2 Emission



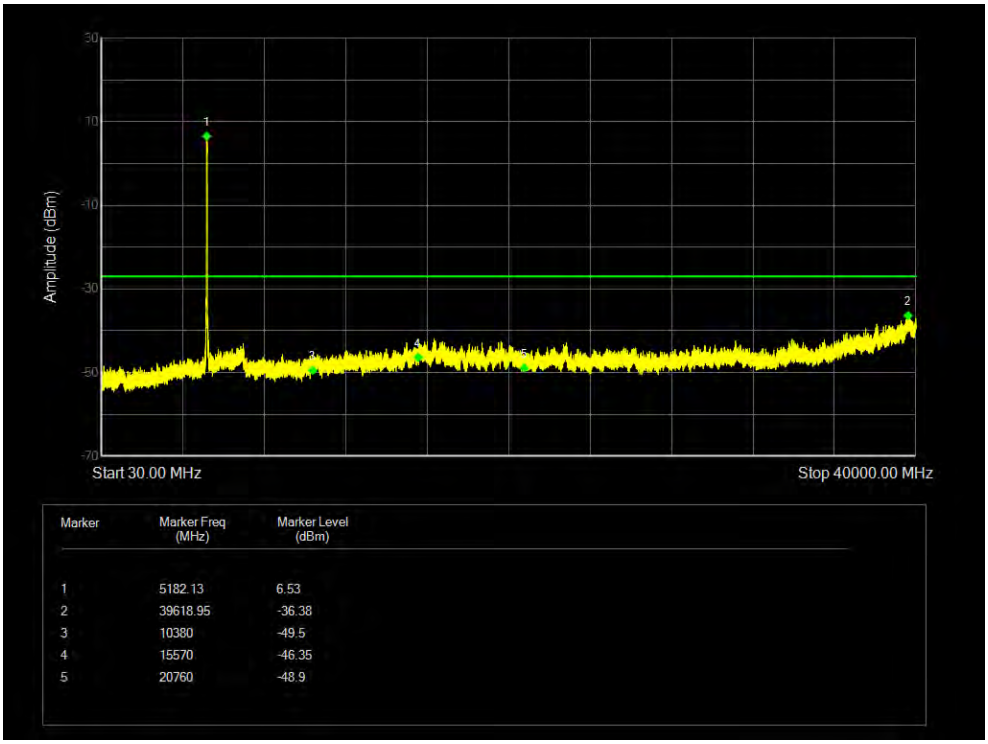
Tx. Spurious NVNT 802.11ac20 5200MHz Ant 2 Emission



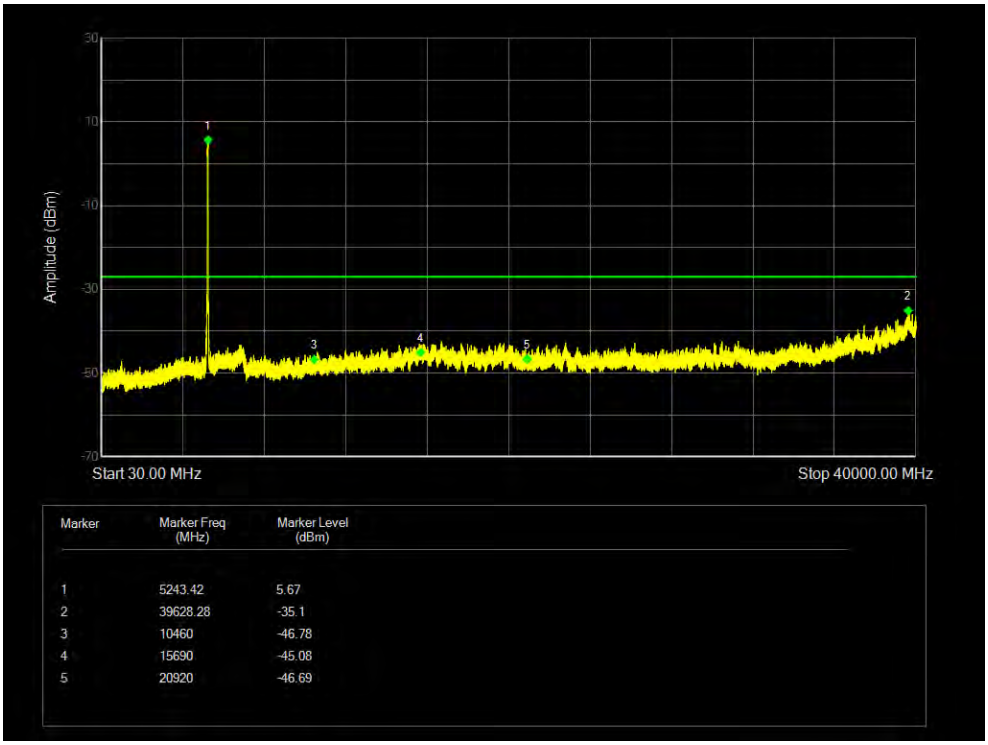
Tx. Spurious NVNT 802.11ac20 5240MHz Ant 2 Emission



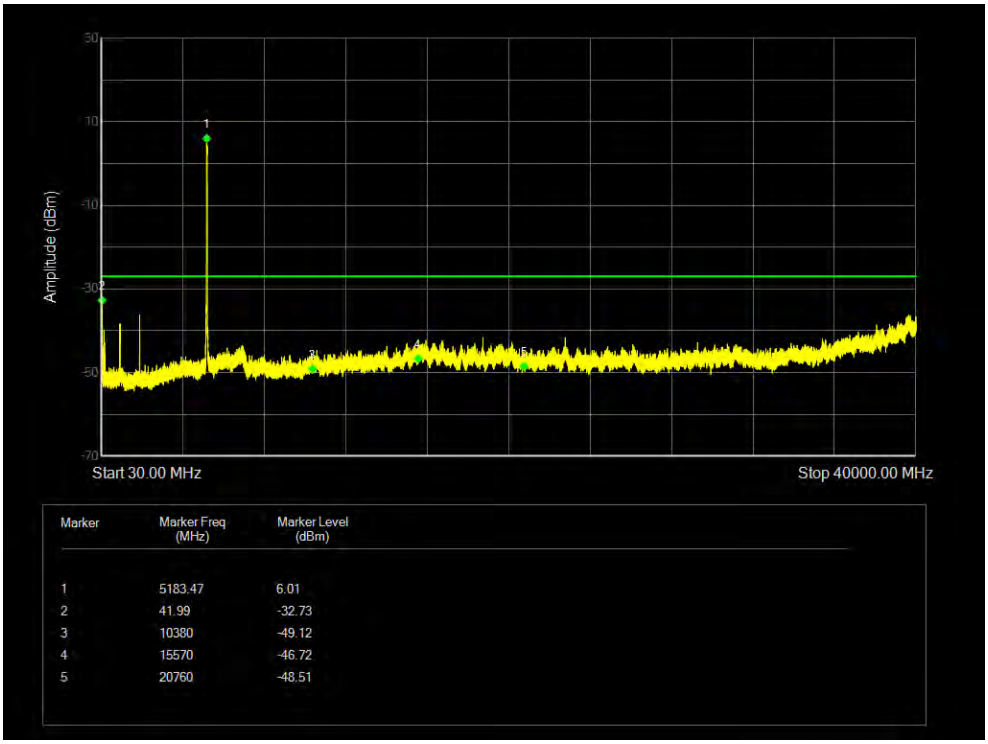
Tx. Spurious NVNT 802.11ac40 5190MHz Ant 1 Emission



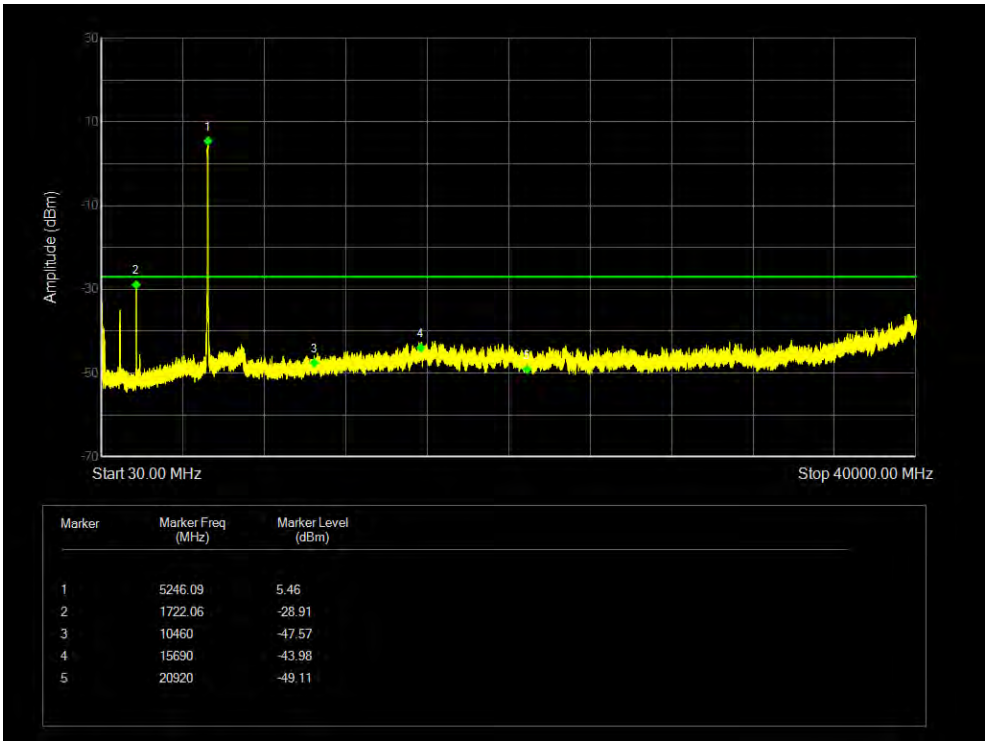
Tx. Spurious NVNT 802.11ac40 5230MHz Ant 1 Emission



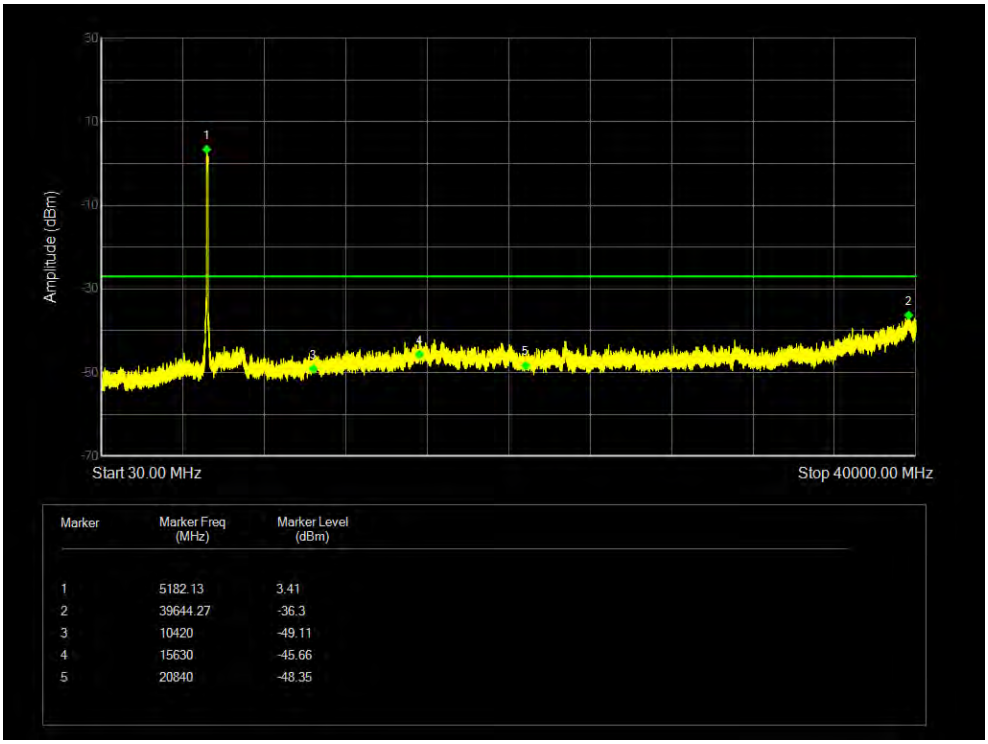
Tx. Spurious NVNT 802.11ac40 5190MHz Ant 2 Emission



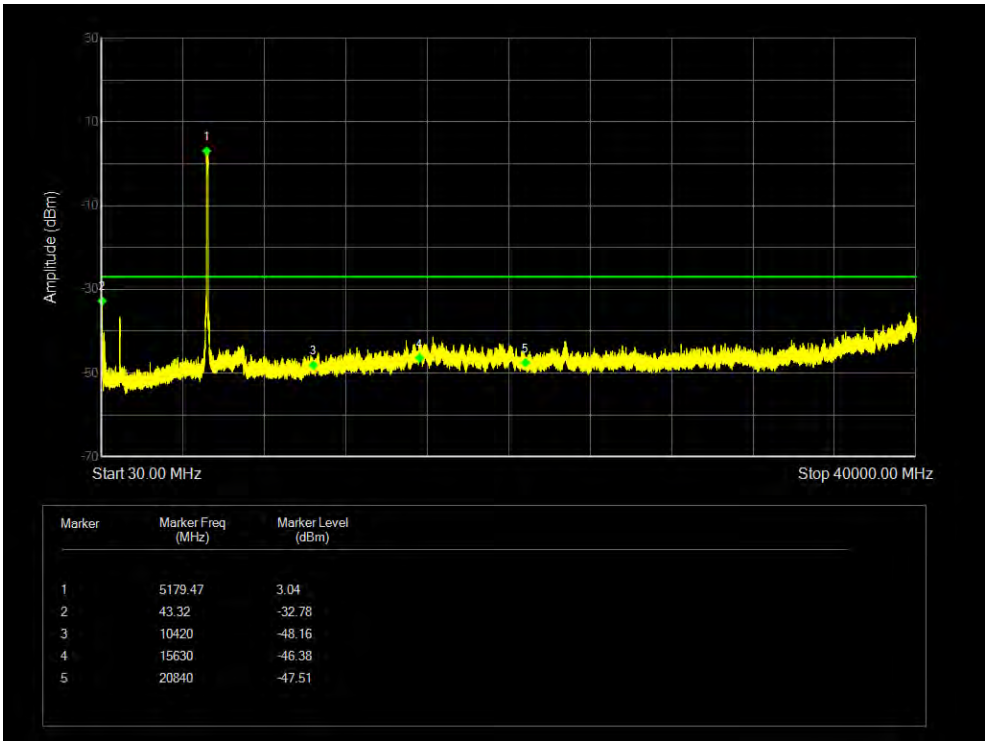
Tx. Spurious NVNT 802.11ac40 5230MHz Ant 2 Emission



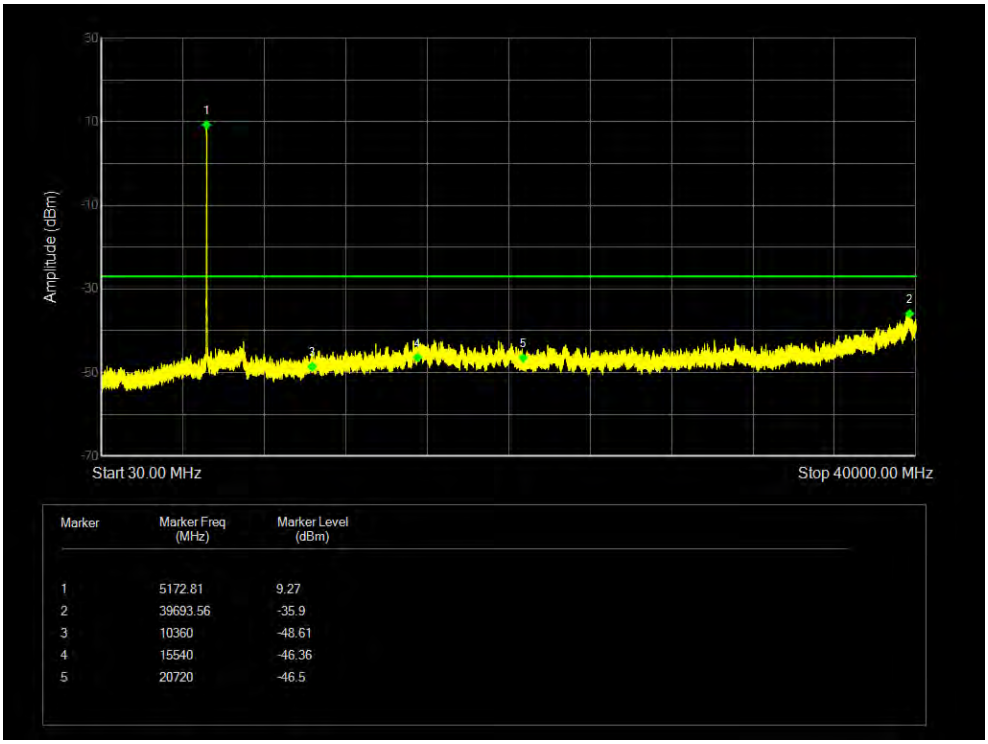
Tx. Spurious NVNT 802.11ac80 5210MHz Ant 1 Emission



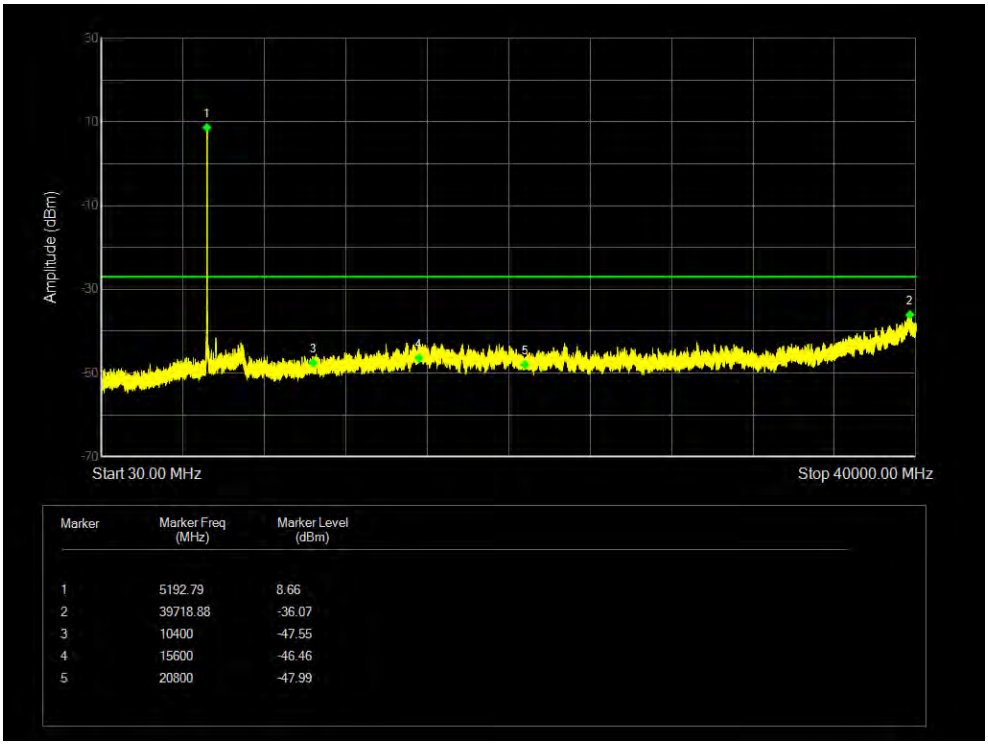
Tx. Spurious NVNT 802.11ac80 5210MHz Ant 2 Emission



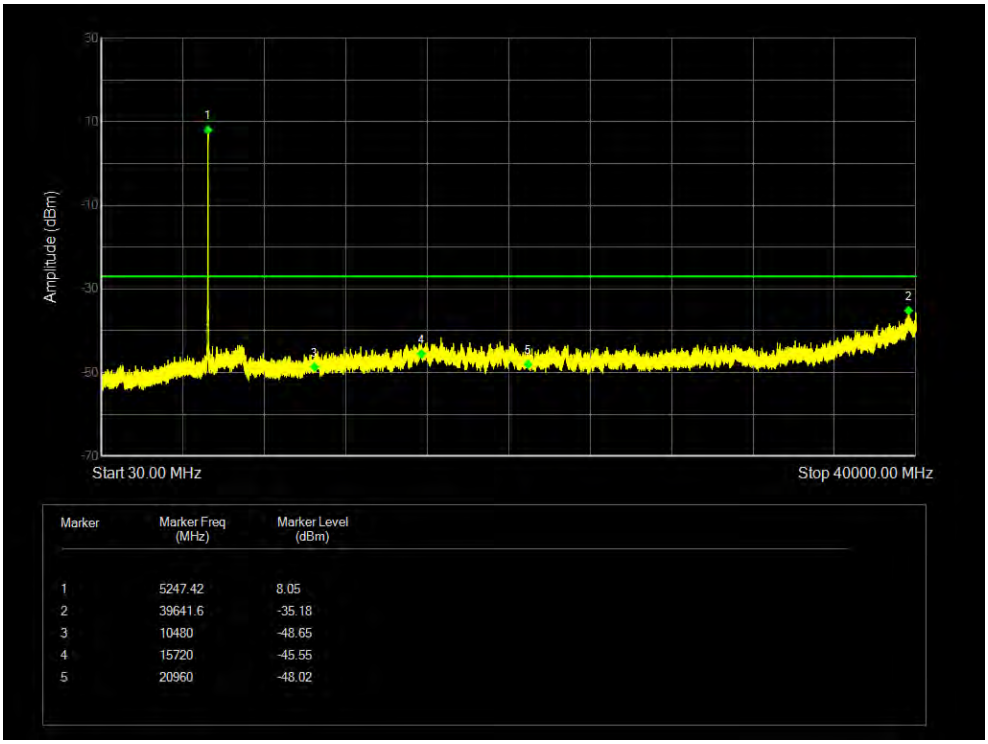
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant 1 Emission



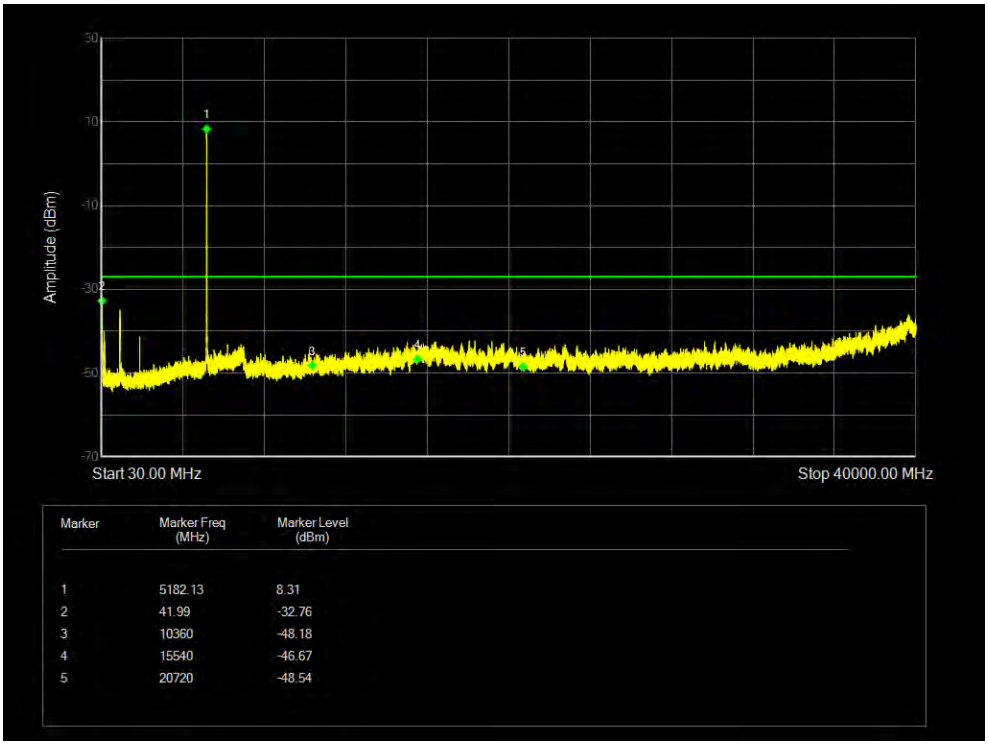
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant 1 Emission



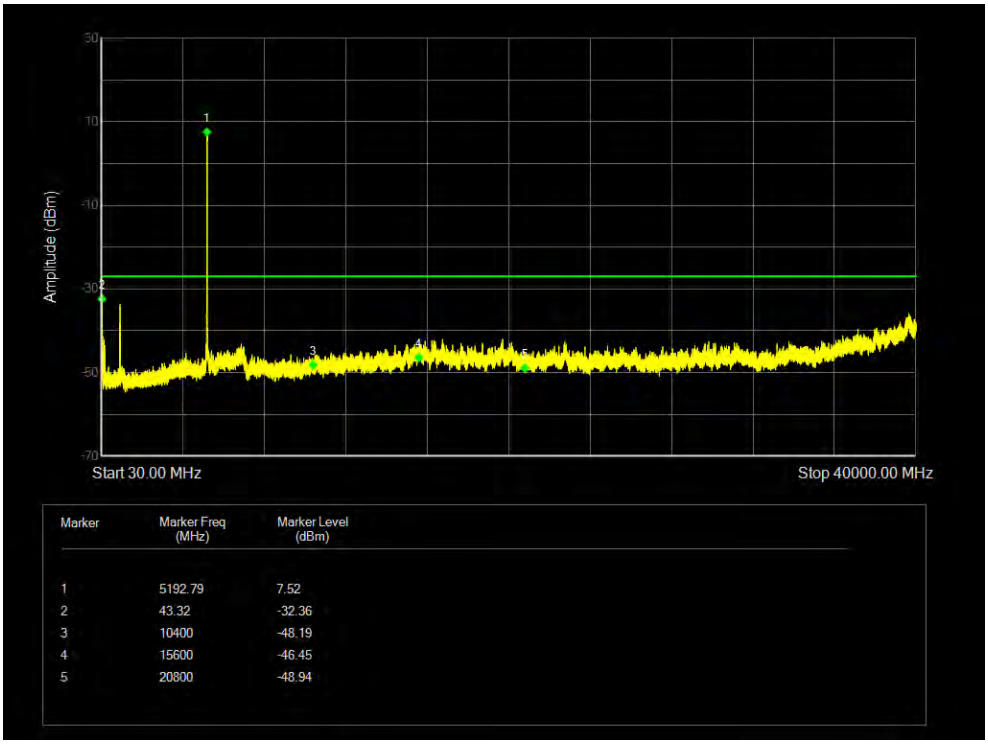
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant 1 Emission



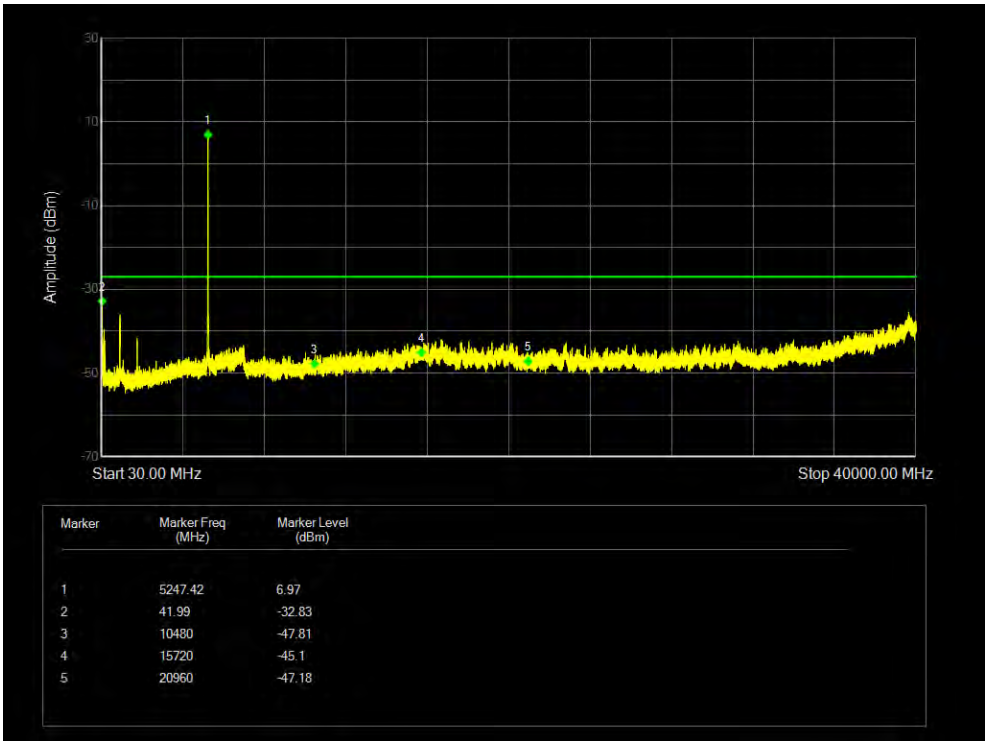
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Ant 2 Emission



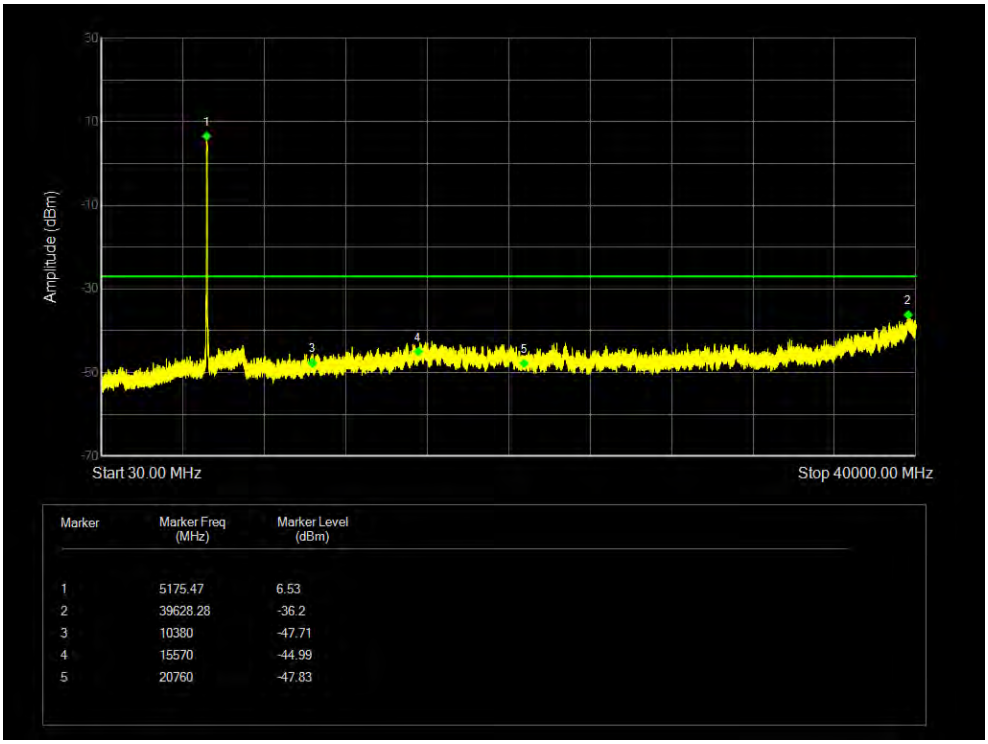
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Ant 2 Emission



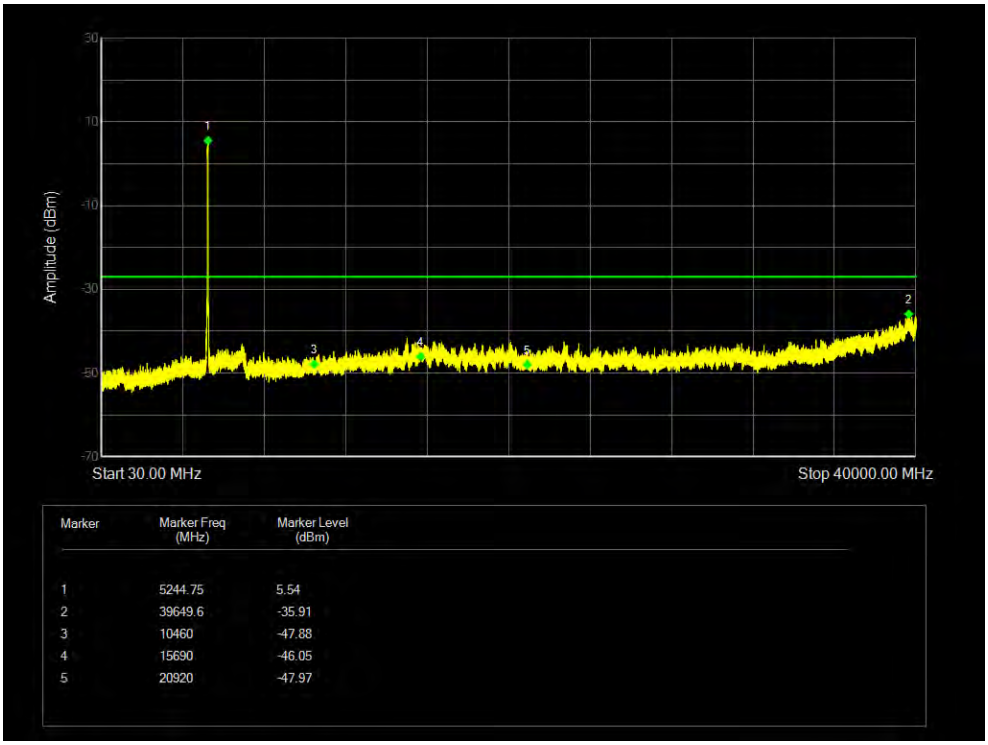
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Ant 2 Emission



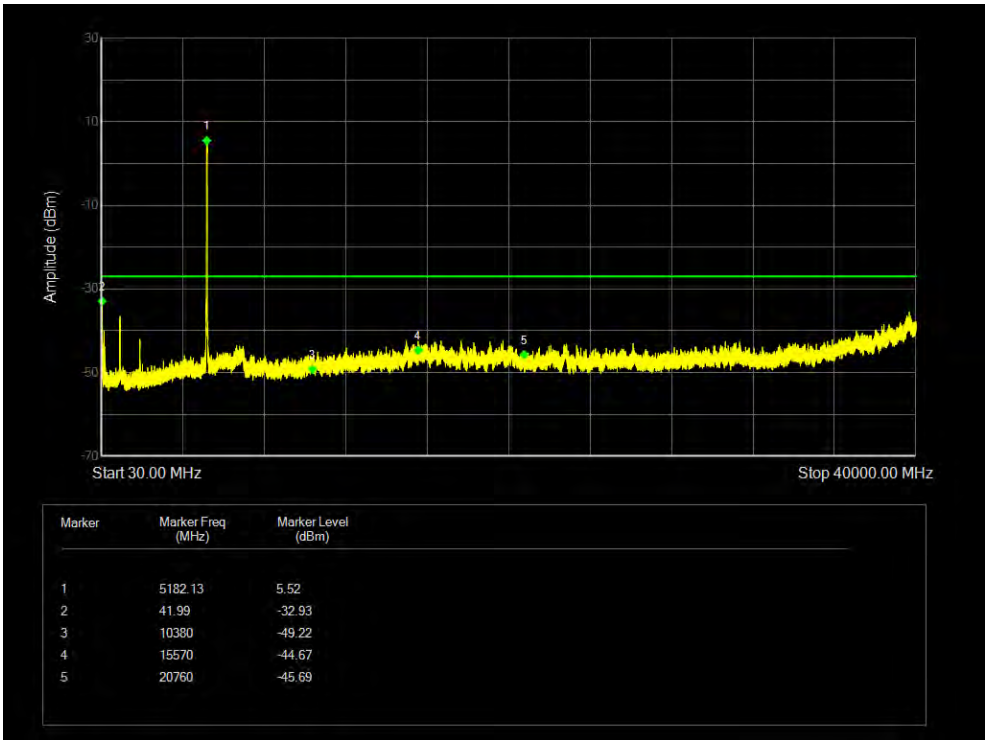
Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant 1 Emission



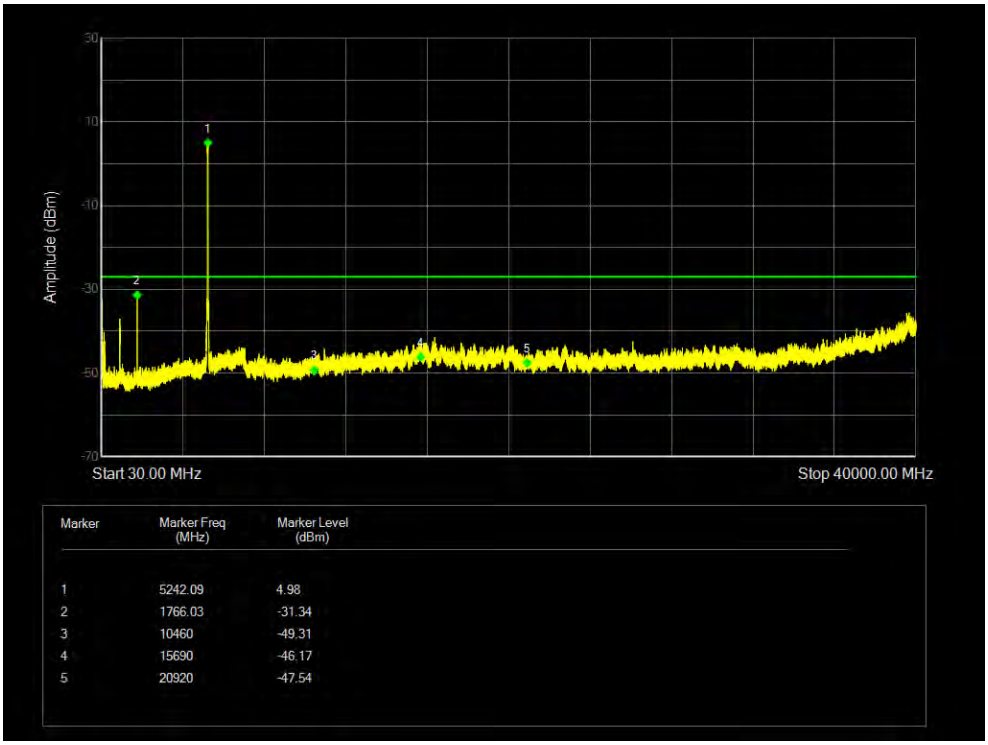
Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant 1 Emission



Tx. Spurious NVNT 802.11n(HT40) 5190MHz Ant 2 Emission



Tx. Spurious NVNT 802.11n(HT40) 5230MHz Ant 2 Emission

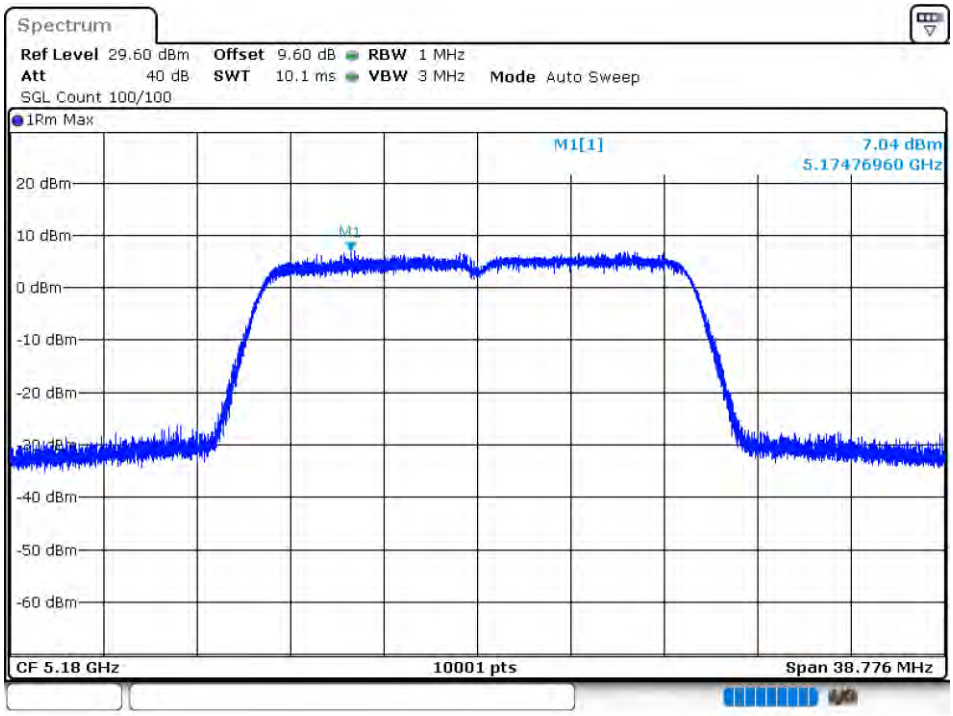


5.2G(MIMO):

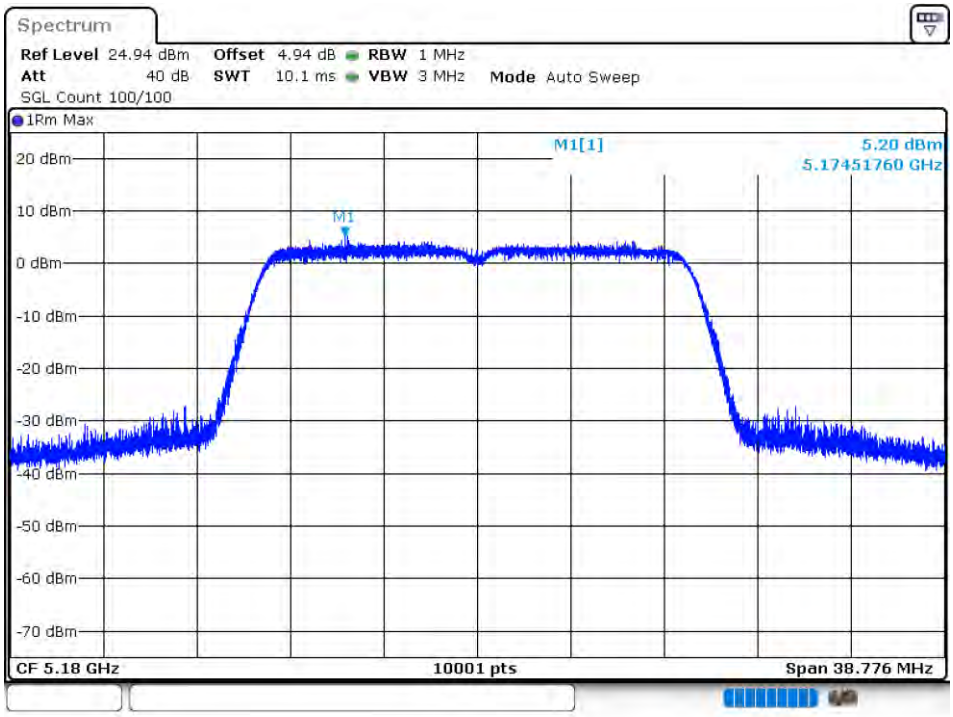
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5180	Ant 1	7.043	11	Pass
NVNT	802.11ac20	5180	Ant 2	5.197	11	Pass
NVNT	802.11ac20	5180	Sum	9.228	11	Pass
NVNT	802.11ac20	5200	Ant 1	6.185	11	Pass
NVNT	802.11ac20	5200	Ant 2	4.406	11	Pass
NVNT	802.11ac20	5200	Sum	8.396	11	Pass
NVNT	802.11ac20	5240	Ant 1	7.514	11	Pass
NVNT	802.11ac20	5240	Ant 2	6.43	11	Pass
NVNT	802.11ac20	5240	Sum	10.016	11	Pass
NVNT	802.11ac40	5190	Ant 1	3.087	11	Pass
NVNT	802.11ac40	5190	Ant 2	2.278	11	Pass
NVNT	802.11ac40	5190	Sum	5.712	11	Pass
NVNT	802.11ac40	5230	Ant 1	2.291	11	Pass
NVNT	802.11ac40	5230	Ant 2	2.921	11	Pass
NVNT	802.11ac40	5230	Sum	5.628	11	Pass
NVNT	802.11ac80	5210	Ant 1	2.637	11	Pass
NVNT	802.11ac80	5210	Ant 2	1.385	11	Pass
NVNT	802.11ac80	5210	Sum	5.066	11	Pass
NVNT	802.11n(HT20)	5180	Ant 1	5.824	11	Pass
NVNT	802.11n(HT20)	5180	Ant 2	6.233	11	Pass
NVNT	802.11n(HT20)	5180	Sum	9.044	11	Pass
NVNT	802.11n(HT20)	5200	Ant 1	6.93	11	Pass
NVNT	802.11n(HT20)	5200	Ant 2	6.41	11	Pass
NVNT	802.11n(HT20)	5200	Sum	9.688	11	Pass
NVNT	802.11n(HT20)	5240	Ant 1	4.912	11	Pass
NVNT	802.11n(HT20)	5240	Ant 2	6.003	11	Pass
NVNT	802.11n(HT20)	5240	Sum	8.502	11	Pass
NVNT	802.11n(HT40)	5190	Ant 1	5.903	11	Pass
NVNT	802.11n(HT40)	5190	Ant 2	4.616	11	Pass
NVNT	802.11n(HT40)	5190	Sum	8.317	11	Pass
NVNT	802.11n(HT40)	5230	Ant 1	4.966	11	Pass
NVNT	802.11n(HT40)	5230	Ant 2	5.235	11	Pass
NVNT	802.11n(HT40)	5230	Sum	8.113	11	Pass

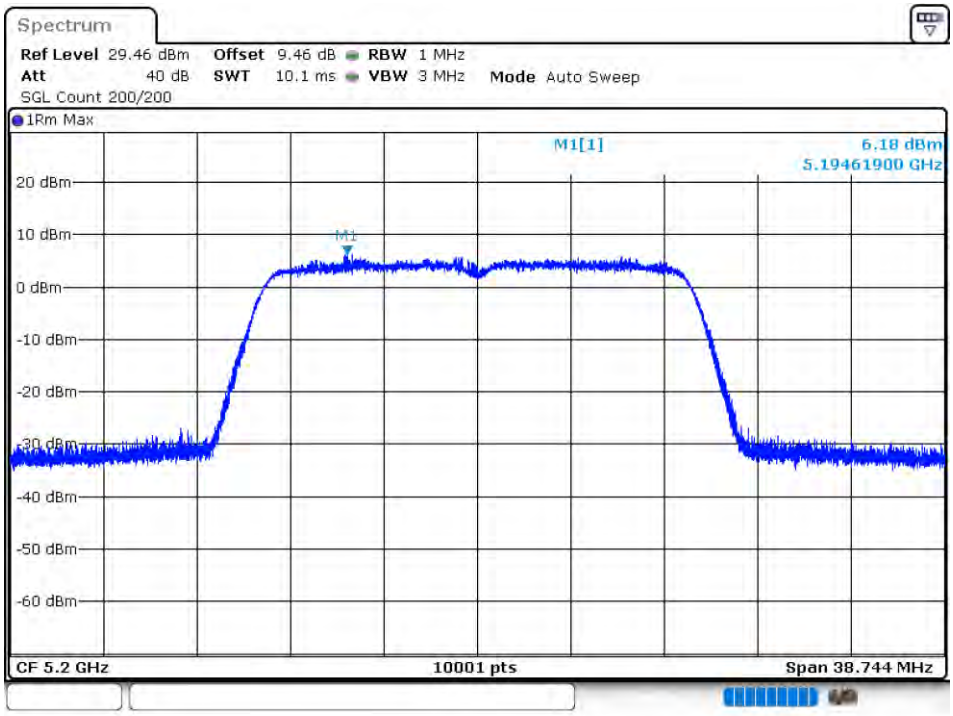
PSD NVNT 802.11ac20 5180MHz Ant1



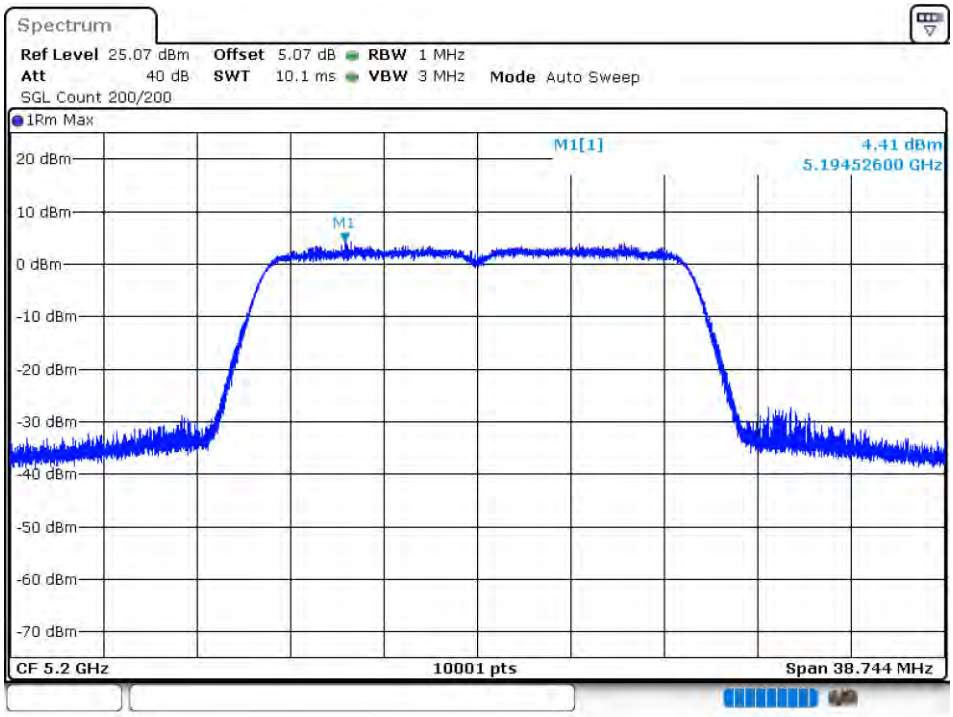
PSD NVNT 802.11ac20 5180MHz Ant2



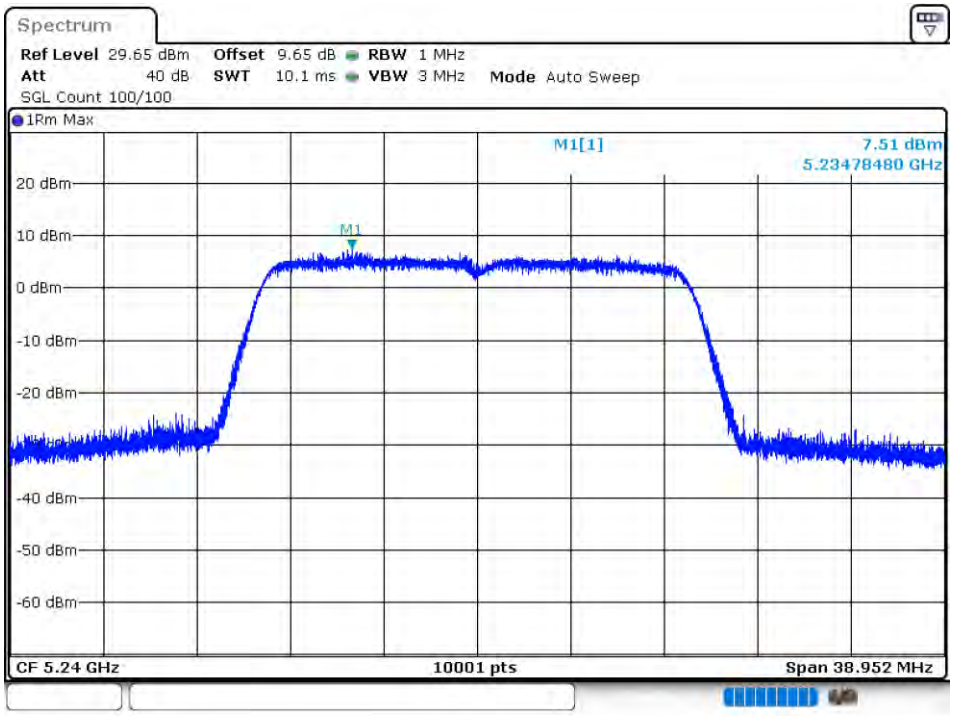
PSD NVNT 802.11ac20 5200MHz Ant1



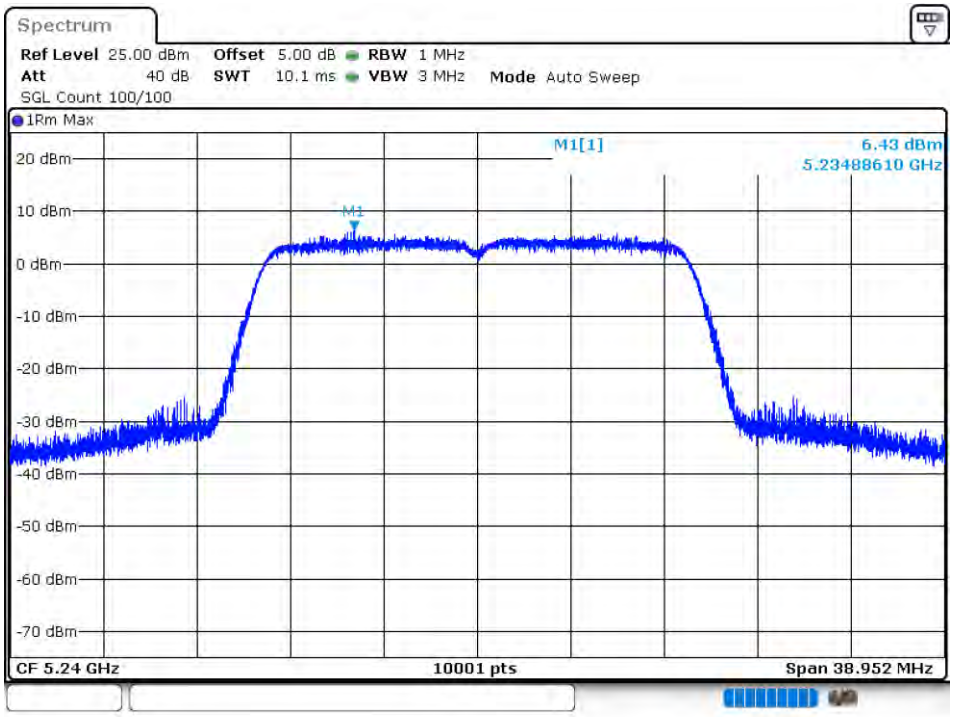
PSD NVNT 802.11ac20 5200MHz Ant2



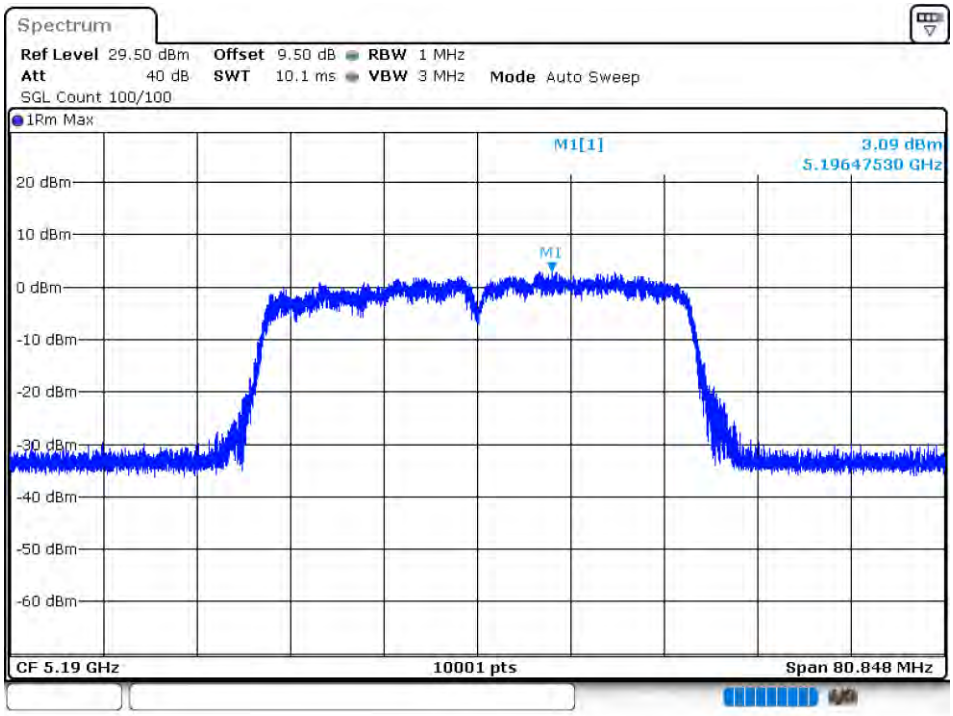
PSD NVNT 802.11ac20 5240MHz Ant1



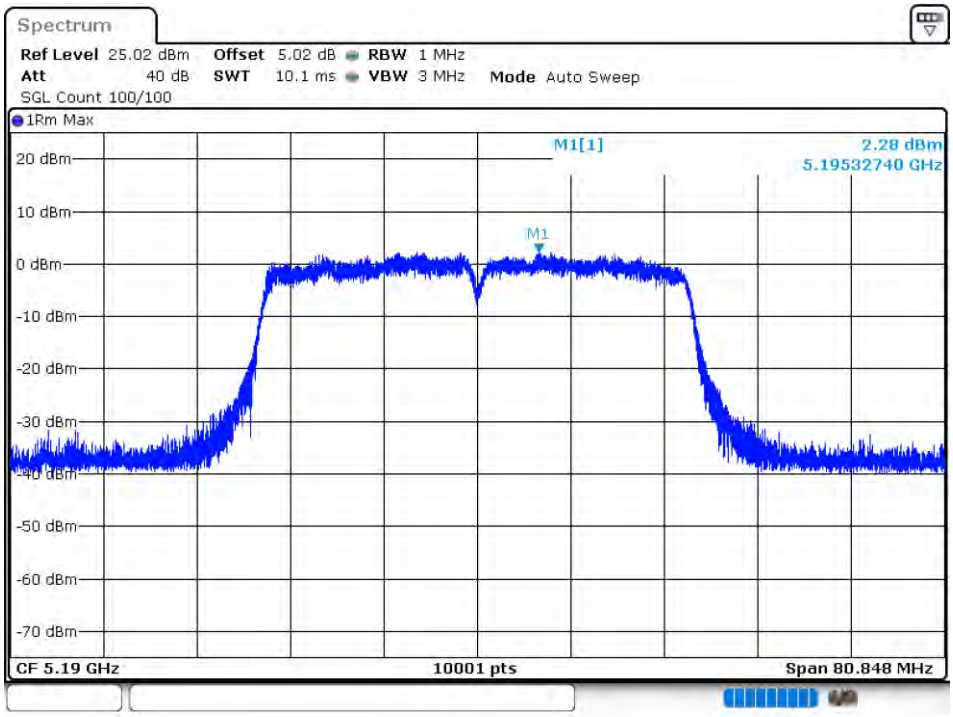
PSD NVNT 802.11ac20 5240MHz Ant2



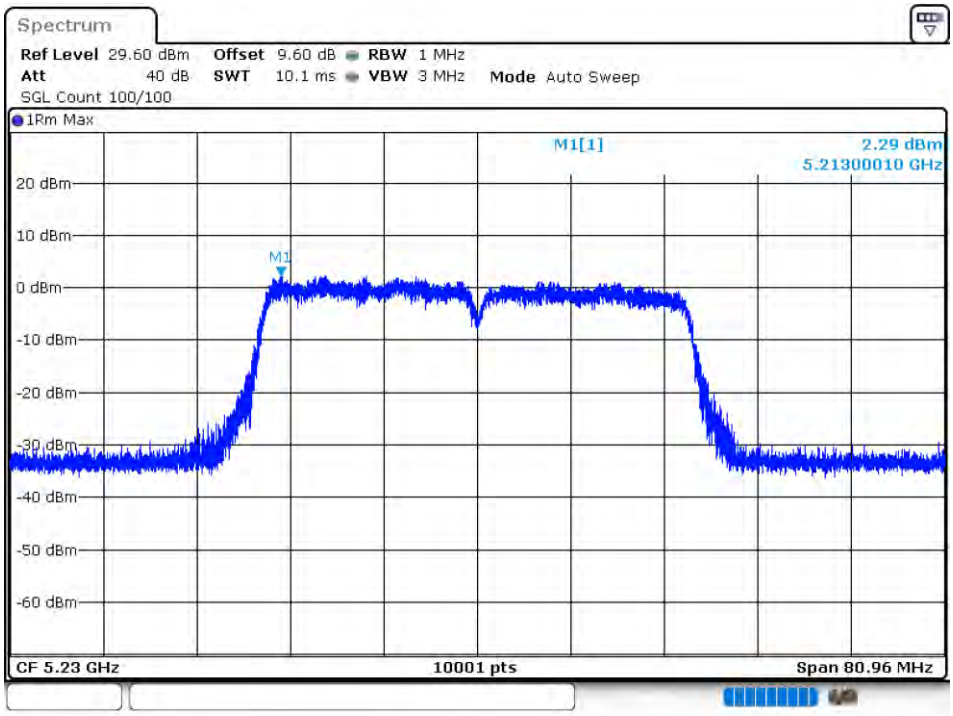
PSD NVNT 802.11ac40 5190MHz Ant1



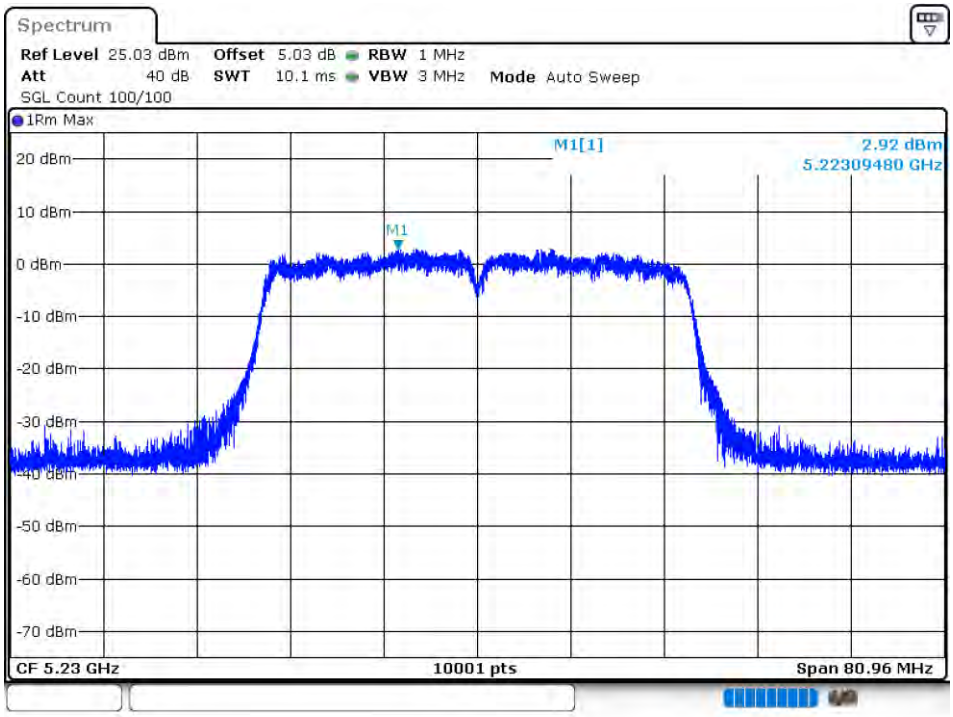
PSD NVNT 802.11ac40 5190MHz Ant2



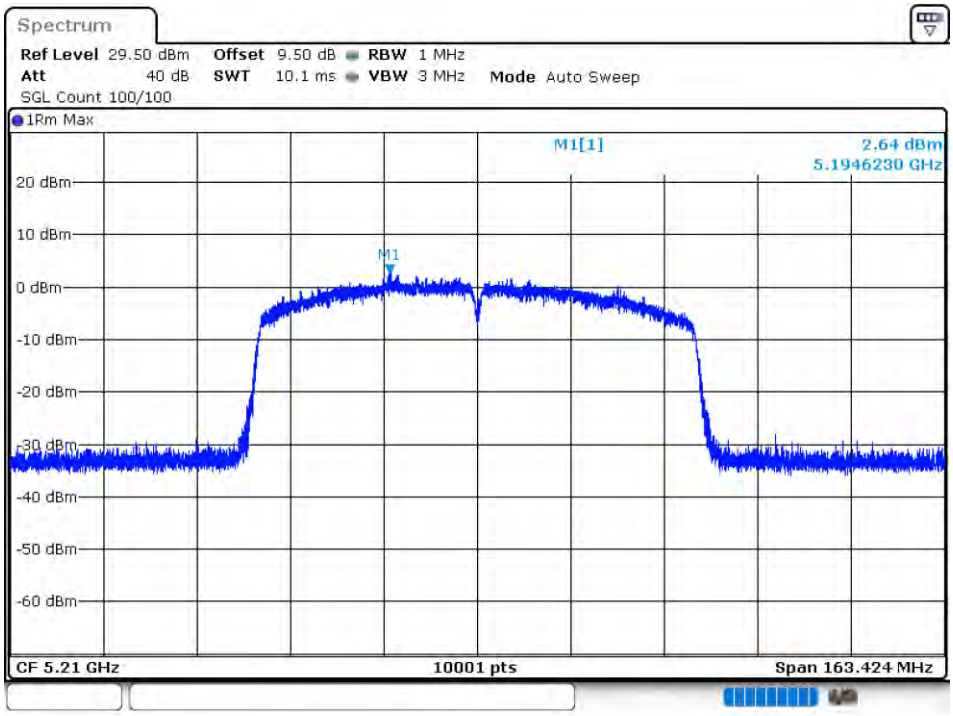
PSD NVNT 802.11ac40 5230MHz Ant1



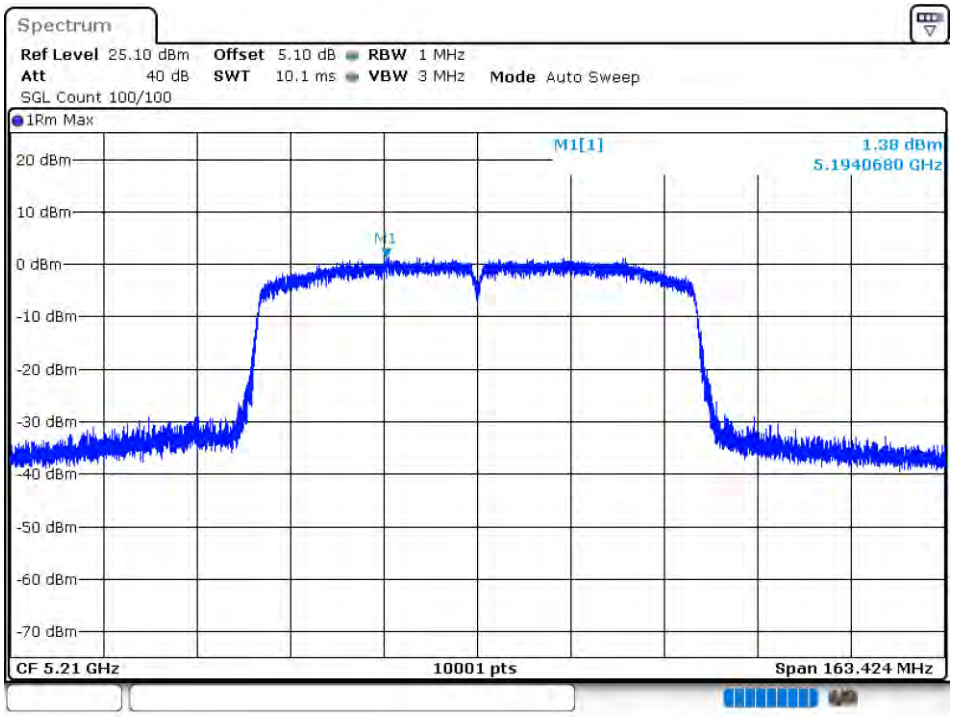
PSD NVNT 802.11ac40 5230MHz Ant2



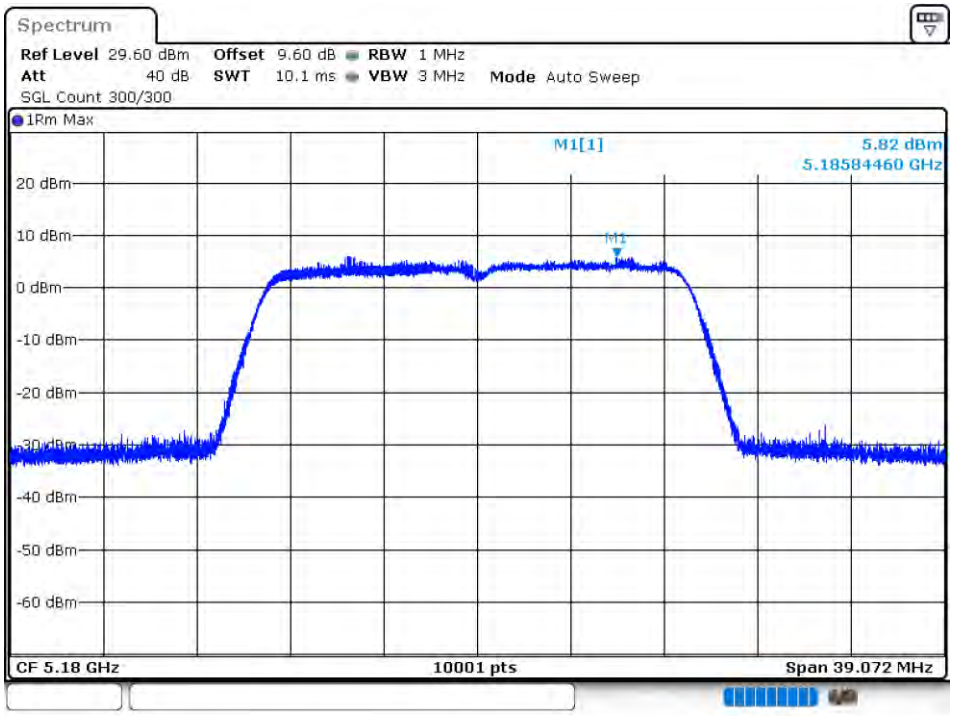
PSD NVNT 802.11ac80 5210MHz Ant1



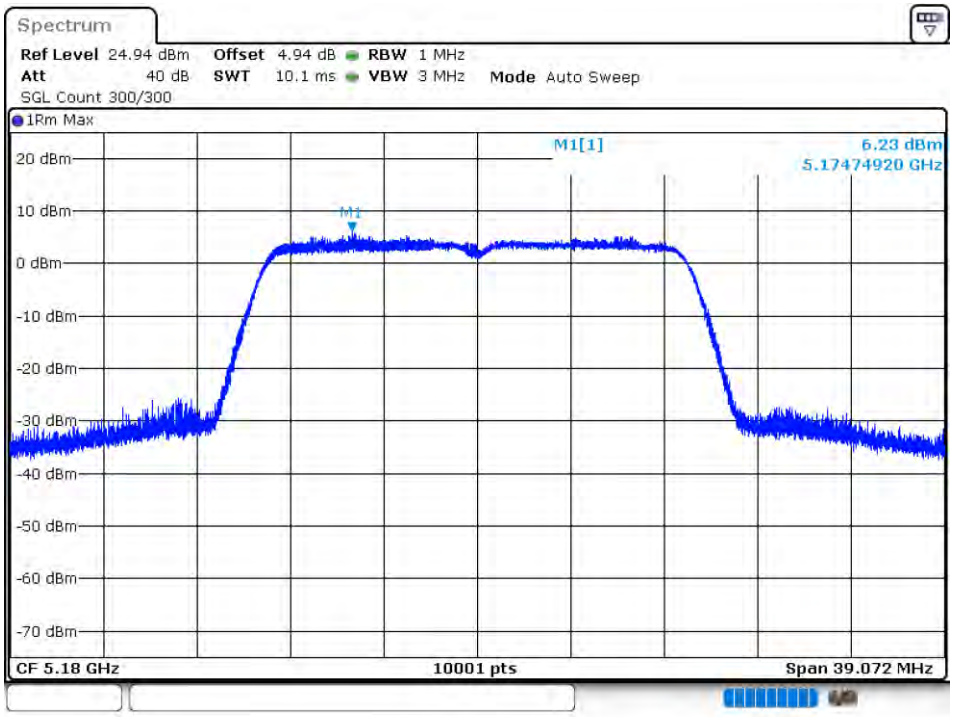
PSD NVNT 802.11ac80 5210MHz Ant2



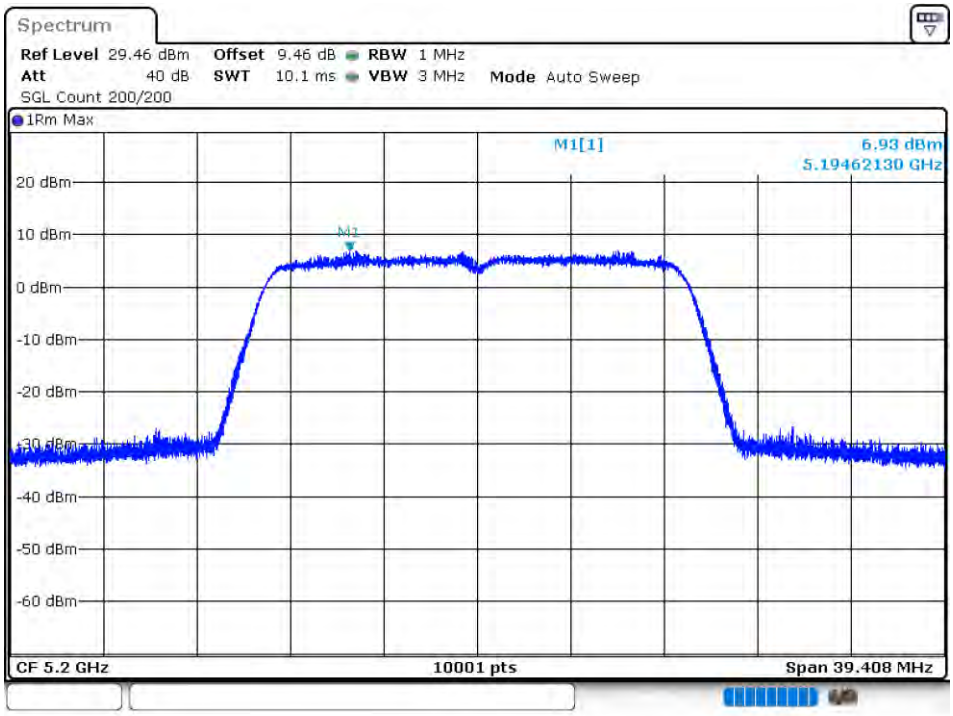
PSD NVNT 802.11n(HT20) 5180MHz Ant1



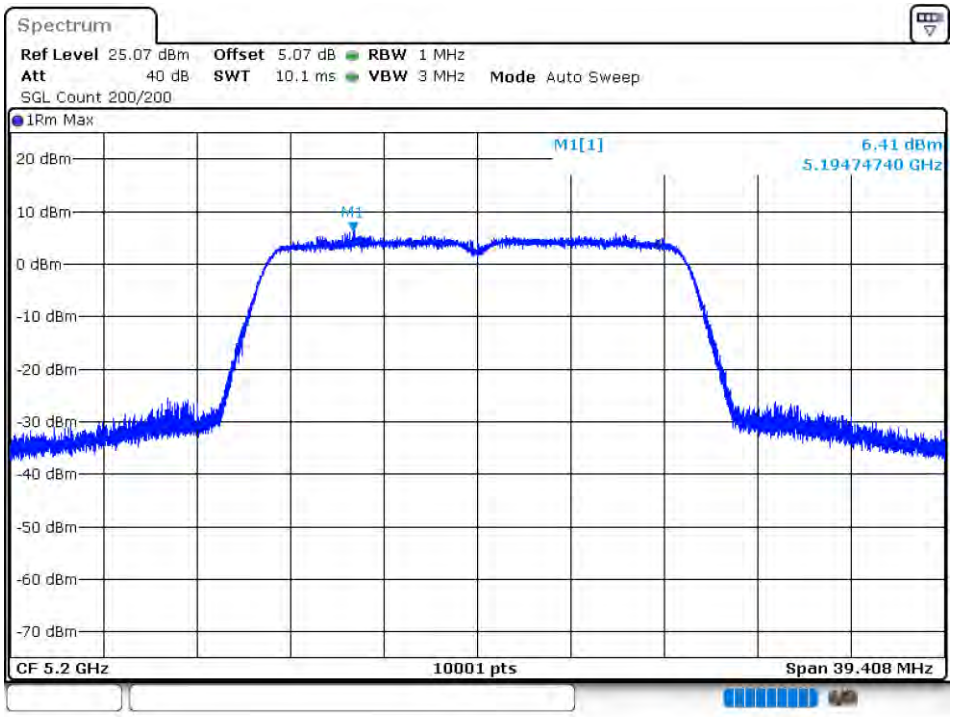
PSD NVNT 802.11n(HT20) 5180MHz Ant2



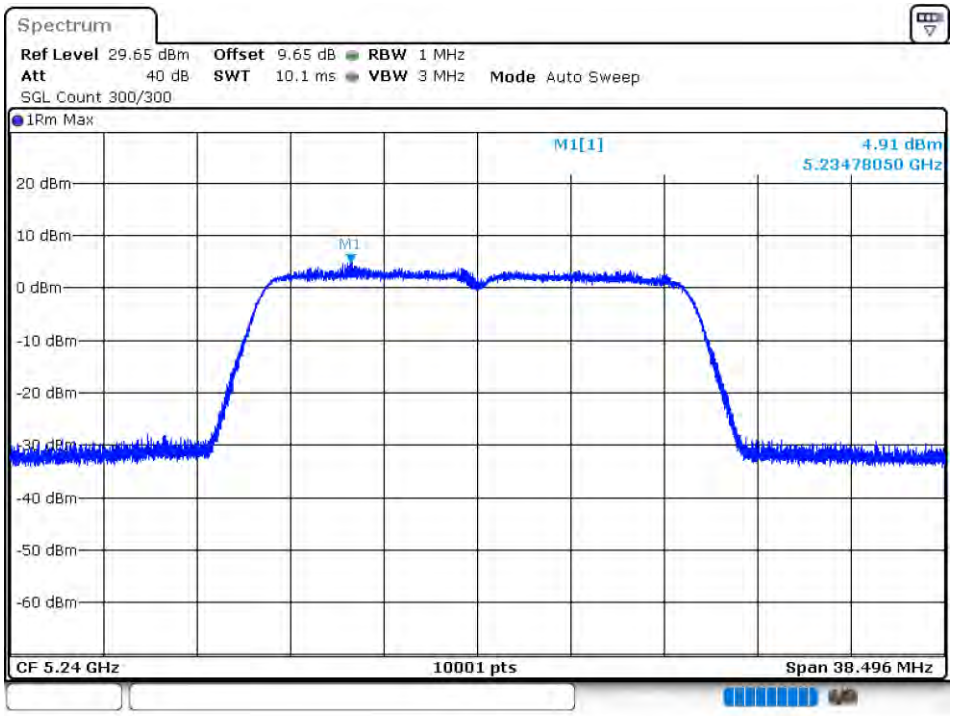
PSD NVNT 802.11n(HT20) 5200MHz Ant1



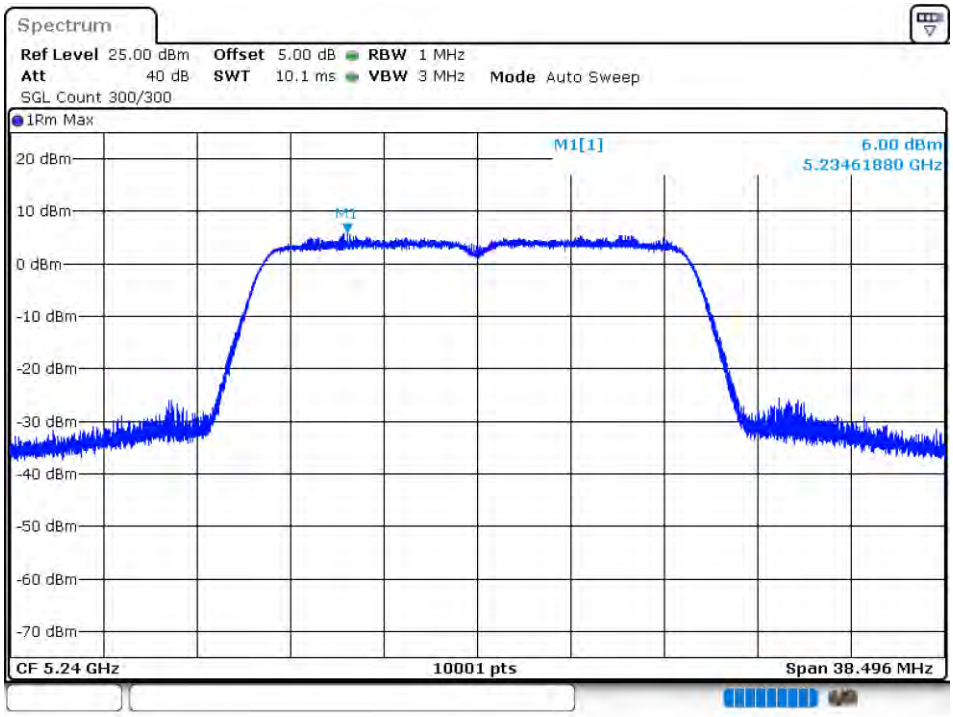
PSD NVNT 802.11n(HT20) 5200MHz Ant2



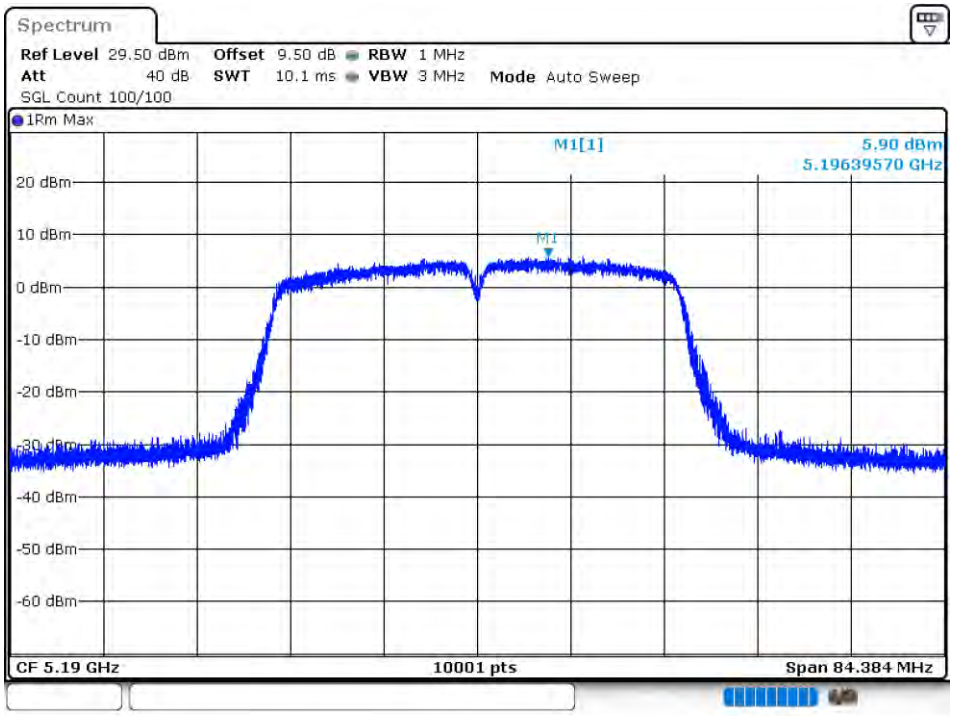
PSD NVNT 802.11n(HT20) 5240MHz Ant1



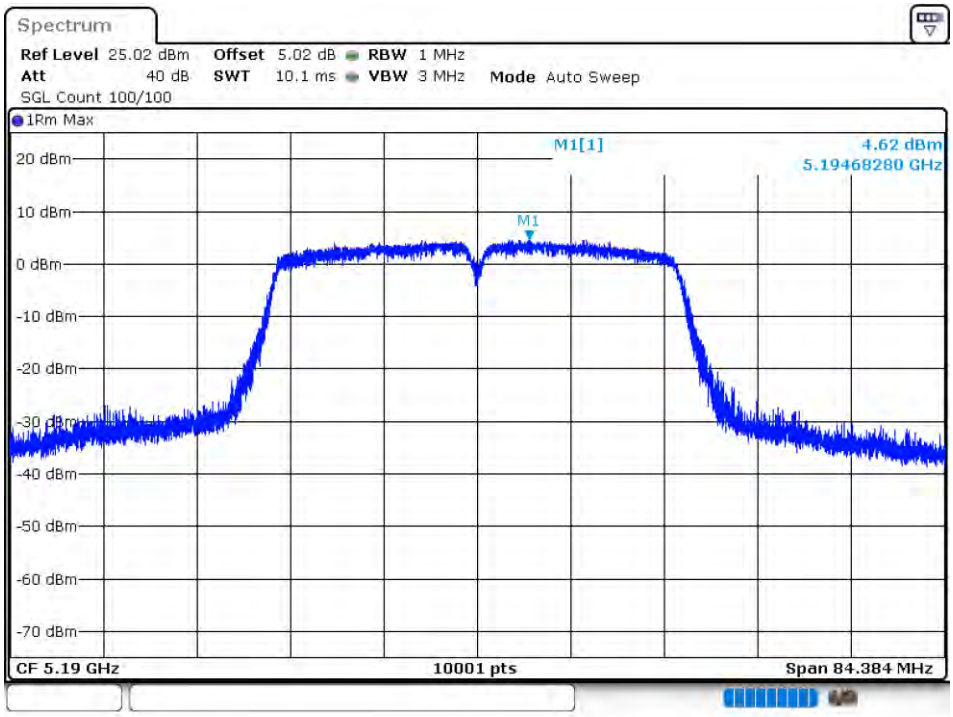
PSD NVNT 802.11n(HT20) 5240MHz Ant2



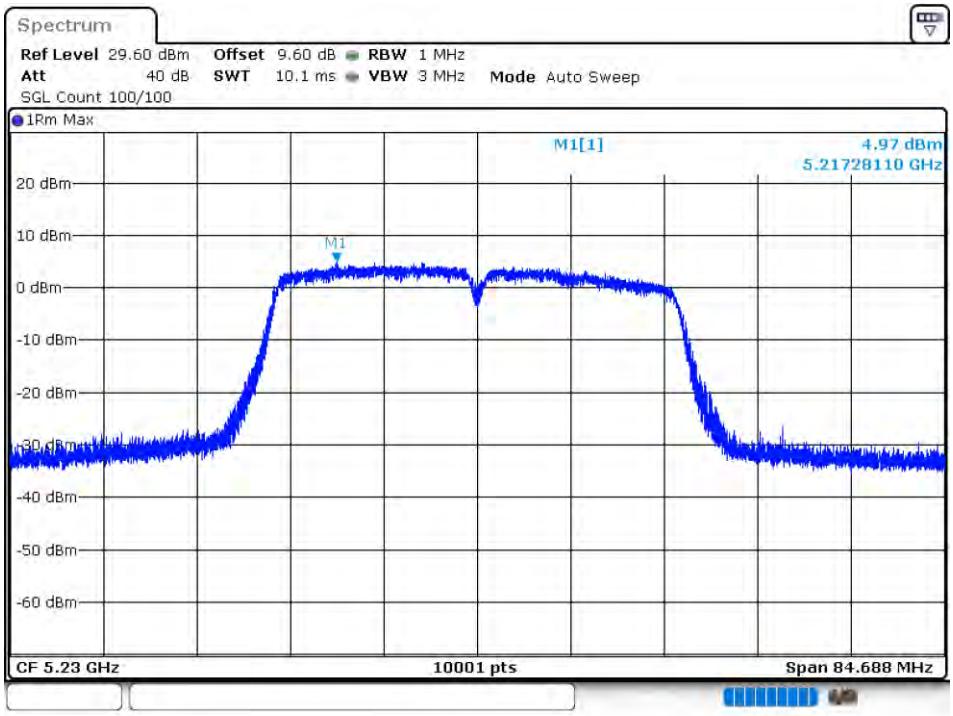
PSD NVNT 802.11n(HT40) 5190MHz Ant1



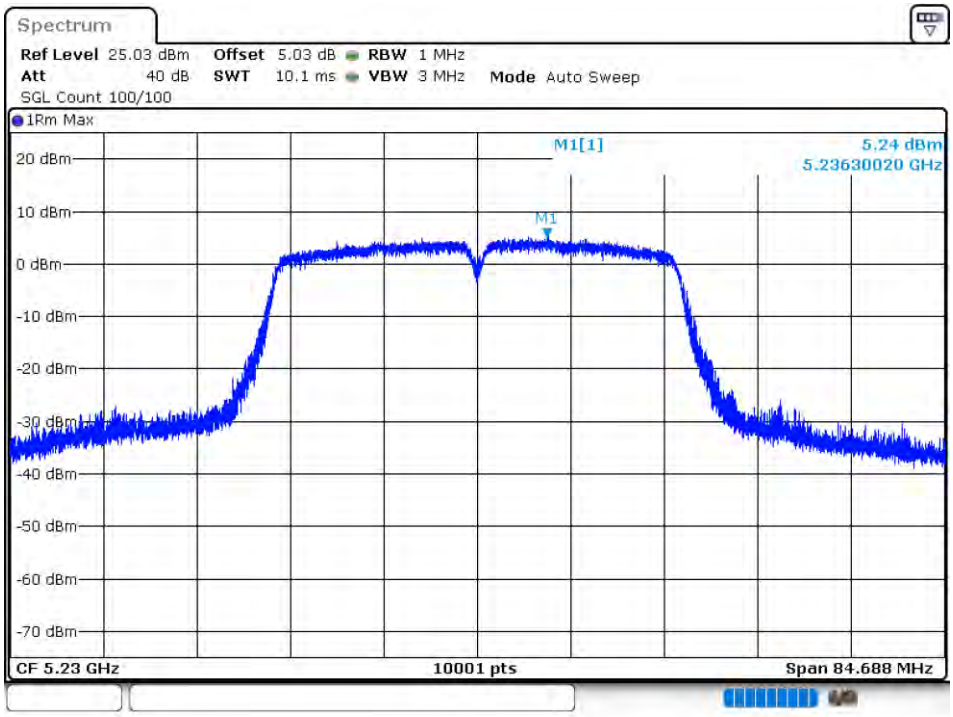
PSD NVNT 802.11n(HT40) 5190MHz Ant2



PSD NVNT 802.11n(HT40) 5230MHz Ant1



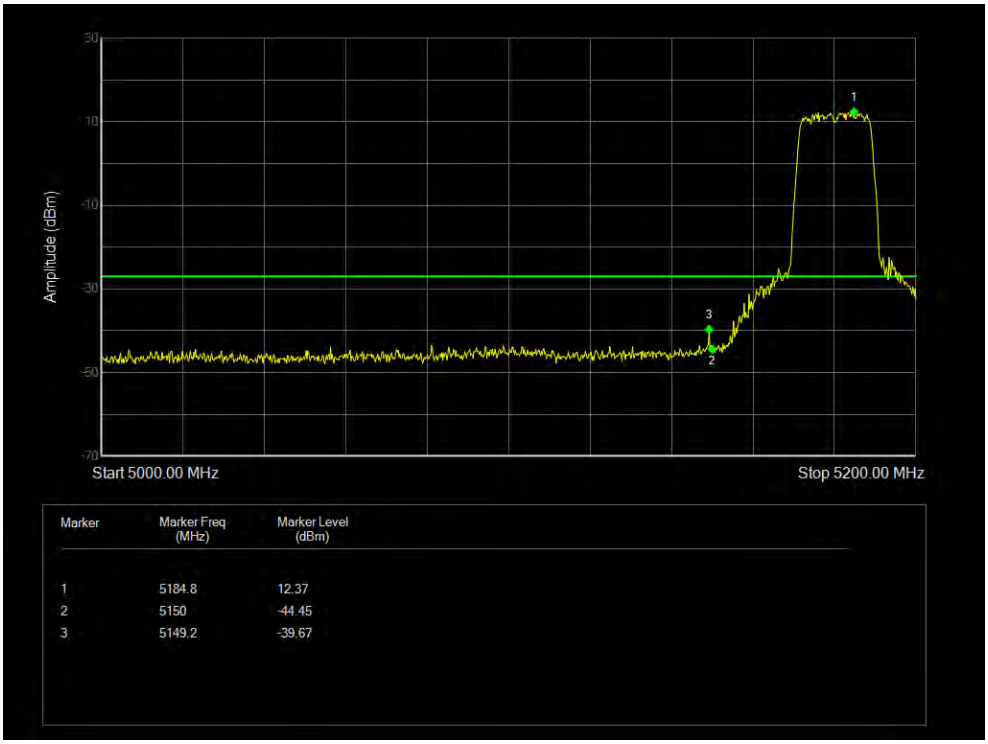
PSD NVNT 802.11n(HT40) 5230MHz Ant2



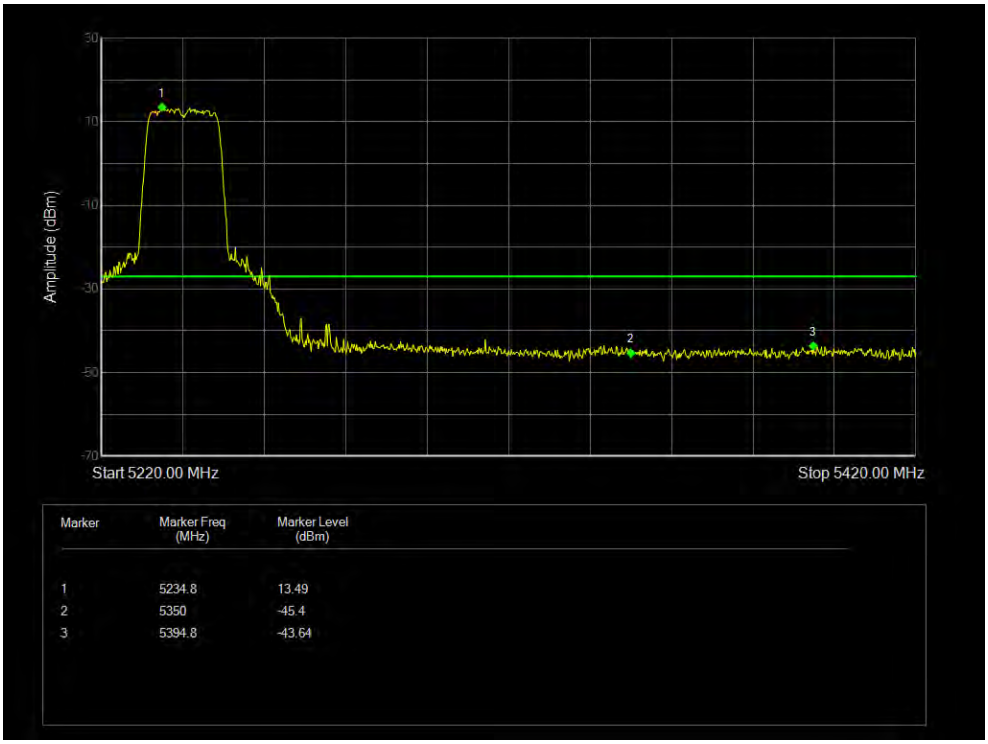
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	802.11ac20	5180	Sum	-39.67	-27	Pass
NVNT	802.11ac20	5240	Sum	-43.64	-27	Pass
NVNT	802.11ac40	5190	Sum	-31.17	-27	Pass
NVNT	802.11ac40	5230	Sum	-43.06	-27	Pass
NVNT	802.11ac80	5210	Sum	-43.6	-27	Pass
NVNT	802.11ac80	5210	Sum	-27.81	-27	Pass
NVNT	802.11n(HT20)	5180	Sum	-41.83	-27	Pass
NVNT	802.11n(HT20)	5240	Sum	-42.92	-27	Pass
NVNT	802.11n(HT40)	5190	Sum	-29.52	-27	Pass
NVNT	802.11n(HT40)	5230	Sum	-43.09	-27	Pass

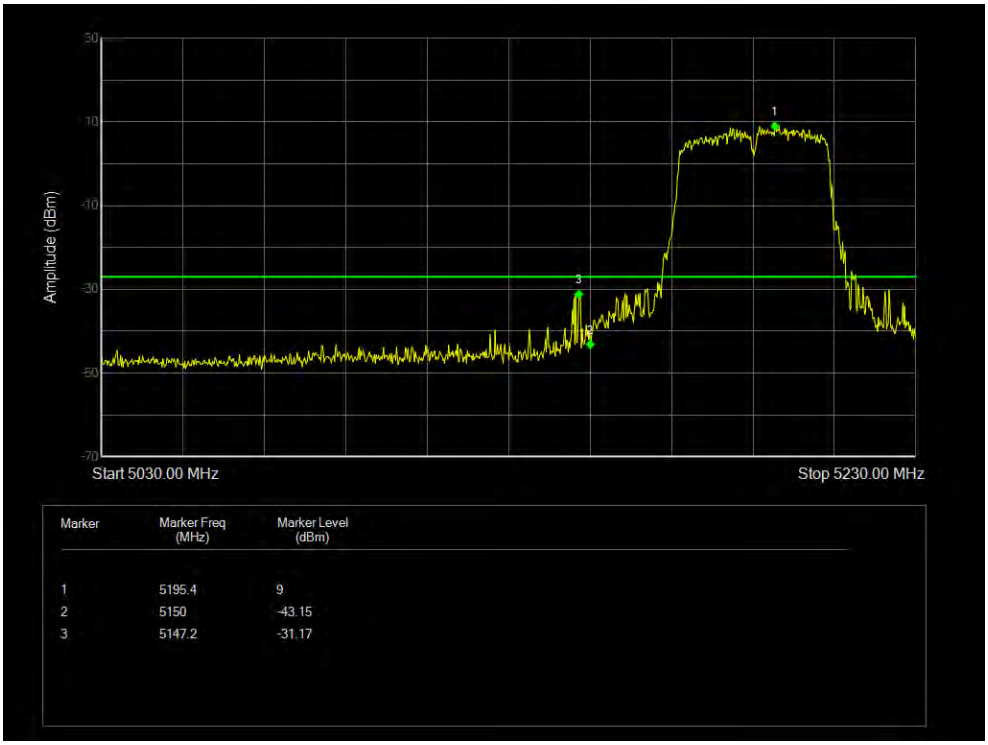
Band Edge NVNT 802.11ac20 5180MHz Low Sum



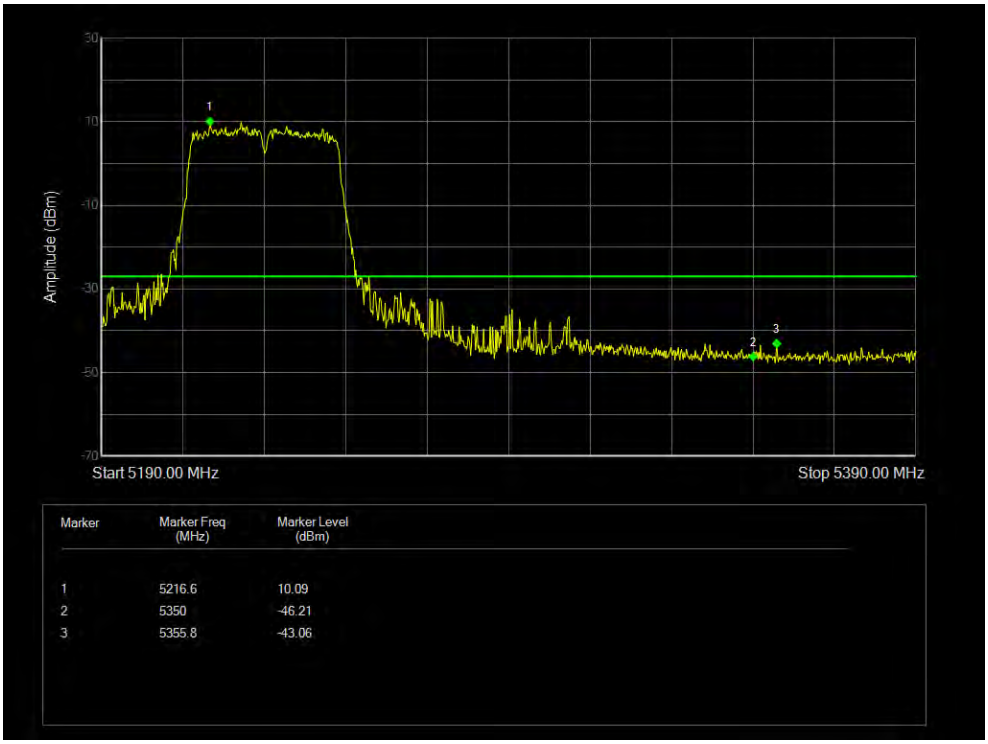
Band Edge NVNT 802.11ac20 5240MHz High Sum



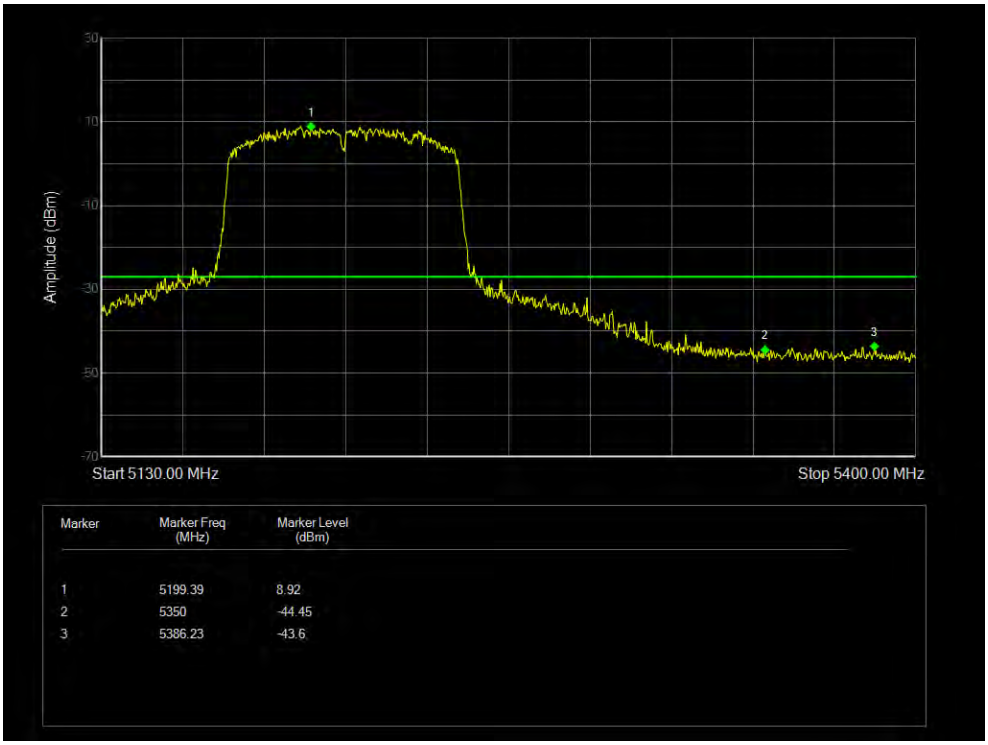
Band Edge NVNT 802.11ac40 5190MHz Low Sum



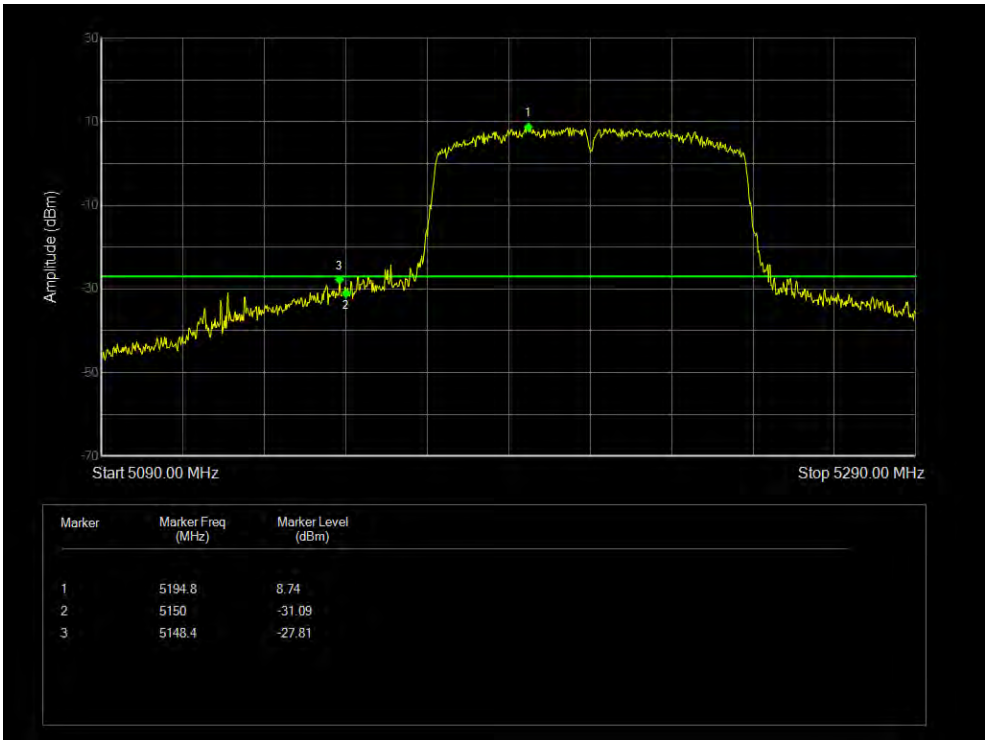
Band Edge NVNT 802.11ac40 5230MHz High Sum



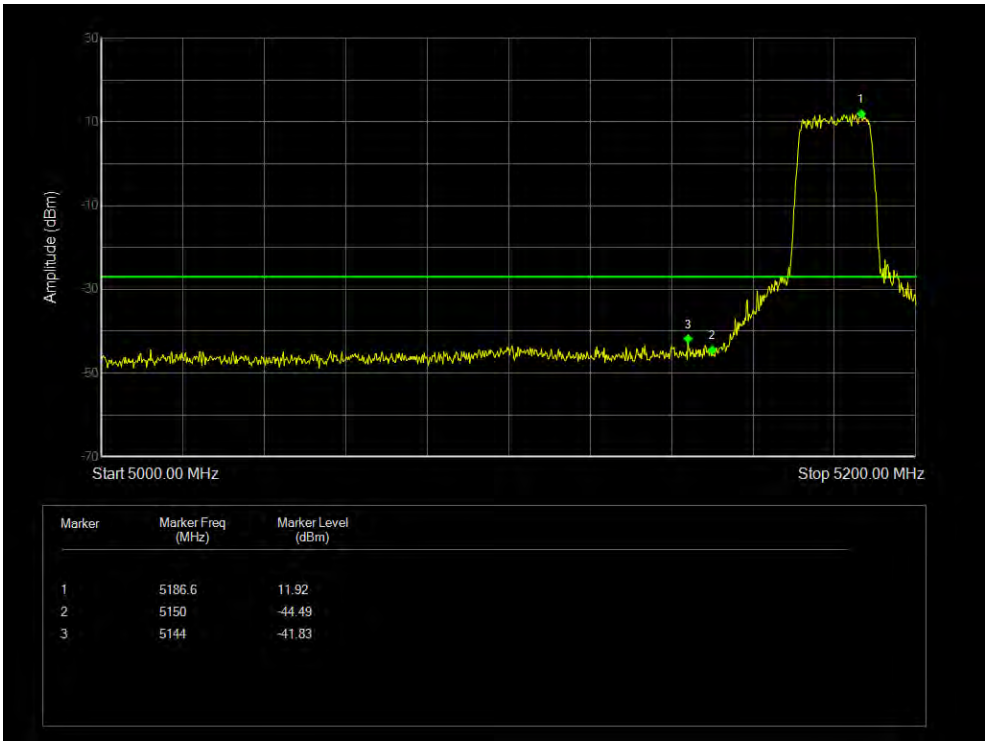
Band Edge NVNT 802.11ac80 5210MHz High Sum



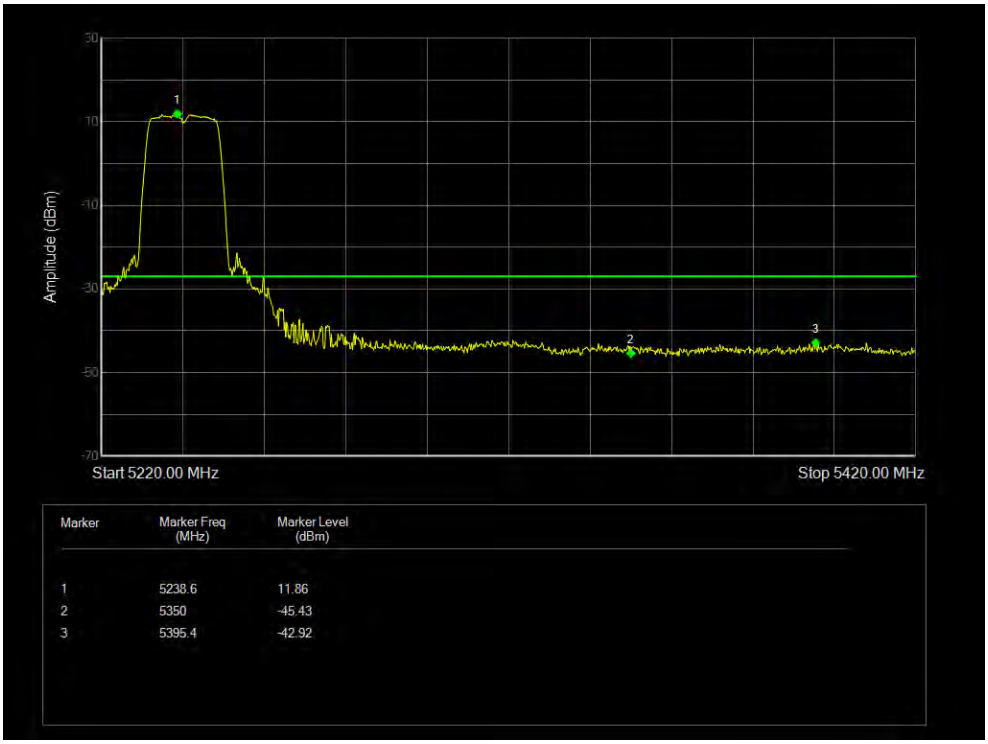
Band Edge NVNT 802.11ac80 5210MHz Low Sum



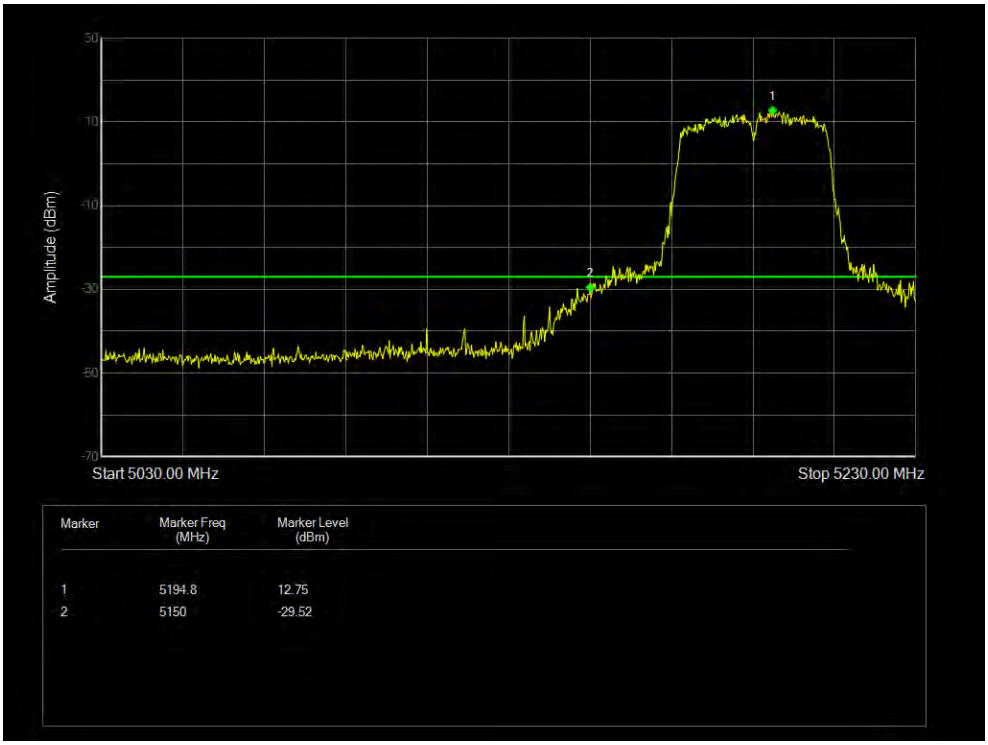
Band Edge NVNT 802.11n(HT20) 5180MHz Low Sum



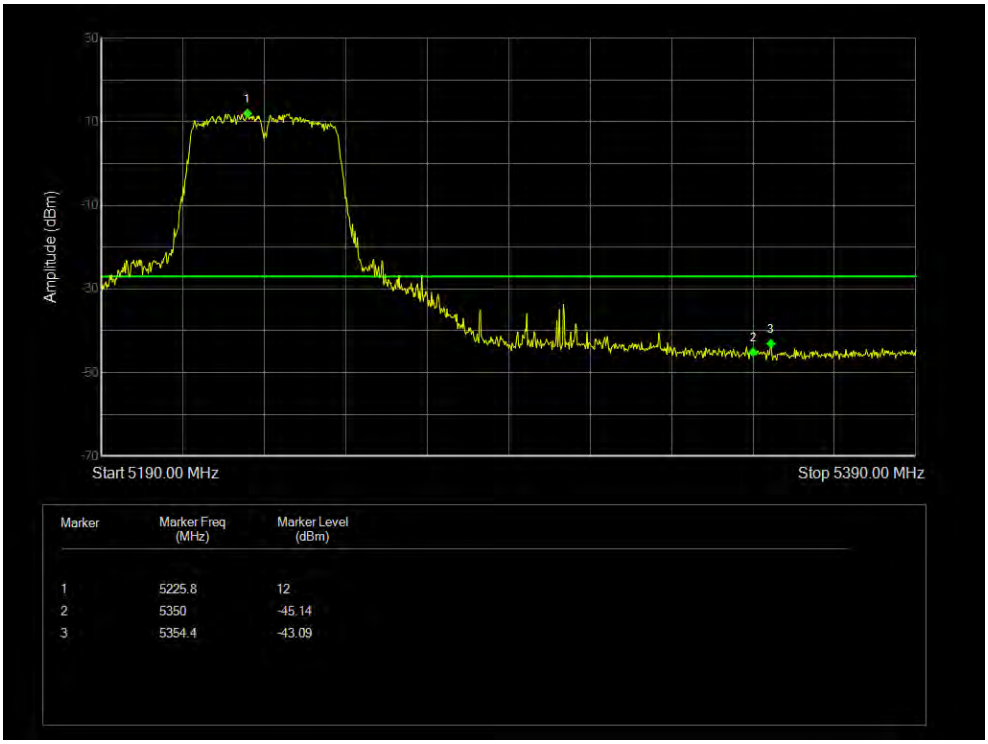
Band Edge NVNT 802.11n(HT20) 5240MHz High Sum



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



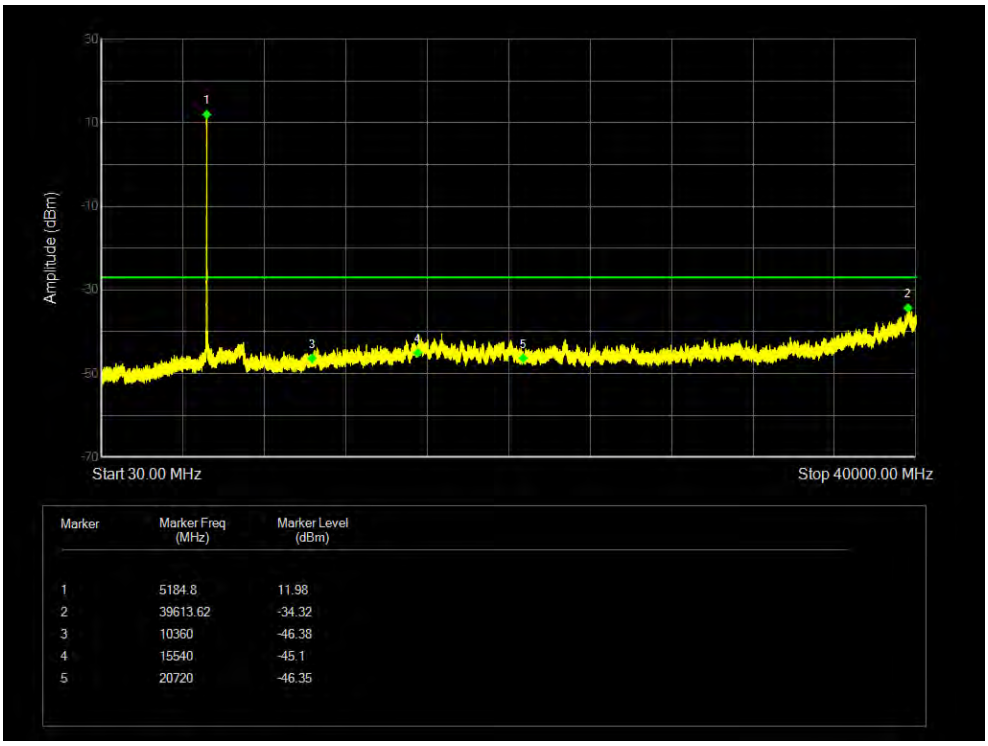
Band Edge NVNT 802.11n(HT40) 5230MHz High Sum



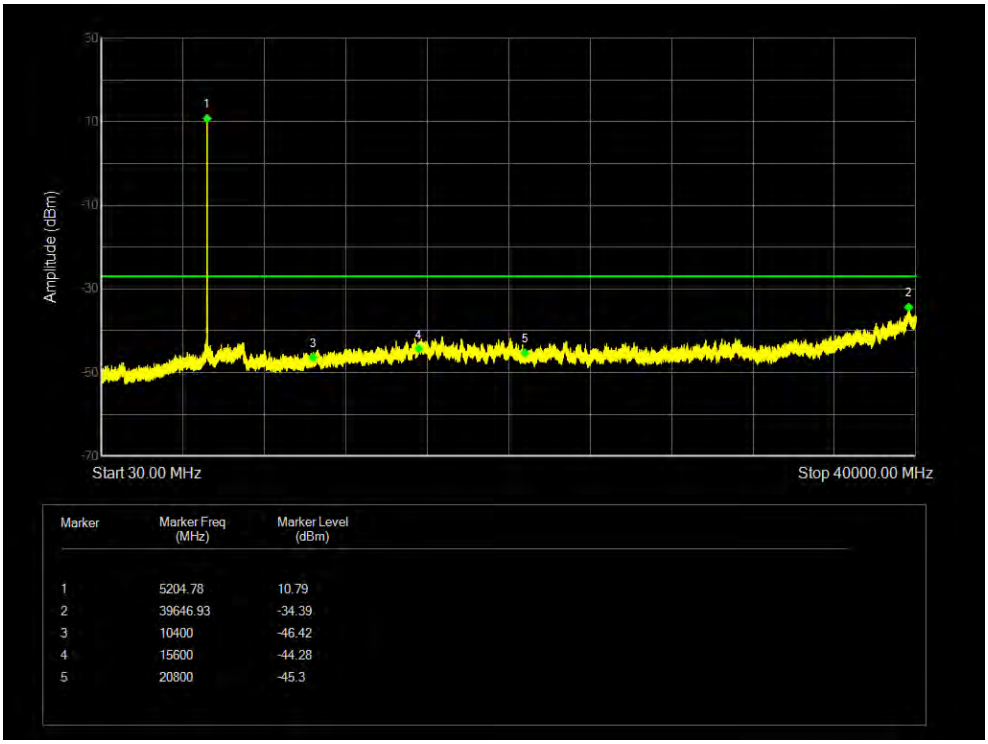
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	802.11ac20	5180	Sum	-34.32	-27	Pass
NVNT	802.11ac20	5200	Sum	-34.39	-27	Pass
NVNT	802.11ac20	5240	Sum	-34.32	-27	Pass
NVNT	802.11ac40	5190	Sum	-34.62	-27	Pass
NVNT	802.11ac40	5230	Sum	-34.85	-27	Pass
NVNT	802.11ac80	5210	Sum	-34.8	-27	Pass
NVNT	802.11n(HT20)	5180	Sum	-35.11	-27	Pass
NVNT	802.11n(HT20)	5200	Sum	-35.06	-27	Pass
NVNT	802.11n(HT20)	5240	Sum	-33.83	-27	Pass
NVNT	802.11n(HT40)	5190	Sum	-35.29	-27	Pass
NVNT	802.11n(HT40)	5230	Sum	-34.68	-27	Pass

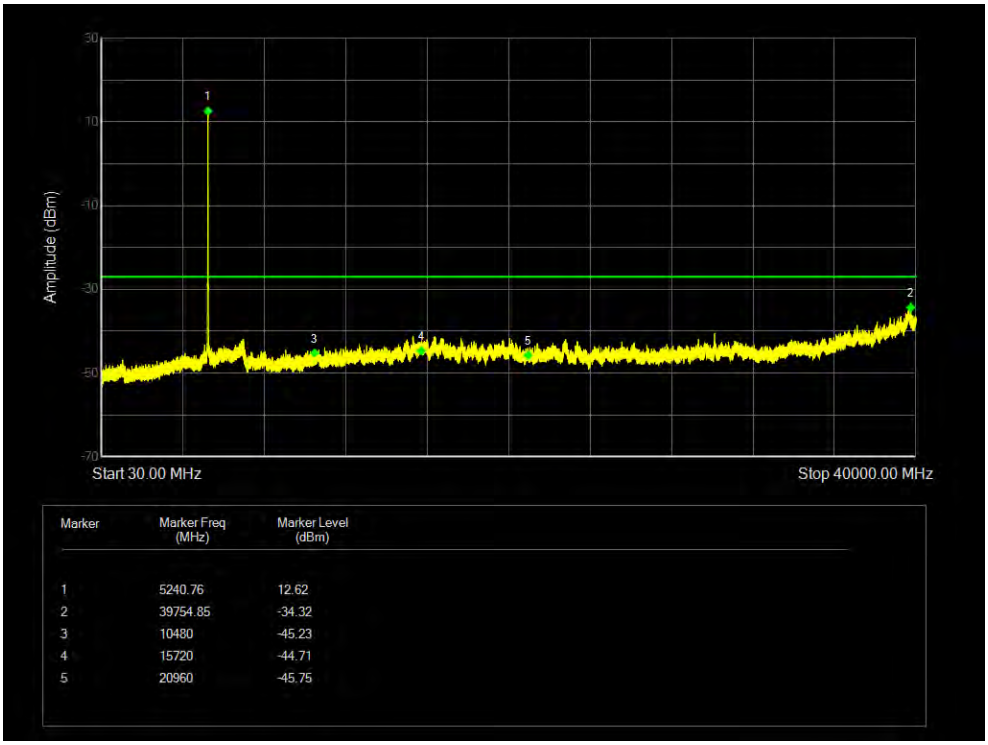
Tx. Spurious NVNT 802.11ac20 5180MHz Sum Emission



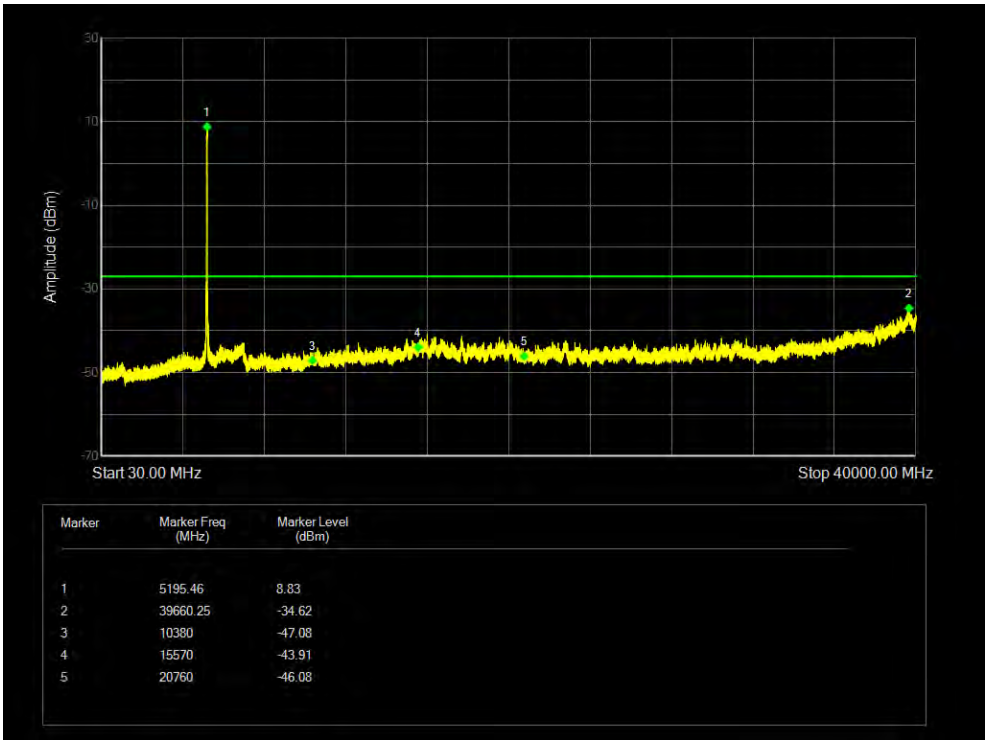
Tx. Spurious NVNT 802.11ac20 5200MHz Sum Emission



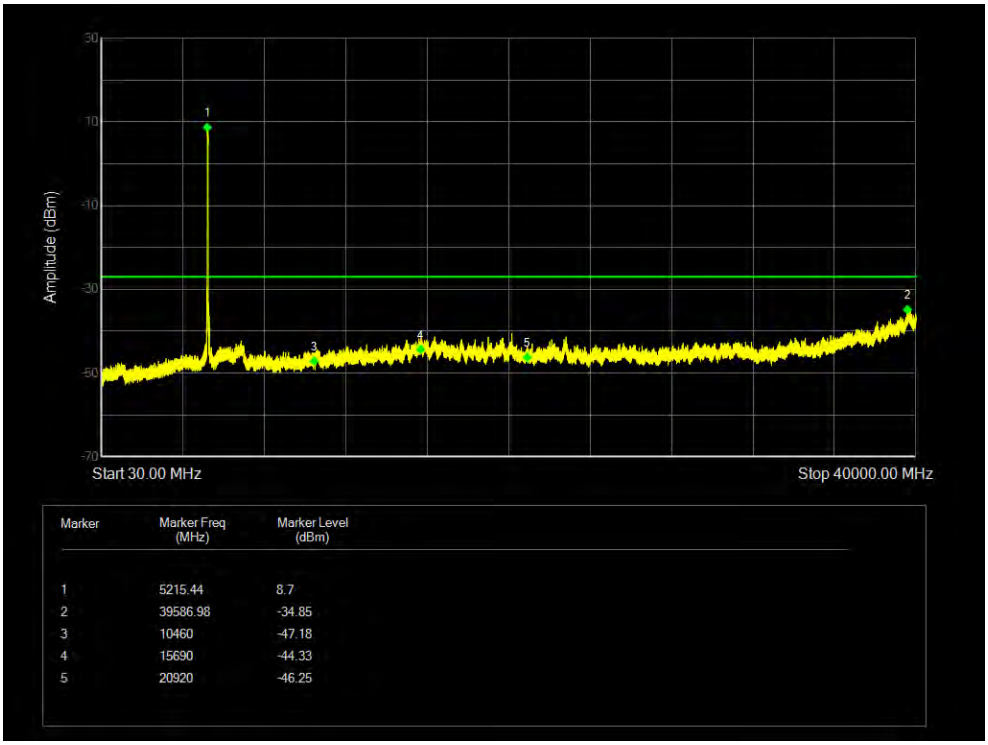
Tx. Spurious NVNT 802.11ac20 5240MHz Sum Emission



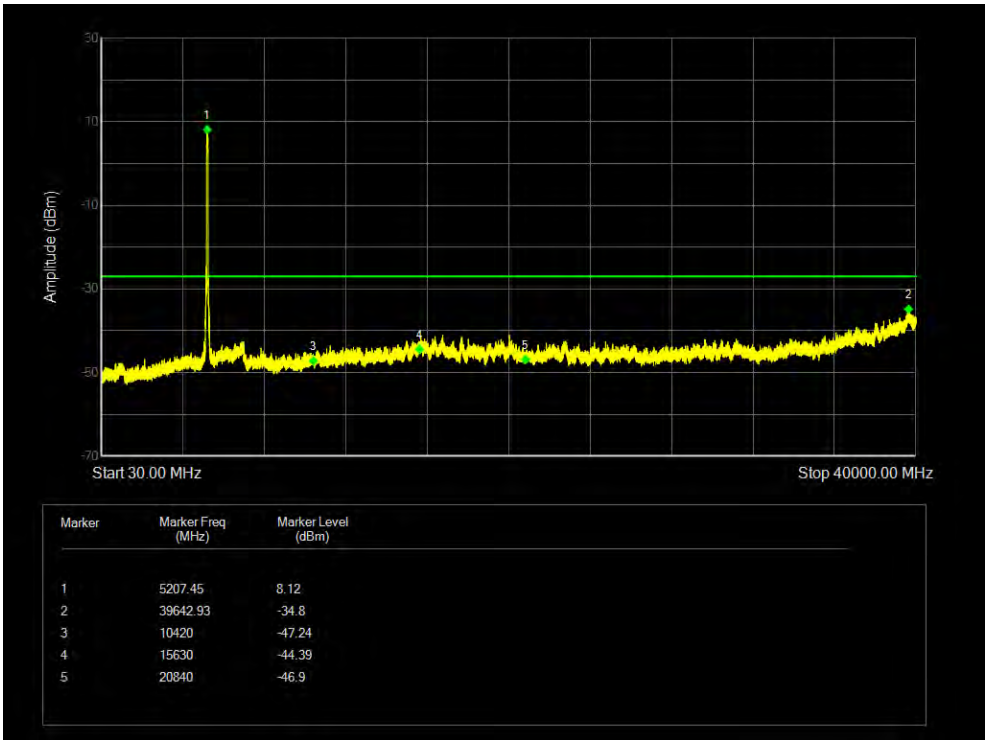
Tx. Spurious NVNT 802.11ac40 5190MHz Sum Emission



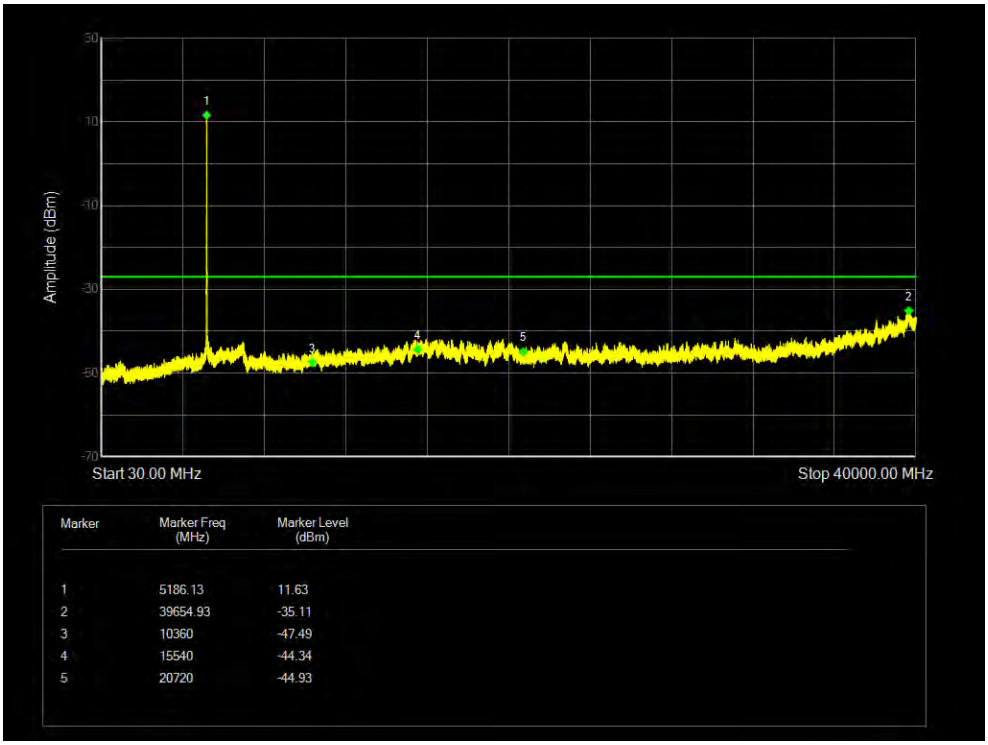
Tx. Spurious NVNT 802.11ac40 5230MHz Sum Emission



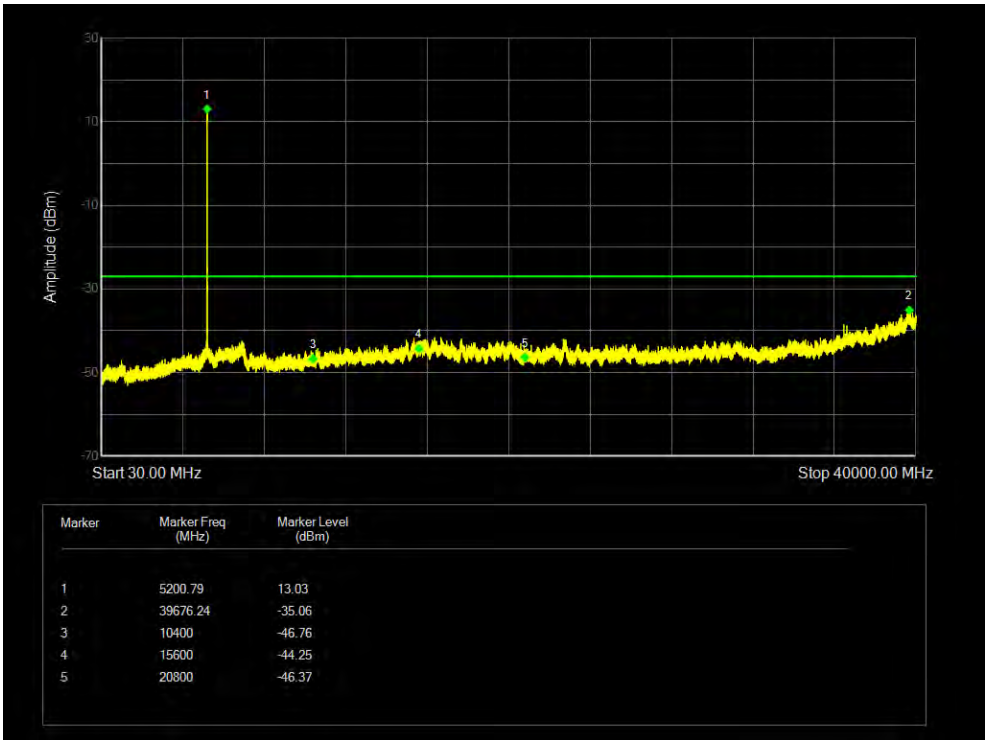
Tx. Spurious NVNT 802.11ac80 5210MHz Sum Emission



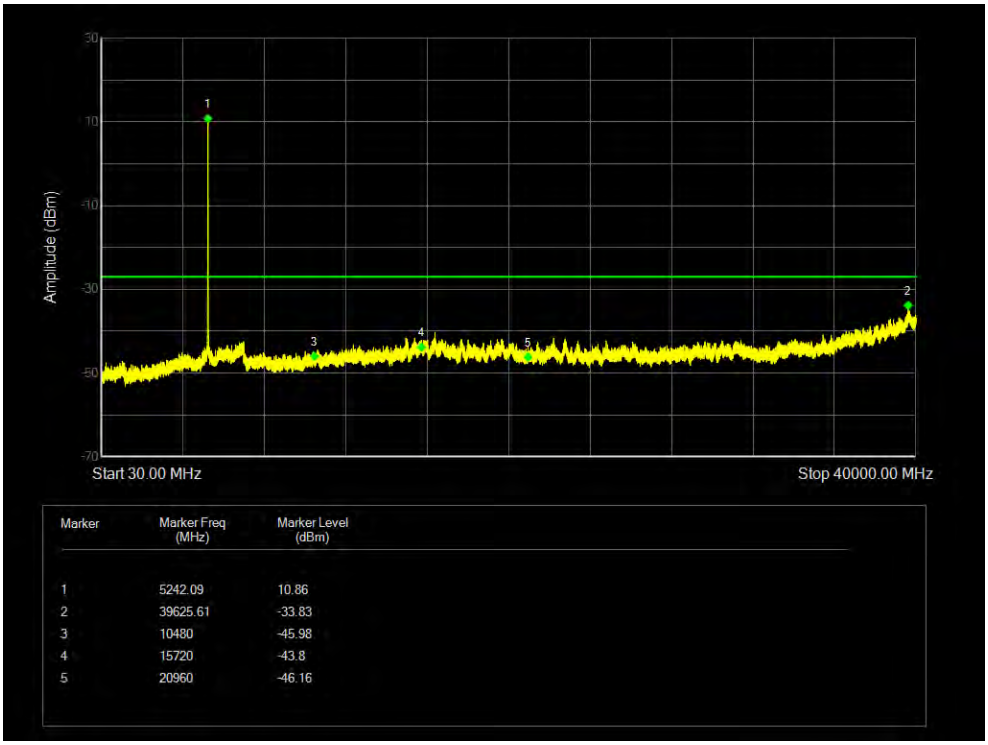
Tx. Spurious NVNT 802.11n(HT20) 5180MHz Sum Emission



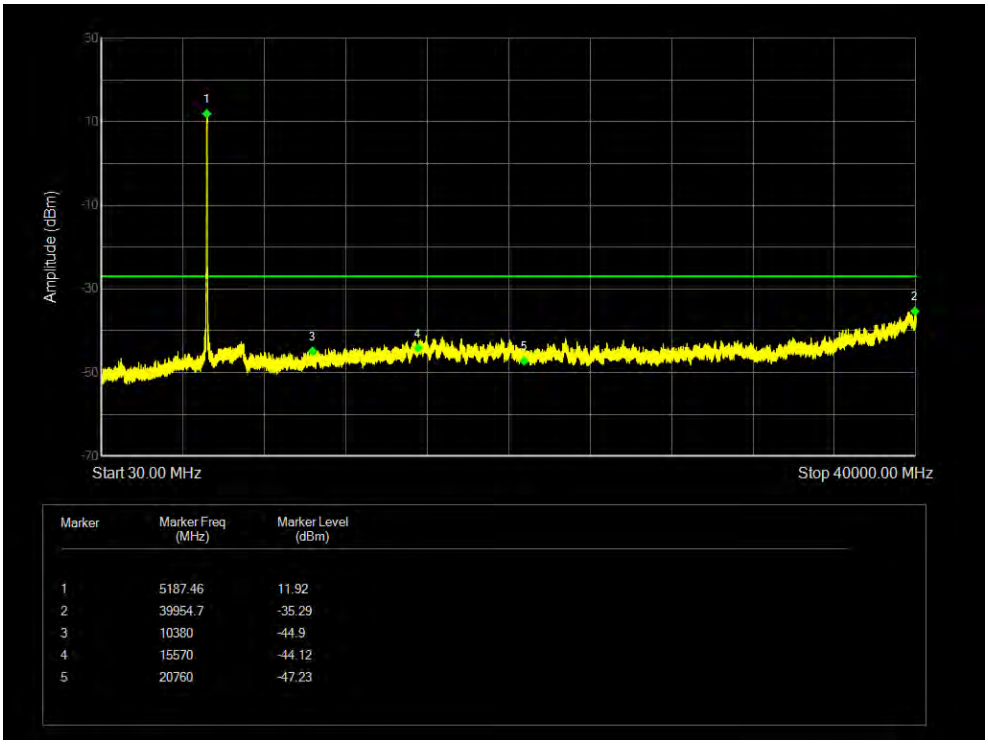
Tx. Spurious NVNT 802.11n(HT20) 5200MHz Sum Emission



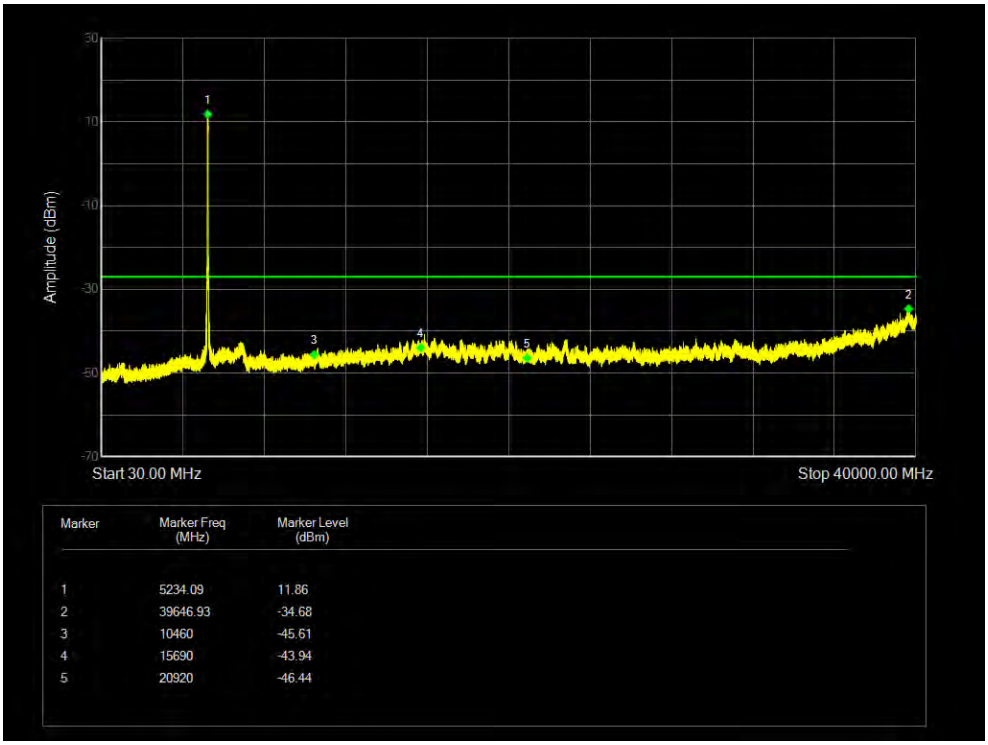
Tx. Spurious NVNT 802.11n(HT20) 5240MHz Sum Emission



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



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

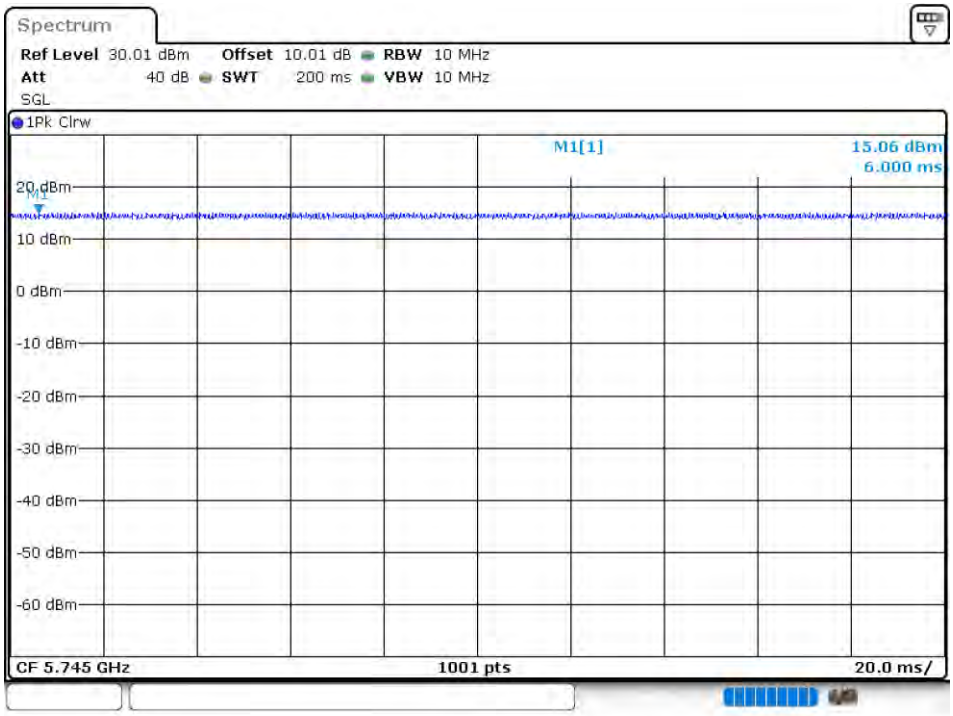


5.8G

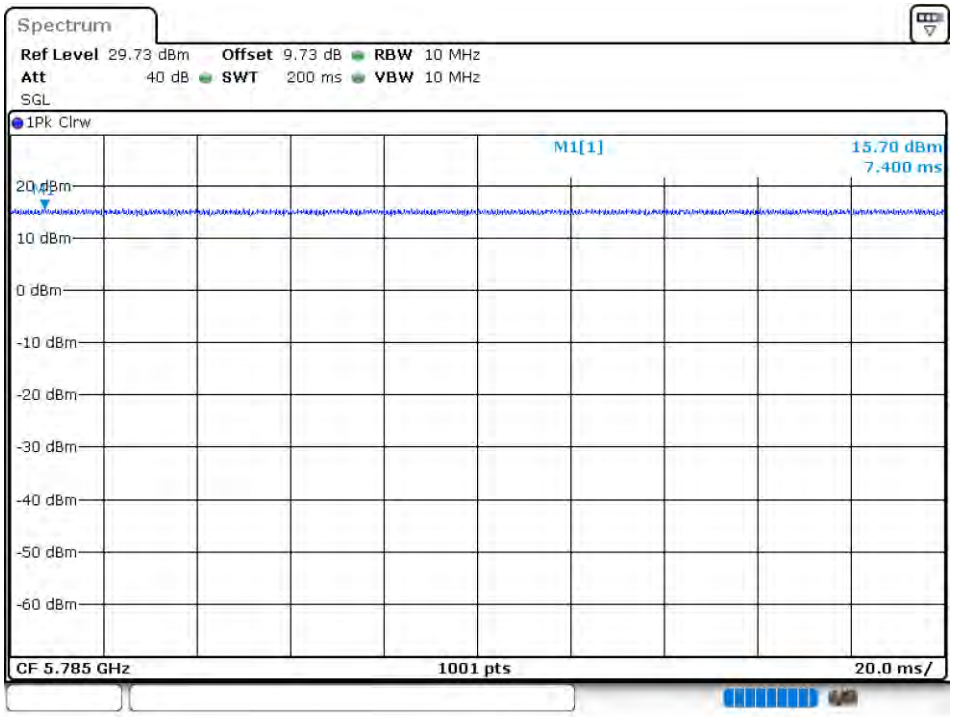
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	a	5745	Ant1	100	0
NVNT	a	5785	Ant1	100	0
NVNT	a	5825	Ant1	100	0
NVNT	a	5745	Ant2	100	0
NVNT	a	5785	Ant2	100	0
NVNT	a	5825	Ant2	100	0
NVNT	ac20	5745	Ant1	100	0
NVNT	ac20	5785	Ant1	100	0
NVNT	ac20	5825	Ant1	100	0
NVNT	ac20	5745	Ant2	100	0
NVNT	ac20	5785	Ant2	100	0
NVNT	ac20	5825	Ant2	100	0
NVNT	ac40	5755	Ant1	100	0
NVNT	ac40	5795	Ant1	100	0
NVNT	ac40	5755	Ant2	100	0
NVNT	ac40	5795	Ant2	100	0
NVNT	ac80	5775	Ant1	48.74	3.12
NVNT	ac80	5775	Ant2	48.73	3.12
NVNT	n20	5745	Ant1	100	0
NVNT	n20	5785	Ant1	100	0
NVNT	n20	5825	Ant1	100	0
NVNT	n20	5745	Ant2	100	0
NVNT	n20	5785	Ant2	100	0
NVNT	n20	5825	Ant2	100	0
NVNT	n40	5755	Ant1	100	0
NVNT	n40	5795	Ant1	100	0
NVNT	n40	5755	Ant2	100	0
NVNT	n40	5795	Ant2	100	0

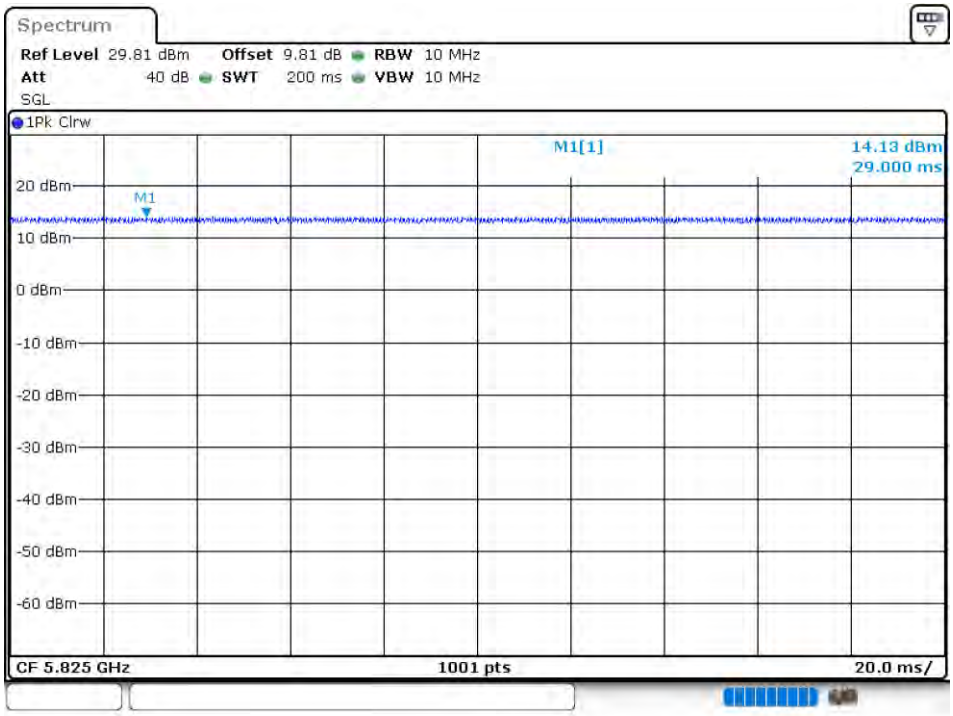
Duty Cycle NVNT 802.11a 5745MHz Ant 1



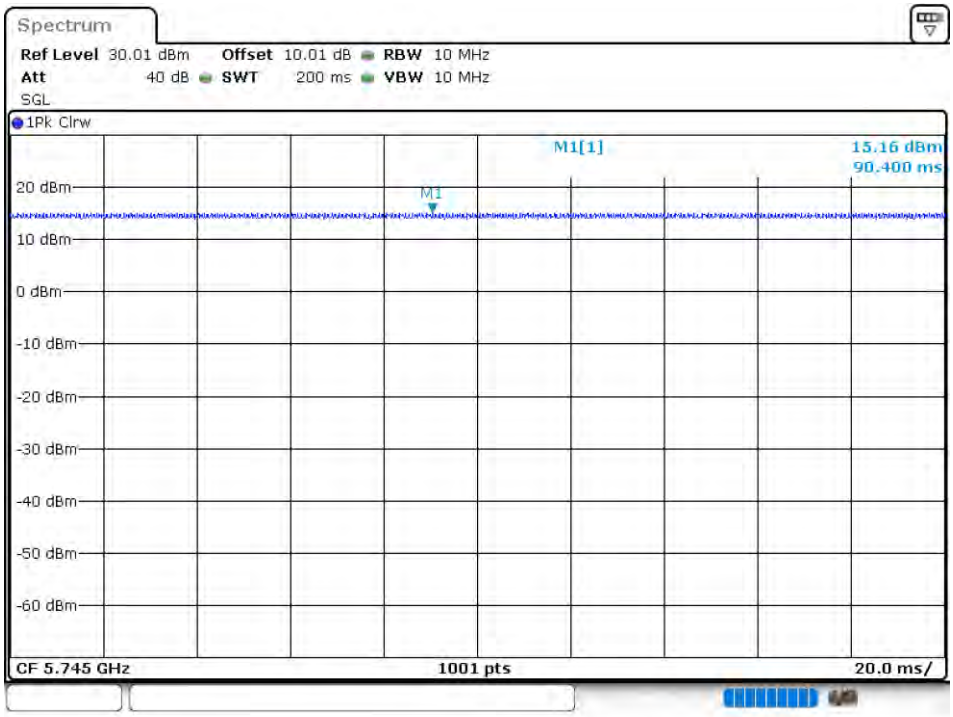
Duty Cycle NVNT 802.11a 5785MHz Ant 1



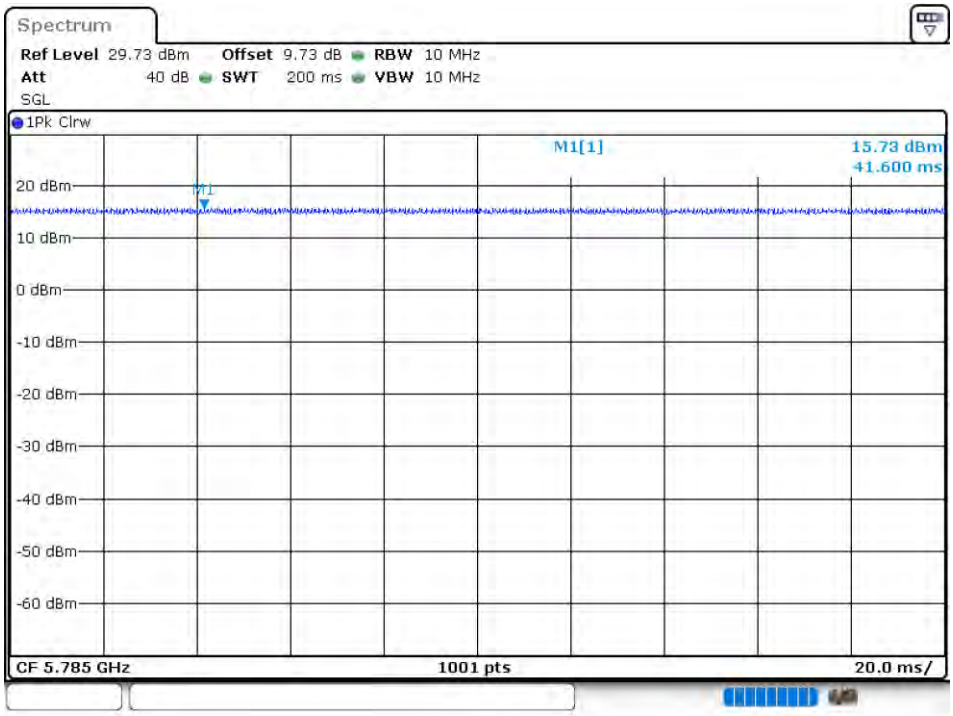
Duty Cycle NVNT 802.11a 5825MHz Ant 1



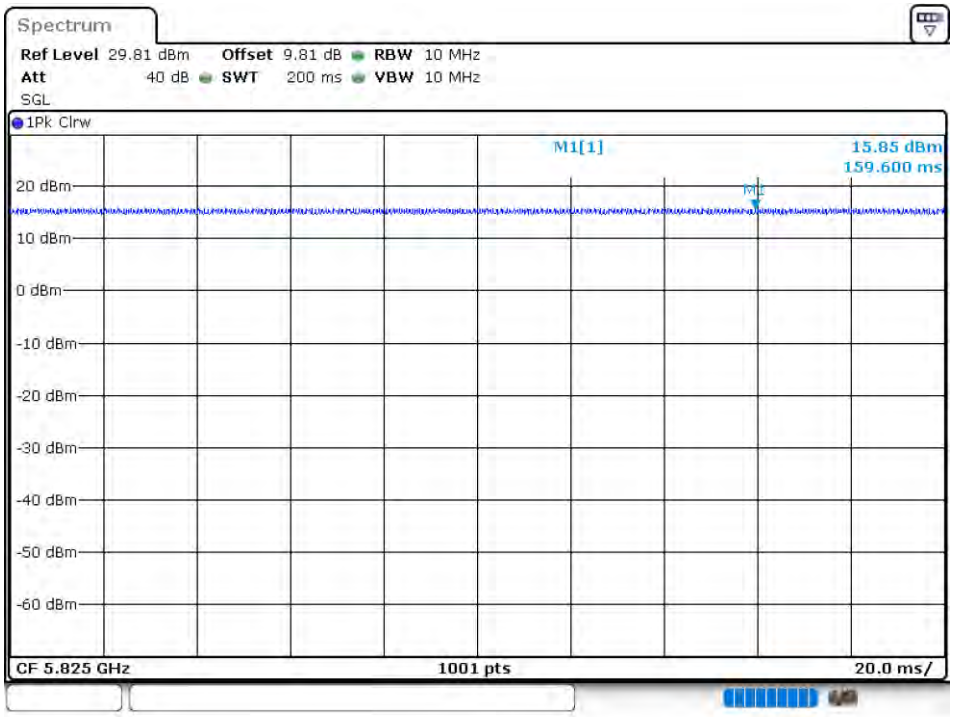
Duty Cycle NVNT 802.11a 5745MHz Ant 2



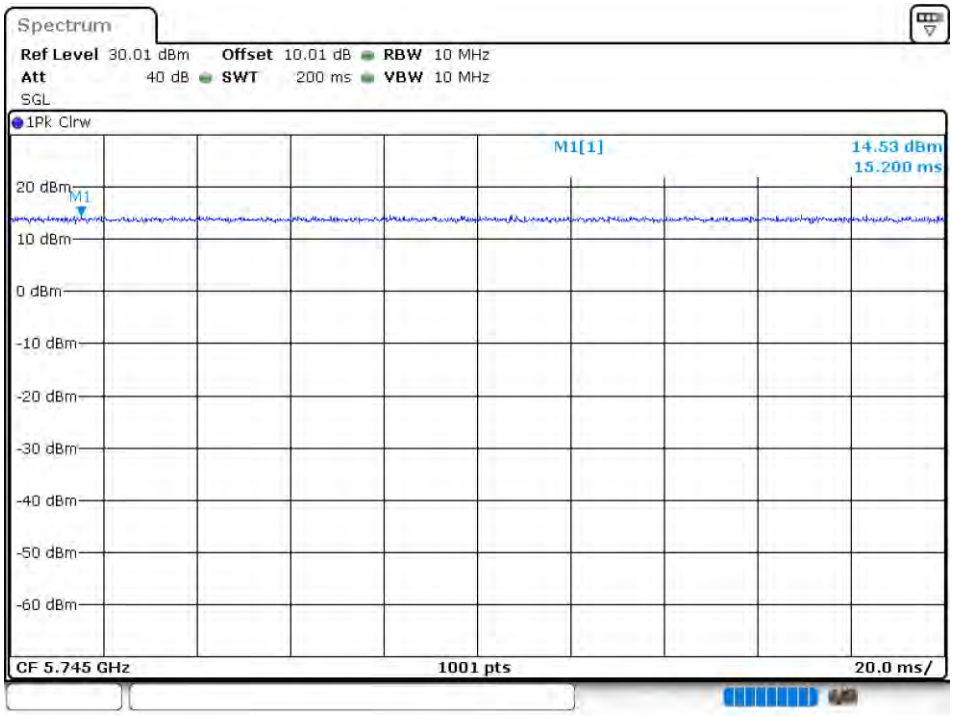
Duty Cycle NVNT 802.11a 5785MHz Ant 2



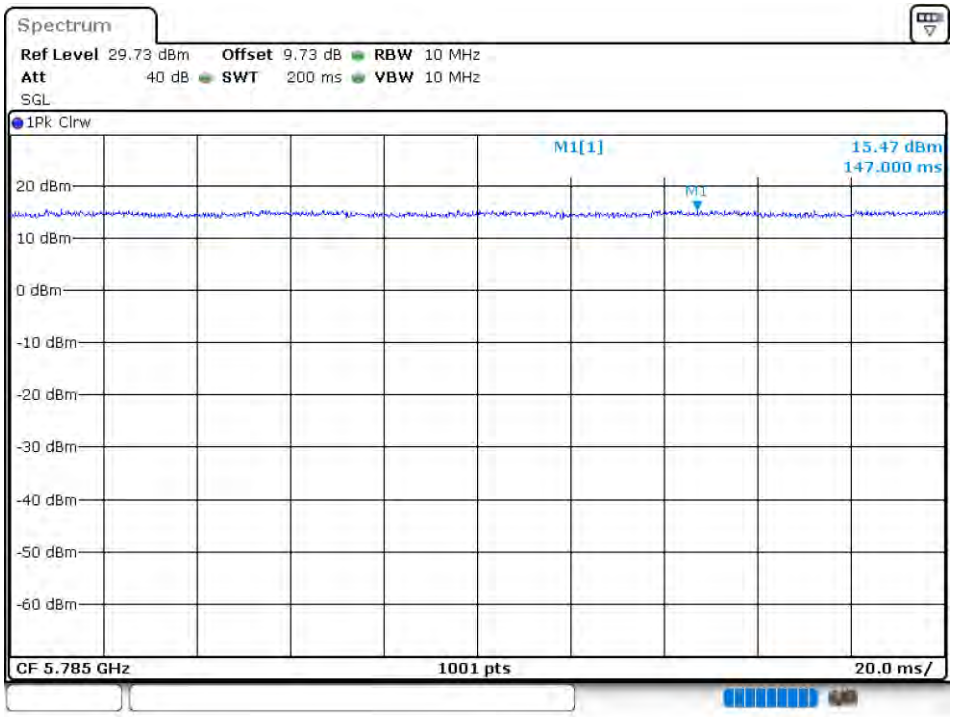
Duty Cycle NVNT 802.11a 5825MHz Ant 2



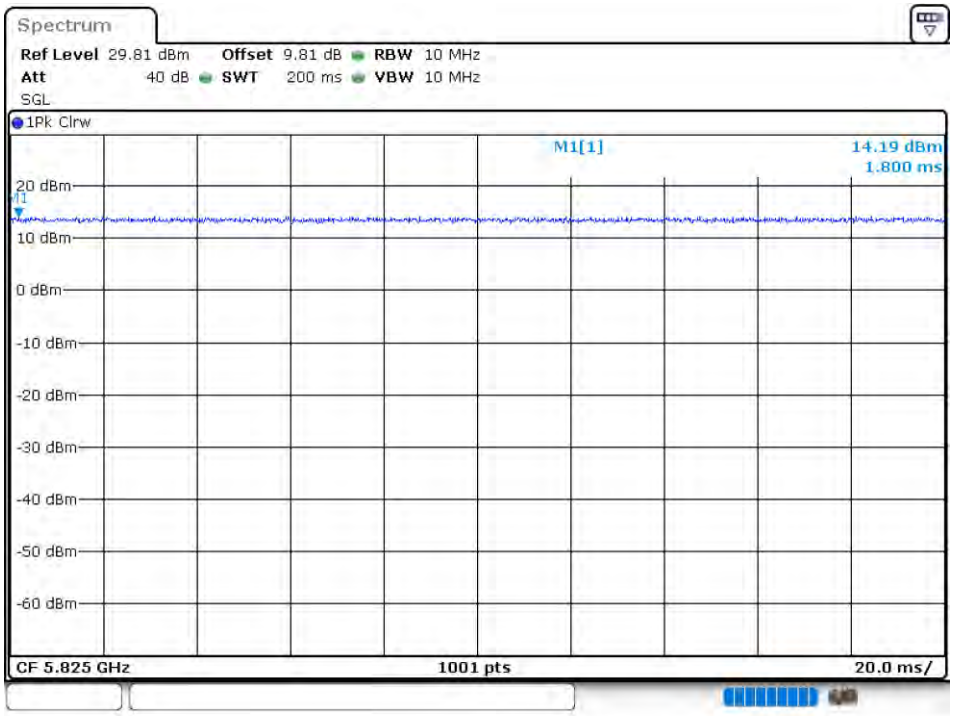
Duty Cycle NVNT 802.11ac20 5745MHz Ant 1



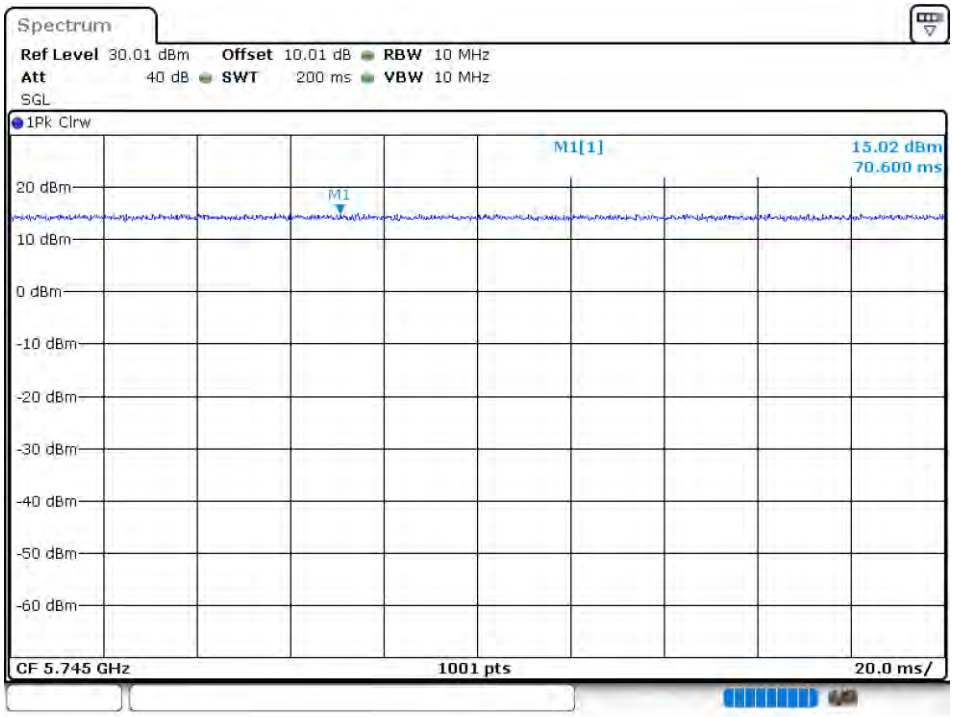
Duty Cycle NVNT 802.11ac20 5785MHz Ant 1



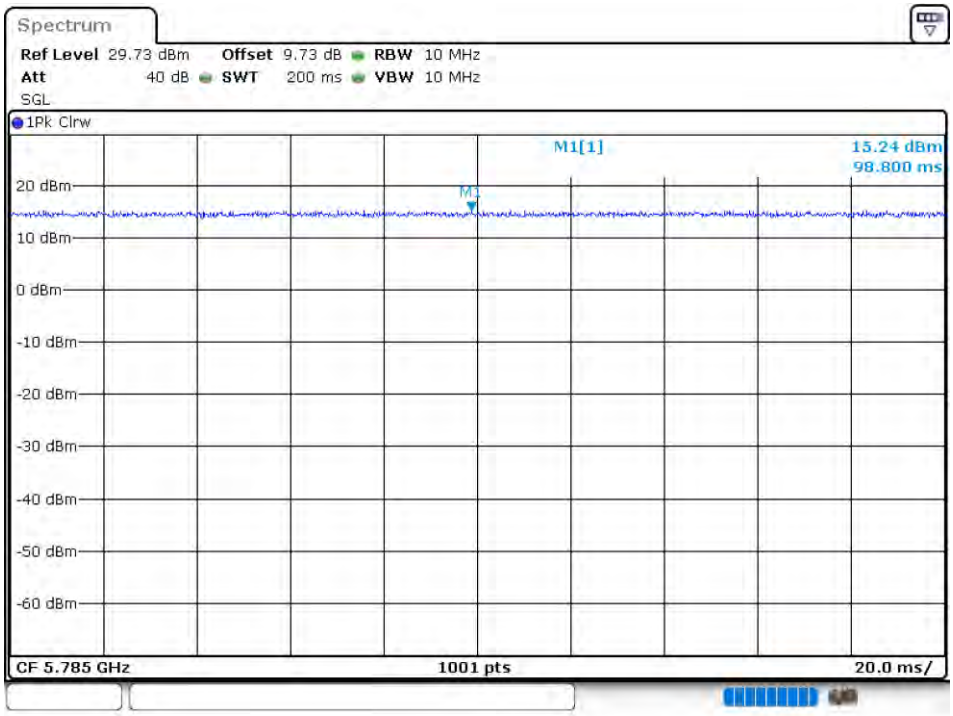
Duty Cycle NVNT 802.11ac20 5825MHz Ant 1



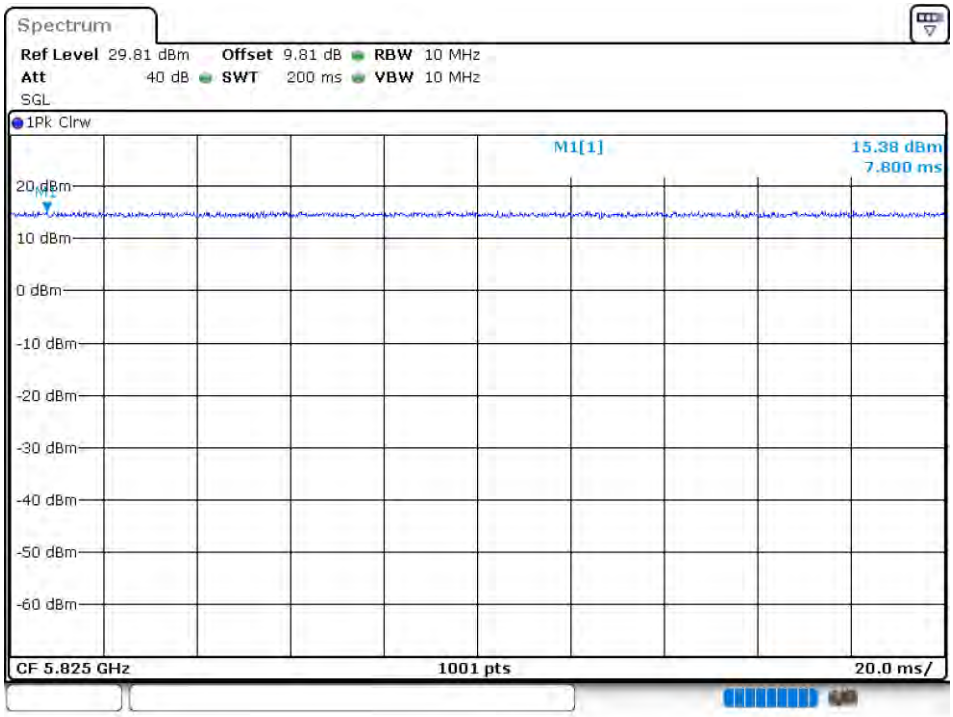
Duty Cycle NVNT 802.11ac20 5745MHz Ant 2



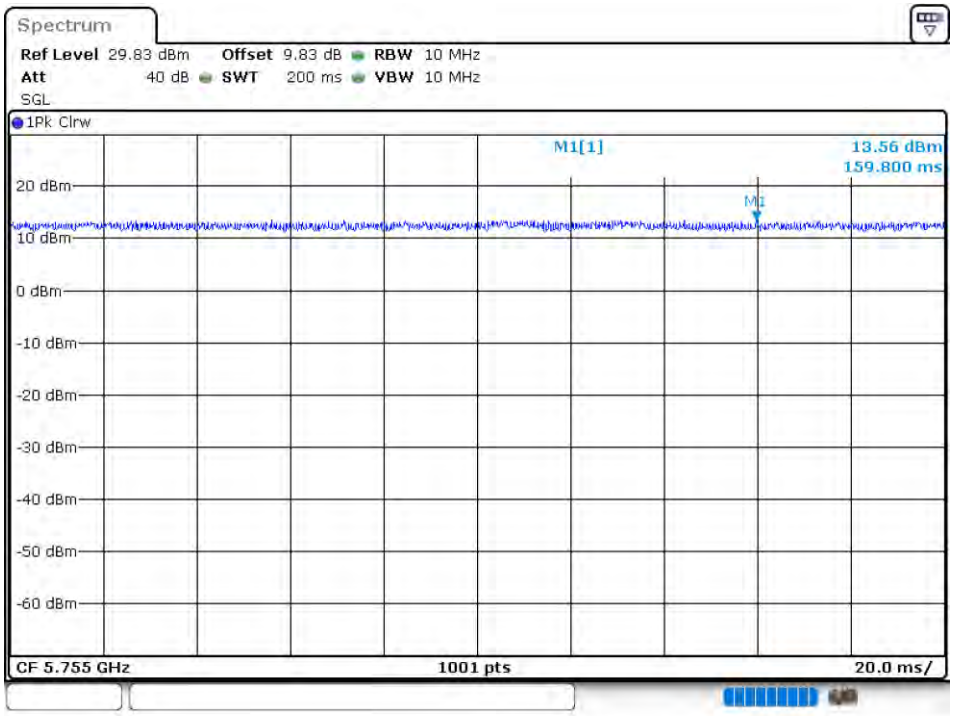
Duty Cycle NVNT 802.11ac20 5785MHz Ant 2



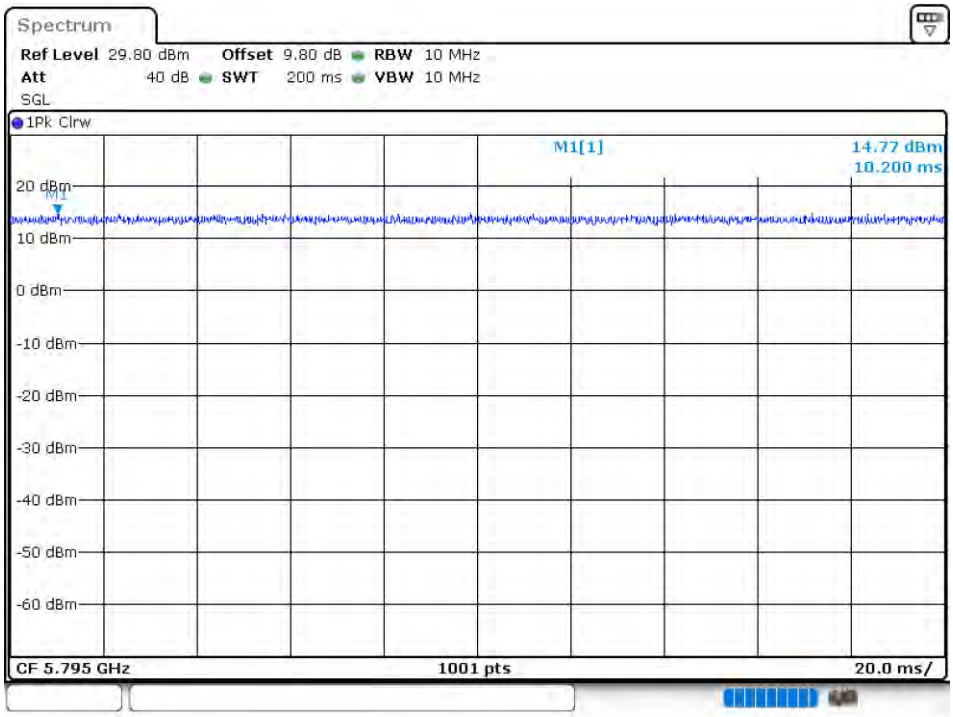
Duty Cycle NVNT 802.11ac20 5825MHz Ant 2



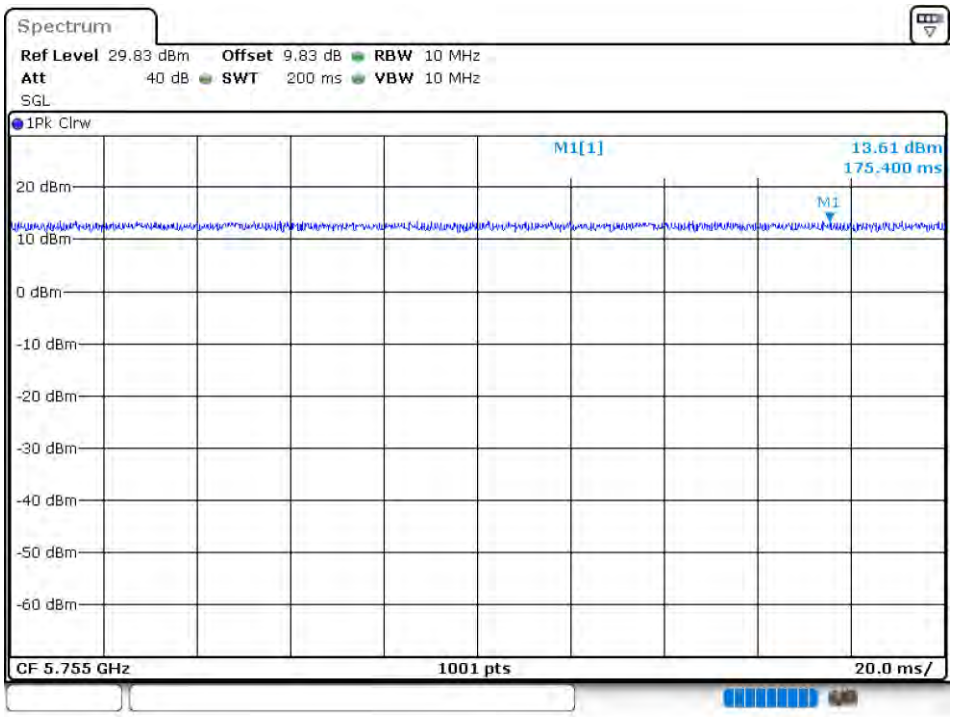
Duty Cycle NVNT 802.11ac40 5755MHz Ant 1



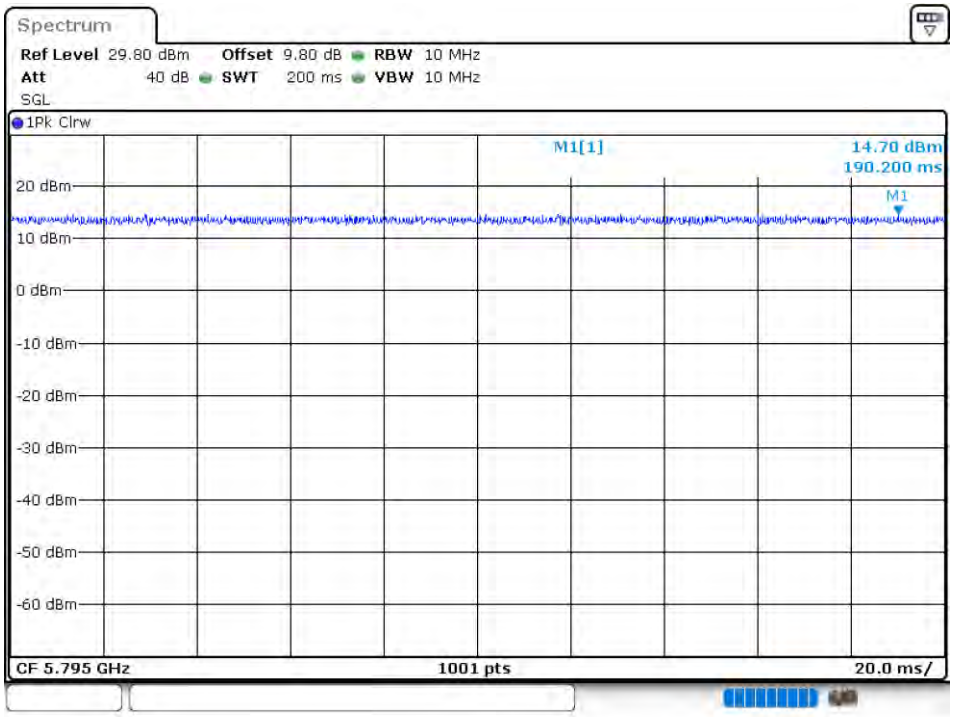
Duty Cycle NVNT 802.11ac40 5795MHz Ant 1



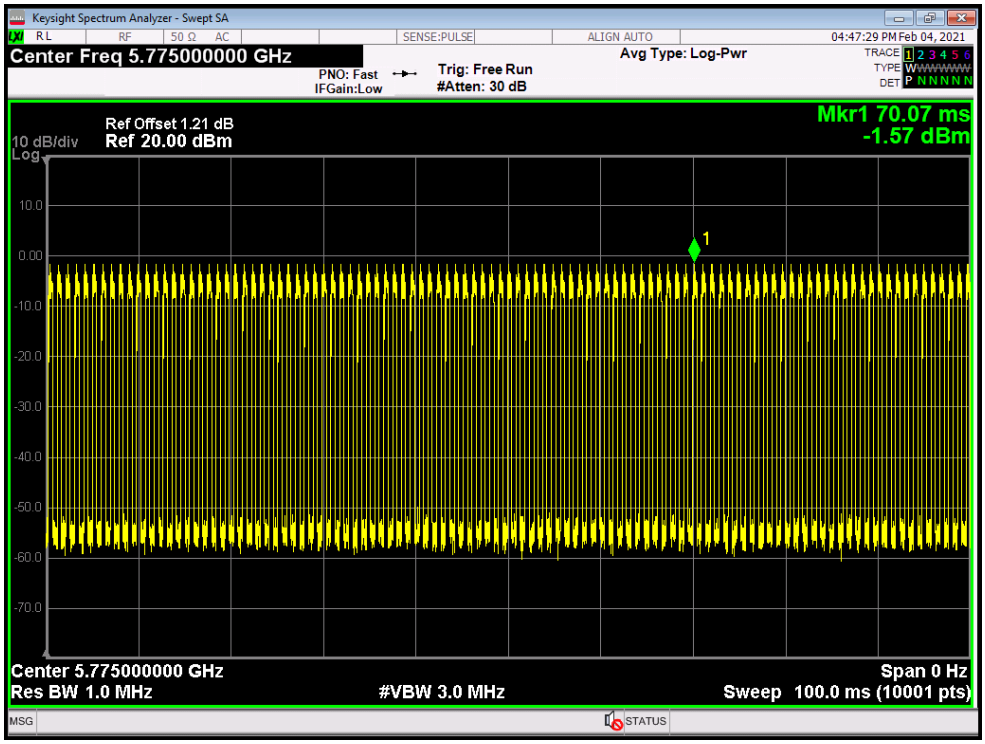
Duty Cycle NVNT 802.11ac40 5755MHz Ant 2



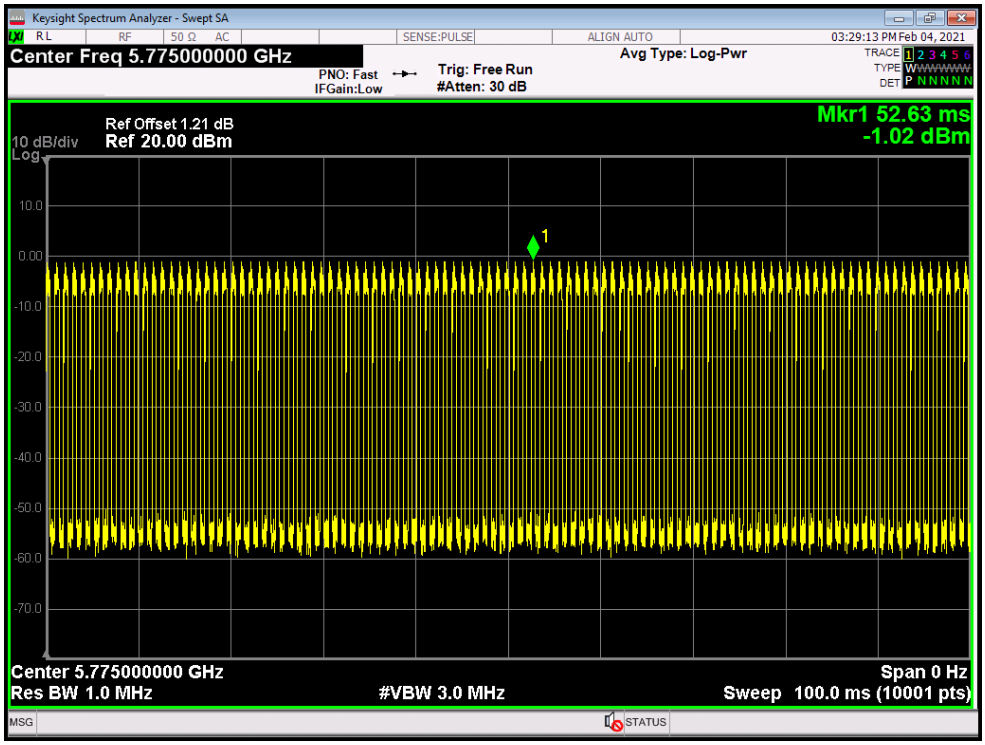
Duty Cycle NVNT 802.11ac40 5795MHz Ant 2



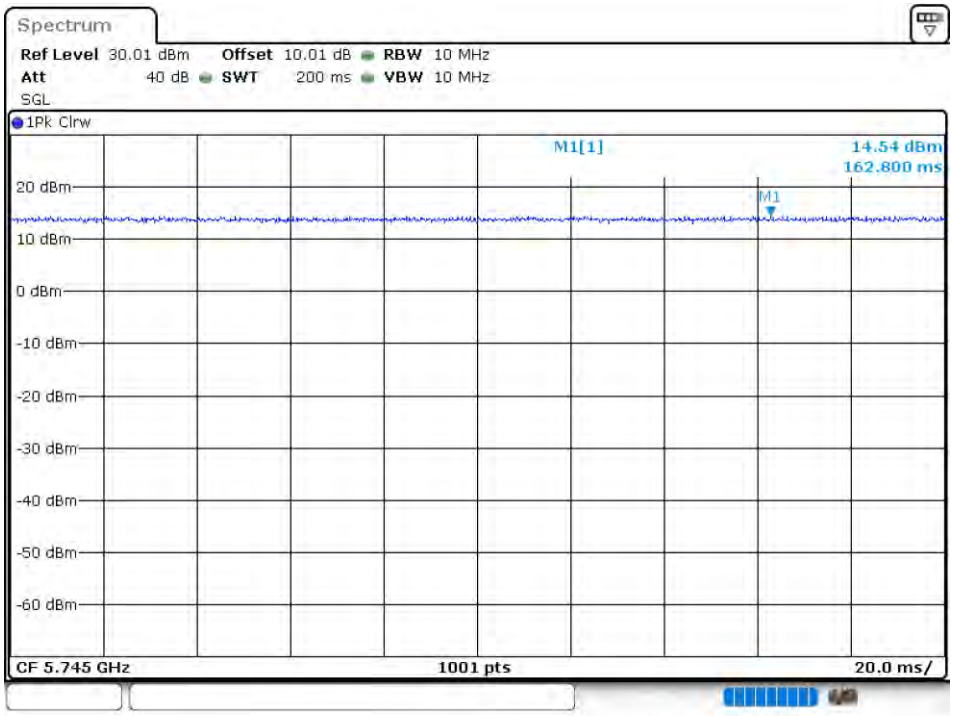
Duty Cycle NVNT ac80 5775MHz Ant1



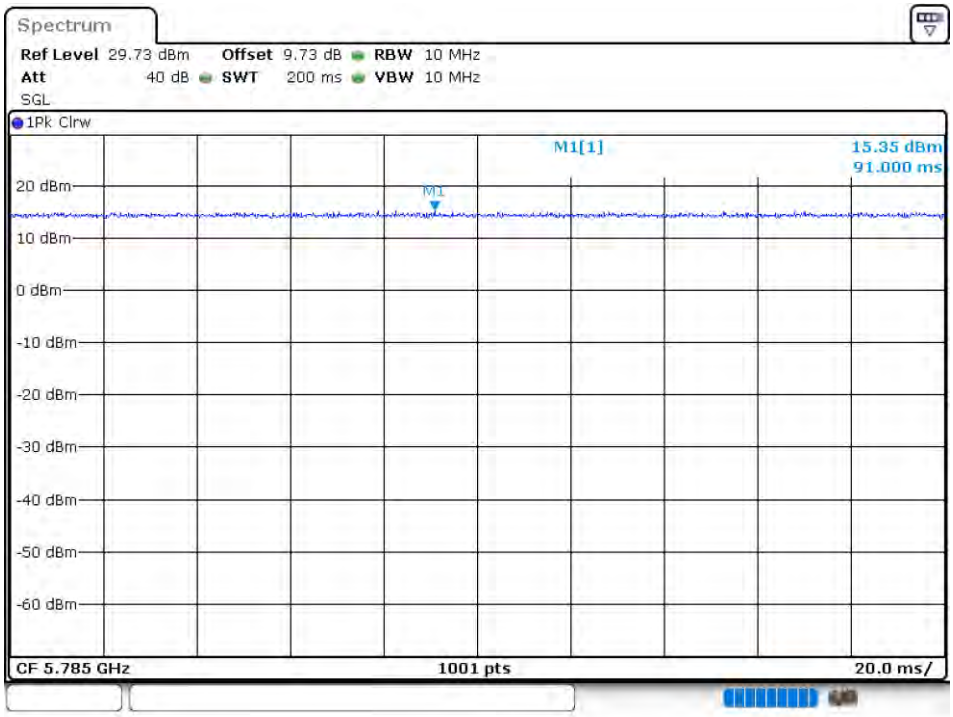
Duty Cycle NVNT ac80 5775MHz Ant2



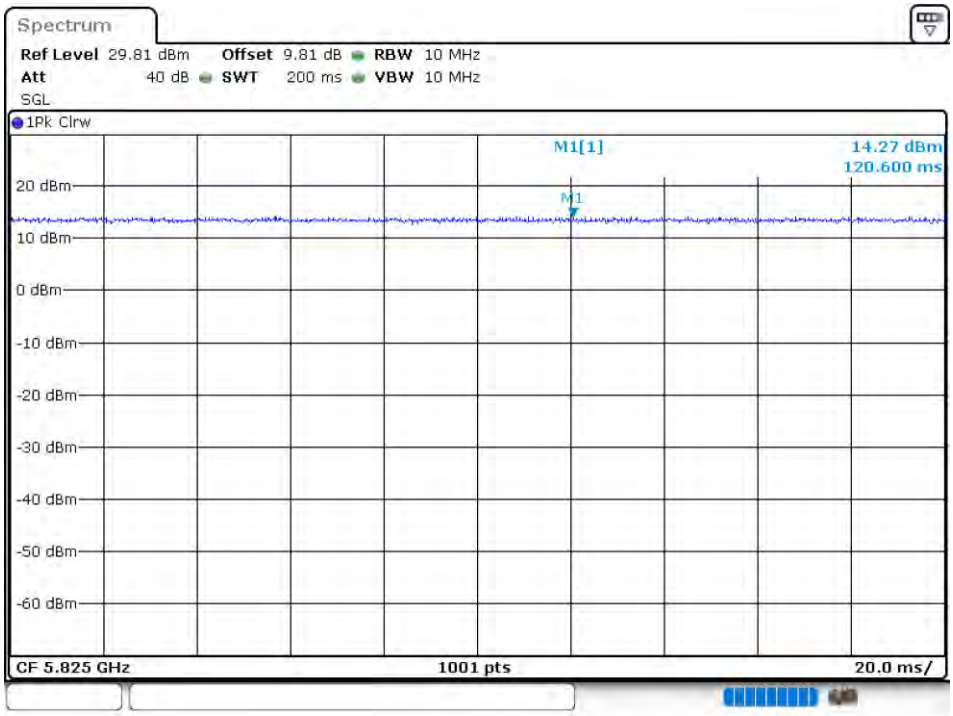
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 1



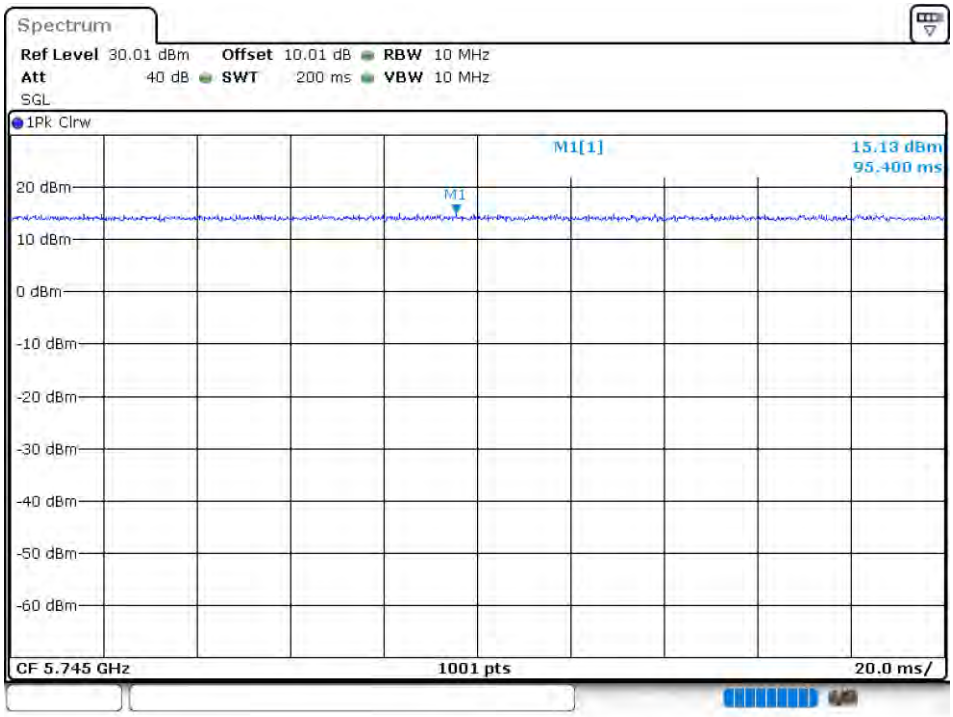
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 1



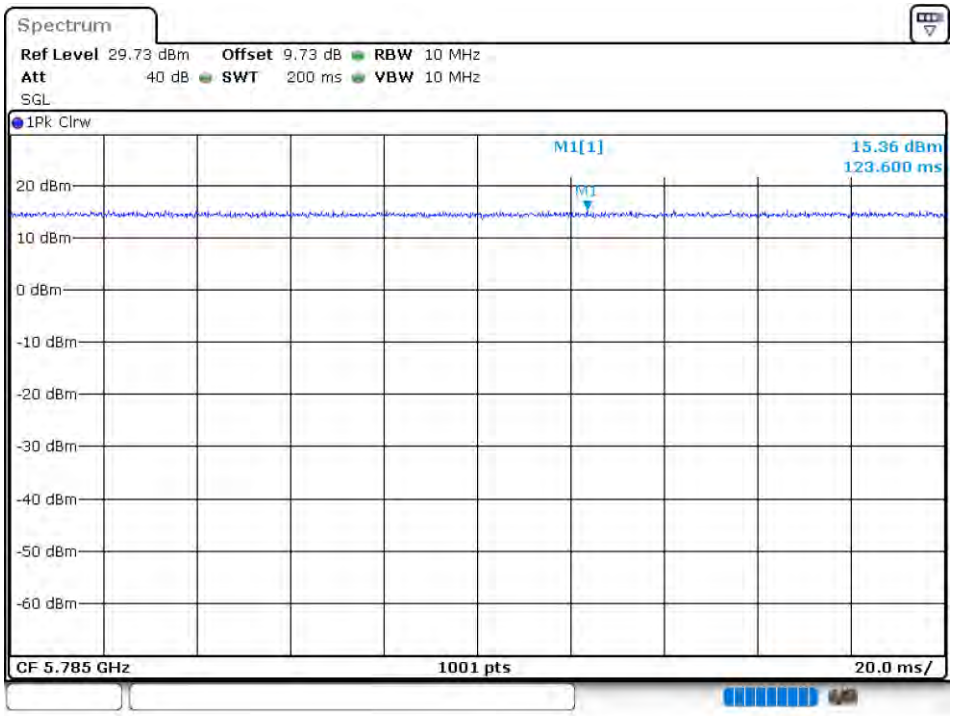
Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 1



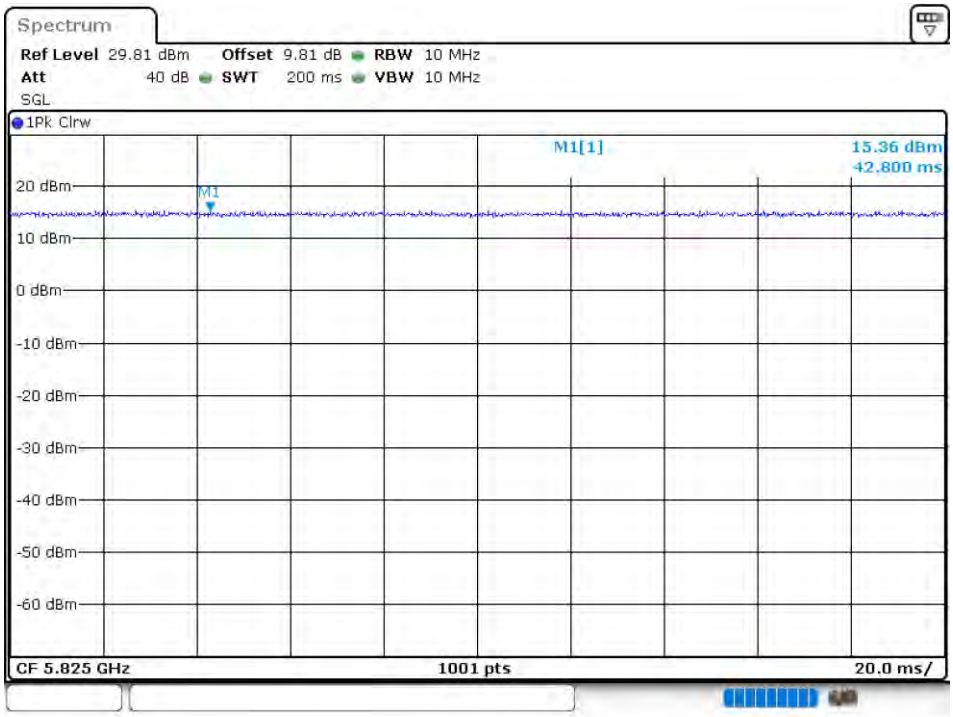
Duty Cycle NVNT 802.11n(HT20) 5745MHz Ant 2



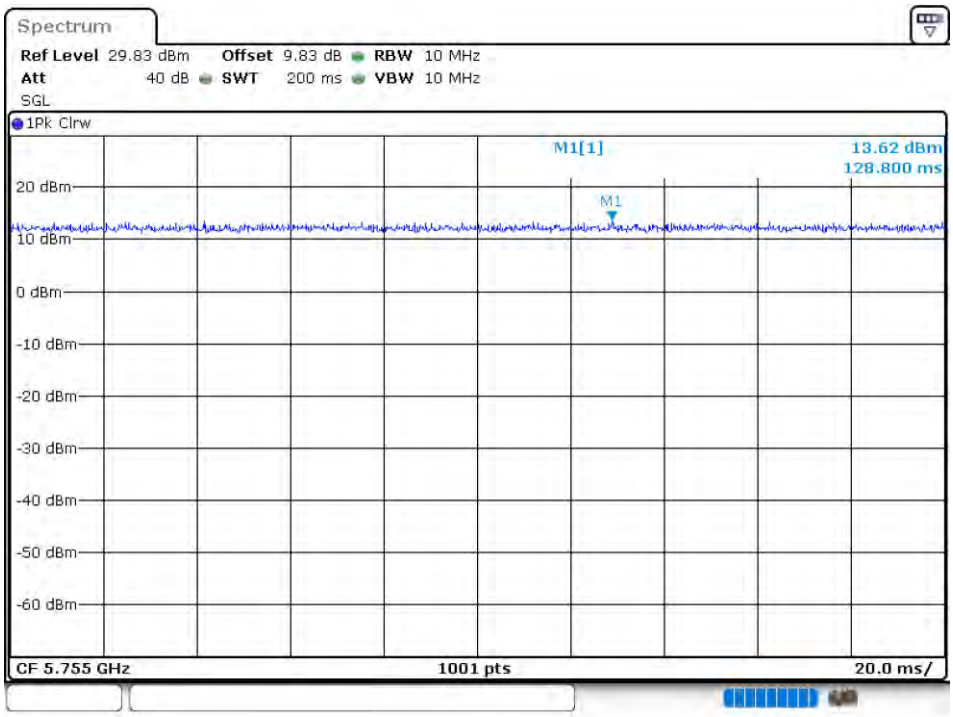
Duty Cycle NVNT 802.11n(HT20) 5785MHz Ant 2



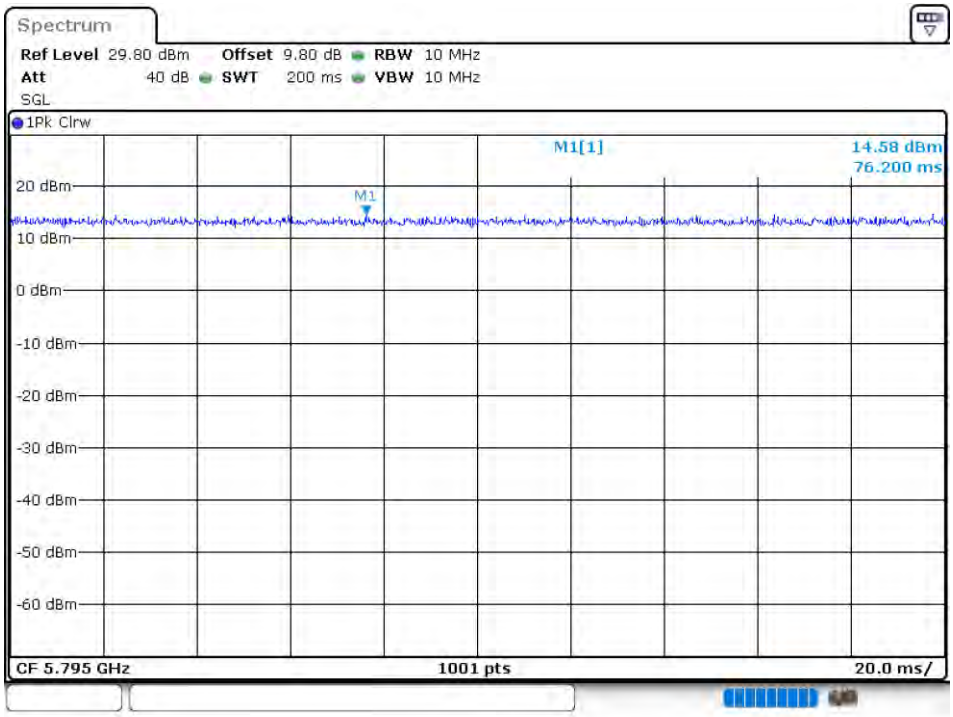
Duty Cycle NVNT 802.11n(HT20) 5825MHz Ant 2



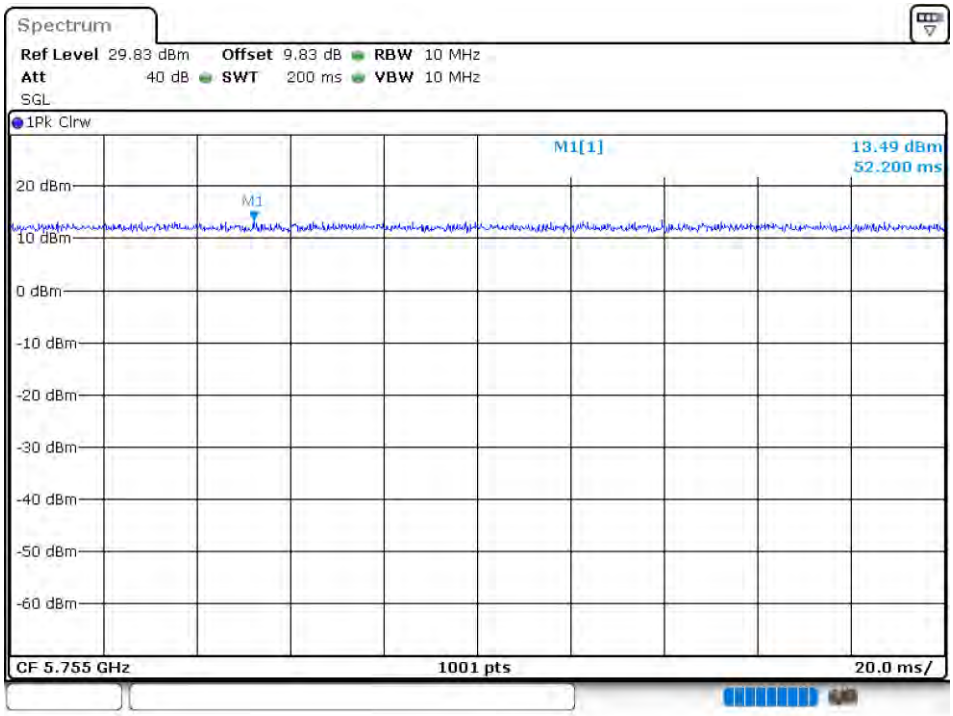
Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 1



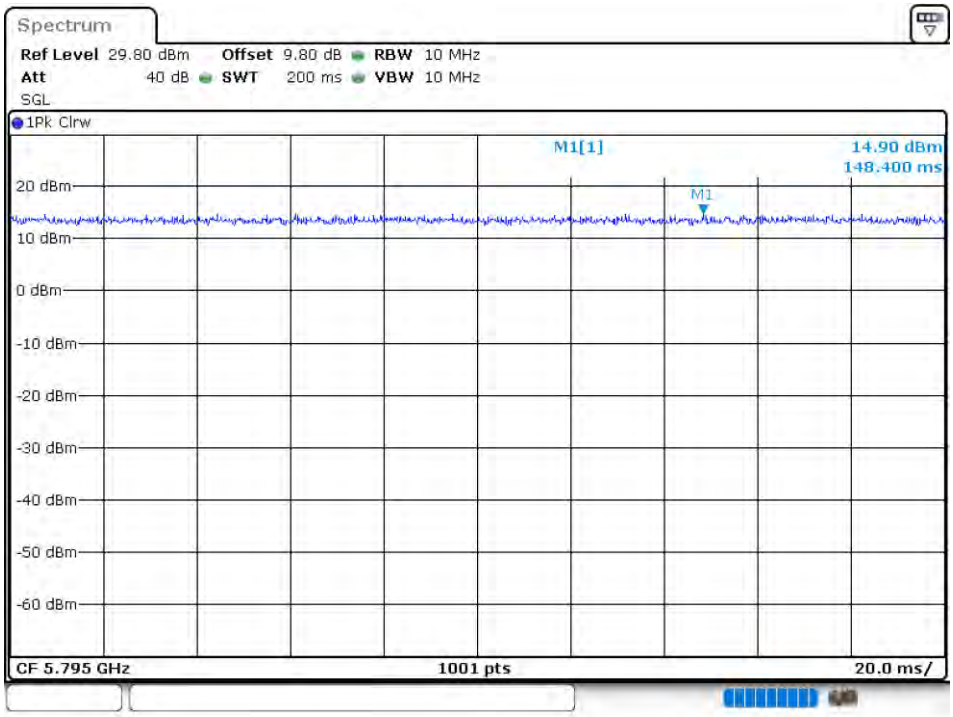
Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 1



Duty Cycle NVNT 802.11n(HT40) 5755MHz Ant 2



Duty Cycle NVNT 802.11n(HT40) 5795MHz Ant 2



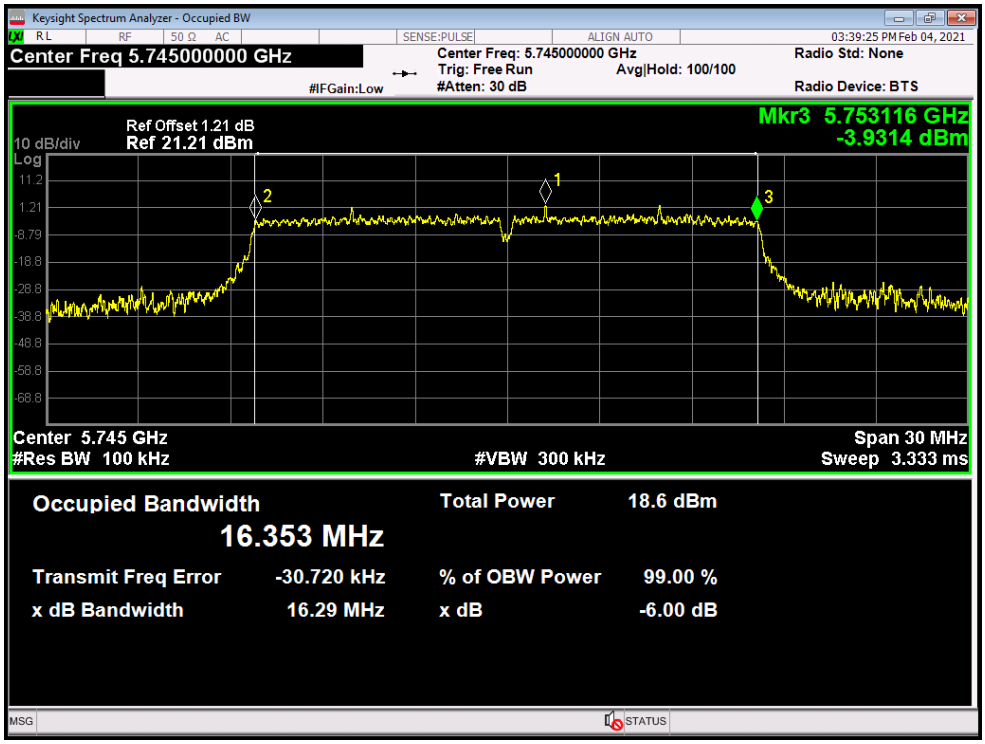
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	11.877	0	11.877	-	30	Pass
NVNT	a	5785	Ant1	11.018	0	11.018	-	30	Pass
NVNT	a	5825	Ant1	11.481	0	11.481	-	30	Pass
NVNT	a	5745	Ant2	11.557	0	11.557	-	30	Pass
NVNT	a	5785	Ant2	11.603	0	11.603	-	30	Pass
NVNT	a	5825	Ant2	11.439	0	11.439	-	30	Pass
NVNT	ac20	5745	Ant1	9.02	0	9.02	12.19	30	Pass
NVNT	ac20	5745	Ant2	9.329	0	9.329		30	Pass
NVNT	ac20	5785	Ant1	9.254	0	9.254	12.29	30	Pass
NVNT	ac20	5785	Ant2	9.301	0	9.301		30	Pass
NVNT	ac20	5825	Ant1	9.041	0	9.041	12.07	30	Pass
NVNT	ac20	5825	Ant2	9.087	0	9.087		30	Pass
NVNT	ac40	5755	Ant1	7.435	0	7.435	10.90	30	Pass
NVNT	ac40	5755	Ant2	8.295	0	8.295		30	Pass
NVNT	ac40	5795	Ant1	8.707	0	8.707	11.75	30	Pass
NVNT	ac40	5795	Ant2	8.771	0	8.771		30	Pass
NVNT	ac80	5775	Ant1	8.591	3.12	11.711	15.67	30	Pass
NVNT	ac80	5775	Ant2	10.317	3.12	13.437		30	Pass
NVNT	n20	5745	Ant1	10.35	0	10.35	13.11	30	Pass
NVNT	n20	5745	Ant2	9.839	0	9.839		30	Pass
NVNT	n20	5785	Ant1	10.351	0	10.351	13.06	30	Pass
NVNT	n20	5785	Ant2	9.735	0	9.735		30	Pass
NVNT	n20	5825	Ant1	10.491	0	10.491	13.19	30	Pass
NVNT	n20	5825	Ant2	9.834	0	9.834		30	Pass
NVNT	n40	5755	Ant1	10.333	0	10.333	13.07	30	Pass
NVNT	n40	5755	Ant2	9.769	0	9.769		30	Pass
NVNT	n40	5795	Ant1	9.389	0	9.389	12.24	30	Pass
NVNT	n40	5795	Ant2	9.073	0	9.073		30	Pass

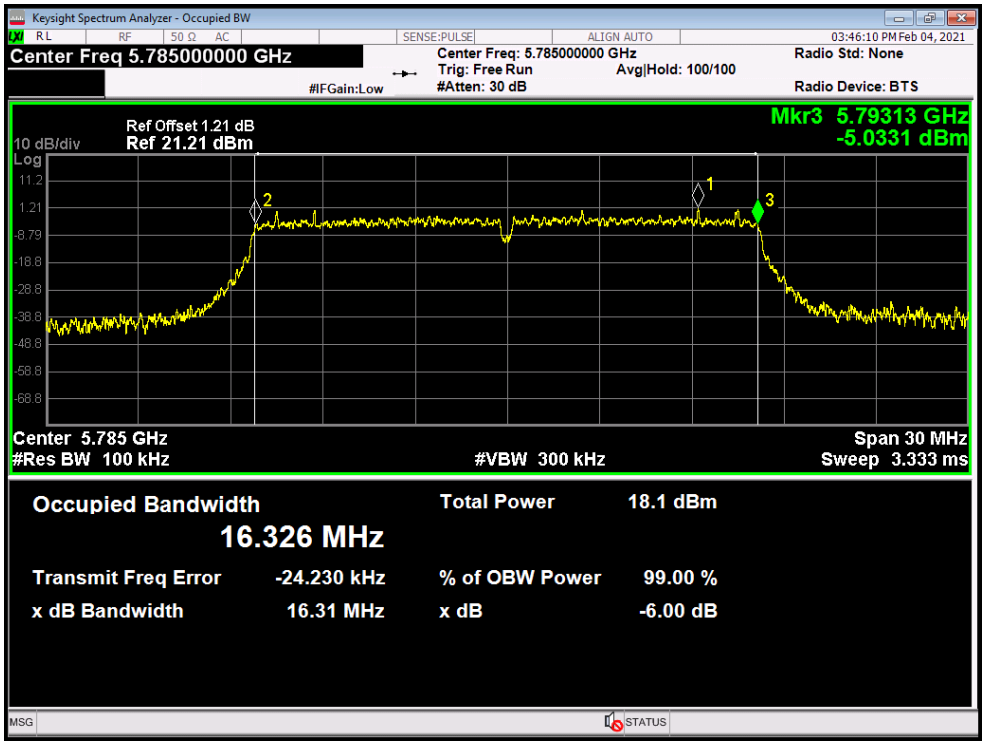
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.294	0.5	Pass
NVNT	a	5785	Ant1	16.309	0.5	Pass
NVNT	a	5825	Ant1	16.332	0.5	Pass
NVNT	a	5745	Ant2	16.321	0.5	Pass
NVNT	a	5785	Ant2	16.313	0.5	Pass
NVNT	a	5825	Ant2	16.312	0.5	Pass
NVNT	ac20	5745	Ant1	17.307	0.5	Pass
NVNT	ac20	5785	Ant1	17.61	0.5	Pass
NVNT	ac20	5825	Ant1	17.448	0.5	Pass
NVNT	ac20	5745	Ant2	17.385	0.5	Pass
NVNT	ac20	5785	Ant2	17.036	0.5	Pass
NVNT	ac20	5825	Ant2	17.474	0.5	Pass
NVNT	ac40	5755	Ant1	35.393	0.5	Pass
NVNT	ac40	5795	Ant1	35.399	0.5	Pass
NVNT	ac40	5755	Ant2	35.586	0.5	Pass
NVNT	ac40	5795	Ant2	35.409	0.5	Pass
NVNT	ac80	5775	Ant1	71.331	0.5	Pass
NVNT	ac80	5775	Ant2	68.763	0.5	Pass
NVNT	n20	5745	Ant1	17.323	0.5	Pass
NVNT	n20	5785	Ant1	17.556	0.5	Pass
NVNT	n20	5825	Ant1	17.296	0.5	Pass
NVNT	n20	5745	Ant2	17.148	0.5	Pass
NVNT	n20	5785	Ant2	17.315	0.5	Pass
NVNT	n20	5825	Ant2	17.308	0.5	Pass
NVNT	n40	5755	Ant1	34.073	0.5	Pass
NVNT	n40	5795	Ant1	35.086	0.5	Pass
NVNT	n40	5755	Ant2	33.897	0.5	Pass
NVNT	n40	5795	Ant2	33.355	0.5	Pass

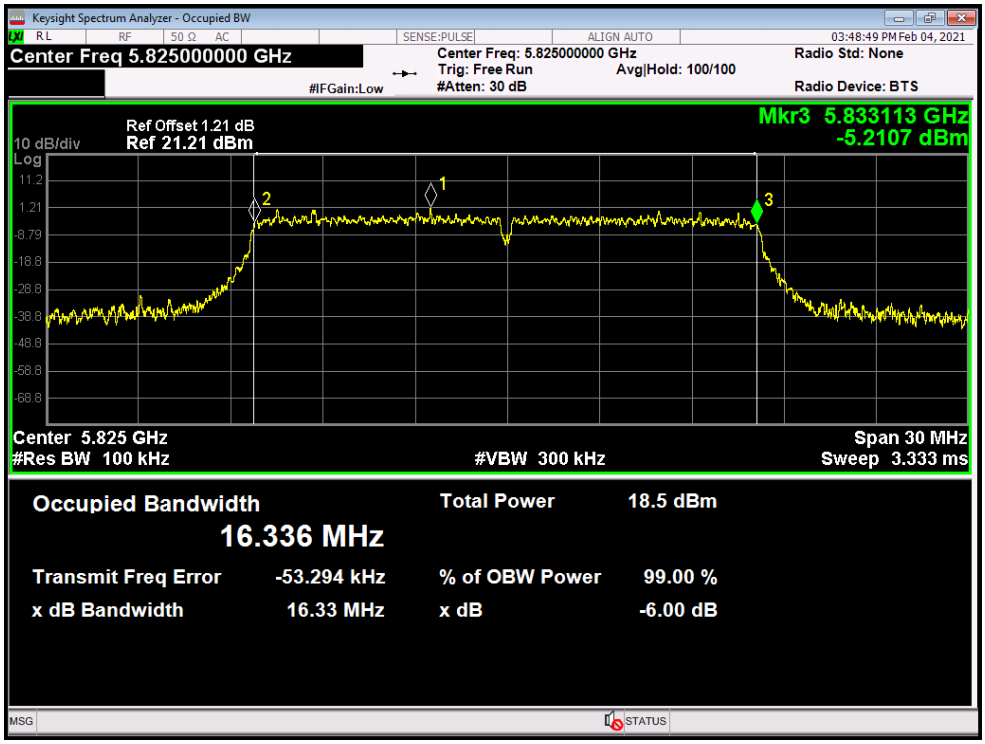
-6dB Bandwidth NVNT a 5745MHz Ant1



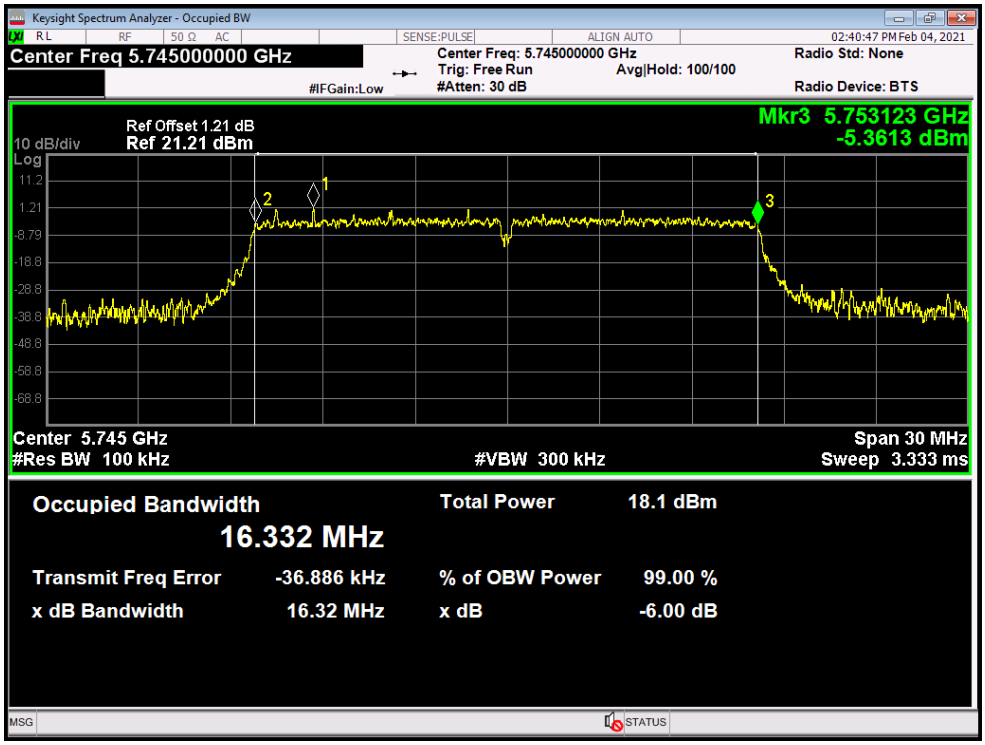
-6dB Bandwidth NVNT a 5785MHz Ant1



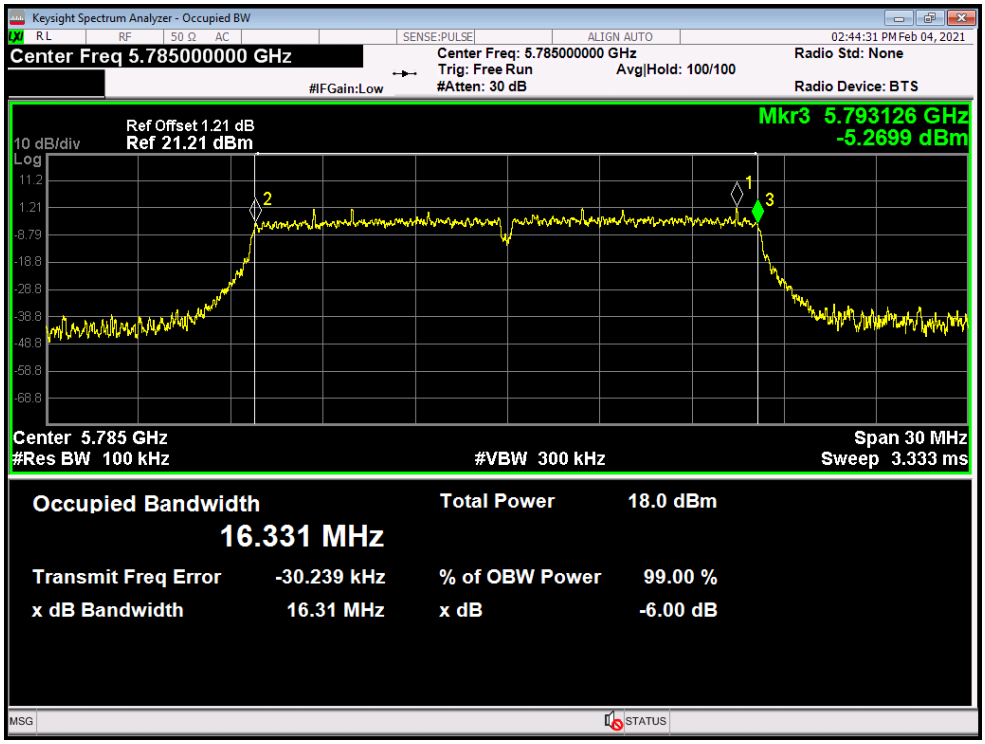
-6dB Bandwidth NVNT a 5825MHz Ant1



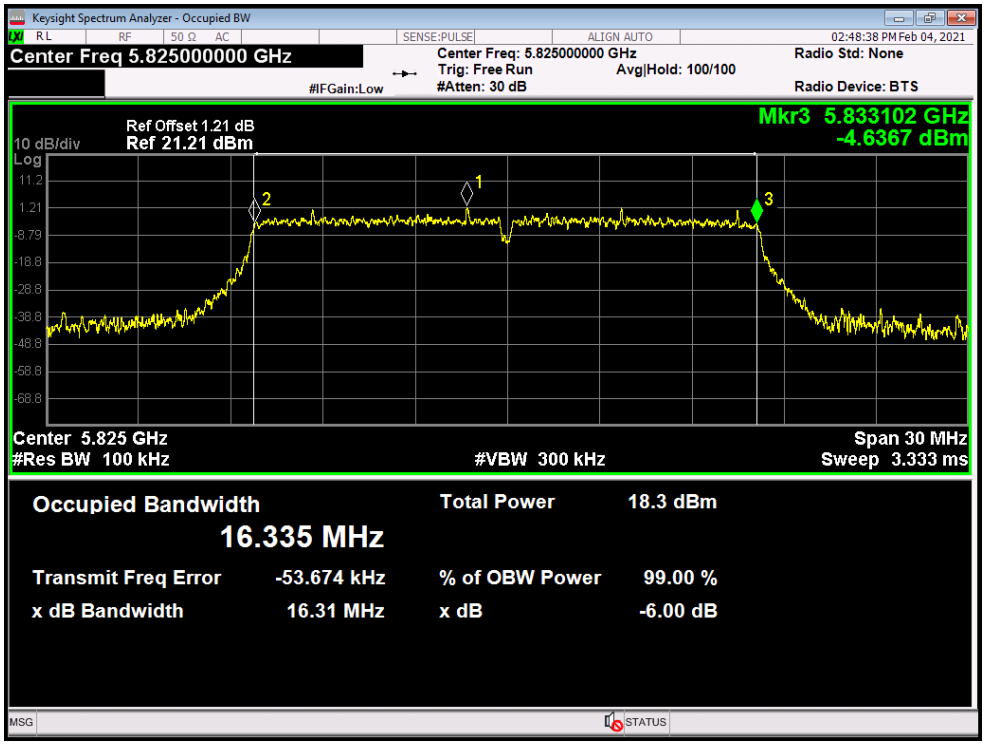
-6dB Bandwidth NVNT a 5745MHz Ant2



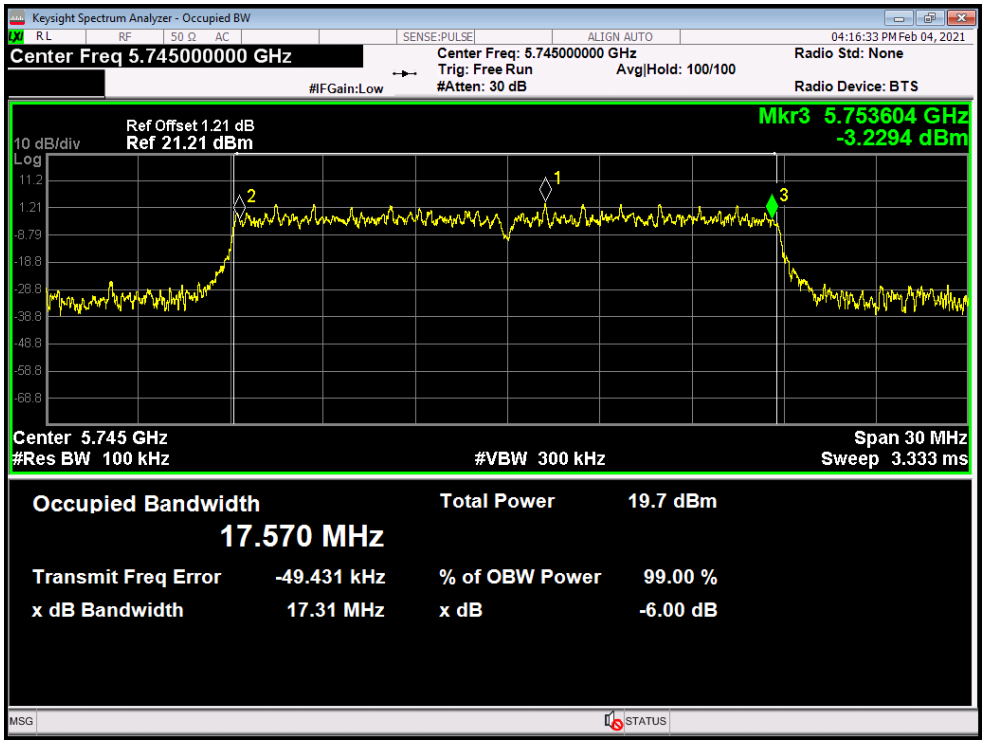
-6dB Bandwidth NVNT a 5785MHz Ant2



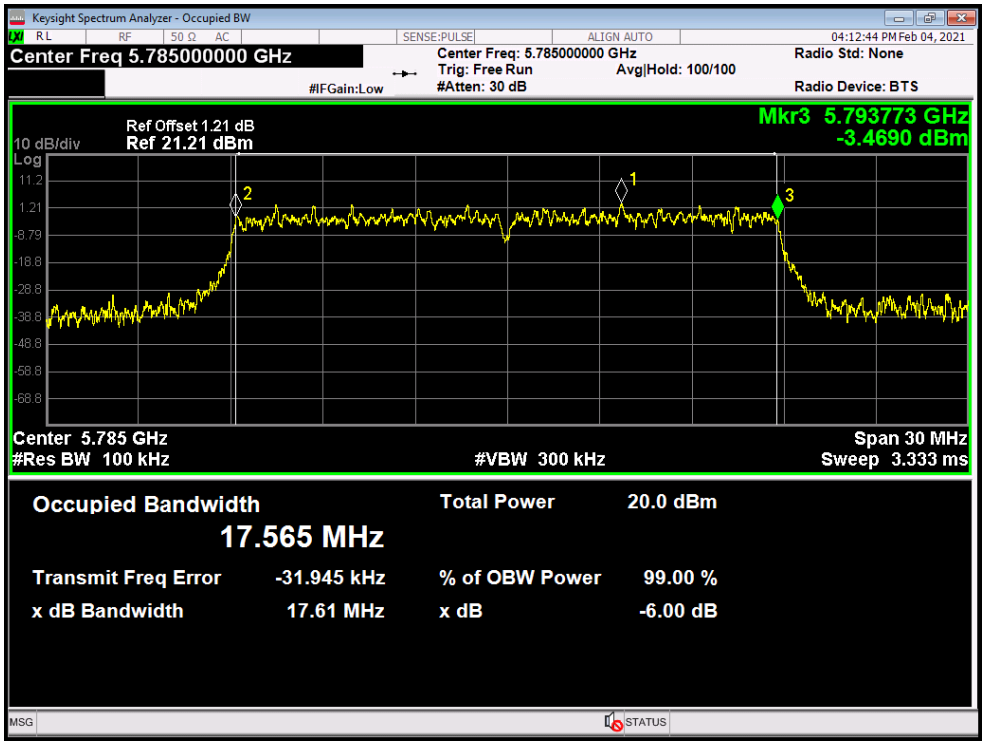
-6dB Bandwidth NVNT a 5825MHz Ant2



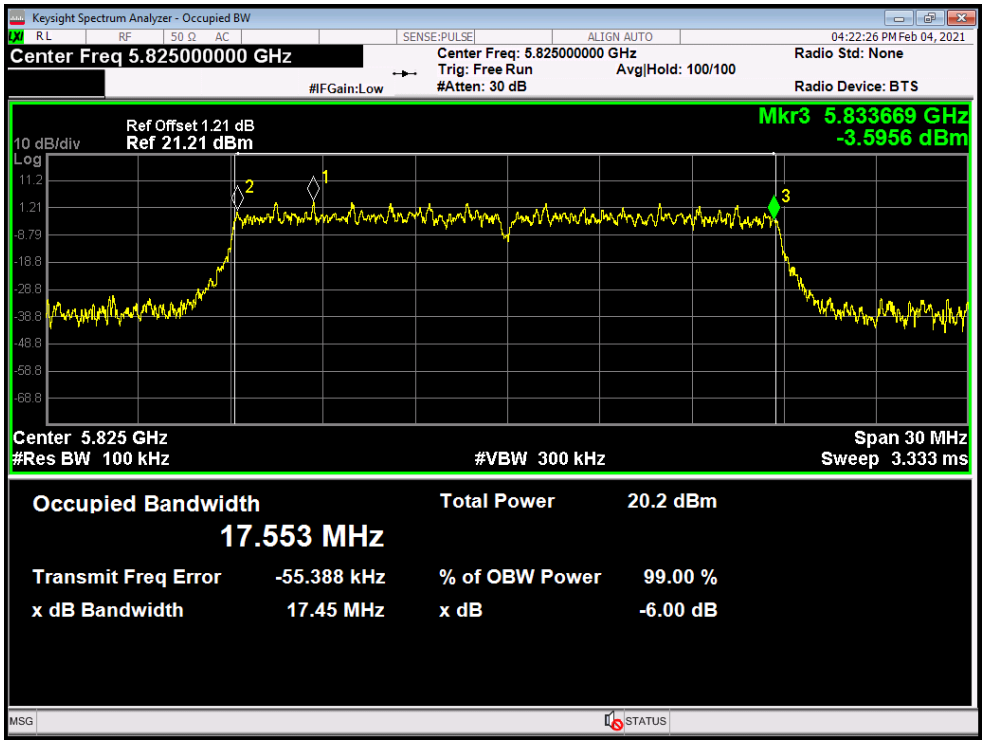
-6dB Bandwidth NVNT ac20 5745MHz Ant1



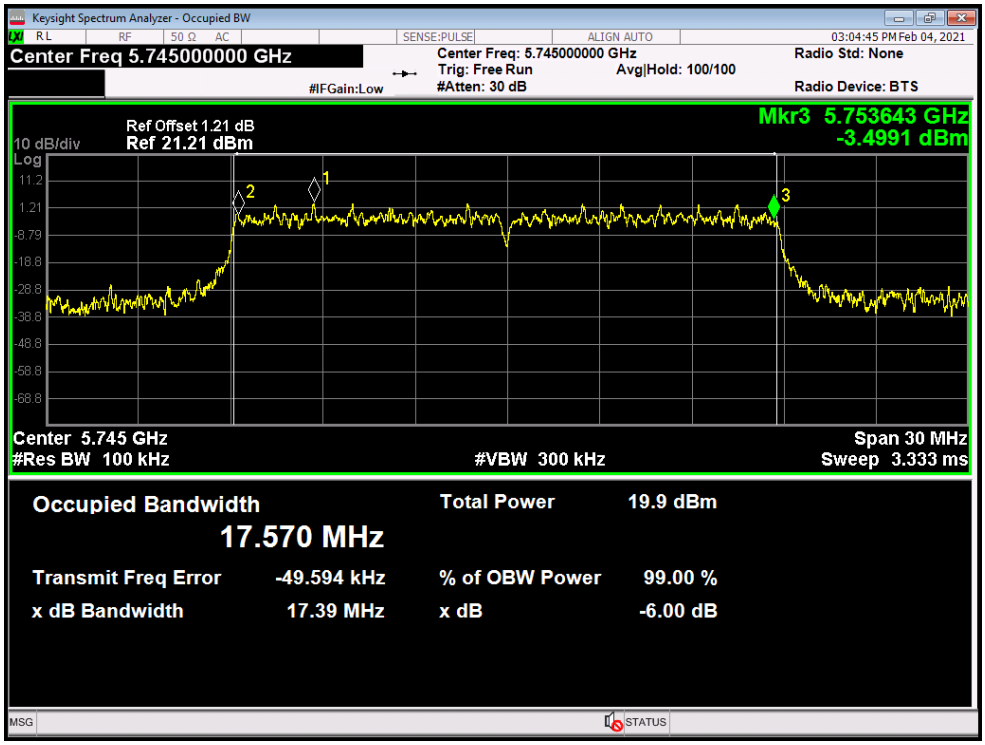
-6dB Bandwidth NVNT ac20 5785MHz Ant1



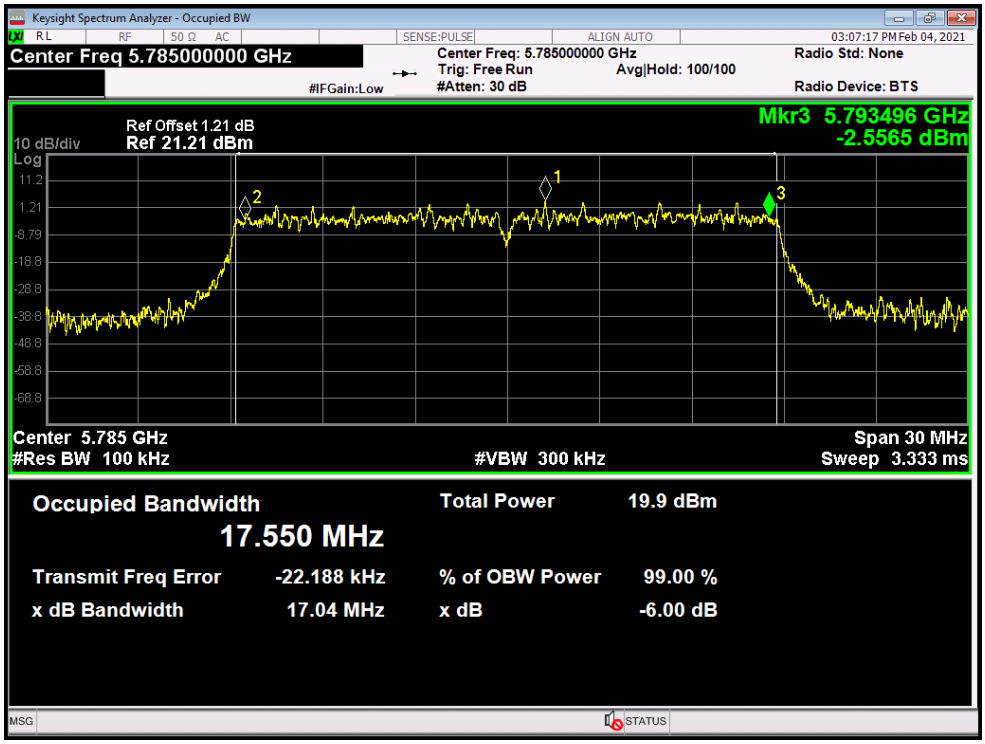
-6dB Bandwidth NVNT ac20 5825MHz Ant1



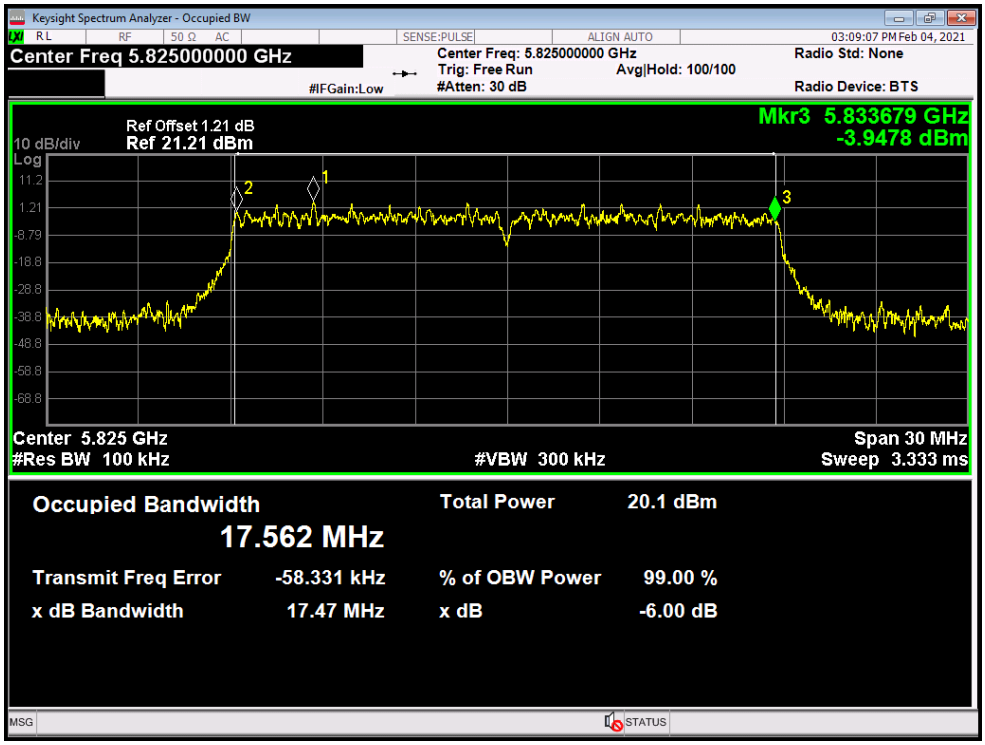
-6dB Bandwidth NVNT ac20 5745MHz Ant2



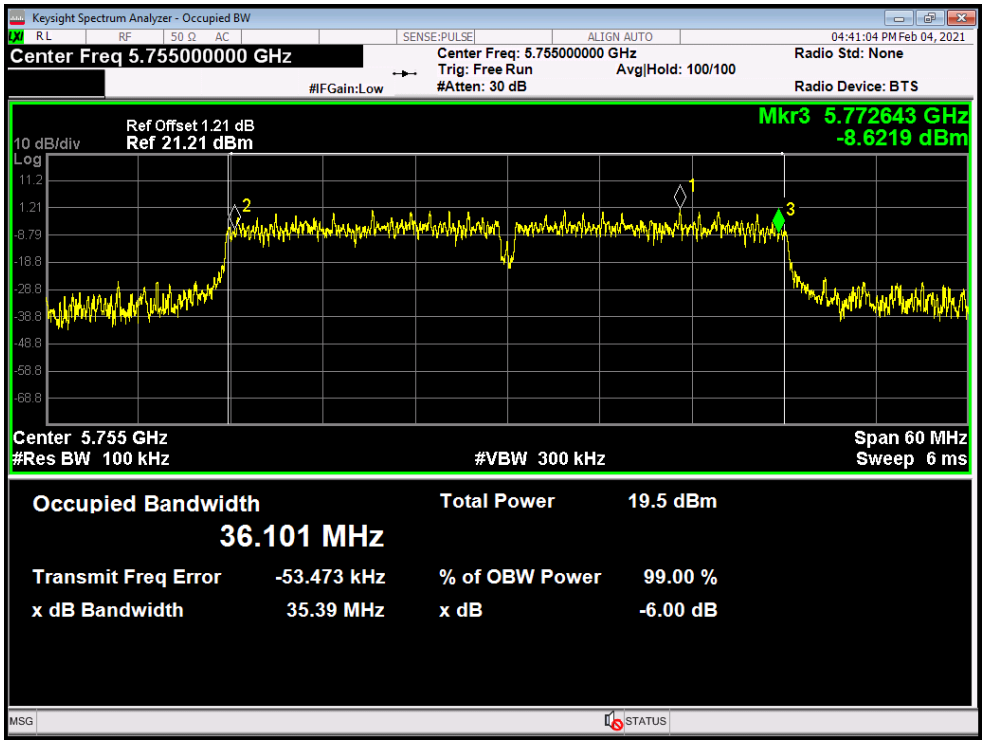
-6dB Bandwidth NVNT ac20 5785MHz Ant2



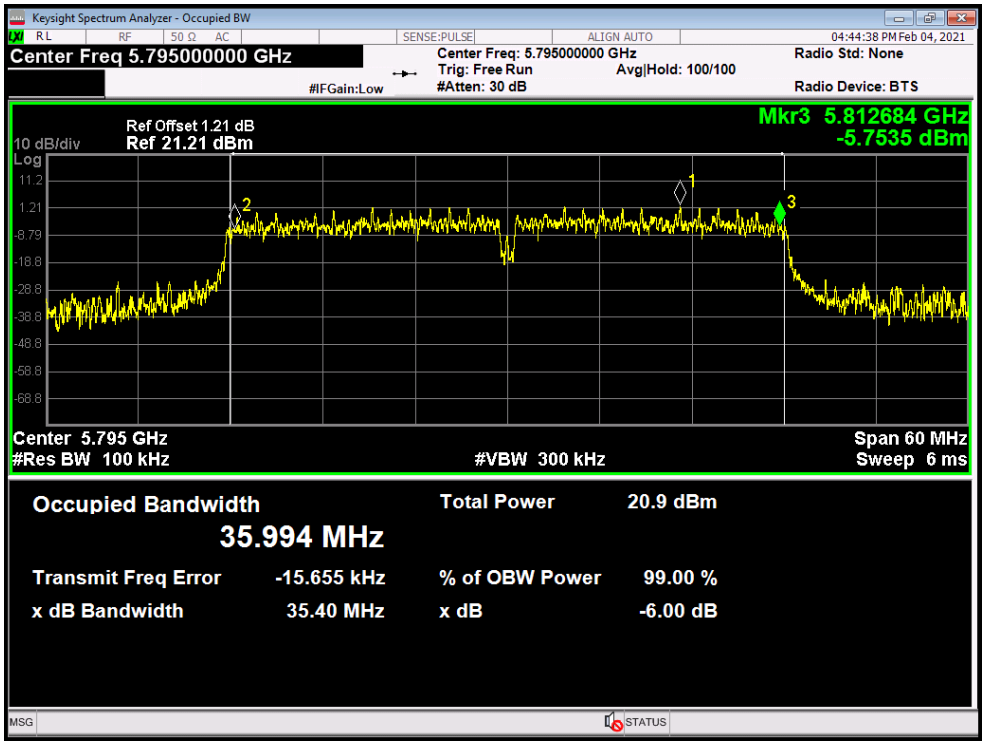
-6dB Bandwidth NVNT ac20 5825MHz Ant2



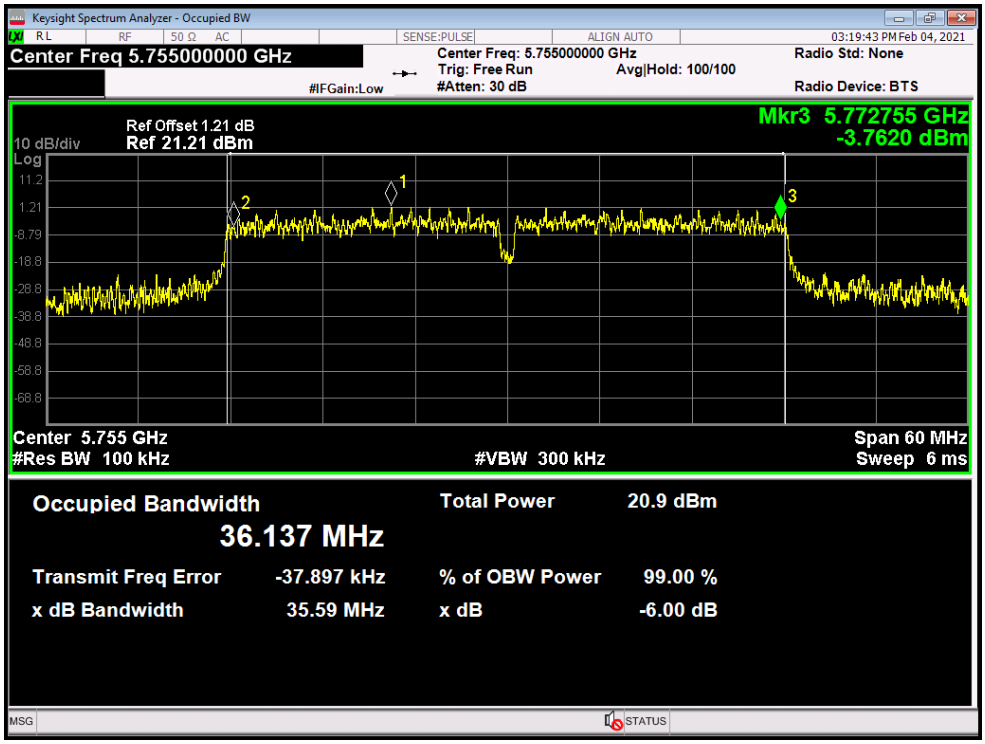
-6dB Bandwidth NVNT ac40 5755MHz Ant1



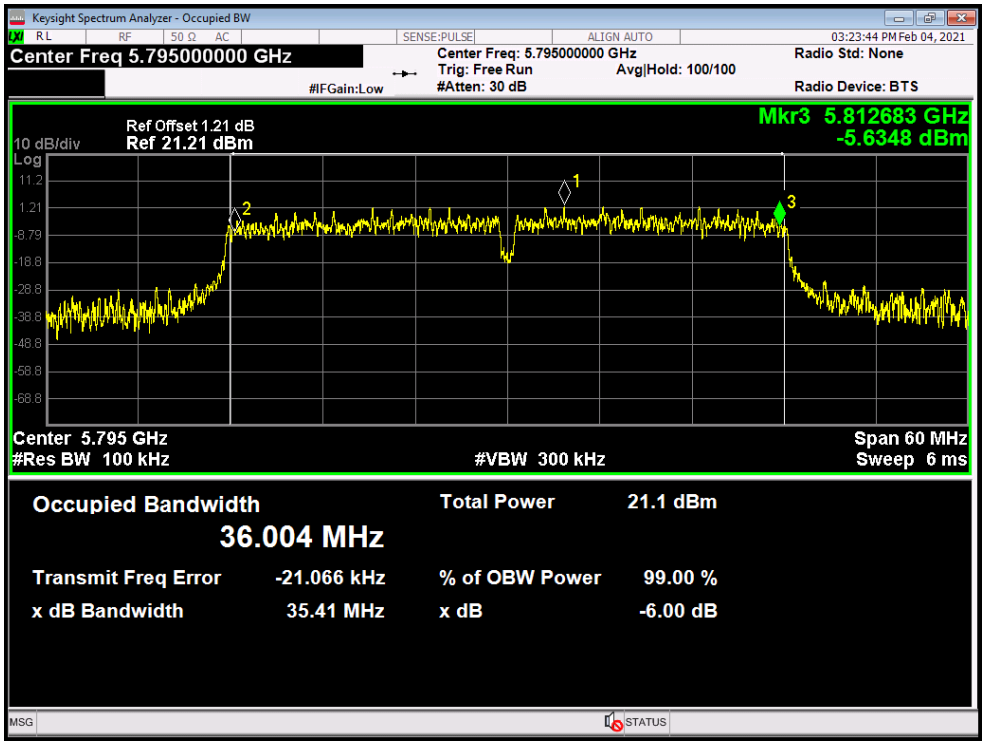
-6dB Bandwidth NVNT ac40 5795MHz Ant1



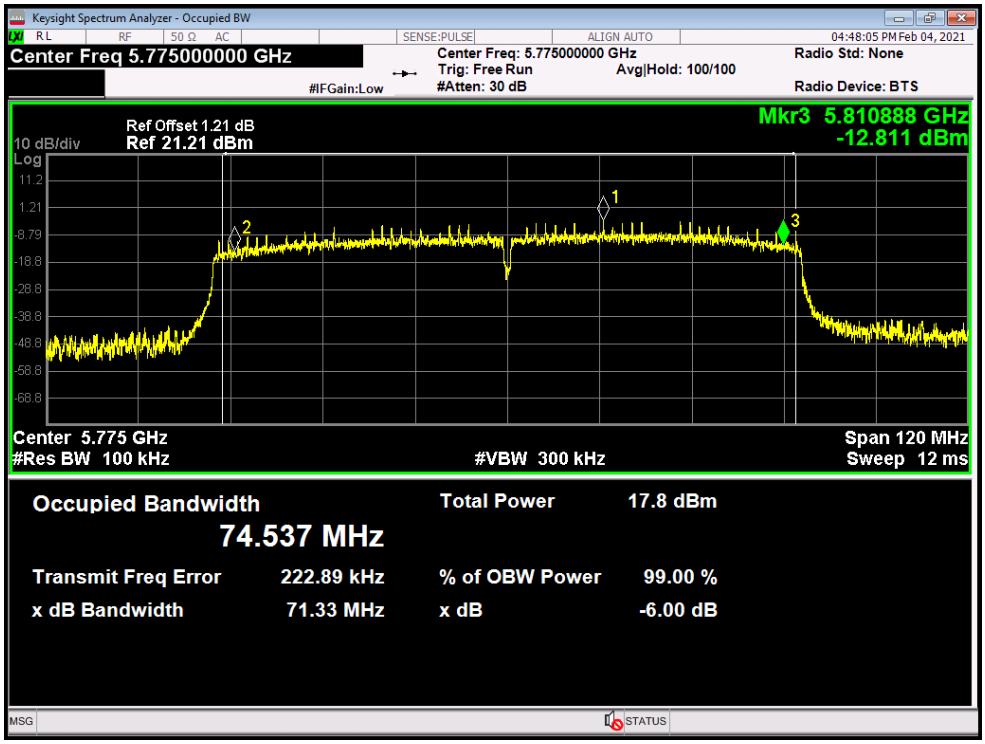
-6dB Bandwidth NVNT ac40 5755MHz Ant2



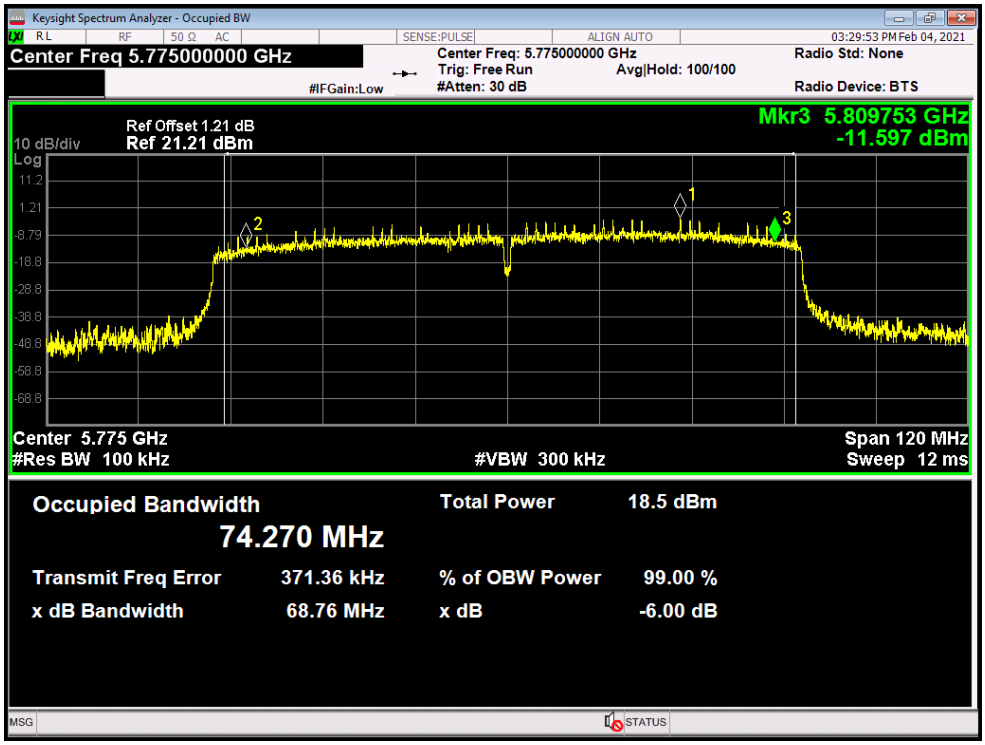
-6dB Bandwidth NVNT ac40 5795MHz Ant2



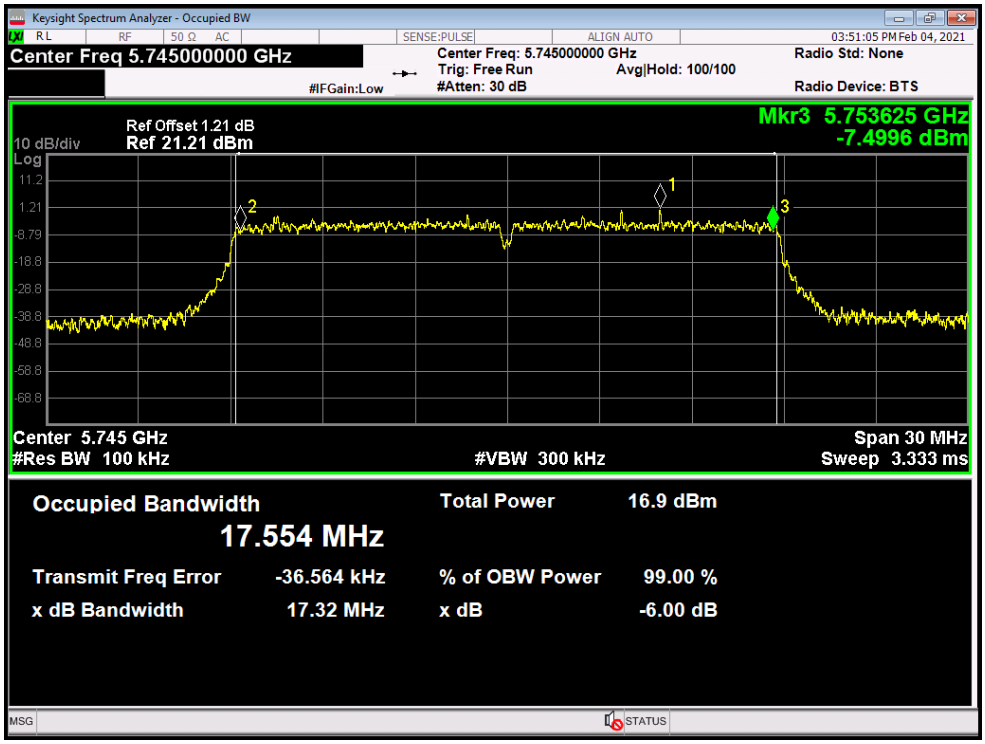
-6dB Bandwidth NVNT ac80 5775MHz Ant1



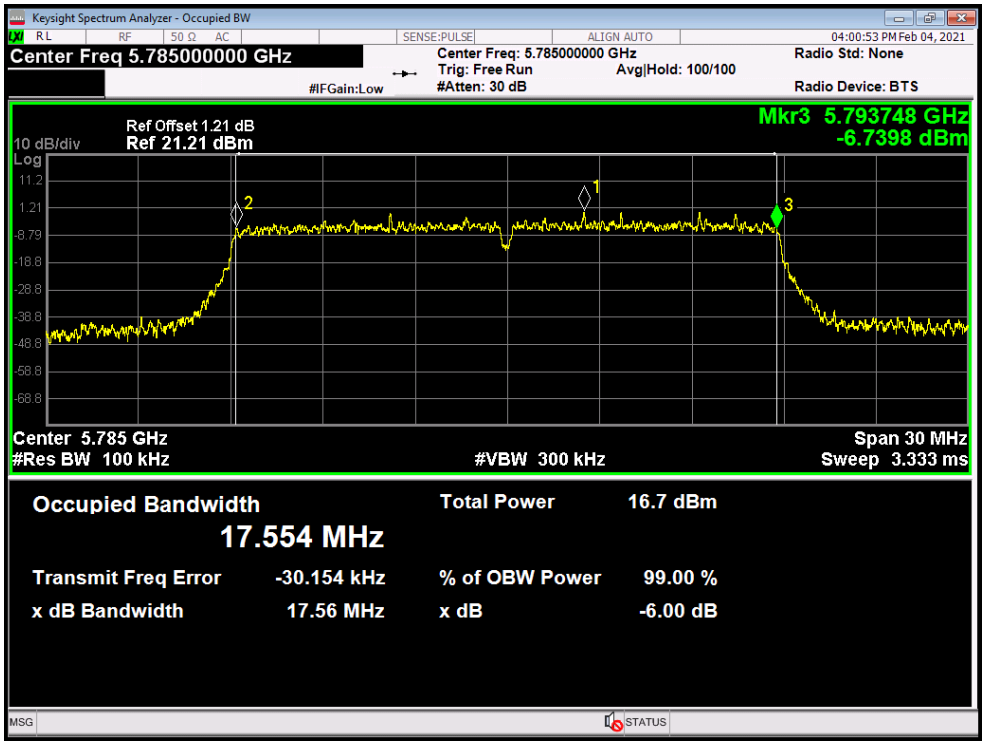
-6dB Bandwidth NVNT ac80 5775MHz Ant2



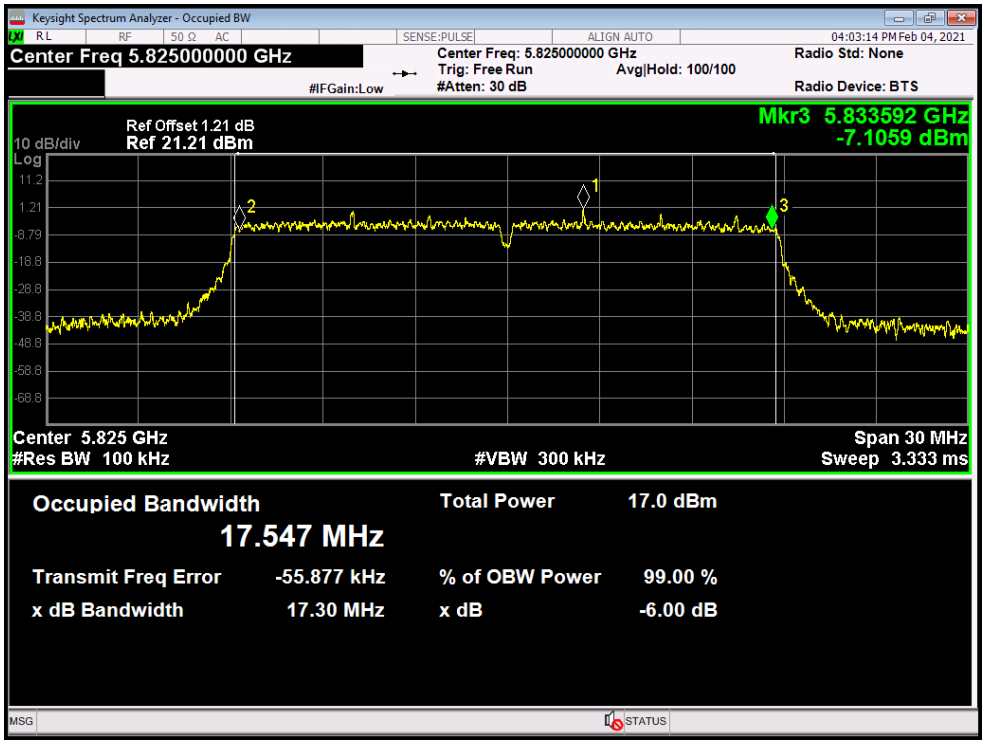
-6dB Bandwidth NVNT n20 5745MHz Ant1



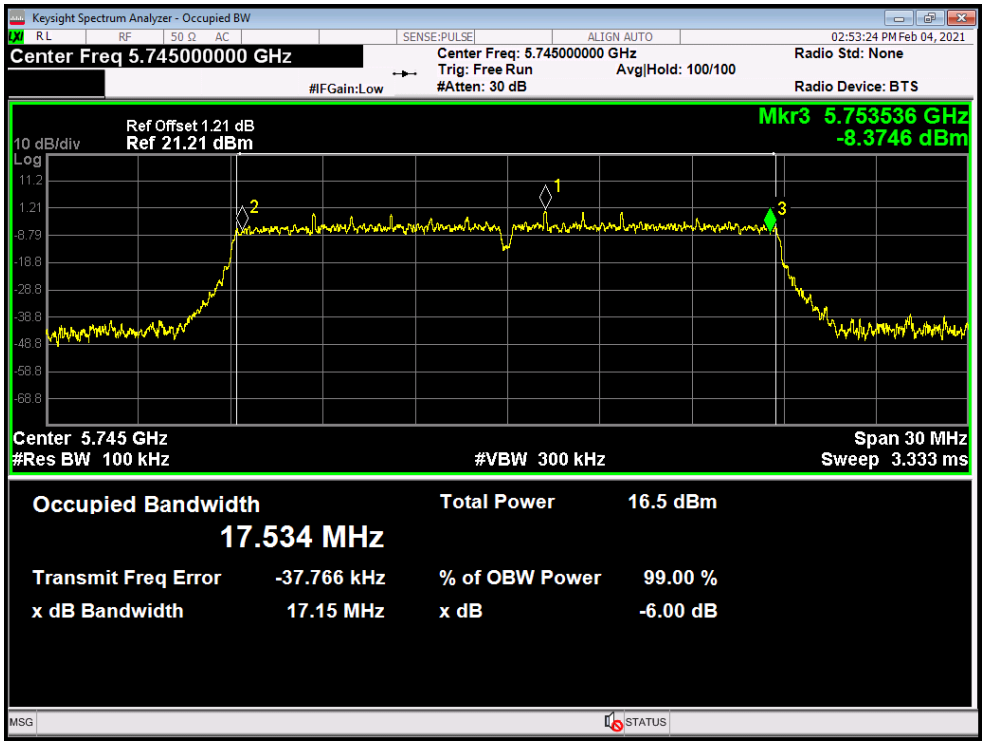
-6dB Bandwidth NVNT n20 5785MHz Ant1



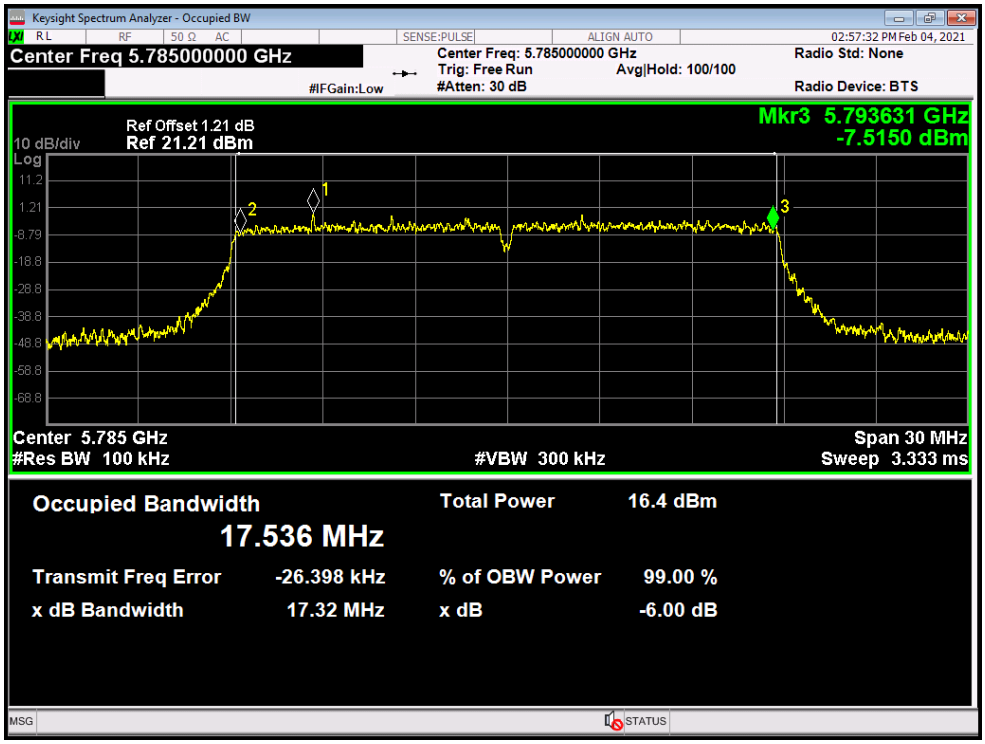
-6dB Bandwidth NVNT n20 5825MHz Ant1



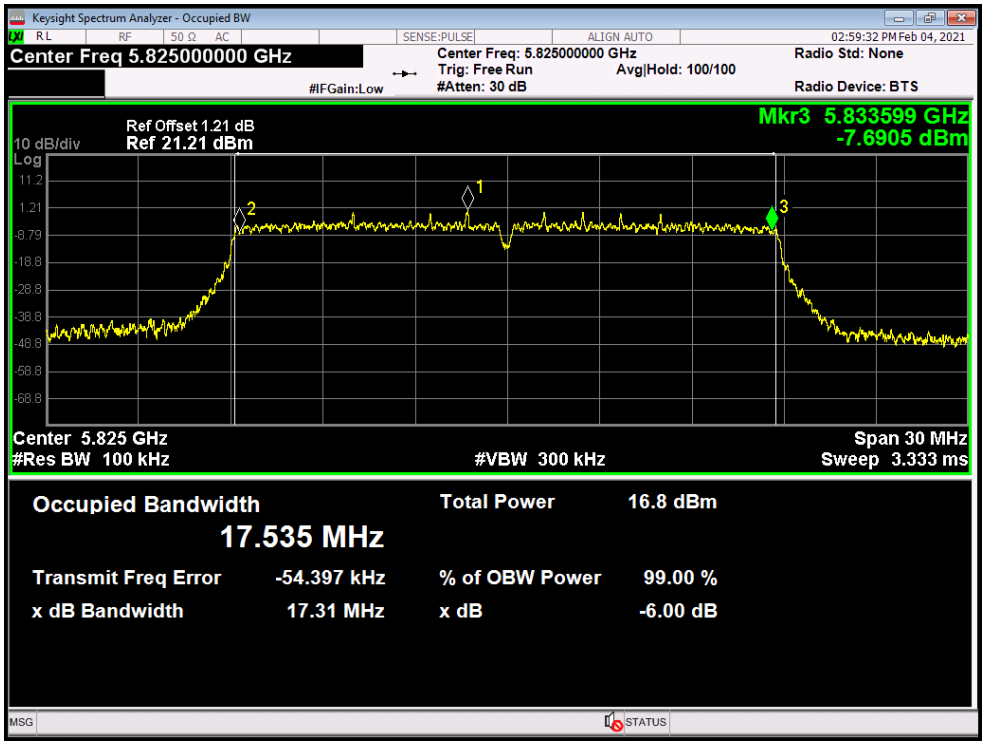
-6dB Bandwidth NVNT n20 5745MHz Ant2



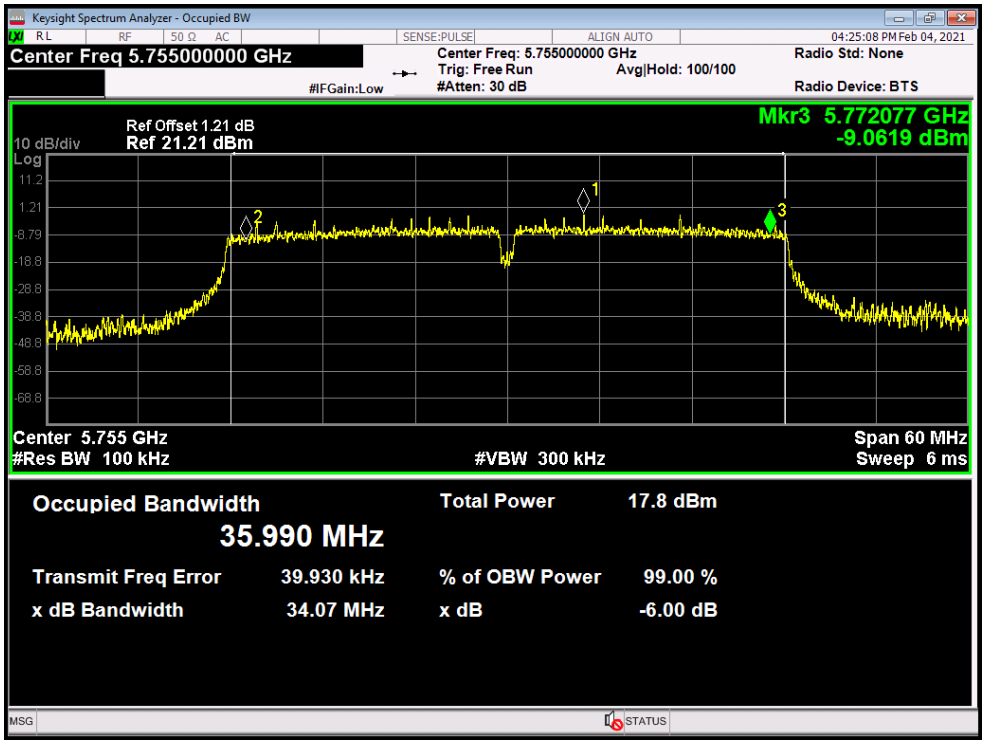
-6dB Bandwidth NVNT n20 5785MHz Ant2



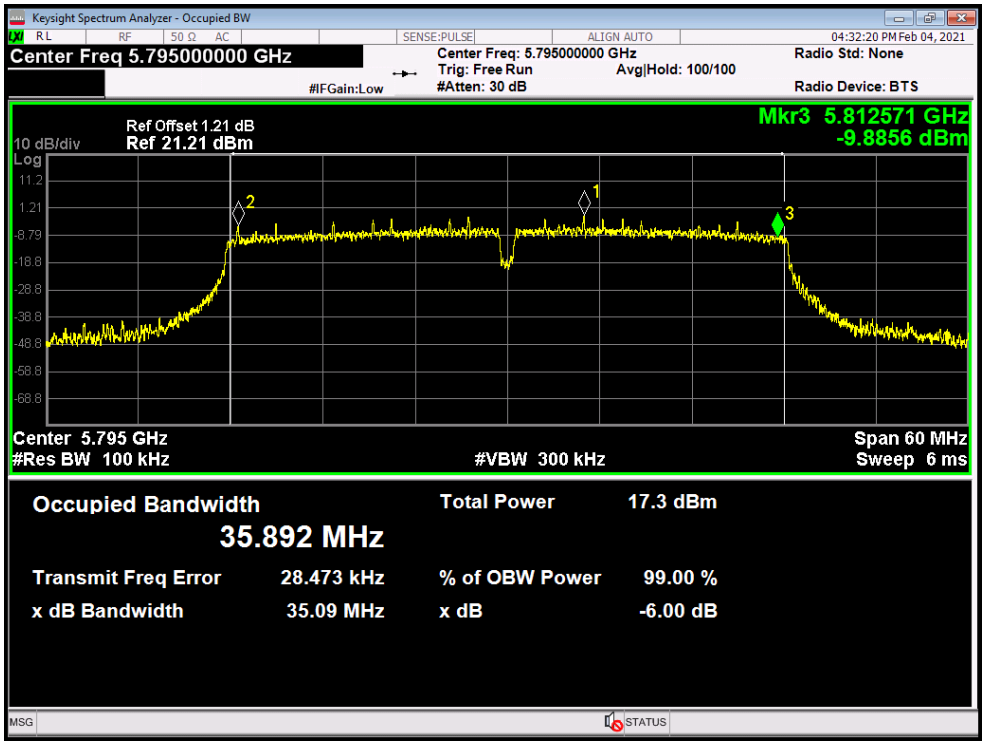
-6dB Bandwidth NVNT n20 5825MHz Ant2



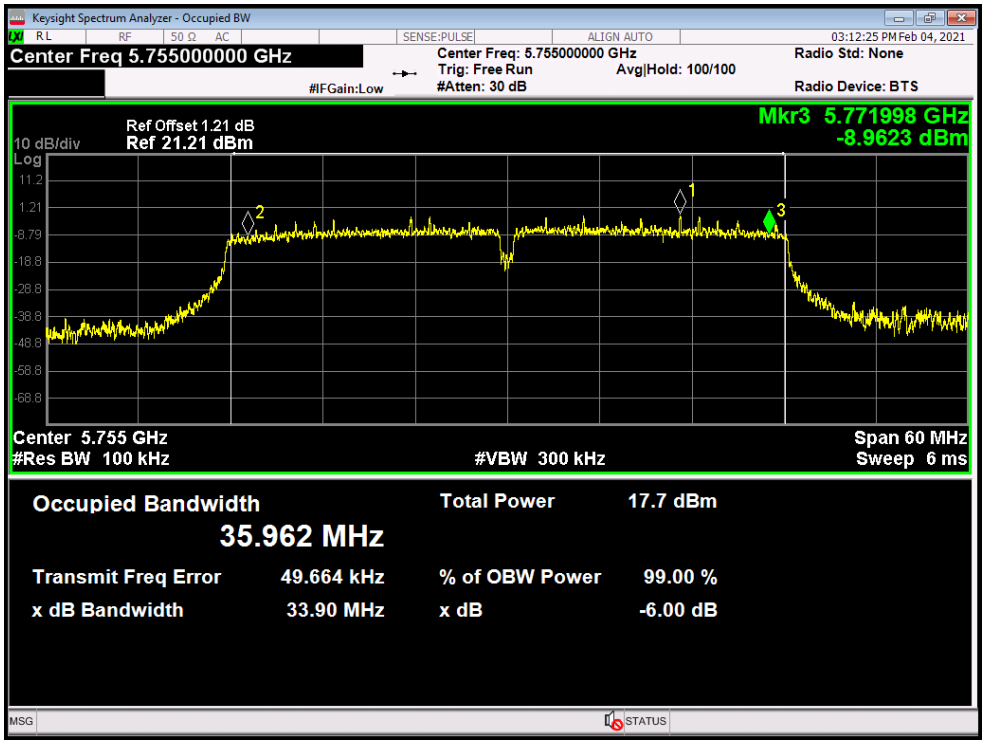
-6dB Bandwidth NVNT n40 5755MHz Ant1



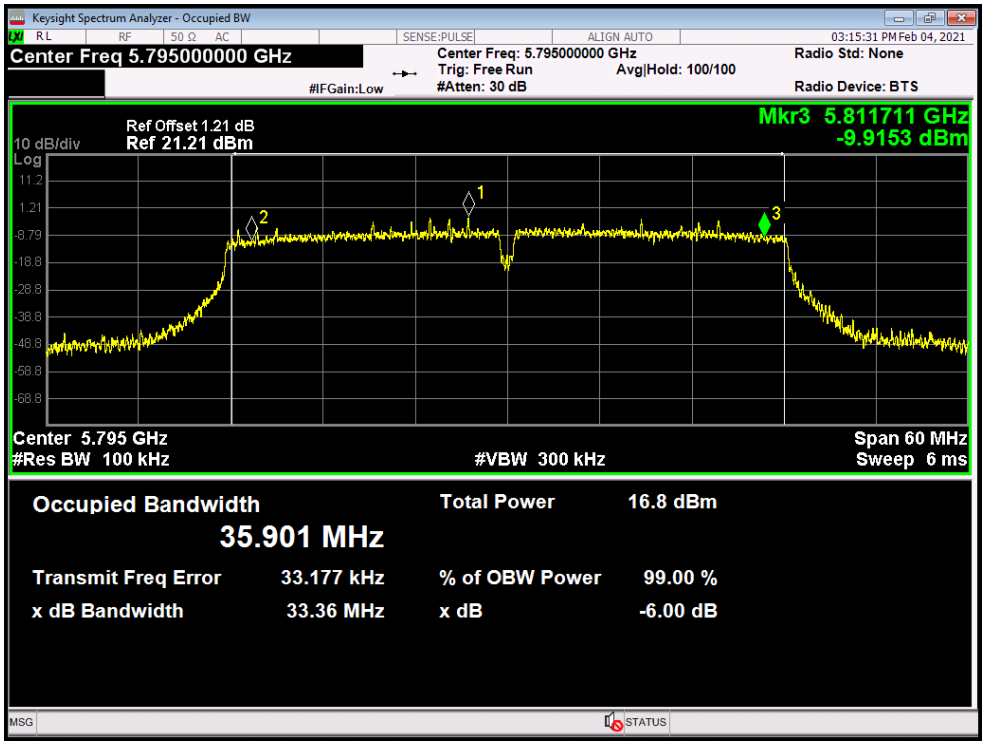
-6dB Bandwidth NVNT n40 5795MHz Ant1



-6dB Bandwidth NVNT n40 5755MHz Ant2



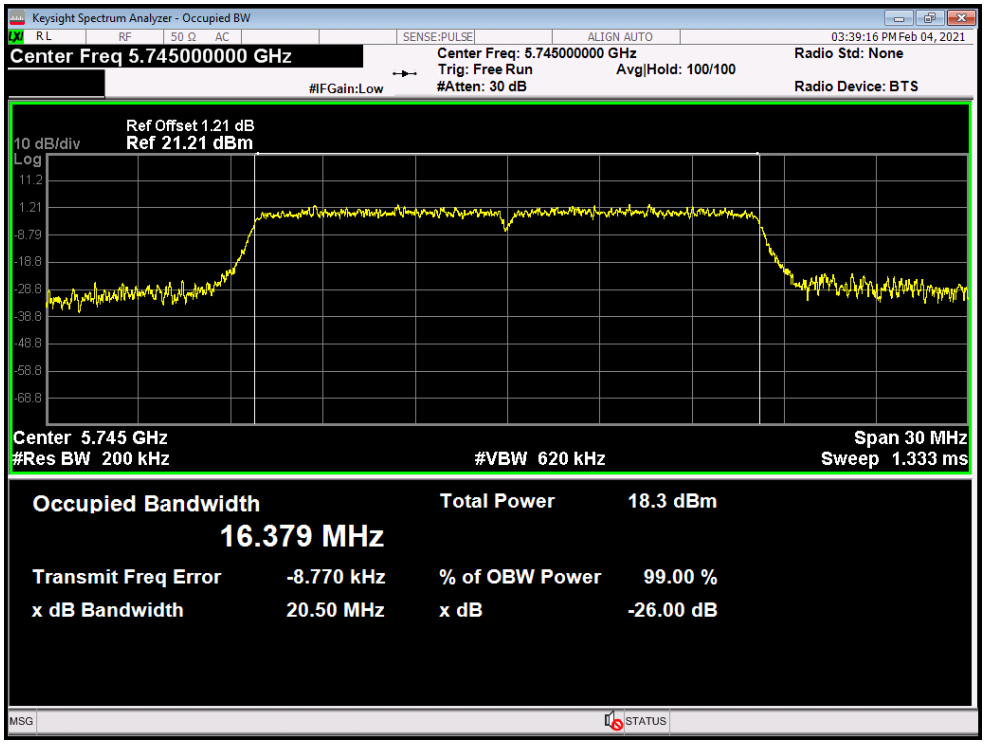
-6dB Bandwidth NVNT n40 5795MHz Ant2



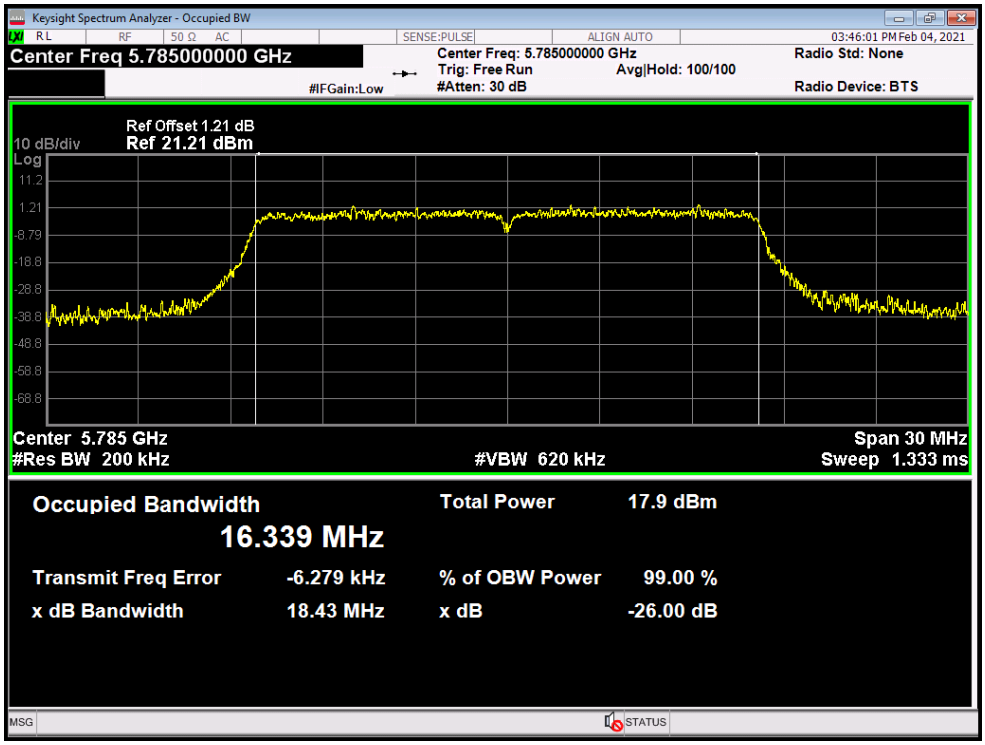
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5745	Ant1	16.379
NVNT	a	5785	Ant1	16.339
NVNT	a	5825	Ant1	16.356
NVNT	a	5745	Ant2	16.356
NVNT	a	5785	Ant2	16.342
NVNT	a	5825	Ant2	16.328
NVNT	ac20	5745	Ant1	17.612
NVNT	ac20	5785	Ant1	17.595
NVNT	ac20	5825	Ant1	17.576
NVNT	ac20	5745	Ant2	17.591
NVNT	ac20	5785	Ant2	17.556
NVNT	ac20	5825	Ant2	17.562
NVNT	ac40	5755	Ant1	36.151
NVNT	ac40	5795	Ant1	36.081
NVNT	ac40	5755	Ant2	36.191
NVNT	ac40	5795	Ant2	35.976
NVNT	ac80	5775	Ant1	74.571
NVNT	ac80	5775	Ant2	74.471
NVNT	n20	5745	Ant1	17.542
NVNT	n20	5785	Ant1	17.532
NVNT	n20	5825	Ant1	17.543
NVNT	n20	5745	Ant2	17.53
NVNT	n20	5785	Ant2	17.539
NVNT	n20	5825	Ant2	17.526
NVNT	n40	5755	Ant1	36.112
NVNT	n40	5795	Ant1	35.964
NVNT	n40	5755	Ant2	36.114
NVNT	n40	5795	Ant2	36.013

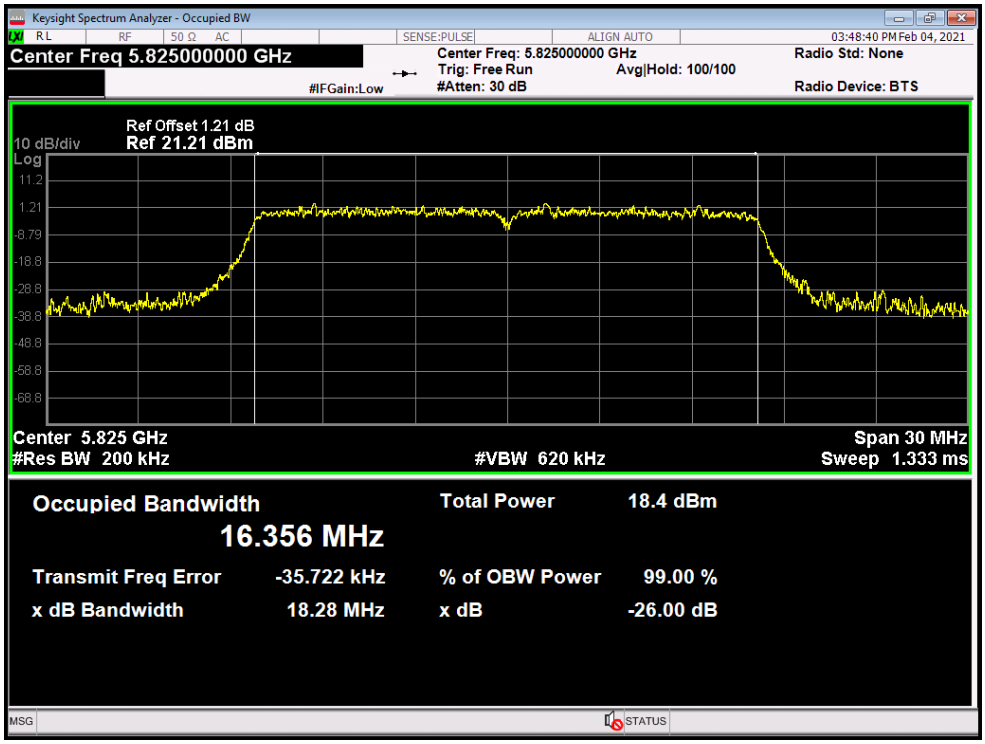
OBW NVNT a 5745MHz Ant1



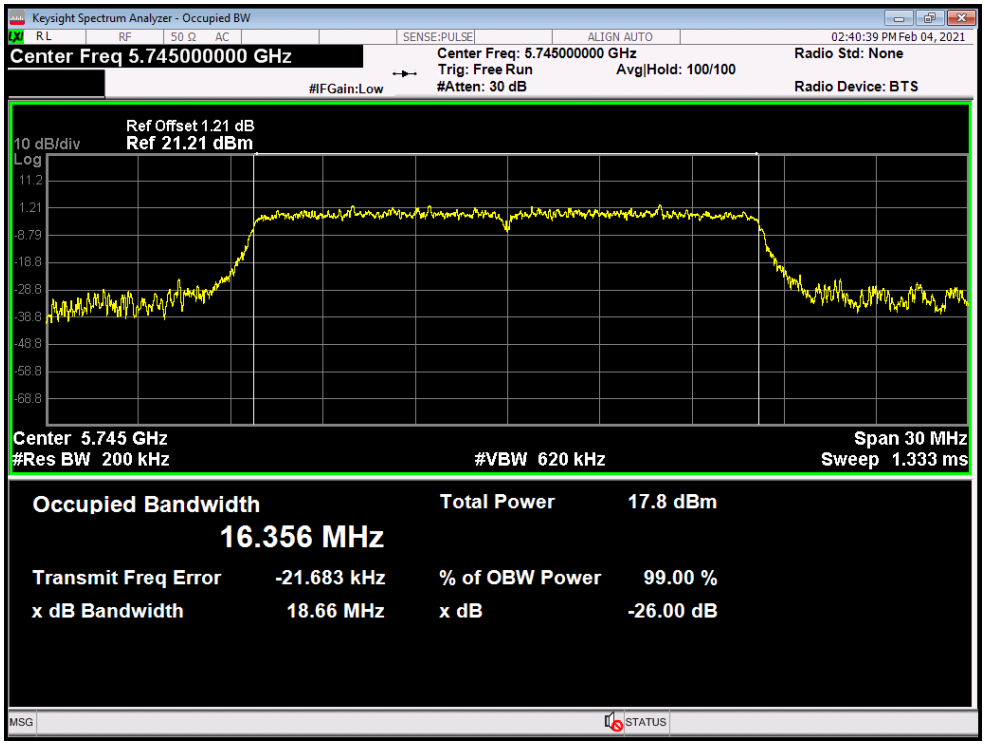
OBW NVNT a 5785MHz Ant1



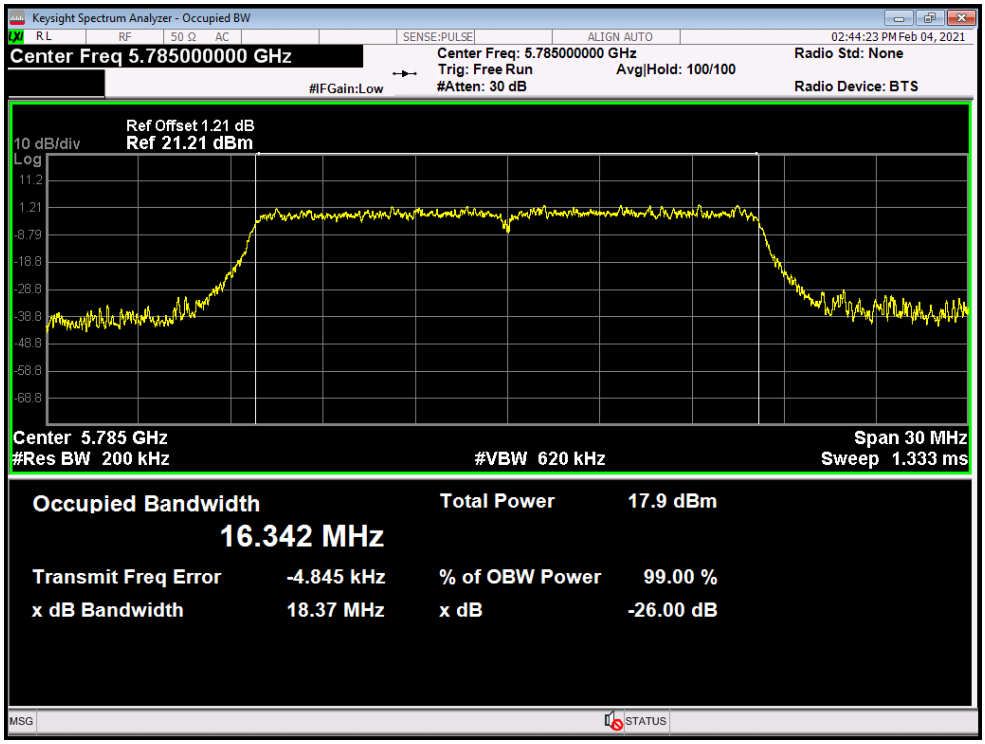
OBW NVNT a 5825MHz Ant1



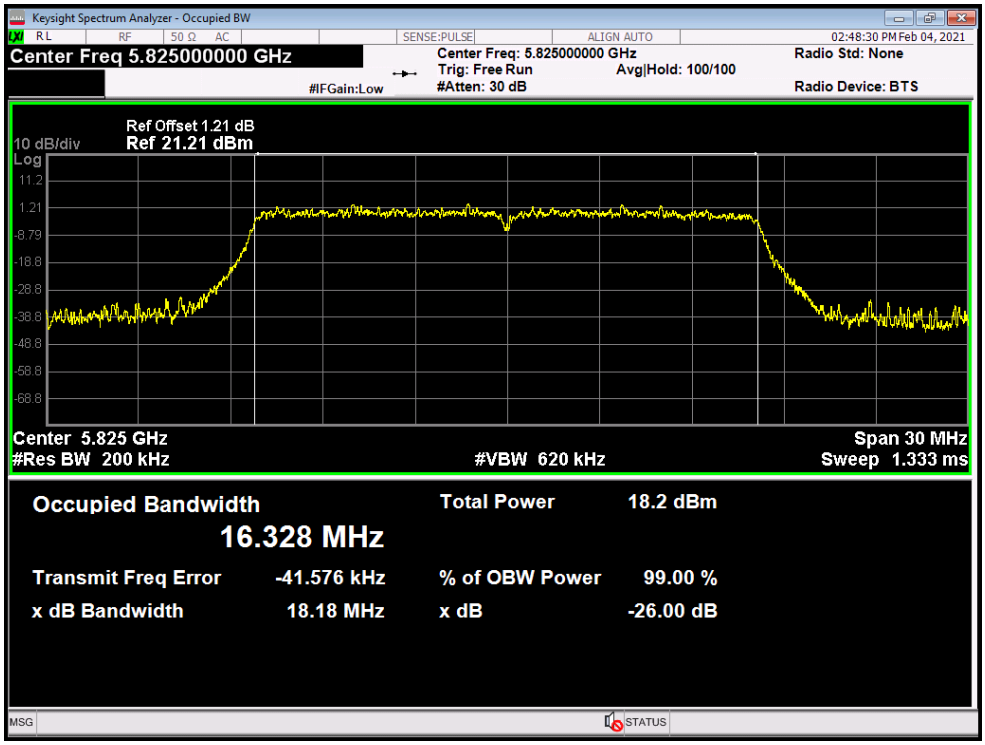
OBW NVNT a 5745MHz Ant2



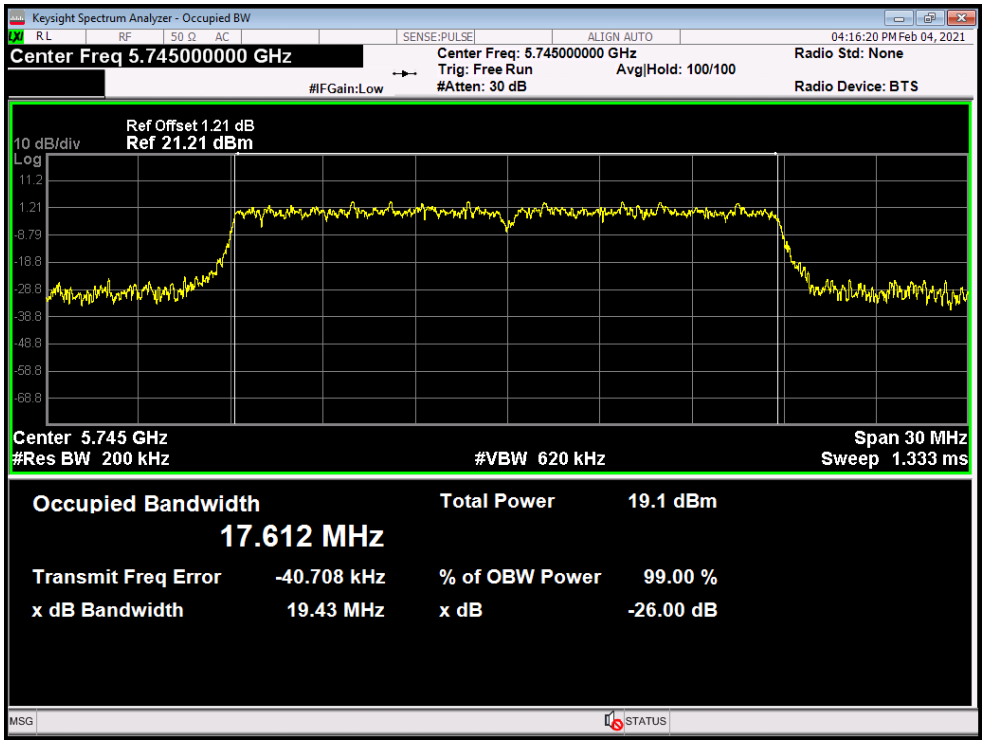
OBW NVNT a 5785MHz Ant2



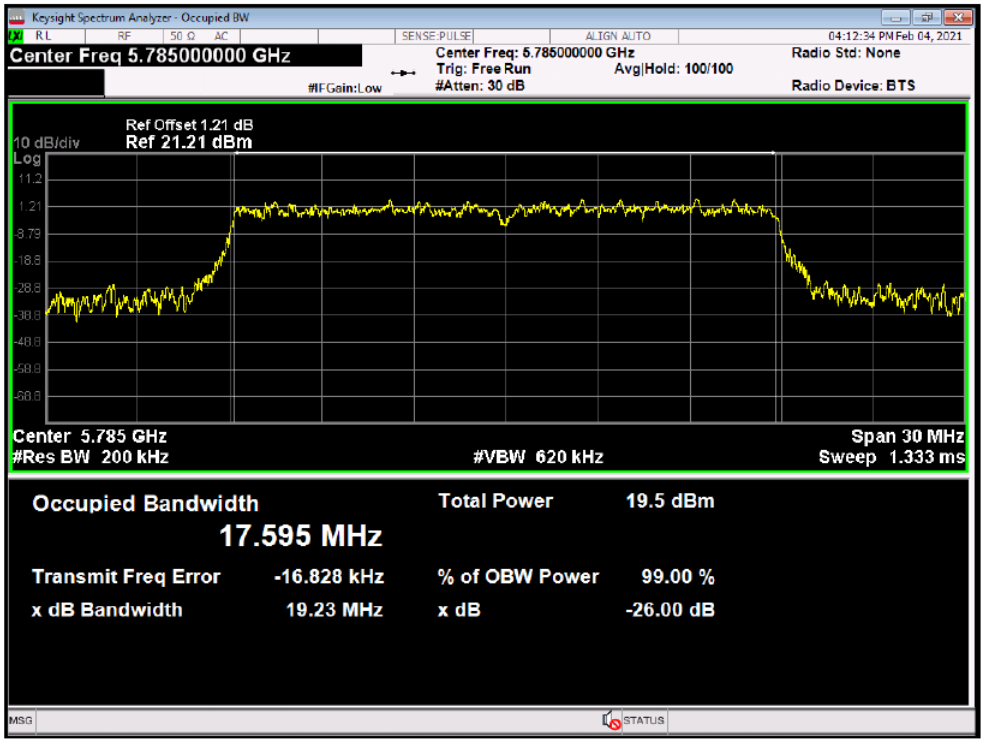
OBW NVNT a 5825MHz Ant2



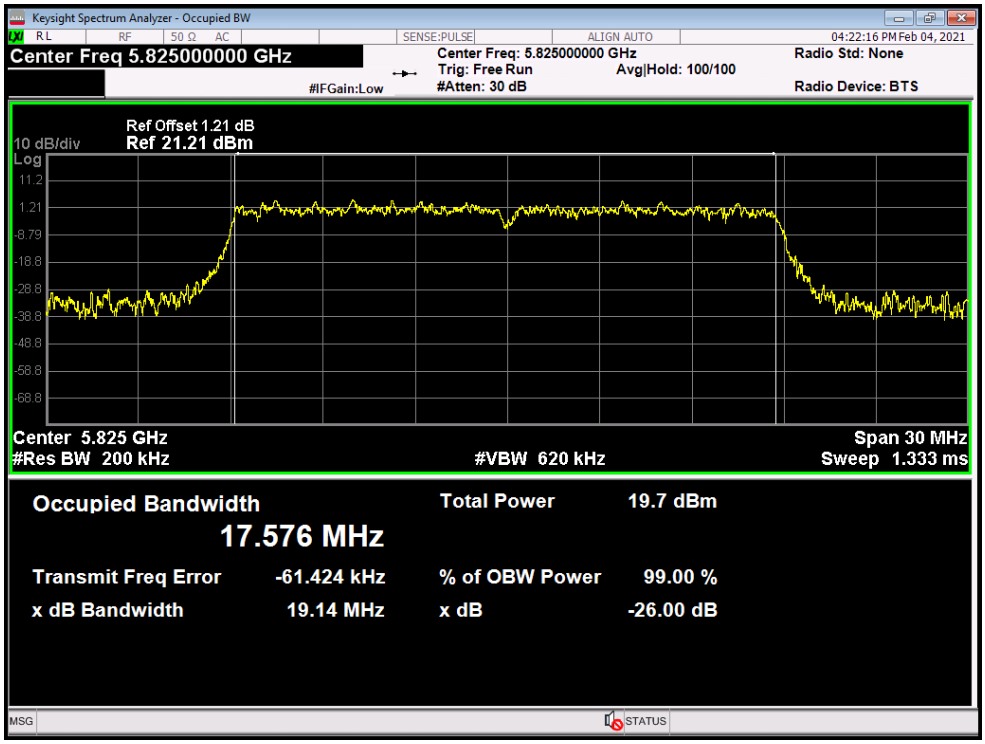
OBW NVNT ac20 5745MHz Ant1



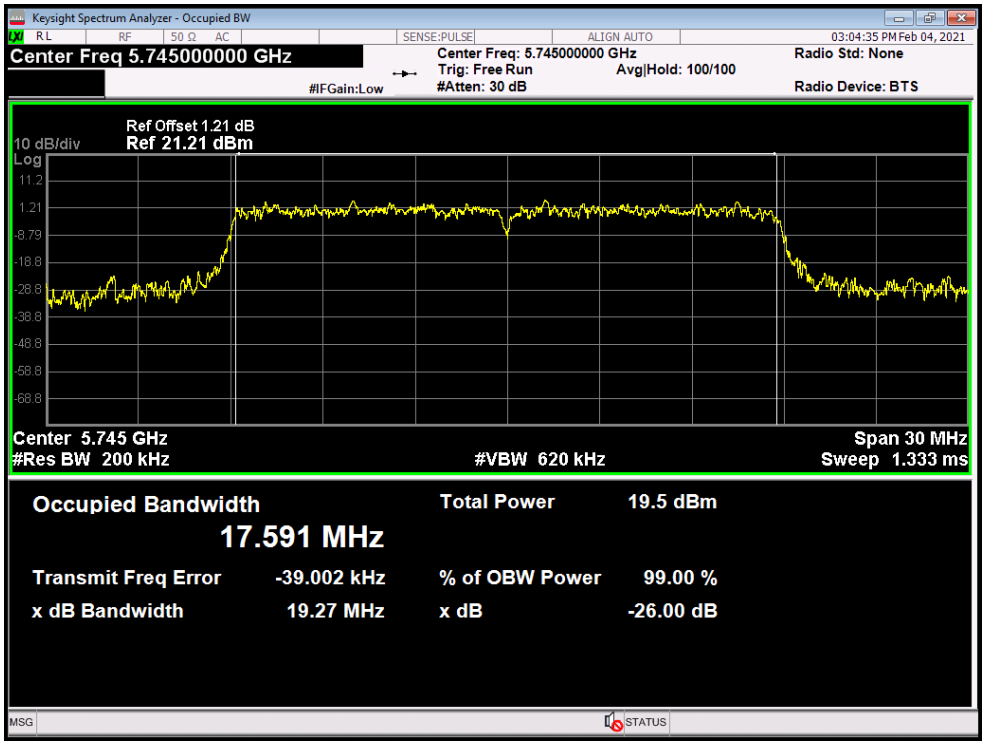
OBW NVNT ac20 5785MHz Ant1



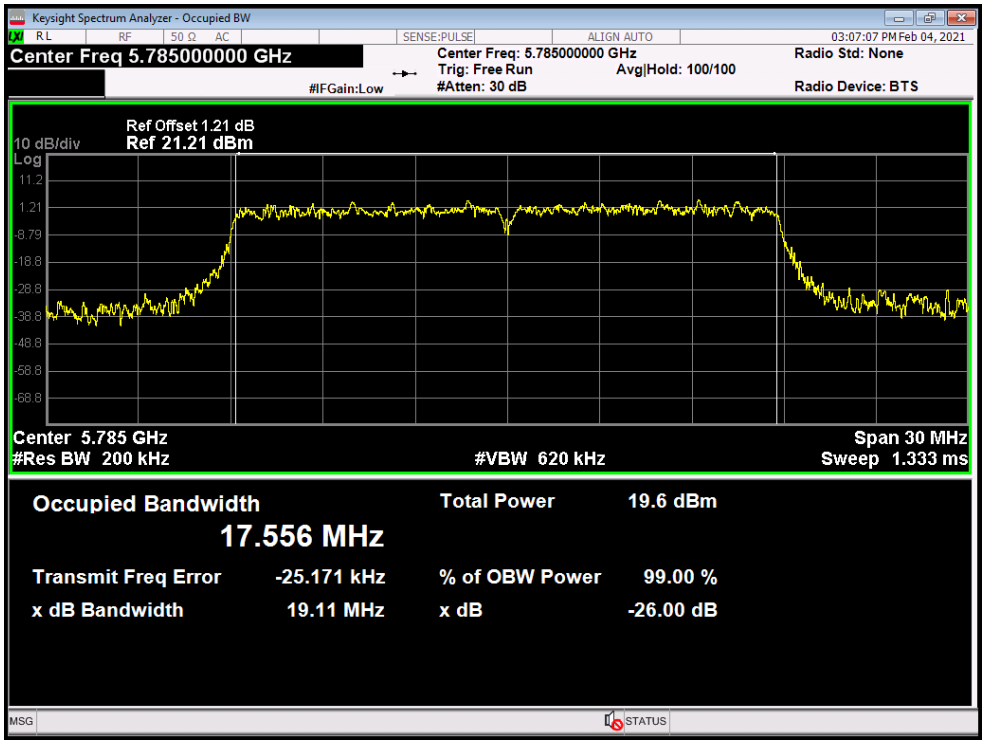
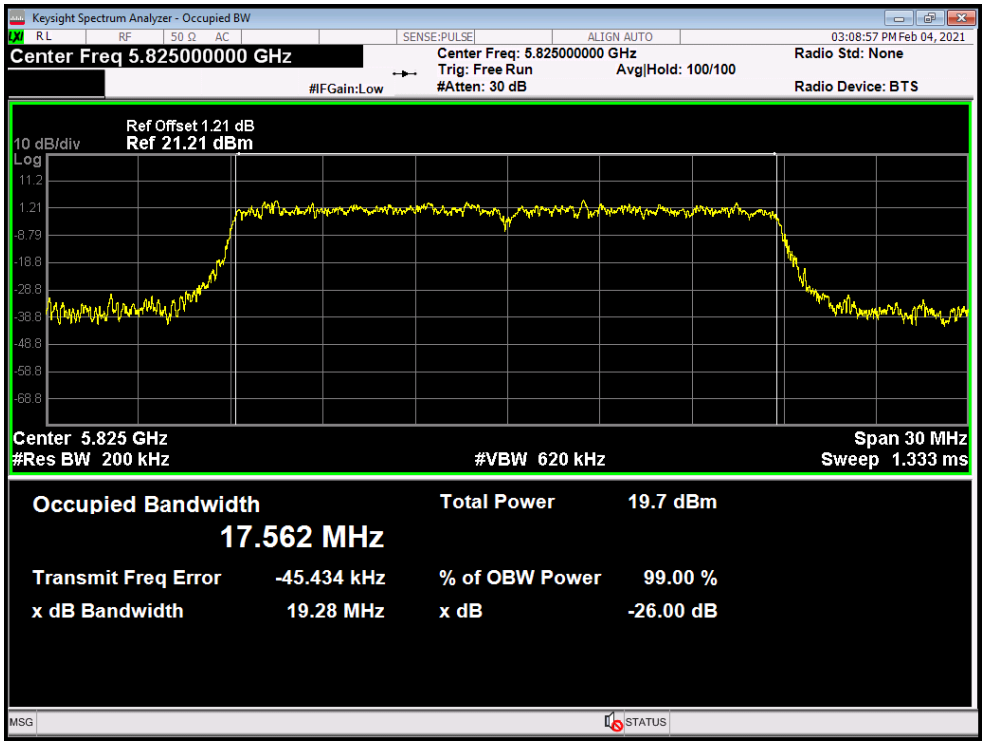
OBW NVNT ac20 5825MHz Ant1



OBW NVNT ac20 5745MHz Ant2



OBW NVNT ac20 5785MHz Ant2



OBW NVNT ac20 5825MHz Ant2